

Data File : VV014524.D
Acq On : 06 Feb 2020 18:02
Operator : SY/MD
Sample : VSTD00562
Misc : 5.0g/10.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Quant Time: Feb 07 03:21:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM020720S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 03:18:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	366702	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	349550	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	175382	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17096	3.58	ug/L	0.00
7) Chloroethane-d5	1.58	69	12532	3.60	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	27778	3.33	ug/L	0.00
20) 2-Butanone-d5	3.94	46	16091	7.04	ug/L	0.01
24) Chloroform-d	4.40	84	40788	4.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	24981	4.29	ug/L	0.00
29) Benzene-d6	5.10	84	93275	4.61	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	28422	4.60	ug/L	0.00
37) Toluene-d8	7.35	98	86442	4.75	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	13471	4.88	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	13430	10.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.25	84	26906	4.72	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	32691	4.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32770	5.477 ug/L	100
3) Chloromethane	1.25	50	30402	5.387 ug/L	98
5) Vinyl chloride	1.32	62	22458	4.148 ug/L	98
6) Bromomethane	1.52	94	10629	4.133 ug/L	96
8) Chloroethane	1.60	64	10268	3.433 ug/L	99
9) Trichlorofluoromethane	1.77	101	31798	4.173 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15763	3.602 ug/L	98
12) 1,1-Dichloroethene	2.14	96	13967	3.405 ug/L	97
13) Acetone	2.18	43	15465	5.805 ug/L	94
14) Carbon disulfide	2.32	76	80124	4.742 ug/L	99
15) Methyl Acetate	2.46	43	14337	3.574 ug/L	100
16) Methylene chloride	2.53	84	35016	5.115 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	65968	4.523 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	27129	4.650 ug/L	96
19) 1,1-Dichloroethane	3.23	63	43953	4.179 ug/L	98
21) 2-Butanone	4.02	43	17396	6.159 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	28556	4.599 ug/L	98
23) Bromochloromethane	4.30	128	12923	4.386 ug/L	97
25) Chloroform	4.42	83	49696	4.508 ug/L	99
27) 1,2-Dichloroethane	5.17	62	30676	4.103 ug/L	100
30) Cyclohexane	4.72	56	44018	4.725 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	37717	4.291 ug/L	97
32) Carbon tetrachloride	4.87	117	34153	4.393 ug/L	98
34) Benzene	5.14	78	99743	4.384 ug/L	100
35) Trichloroethene	5.96	95	27664	4.518 ug/L	98
36) Methylcyclohexane	6.17	83	47835	4.955 ug/L	98
40) 1,2-Dichloropropane	6.22	63	25225	4.393 ug/L	100
41) Bromodichloromethane	6.55	83	32597	4.368 ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	41694	4.766 ug/L	95
43) 4-Methyl-2-pentanone	7.26	43	38740	7.607 ug/L	99

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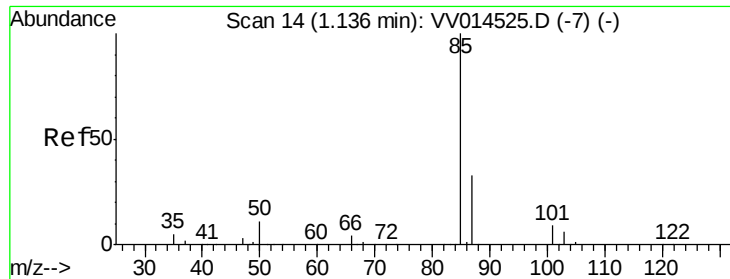
Quant Time: Feb 07 03:21:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM020720S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 03:18:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	111054	4.754	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	34175	4.595	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	21638	4.676	ug/L	97
47) Tetrachloroethene	8.02	164	21329	4.190	ug/L	99
49) 2-Hexanone	8.18	43	27081	7.276	ug/L	99
50) Dibromochloromethane	8.29	129	23456	4.241	ug/L	98
51) 1,2-Dibromoethane	8.39	107	20853	4.363	ug/L #	98
52) Chlorobenzene	8.92	112	73941	4.676	ug/L	99
53) Ethylbenzene	9.05	91	124404	4.832	ug/L	99
54) m,p-Xylene	9.18	106	46493	4.794	ug/L	93
55) o-xylene	9.58	106	46452	4.994	ug/L	97
56) Styrene	9.60	104	75221	4.693	ug/L	96
57) Isopropylbenzene	9.97	105	122203	4.944	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	26984	4.510	ug/L	97
59) 1,2,3-Trichloropropane	10.31	75	20442	4.195	ug/L	99
62) Bromoform	9.77	173	13527	3.950	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	58022	4.765	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	58868	4.719	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	54413	4.812	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	4598	4.419	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	41591	4.401	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	35911	4.384	ug/L	98
69) Naphthalene	13.55	128	81891	5.060	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	32786	4.352	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.477 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

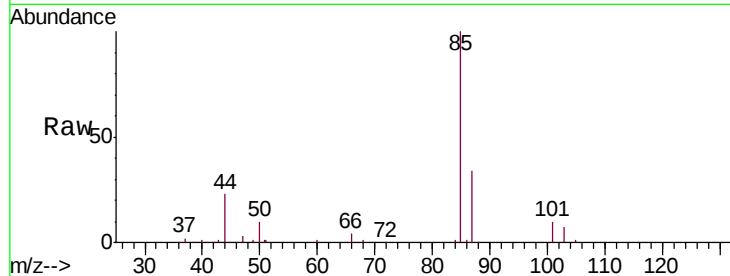
VSTD00562

Tgt Ion: 85 Resp: 32770

Ion Ratio Lower Upper

85 100

87 33.1 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

40000

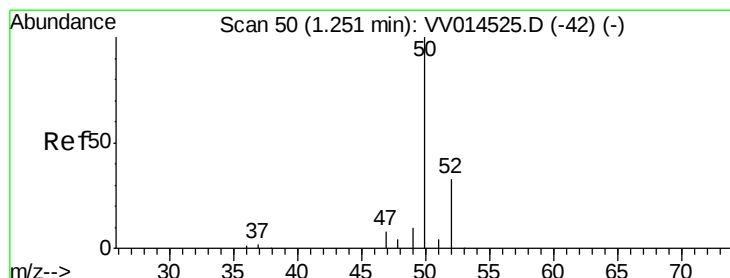
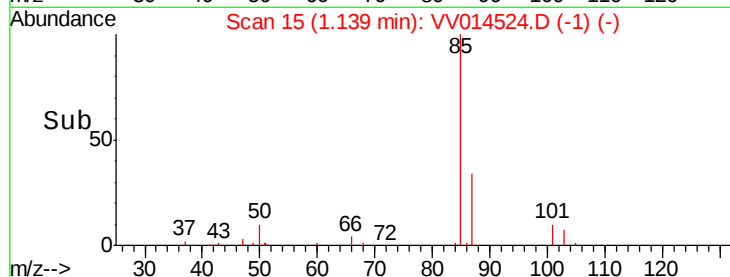
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 5.387 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014524.D

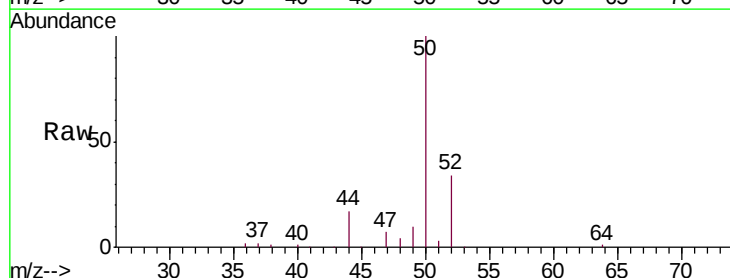
Acq: 06 Feb 2020 18:02

Tgt Ion: 50 Resp: 30402

Ion Ratio Lower Upper

50 100

52 33.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

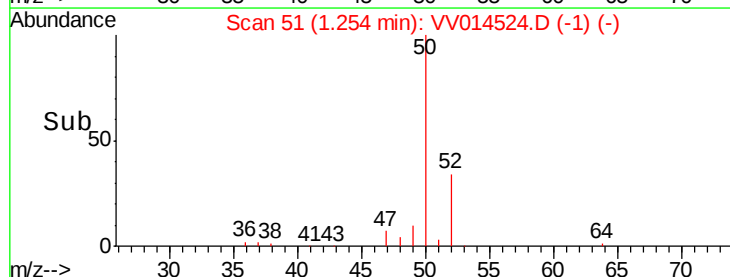
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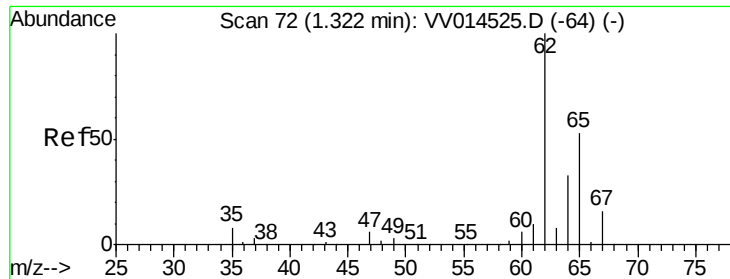
20000

10000

0

Time-->





#5

Vinyl chloride

Concen: 4.148 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

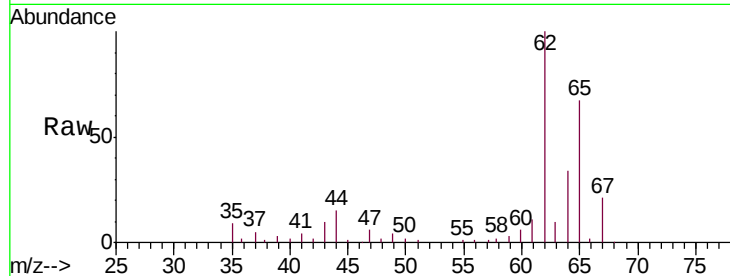
VSTD00562

Tgt Ion: 62 Resp: 22458

Ion Ratio Lower Upper

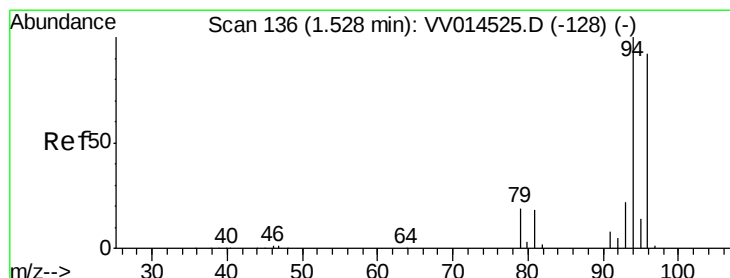
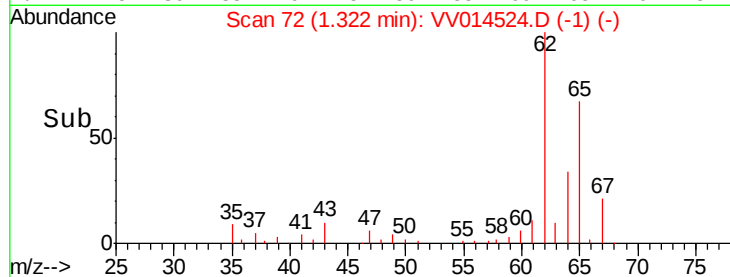
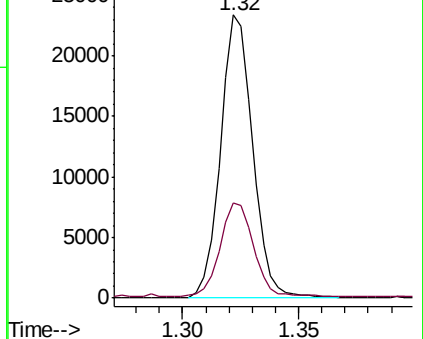
62 100

64 33.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 4.133 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV014524.D

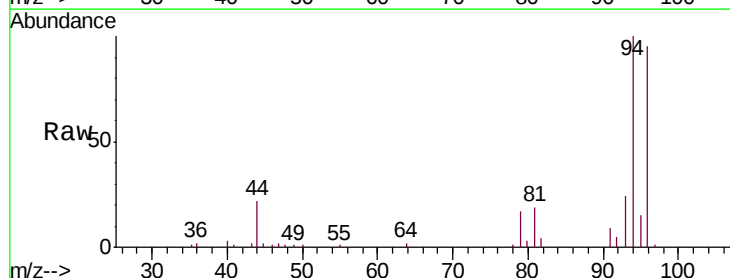
Acq: 06 Feb 2020 18:02

Tgt Ion: 94 Resp: 10629

Ion Ratio Lower Upper

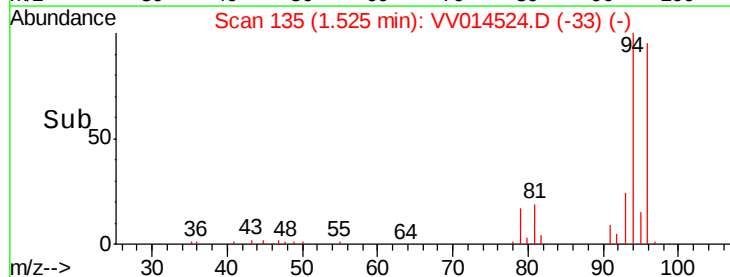
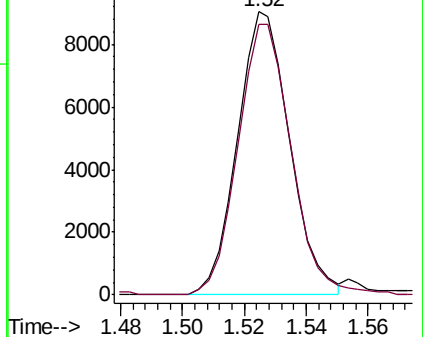
94 100

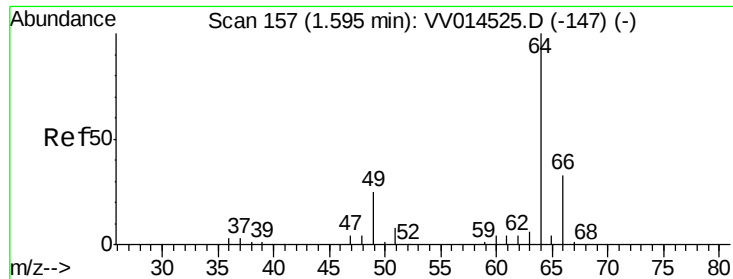
96 97.8 9.4 178.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

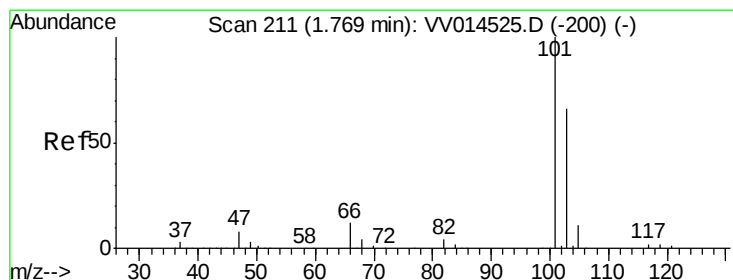
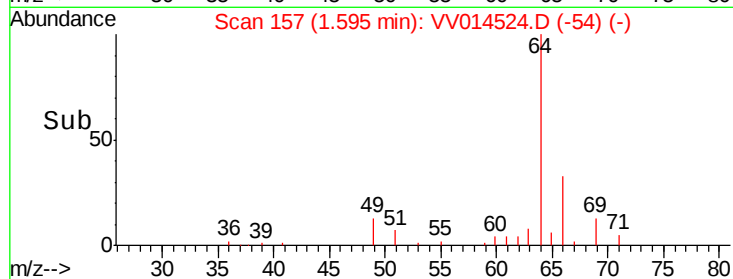
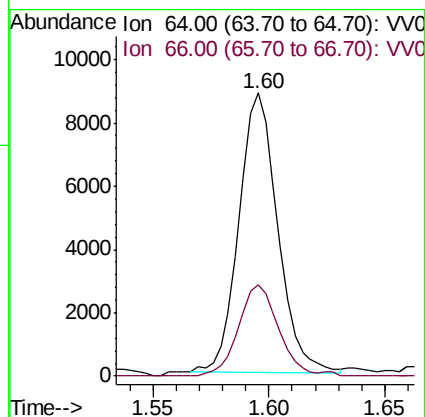
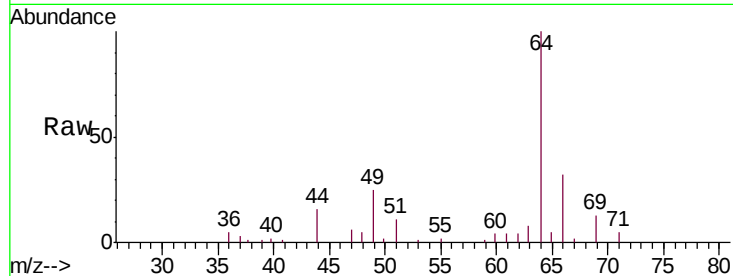




#8
Chloroethane
Concen: 3.433 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

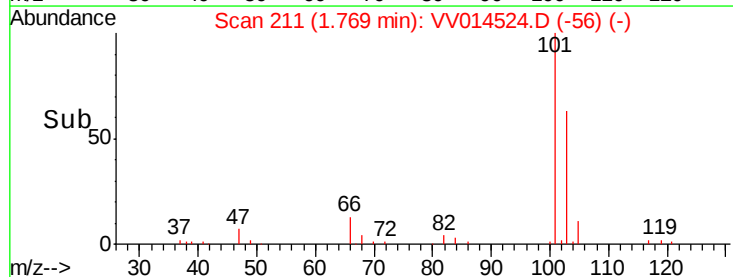
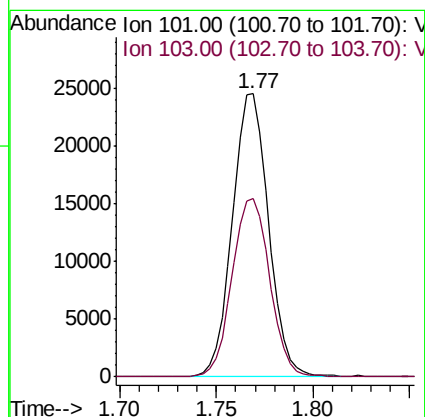
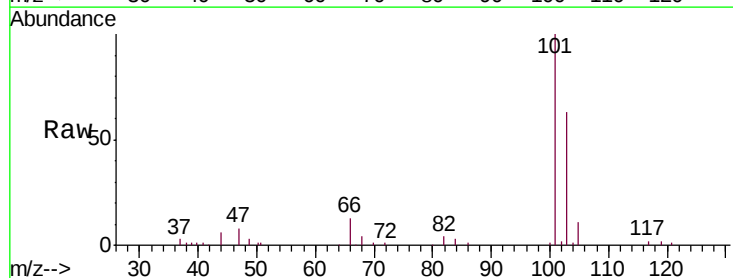
Instrument :
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ClientSampleId :
VSTD00562

