

Data File : VV015932.D
Acq On : 07 May 2020 10:05
Operator : SY/MD
Sample : VSTD0.531
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Quant Time: May 08 04:39:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	150988	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147269	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71676	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	4302	0.47	ug/L	0.00
7) Chloroethane-d5	1.58	69	3954	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	9074	0.49	ug/L	0.00
20) 2-Butanone-d5	3.98	46	3478	1.45	ug/L	0.04
24) Chloroform-d	4.38	84	8825	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	4949	0.47	ug/L	0.00
32) Benzene-d6	5.08	84	16730	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	5008	0.45	ug/L	0.00
41) Toluene-d8	7.34	98	15253	0.45	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	1686	0.39	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	6795	3.51	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	3454	0.43	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	5932	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5702	0.474 ug/L	97
3) Chloromethane	1.24	50	6096	0.507 ug/L	99
5) Vinyl chloride	1.32	62	5672	0.494 ug/L	100
6) Bromomethane	1.53	94	3112	0.487 ug/L	89
8) Chloroethane	1.59	64	5065	0.718 ug/L #	70
9) Trichlorofluoromethane	1.76	101	7346	0.473 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4239	0.481 ug/L	99
12) 1,1-Dichloroethene	2.13	96	4350	0.512 ug/L	81
13) Acetone	2.27	43	2275	1.534 ug/L	91
14) Carbon disulfide	2.30	76	13150	0.477 ug/L	98
15) Methyl Acetate	2.48	43	1514	0.438 ug/L #	89
16) Methylene chloride	2.52	84	5743	0.486 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	10151	0.456 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	4309	0.455 ug/L	95
19) 1,1-Dichloroethane	3.21	63	8573	0.474 ug/L	90
22) cis-1,2-Dichloroethene	3.95	96	4655	0.471 ug/L	98
23) Bromochloromethane	4.28	128	1850	0.445 ug/L	92
25) Chloroform	4.40	83	9660	0.489 ug/L	98
27) 1,2-Dichloroethane	5.16	62	5857	0.484 ug/L	96
29) 1,1,1-Trichloroethane	4.63	97	7933	0.475 ug/L	94
30) Cyclohexane	4.70	56	7544	0.443 ug/L	93
31) Carbon tetrachloride	4.85	117	6972	0.486 ug/L	91
33) Benzene	5.13	78	17371	0.454 ug/L	100
34) Trichloroethene	5.94	95	5319	0.508 ug/L	93
35) Methylcyclohexane	6.15	83	6975	0.410 ug/L	94
37) 1,2-Dichloropropane	6.20	63	4433	0.466 ug/L #	94
38) Bromodichloromethane	6.53	83	5522	0.457 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	5582	0.413 ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	24630	4.056 ug/L	98
42) Toluene	7.41	91	17962	0.440 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 08 04:37:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 1,3,5-Trimethylbenzene	10.56	105	14205	0.376	ug/L #	100
44) 1,2,4-Trimethylbenzene	10.94	105	13655	0.357	ug/L #	100
46) trans-1,3-Dichloropropene	7.68	75	4597	0.402	ug/L	100
47) 1,1,2-Trichloroethane	7.87	97	3118	0.487	ug/L	95
49) Tetrachloroethene	7.99	164	3329	0.429	ug/L	98
50) 2-Hexanone	8.17	43	16333	3.825	ug/L	94
51) Dibromochloromethane	8.27	129	2971	0.422	ug/L	99
52) 1,2-Dibromoethane	8.38	107	2526	0.413	ug/L #	91
53) Chlorobenzene	8.90	112	11988	0.460	ug/L	93
54) Ethylbenzene	9.04	91	19393	0.419	ug/L	95
55) m,p-xylene	9.16	106	6994	0.402	ug/L	91
56) o-xylene	9.57	106	6801	0.414	ug/L	97
57) Styrene	9.59	104	10373	0.375	ug/L	97
58) Isopropylbenzene	9.95	105	18277	0.402	ug/L	98
60) 1,1,2,2-Tetrachloroethane	10.26	83	2917	0.399	ug/L	96
62) Bromoform	9.75	173	1475	0.477	ug/L #	95
63) 1,3-Dichlorobenzene	11.21	146	8900	0.441	ug/L	90
64) 1,4-Dichlorobenzene	11.30	146	9498	0.477	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	8078	0.444	ug/L	94
67) 1,2-Dibromo-3-chloropropan	12.46	75	524	0.417	ug/L #	83
68) 1,3,5-Trichlorobenzene	12.67	180	6569	0.441	ug/L	98
69) 1,2,4-trichlorobenzene	13.29	180	5331	0.425	ug/L	97
70) Naphthalene	13.53	128	7236	0.347	ug/L	97
71) 1,2,3-Trichlorobenzene	13.77	180	4725	0.421	ug/L	93

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

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MSVOA_V
ClientSampleId :
VSTD0.531

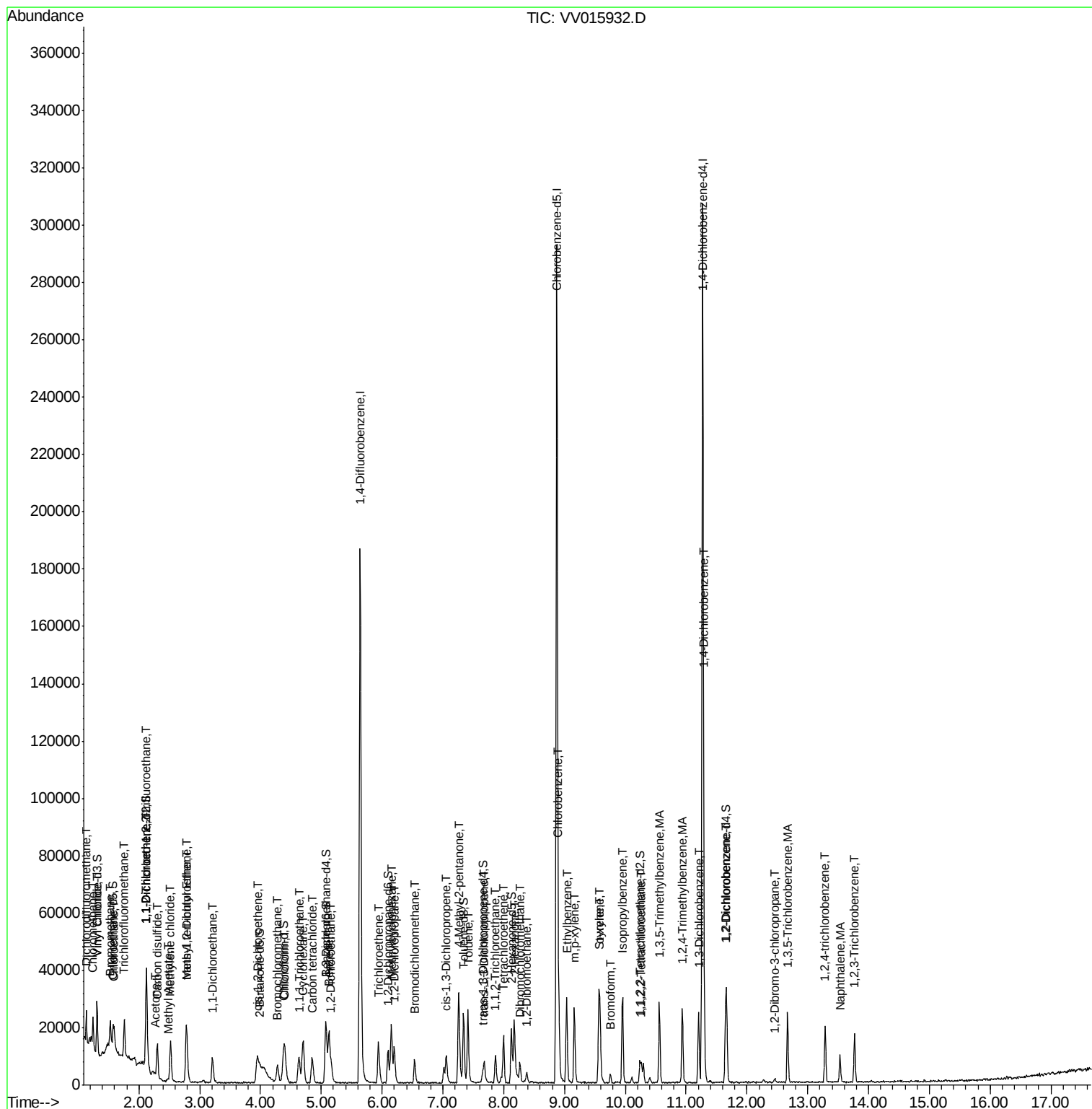
Quant Time: May 08 04:39:54 2020

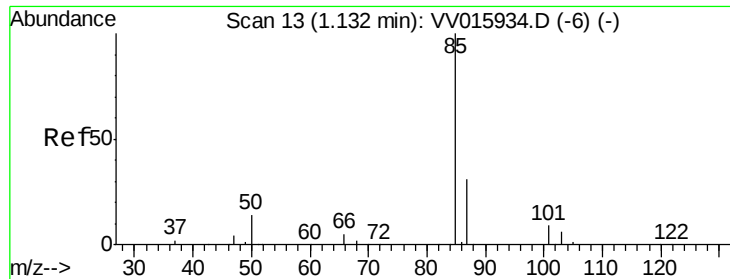
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR050720WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri May 08 04:37:53 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.474 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

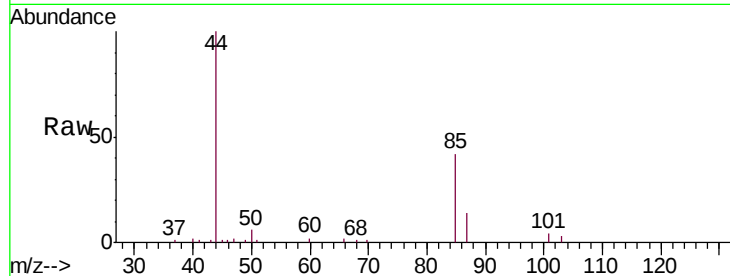
VSTD0.531

Tgt Ion: 85 Resp: 5702

Ion Ratio Lower Upper

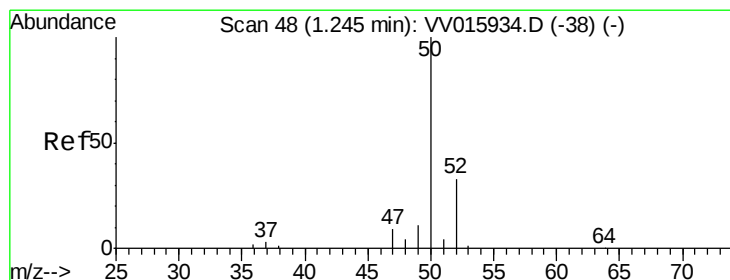
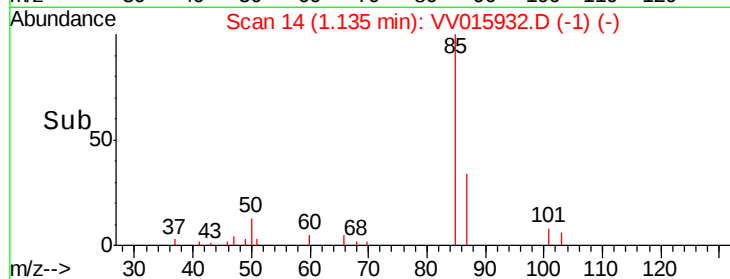
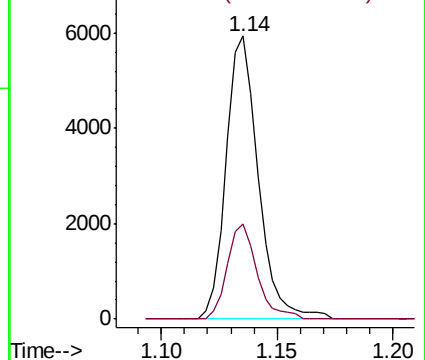
85 100

87 31.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV015934.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015934.D (-6) (-)



#3

Chloromethane

Concen: 0.507 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV015932.D

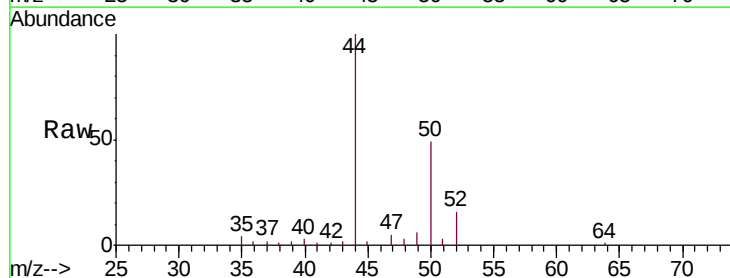
Acq: 07 May 2020 10:05

Tgt Ion: 50 Resp: 6096

Ion Ratio Lower Upper

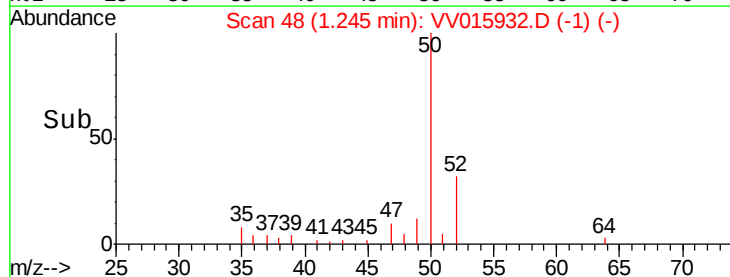
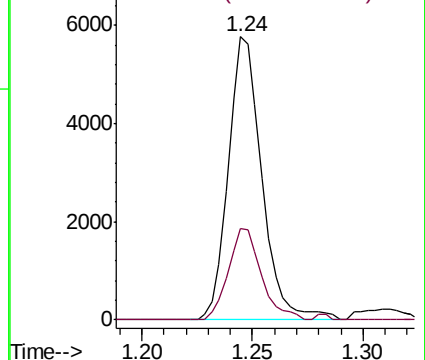
50 100

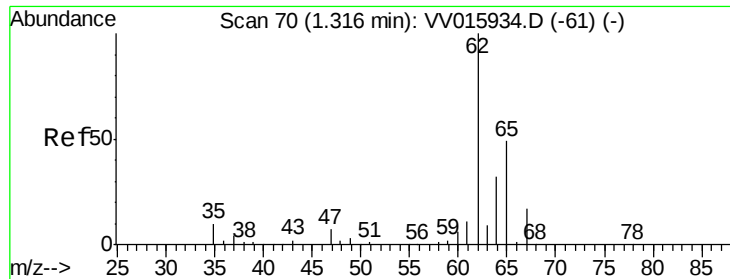
52 32.1 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV015934.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV015934.D (-38) (-)





#5

Vinyl chloride

Concen: 0.494 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

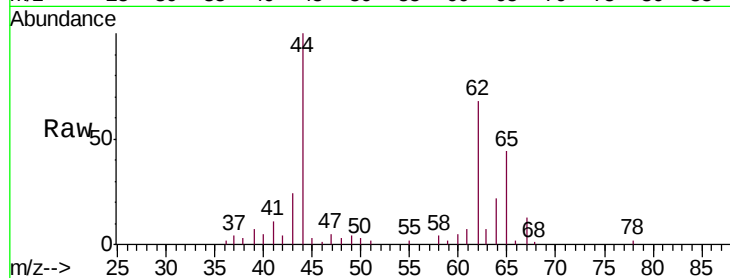
VSTD0.531

Tgt Ion: 62 Resp: 5672

Ion Ratio Lower Upper

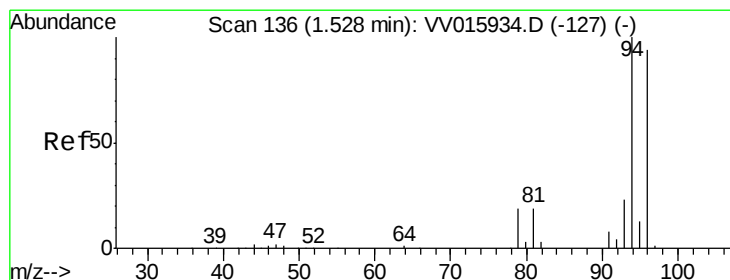
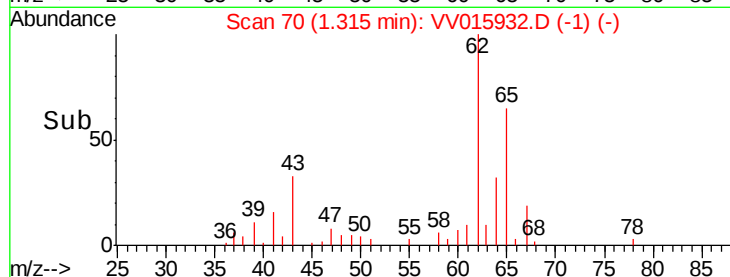
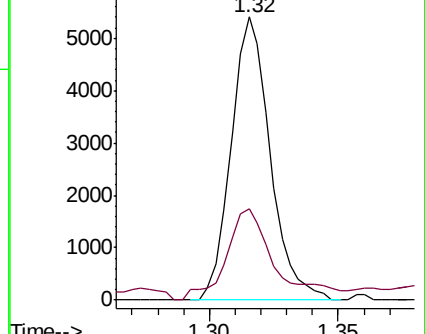
62 100

64 32.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 0.487 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015932.D

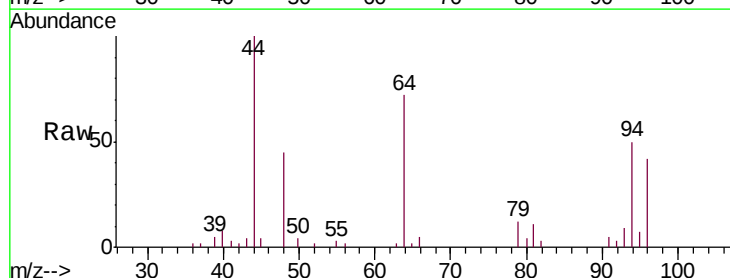
Acq: 07 May 2020 10:05

Tgt Ion: 94 Resp: 3112

Ion Ratio Lower Upper

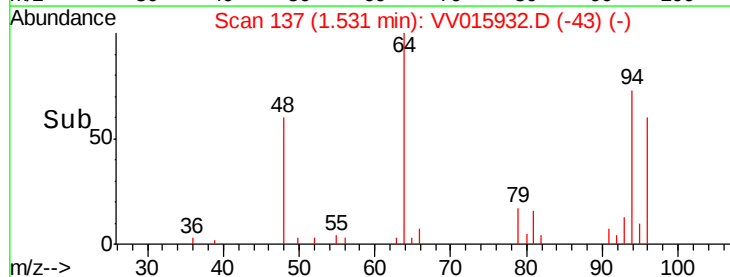
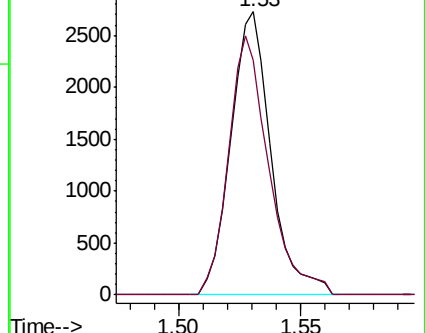
94 100

