

Data File : VV012622.D
Acq On : 09 Sep 2019 13:37
Operator : SY/MD
Sample : VSTD0.5
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

Quant Time: Sep 10 08:56:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 10 08:53:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	416646	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	396177	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	178336	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	16903	0.70	ug/L	0.00
7) Chloroethane-d5	1.58	69	13444	0.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	25293	0.63	ug/L	0.00
20) 2-Butanone-d5	3.99	46	28107	4.75	ug/L	0.02
24) Chloroform-d	4.40	84	29387	0.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	13090	0.60	ug/L	0.00
32) Benzene-d6	5.09	84	53852	0.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	18029	0.67	ug/L	0.00
41) Toluene-d8	7.36	98	45130	0.57	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5275	0.57	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	14961	4.26	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11262	0.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	17796	0.68	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17202	0.565 ug/L	99
3) Chloromethane	1.25	50	16827	0.574 ug/L	97
5) Vinyl chloride	1.32	62	17580	0.574 ug/L	99
6) Bromomethane	1.53	94	10149	0.607 ug/L	93
8) Chloroethane	1.60	64	10838	0.596 ug/L	96
9) Trichlorofluoromethane	1.77	101	22825	0.587 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13642	0.585 ug/L	98
12) 1,1-Dichloroethene	2.14	96	12639	0.581 ug/L	95
13) Acetone	2.23	43	19846	6.127 ug/L	73
14) Carbon disulfide	2.32	76	34304	0.576 ug/L	96
15) Methyl Acetate	2.47	43	5384	0.610 ug/L	94
16) Methylene chloride	2.53	84	20611	0.880 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	29102	0.571 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	14246	0.573 ug/L	96
19) 1,1-Dichloroethane	3.23	63	26367	0.564 ug/L	98
21) 2-Butanone	4.07	43	27265	4.626 ug/L	90
22) cis-1,2-Dichloroethene	3.96	96	14646	0.551 ug/L	97
23) Bromochloromethane	4.30	128	6605	0.576 ug/L	92
25) Chloroform	4.42	83	36222	0.743 ug/L	99
27) 1,2-Dichloroethane	5.18	62	15202	0.560 ug/L	# 91
29) 1,1,1-Trichloroethane	4.66	97	21183	0.572 ug/L	98
30) Cyclohexane	4.72	56	19142	0.513 ug/L	98
31) Carbon tetrachloride	4.87	117	18560	0.567 ug/L	98
33) Benzene	5.14	78	55098	0.542 ug/L	100
34) Trichloroethene	5.96	95	16149	0.603 ug/L	96
35) Methylcyclohexane	6.17	83	19494	0.502 ug/L	93
37) 1,2-Dichloropropane	6.22	63	13355	0.530 ug/L	# 93
38) Bromodichloromethane	6.55	83	18847	0.601 ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	16859	0.519 ug/L	91
40) 4-Methyl-2-pentanone	7.28	43	64125	4.567 ug/L	96

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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	52136	0.481	ug/L	96
44) trans-1,3-Dichloropropene	7.70	75	12162	0.498	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	9692	0.560	ug/L	98
47) Tetrachloroethene	8.02	164	12036	0.564	ug/L	89
48) 2-Hexanone	8.19	43	43790	4.191	ug/L	93
49) Dibromochloromethane	8.29	129	11443	0.562	ug/L	97
50) 1,2-Dibromoethane	8.40	107	8164	0.536	ug/L #	93
51) Chlorobenzene	8.92	112	37077	0.543	ug/L	98
52) Ethylbenzene	9.05	91	55208	0.487	ug/L	96
53) m,p-xylene	9.18	106	19025	0.436	ug/L	96
54) o-xylene	9.59	106	18976	0.456	ug/L	92
55) Styrene	9.60	104	28488	0.394	ug/L	100
56) Isopropylbenzene	9.97	105	47941	0.433	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	9266	0.538	ug/L	92
59) 1,2,3-Trichloropropane	10.32	75	7739	0.534	ug/L #	86
61) Bromoform	9.77	173	5882	0.622	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	25417	0.536	ug/L	93
63) 1,4-Dichlorobenzene	11.32	146	27496	0.589	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	25187	0.580	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1289	0.589	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	19249	0.552	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	14310	0.532	ug/L	94
69) Naphthalene	13.55	128	19051	0.475	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	13545	0.515	ug/L	96

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

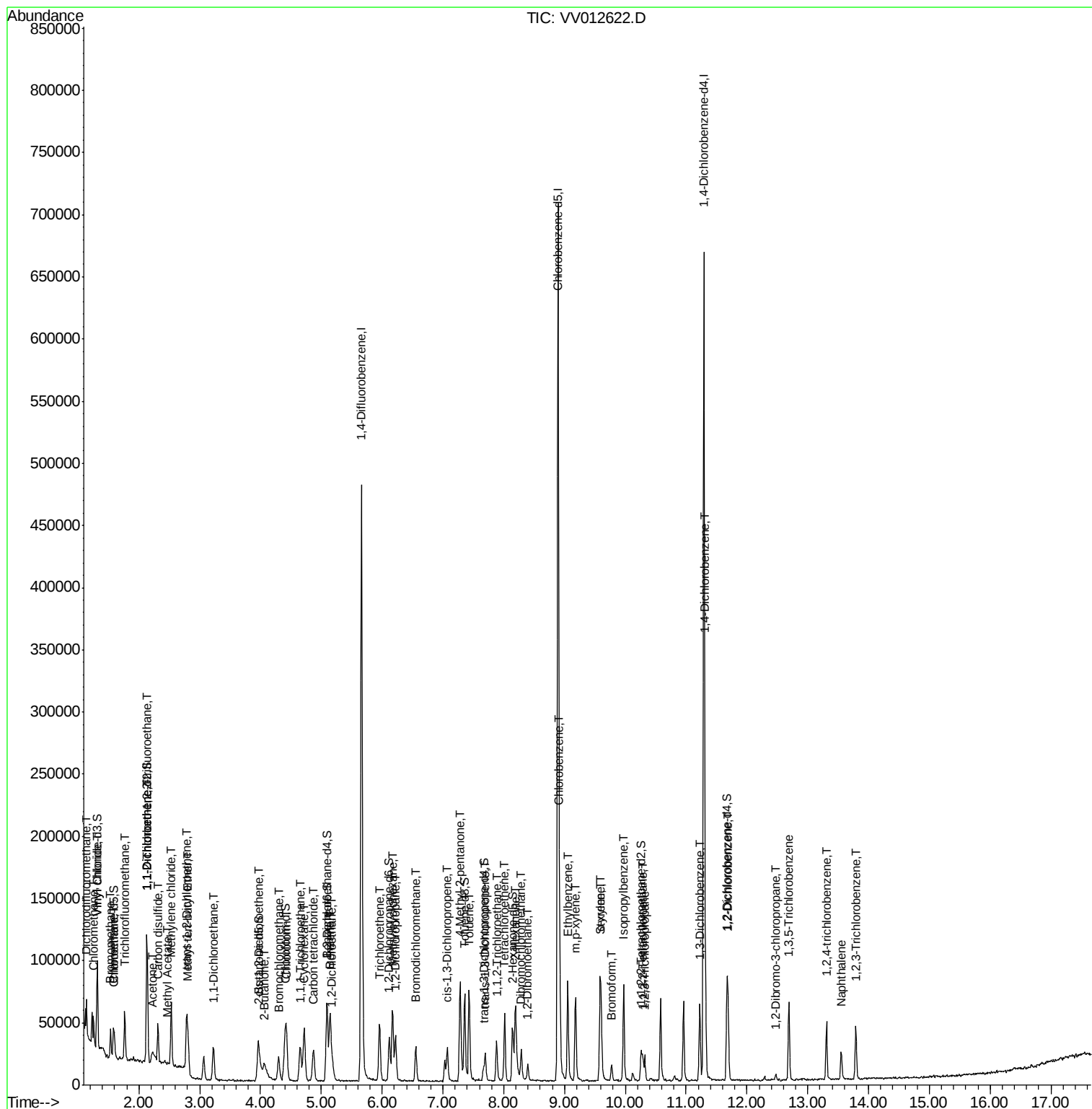
Quant Time: Sep 10 08:56:27 2019

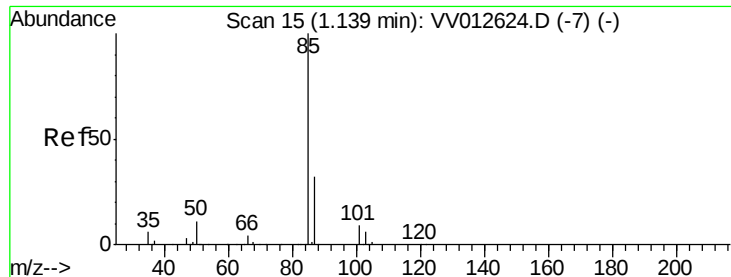
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR090919WMA.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.565 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

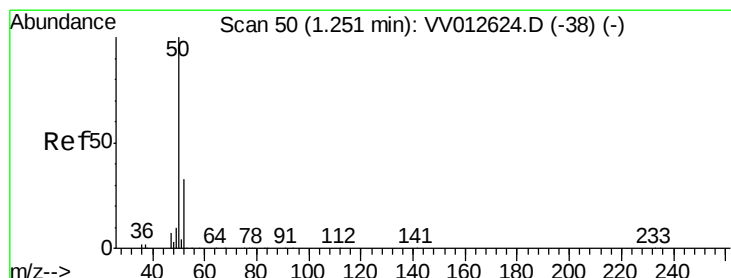
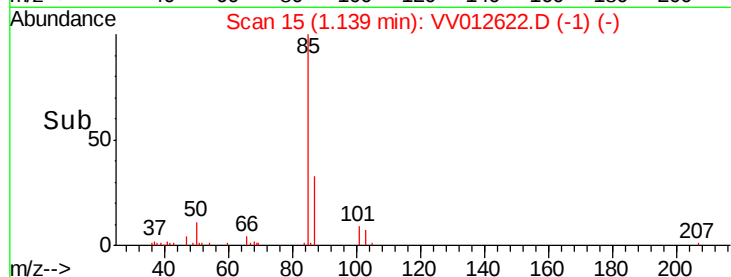
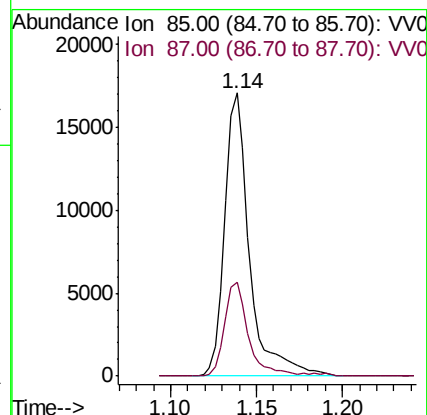
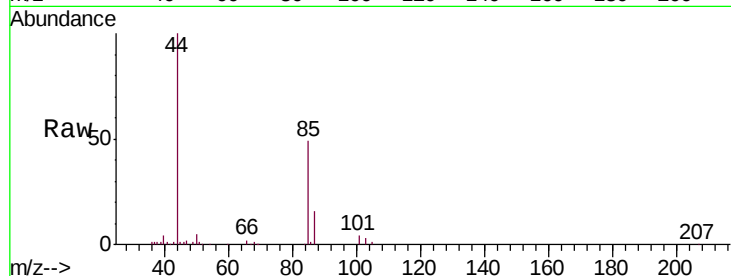
VSTD0.532

Tgt Ion: 85 Resp: 17202

Ion Ratio Lower Upper

85 100

87 32.0 25.8 38.8



#3

Chloromethane

Concen: 0.574 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012622.D

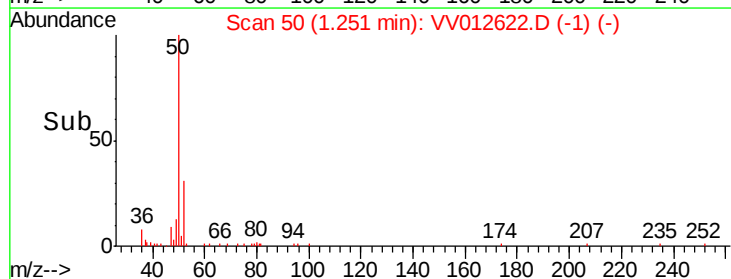
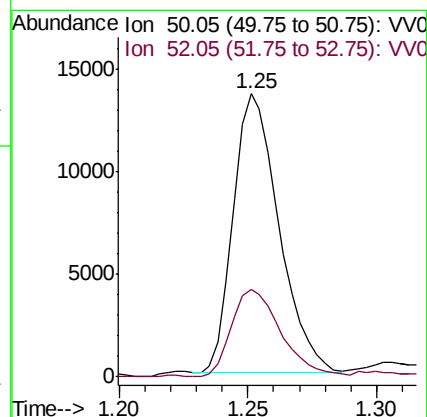
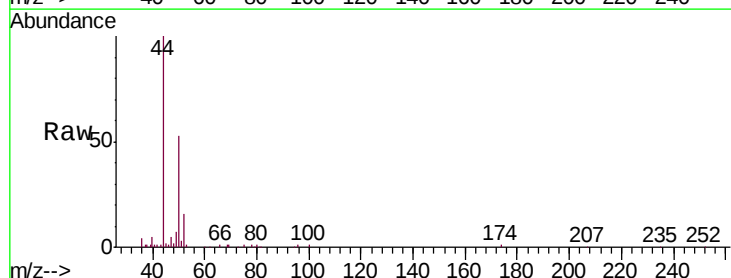
Acq: 09 Sep 2019 13:37

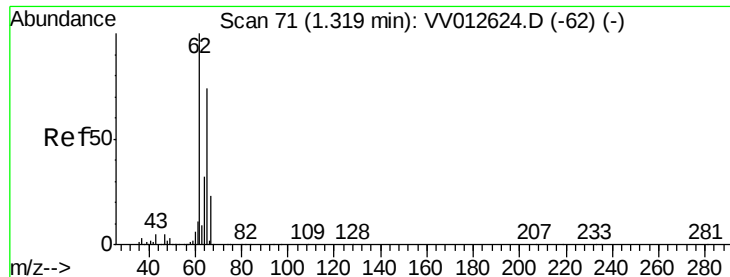
Tgt Ion: 50 Resp: 16827

Ion Ratio Lower Upper

50 100

52 31.1 22.9 42.5





#5

Vinyl chloride

Concen: 0.574 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

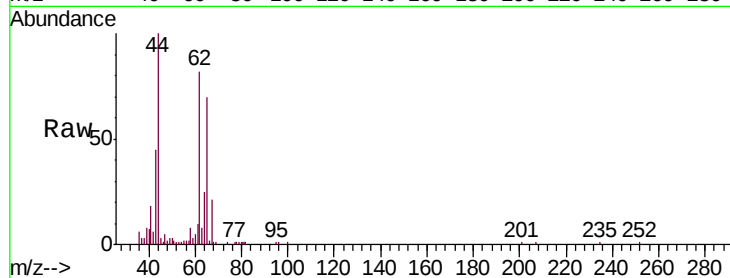
VSTD0.532

Tgt Ion: 62 Resp: 17580

Ion Ratio Lower Upper

62 100

64 30.9 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

20000

15000

10000

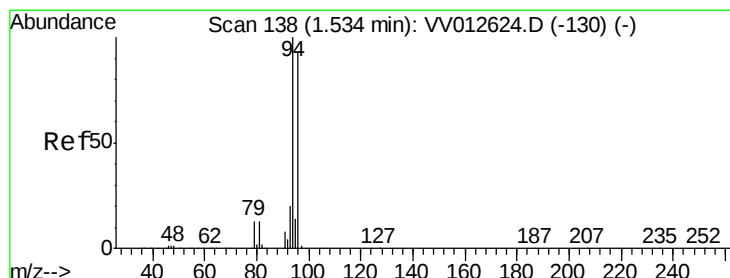
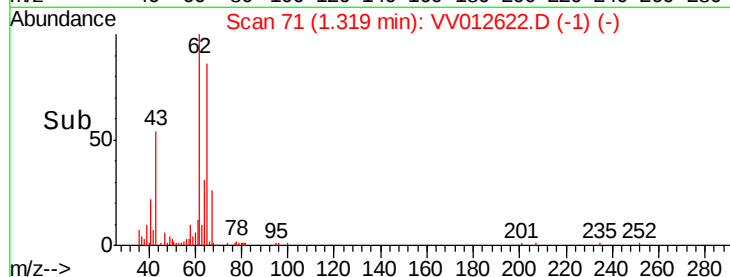
5000

0

Time-->

1.25 1.30 1.35 1.40

1.32



#6

Bromomethane

Concen: 0.607 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012622.D

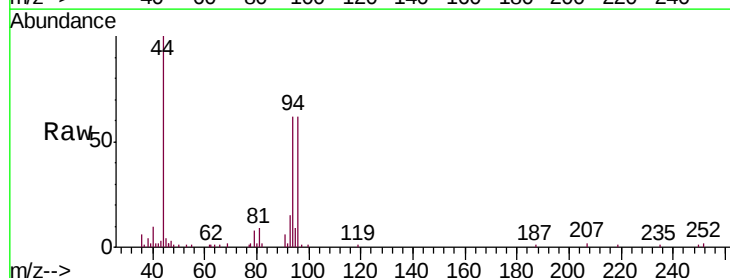
Acq: 09 Sep 2019 13:37

Tgt Ion: 94 Resp: 10149

Ion Ratio Lower Upper

94 100

96 99.4 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

10000

8000

6000

4000

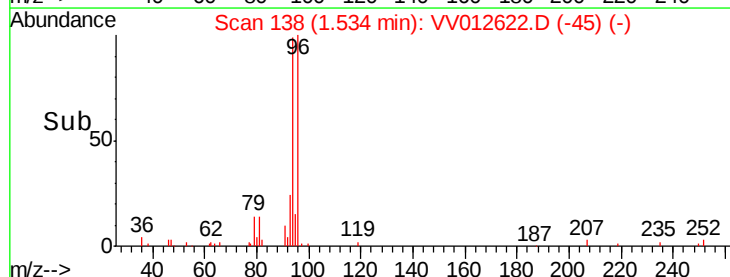
2000

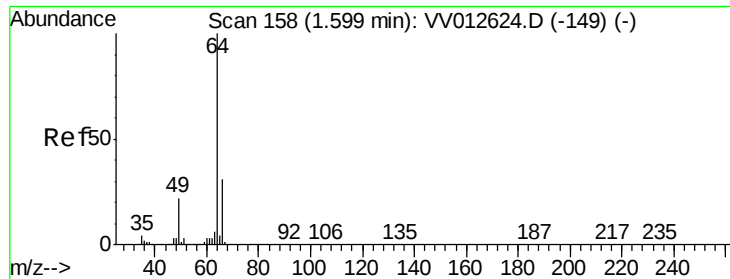
0

Time-->

1.50 1.55 1.60

1.53





#8

Chloroethane

Concen: 0.596 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

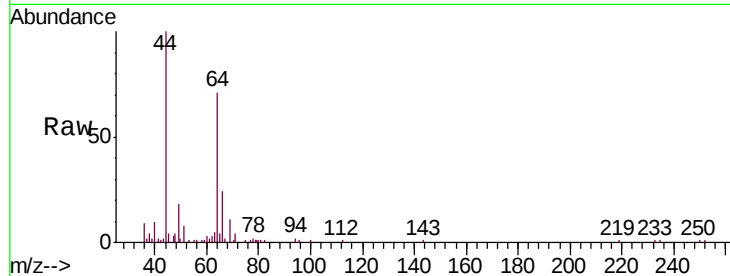
VSTD0.532

Tgt Ion: 64 Resp: 10838

Ion Ratio Lower Upper

64 100

66 33.1 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VV012622.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012622.D (-149) (-)