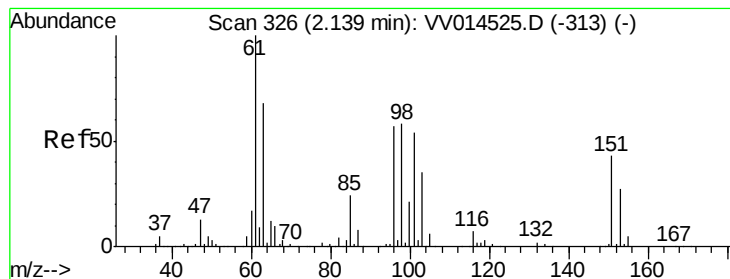
Tgt Ion: 64 Resp: 10268
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.0



#9
Trichlorofluoromethane
Concen: 4.173 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

Tgt Ion: 101 Resp: 31798
Ion Ratio Lower Upper
101 100
103 65.6 45.8 85.2





#11

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

Concen: 3.602 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

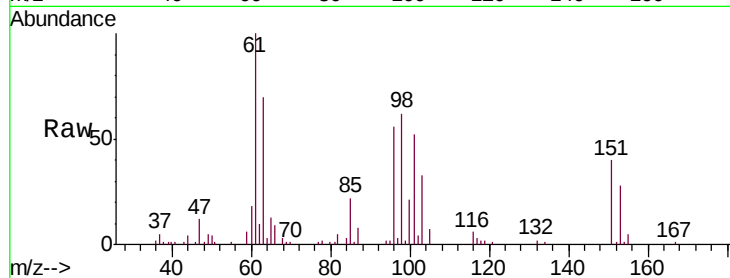
Tgt Ion: 101 Resp: 15763

Ion Ratio Lower Upper

101 100

85 43.6 34.8 52.2

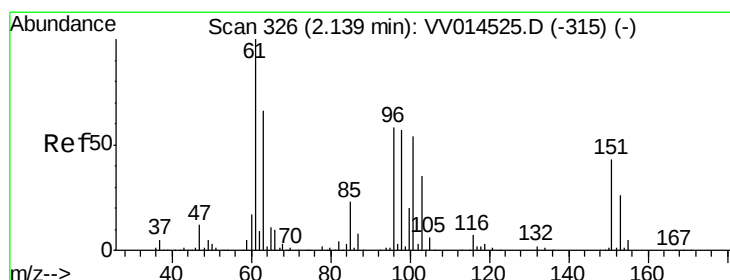
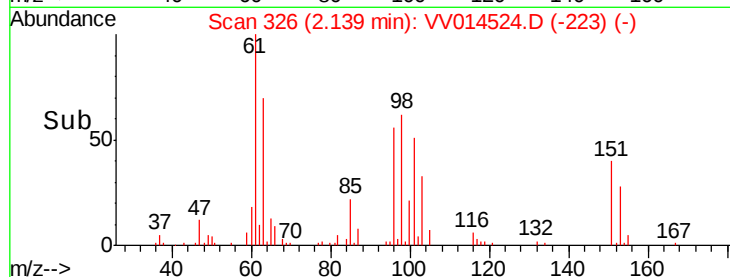
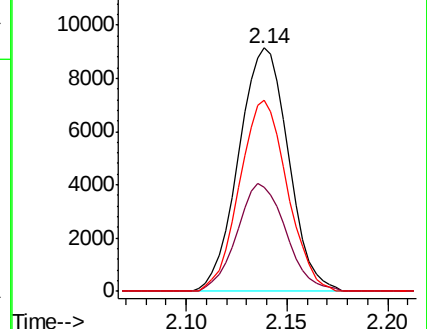
151 75.4 62.9 94.3



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: 3.405 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

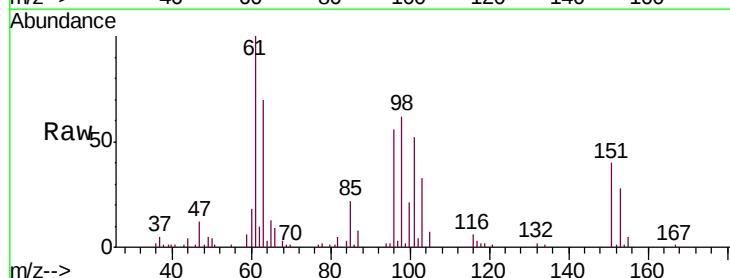
Tgt Ion: 96 Resp: 13967

Ion Ratio Lower Upper

96 100

61 177.3 121.9 226.5

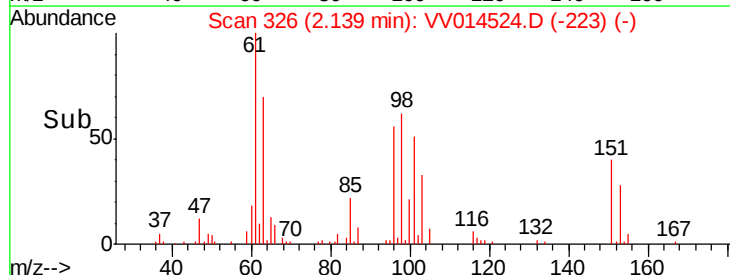
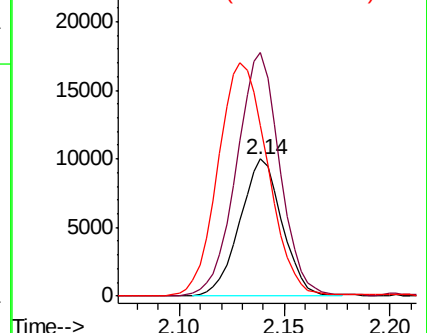
63 124.0 83.2 154.4

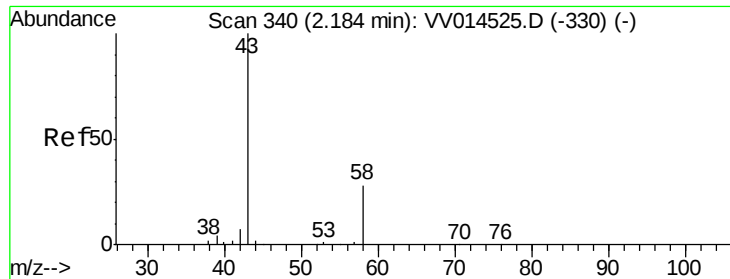


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.805 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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Acq: 06 Feb 2020 18:02

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ClientSampleId :

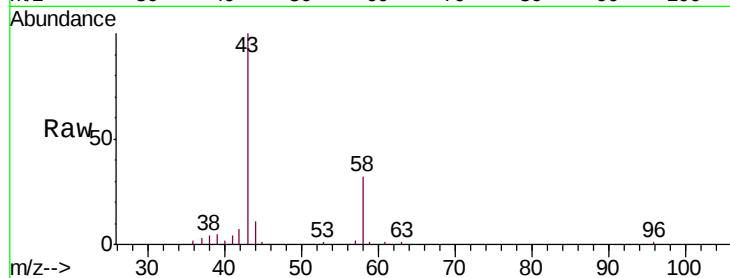
VSTD00562

Tgt Ion: 43 Resp: 15465

Ion Ratio Lower Upper

43 100

58 32.6 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV014525.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014525.D (-330) (-)

12000

10000

8000

6000

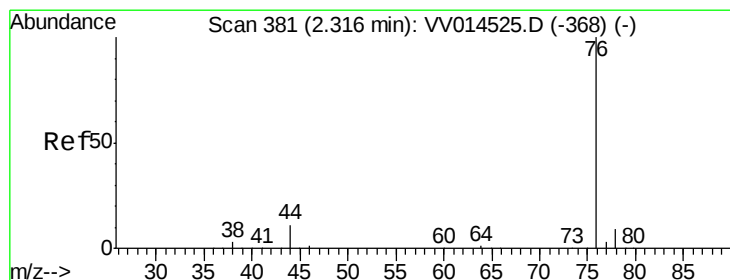
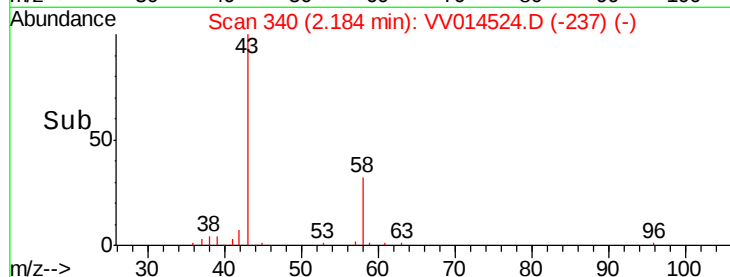
4000

2000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 4.742 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014524.D

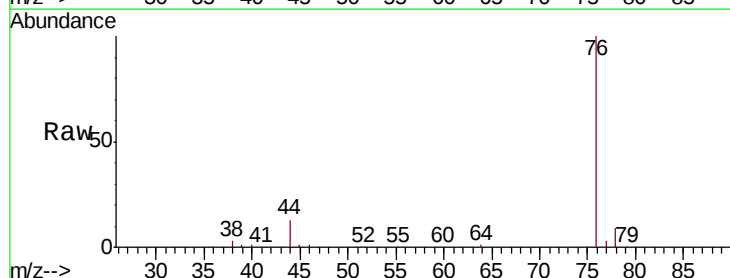
Acq: 06 Feb 2020 18:02

Tgt Ion: 76 Resp: 80124

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV014525.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV014525.D (-368) (-)

60000

50000

40000

30000

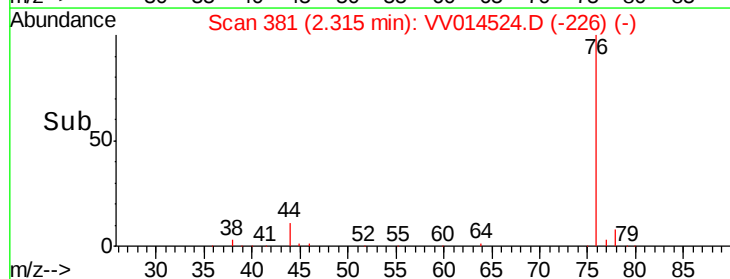
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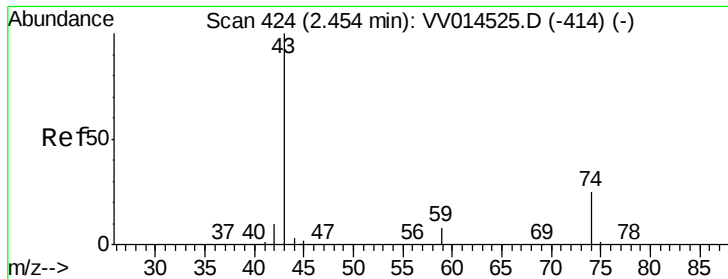
10000

0

2.25 2.30 2.35 2.40

Time-->





#15

Methyl Acetate

Concen: 3.574 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

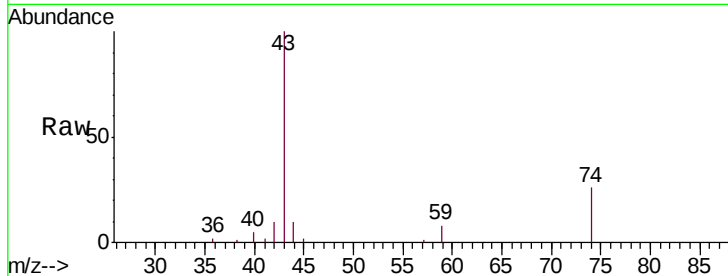
VSTD00562

Tgt Ion: 43 Resp: 14337

Ion Ratio Lower Upper

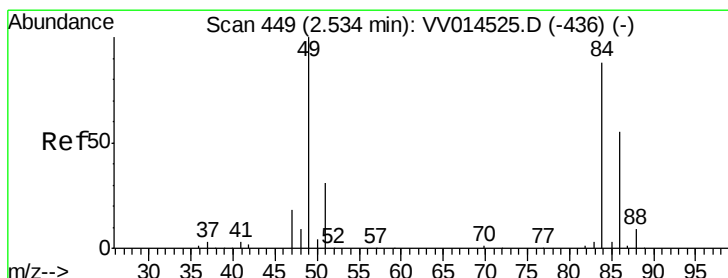
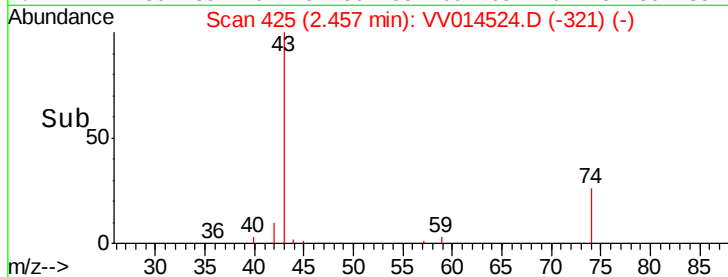
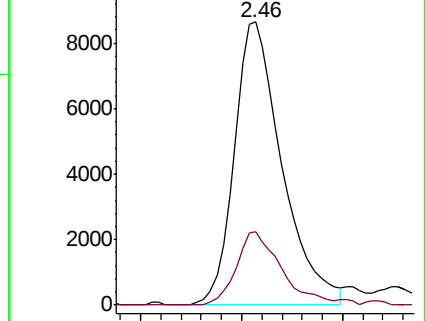
43 100

74 24.4 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV014524.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV014524.D (-414) (-)



#16

Methylene chloride

Concen: 5.115 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

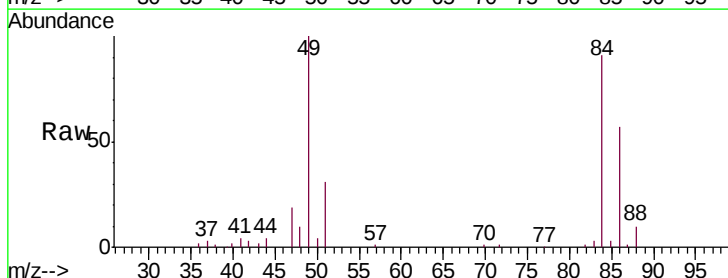
Tgt Ion: 84 Resp: 35016

Ion Ratio Lower Upper

84 100

49 109.4 79.1 146.9

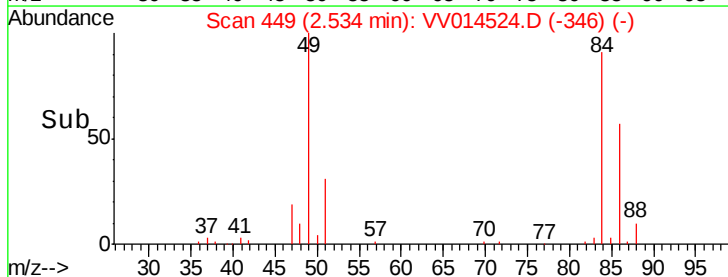
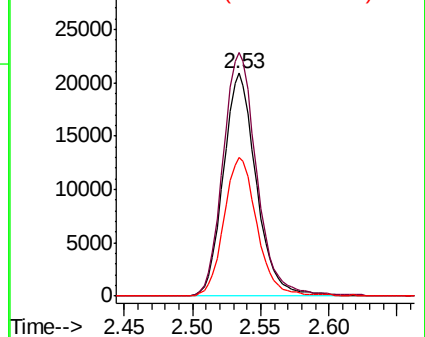
86 62.2 43.9 81.5

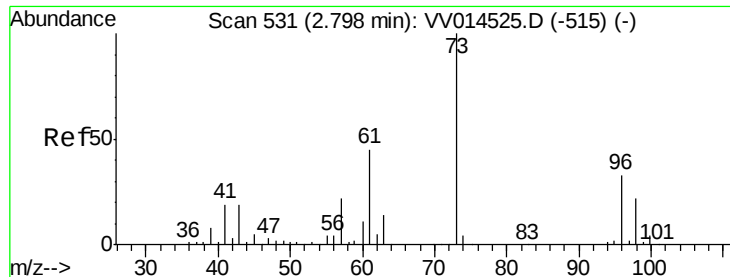


Abundance Ion 84.00 (83.70 to 84.70): VV014524.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV014524.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV014524.D (-346) (-)



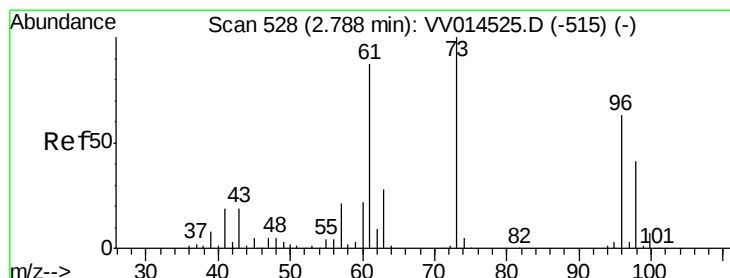
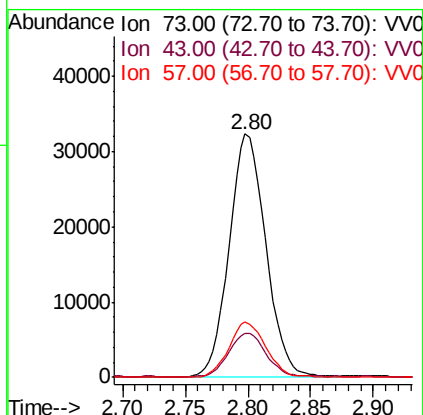
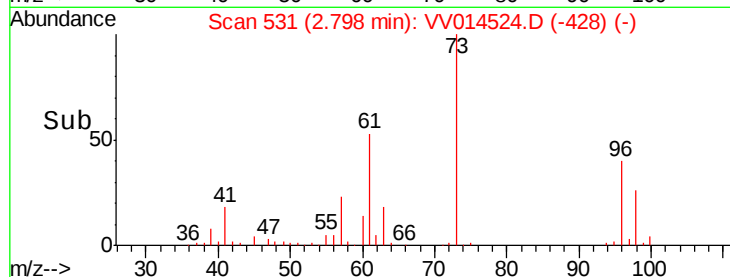
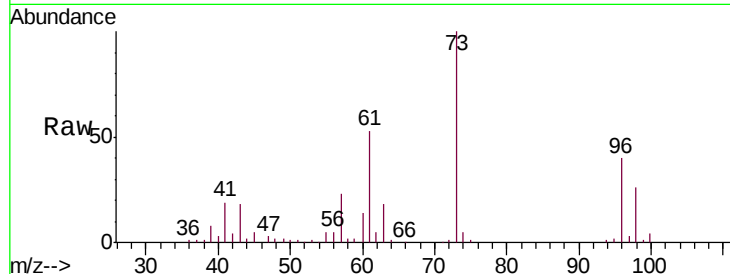