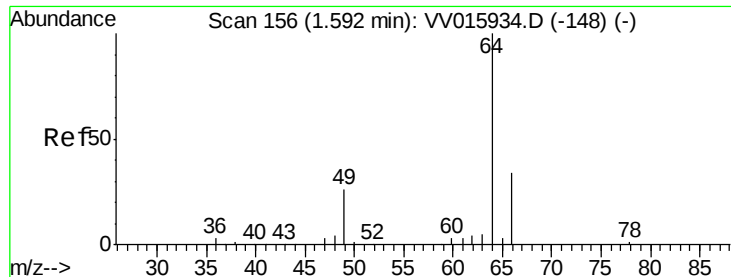
96 82.9 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.718 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

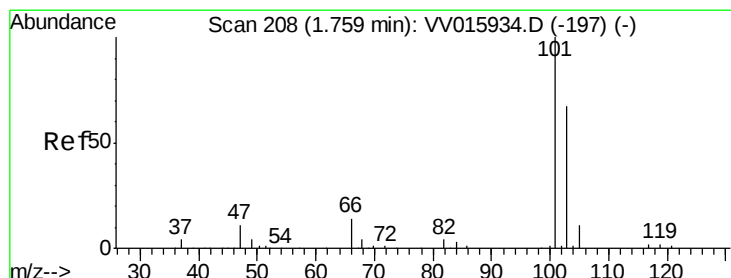
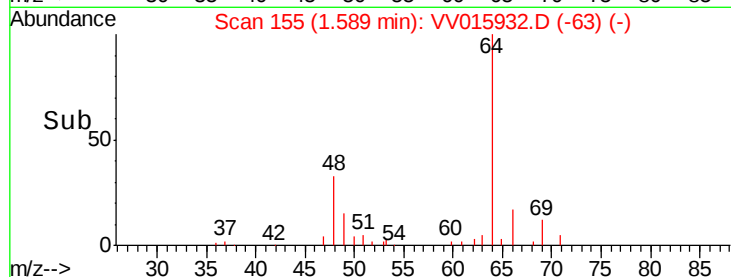
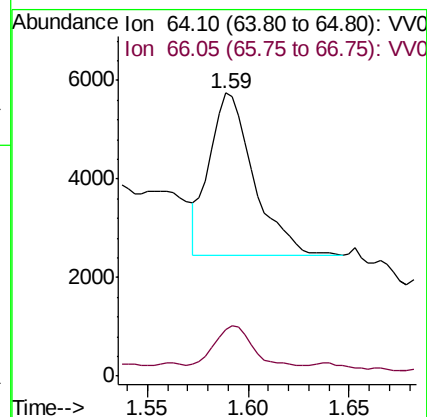
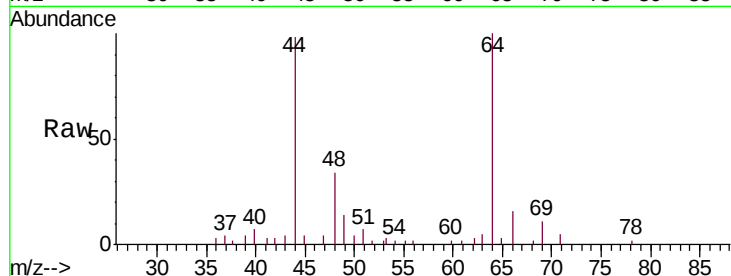
VSTD0.531

Tgt Ion: 64 Resp: 5065

Ion Ratio Lower Upper

64 100

66 16.4 23.6 43.8#



#9

Trichlorofluoromethane

Concen: 0.473 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015932.D

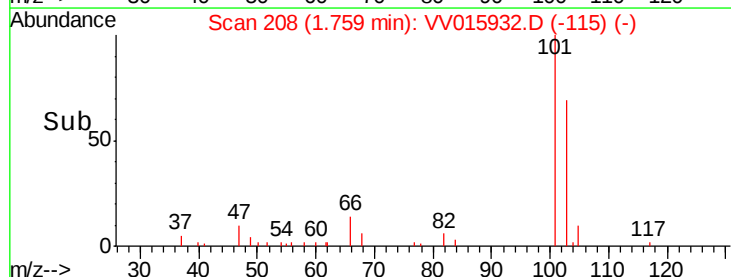
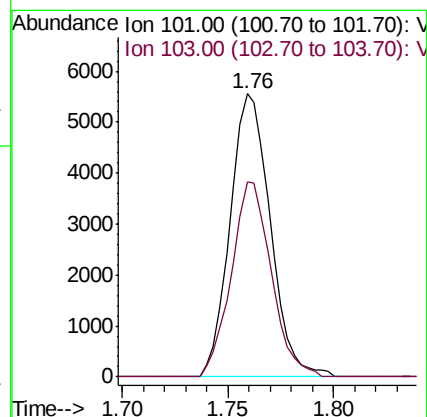
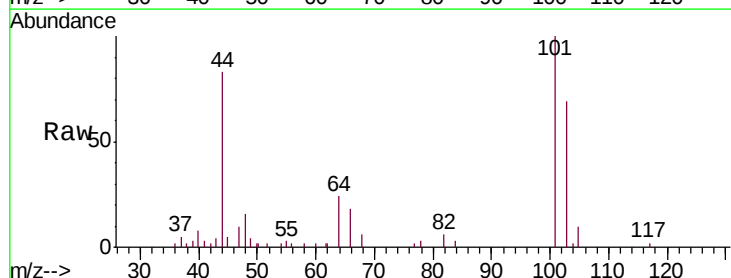
Acq: 07 May 2020 10:05

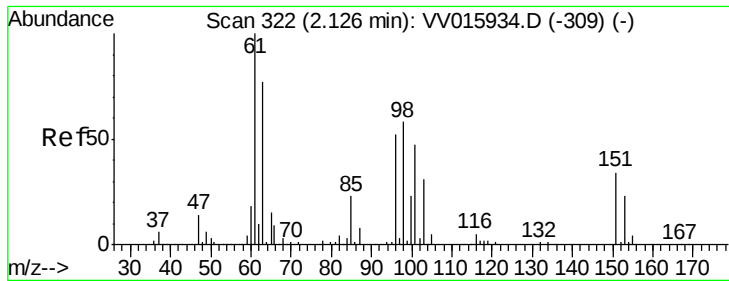
Tgt Ion: 101 Resp: 7346

Ion Ratio Lower Upper

101 100

103 68.5 51.4 77.2





#10

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

Concen: 0.481 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

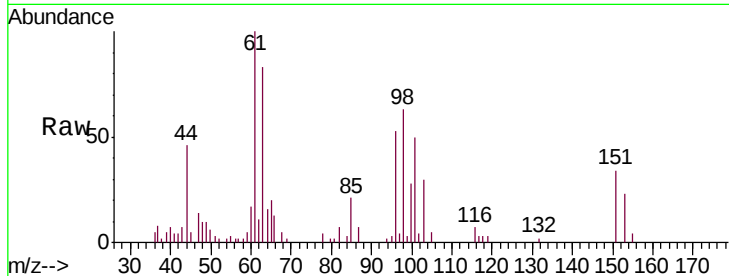
Tgt Ion:101 Resp: 4239

Ion Ratio Lower Upper

101 100

85 45.3 35.7 53.5

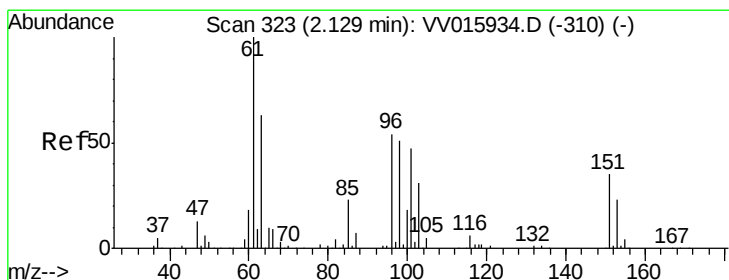
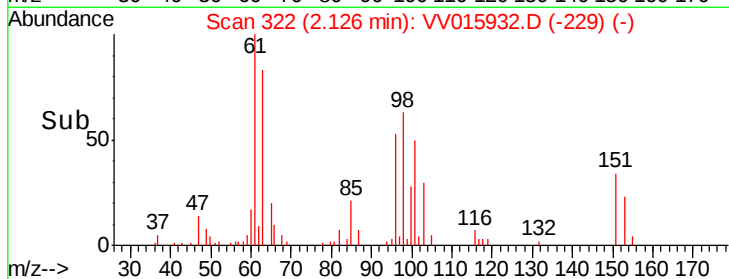
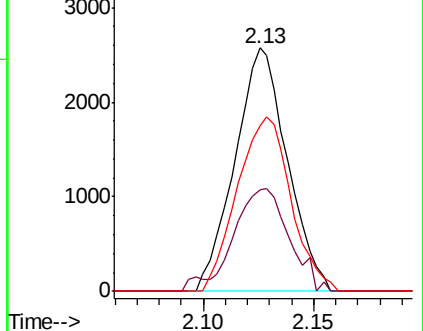
151 73.7 58.0 87.0



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: 0.512 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

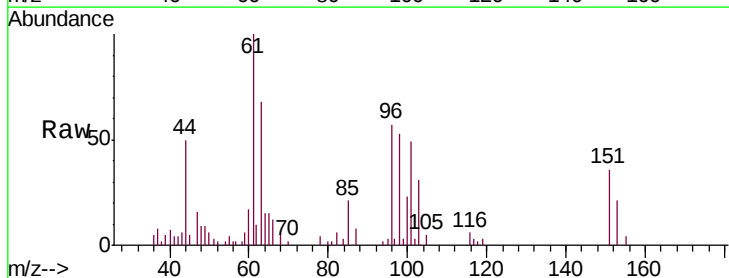
Tgt Ion: 96 Resp: 4350

Ion Ratio Lower Upper

96 100

61 176.1 139.9 259.7

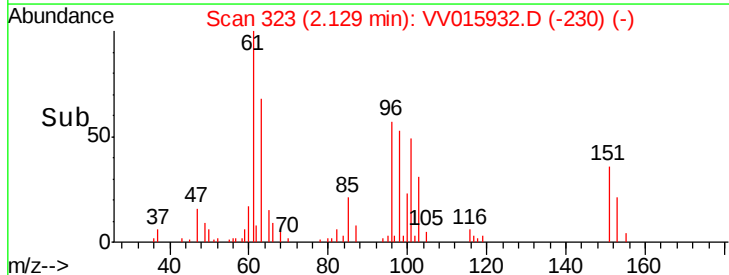
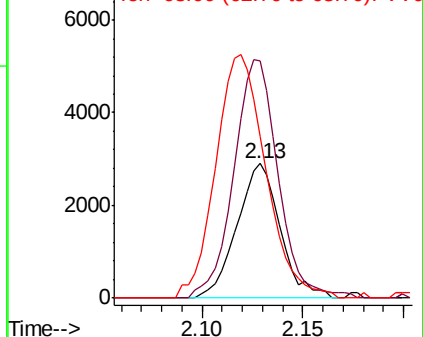
63 120.6 106.4 197.6

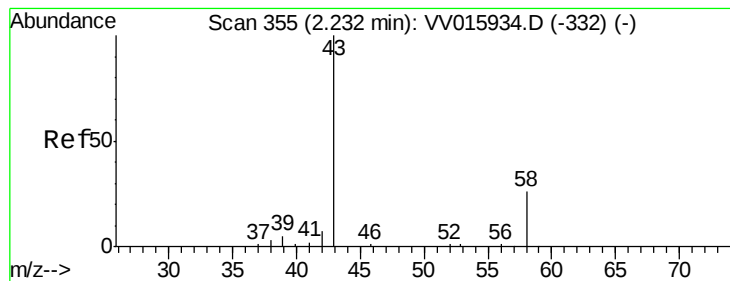


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.534 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.04 min

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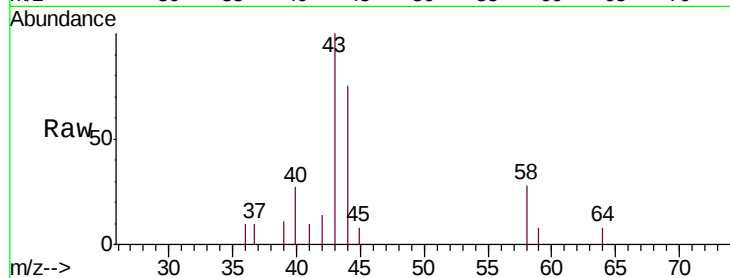
VSTD0.531

Tgt Ion: 43 Resp: 2275

Ion Ratio Lower Upper

43 100

58 11.6 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV015932.D (-262) (-)

Ion 58.05 (57.75 to 58.75): VV015932.D (-262) (-)

2000

1500

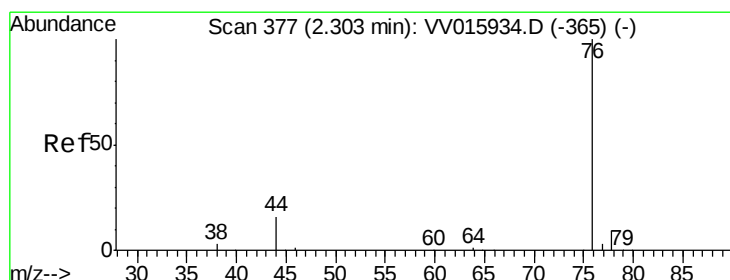
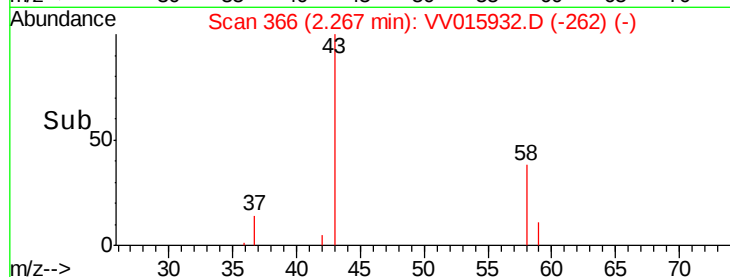
1000

500

0

Time-->

2.25 2.30 2.35



#14

Carbon disulfide

Concen: 0.477 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015932.D

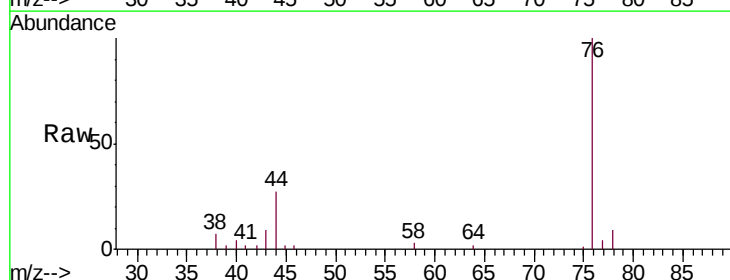
Acq: 07 May 2020 10:05

Tgt Ion: 76 Resp: 13150

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV015932.D (-284) (-)

Ion 78.00 (77.70 to 78.70): VV015932.D (-284) (-)

8000

6000

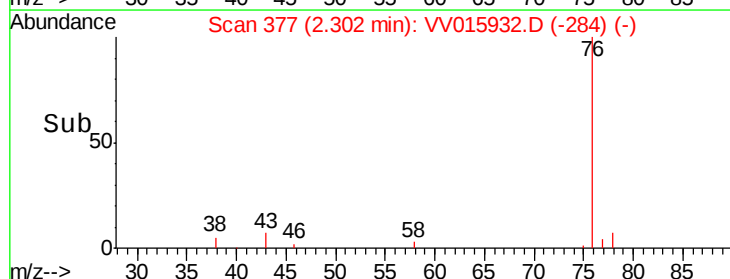
4000

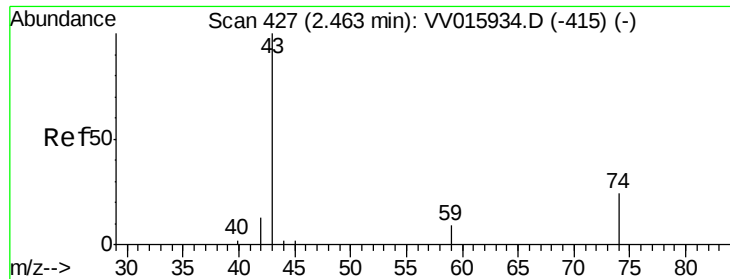
2000

0

Time-->

2.25 2.30 2.35

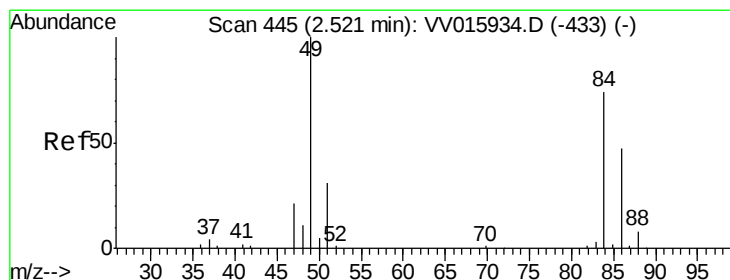
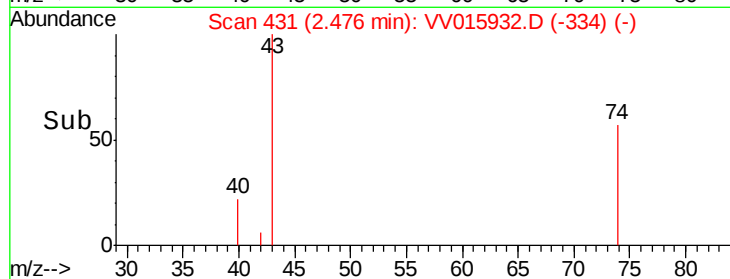
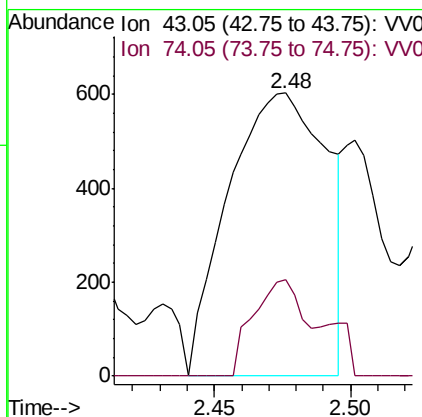
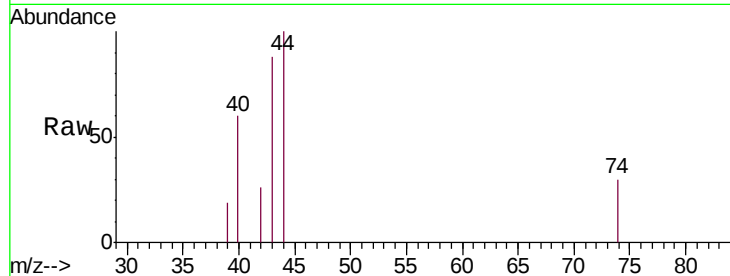




#15
Methyl Acetate
Concen: 0.438 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.01 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