1.60

10000

8000

6000

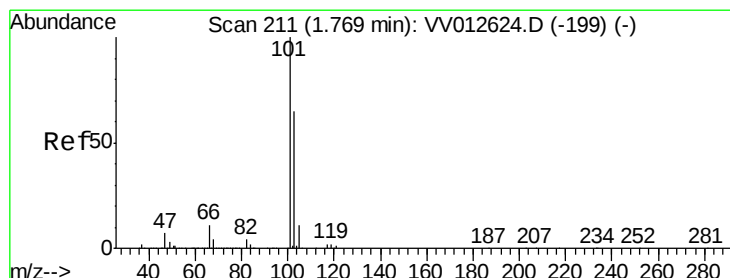
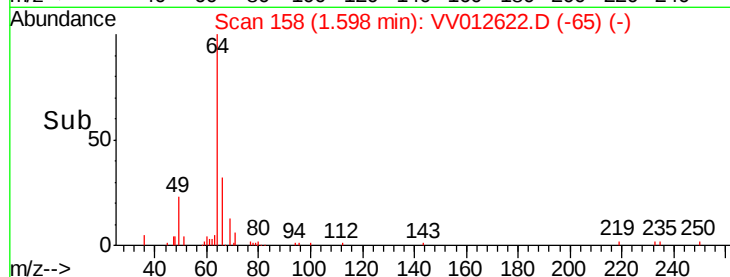
4000

2000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.587 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012622.D

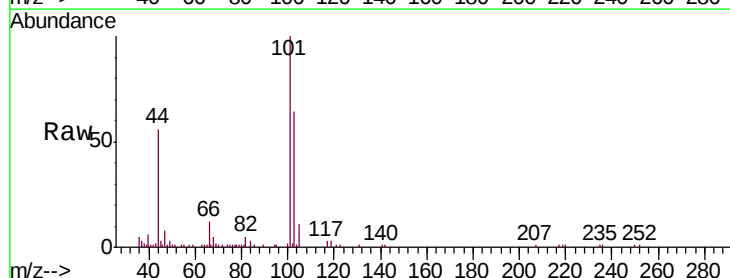
Acq: 09 Sep 2019 13:37

Tgt Ion: 101 Resp: 22825

Ion Ratio Lower Upper

101 100

103 64.6 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VV012622.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012622.D (-199) (-)

1.77

20000

15000

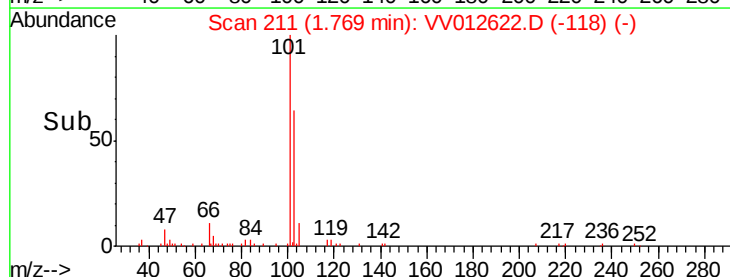
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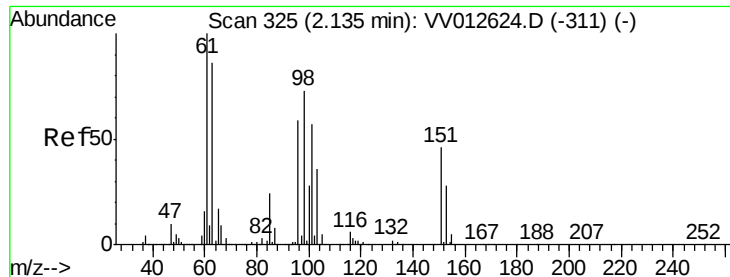
5000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 0.585 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

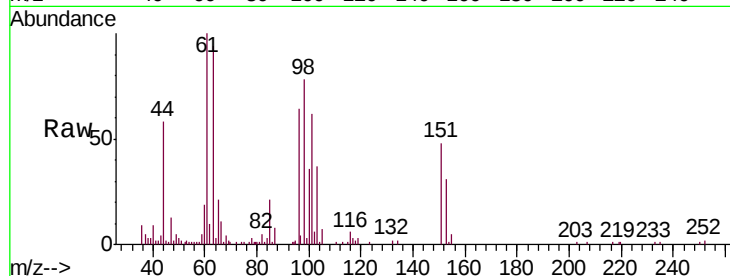
Tgt Ion:101 Resp: 13642

Ion Ratio Lower Upper

101 100

85 40.0 33.0 49.6

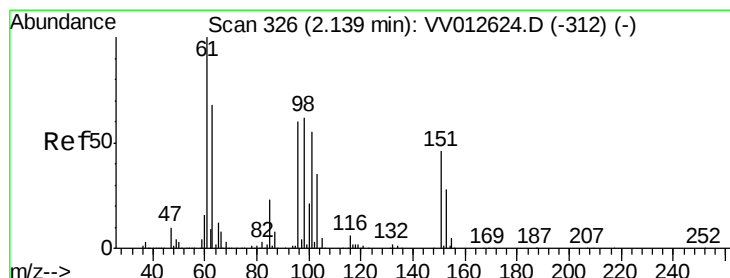
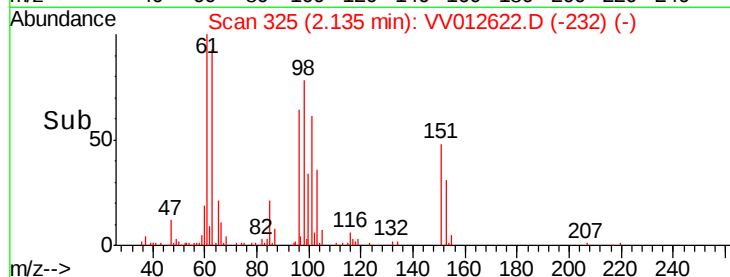
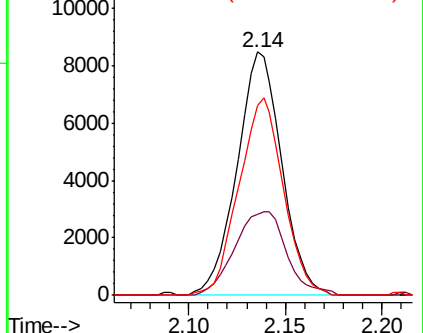
151 80.8 65.8 98.8



Abundance Ion 101.00 (100.70 to 101.70): VV012622.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV012622.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV012622.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 0.581 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

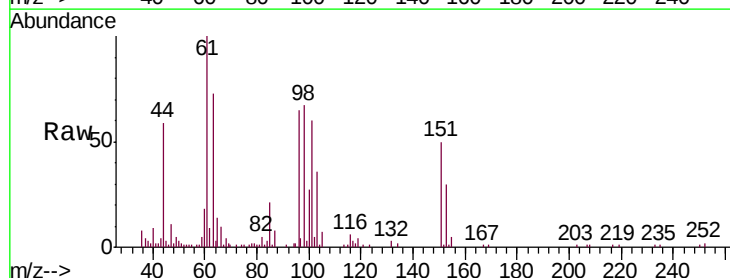
Tgt Ion: 96 Resp: 12639

Ion Ratio Lower Upper

96 100

61 154.4 115.8 215.0

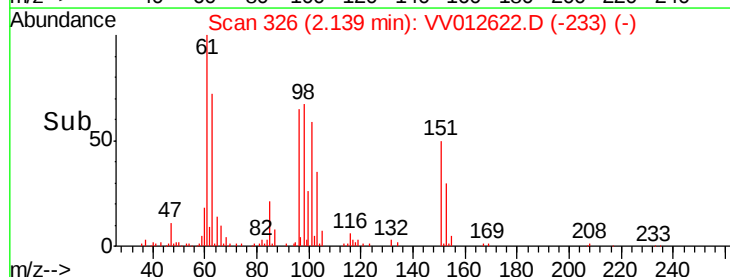
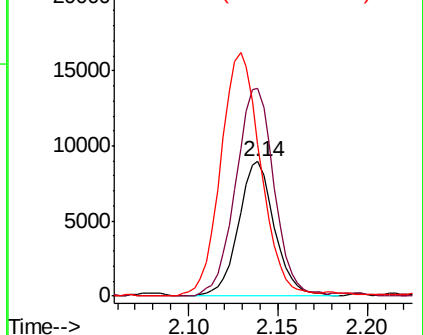
63 112.3 79.4 147.4

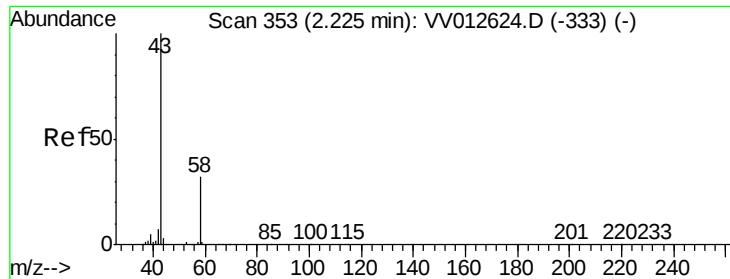


Abundance Ion 96.00 (95.70 to 96.70): VV012622.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV012622.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV012622.D (-312) (-)





#13

Acetone

Concen: 6.127 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

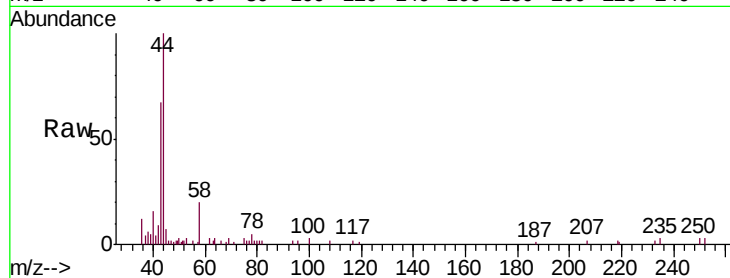
VSTD0.532

Tgt Ion: 43 Resp: 19846

Ion Ratio Lower Upper

43 100

58 18.6 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

6000

5000

4000

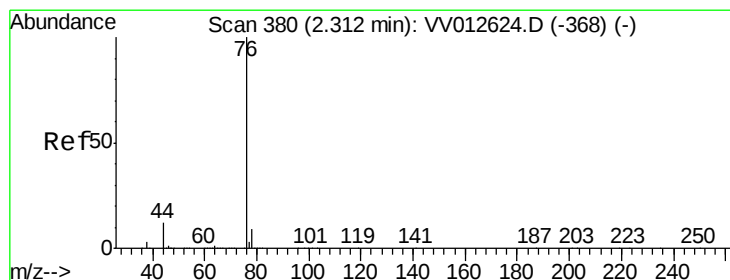
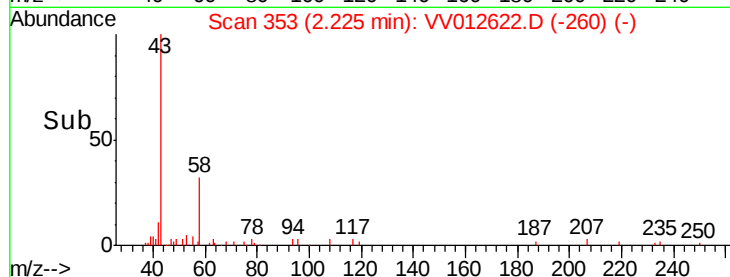
3000

2000

1000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 0.576 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012622.D

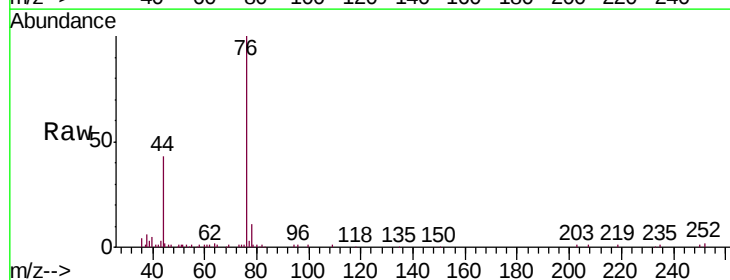
Acq: 09 Sep 2019 13:37

Tgt Ion: 76 Resp: 34304

Ion Ratio Lower Upper

76 100

78 10.8 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

25000

20000

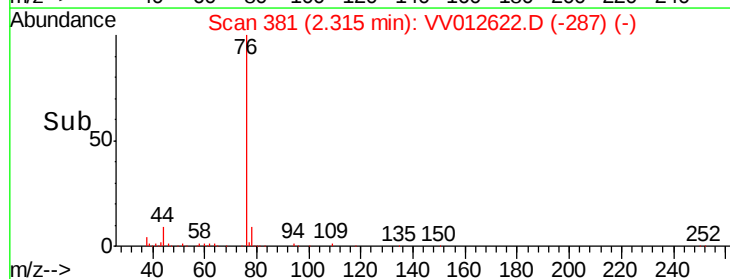
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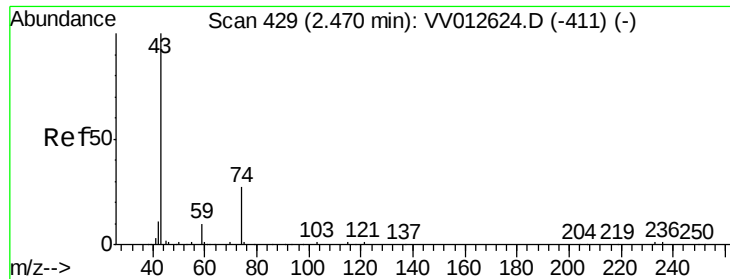
10000

5000

0

Time--> 2.25 2.30 2.35





#15

Methyl Acetate

Concen: 0.610 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampled :

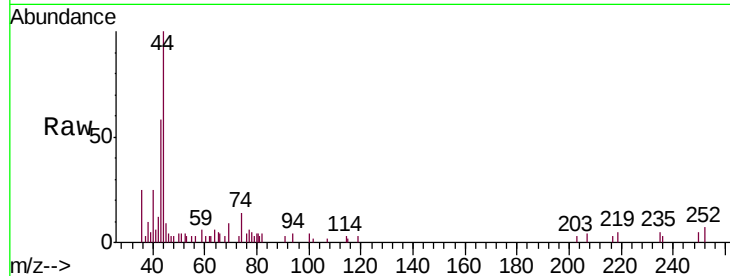
VSTD0.532

Tgt Ion: 43 Resp: 5384

Ion Ratio Lower Upper

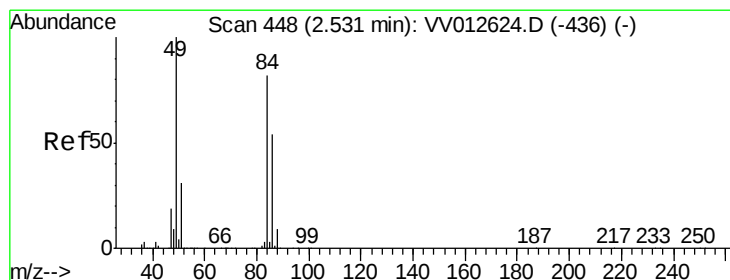
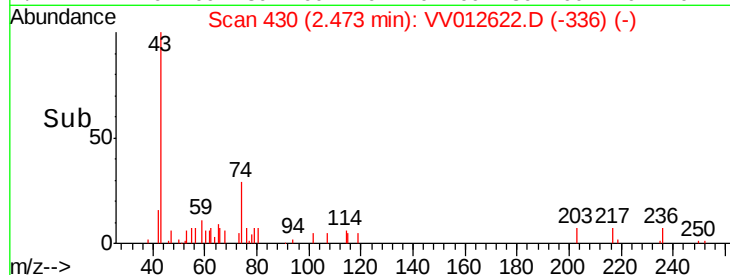
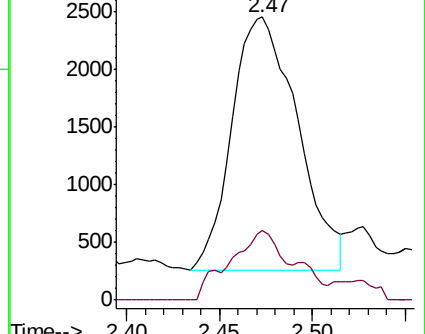
43 100

74 21.8 19.8 29.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.880 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

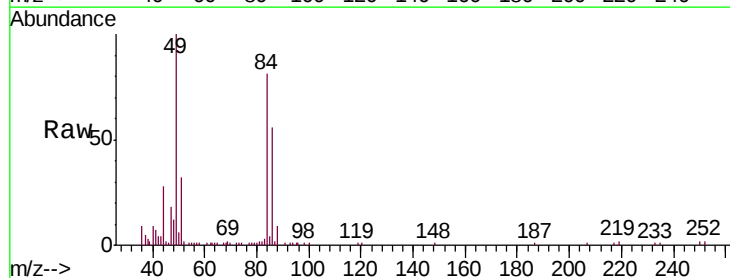
Tgt Ion: 84 Resp: 20611

Ion Ratio Lower Upper

84 100

86 68.9 46.1 85.7

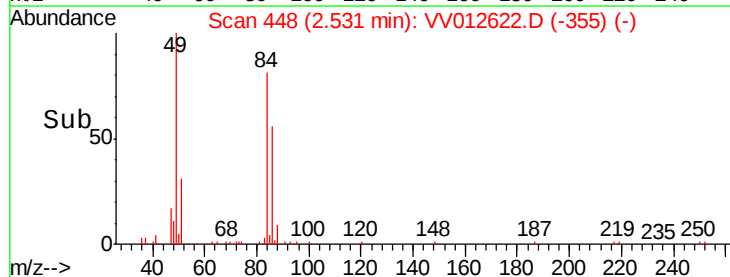
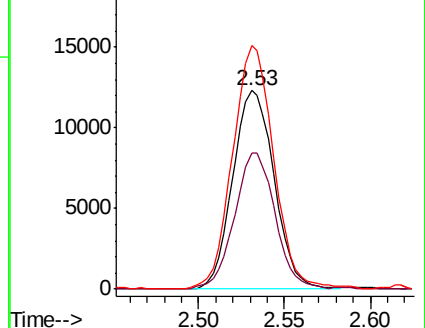
49 122.7 85.3 158.3

