

Data File : VU032458.D
Acq On : 05 Jun 2019 13:58
Operator : JC/SP
Sample : VSTD01055
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01055

Quant Time: Jun 06 02:06:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 06 02:03:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206452	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187195	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	98011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	13261	8.94	ug/L	0.00
7) Chloroethane-d5	1.68	69	10594	8.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	25519	9.46	ug/L	0.00
21) 2-Butanone-d5	4.18	46	20675	20.08	ug/L	0.01
24) Chloroform-d	4.64	84	24263	9.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	15241	9.71	ug/L	0.00
32) Benzene-d6	5.33	84	49369	10.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	15133	9.91	ug/L	0.00
41) Toluene-d8	7.56	98	45928	10.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	6753	9.53	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	12584	18.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	20365	8.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	18468	9.34	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	18906	11.467 ug/L	100
3) Chloromethane	1.32	50	18374	10.653 ug/L	99
5) Vinyl chloride	1.40	62	18256	10.507 ug/L	98
6) Bromomethane	1.62	94	10983	9.958 ug/L	99
8) Chloroethane	1.69	64	10960	10.431 ug/L	99
9) Trichlorofluoromethane	1.88	101	23997	10.856 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12834	9.897 ug/L	98
12) 1,1-Dichloroethene	2.28	96	12447	9.493 ug/L	80
13) Acetone	2.32	43	23850	24.084 ug/L	99
14) Carbon disulfide	2.47	76	37080	9.387 ug/L	99
15) Methyl Acetate	2.61	43	16605	10.716 ug/L	98
16) Methylene chloride	2.69	84	13835	9.046 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	13225	9.690 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	43061	10.282 ug/L	98
19) 1,1-Dichloroethane	3.44	63	23854	9.592 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	15036	9.815 ug/L	98
22) 2-Butanone	4.27	43	26719	22.548 ug/L	100
23) Bromochloromethane	4.54	128	7550	9.331 ug/L	94
25) Chloroform	4.67	83	24582	9.542 ug/L	98
27) 1,2-Dichloroethane	5.40	62	19267	9.959 ug/L	# 95
29) Cyclohexane	4.99	56	23255	11.879 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	21233	10.588 ug/L	97
31) Carbon tetrachloride	5.13	117	19987	11.528 ug/L	99
33) Benzene	5.38	78	53548	10.201 ug/L	100
34) Trichloroethene	6.18	95	15166	11.140 ug/L	96
35) Methylcyclohexane	6.41	83	24086	11.521 ug/L	99
37) 1,2-Dichloropropane	6.43	63	14462	10.537 ug/L	# 97
38) Bromodichloromethane	6.75	83	17971	10.149 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	20979	10.216 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	42763	22.742 ug/L	100