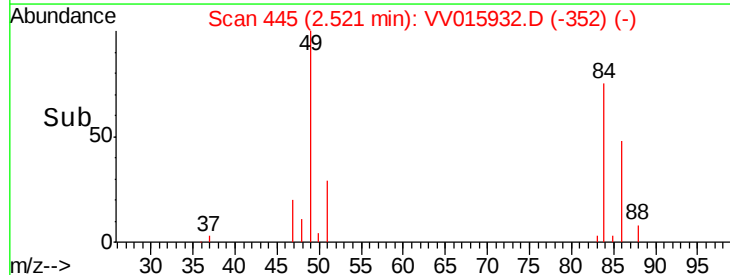
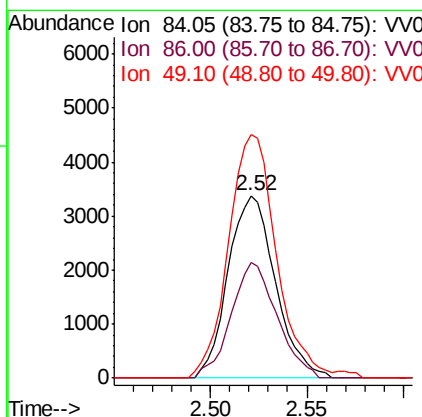
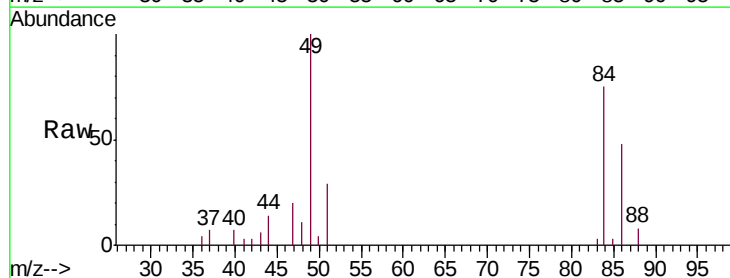
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

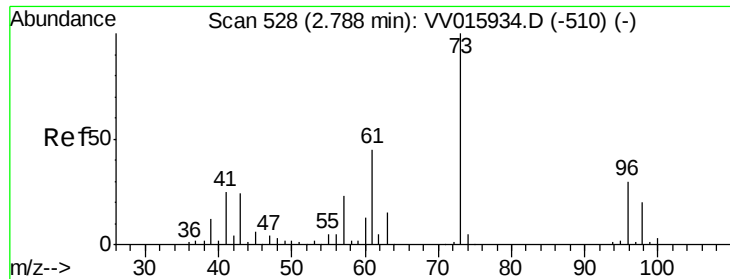
Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
74 18.5 19.2 28.8#



#16
Methylene chloride
Concen: 0.486 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

Tgt Ion: 84 Resp: 5743
Ion Ratio Lower Upper
84 100
86 63.6 45.6 84.8
49 133.6 93.6 173.8

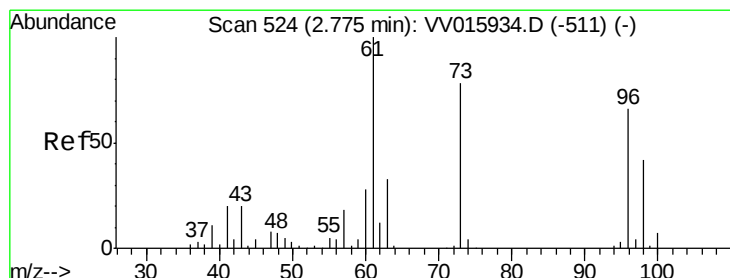
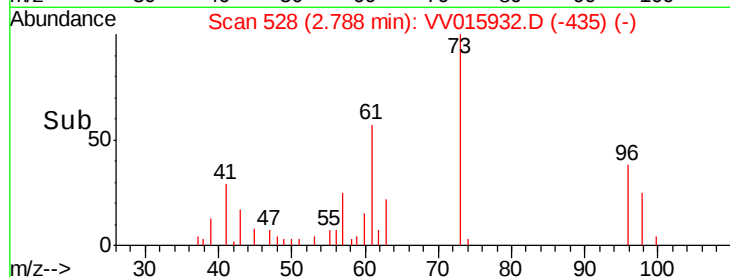
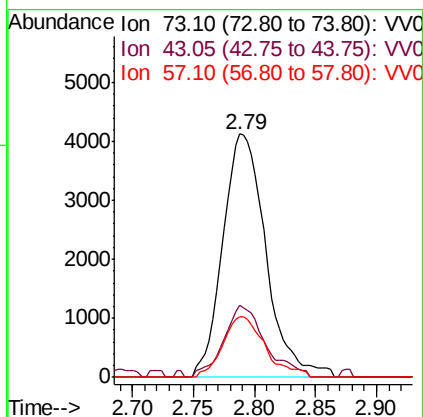
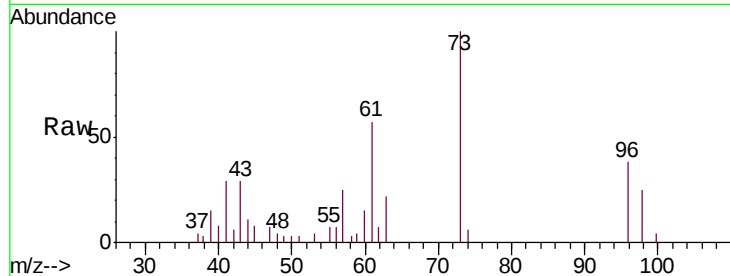




#17
Methyl tert-butyl Ether
Concen: 0.456 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

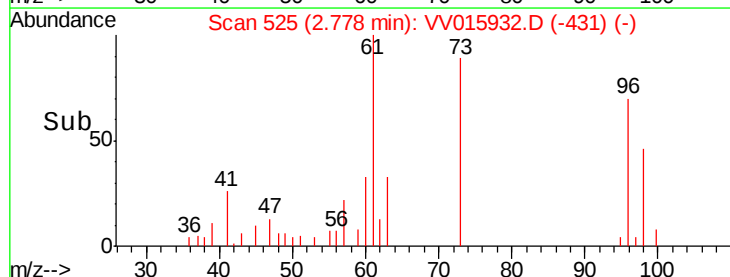
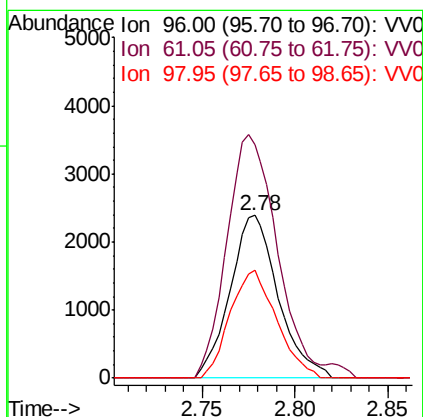
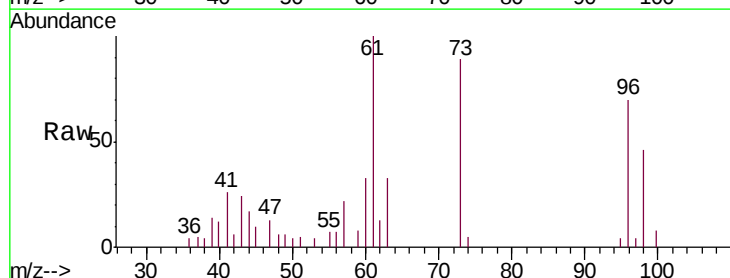
Instrument :
MSVOA_V
ClientSampled :
VSTD0.531

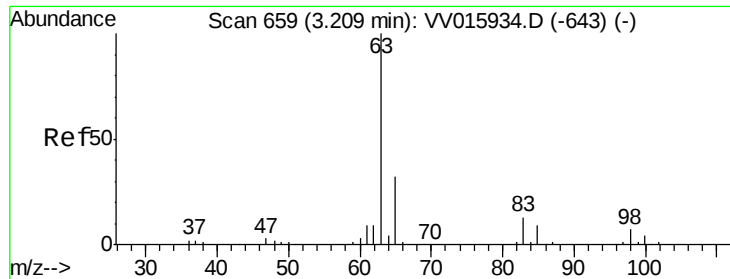
Tgt Ion: 73 Resp: 10151
Ion Ratio Lower Upper
73 100
43 28.7 18.8 28.2#
57 24.5 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 0.455 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

Tgt Ion: 96 Resp: 4309
Ion Ratio Lower Upper
96 100
61 143.2 105.3 195.5
98 65.9 44.0 81.6

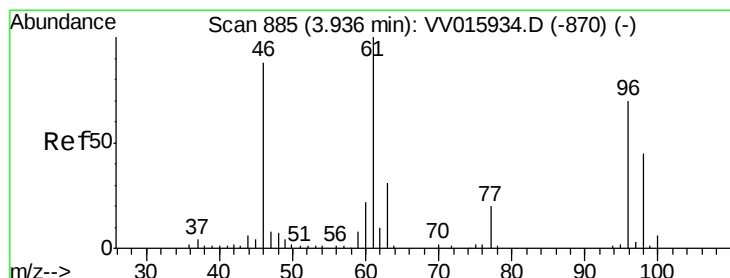
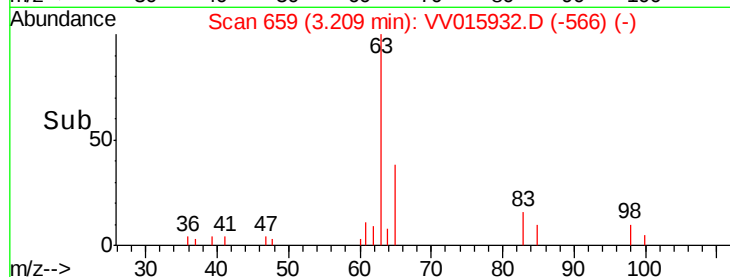
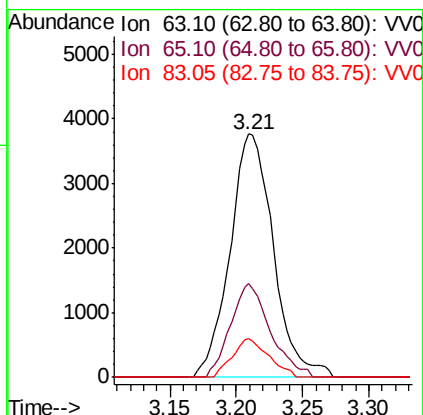
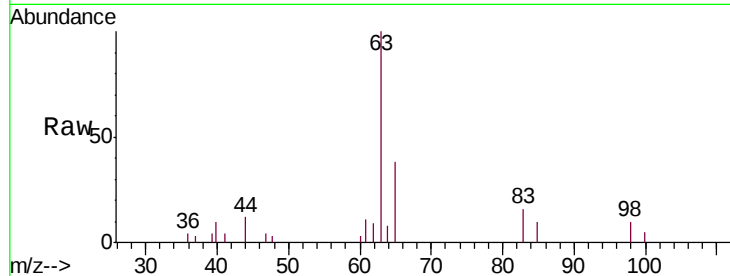




#19
 1,1-Dichloroethane
 Concen: 0.474 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

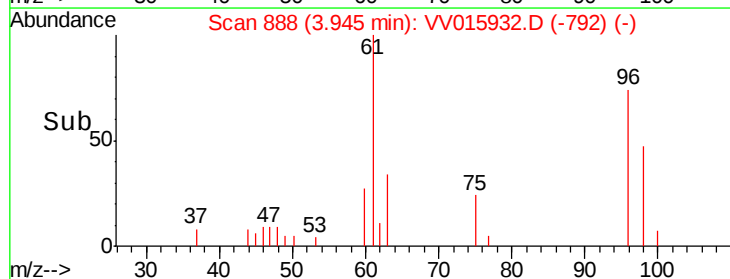
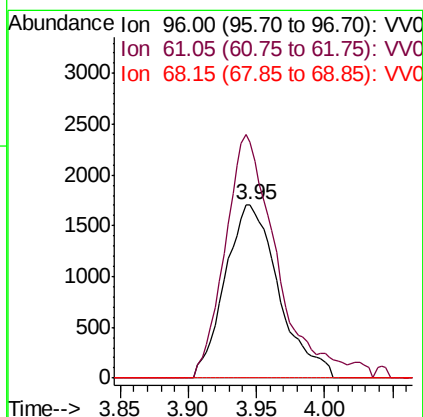
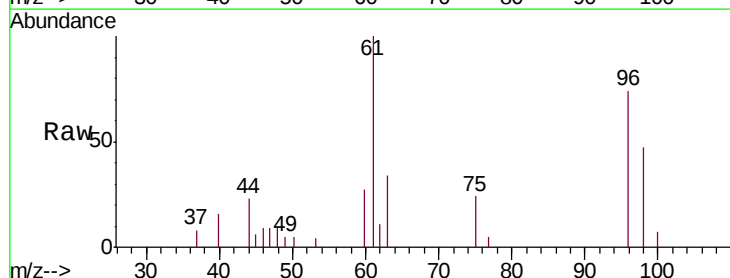
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

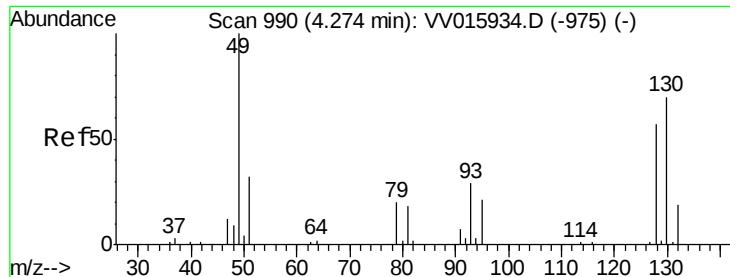
Tgt Ion: 63 Resp: 8573
 Ion Ratio Lower Upper
 63 100
 65 38.3 22.0 41.0
 83 16.2 9.8 18.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.471 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

Tgt Ion: 96 Resp: 4655
 Ion Ratio Lower Upper
 96 100
 61 135.9 97.2 180.6
 68 0.0 0.0 0.0

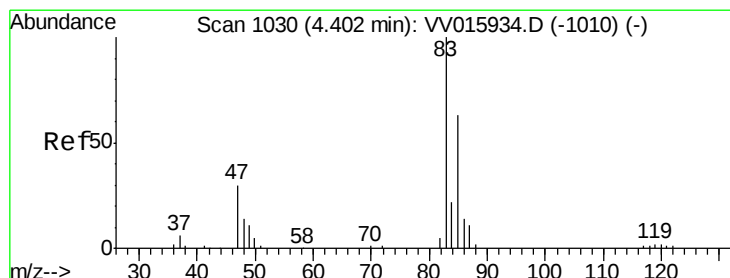
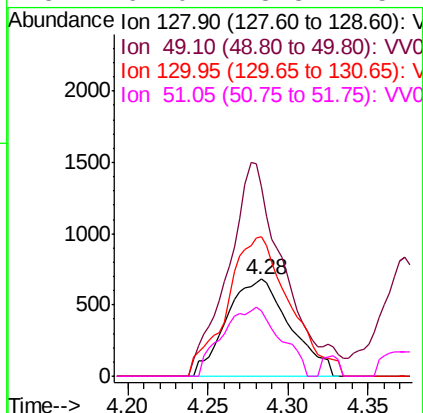
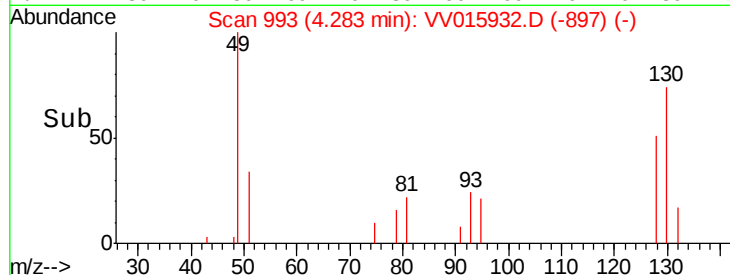
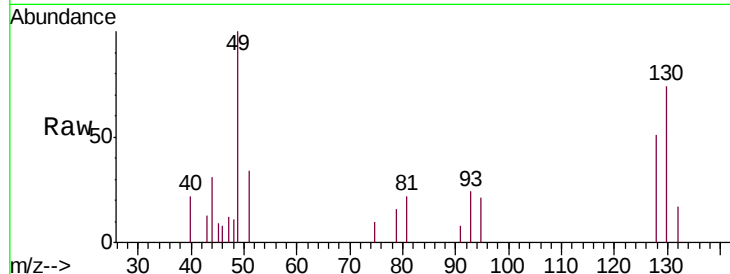




#23
 Bromochloromethane
 Concen: 0.445 ug/L
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

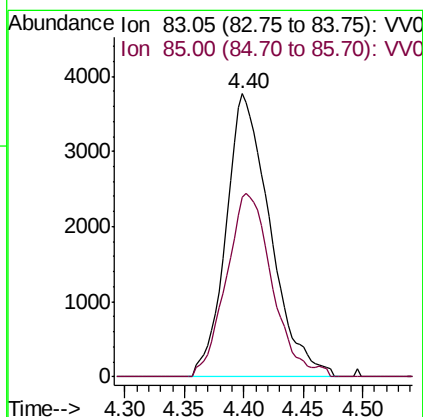
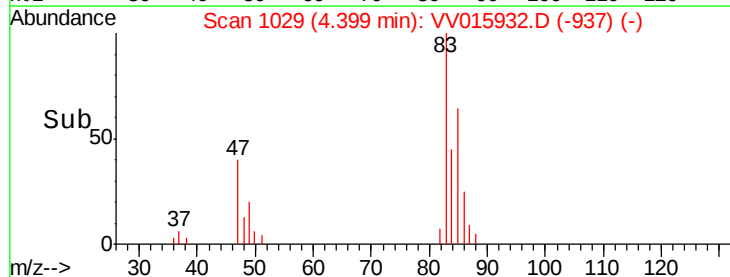
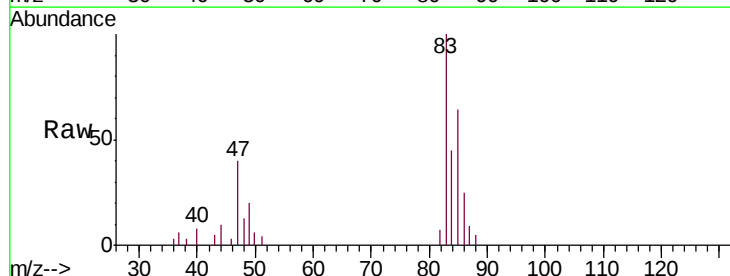
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

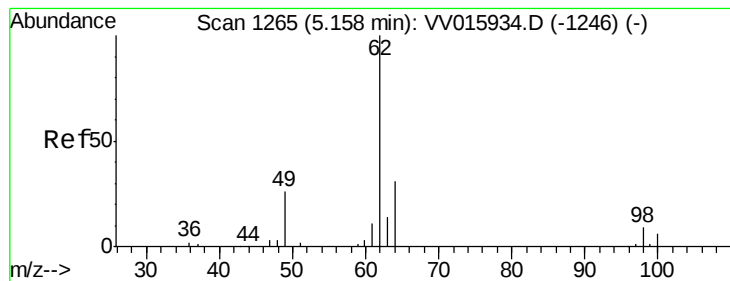
Tgt Ion:128 Resp: 1850
 Ion Ratio Lower Upper
 128 100
 49 195.2 131.3 243.8
 130 144.2 91.8 170.4
 51 67.0 48.8 73.2



#25
 Chloroform
 Concen: 0.489 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

Tgt Ion: 83 Resp: 9660
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.7 84.9