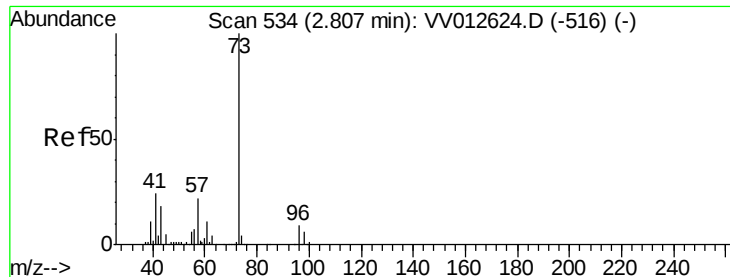


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 0.571 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

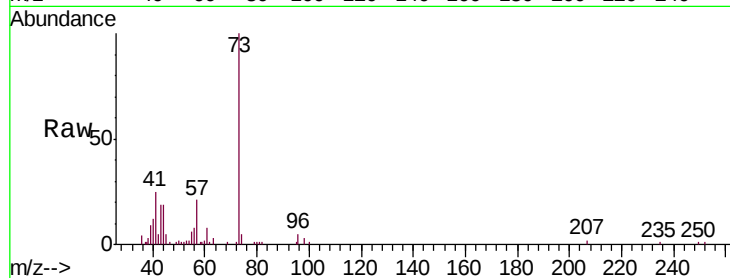
Tgt Ion: 73 Resp: 29102

Ion Ratio Lower Upper

73 100

43 18.2 14.6 21.8

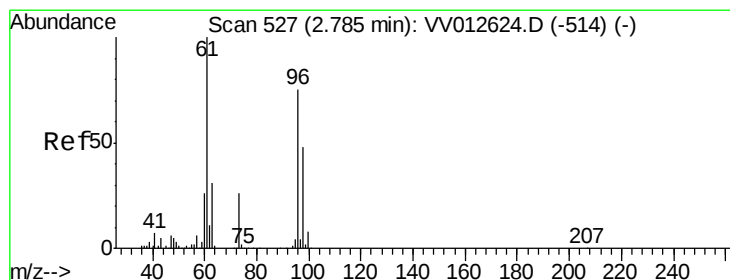
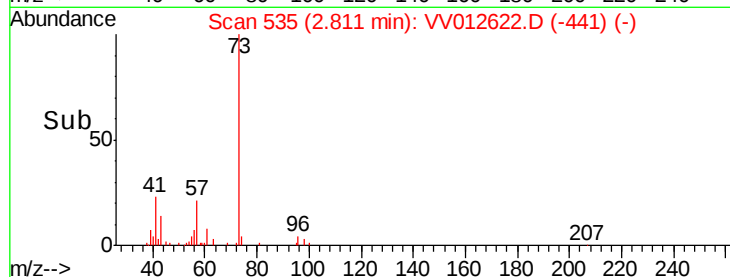
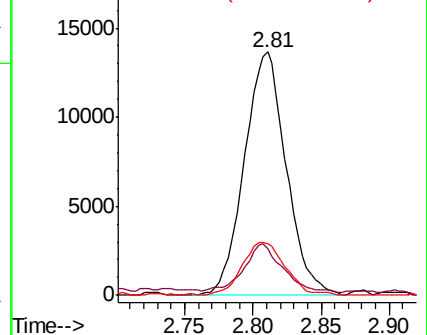
57 22.7 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 0.573 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

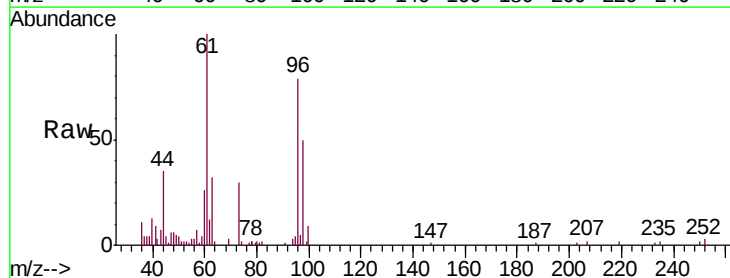
Tgt Ion: 96 Resp: 14246

Ion Ratio Lower Upper

96 100

61 126.4 93.0 172.8

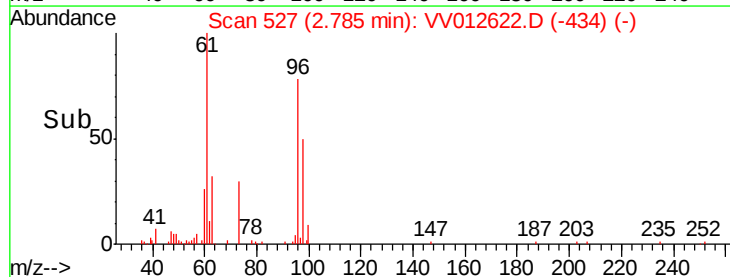
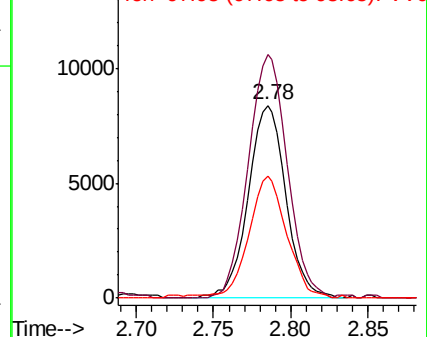
98 63.6 44.7 83.1

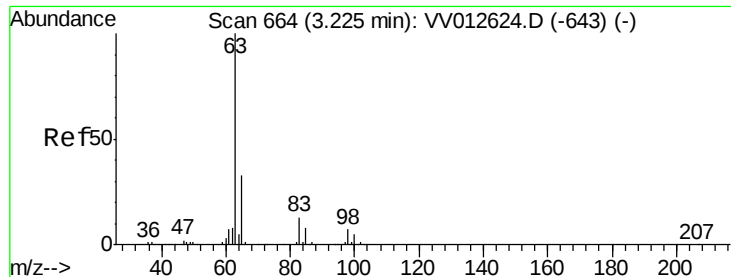


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 0.564 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

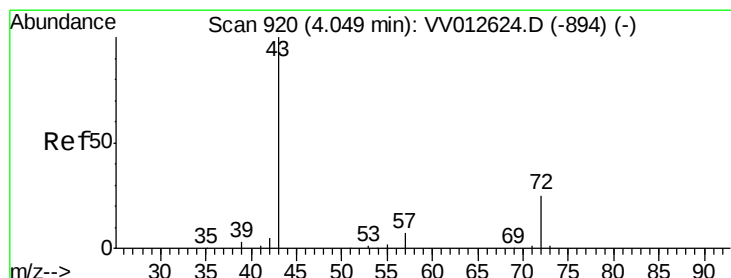
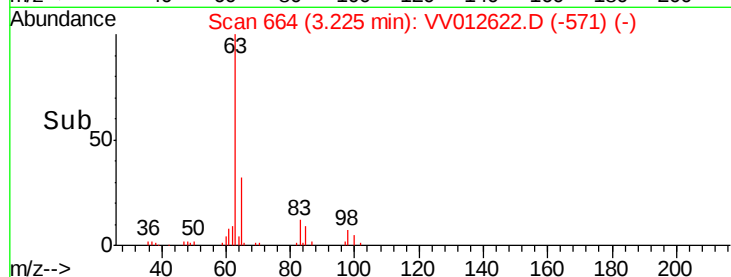
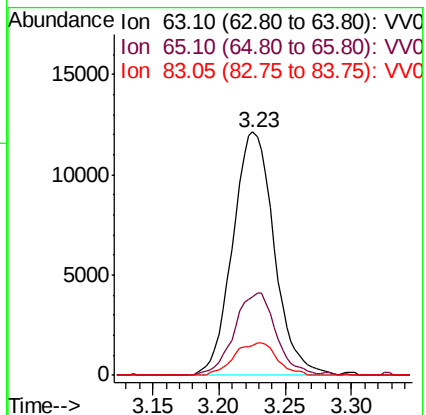
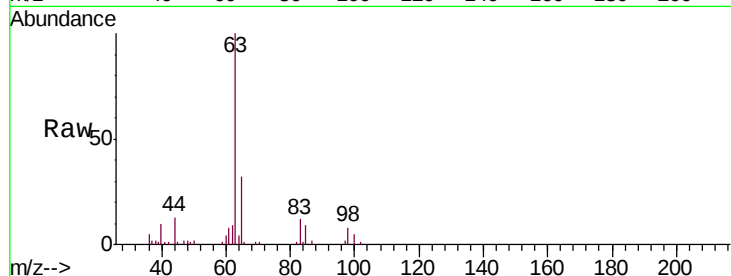
Tgt Ion: 63 Resp: 26367

Ion Ratio Lower Upper

63 100

65 33.6 22.7 42.3

83 12.5 9.1 16.9



#21

2-Butanone

Concen: 4.626 ug/L

RT: 4.07 min Scan# 928

Delta R.T. 0.03 min

Lab File: VV012622.D

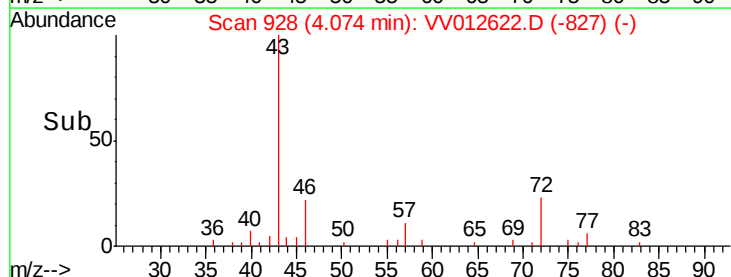
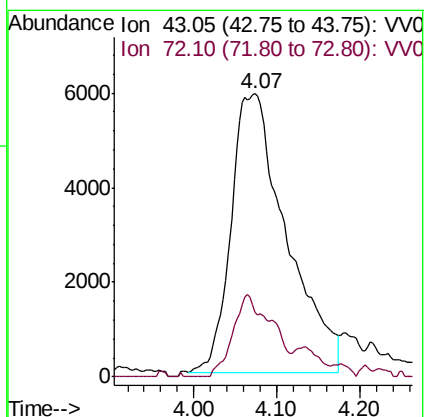
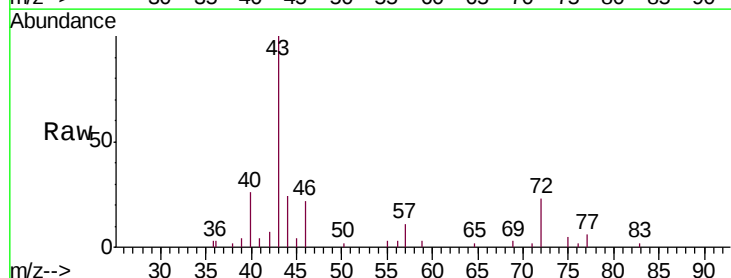
Acq: 09 Sep 2019 13:37

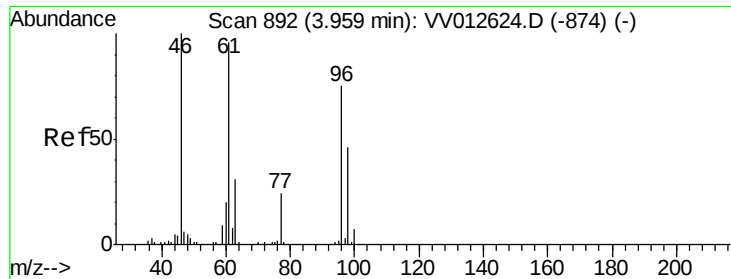
Tgt Ion: 43 Resp: 27265

Ion Ratio Lower Upper

43 100

72 21.0 13.0 38.9



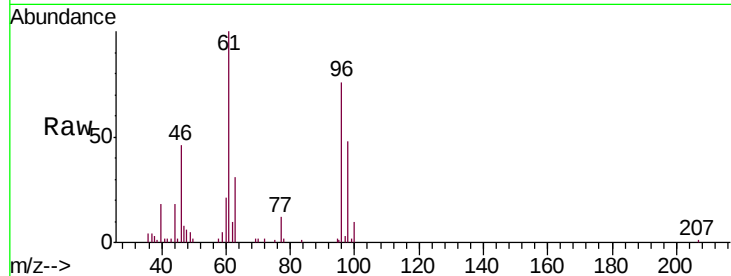


#22

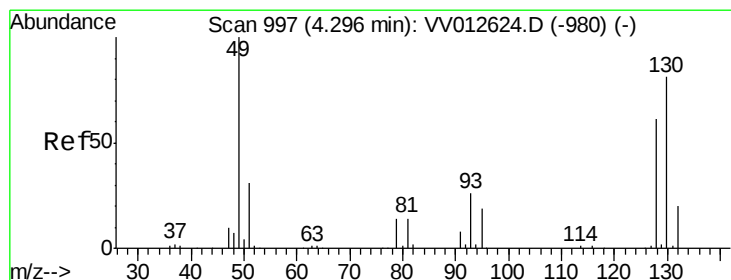
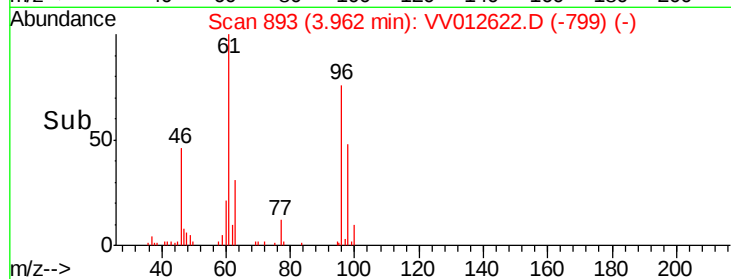
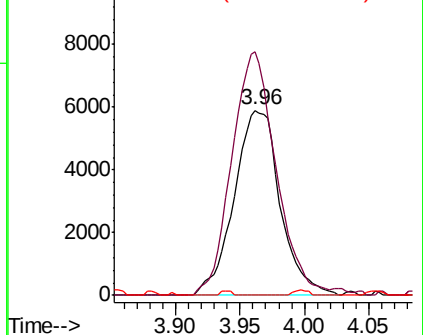
cis-1,2-Dichloroethene
 Concen: 0.551 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.532

Tgt Ion: 96 Resp: 14646
 Ion Ratio Lower Upper
 96 100
 61 131.4 89.7 166.5
 68 0.0 0.0 0.0



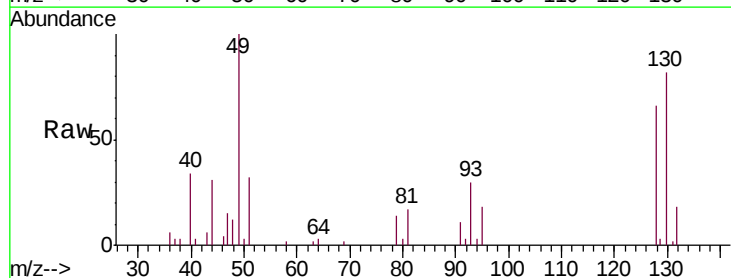
Abundance Ion 96.00 (95.70 to 96.70): VV012622.D (-874) (-)
 Ion 61.05 (60.75 to 61.75): VV012622.D (-874) (-)
 Ion 68.15 (67.85 to 68.85): VV012622.D (-874) (-)



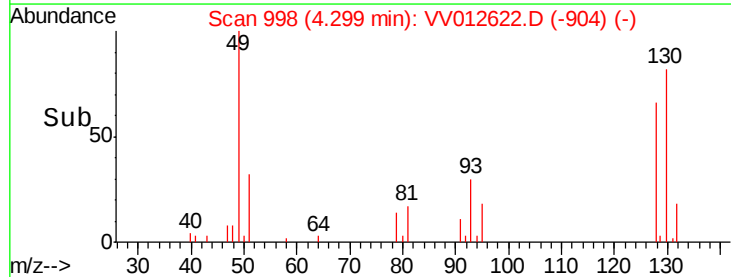
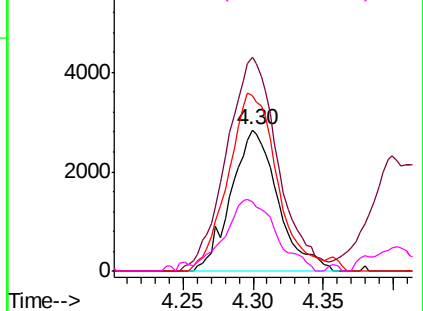
#23

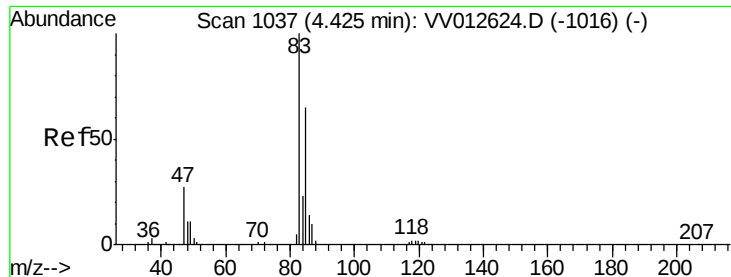
Bromochloromethane
 Concen: 0.576 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Tgt Ion: 128 Resp: 6605
 Ion Ratio Lower Upper
 128 100
 49 151.0 115.2 214.0
 130 124.3 92.9 172.5
 51 48.7 40.8 61.2



Abundance Ion 127.90 (127.60 to 128.60): VV012622.D (-980) (-)
 Ion 49.10 (48.80 to 49.80): VV012622.D (-980) (-)
 Ion 129.95 (129.65 to 130.65): VV012622.D (-980) (-)
 Ion 51.05 (50.75 to 51.75): VV012622.D (-980) (-)

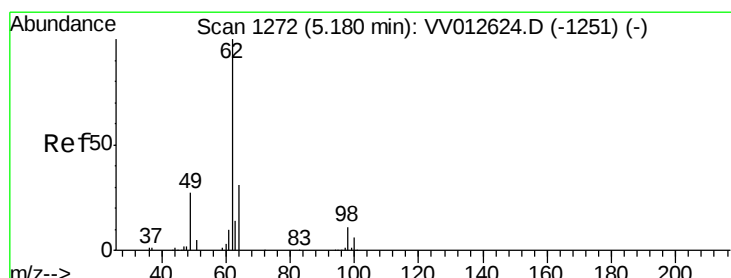
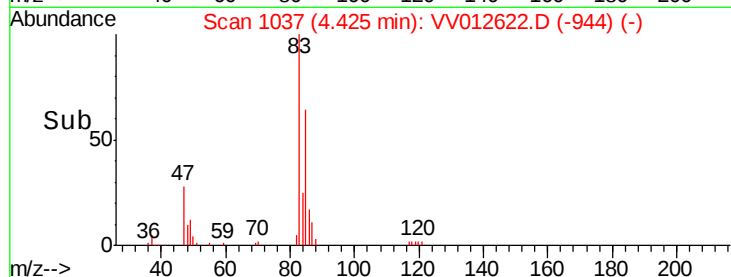
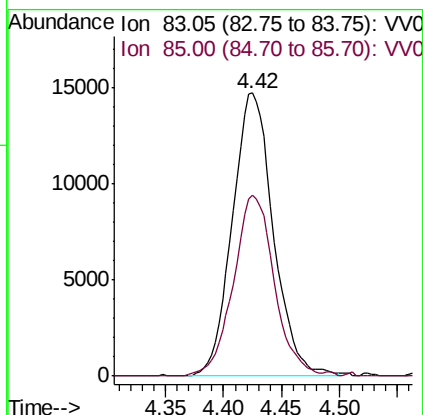
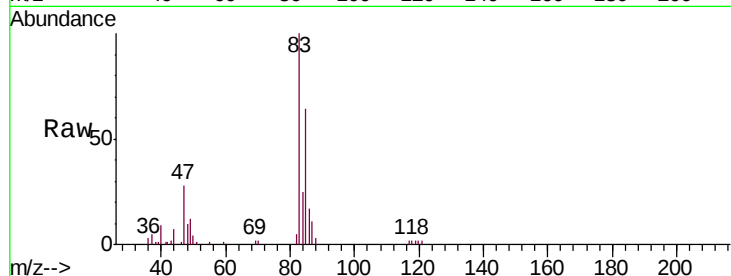