#17

Methyl tert-butyl Ether
 Concen: 4.523 ug/L
 RT: 2.80 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

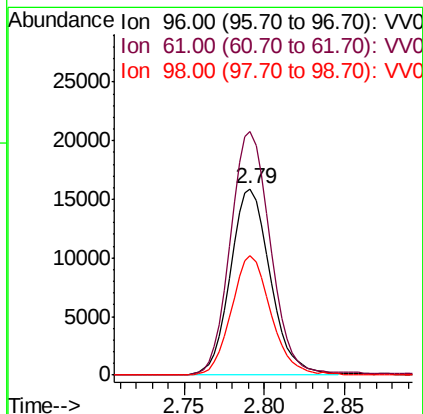
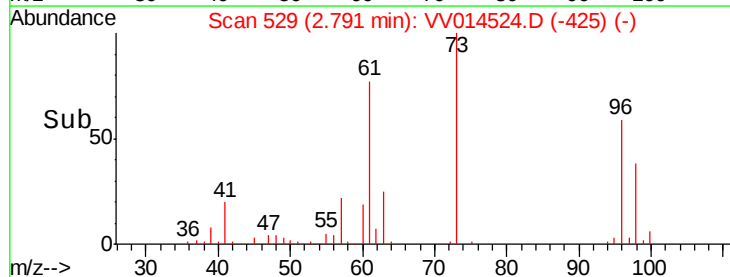
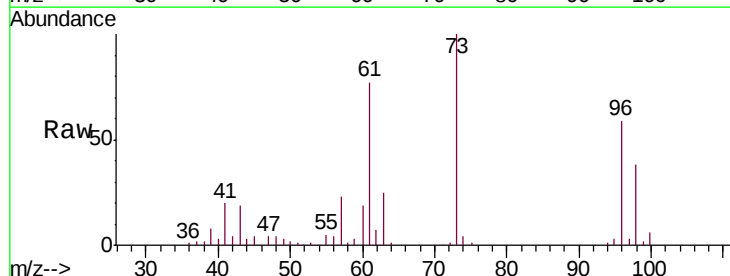
Tgt Ion: 73 Resp: 65968
 Ion Ratio Lower Upper
 73 100
 43 19.0 14.7 22.1
 57 22.7 17.4 26.0

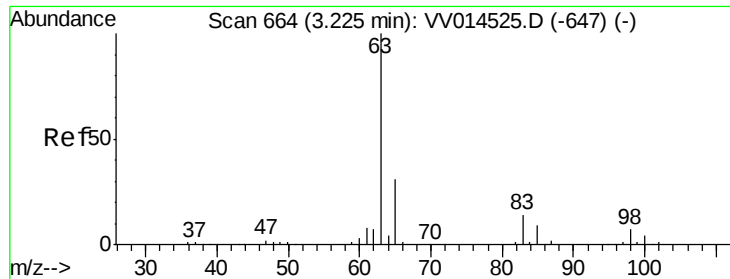


#18

trans-1,2-Dichloroethene
 Concen: 4.650 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Tgt Ion: 96 Resp: 27129
 Ion Ratio Lower Upper
 96 100
 61 130.8 96.2 178.8
 98 64.0 44.8 83.2

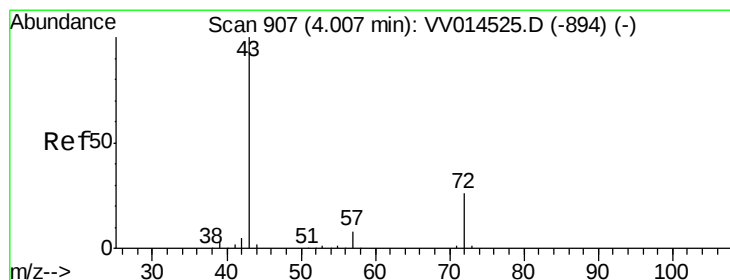
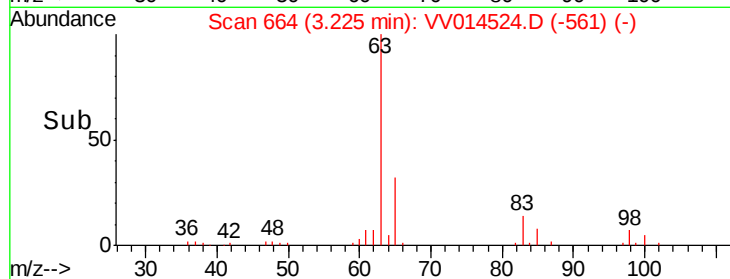
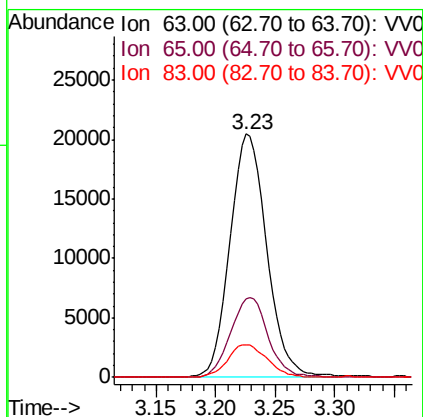
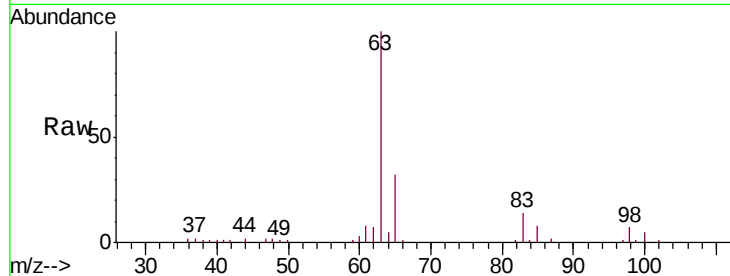




#19
 1,1-Dichloroethane
 Concen: 4.179 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

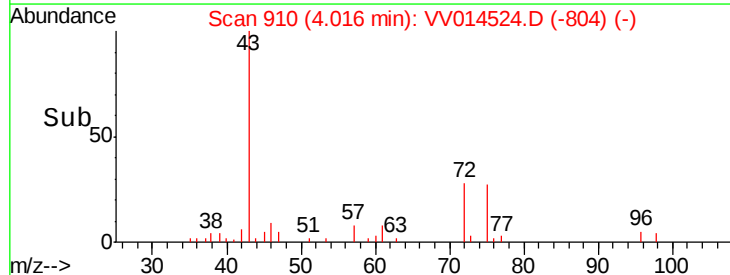
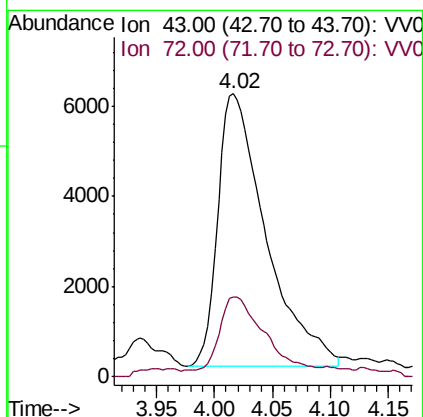
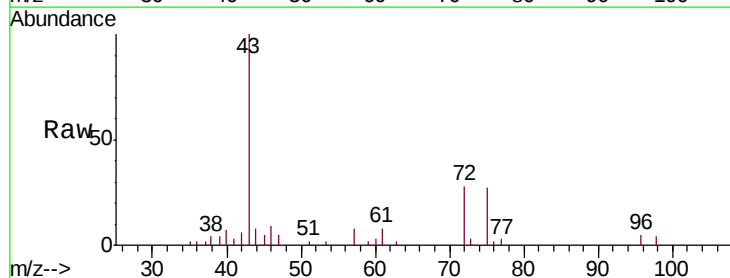
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

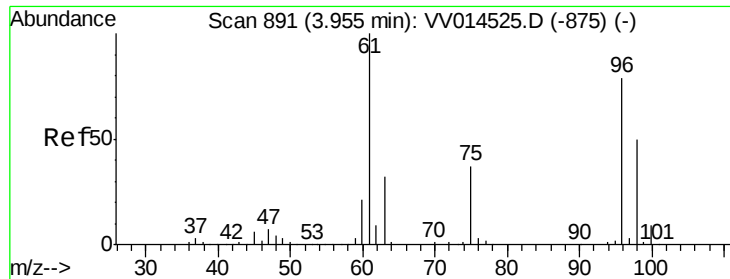
Tgt Ion: 63 Resp: 43953
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.8 40.4
 83 13.5 9.5 17.7



#21
 2-Butanone
 Concen: 6.159 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Tgt Ion: 43 Resp: 17396
 Ion Ratio Lower Upper
 43 100
 72 29.3 13.5 40.4

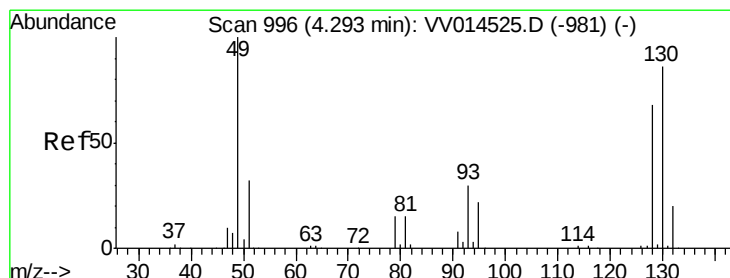
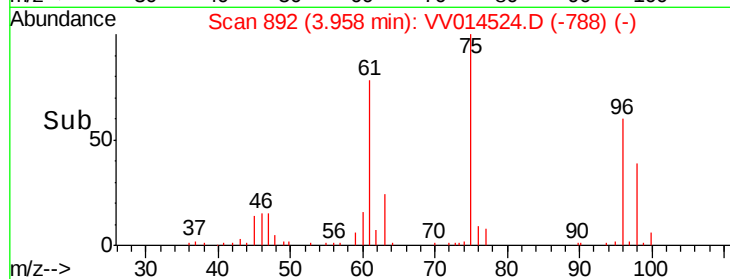
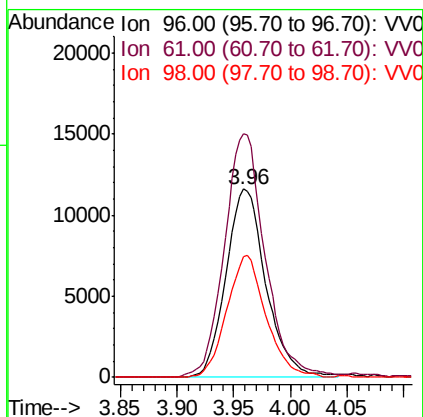
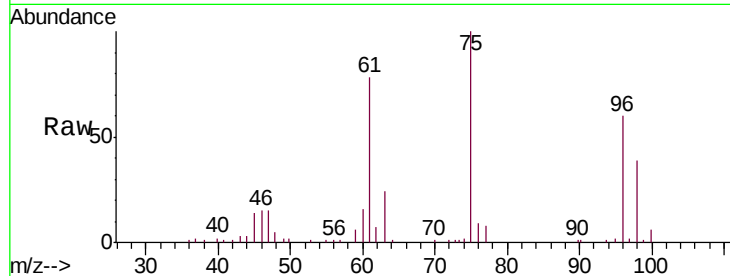




#22
 cis-1,2-Dichloroethene
 Concen: 4.599 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

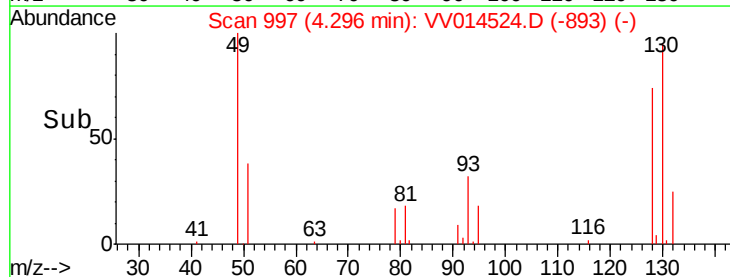
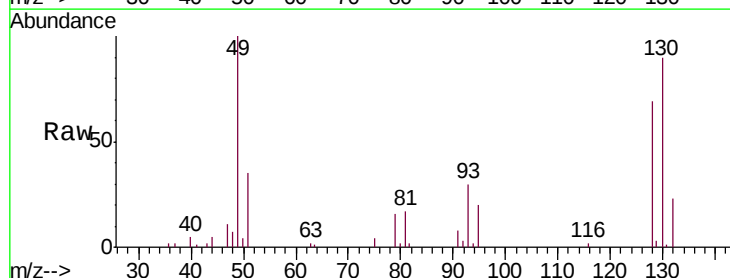
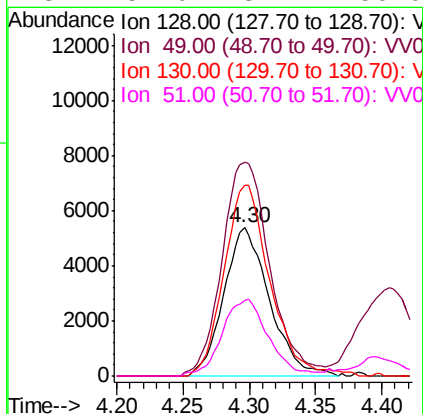
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

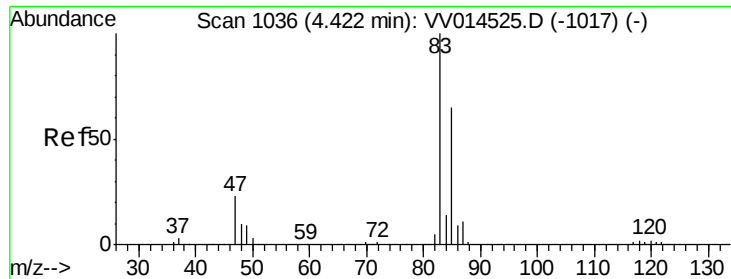
Tgt Ion: 96 Resp: 28556
 Ion Ratio Lower Upper
 96 100
 61 129.4 88.4 164.2
 98 64.0 44.0 81.8



#23
 Bromochloromethane
 Concen: 4.386 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Tgt Ion: 128 Resp: 12923
 Ion Ratio Lower Upper
 128 100
 49 144.3 103.7 192.7
 130 129.2 88.6 164.6
 51 51.0 37.4 56.0

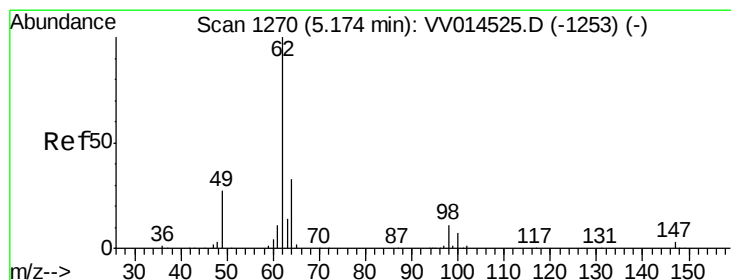
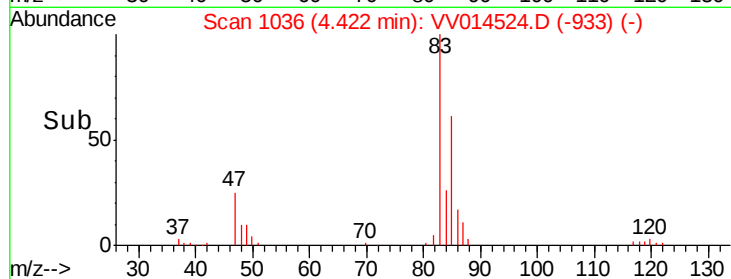
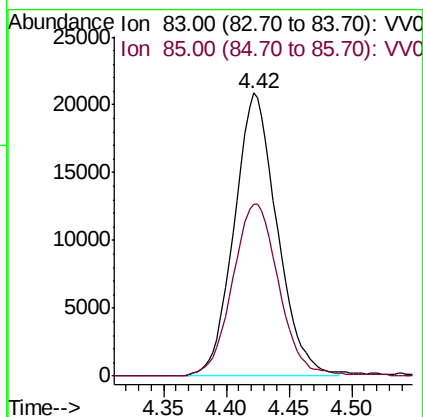
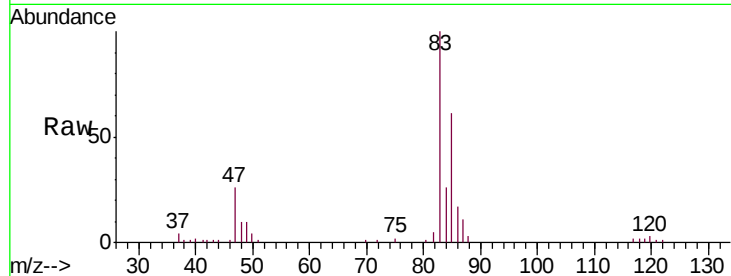




#25
Chloroform
Concen: 4.508 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

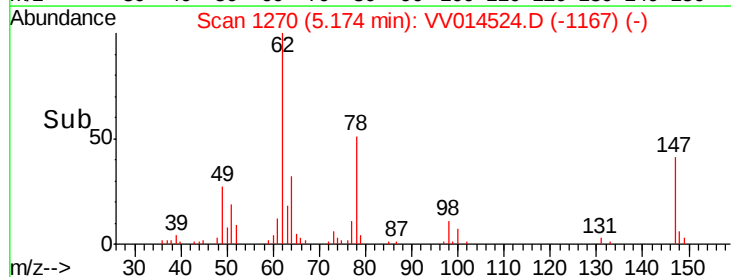
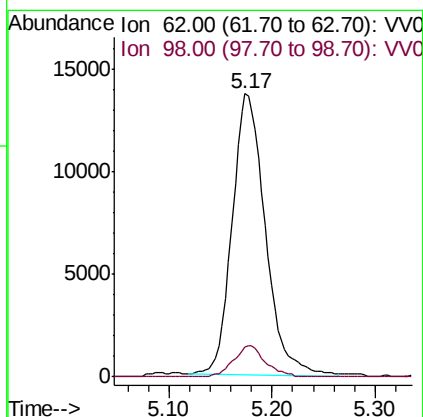
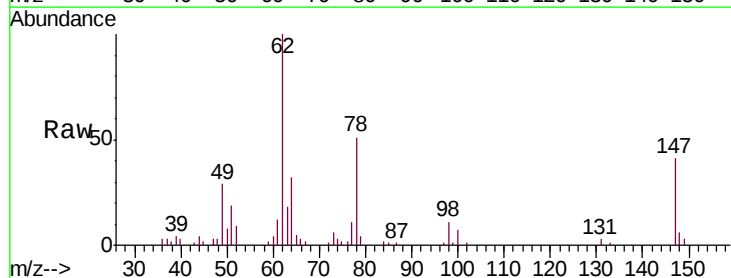
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