#27

1,2-Dichloroethane

Concen: 0.484 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

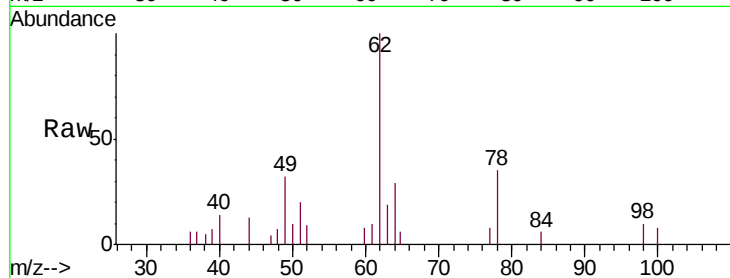
VSTD0.531

Tgt Ion: 62 Resp: 5857

Ion Ratio Lower Upper

62 100

98 9.7 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VV015934.D (-1246) (-)

Ion 98.05 (97.75 to 98.75): VV015934.D (-1246) (-)

5.16

2500

2000

1500

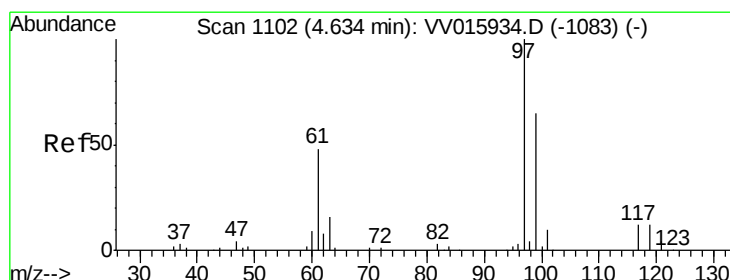
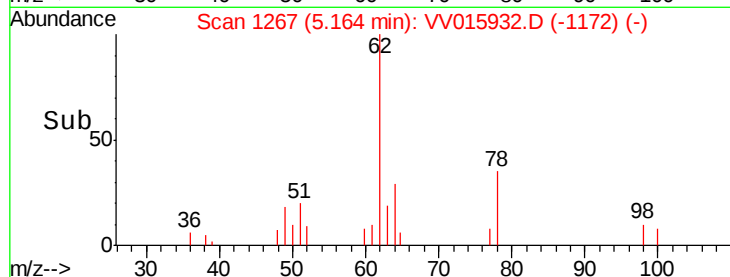
1000

500

0

5.10 5.15 5.20 5.25

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.475 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

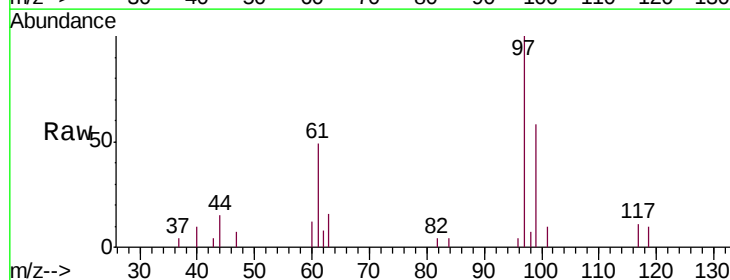
Tgt Ion: 97 Resp: 7933

Ion Ratio Lower Upper

97 100

99 55.5 50.7 76.1

61 48.5 38.8 58.2



Abundance Ion 96.95 (96.65 to 97.65): VV015934.D (-1083) (-)

Ion 99.05 (98.75 to 99.75): VV015934.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV015934.D (-1083) (-)

4.63

4000

3000

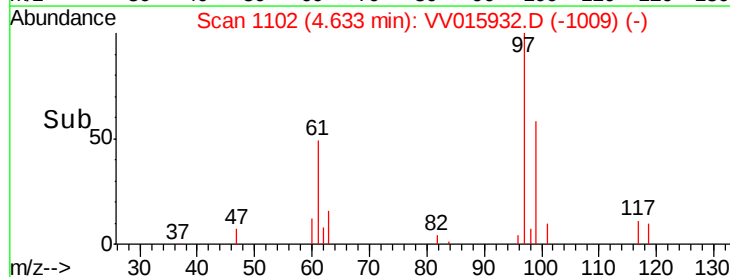
2000

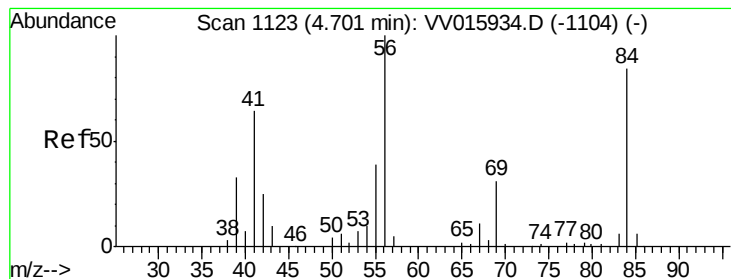
1000

0

4.55 4.60 4.65 4.70

Time-->





#30

Cyclohexane

Concen: 0.443 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

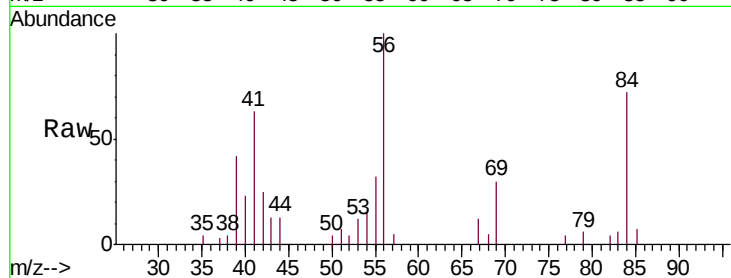
Tgt Ion: 56 Resp: 7544

Ion Ratio Lower Upper

56 100

69 32.2 24.2 36.2

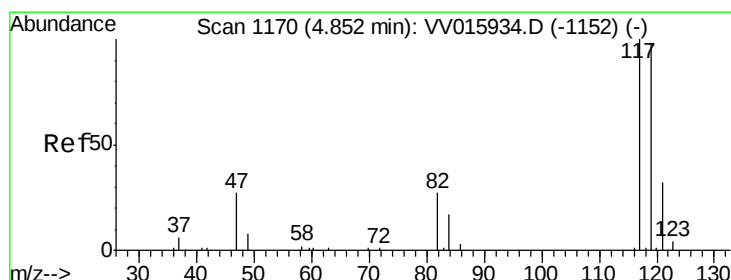
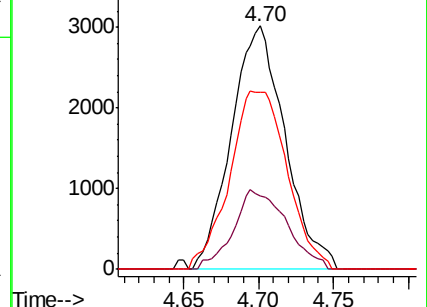
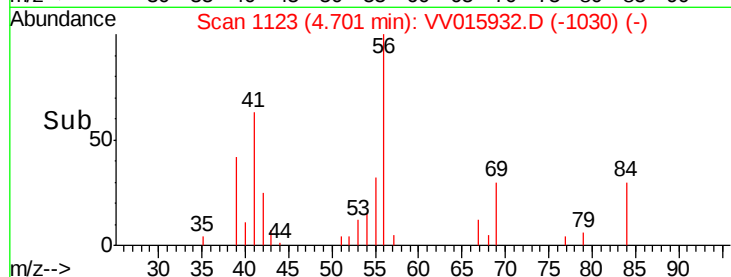
84 78.3 68.3 102.5



Abundance Ion 56.10 (55.80 to 56.80): VV015932.D (-1030) (-)

Ion 69.15 (68.85 to 69.85): VV015932.D (-1030) (-)

Ion 84.15 (83.85 to 84.85): VV015932.D (-1030) (-)



#31

Carbon tetrachloride

Concen: 0.486 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV015932.D

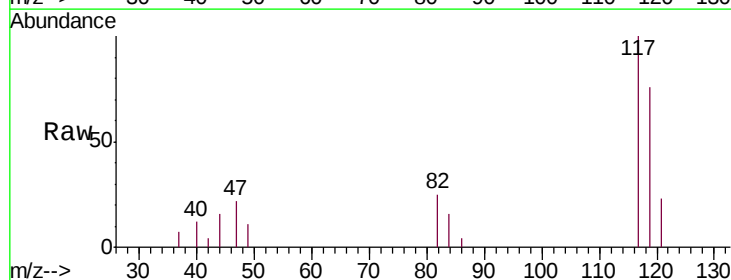
Acq: 07 May 2020 10:05

Tgt Ion: 117 Resp: 6972

Ion Ratio Lower Upper

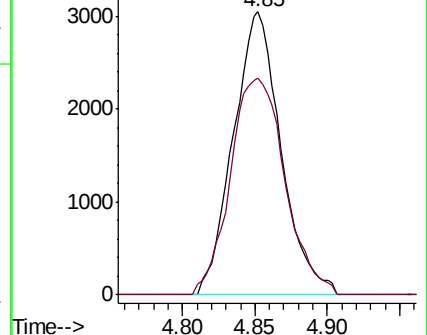
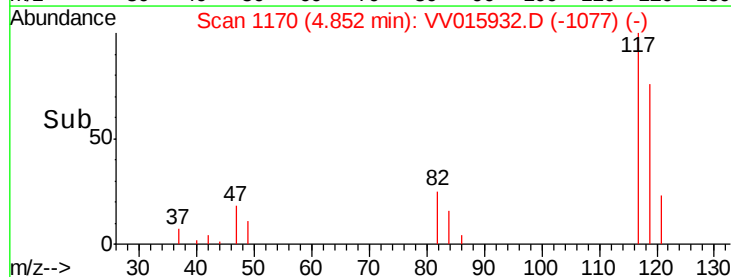
117 100

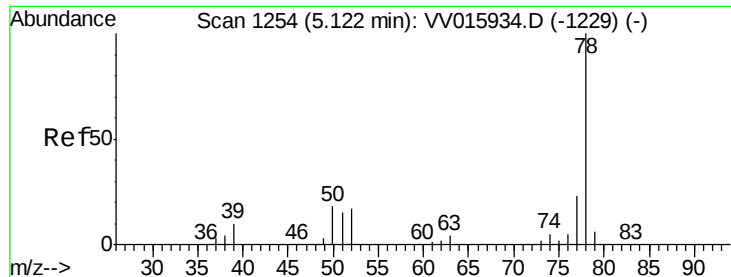
119 87.5 77.3 115.9



Abundance Ion 116.90 (116.60 to 117.60): VV015932.D (-1077) (-)

Ion 118.90 (118.60 to 119.60): VV015932.D (-1077) (-)





#33

Benzene

Concen: 0.454 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

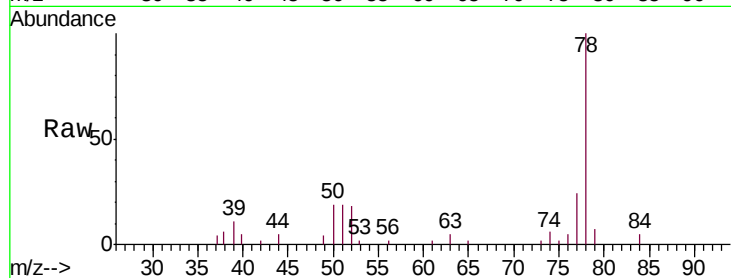
Instrument :

MSVOA_V

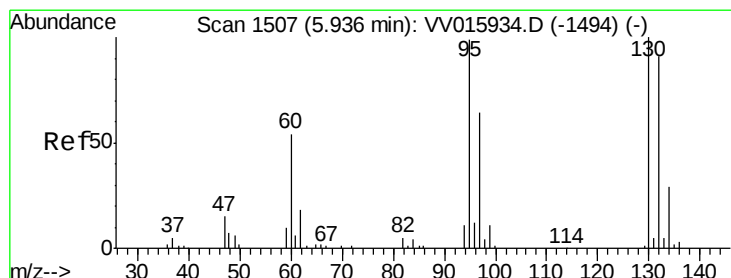
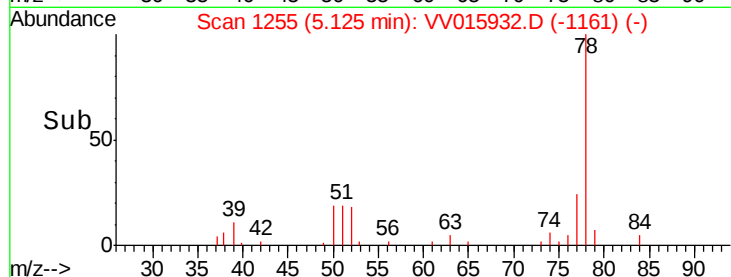
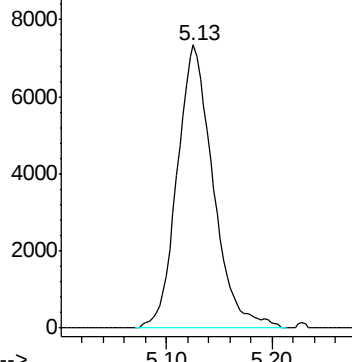
ClientSampleId :

VSTD0.531

Tgt Ion: 78 Resp: 17371



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.508 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Tgt Ion: 95 Resp: 5319

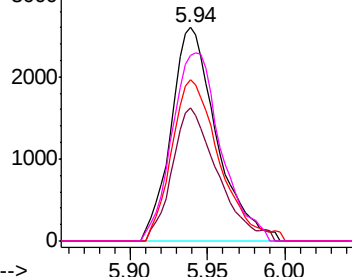
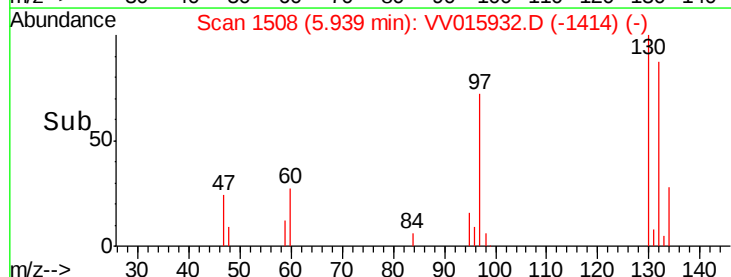
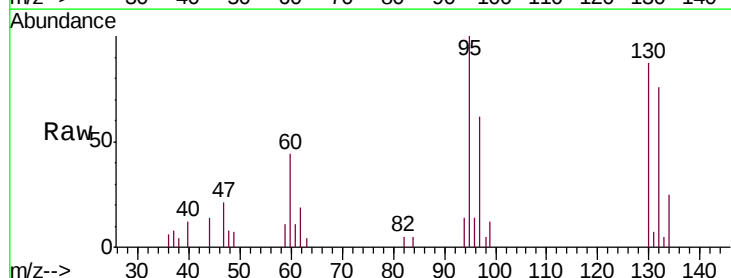
Ion	Ratio	Lower	Upper
95	100		
97	62.3	43.3	80.5
132	75.8	60.3	112.1
130	87.1	66.0	122.6

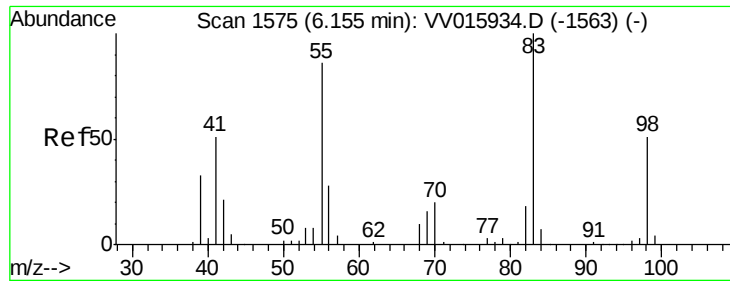
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

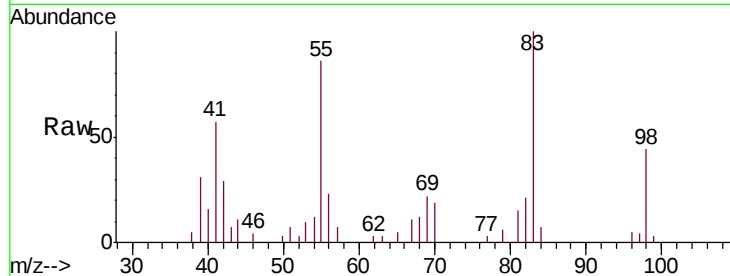




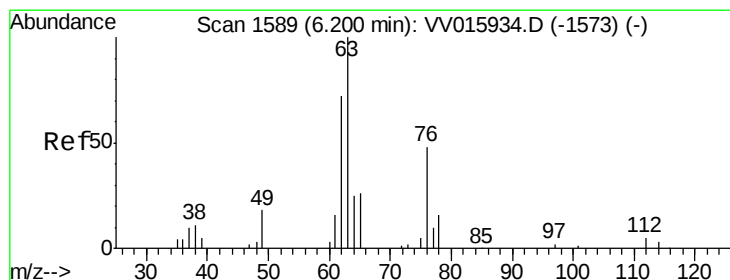
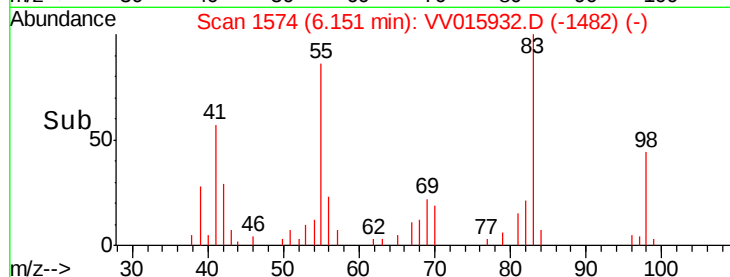
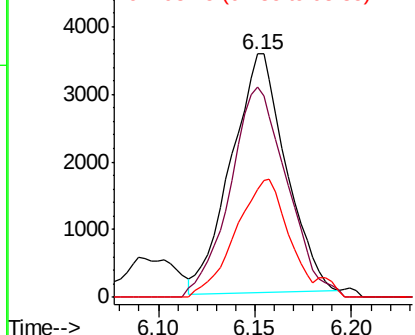
#35
Methylcyclohexane
Concen: 0.410 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion: 83 Resp: 6975
Ion Ratio Lower Upper
83 100
55 90.9 66.2 99.2
98 47.3 37.9 56.9

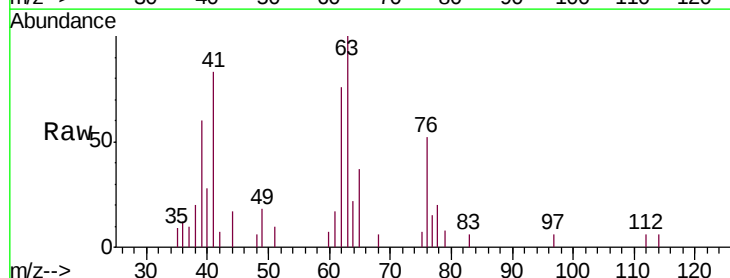


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

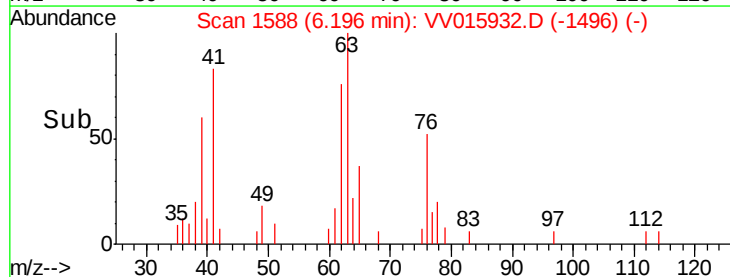
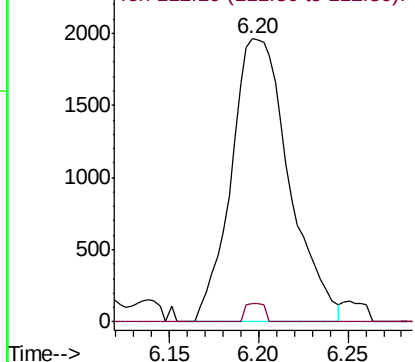