#25
Chloroform
Concen: 0.743 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012622.D
Acq: 09 Sep 2019 13:37

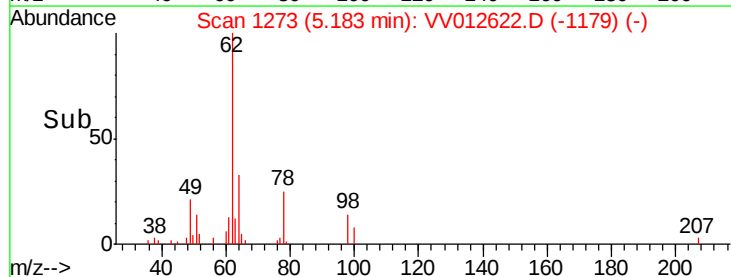
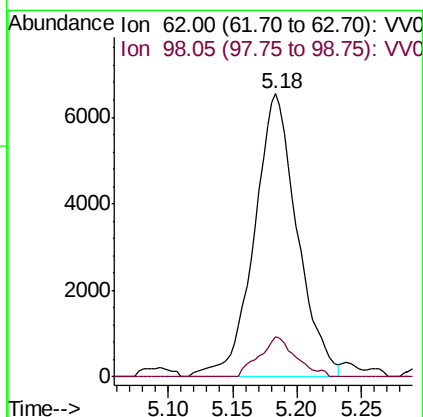
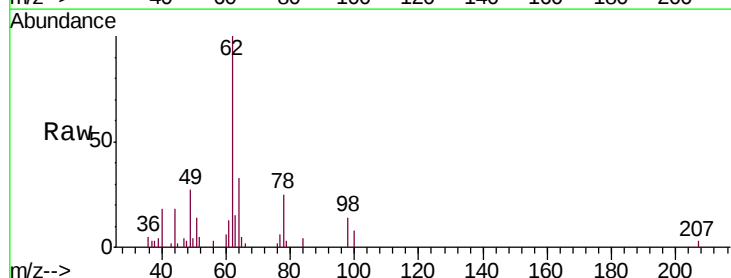
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

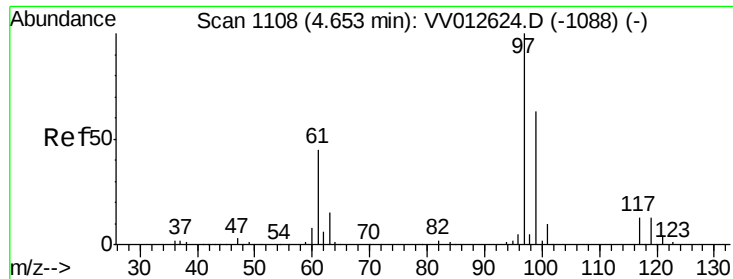
Tgt Ion: 83 Resp: 36222
Ion Ratio Lower Upper
83 100
85 64.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 0.560 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012622.D
Acq: 09 Sep 2019 13:37

Tgt Ion: 62 Resp: 15202
Ion Ratio Lower Upper
62 100
98 14.0 8.4 12.6#

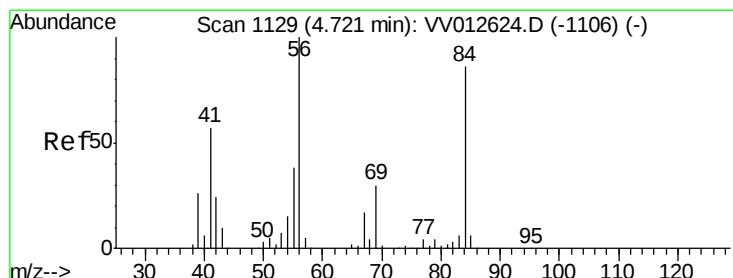
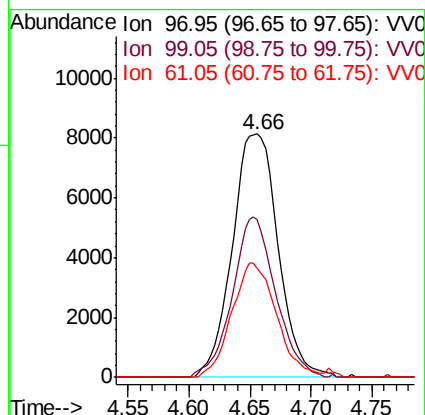
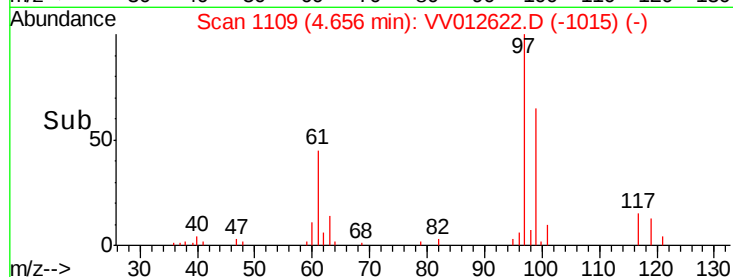
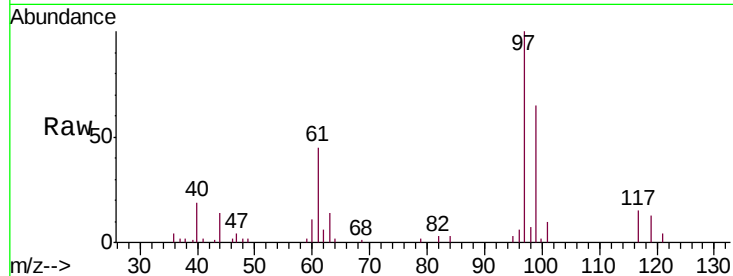




#29
 1,1,1-Trichloroethane
 Concen: 0.572 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

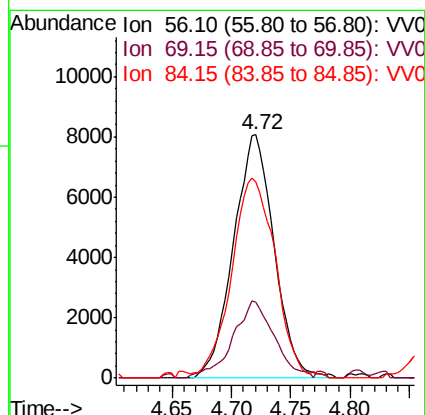
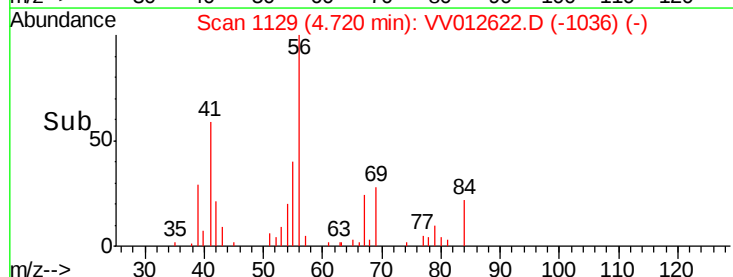
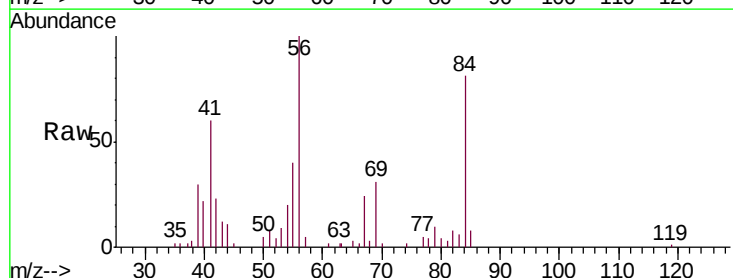
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

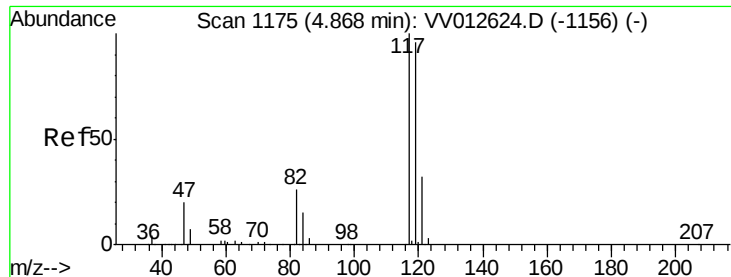
Tgt Ion: 97 Resp: 21183
 Ion Ratio Lower Upper
 97 100
 99 62.1 51.6 77.4
 61 45.9 37.5 56.3



#30
 Cyclohexane
 Concen: 0.513 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Tgt Ion: 56 Resp: 19142
 Ion Ratio Lower Upper
 56 100
 69 32.2 23.8 35.8
 84 88.4 70.1 105.1

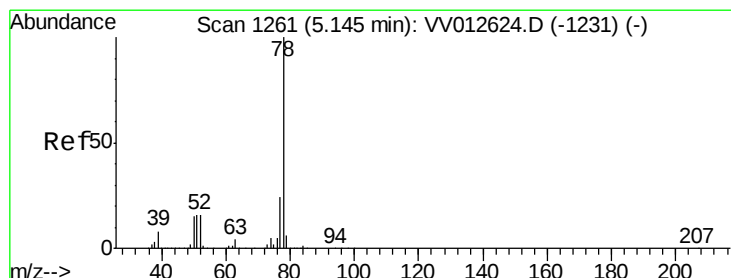
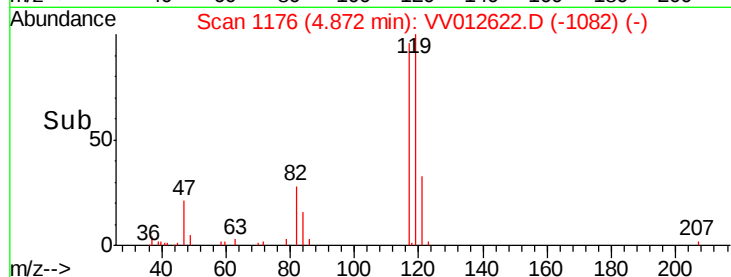
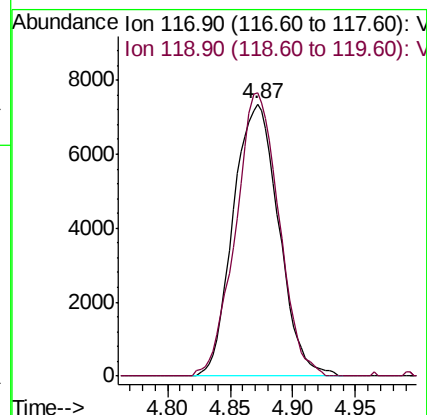
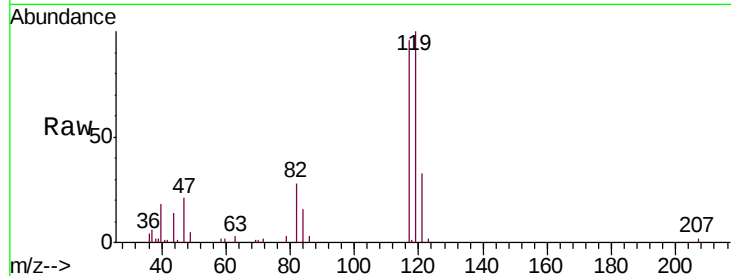




#31
Carbon tetrachloride
Concen: 0.567 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012622.D
Acq: 09 Sep 2019 13:37

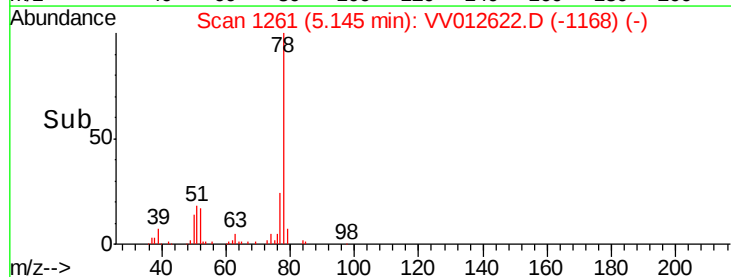
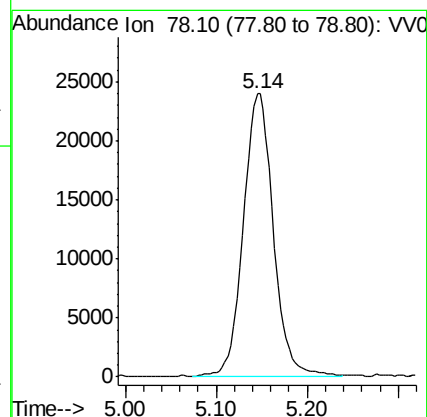
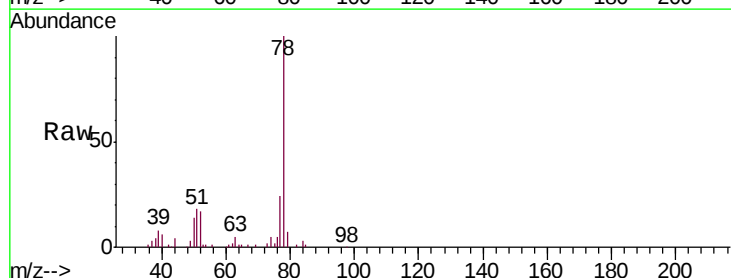
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

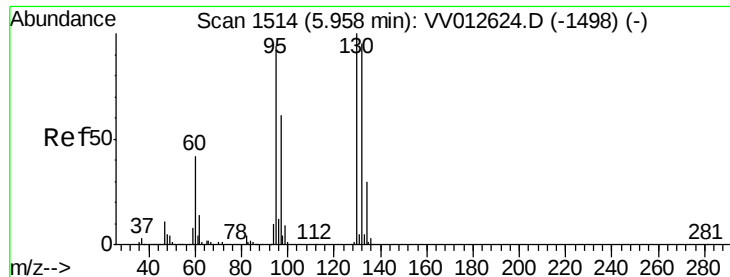
Tgt Ion:117 Resp: 18560
Ion Ratio Lower Upper
117 100
119 99.2 77.7 116.5



#33
Benzene
Concen: 0.542 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012622.D
Acq: 09 Sep 2019 13:37

Tgt Ion: 78 Resp: 55098

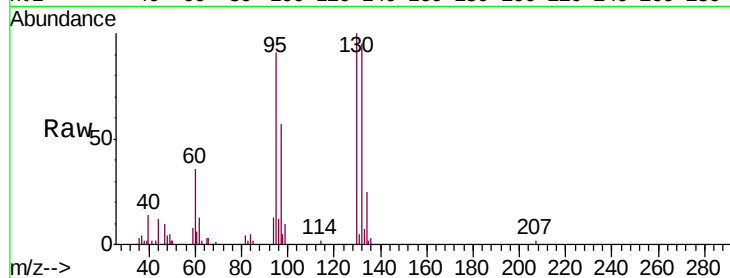




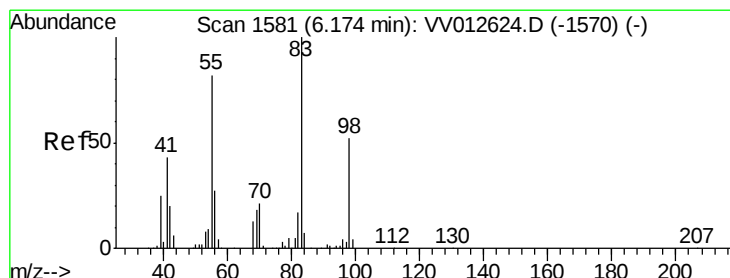
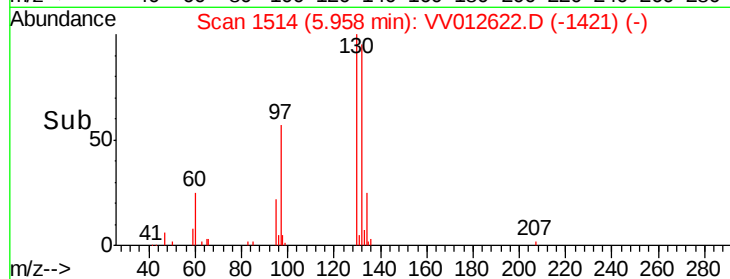
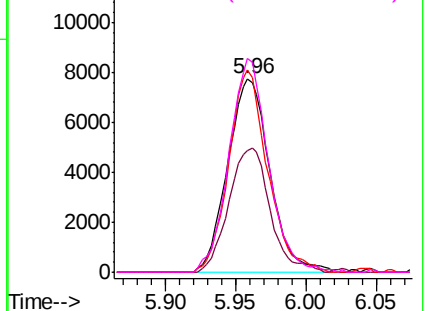
#34
 Trichloroethene
 Concen: 0.603 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

Tgt Ion:	95	Resp:	16149
Ion	Ratio	Lower	Upper
95	100		
97	62.9	45.4	84.2
132	104.6	70.2	130.4
130	110.3	74.2	137.8

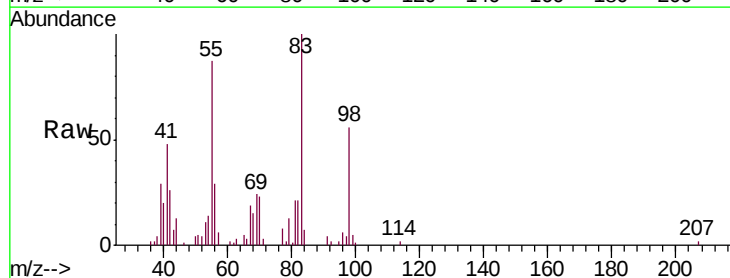


Abundance Ion 95.00 (94.70 to 95.70): VV012622.D (-1498) (-)
 Ion 96.95 (96.65 to 97.65): VV012622.D (-1498) (-)
 Ion 131.95 (131.65 to 132.65): VV012622.D (-1498) (-)
 Ion 129.95 (129.65 to 130.65): VV012622.D (-1498) (-)