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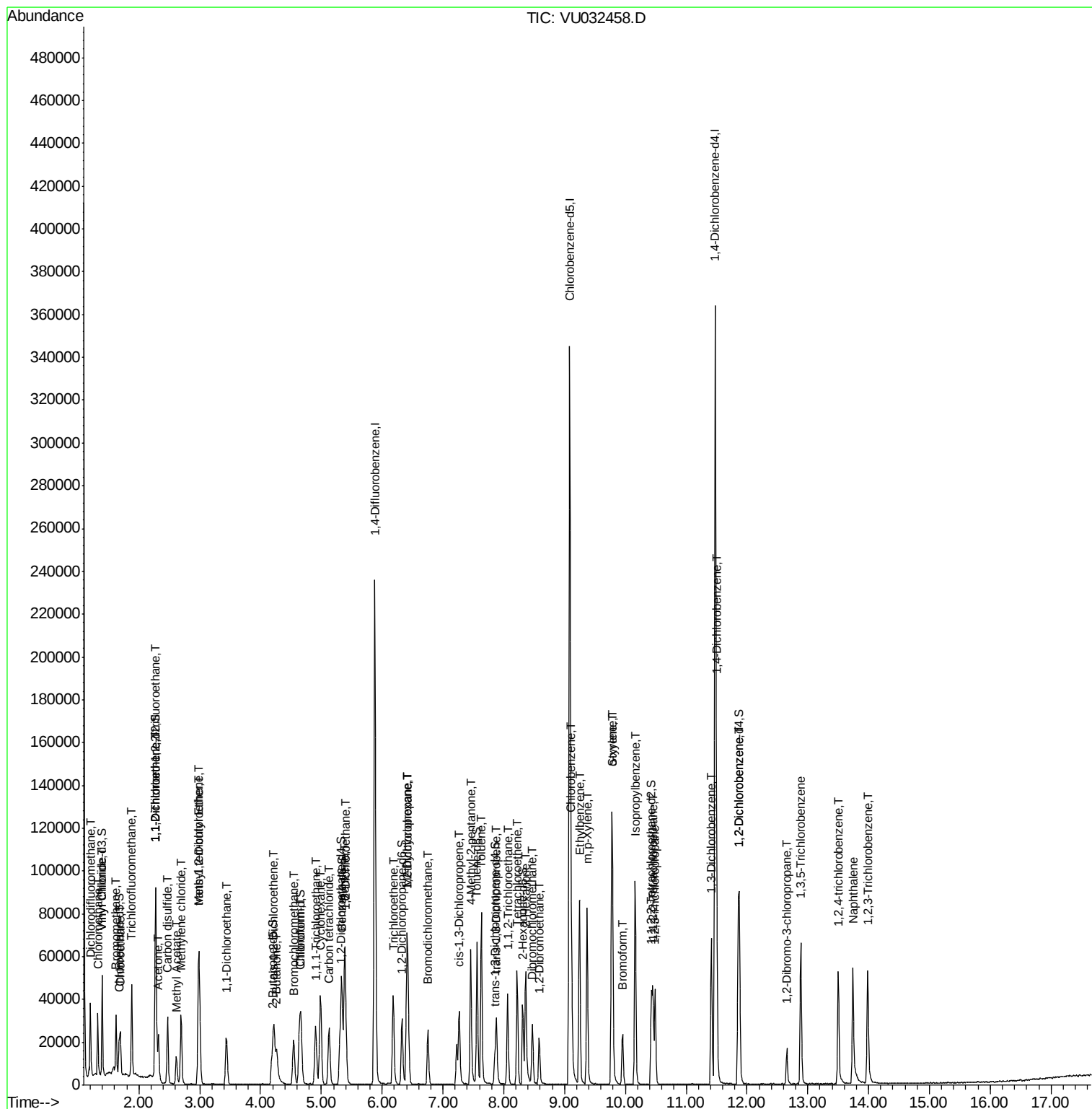
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	58422	10.237	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	18671	10.316	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	13237	9.866	ug/L	97
46) Tetrachloroethene	8.22	164	12150	10.899	ug/L	98
48) 2-Hexanone	8.36	43	33975	22.094	ug/L	97
49) Dibromochloromethane	8.47	129	14714	9.987	ug/L	99
50) 1,2-Dibromoethane	8.58	107	15063	10.556	ug/L	93
51) Chlorobenzene	9.12	112	37314	10.130	ug/L	98
52) Ethylbenzene	9.24	91	63917	10.442	ug/L	99
53) m,p-Xylene	9.37	106	24620	10.515	ug/L	92
54) o-xylene	9.77	106	24478	10.412	ug/L	97
55) Styrene	9.79	104	38515	9.791	ug/L	98
56) Isopropylbenzene	10.16	105	63748	10.606	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	21537	9.301	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	17583	9.618	ug/L	98
61) Bromoform	9.95	173	11036	8.858	ug/L #	97
62) 1,3-Dichlorobenzene	11.41	146	29524	9.839	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	30377	9.922	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	29912	9.556	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	4250	8.148	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	23349	10.442	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	17984	10.167	ug/L	94
69) Naphthalene	13.74	128	57937	10.881	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	20569	10.938	ug/L	95

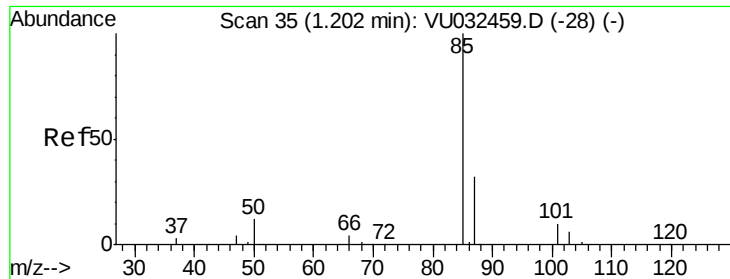
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 11.467 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