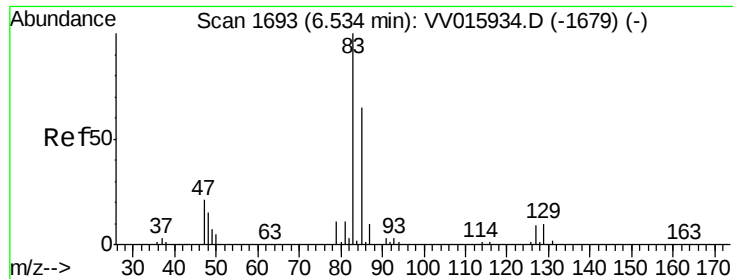
#37
1,2-Dichloropropane
Concen: 0.466 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

Tgt Ion: 63 Resp: 4433
Ion Ratio Lower Upper
63 100
112 2.1 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

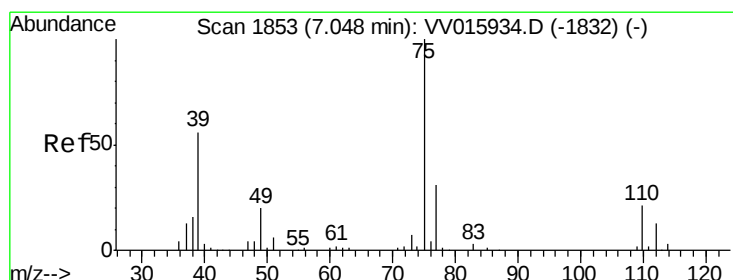
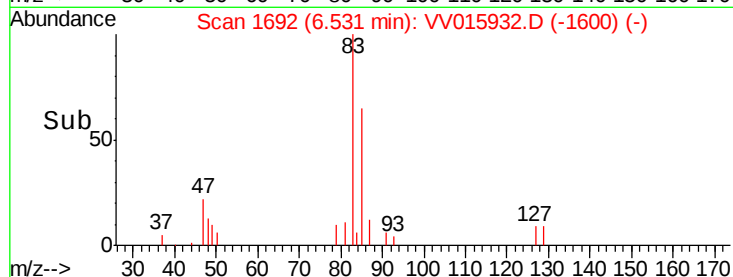
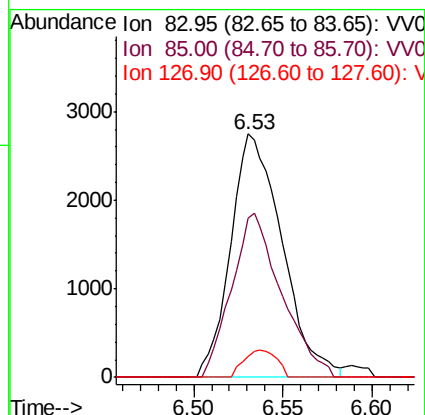
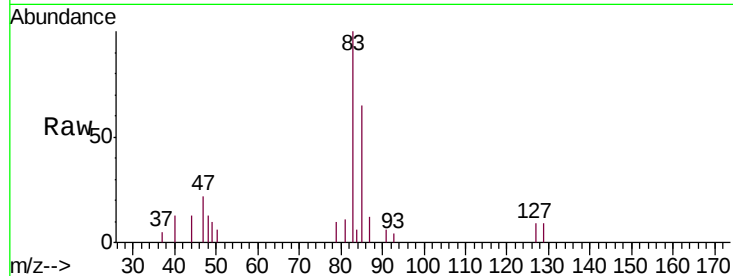




#38
Bromodichloromethane
Concen: 0.457 ug/L
RT: 6.53 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

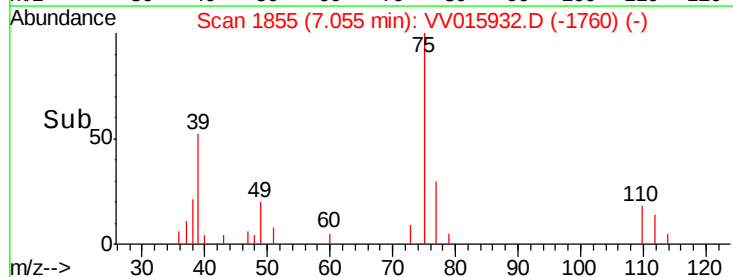
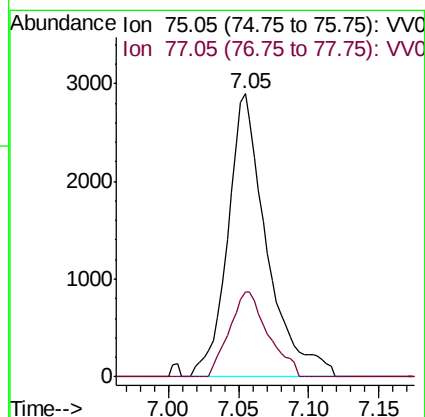
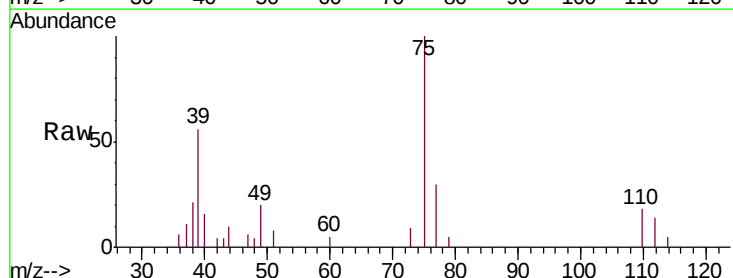
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

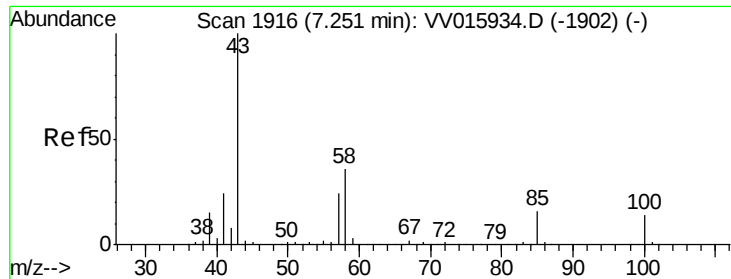
Tgt Ion: 83 Resp: 5522
Ion Ratio Lower Upper
83 100
85 65.3 45.5 84.5
127 8.7 6.2 9.4



#39
cis-1,3-Dichloropropene
Concen: 0.413 ug/L
RT: 7.05 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

Tgt Ion: 75 Resp: 5582
Ion Ratio Lower Upper
75 100
77 30.2 21.3 39.5

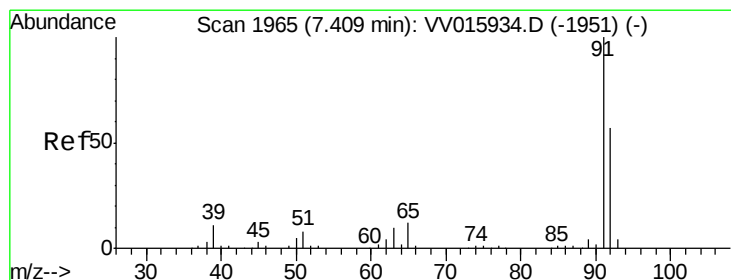
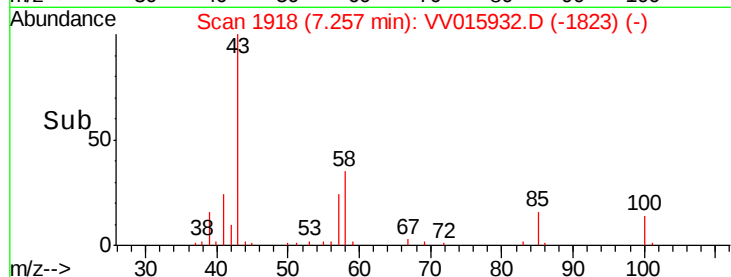
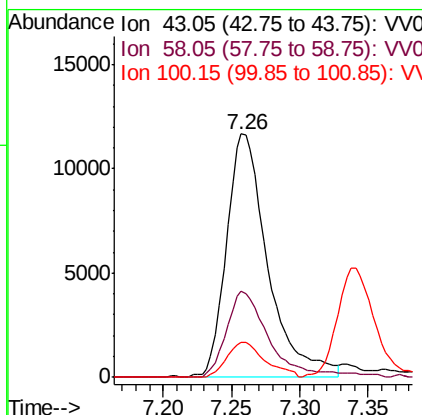
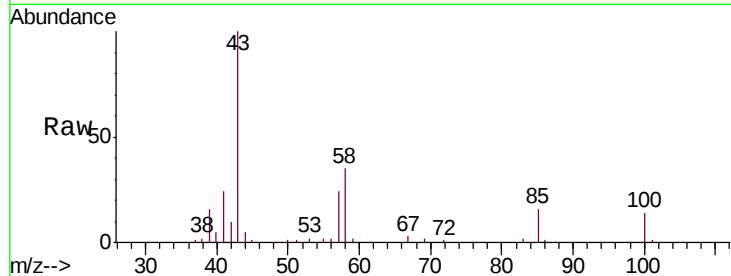




#40
4-Methyl-2-pentanone
Concen: 4.056 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

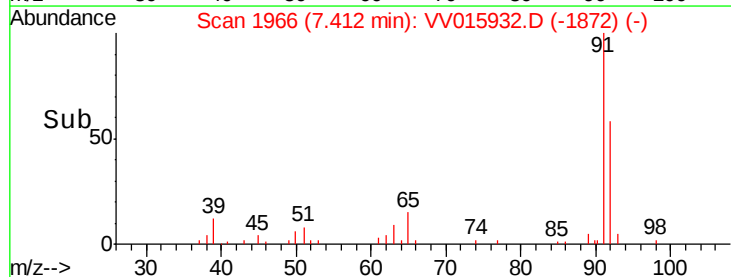
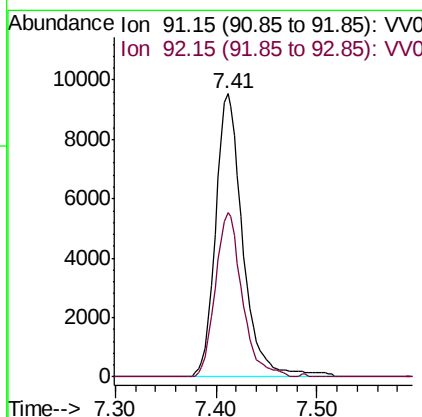
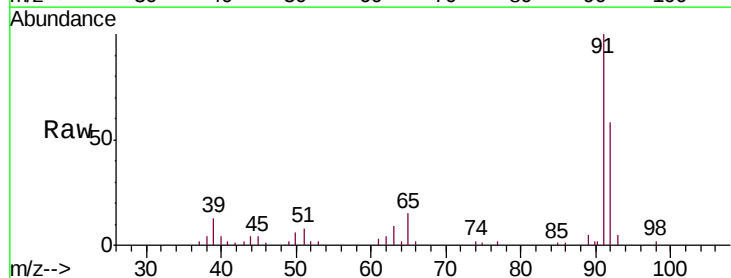
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

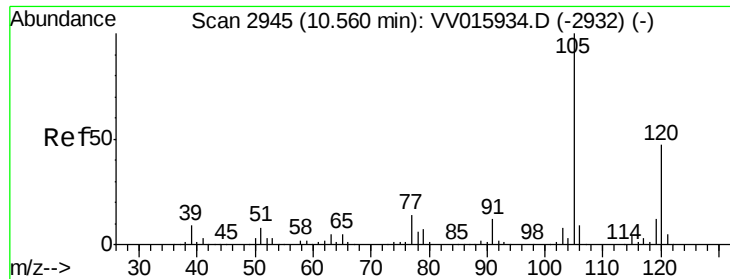
Tgt Ion: 43 Resp: 24630
Ion Ratio Lower Upper
43 100
58 34.7 29.0 43.4
100 13.3 10.9 16.3



#42
Toluene
Concen: 0.440 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

Tgt Ion: 91 Resp: 17962
Ion Ratio Lower Upper
91 100
92 58.1 40.1 74.5





#43

1,3,5-Trimethylbenzene

Concen: 0.376 ug/L

RT: 10.56 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

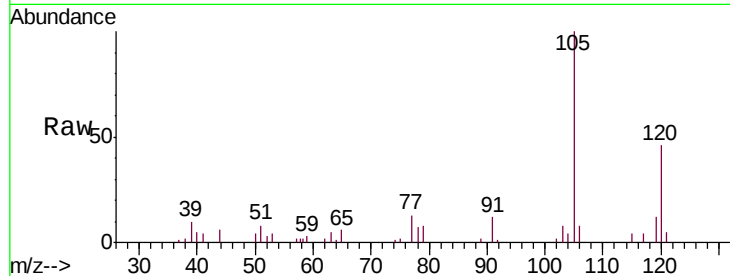
VSTD0.531

Tgt Ion:105 Resp: 14205

Ion Ratio Lower Upper

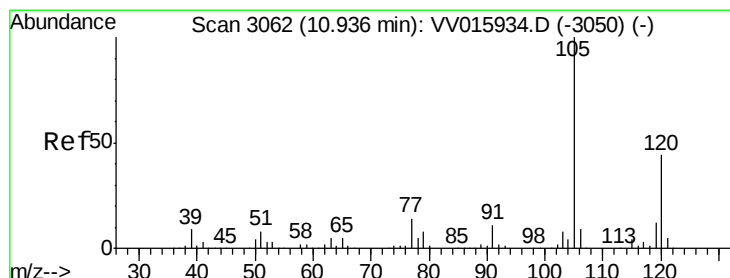
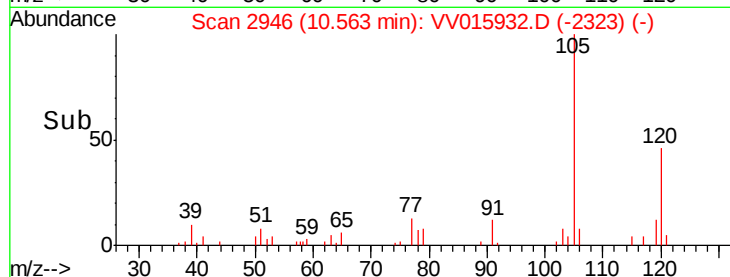
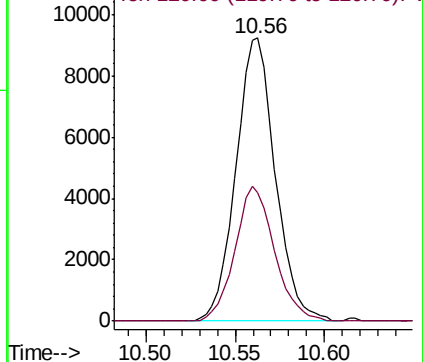
105 100

120 47.8 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 0.357 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VV015932.D

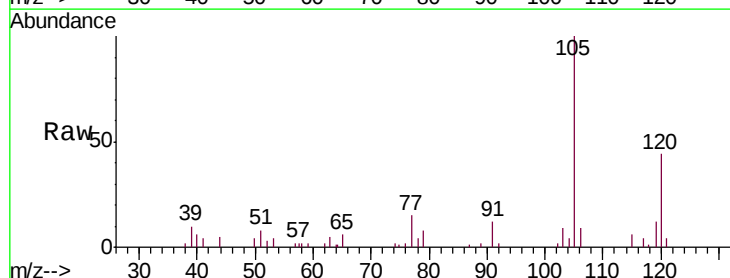
Acq: 07 May 2020 10:05

Tgt Ion:105 Resp: 13655

Ion Ratio Lower Upper

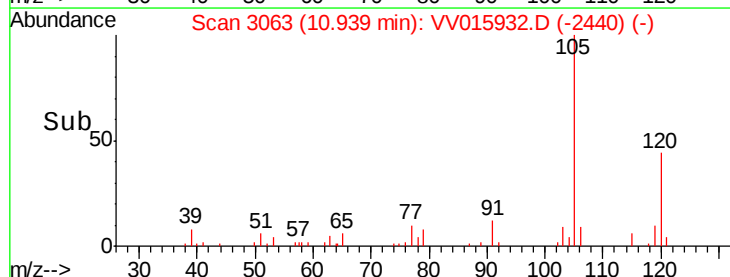
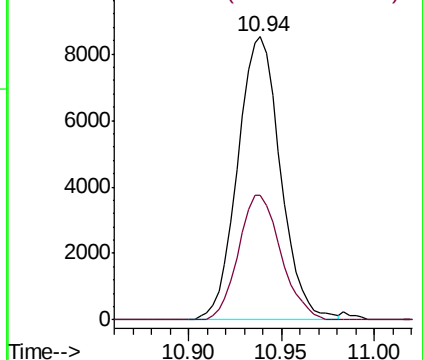
105 100

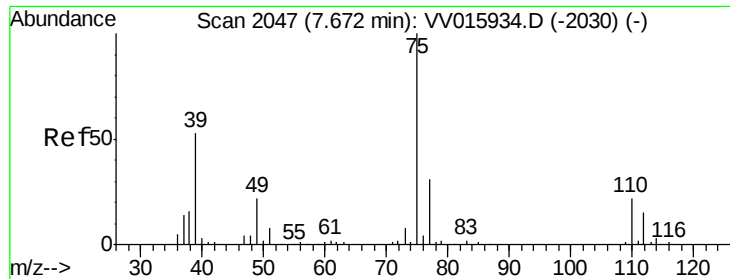
120 43.5 0.0 0.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#46

trans-1,3-Dichloropropene

Concen: 0.402 ug/L

RT: 7.68 min Scan# 2050

Delta R.T. 0.01 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

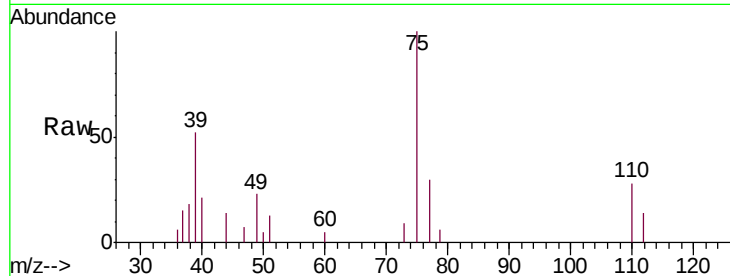
VSTD0.531

Tgt Ion: 75 Resp: 4597

Ion Ratio Lower Upper

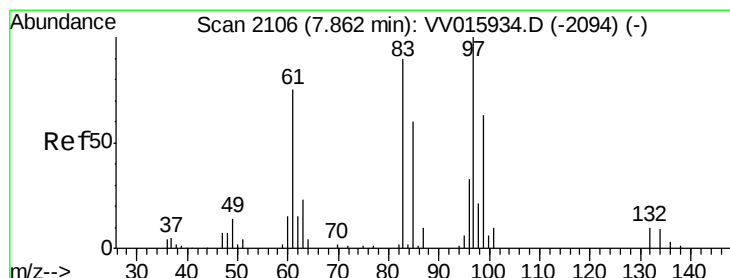
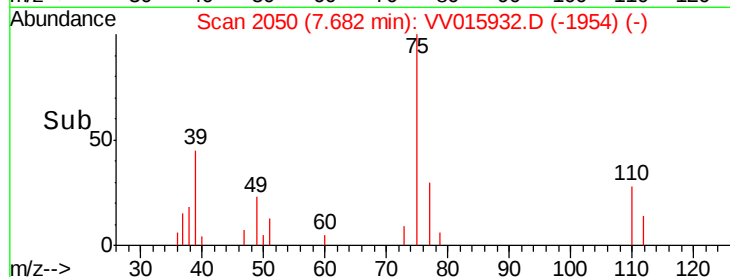
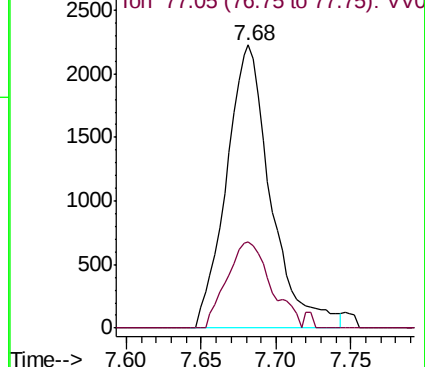
75 100