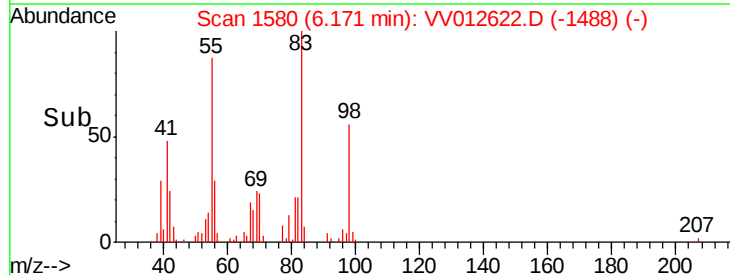
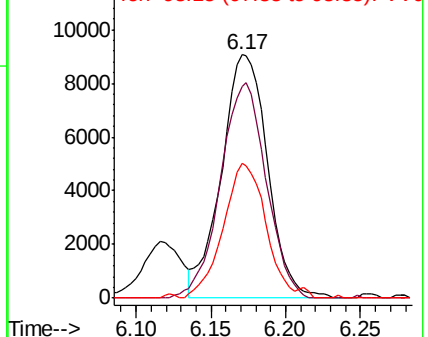


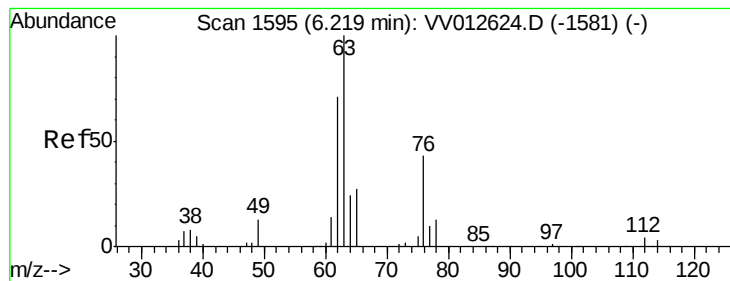
#35
 Methylcyclohexane
 Concen: 0.502 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Tgt Ion:	83	Resp:	19494
Ion	Ratio	Lower	Upper
83	100		
55	87.6	63.0	94.4
98	50.7	39.8	59.8



Abundance Ion 83.15 (82.85 to 83.85): VV012622.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV012622.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV012622.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 0.530 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

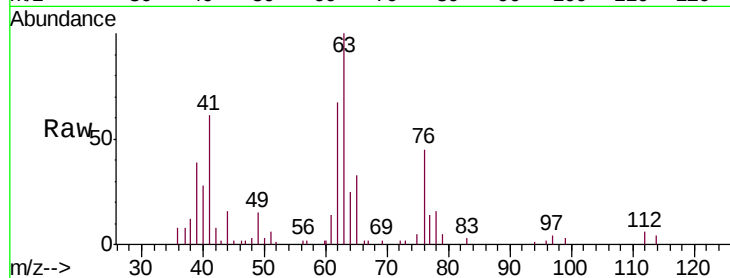
VSTD0.532

Tgt Ion: 63 Resp: 13355

Ion Ratio Lower Upper

63 100

112 6.9 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV012622.D (-1502) (-)

Ion 112.10 (111.80 to 112.80): VV012622.D (-1502) (-)

6.22

8000

6000

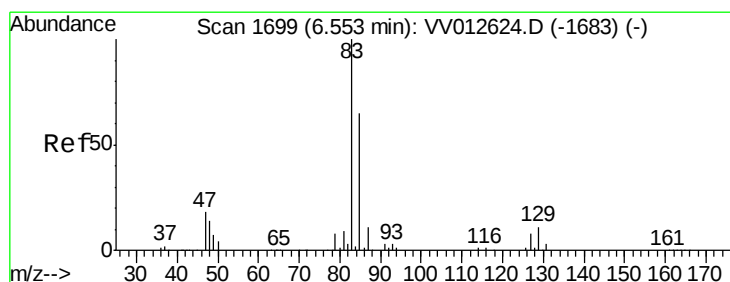
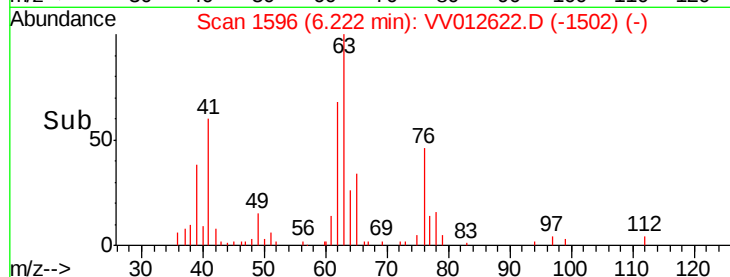
4000

2000

0

6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 0.601 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

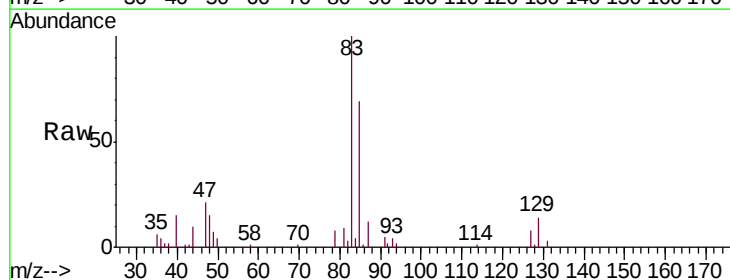
Tgt Ion: 83 Resp: 18847

Ion Ratio Lower Upper

83 100

85 69.0 45.3 84.1

127 7.8 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VV012622.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VV012622.D (-1606) (-)

Ion 126.90 (126.60 to 127.60): VV012622.D (-1606) (-)

6.55

12000

10000

8000

6000

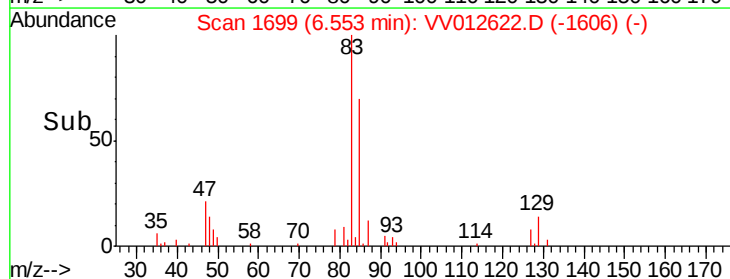
4000

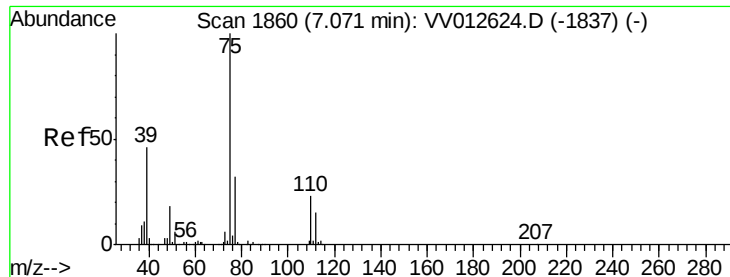
2000

0

6.50 6.55 6.60

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.519 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

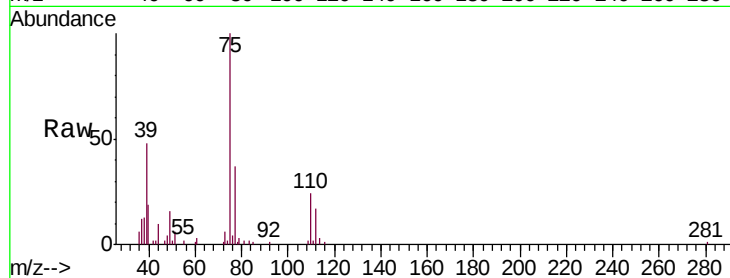
VSTD0.532

Tgt Ion: 75 Resp: 16859

Ion Ratio Lower Upper

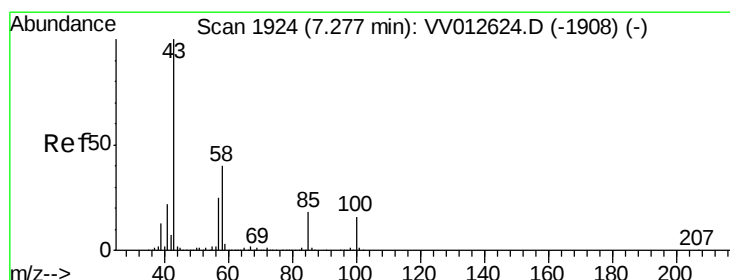
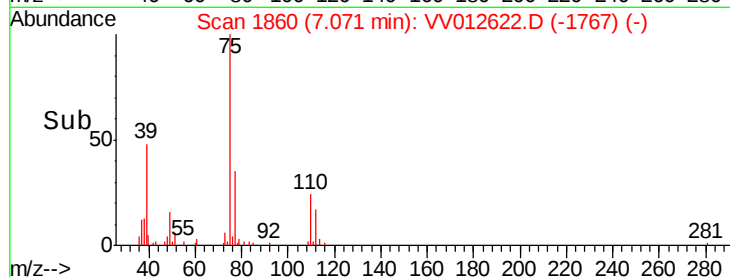
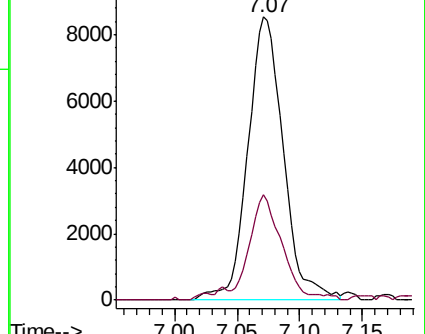
75 100

77 37.0 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 4.567 ug/L

RT: 7.28 min Scan# 1926

Delta R.T. 0.01 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

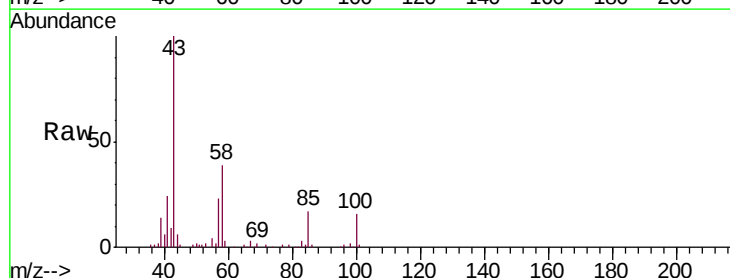
Tgt Ion: 43 Resp: 64125

Ion Ratio Lower Upper

43 100

58 36.6 31.4 47.0

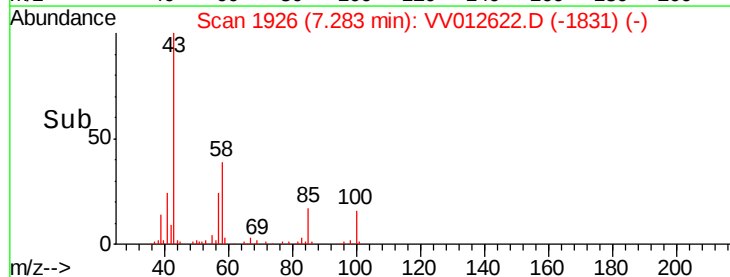
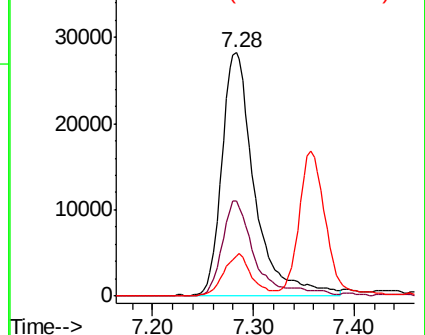
100 14.9 12.6 18.8

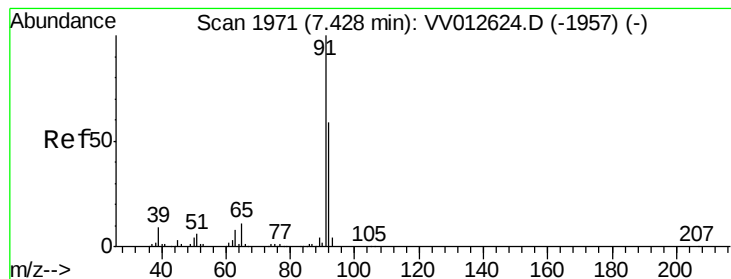


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.481 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

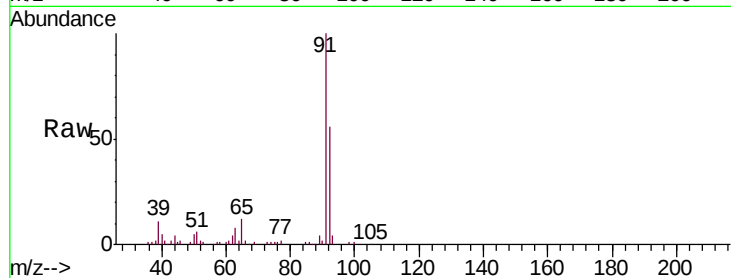
VSTD0.532

Tgt Ion: 91 Resp: 52136

Ion Ratio Lower Upper

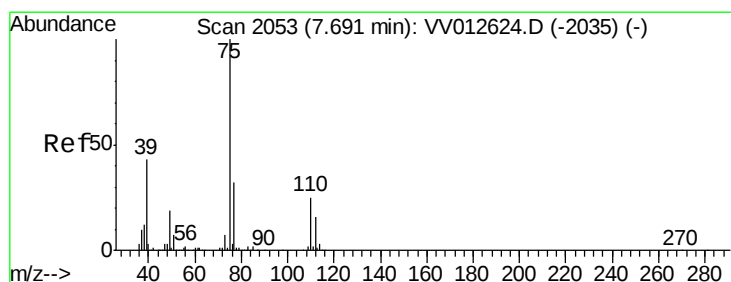
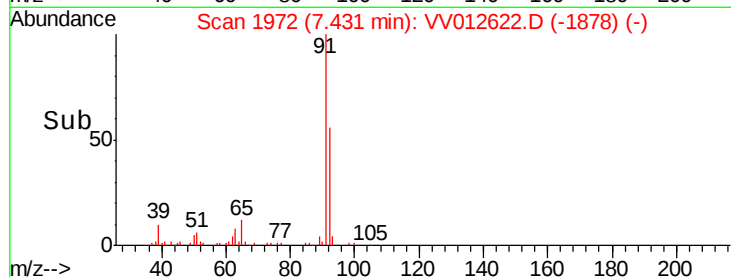
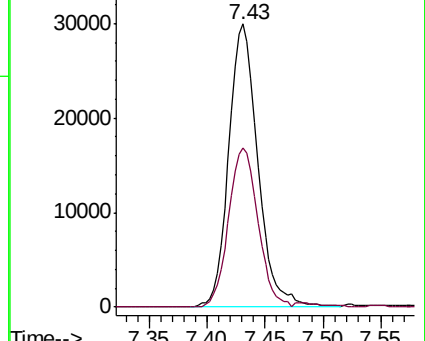
91 100

92 56.1 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.498 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.01 min

Lab File: VV012622.D

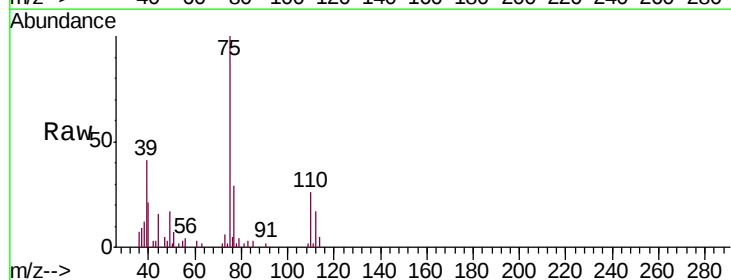
Acq: 09 Sep 2019 13:37

Tgt Ion: 75 Resp: 12162

Ion Ratio Lower Upper

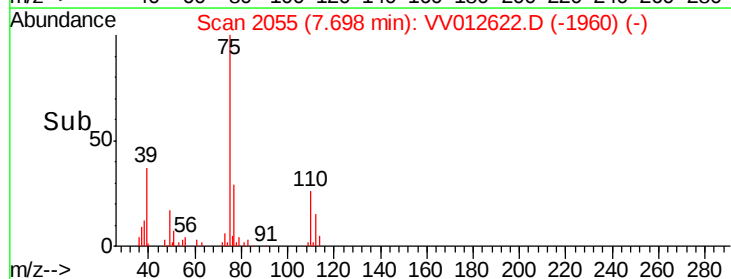
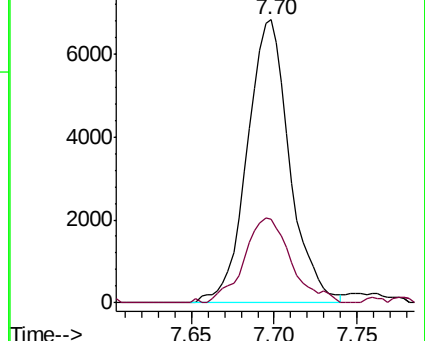
75 100

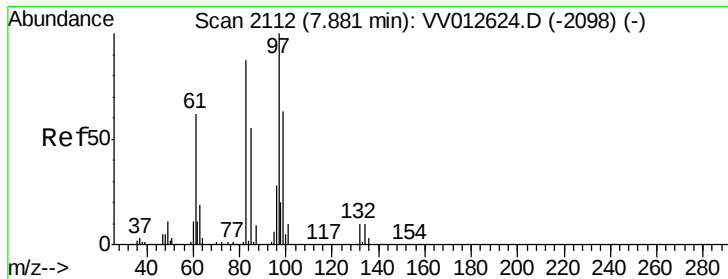
77 29.4 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 0.560 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