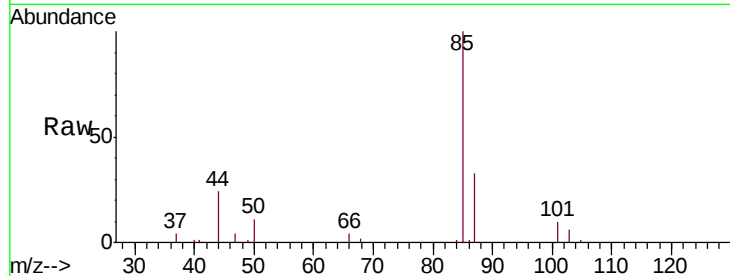
VSTD01055

Tgt Ion: 85 Resp: 18906

Ion Ratio Lower Upper

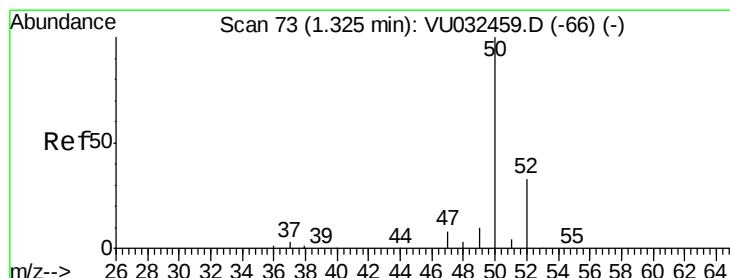
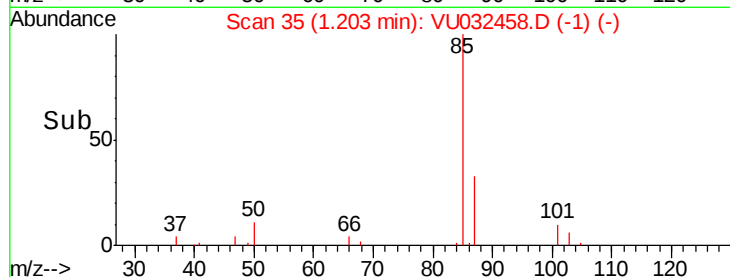
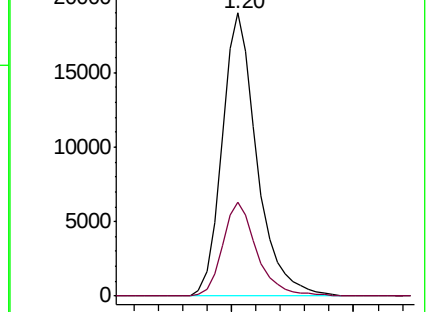
85 100

87 32.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032459.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032459.D (-28) (-)



#3

Chloromethane

Concen: 10.653 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU032458.D

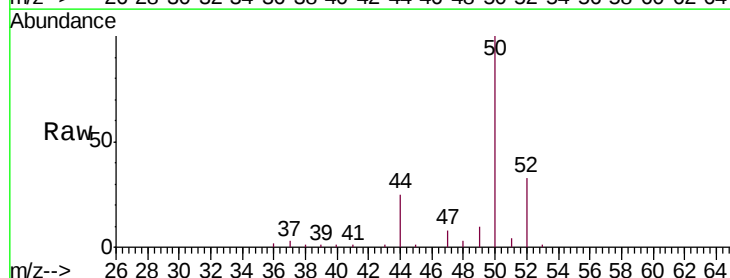
Acq: 05 Jun 2019 13:58

Tgt Ion: 50 Resp: 18374

Ion Ratio Lower Upper

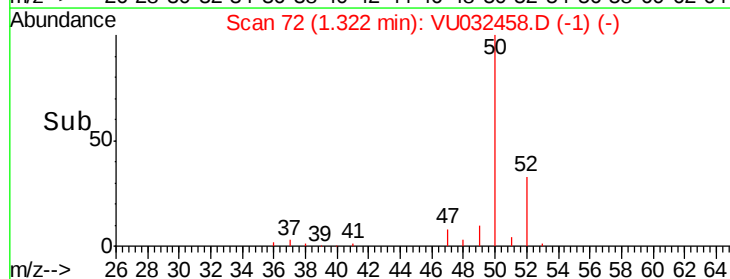
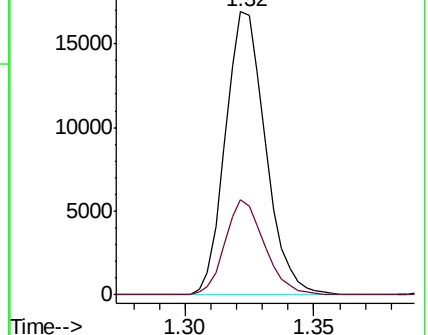
50 100