77 30.5 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV015932.D (-1954) (-)

Ion 77.05 (76.75 to 77.75): VV015932.D (-1954) (-)



#47

1,1,2-Trichloroethane

Concen: 0.487 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Tgt Ion: 97 Resp: 3118

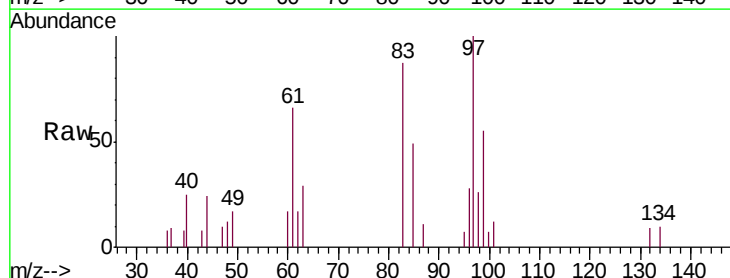
Ion Ratio Lower Upper

97 100

99 55.3 42.1 78.1

83 87.1 59.2 110.0

85 49.1 38.6 71.8

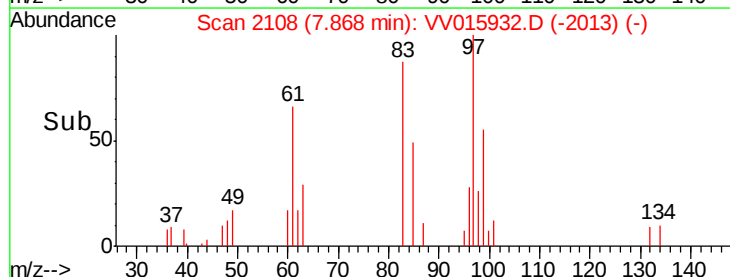
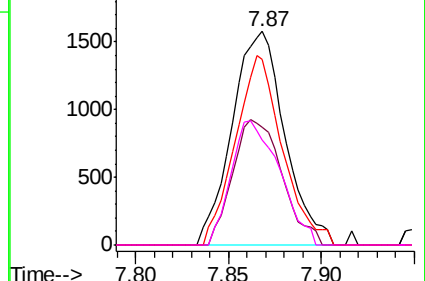


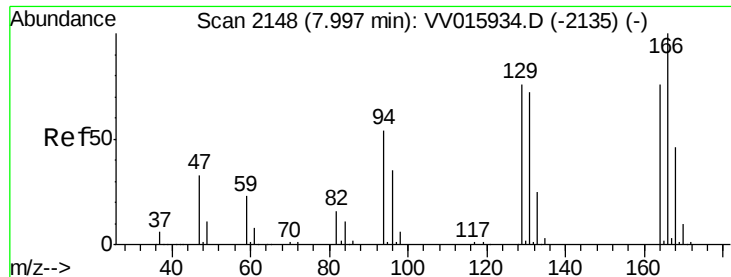
Abundance Ion 96.95 (96.65 to 97.65): VV015932.D (-2013) (-)

Ion 99.05 (98.75 to 99.75): VV015932.D (-2013) (-)

Ion 82.95 (82.65 to 83.65): VV015932.D (-2013) (-)

Ion 85.00 (84.70 to 85.70): VV015932.D (-2013) (-)





#49

Tetrachloroethene

Concen: 0.429 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tgt Ion:164 Resp: 3329

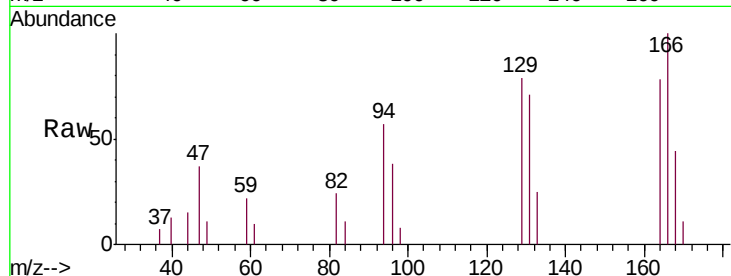
Ion Ratio Lower Upper

164 100

129 101.7 69.7 129.4

131 91.9 66.8 124.2

166 128.9 89.1 165.5

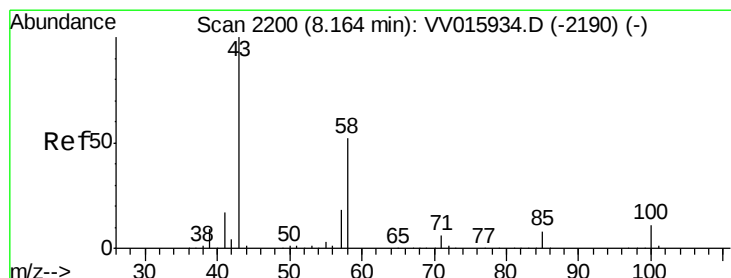
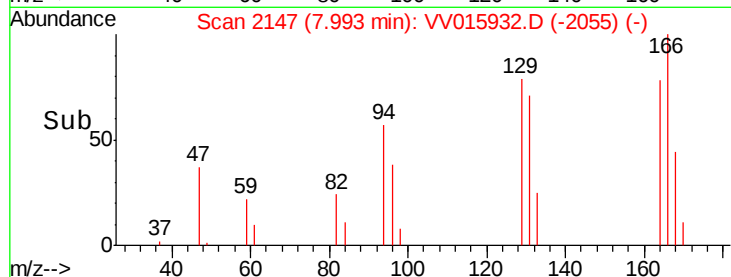
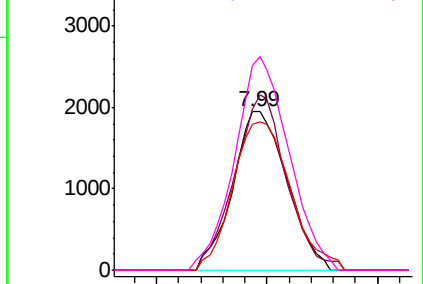


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 3.825 ug/L

RT: 8.17 min Scan# 2203

Delta R.T. 0.01 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Tgt Ion: 43 Resp: 16333

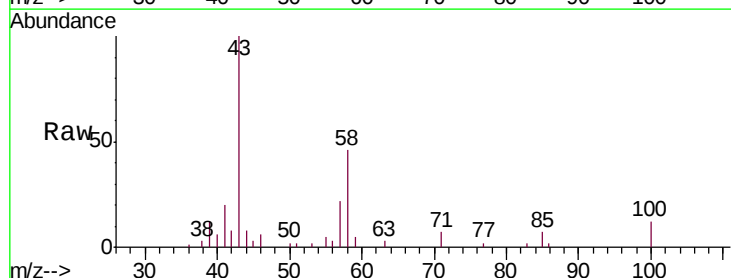
Ion Ratio Lower Upper

43 100

58 46.0 40.8 61.2

57 20.6 14.7 22.1

100 11.0 9.0 13.6

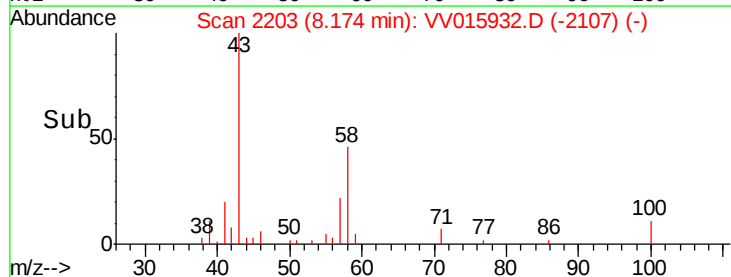
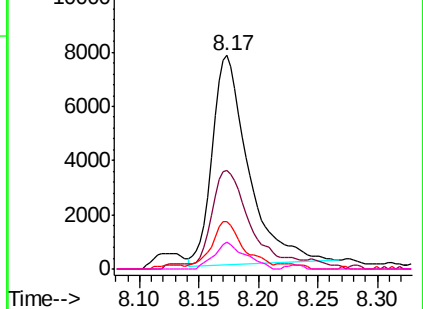


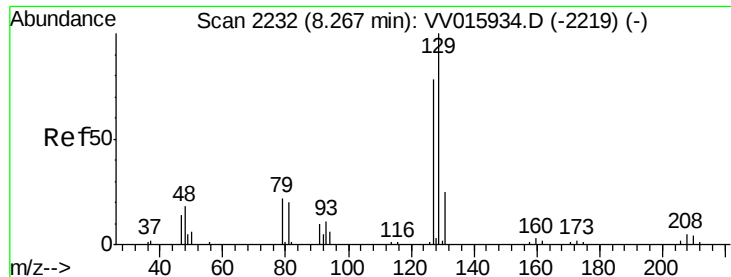
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

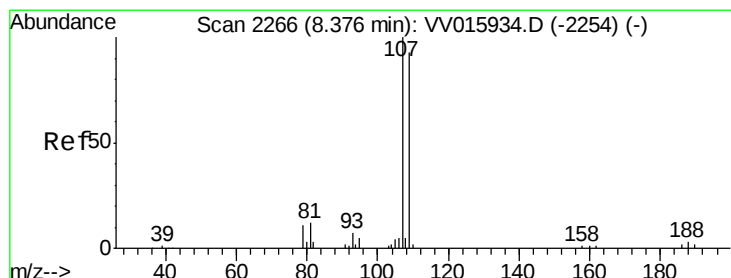
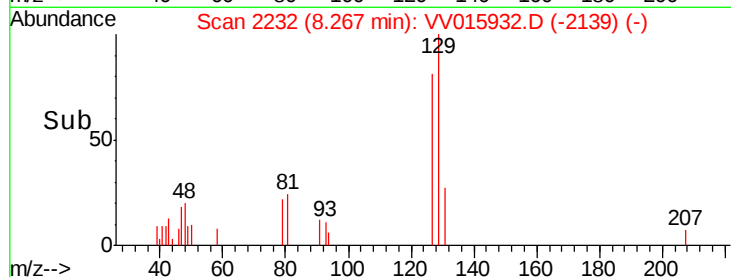
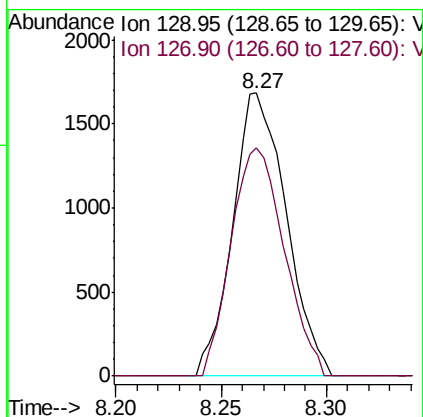
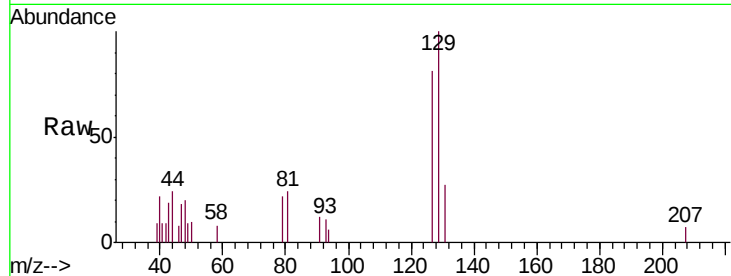




#51
 Dibromochloromethane
 Concen: 0.422 ug/L
 RT: 8.27 min Scan# 2232
 Delta R.T. -0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

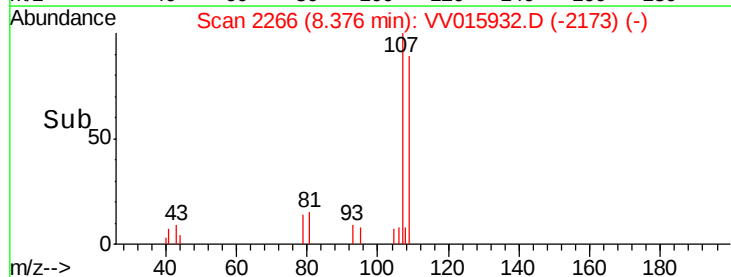
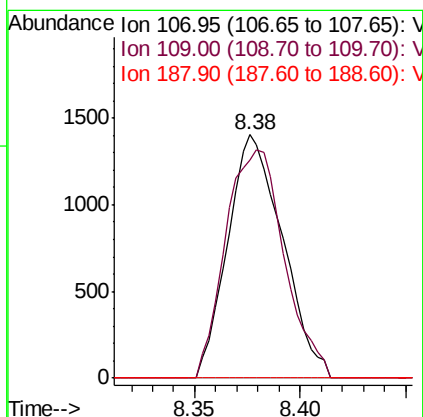
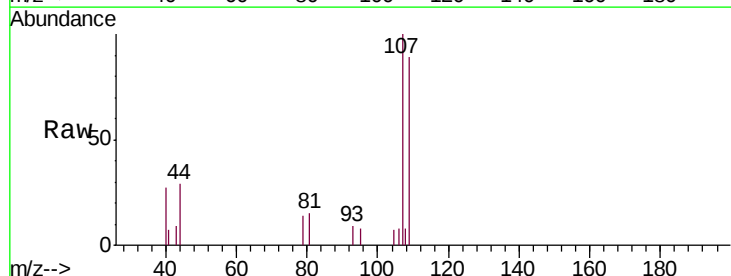
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

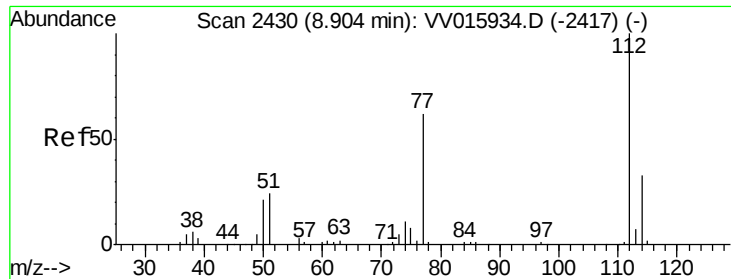
Tgt Ion:129 Resp: 2971
 Ion Ratio Lower Upper
 129 100
 127 80.8 56.0 104.0



#52
 1,2-Dibromoethane
 Concen: 0.413 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. -0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

Tgt Ion:107 Resp: 2526
 Ion Ratio Lower Upper
 107 100
 109 89.5 68.9 127.9
 188 0.0 2.7 4.1#

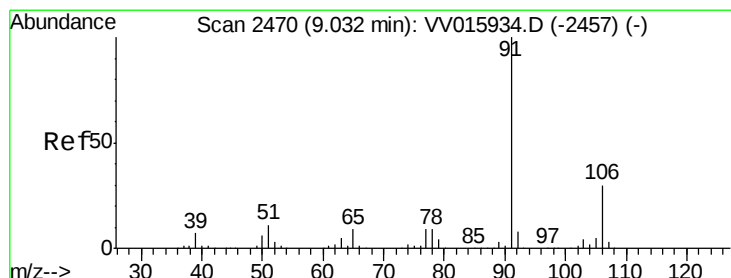
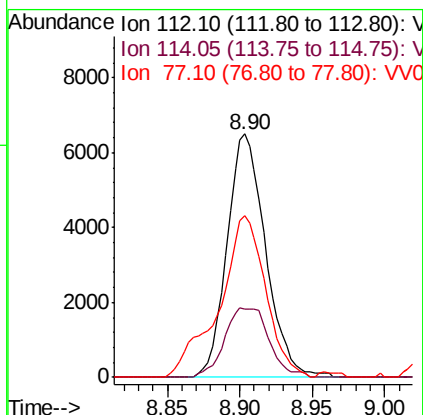
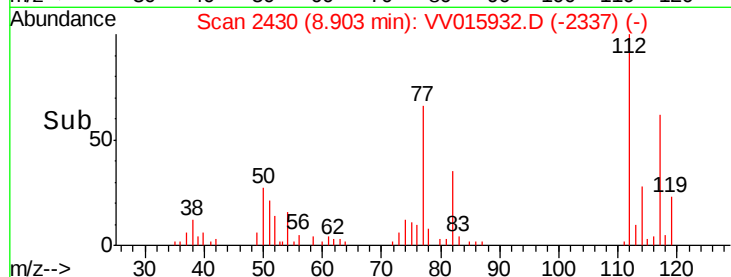
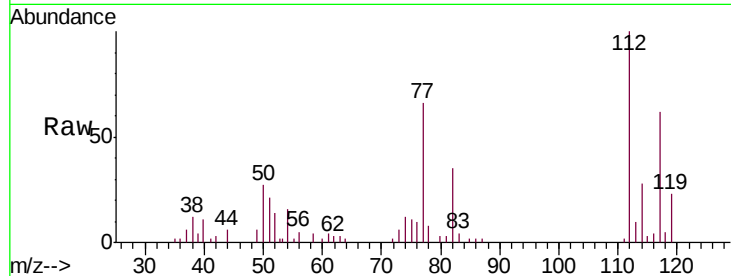




#53
Chlorobenzene
Concen: 0.460 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