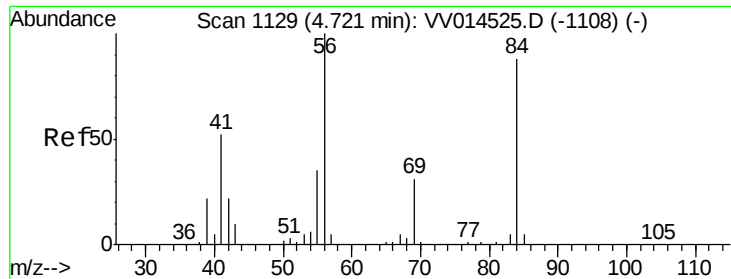
Tgt Ion: 83 Resp: 49696
Ion Ratio Lower Upper
83 100
85 65.5 46.3 86.1



#27
1,2-Dichloroethane
Concen: 4.103 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

Tgt Ion: 62 Resp: 30676
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7

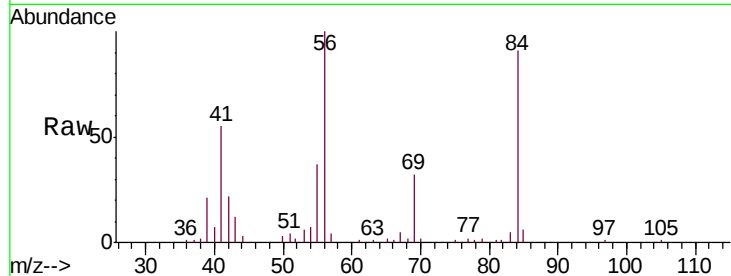




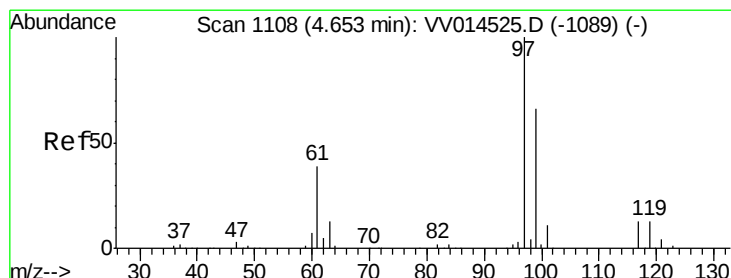
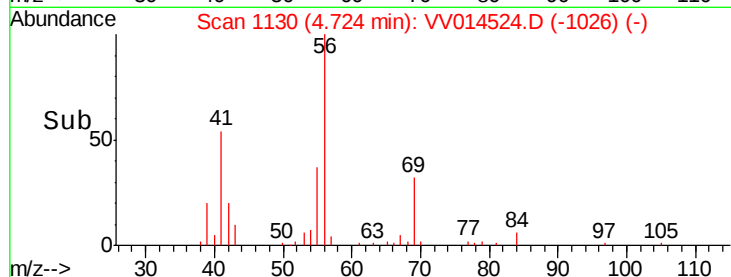
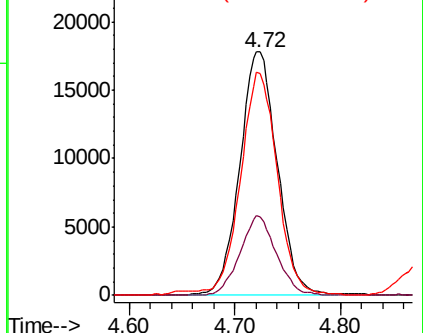
#30
Cyclohexane
Concen: 4.725 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

Tgt Ion: 56 Resp: 44018
Ion Ratio Lower Upper
56 100
69 31.5 25.3 37.9
84 89.1 71.9 107.9

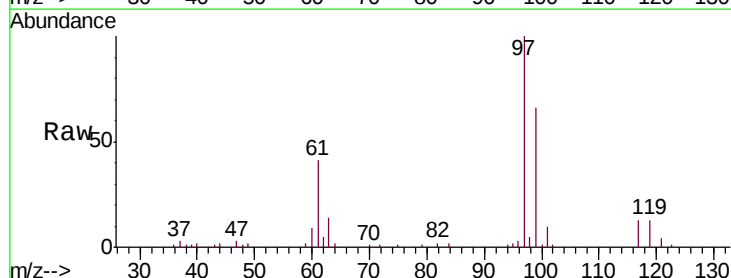


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

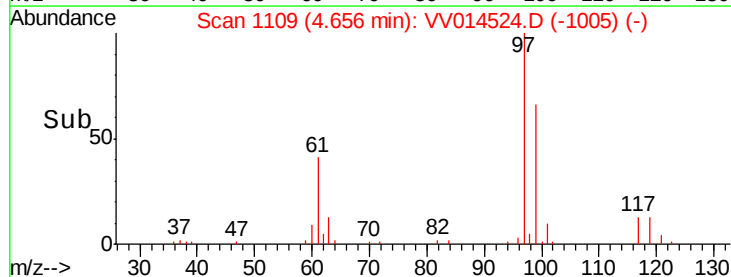
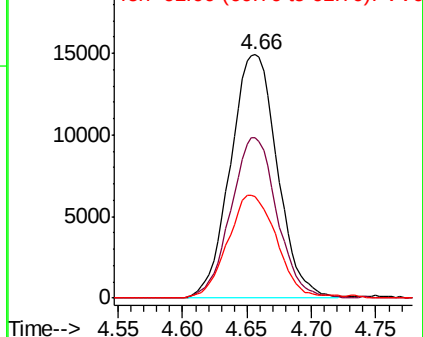


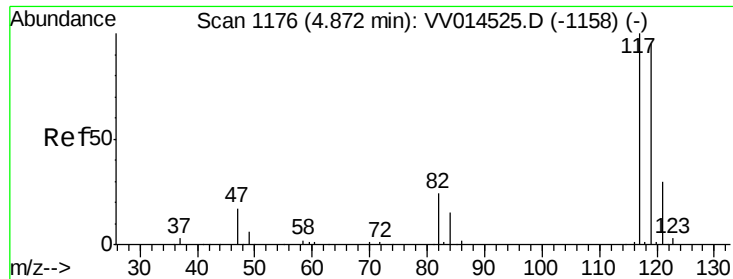
#31
1,1,1-Trichloroethane
Concen: 4.291 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

Tgt Ion: 97 Resp: 37717
Ion Ratio Lower Upper
97 100
99 64.9 51.5 77.3
61 44.0 31.8 47.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 4.393 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

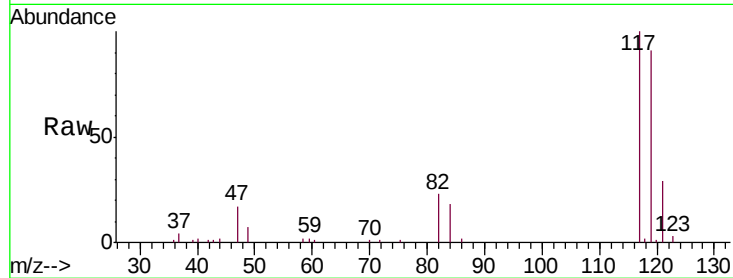
VSTD00562

Tgt Ion:117 Resp: 34153

Ion Ratio Lower Upper

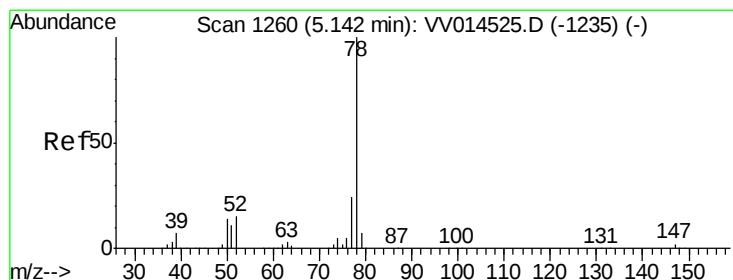
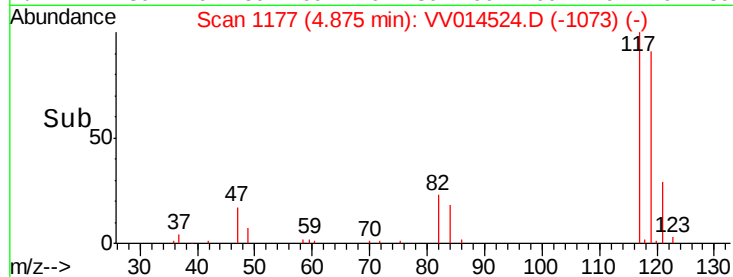
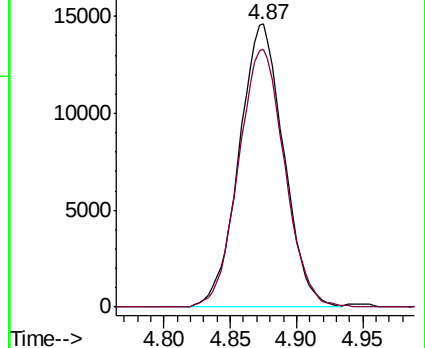
117 100

119 94.3 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 4.384 ug/L

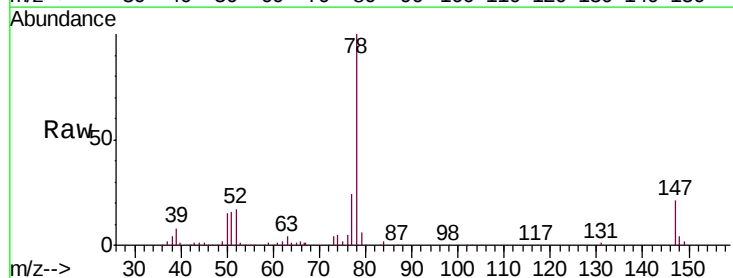
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

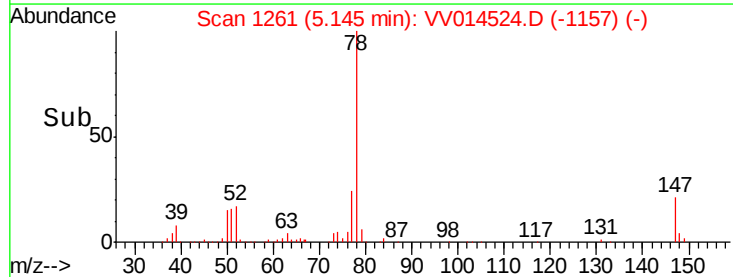
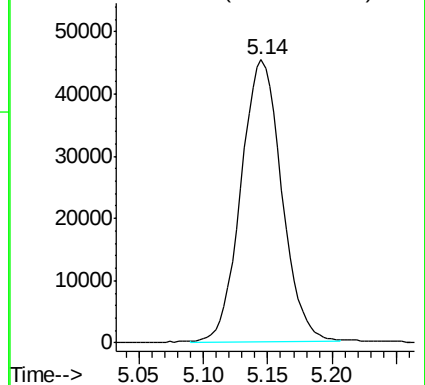
Lab File: VV014524.D

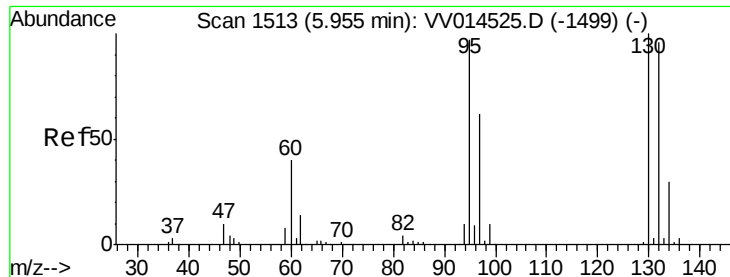
Acq: 06 Feb 2020 18:02

Tgt Ion: 78 Resp: 99743



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 4.518 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion: 95 Resp: 27664

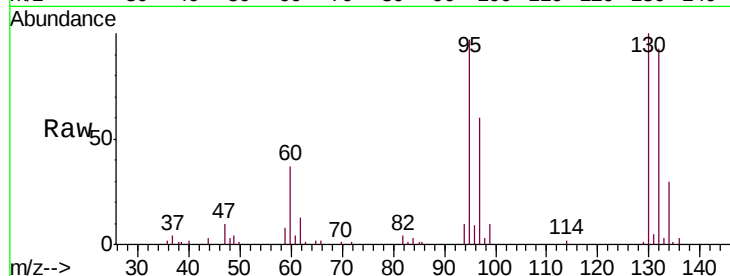
Ion Ratio Lower Upper

95 100

97 62.0 44.6 82.8

132 94.8 68.5 127.1

130 101.2 71.5 132.9

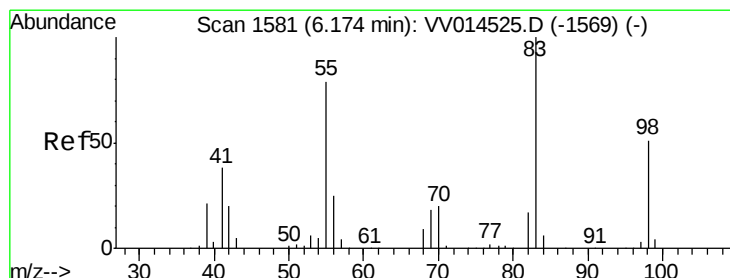
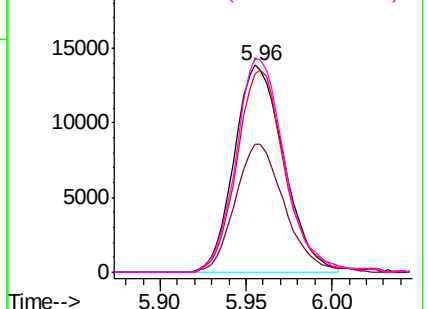
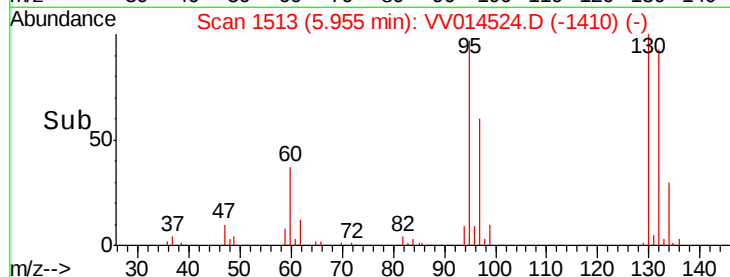


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 4.955 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

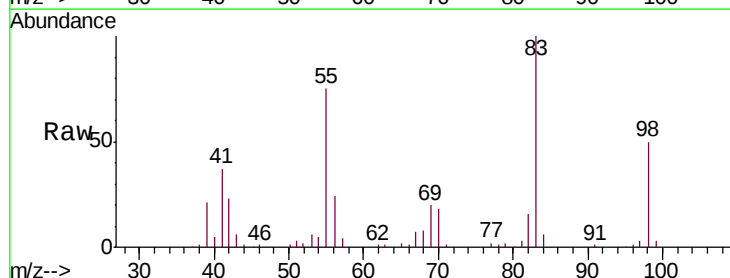
Tgt Ion: 83 Resp: 47835

Ion Ratio Lower Upper

83 100

55 77.3 59.8 89.6

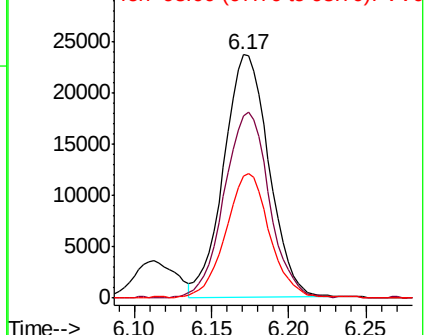
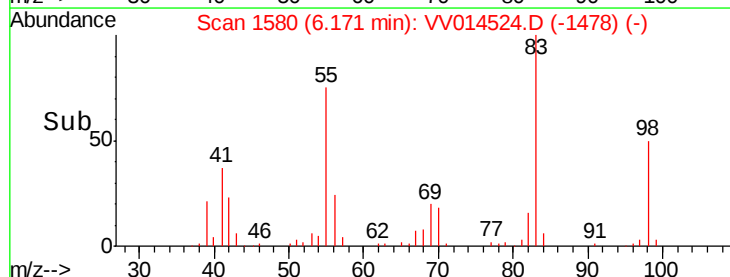
98 50.2 39.9 59.9