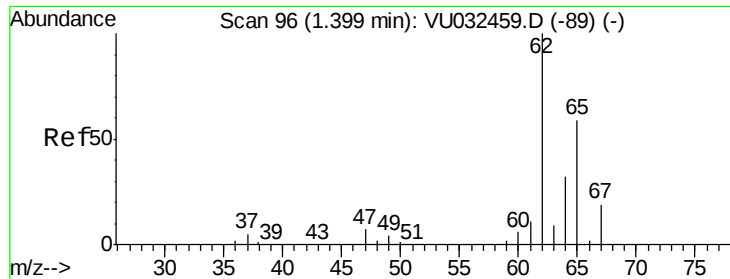
52 33.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032459.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032459.D (-66) (-)





#5

Vinyl chloride

Concen: 10.507 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

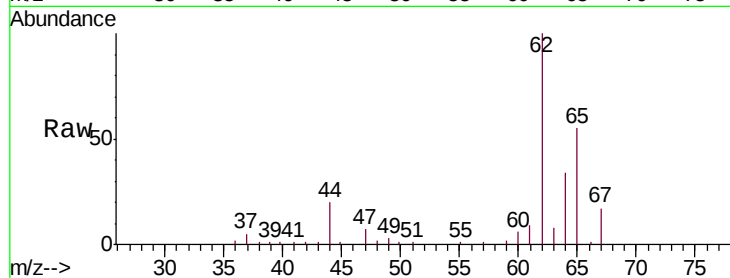
VSTD01055

Tgt Ion: 62 Resp: 18256

Ion Ratio Lower Upper

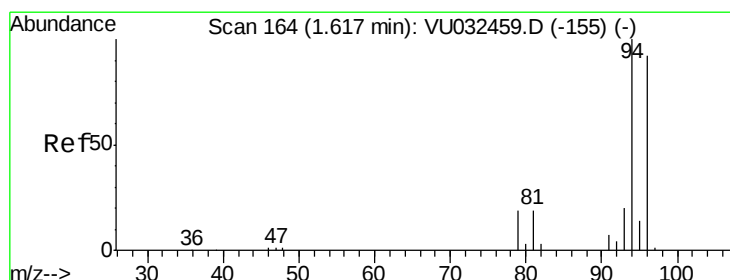
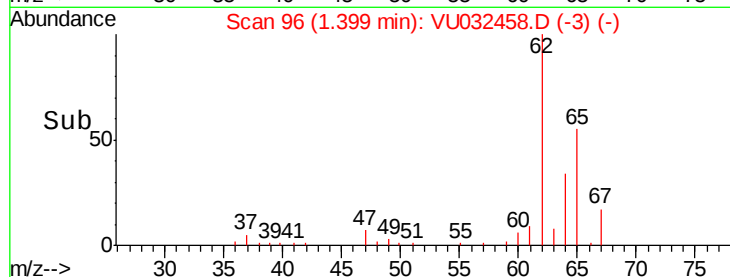
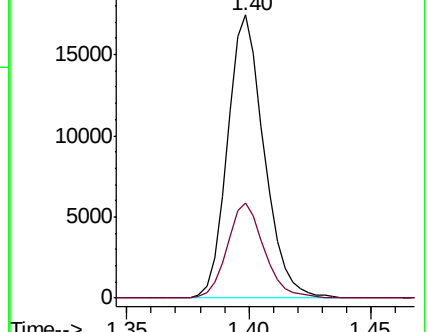
62 100

64 33.7 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032458.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032458.D (-89) (-)