Tgt Ion: 97 Resp: 9692

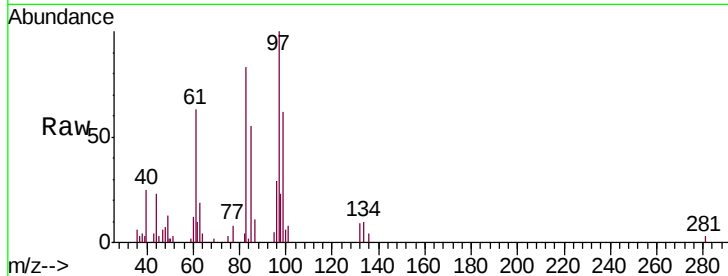
Ion Ratio Lower Upper

97 100

99 62.5 44.2 82.0

83 82.8 60.8 112.8

85 54.9 38.6 71.6

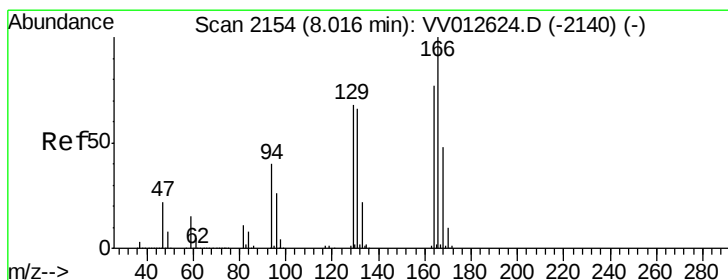
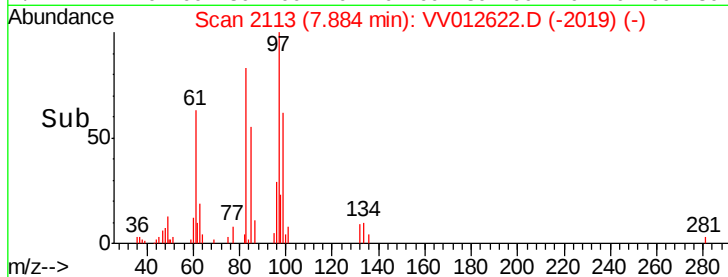
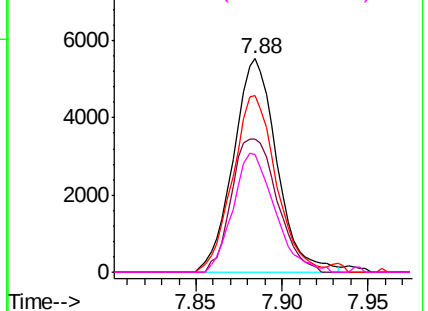


Abundance Ion 96.95 (96.65 to 97.65): VV012622.D (-2098) (-)

Ion 99.05 (98.75 to 99.75): VV012622.D (-2098) (-)

Ion 82.95 (82.65 to 83.65): VV012622.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV012622.D (-2098) (-)



#47

Tetrachloroethene

Concen: 0.564 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Tgt Ion: 164 Resp: 12036

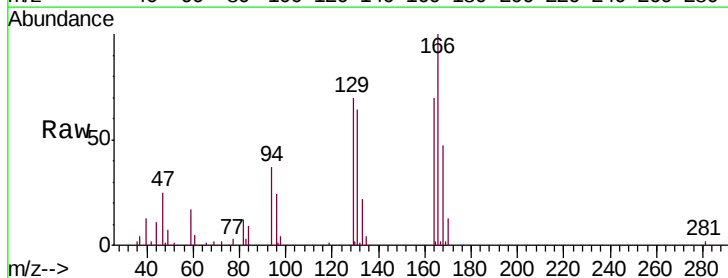
Ion Ratio Lower Upper

164 100

129 100.4 61.9 114.9

131 91.8 59.7 110.9

166 142.5 90.4 167.8

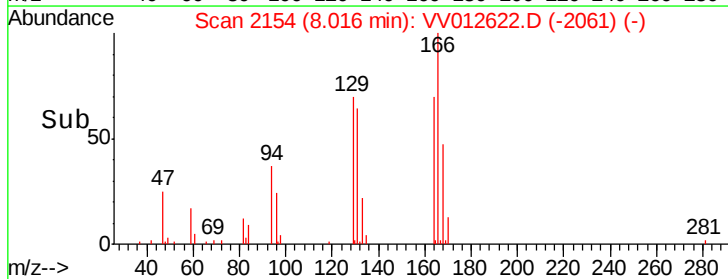
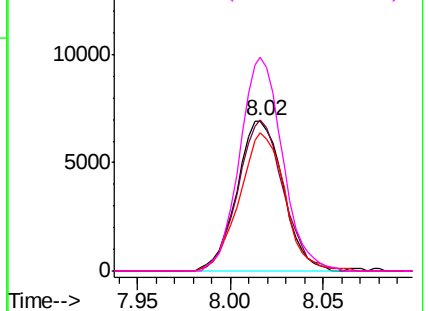


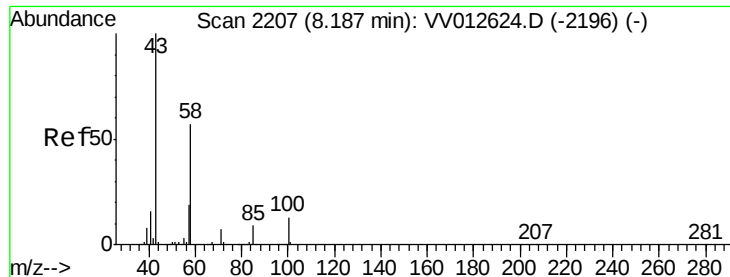
Abundance Ion 163.90 (163.60 to 164.60): VV012622.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV012622.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV012622.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV012622.D (-2140) (-)

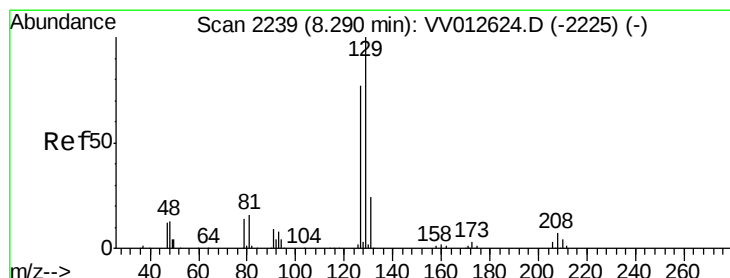
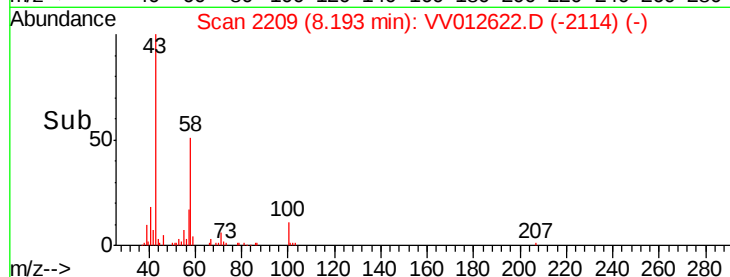
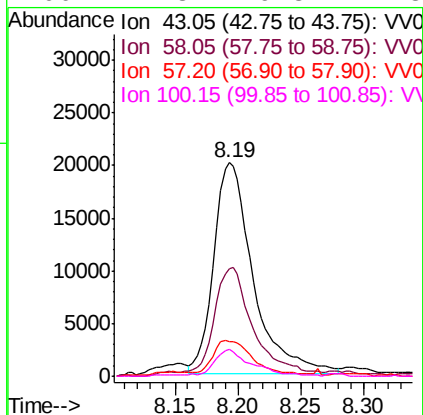
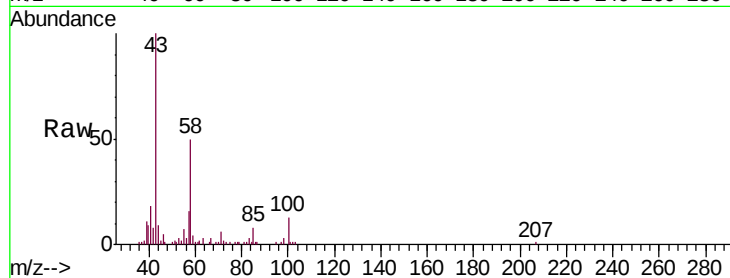




#48
2-Hexanone
Concen: 4.191 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012622.D
Acq: 09 Sep 2019 13:37

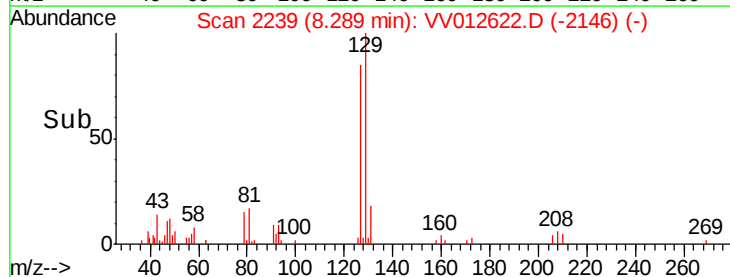
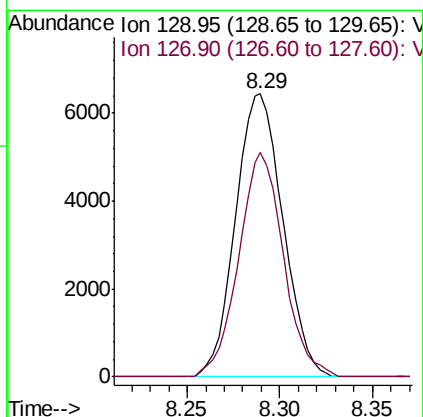
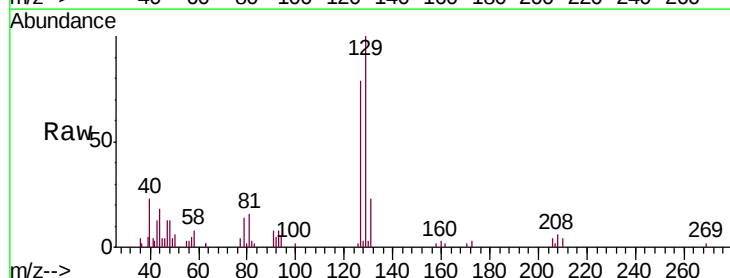
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

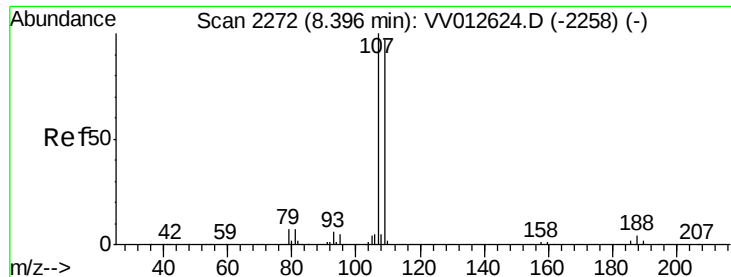
Tgt Ion:	43	Resp:	43790
Ion	Ratio	Lower	Upper
43	100		
58	48.2	44.8	67.2
57	17.6	14.9	22.3
100	12.3	9.8	14.8



#49
Dibromochloromethane
Concen: 0.562 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012622.D
Acq: 09 Sep 2019 13:37

Tgt Ion:	129	Resp:	11443
Ion	Ratio	Lower	Upper
129	100		
127	79.4	53.5	99.5

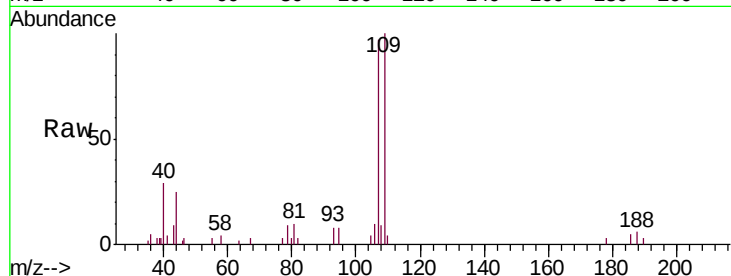




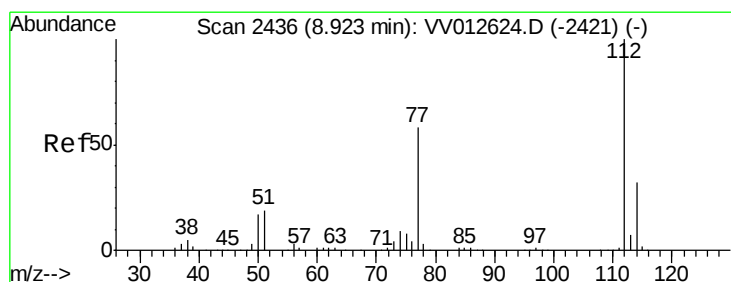
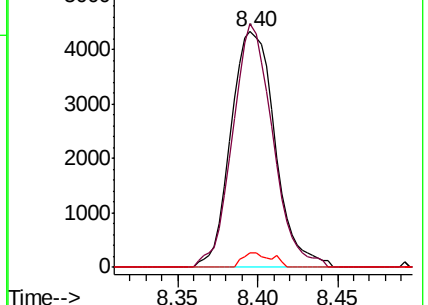
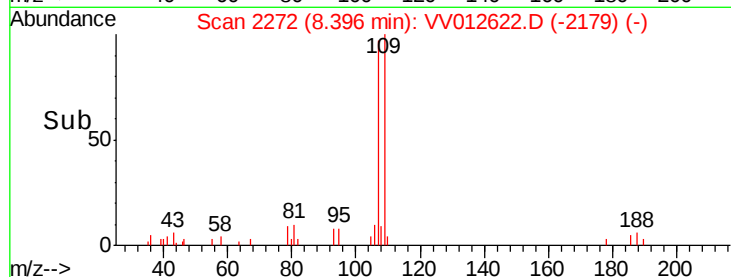
#50
1,2-Dibromoethane
Concen: 0.536 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012622.D
Acq: 09 Sep 2019 13:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

Tgt Ion:107 Resp: 8164
Ion Ratio Lower Upper
107 100
109 103.5 67.7 125.7
188 5.9 3.3 4.9#

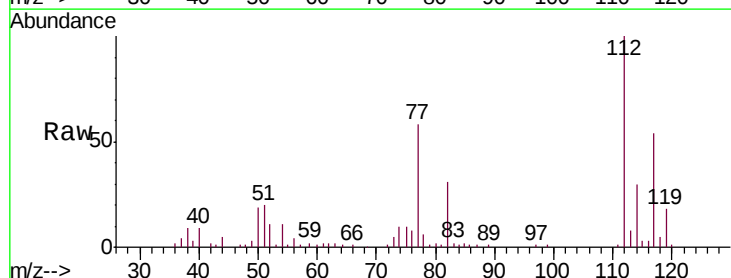


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

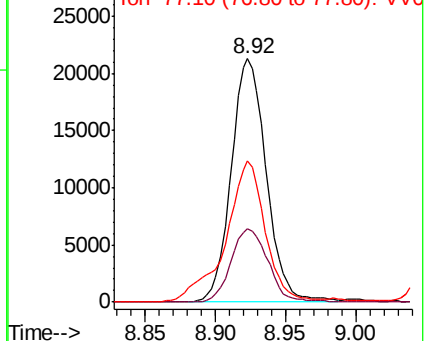
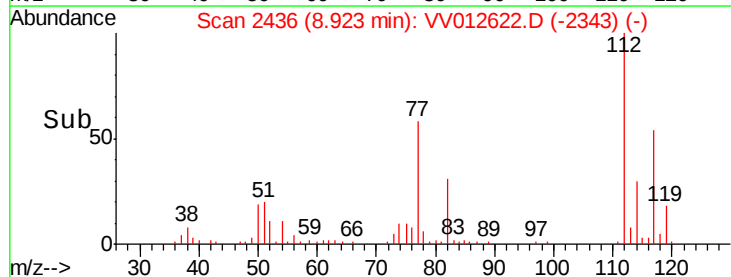


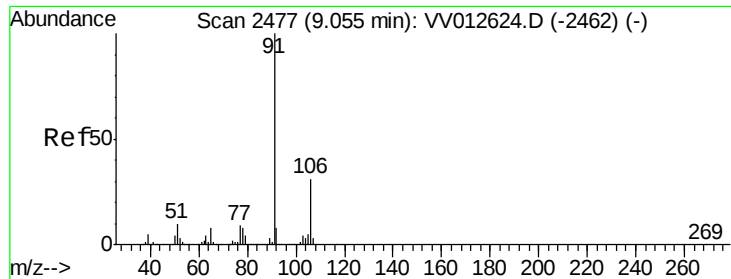
#51
Chlorobenzene
Concen: 0.543 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012622.D
Acq: 09 Sep 2019 13:37

Tgt Ion:112 Resp: 37077
Ion Ratio Lower Upper
112 100
114 30.0 22.5 41.9
77 57.8 46.2 69.2



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: 0.487 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

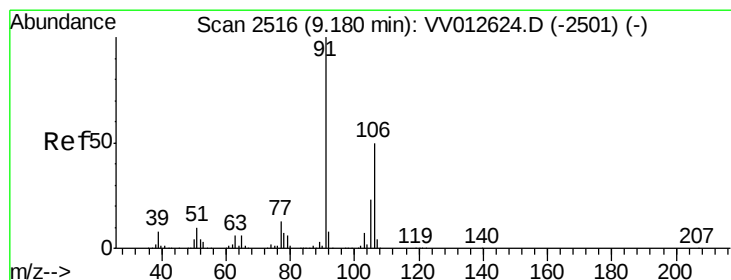
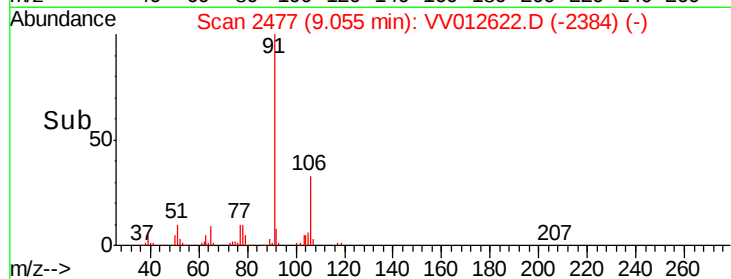
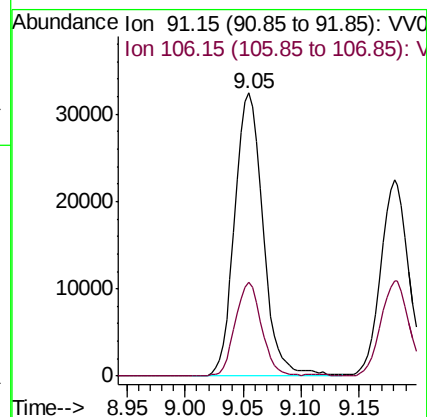
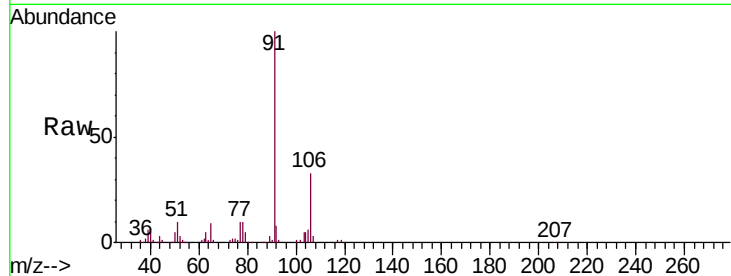
VSTD0.532