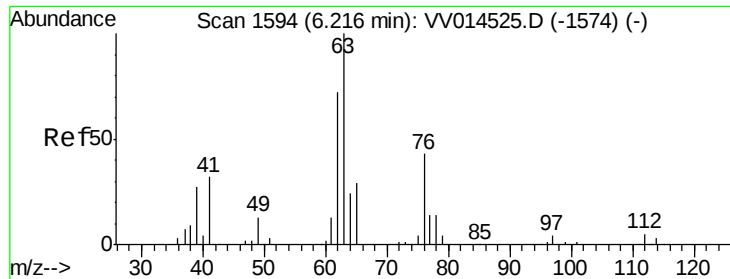


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

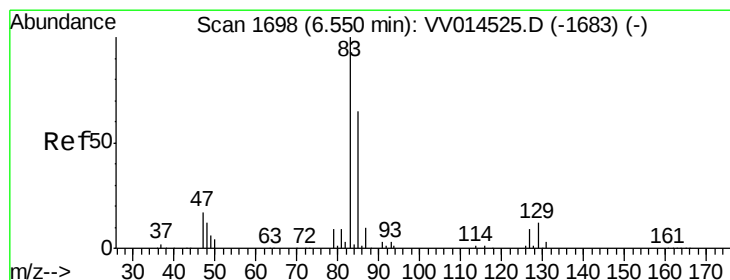
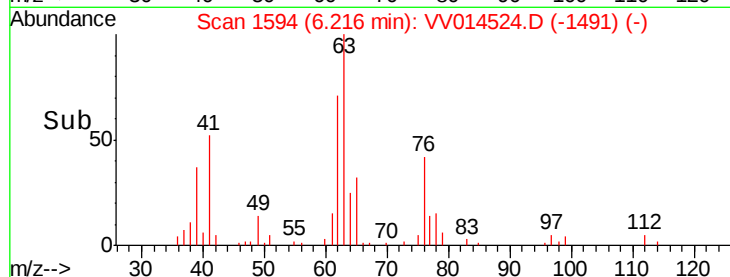
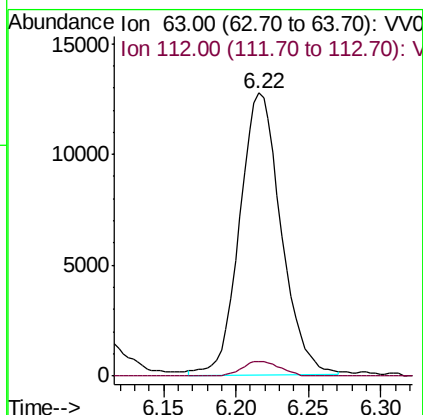
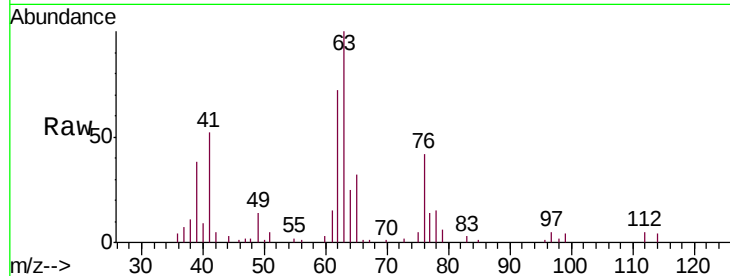




#40
 1,2-Dichloropropane
 Concen: 4.393 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

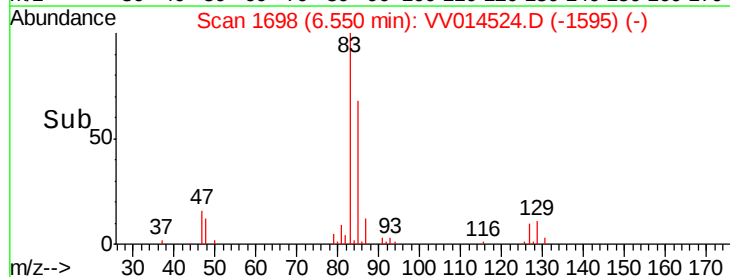
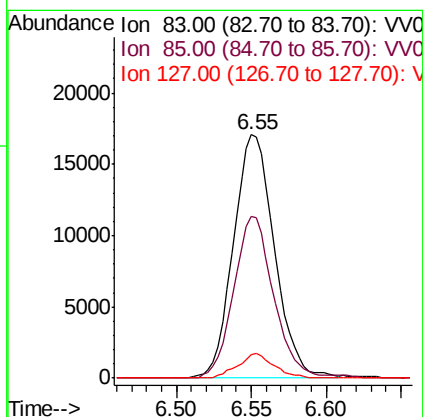
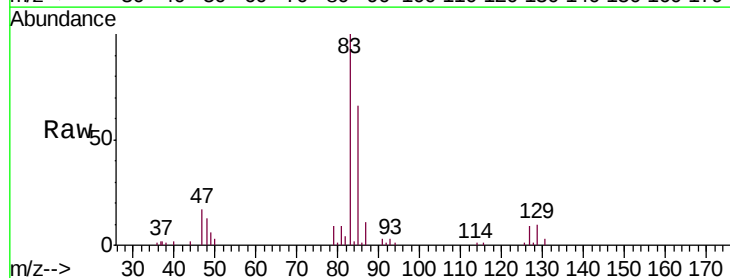
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00562

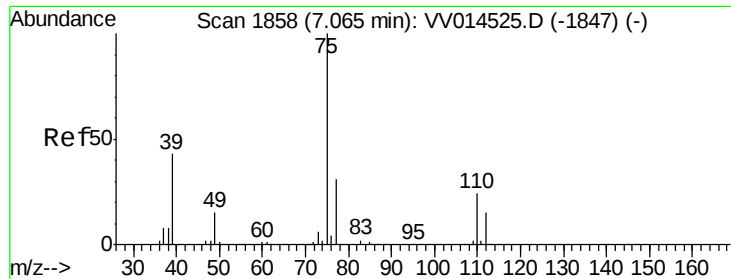
Tgt Ion: 63 Resp: 25225
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 4.368 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Tgt Ion: 83 Resp: 32597
 Ion Ratio Lower Upper
 83 100
 85 66.5 45.1 83.9
 127 9.5 7.4 11.0

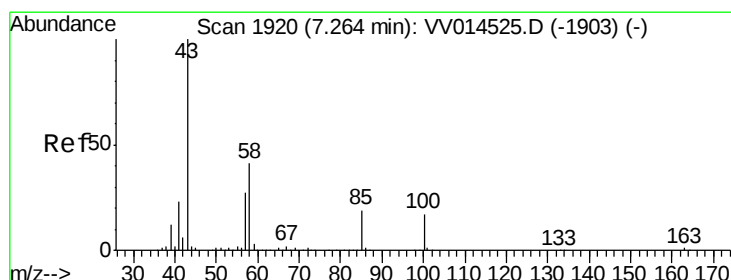
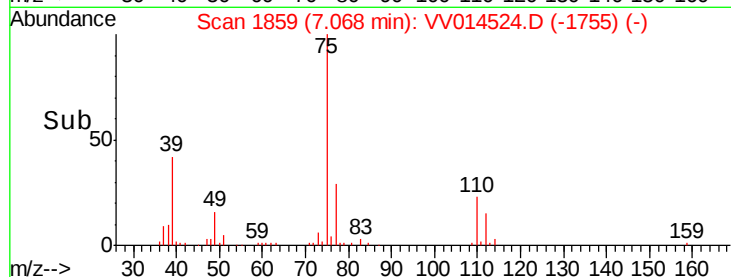
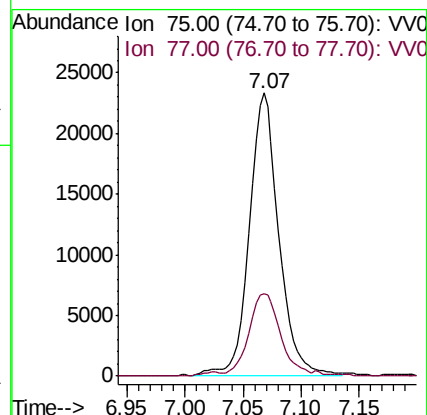
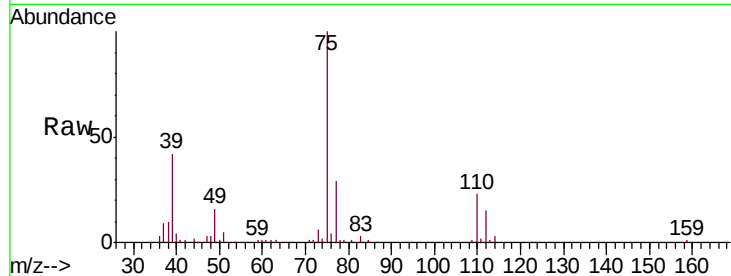




#42
 cis-1,3-Dichloropropene
 Concen: 4.766 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

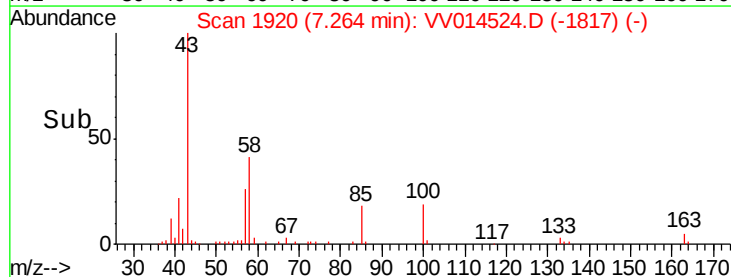
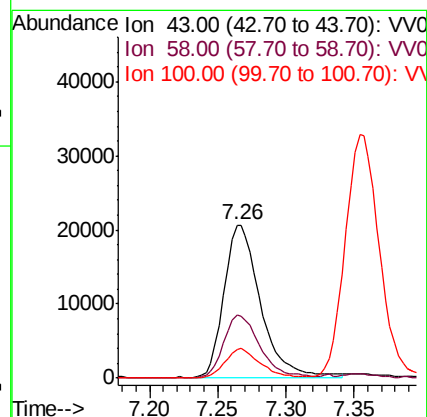
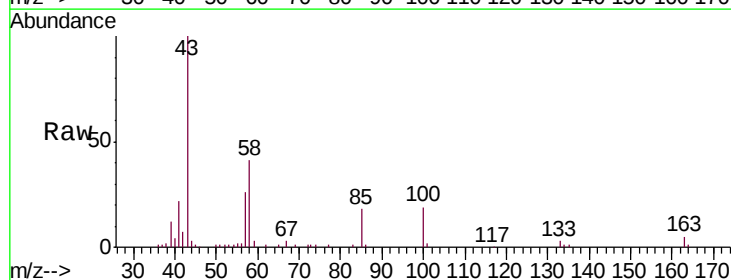
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

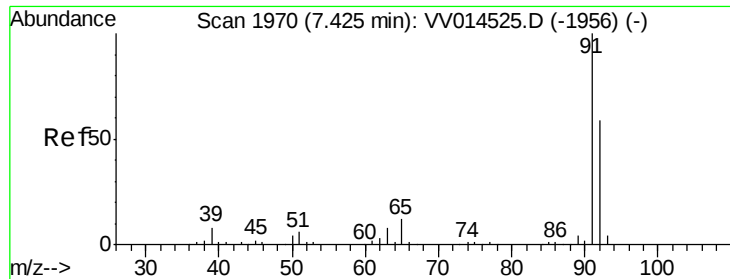
Tgt Ion: 75 Resp: 41694
 Ion Ratio Lower Upper
 75 100
 77 29.1 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 7.607 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Tgt Ion: 43 Resp: 38740
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.1 49.7
 100 18.7 14.0 21.0





#44

Toluene

Concen: 4.754 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

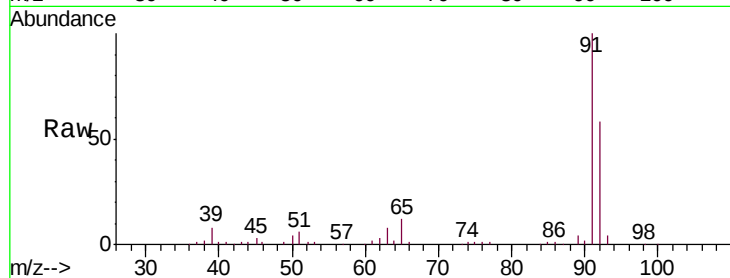
VSTD00562

Tgt Ion: 91 Resp: 111054

Ion Ratio Lower Upper

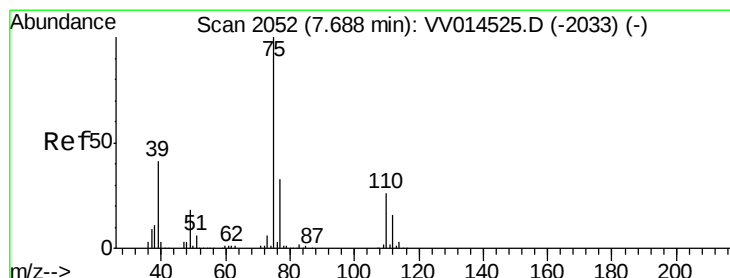
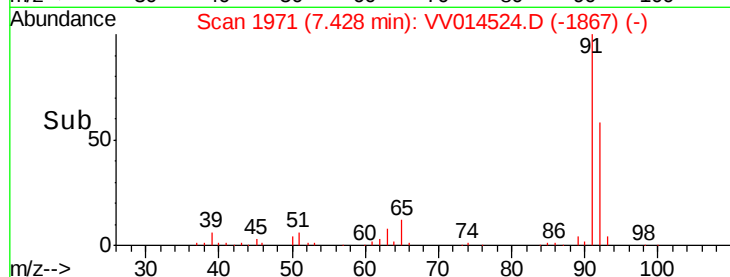
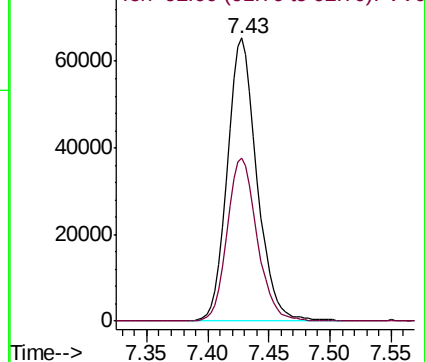
91 100

92 57.8 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 4.595 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014524.D

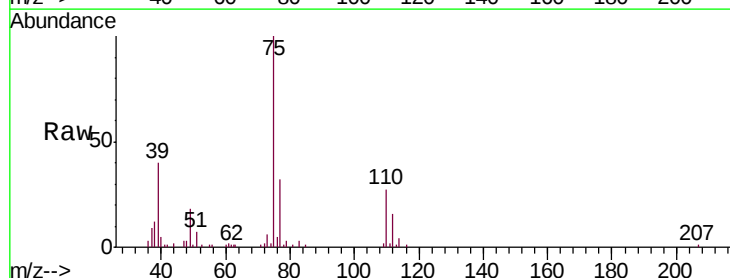
Acq: 06 Feb 2020 18:02

Tgt Ion: 75 Resp: 34175

Ion Ratio Lower Upper

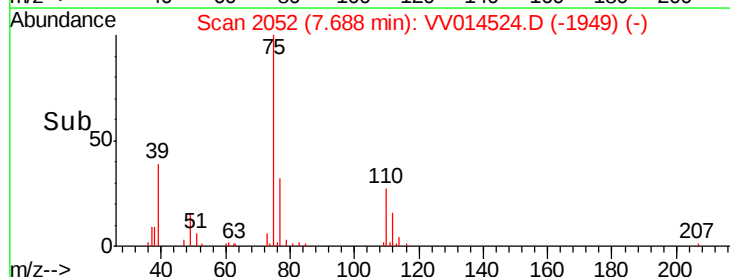
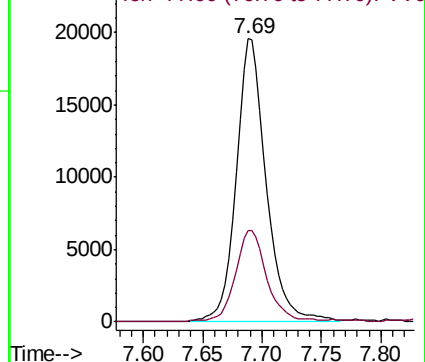
75 100

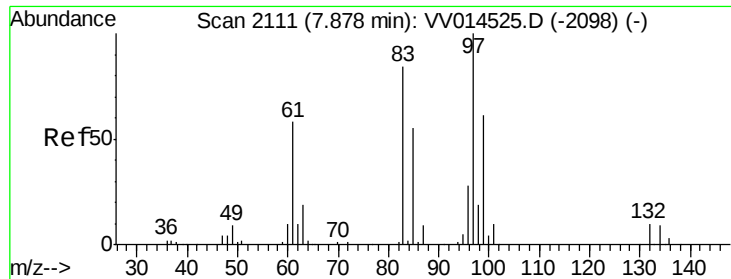
77 32.3 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

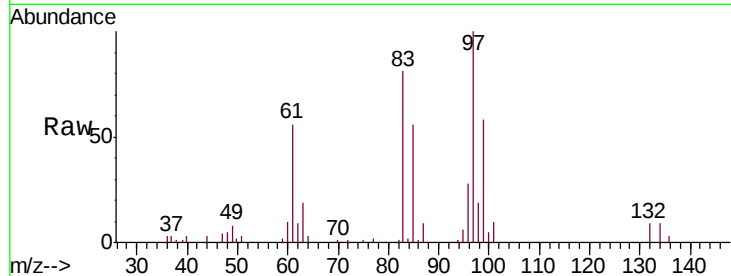




#46
 1,1,2-Trichloroethane
 Concen: 4.676 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

Tgt Ion:	97	Resp:	21638
Ion	Ratio	Lower	Upper
97	100		
83	81.1	59.0	109.6
85	55.6	38.6	71.8
99	57.7	42.7	79.3



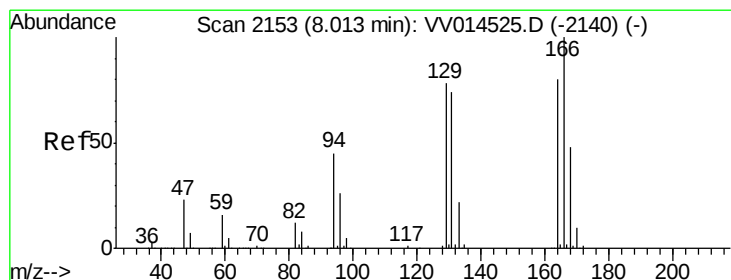
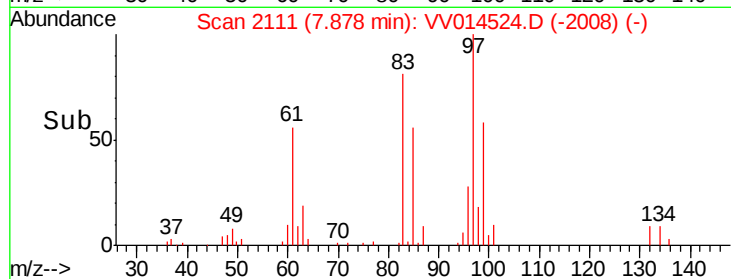
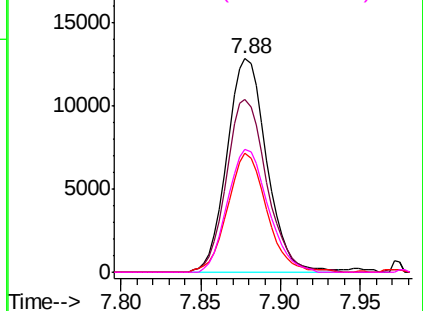
Abundance

Ion 97.00 (96.70 to 97.70): VV014524.D (-2098) (-)

Ion 83.00 (82.70 to 83.70): VV014524.D (-2098) (-)