#6

Bromomethane

Concen: 9.958 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU032458.D

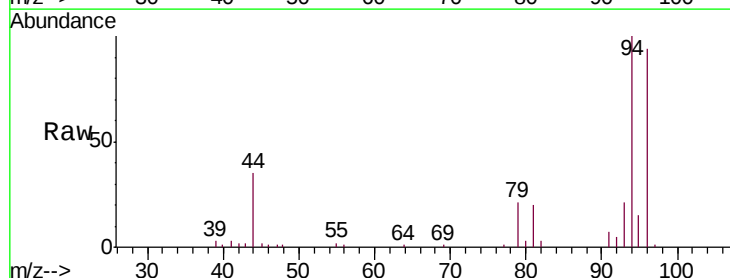
Acq: 05 Jun 2019 13:58

Tgt Ion: 94 Resp: 10983

Ion Ratio Lower Upper

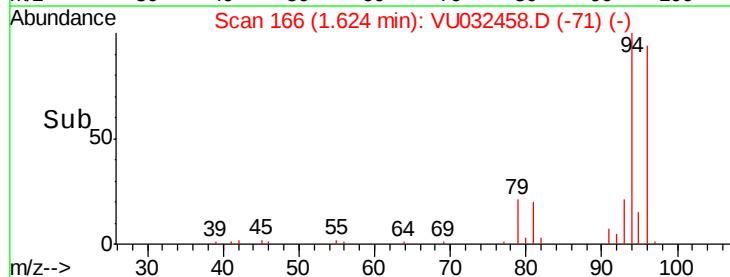
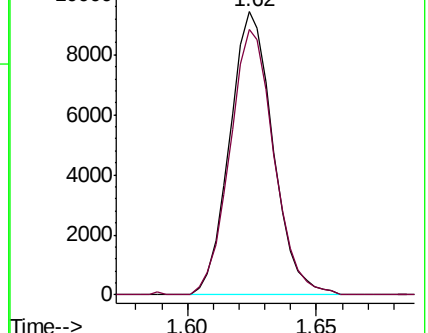
94 100

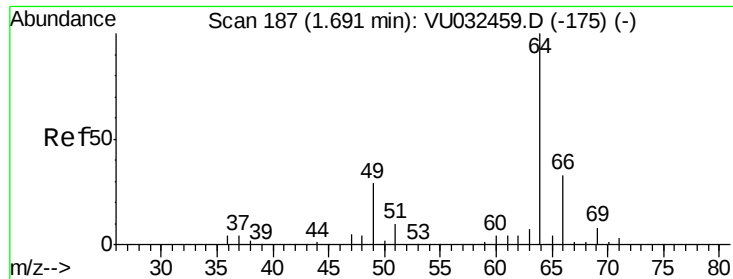
96 93.8 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032458.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU032458.D (-155) (-)





#8

Chloroethane

Concen: 10.431 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

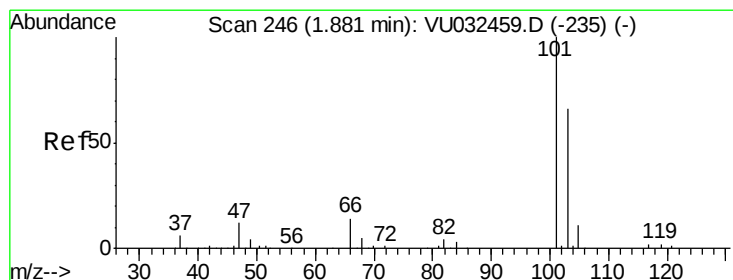
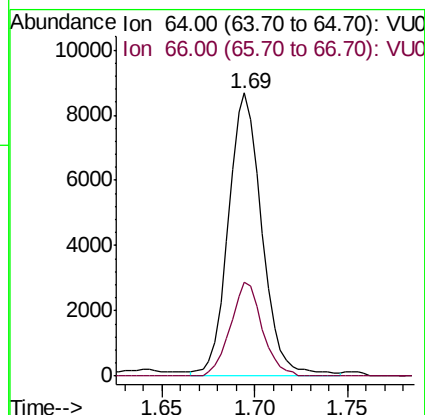
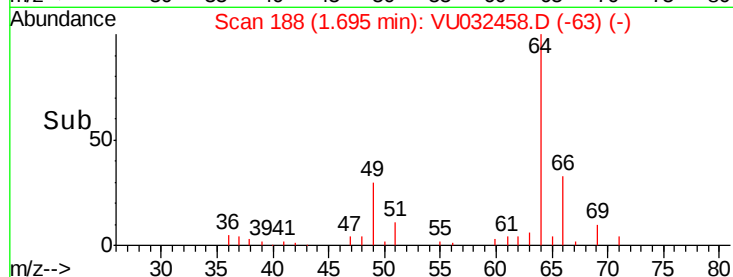
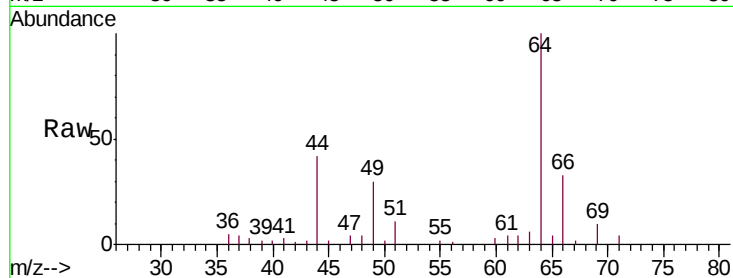
VSTD01055