Tgt Ion: 91 Resp: 55208

Ion Ratio Lower Upper

91 100

106 33.3 21.7 40.3



#53

m,p-xylene

Concen: 0.436 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012622.D

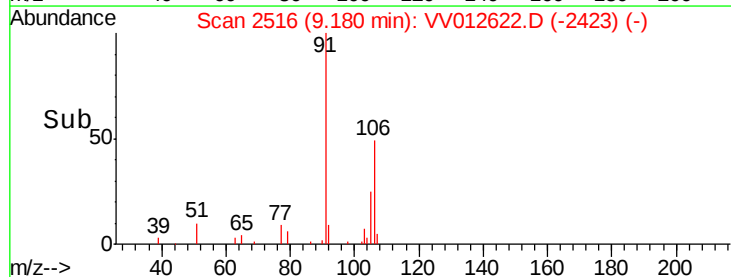
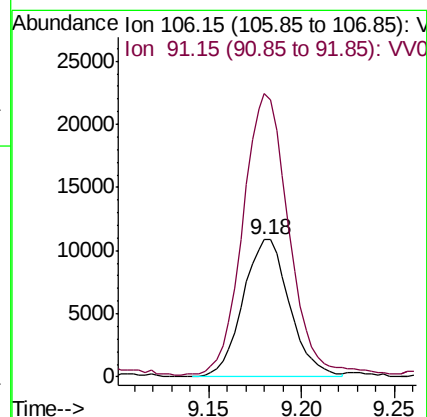
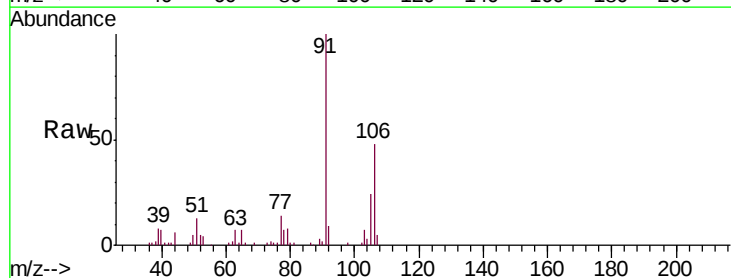
Acq: 09 Sep 2019 13:37

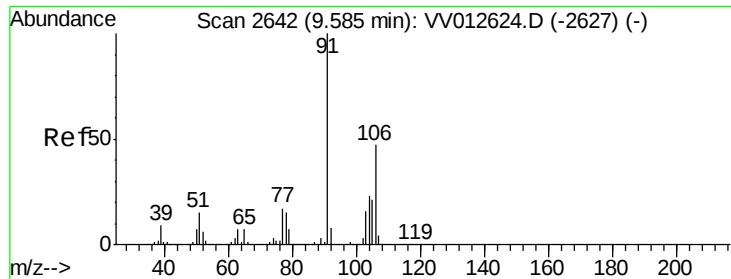
Tgt Ion: 106 Resp: 19025

Ion Ratio Lower Upper

106 100

91 206.2 140.0 260.0





#54

o-xylene

Concen: 0.456 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampled :

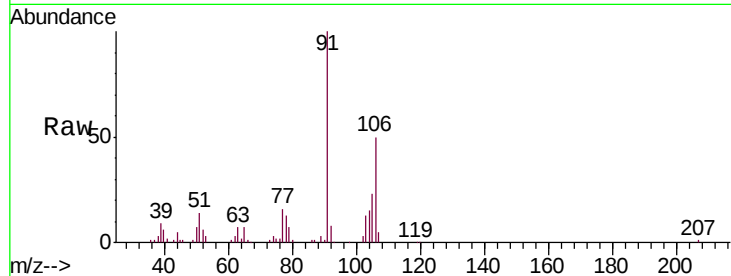
VSTD0.532

Tgt Ion:106 Resp: 18976

Ion Ratio Lower Upper

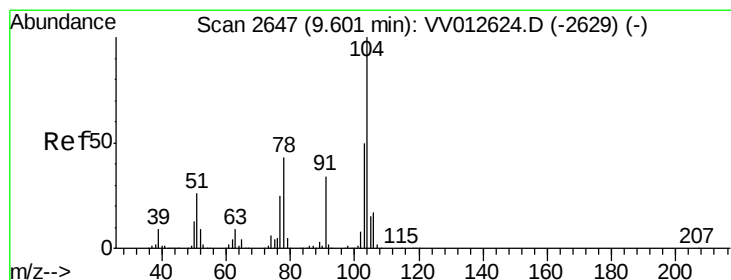
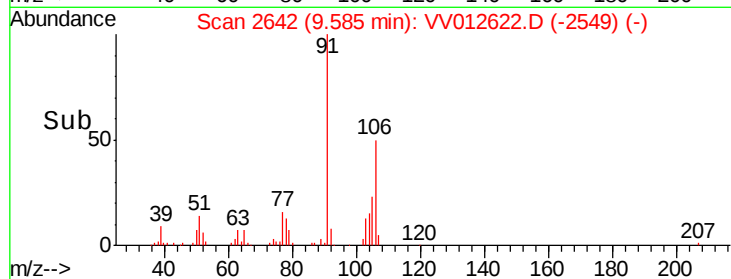
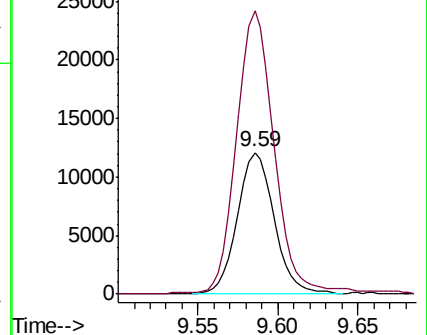
106 100

91 199.7 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.394 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012622.D

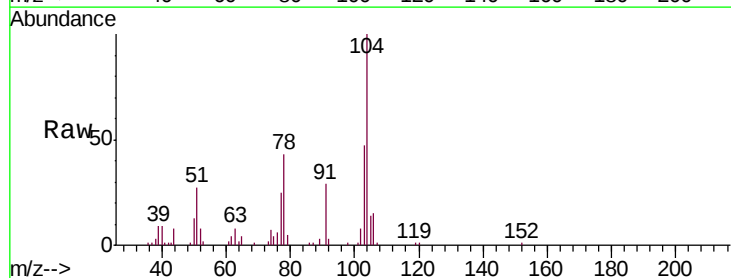
Acq: 09 Sep 2019 13:37

Tgt Ion:104 Resp: 28488

Ion Ratio Lower Upper

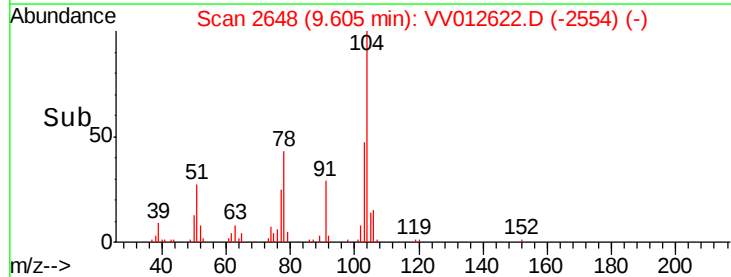
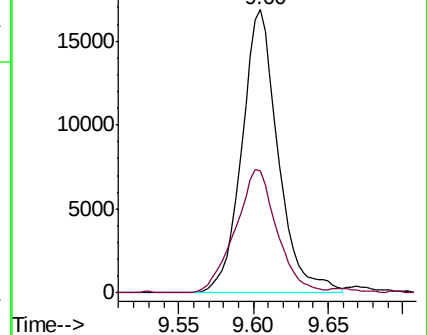
104 100

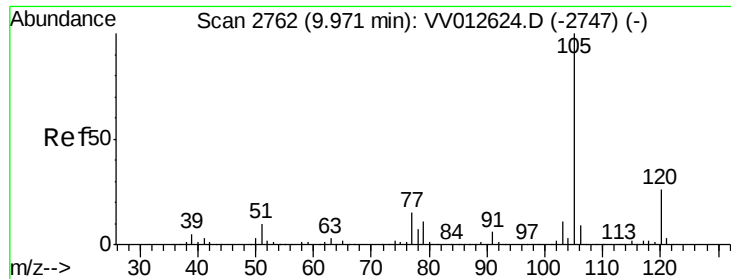
78 42.9 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.433 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

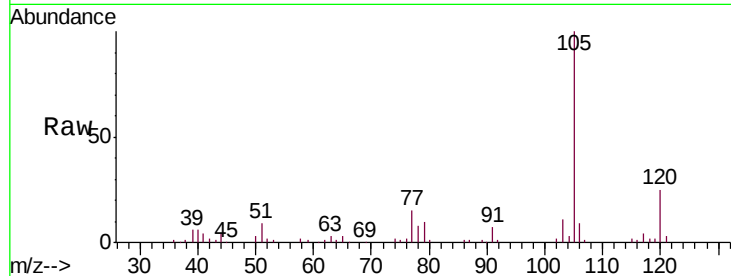
Tgt Ion: 105 Resp: 47941

Ion Ratio Lower Upper

105 100

120 25.1 21.1 31.7

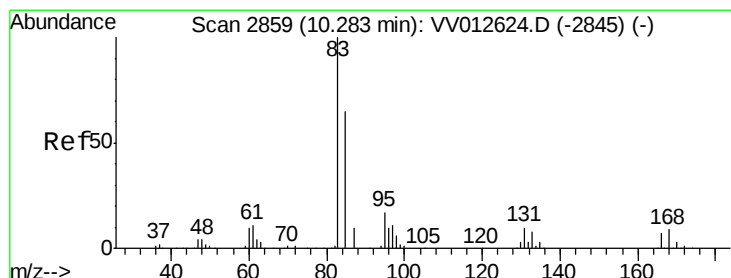
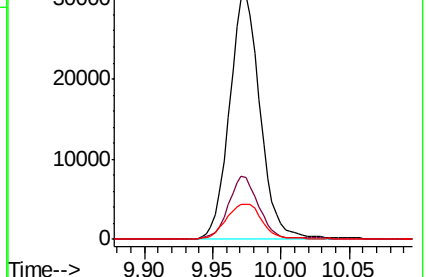
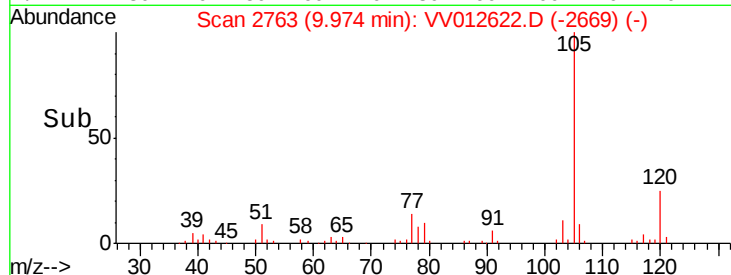
77 16.9 12.2 18.4



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: 0.538 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

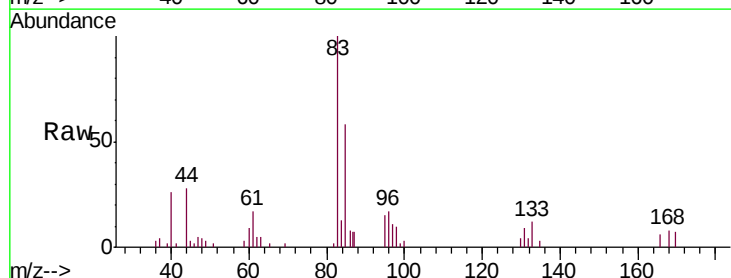
Tgt Ion: 83 Resp: 9266

Ion Ratio Lower Upper

83 100

85 57.7 45.4 84.2

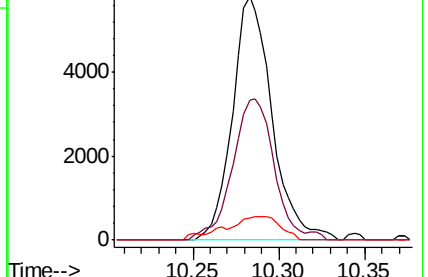
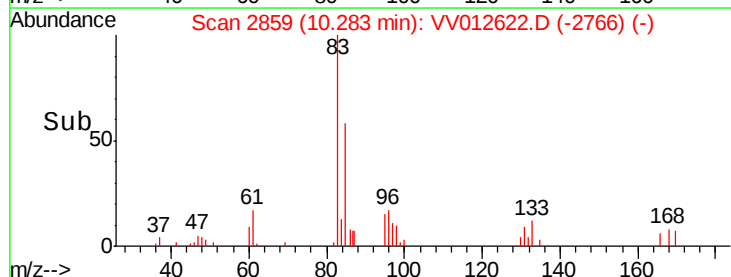
131 9.3 8.2 12.4

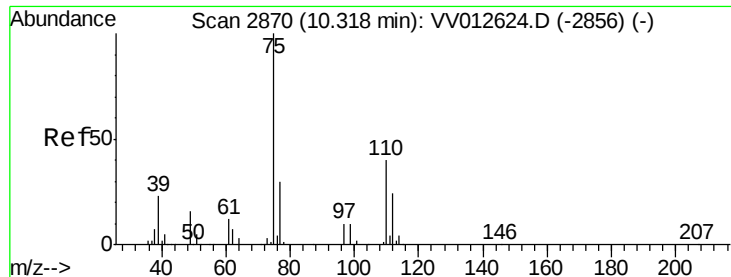


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

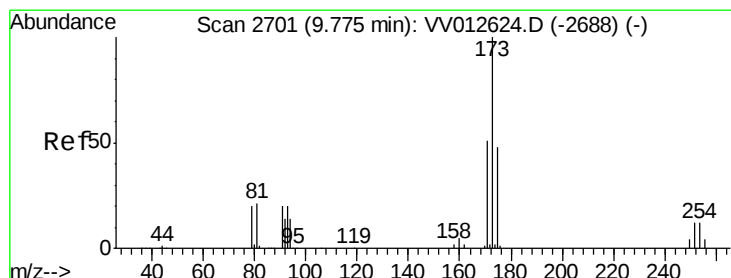
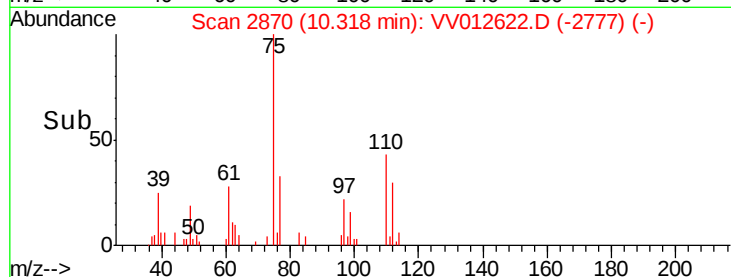
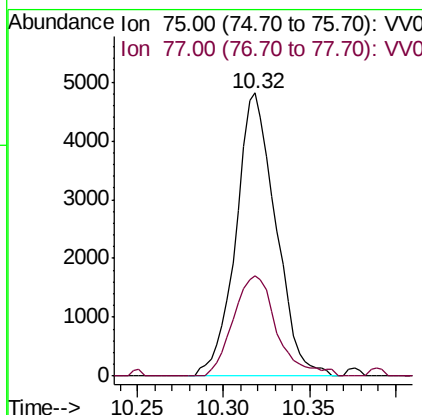
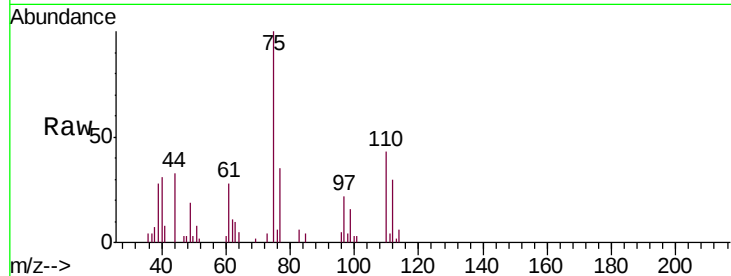




#59
 1,2,3-Trichloropropane
 Concen: 0.534 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

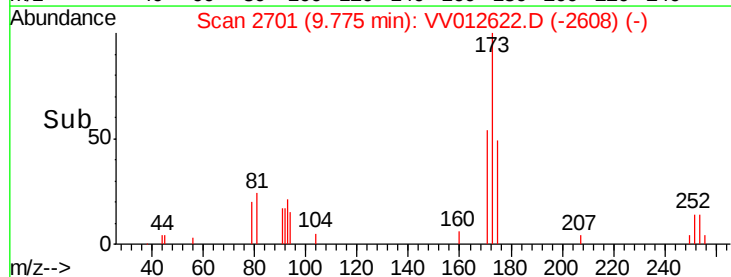
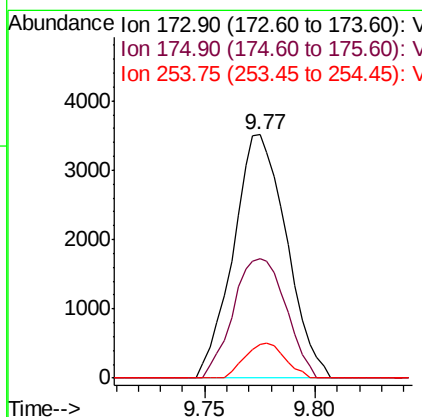
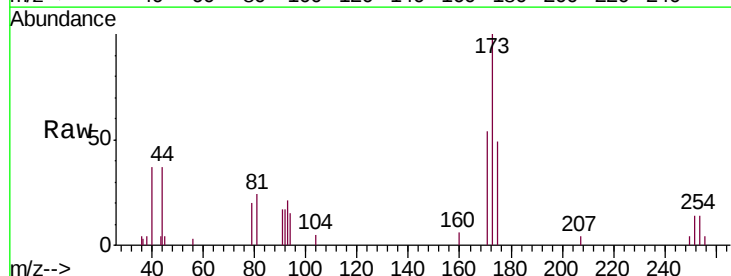
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.532

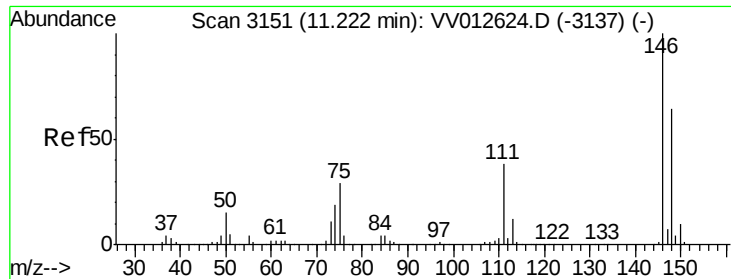
Tgt Ion: 75 Resp: 7739
 Ion Ratio Lower Upper
 75 100
 77 38.7 24.9 37.3#



#61
 Bromoform
 Concen: 0.622 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Tgt Ion: 173 Resp: 5882
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.8 59.6
 254 11.0 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 0.536 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