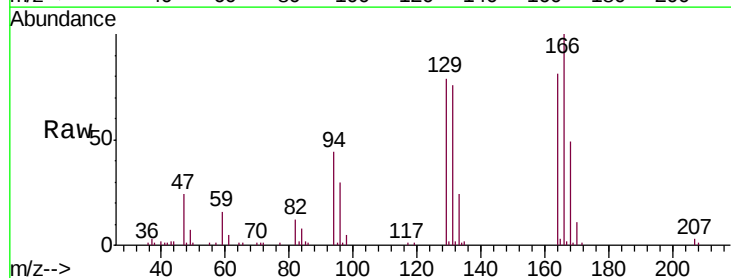
Ion 85.00 (84.70 to 85.70): VV014524.D (-2098) (-)

Ion 99.00 (98.70 to 99.70): VV014524.D (-2098) (-)



#47
 Tetrachloroethene
 Concen: 4.190 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Tgt Ion:	164	Resp:	21329
Ion	Ratio	Lower	Upper
164	100		
129	97.8	68.7	127.7
131	94.2	64.9	120.5
166	123.8	87.8	163.0



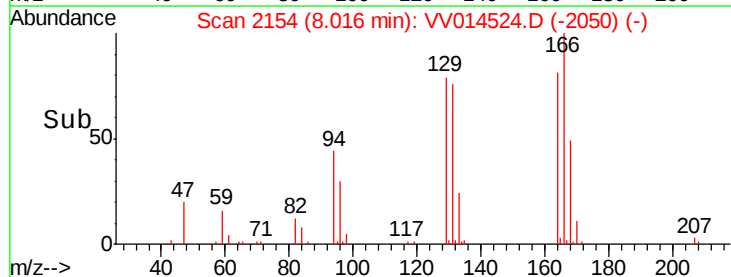
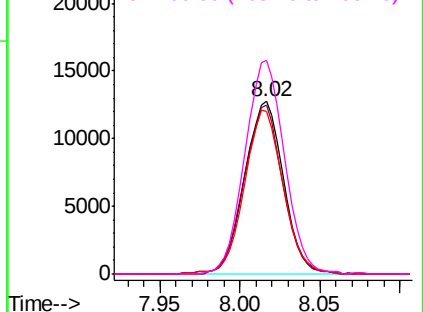
Abundance

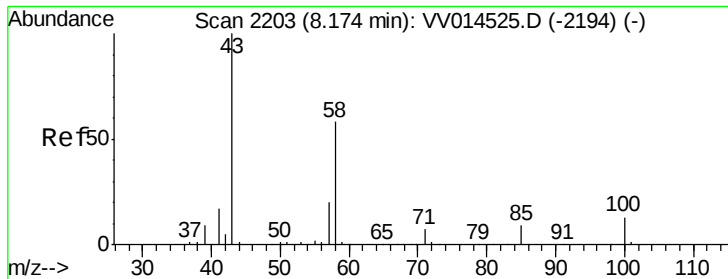
Ion 164.00 (163.70 to 164.70): VV014524.D (-2050) (-)

Ion 129.00 (128.70 to 129.70): VV014524.D (-2050) (-)

Ion 131.00 (130.70 to 131.70): VV014524.D (-2050) (-)

Ion 166.00 (165.70 to 166.70): VV014524.D (-2050) (-)

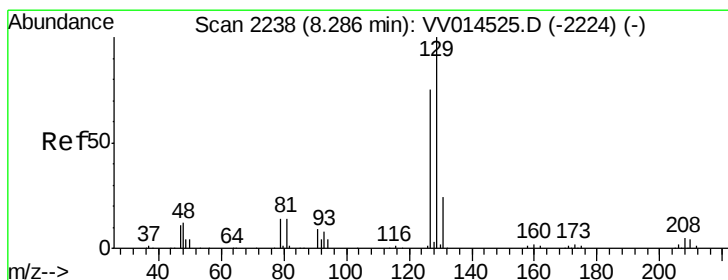
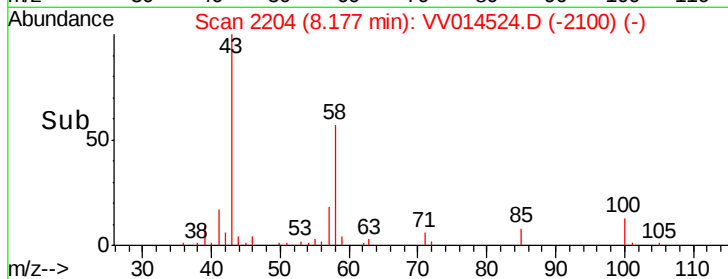
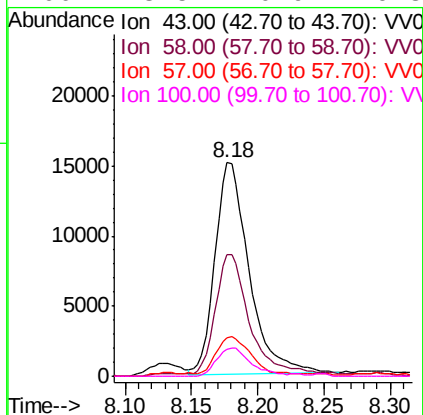
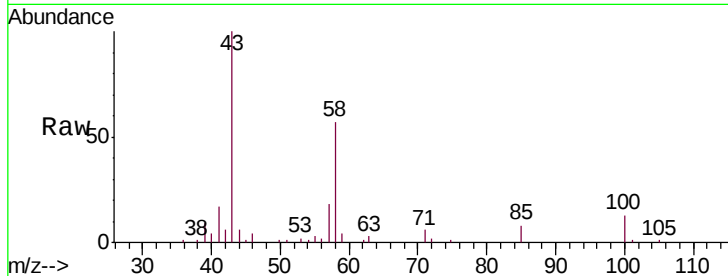




#49
2-Hexanone
Concen: 7.276 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

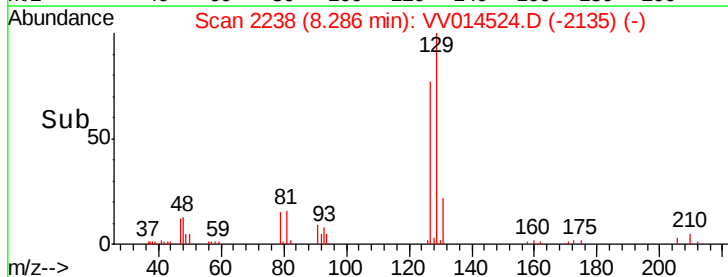
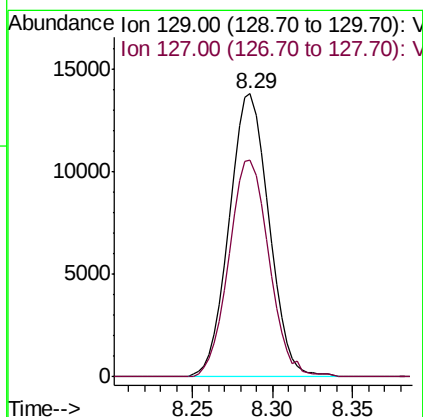
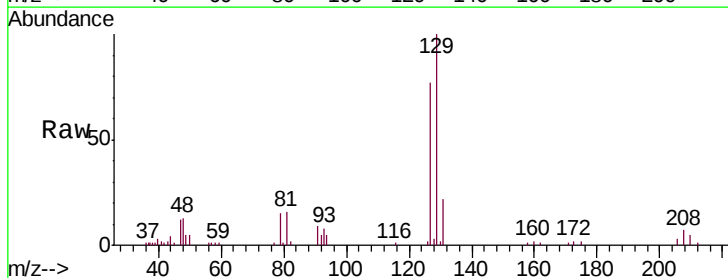
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

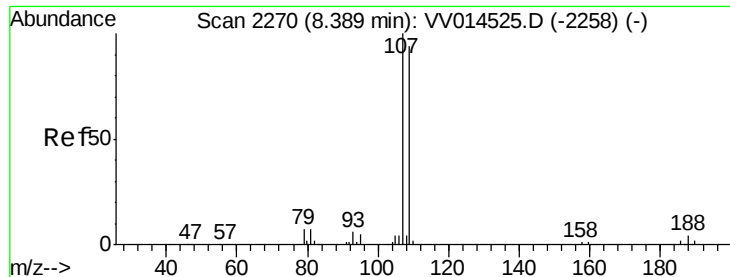
Tgt Ion:	43	Resp:	27081
Ion	Ratio	Lower	Upper
43	100		
58	59.1	46.9	70.3
57	17.8	15.6	23.4
100	13.5	10.9	16.3



#50
Dibromochloromethane
Concen: 4.241 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

Tgt Ion:	129	Resp:	23456
Ion	Ratio	Lower	Upper
129	100		
127	76.7	52.5	97.5

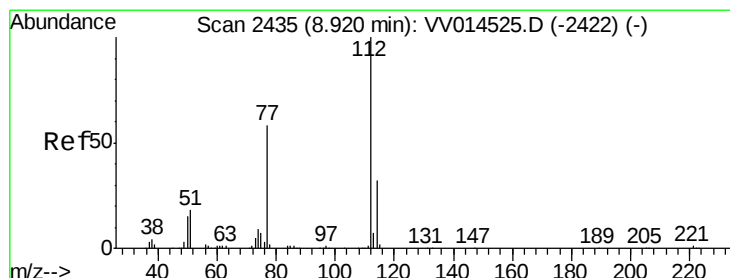
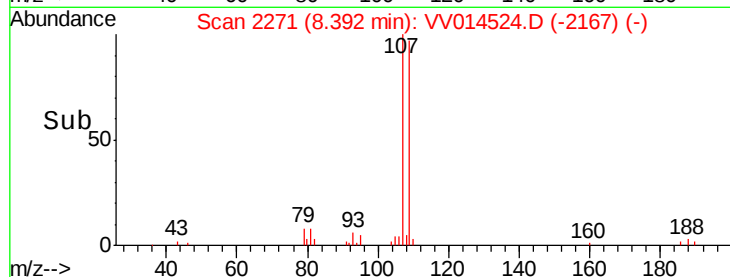
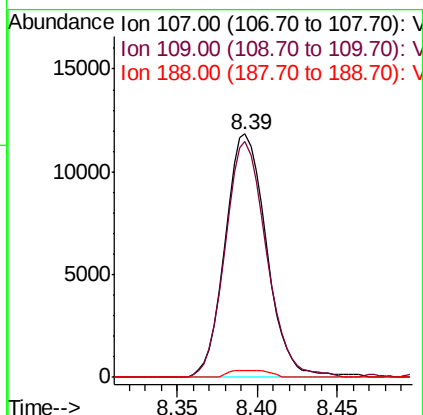
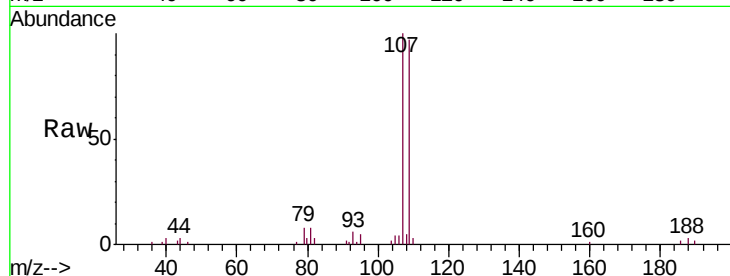




#51
 1,2-Dibromoethane
 Concen: 4.363 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

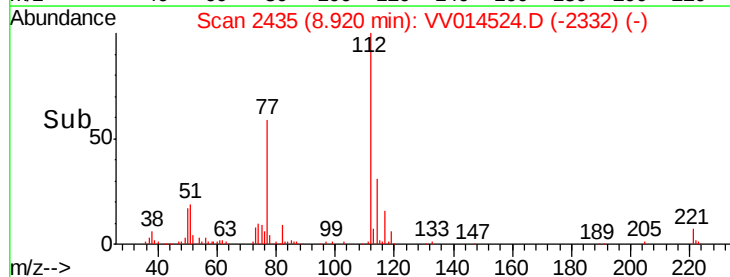
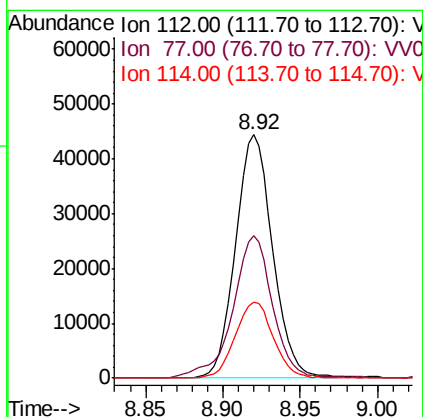
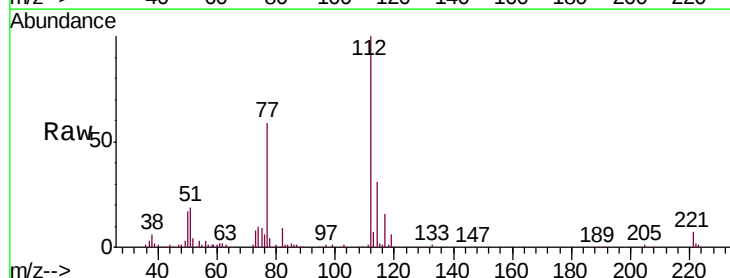
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

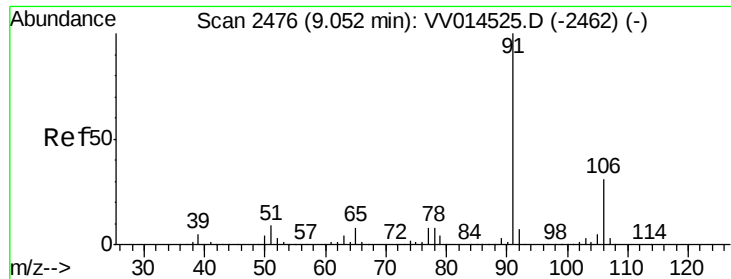
Tgt Ion:107 Resp: 20853
 Ion Ratio Lower Upper
 107 100
 109 96.6 66.0 122.6
 188 2.7 2.9 4.3#



#52
 Chlorobenzene
 Concen: 4.676 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Tgt Ion:112 Resp: 73941
 Ion Ratio Lower Upper
 112 100
 77 58.7 46.7 70.1
 114 31.4 22.7 42.1

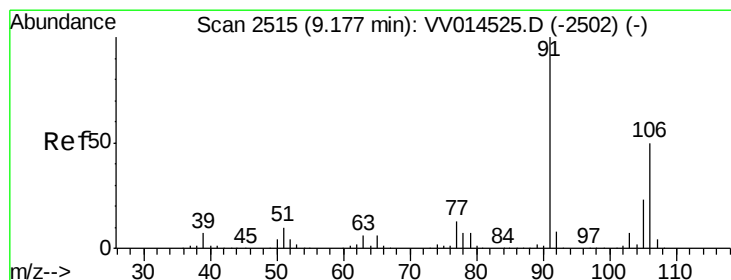
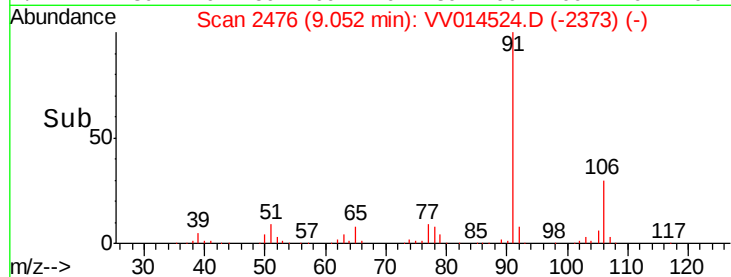
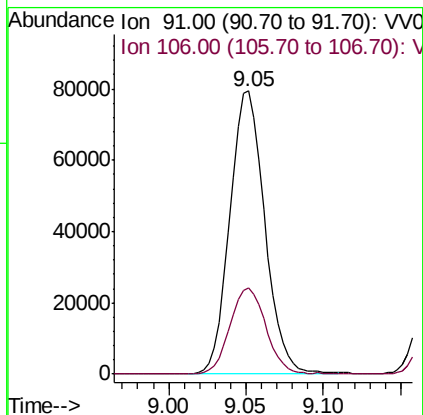
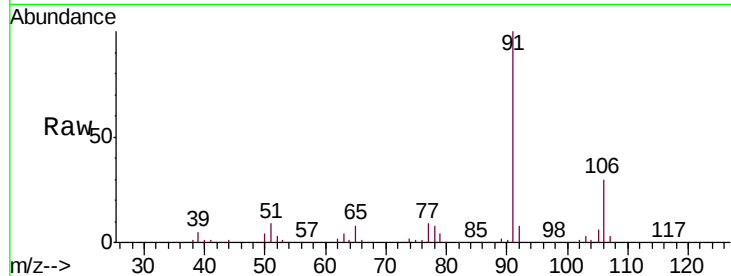




#53
Ethylbenzene
Concen: 4.832 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

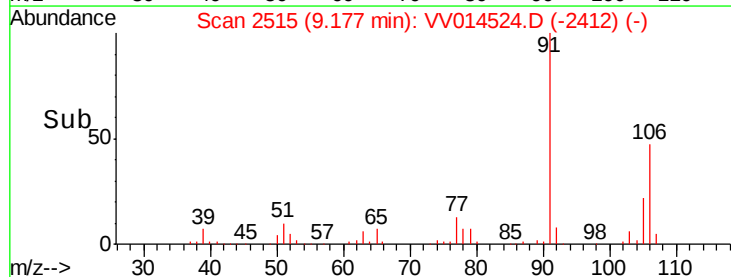
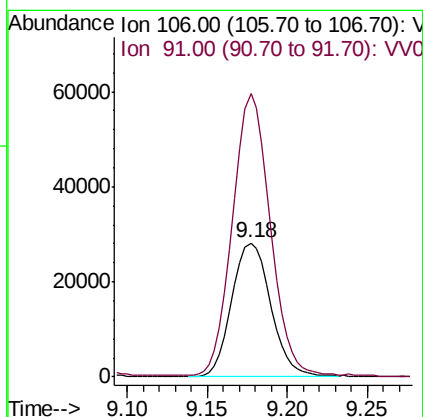
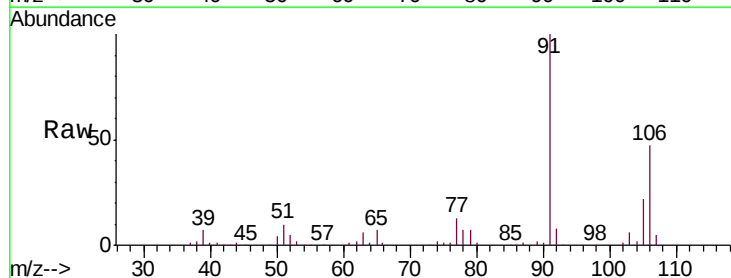
Instrument :
MSVOA_V
ClientSampleId :
VSTD00562