Tgt Ion: 64 Resp: 10960

Ion Ratio Lower Upper

64 100

66 33.1 22.9 42.5



#9

Trichlorofluoromethane

Concen: 10.856 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032458.D

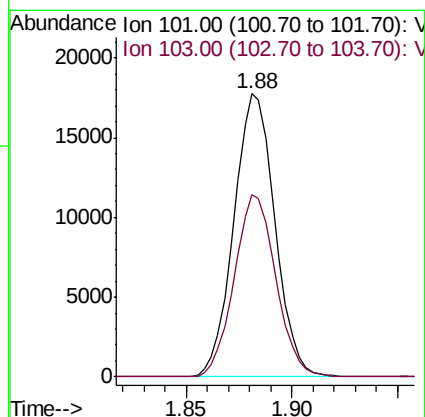
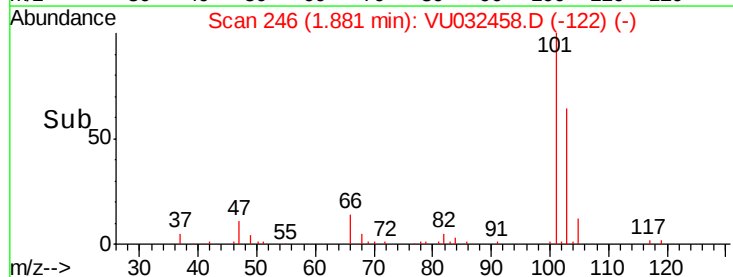
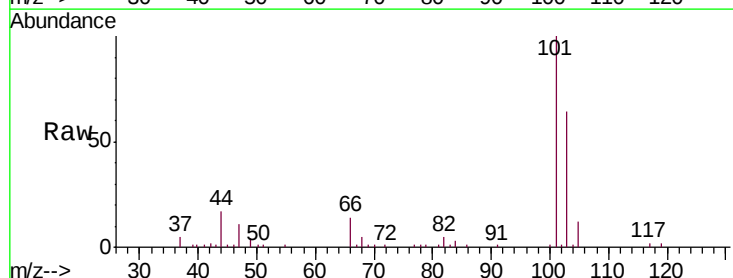
Acq: 05 Jun 2019 13:58