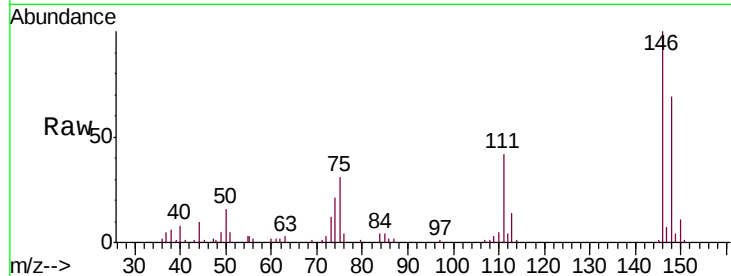
Tgt Ion:146 Resp: 25417

Ion Ratio Lower Upper

146 100

111 41.5 26.3 48.9

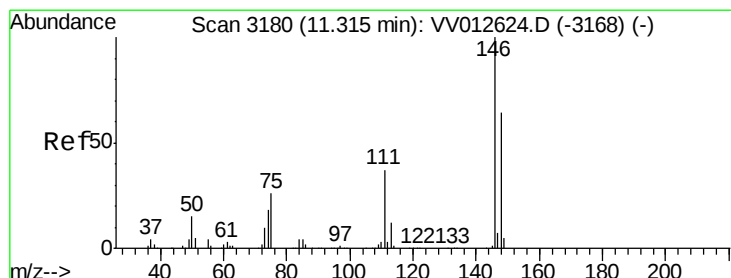
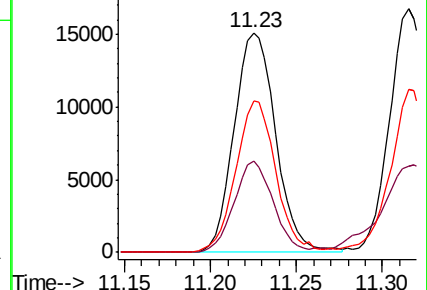
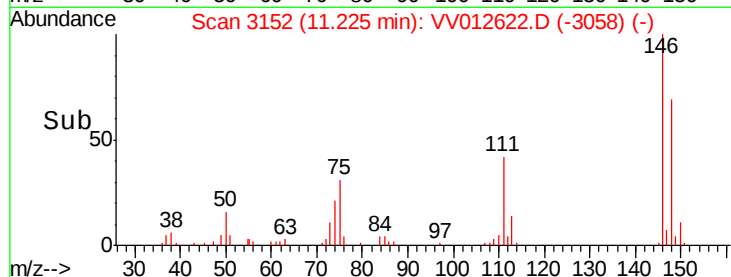
148 68.9 44.7 82.9



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: 0.589 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

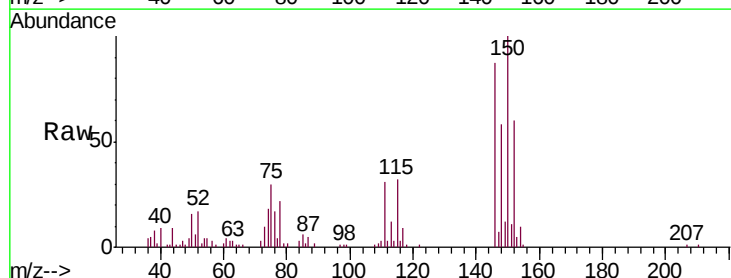
Tgt Ion:146 Resp: 27496

Ion Ratio Lower Upper

146 100

111 35.5 25.9 48.1

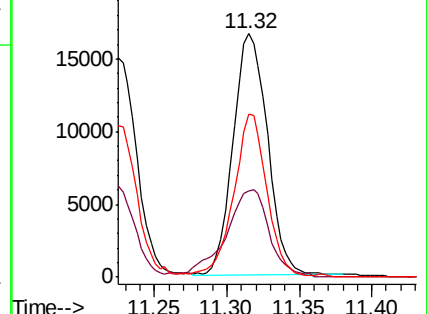
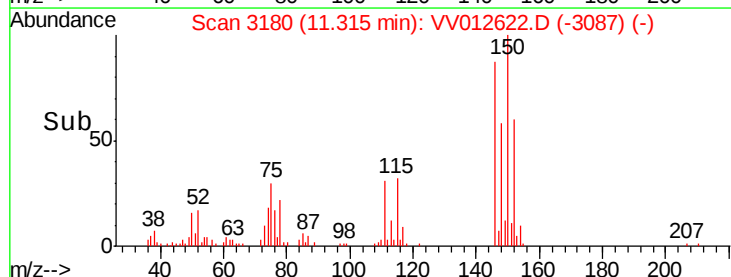
148 66.7 45.1 83.7

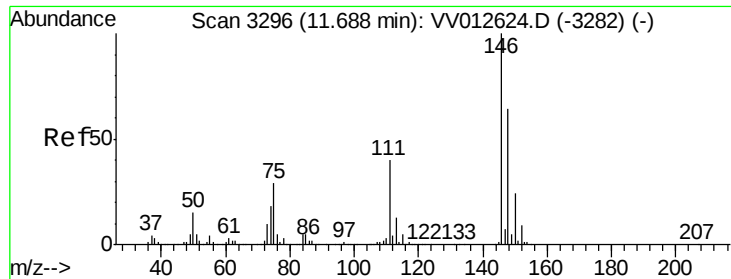


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

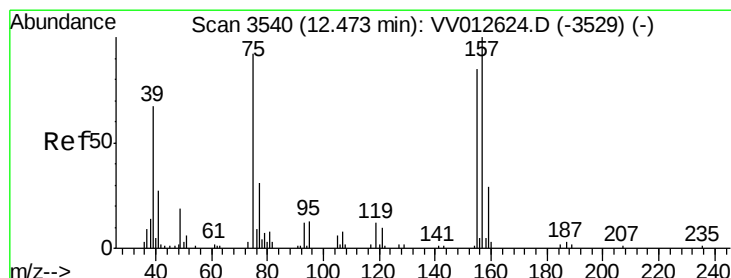
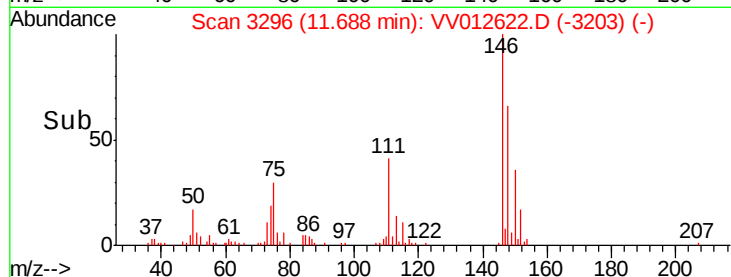
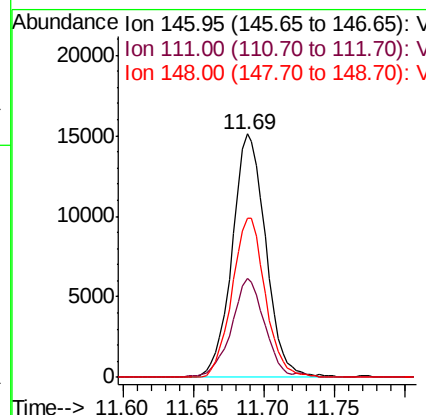
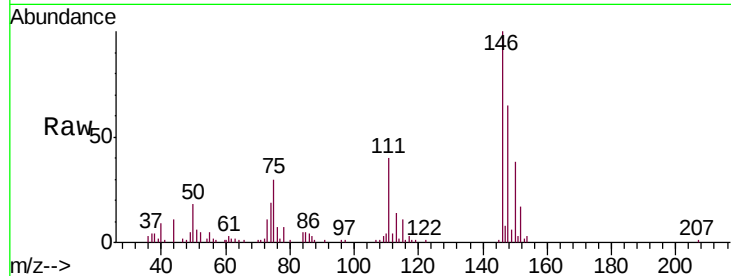




#65
 1,2-Dichlorobenzene
 Concen: 0.580 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

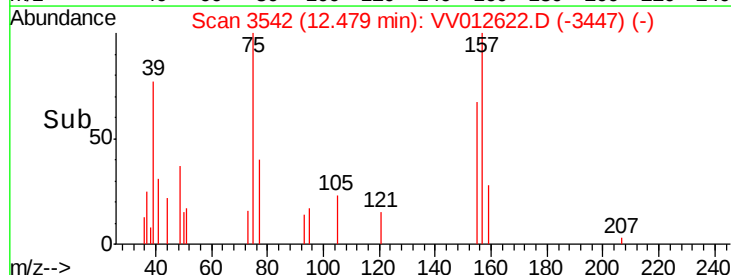
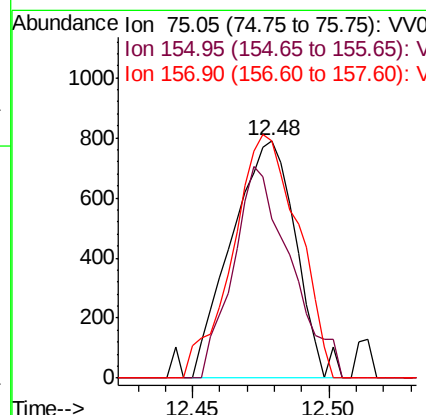
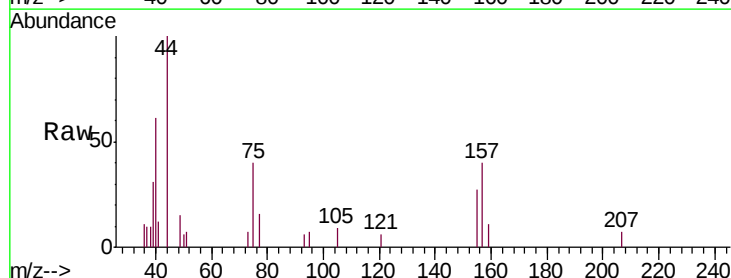
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

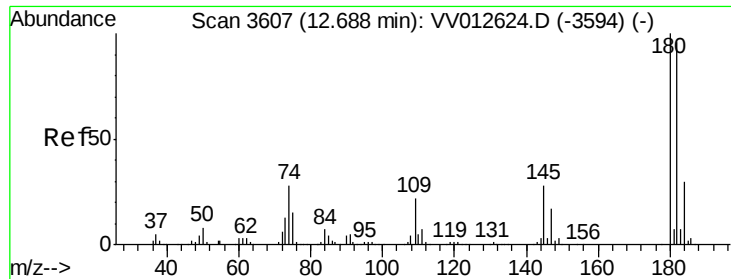
Tgt Ion:146 Resp: 25187
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.2 48.4
 148 65.2 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.589 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.01 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Tgt Ion: 75 Resp: 1289
 Ion Ratio Lower Upper
 75 100
 155 67.0 74.3 111.5#
 157 99.9 87.4 131.0

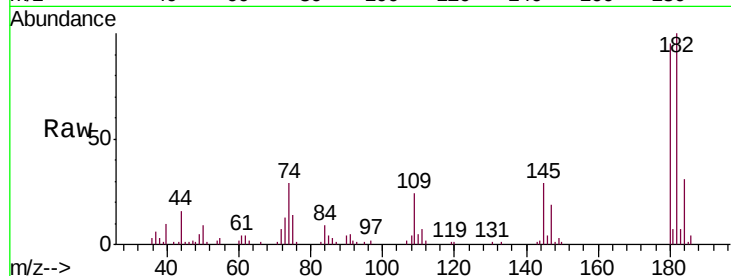




#67
 1,3,5-Trichlorobenzene
 Concen: 0.552 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

Tgt Ion:	180	Resp:	19249
Ion	Ratio	Lower	Upper
180	100		
182	99.8	76.2	114.4
184	30.7	24.3	36.5
145	27.7	22.0	33.0



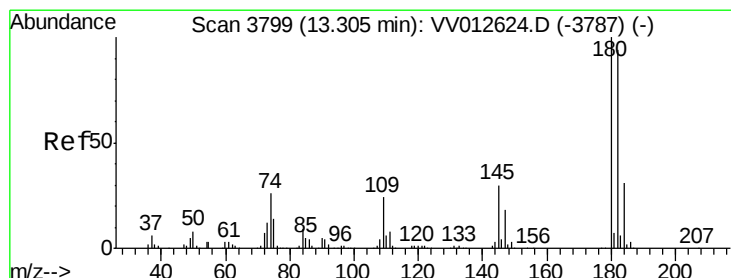
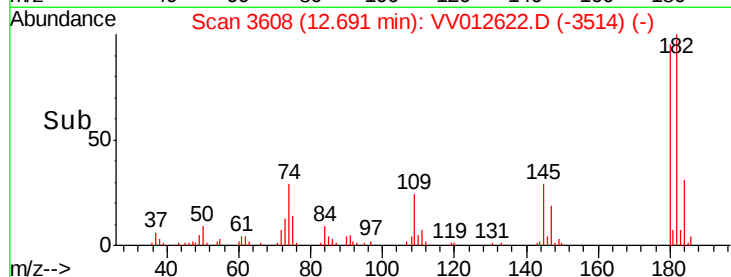
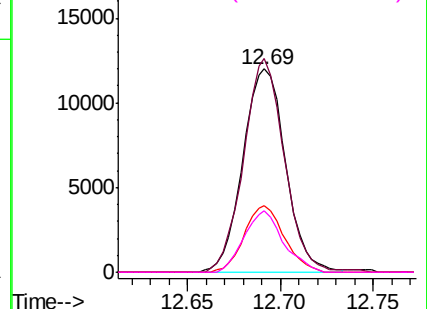
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

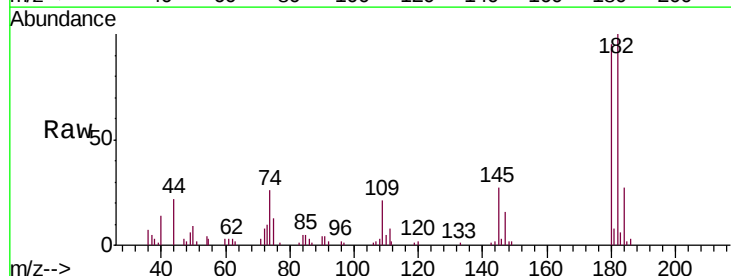
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.532 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012622.D
 Acq: 09 Sep 2019 13:37

Tgt Ion:	180	Resp:	14310
Ion	Ratio	Lower	Upper
180	100		
182	101.2	76.1	114.1
145	32.2	23.2	34.8

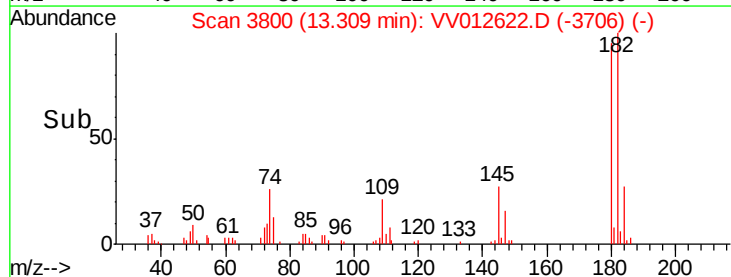
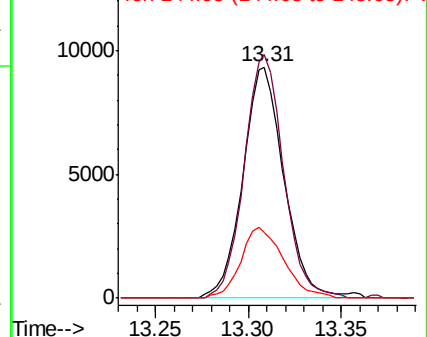


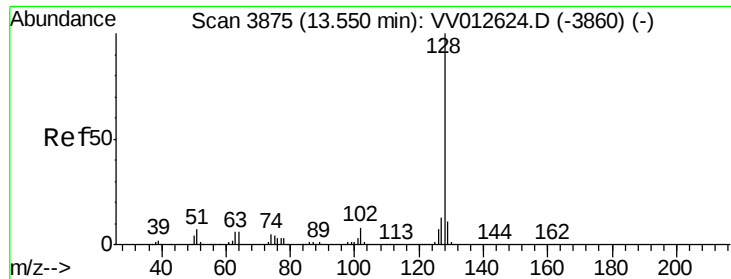
Abundance

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: 0.475 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

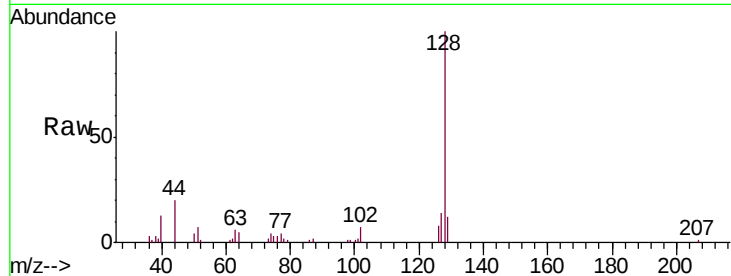
Tgt Ion:128 Resp: 19051

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

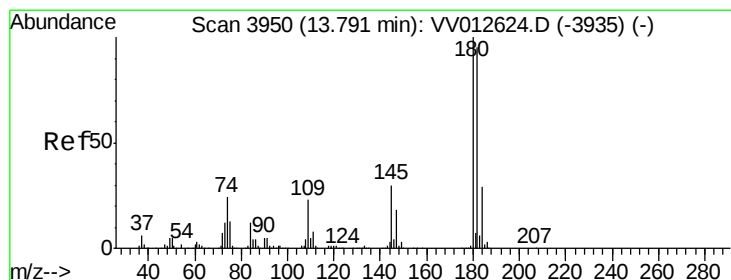
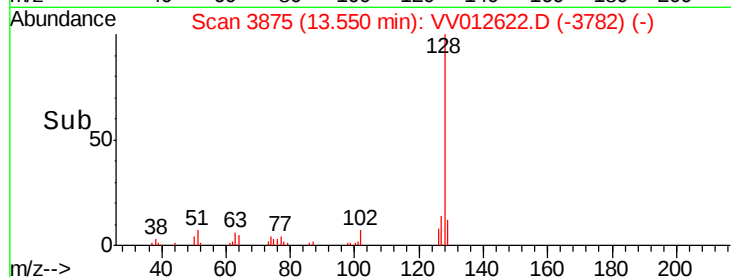
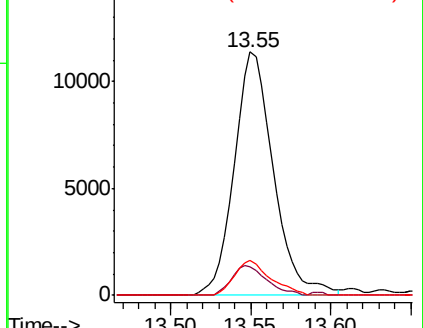
127 13.1 10.2 15.4



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: 0.515 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012622.D

Acq: 09 Sep 2019 13:37

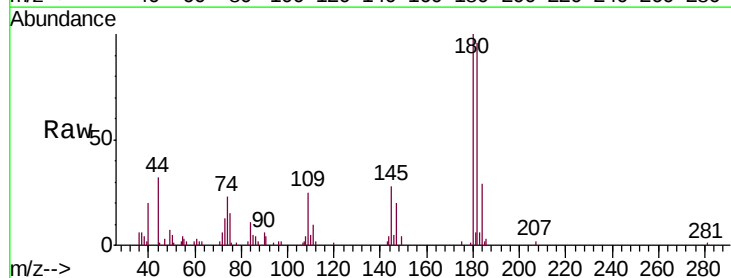
Tgt Ion:180 Resp: 13545

Ion Ratio Lower Upper

180 100

182 92.5 77.0 115.6

145 29.2 24.5 36.7



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