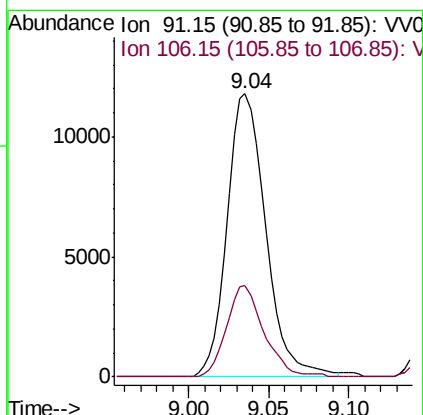
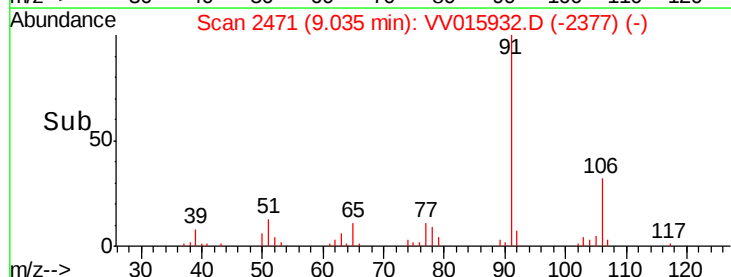
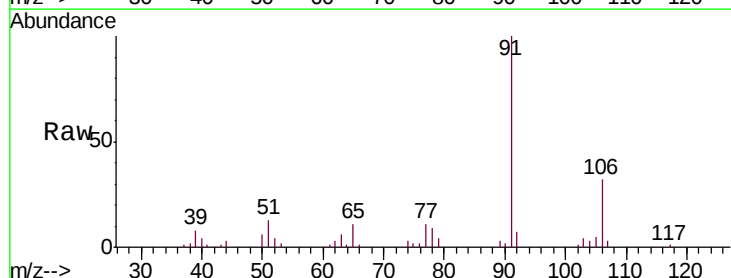
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

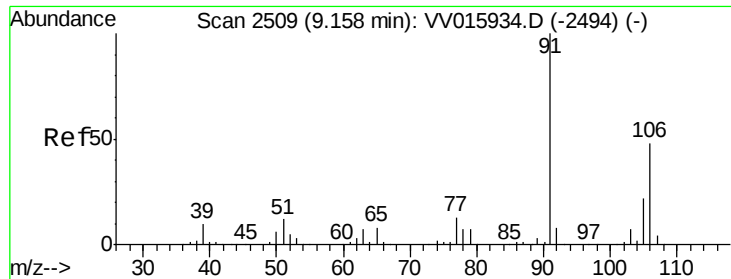
Tgt Ion: 112 Resp: 11988
Ion Ratio Lower Upper
112 100
114 28.1 21.6 40.0
77 66.4 48.6 73.0



#54
Ethylbenzene
Concen: 0.419 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

Tgt Ion: 91 Resp: 19393
Ion Ratio Lower Upper
91 100
106 32.1 20.6 38.4





#55

m,p-xylene

Concen: 0.402 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

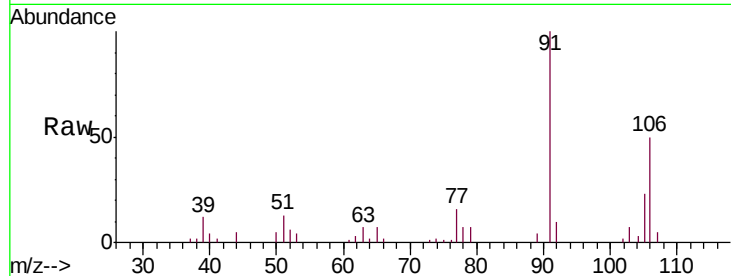
VSTD0.531

Tgt Ion:106 Resp: 6994

Ion Ratio Lower Upper

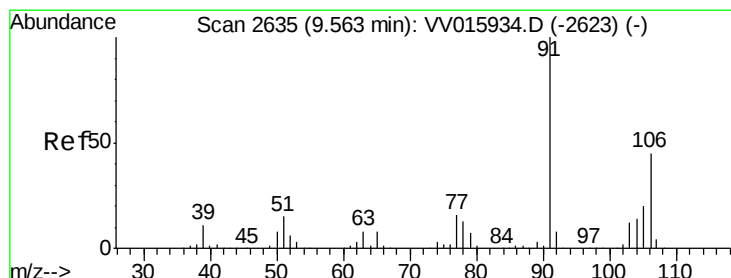
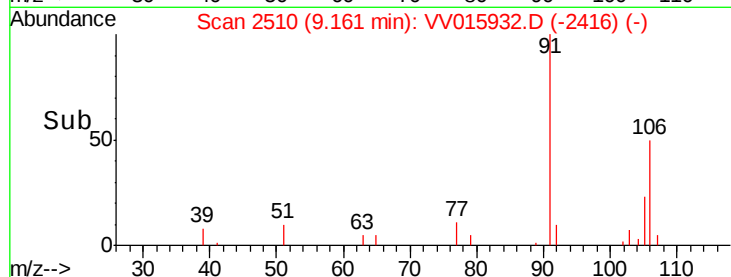
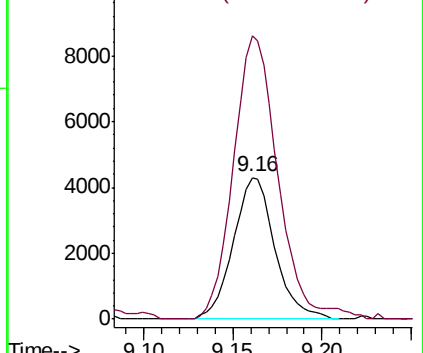
106 100

91 199.4 149.9 278.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

o-xylene

Concen: 0.414 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015932.D

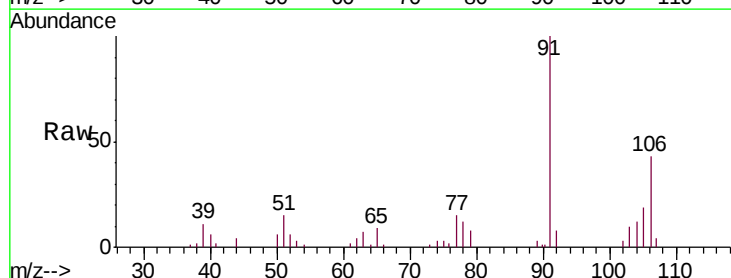
Acq: 07 May 2020 10:05

Tgt Ion:106 Resp: 6801

Ion Ratio Lower Upper

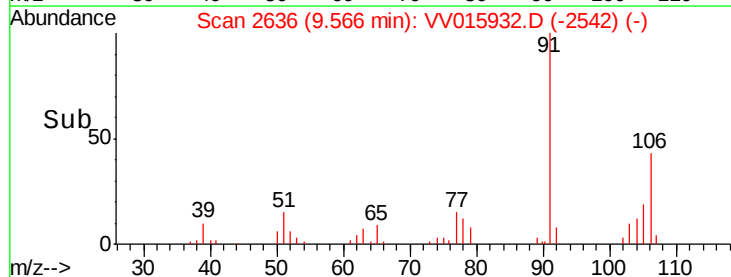
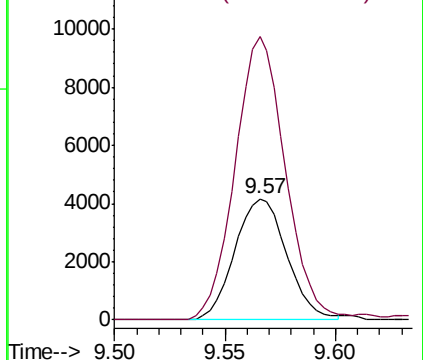
106 100

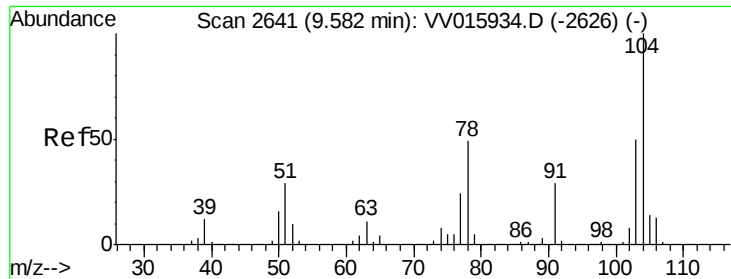
91 233.4 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#57

Styrene

Concen: 0.375 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampleId :

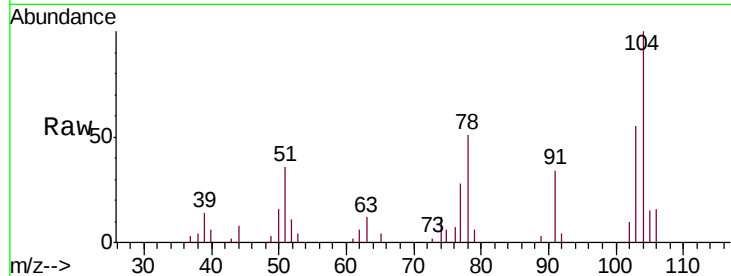
VSTD0.531

Tgt Ion:104 Resp: 10373

Ion Ratio Lower Upper

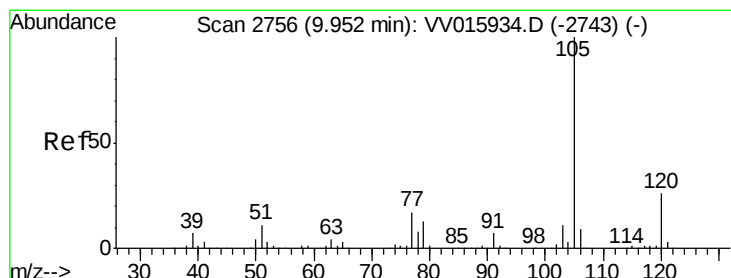
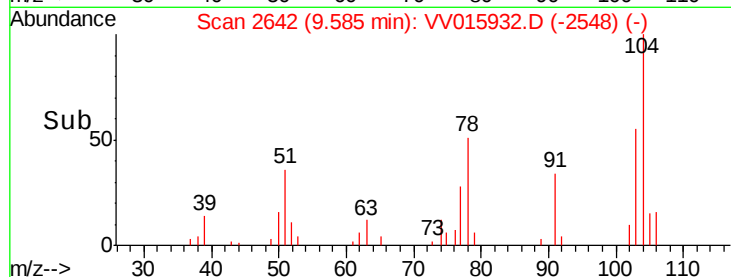
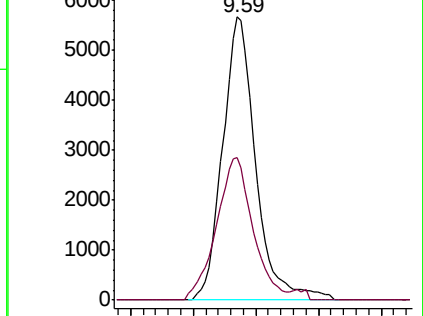
104 100

78 50.5 33.9 63.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#58

Isopropylbenzene

Concen: 0.402 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

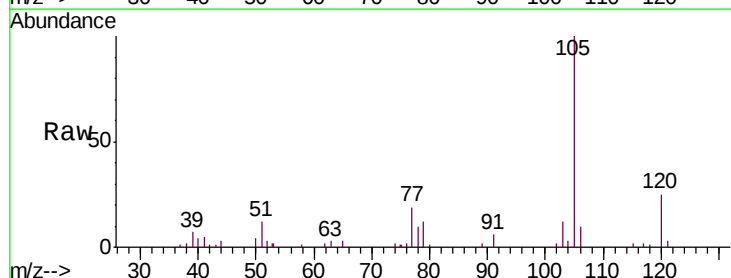
Tgt Ion:105 Resp: 18277

Ion Ratio Lower Upper

105 100

120 25.3 20.8 31.2

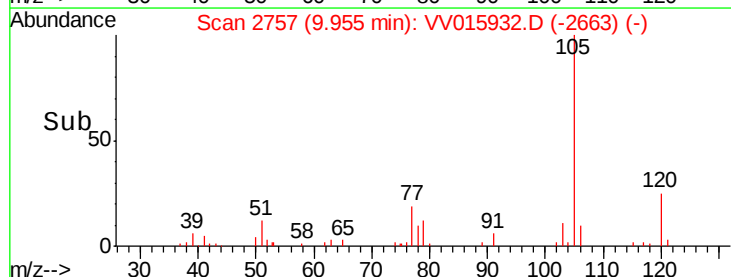
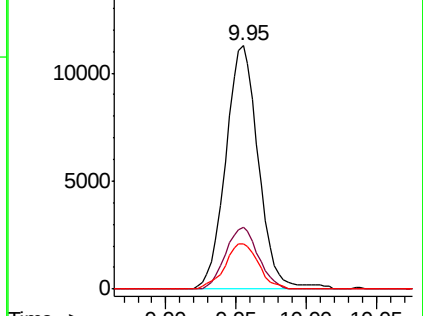
77 19.1 14.1 21.1

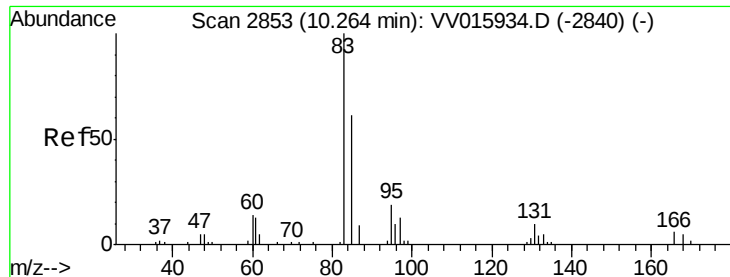


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

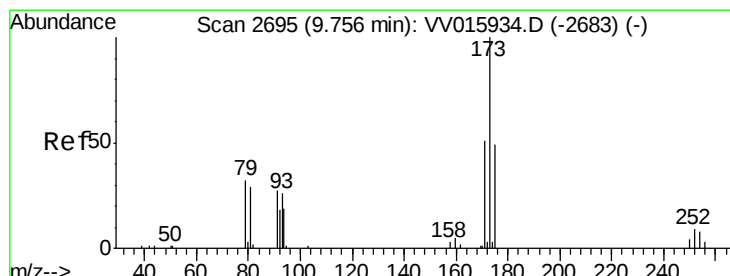
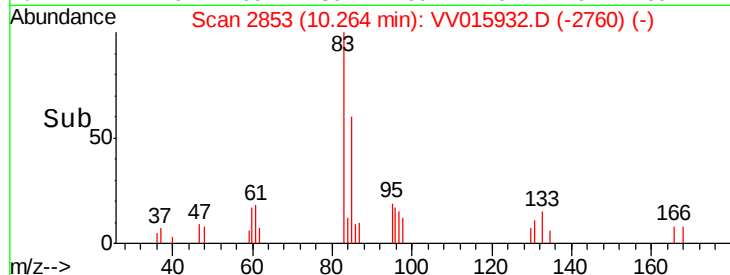
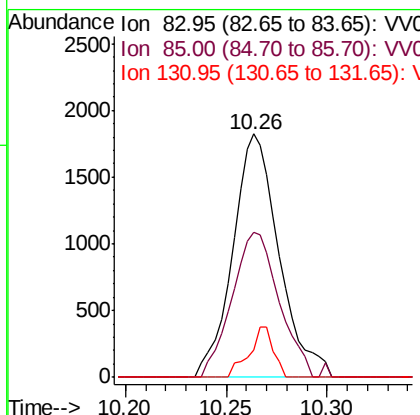
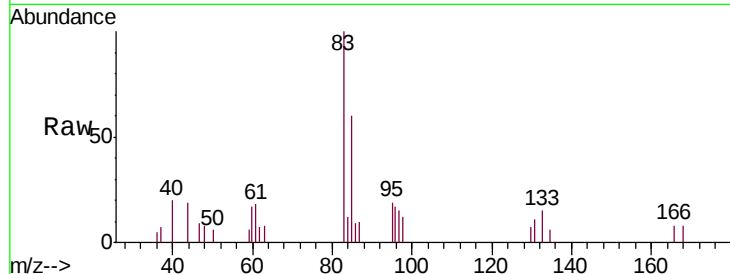




#60
1,1,2,2-Tetrachloroethane
Concen: 0.399 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

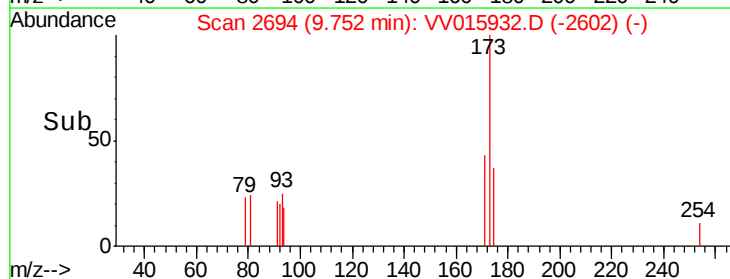
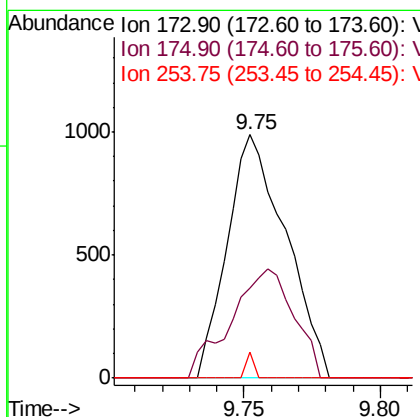
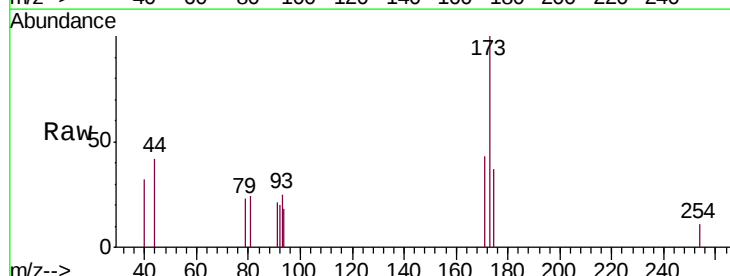
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

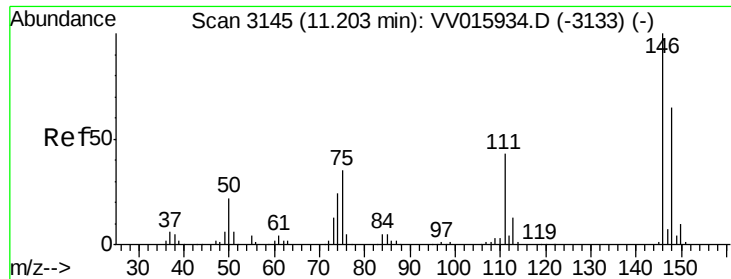
Tgt Ion: 83 Resp: 2917
Ion Ratio Lower Upper
83 100
85 59.6 44.0 81.6
131 11.4 7.7 11.5



#62
Bromoform
Concen: 0.477 ug/L
RT: 9.75 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VV015932.D
Acq: 07 May 2020 10:05

Tgt Ion: 173 Resp: 1475
Ion Ratio Lower Upper
173 100
175 48.0 39.8 59.8
254 1.4 7.1 10.7#