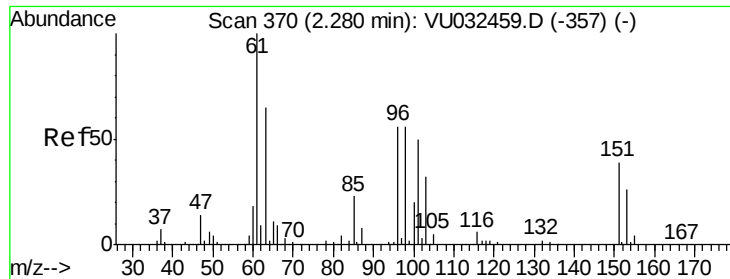
Tgt Ion: 101 Resp: 23997

Ion Ratio Lower Upper

101 100

103 65.0 52.5 78.7





#10

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

Concen: 9.897 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01055

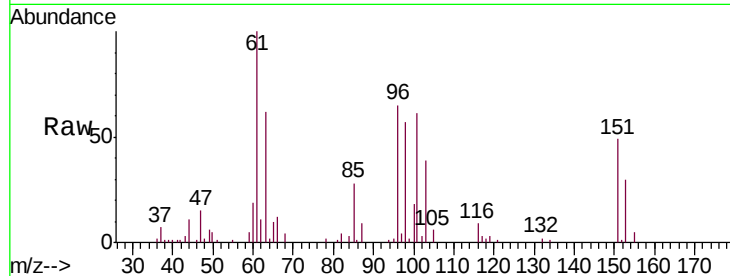
Tgt Ion: 101 Resp: 12834

Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

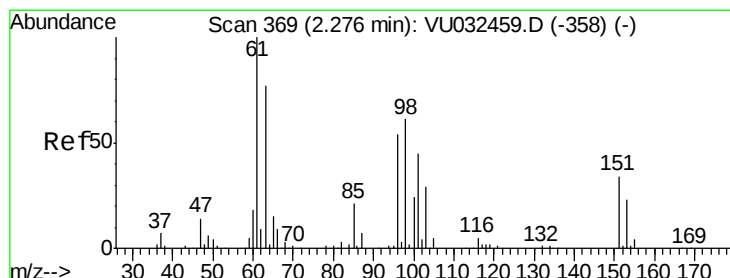
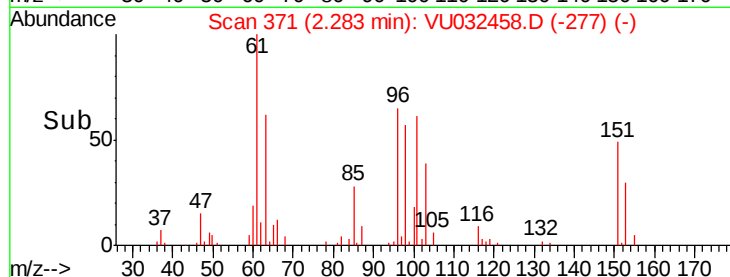
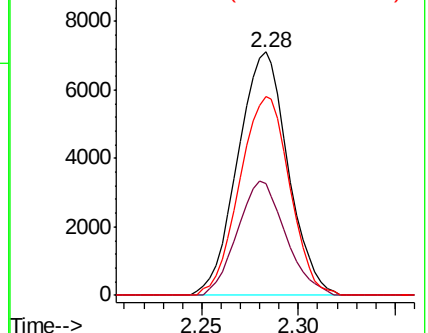
151 81.4 63.0 94.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.493 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

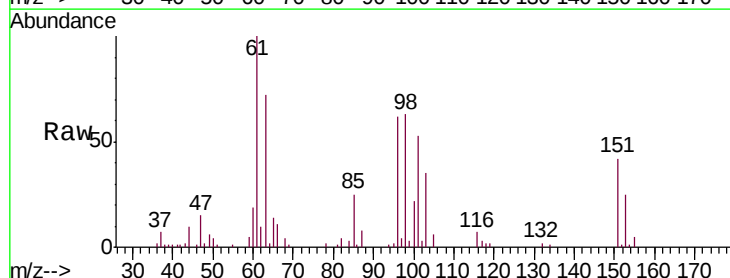
Tgt Ion: 96 Resp: 12447

Ion Ratio Lower Upper

96 100

61 161.7 129.5 240.5

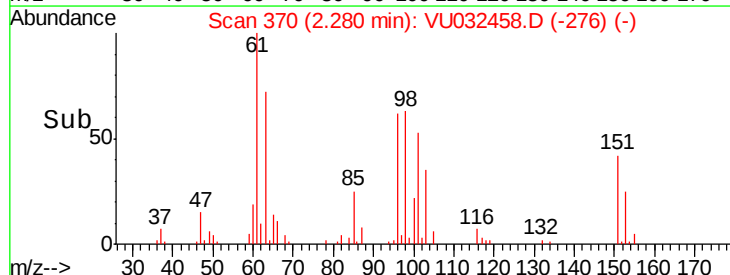
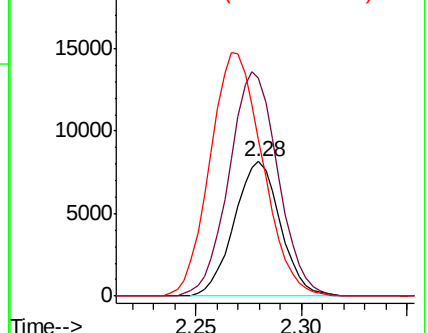
63 116.3 103.4 192.0

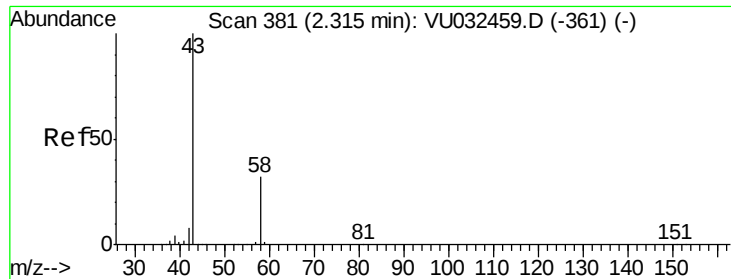


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 24.084 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU032458.D

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ClientSampleId :