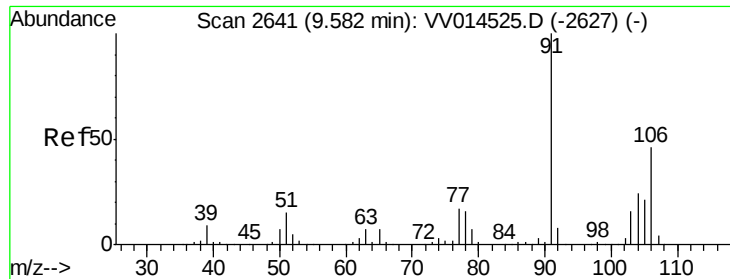
Tgt Ion: 91 Resp: 124404
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.4



#54
m,p-Xylene
Concen: 4.794 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV014524.D
Acq: 06 Feb 2020 18:02

Tgt Ion: 106 Resp: 46493
Ion Ratio Lower Upper
106 100
91 211.4 141.1 262.0





#55

o-xylene

Concen: 4.994 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

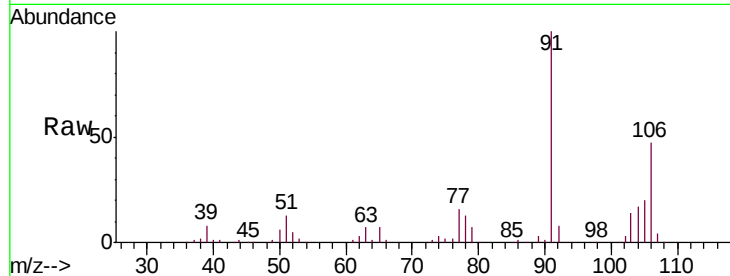
VSTD00562

Tgt Ion:106 Resp: 46452

Ion Ratio Lower Upper

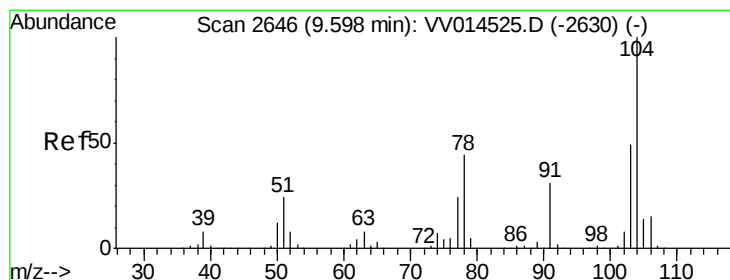
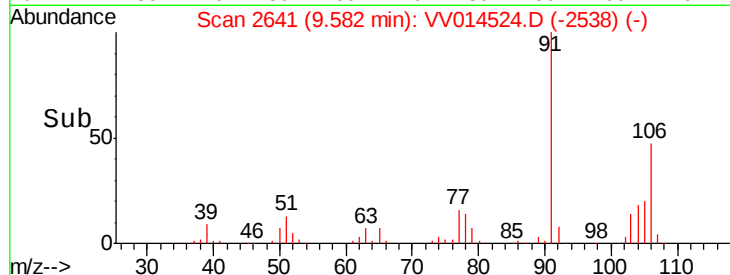
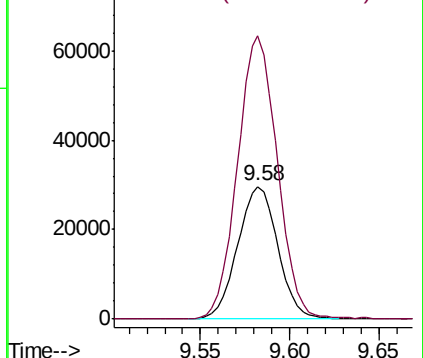
106 100

91 213.0 152.3 282.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 4.693 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014524.D

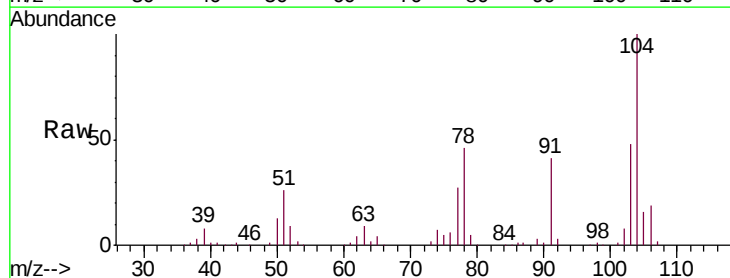
Acq: 06 Feb 2020 18:02

Tgt Ion:104 Resp: 75221

Ion Ratio Lower Upper

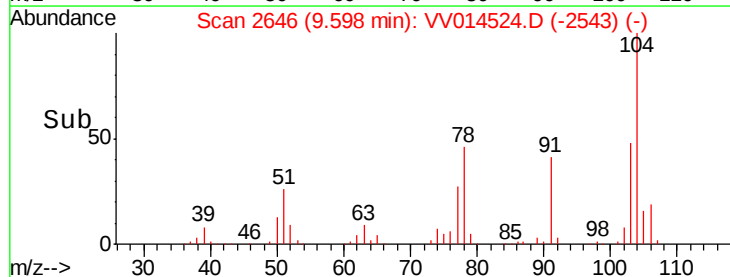
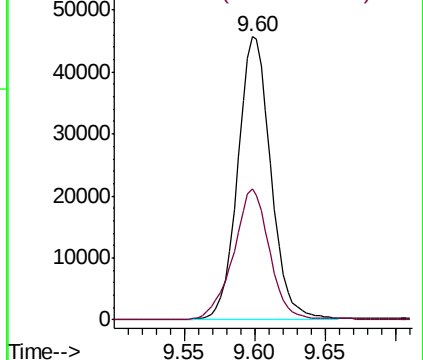
104 100

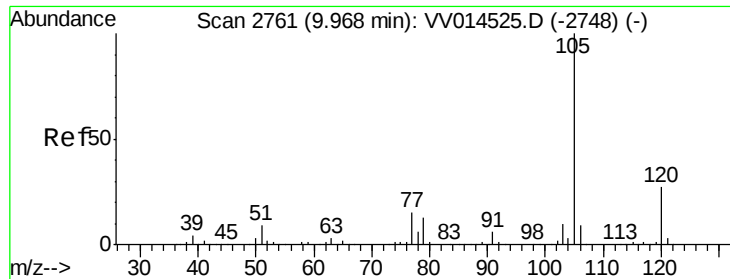
78 46.2 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 4.944 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

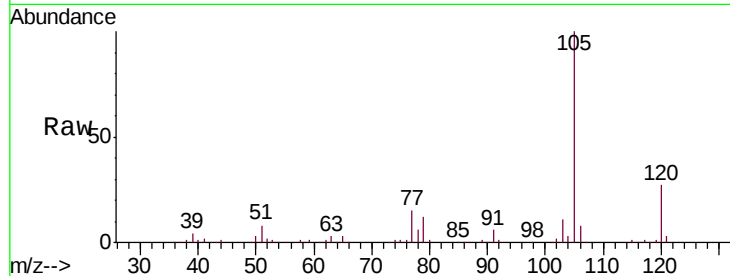
Tgt Ion: 105 Resp: 122203

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.0

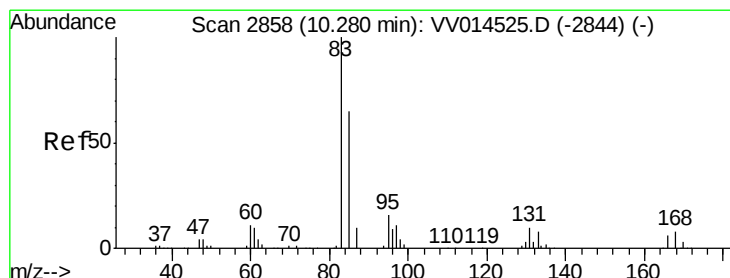
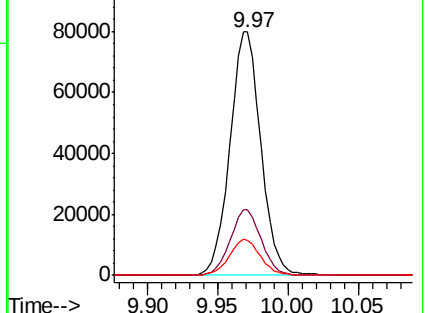
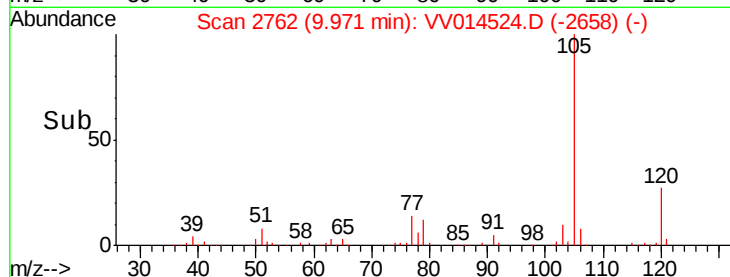
77 14.9 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.510 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

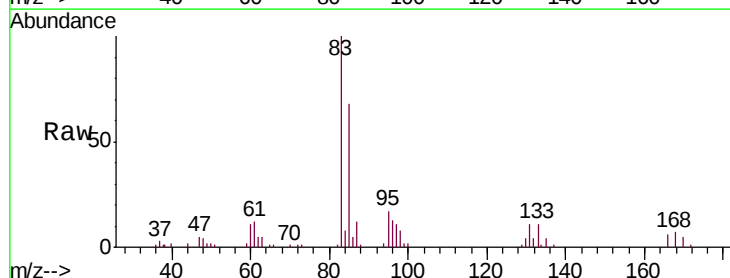
Tgt Ion: 83 Resp: 26984

Ion Ratio Lower Upper

83 100

85 68.1 45.8 85.0

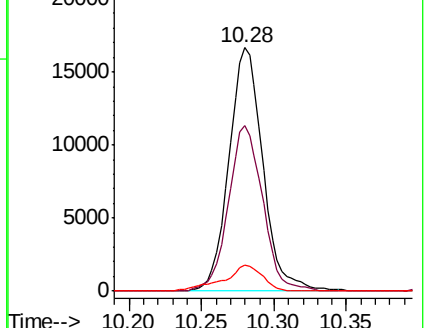
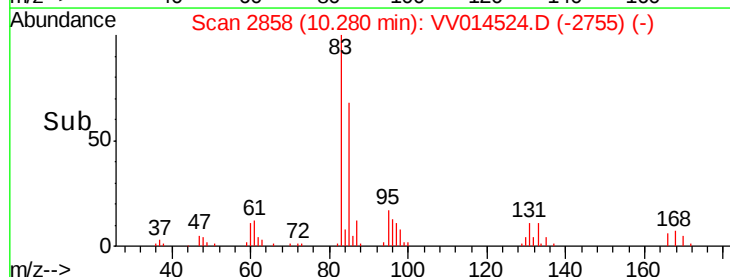
131 10.7 8.1 12.1

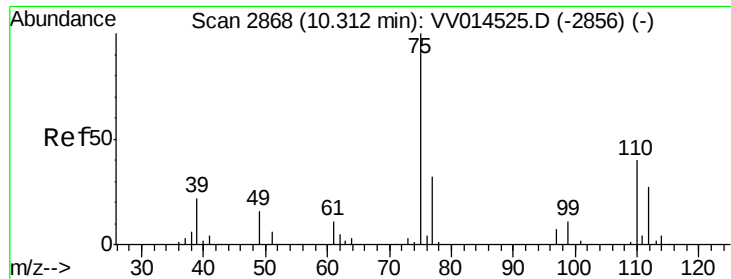


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.195 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

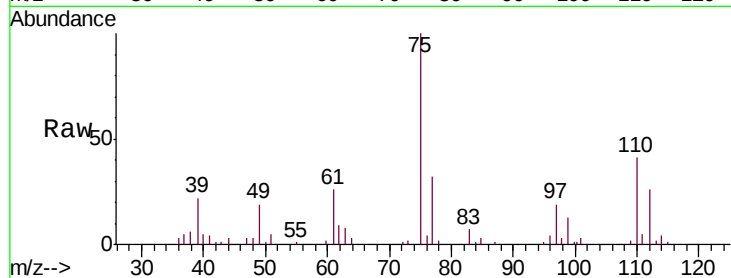
VSTD00562

Tgt Ion: 75 Resp: 20442

Ion Ratio Lower Upper

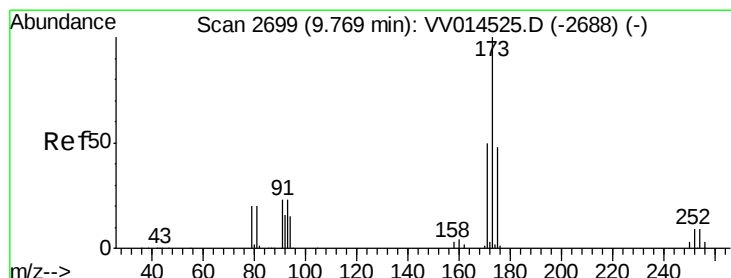
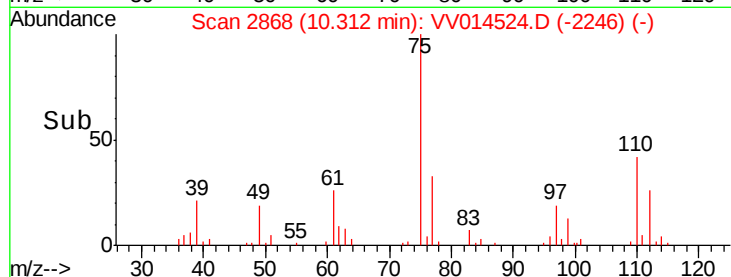
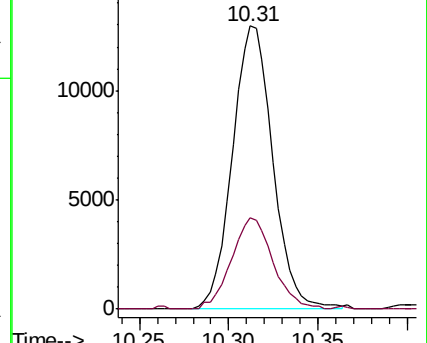
75 100

77 33.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014525.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014525.D (-2856) (-)



#62

Bromoform

Concen: 3.950 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

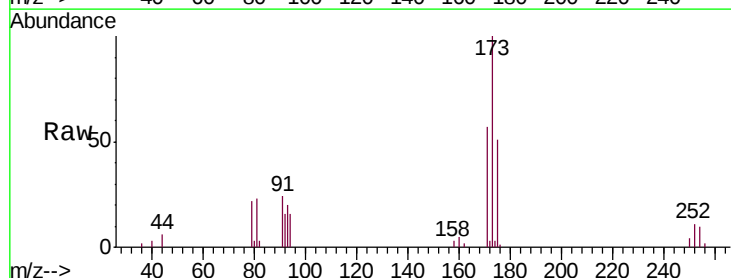
Tgt Ion: 173 Resp: 13527

Ion Ratio Lower Upper

173 100

175 48.8 38.3 57.5

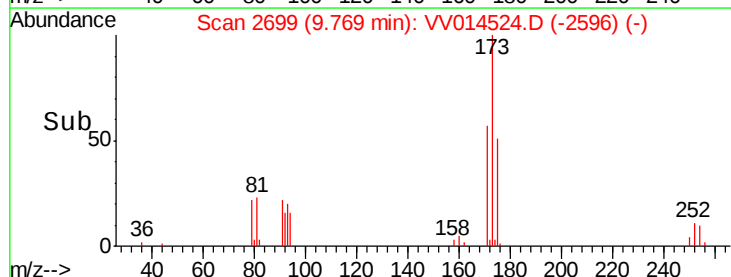
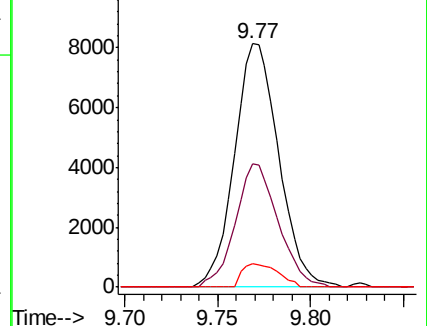
254 7.8 7.0 10.4

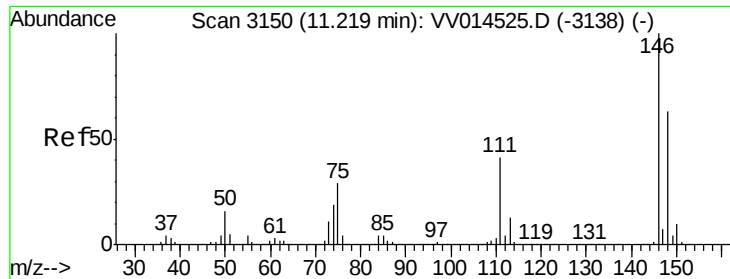


Abundance Ion 173.00 (172.70 to 173.70): VV014525.D (-2688) (-)

Ion 175.00 (174.70 to 175.70): VV014525.D (-2688) (-)

Ion 254.00 (253.70 to 254.70): VV014525.D (-2688) (-)