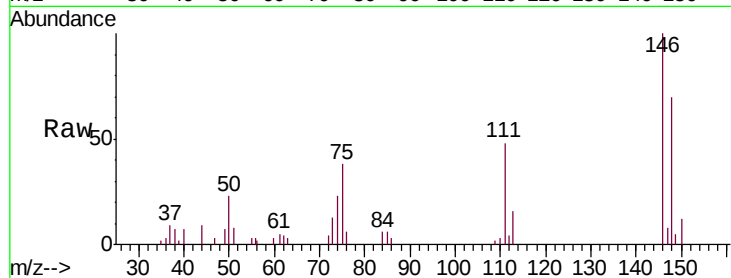




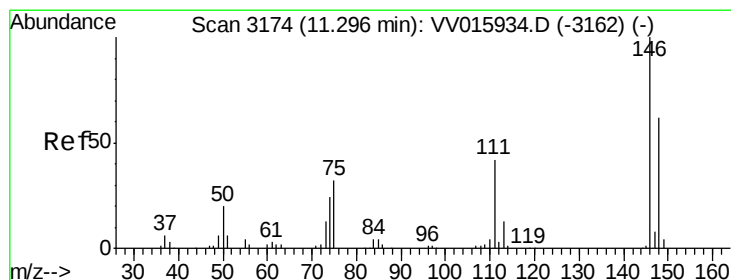
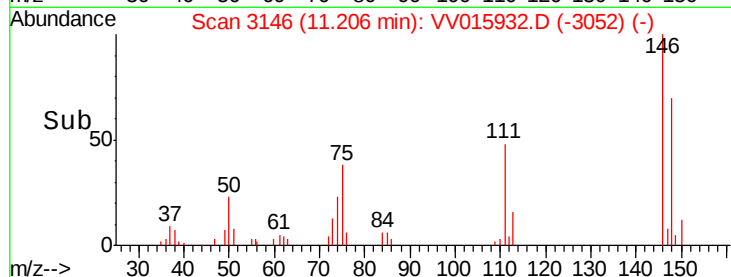
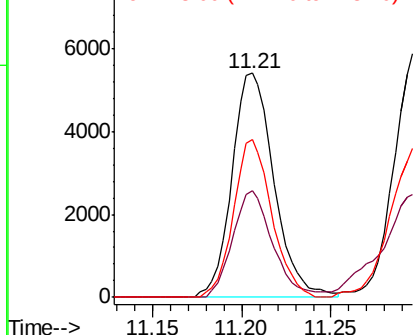
#63
 1,3-Dichlorobenzene
 Concen: 0.441 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion:146 Resp: 8900
 Ion Ratio Lower Upper
 146 100
 111 47.8 28.7 53.3
 148 70.2 44.0 81.8

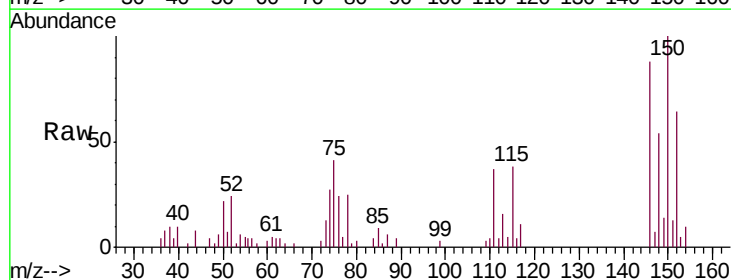


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

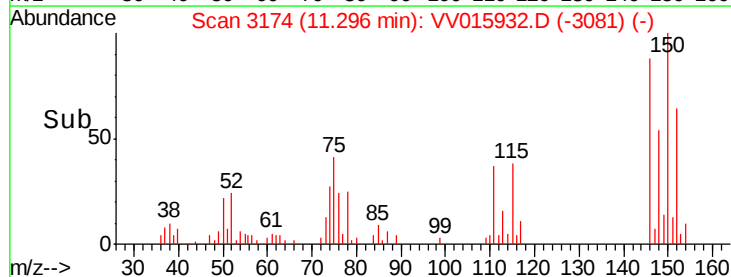
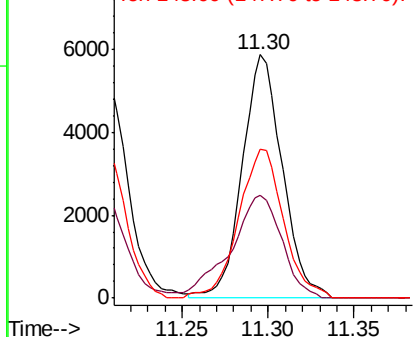


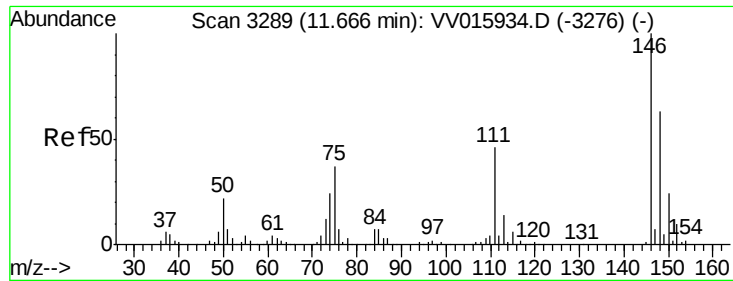
#64
 1,4-Dichlorobenzene
 Concen: 0.477 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

Tgt Ion:146 Resp: 9498
 Ion Ratio Lower Upper
 146 100
 111 42.1 28.9 53.7
 148 61.0 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

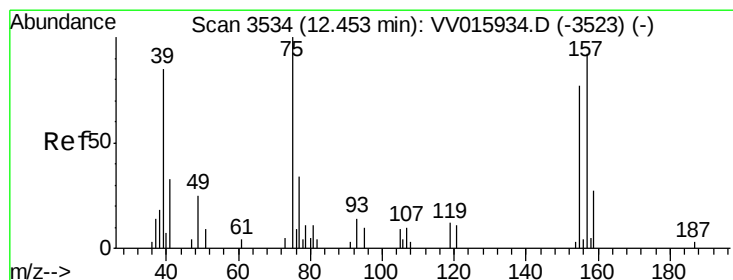
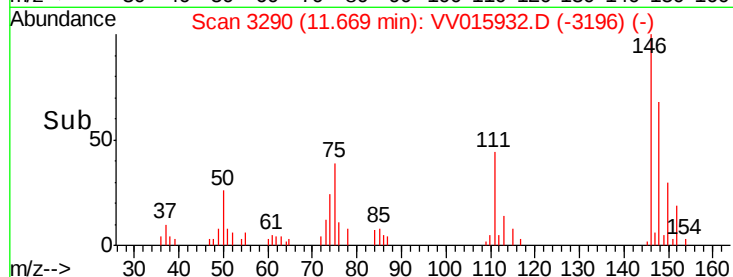
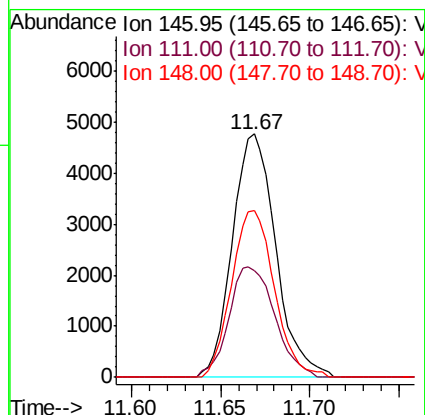
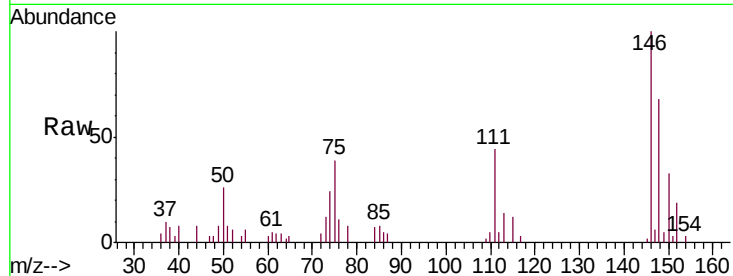




#66
 1,2-Dichlorobenzene
 Concen: 0.444 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

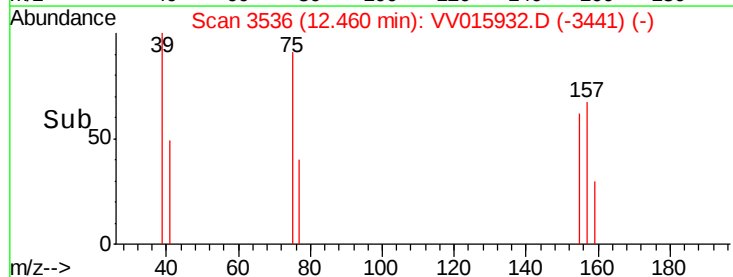
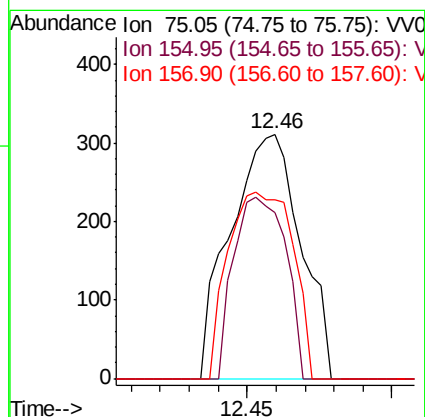
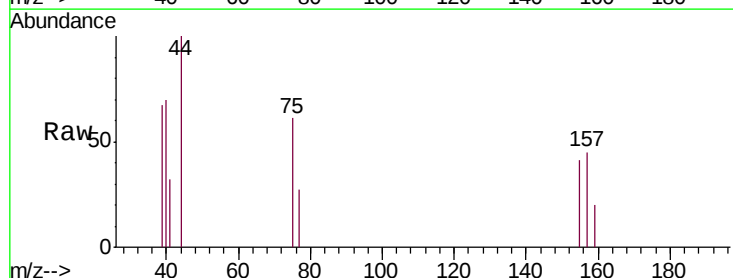
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

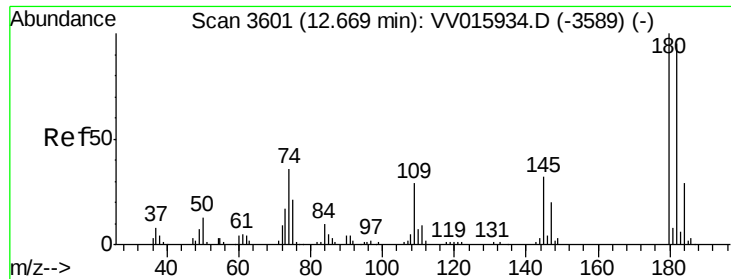
Tgt Ion: 146 Resp: 8078
 Ion Ratio Lower Upper
 146 100
 111 43.7 37.0 55.4
 148 68.4 49.8 74.6



#67
 1,2-Dibromo-3-chloropropane
 Concen: 0.417 ug/L
 RT: 12.46 min Scan# 3536
 Delta R.T. 0.01 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

Tgt Ion: 75 Resp: 524
 Ion Ratio Lower Upper
 75 100
 155 68.2 58.2 87.4
 157 73.3 79.4 119.2#

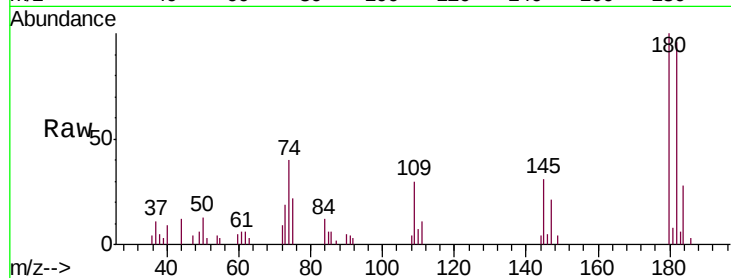




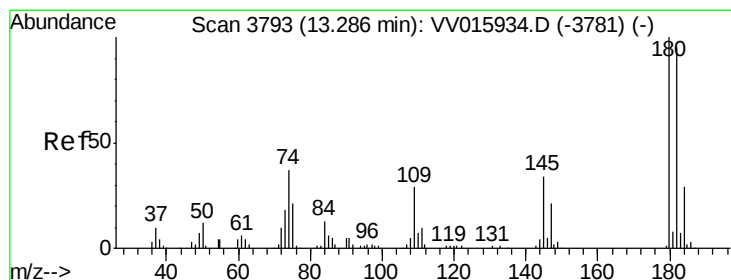
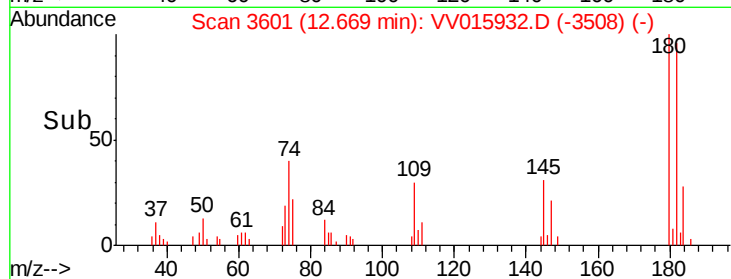
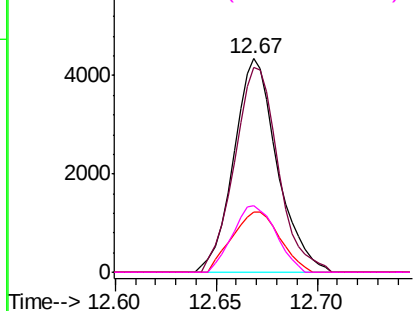
#68
 1,3,5-Trichlorobenzene
 Concen: 0.441 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion:180 Resp: 6569
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.8 113.6
 184 31.0 24.6 36.8
 145 31.2 26.0 39.0

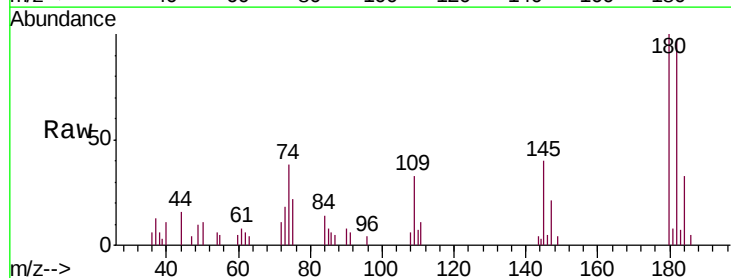


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

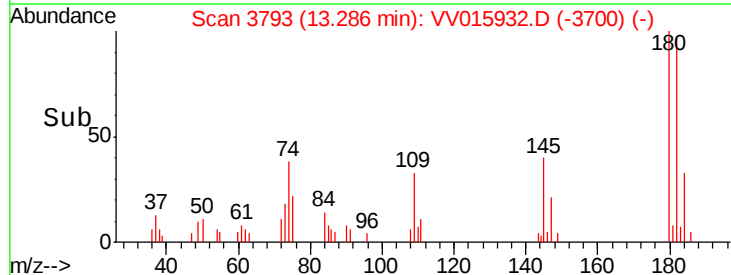
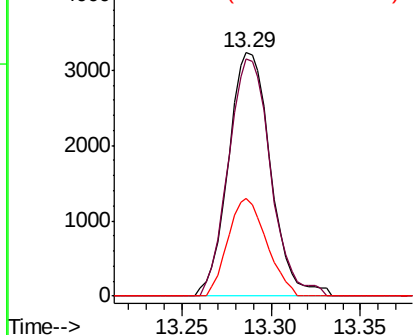


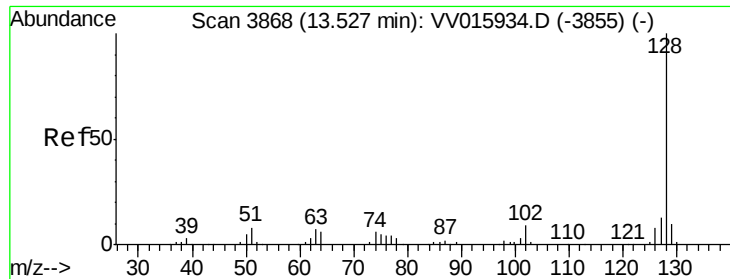
#69
 1,2,4-trichlorobenzene
 Concen: 0.425 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015932.D
 Acq: 07 May 2020 10:05

Tgt Ion:180 Resp: 5331
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.7 115.1
 145 36.7 26.4 39.6



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





#70

Naphthalene

Concen: 0.347 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

Instrument :

MSVOA_V

ClientSampled :

VSTD0.531

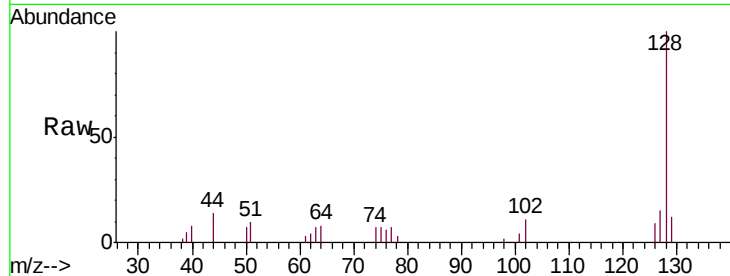
Tgt Ion:128 Resp: 7236

Ion Ratio Lower Upper

128 100

129 11.6 8.5 12.7

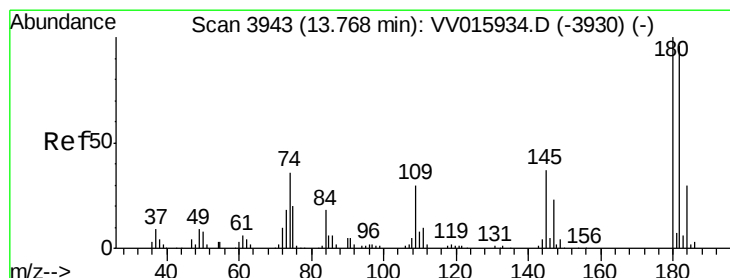
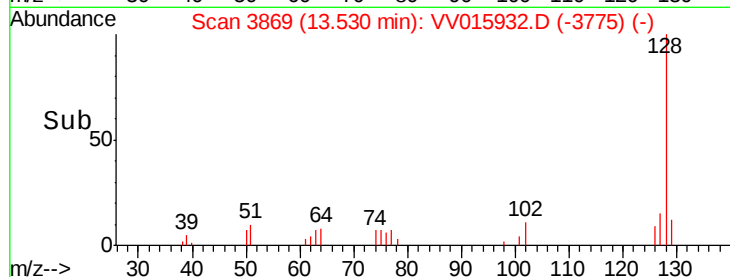
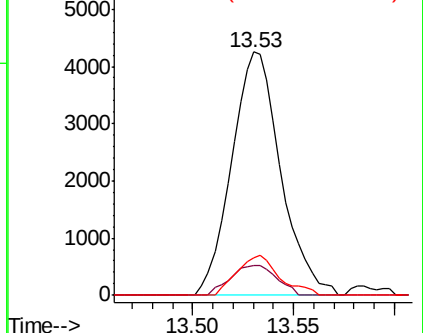
127 14.1 10.2 15.2



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



#71

1,2,3-Trichlorobenzene

Concen: 0.421 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VV015932.D

Acq: 07 May 2020 10:05

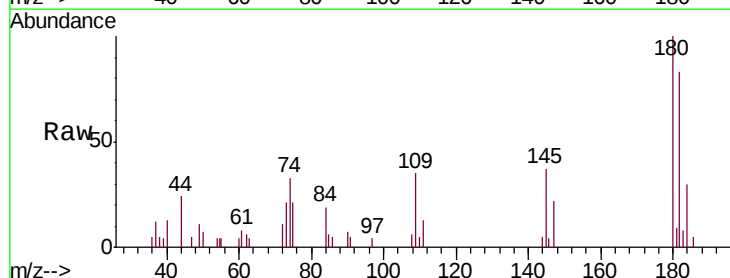
Tgt Ion:180 Resp: 4725

Ion Ratio Lower Upper

180 100

182 88.5 77.0 115.6

145 32.6 28.3 42.5



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