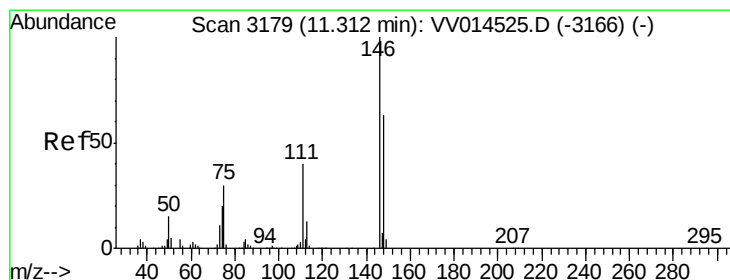
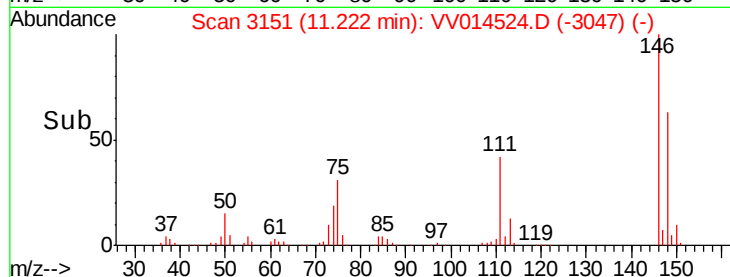
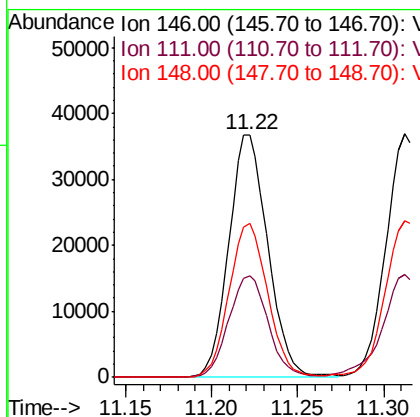
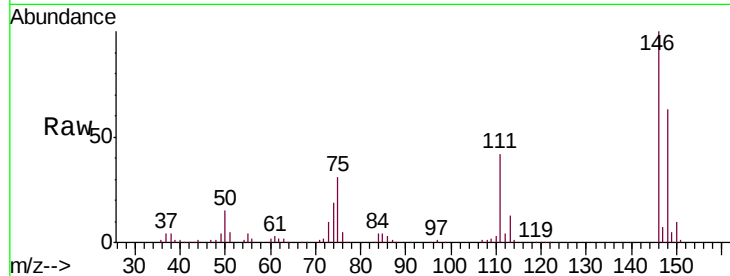




#63
 1,3-Dichlorobenzene
 Concen: 4.765 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

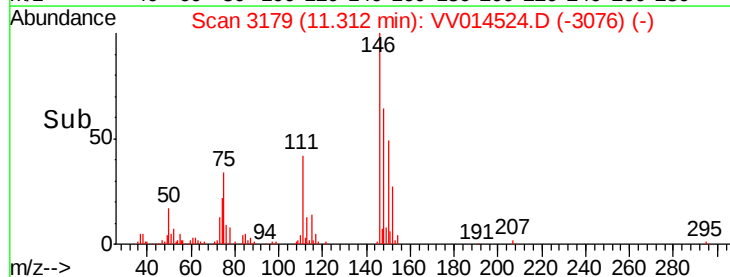
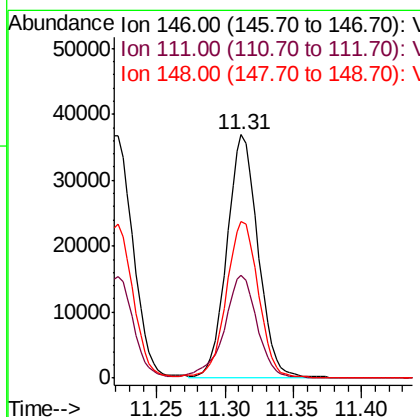
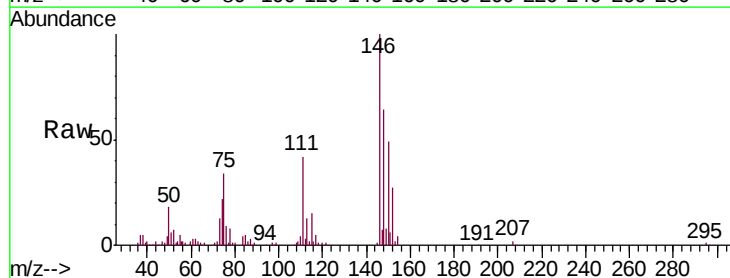
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00562

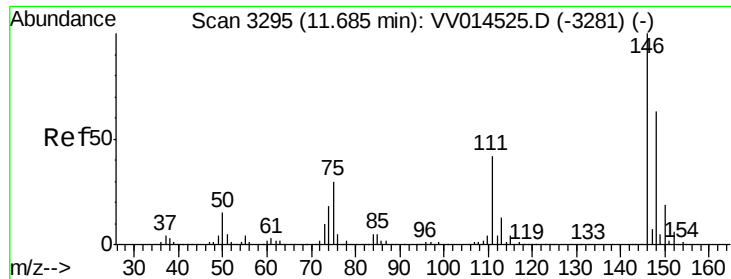
Tgt Ion:146 Resp: 58022
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.6 53.2
 148 63.3 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 4.719 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV014524.D
 Acq: 06 Feb 2020 18:02

Tgt Ion:146 Resp: 58868
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.2 52.4
 148 64.2 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 4.812 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

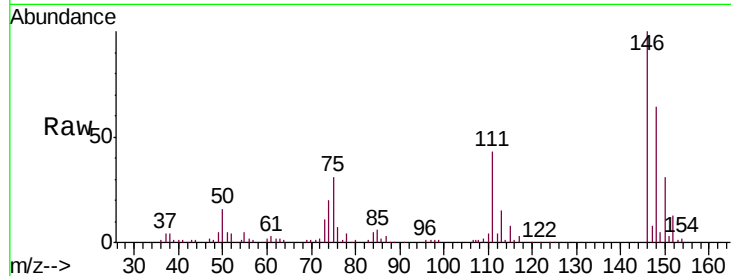
Tgt Ion:146 Resp: 54413

Ion Ratio Lower Upper

146 100

111 43.4 33.9 50.9

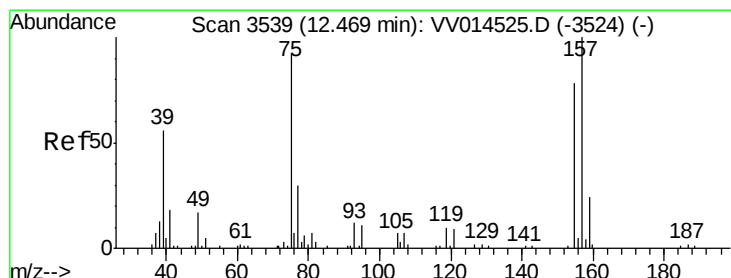
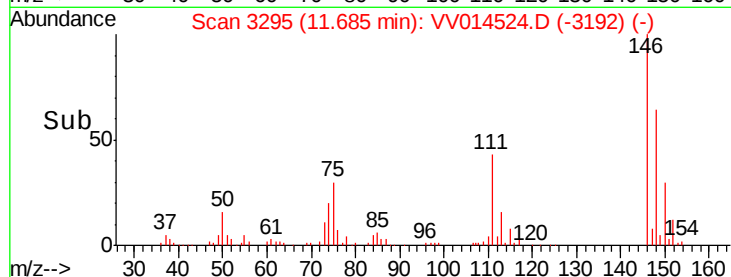
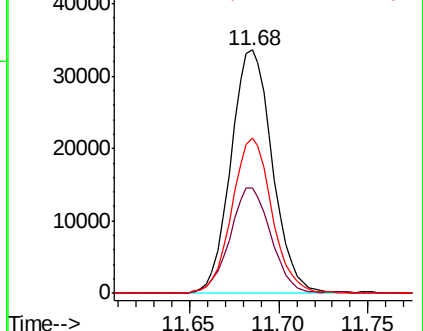
148 63.9 50.4 75.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.419 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

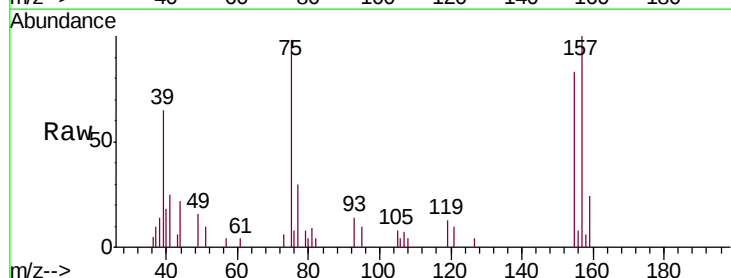
Tgt Ion: 75 Resp: 4598

Ion Ratio Lower Upper

75 100

157 102.5 86.6 129.8

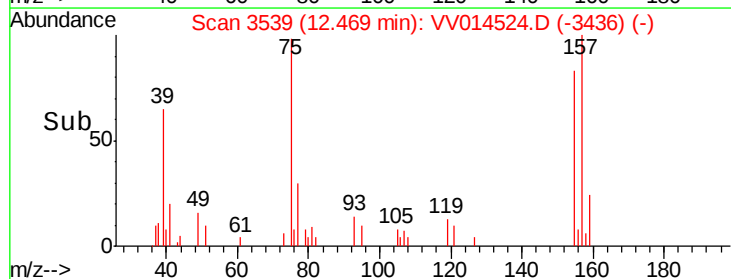
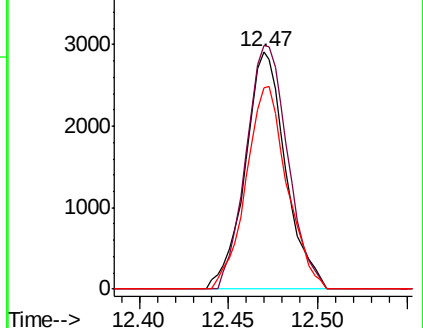
155 84.8 67.4 101.0

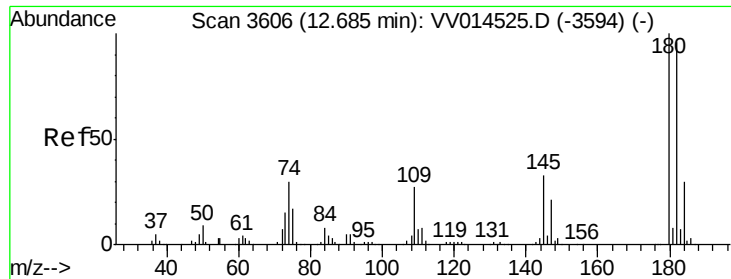


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 4.401 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

Tgt Ion:180 Resp: 41591

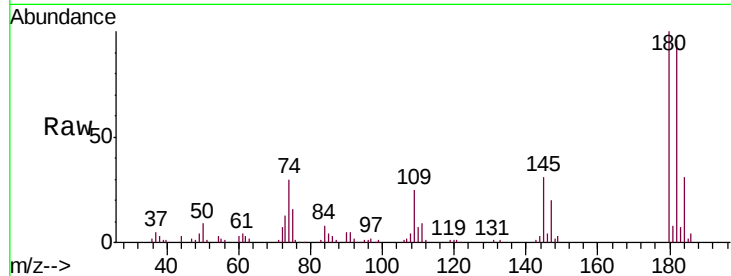
Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.0

184 32.0 24.0 36.0

145 32.4 25.3 37.9

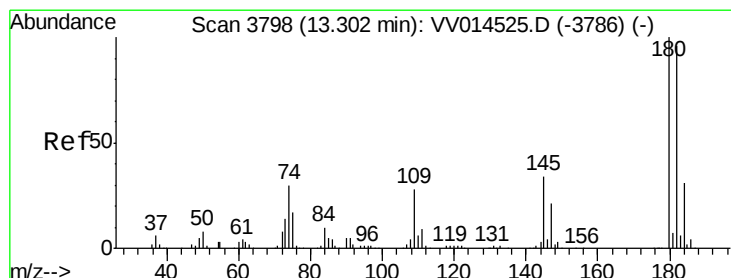
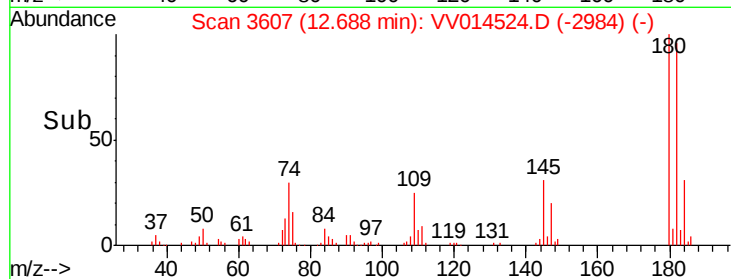
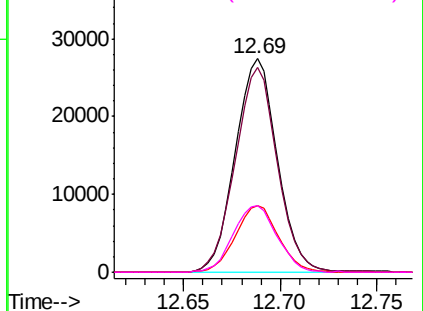


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.384 ug/L

RT: 13.30 min Scan# 3798

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

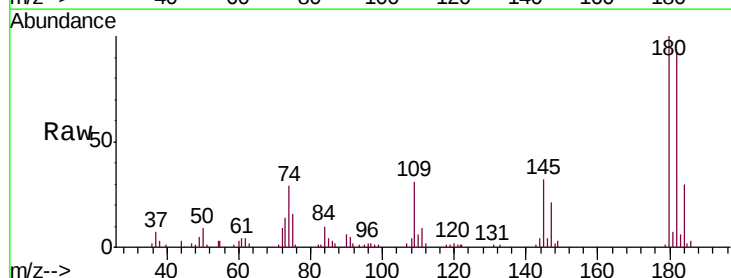
Tgt Ion:180 Resp: 35911

Ion Ratio Lower Upper

180 100

182 93.4 76.7 115.1

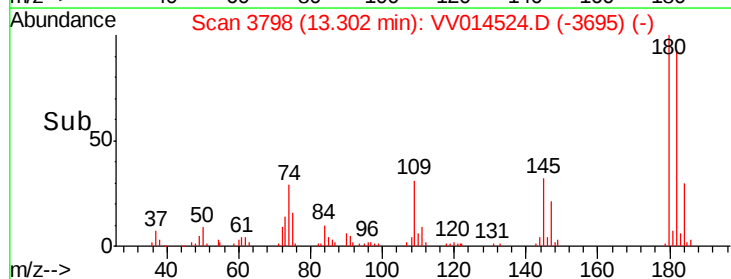
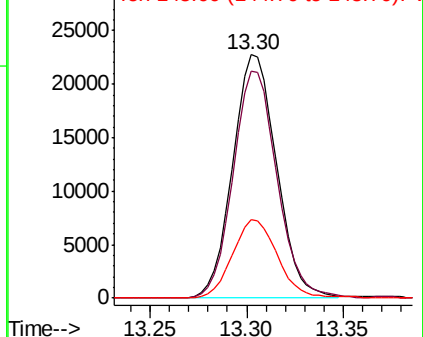
145 32.9 26.8 40.2

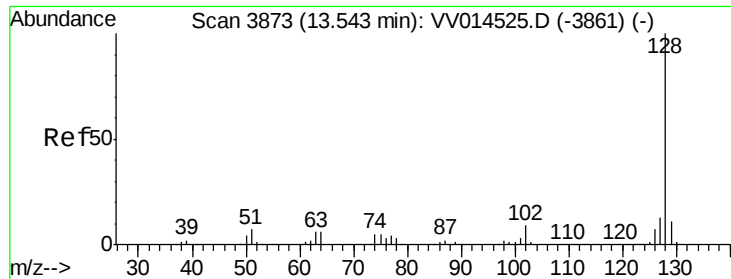


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 5.060 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD00562

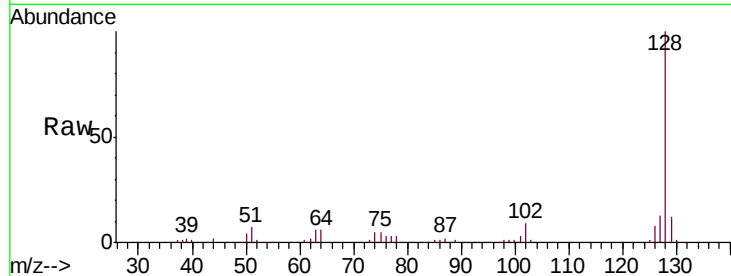
Tgt Ion:128 Resp: 81891

Ion Ratio Lower Upper

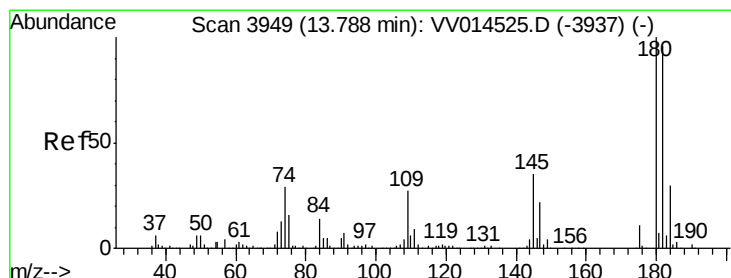
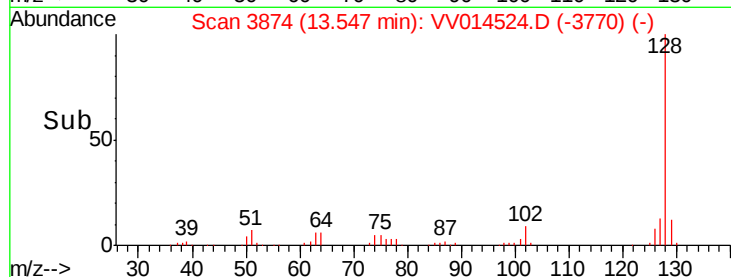
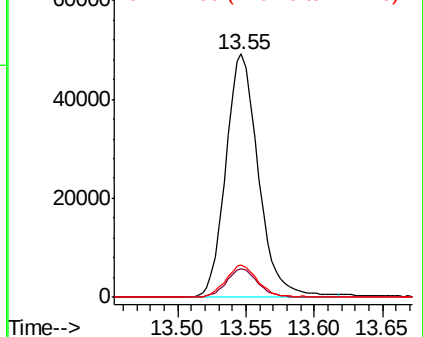
128 100

129 11.3 8.8 13.2

127 13.0 10.2 15.2



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: 4.352 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014524.D

Acq: 06 Feb 2020 18:02

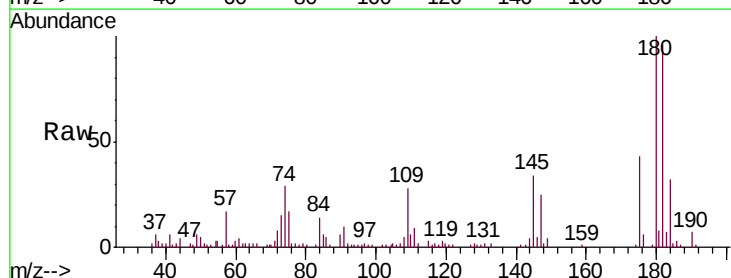
Tgt Ion:180 Resp: 32786

Ion Ratio Lower Upper

180 100

182 97.0 76.2 114.4

145 34.0 27.8 41.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