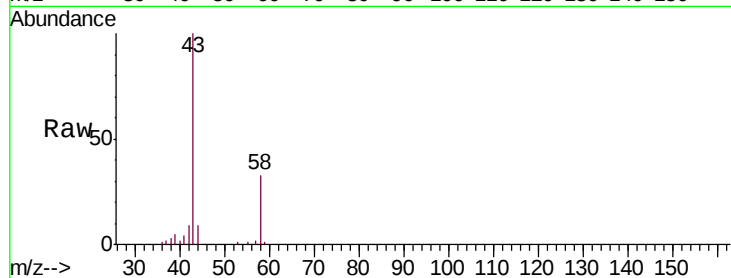
VSTD01055

Tgt Ion: 43 Resp: 23850

Ion Ratio Lower Upper

43 100

58 32.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032458.D (-383) (-)

Ion 58.00 (57.70 to 58.70): VU032458.D (-383) (-)

2.32

15000

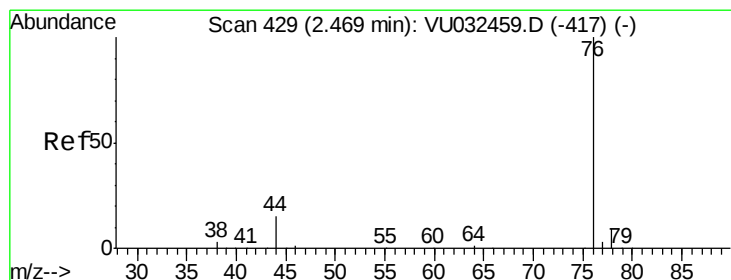
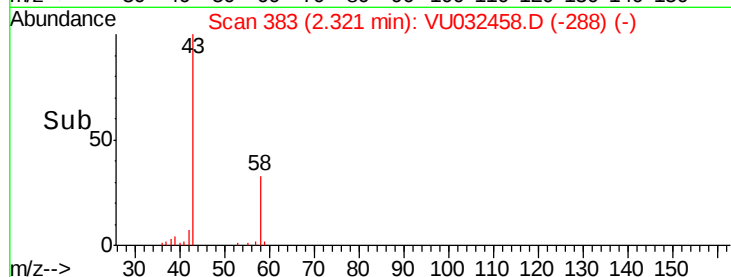
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 9.387 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032458.D

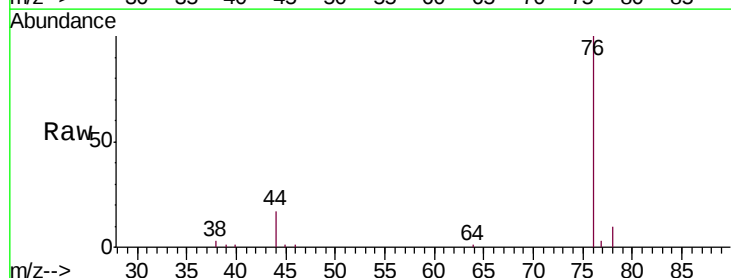
Acq: 05 Jun 2019 13:58

Tgt Ion: 76 Resp: 37080

Ion Ratio Lower Upper

76 100

78 10.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032458.D (-430) (-)

Ion 78.00 (77.70 to 78.70): VU032458.D (-430) (-)

2.47

25000

20000

15000

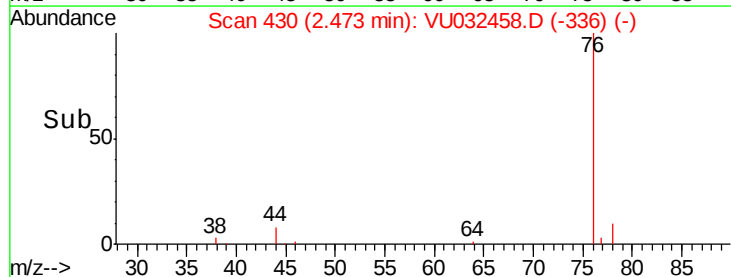
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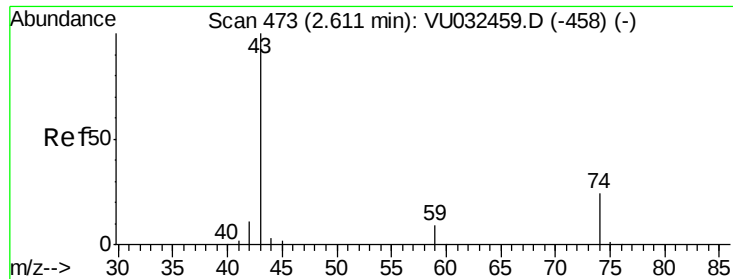
5000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 10.716 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

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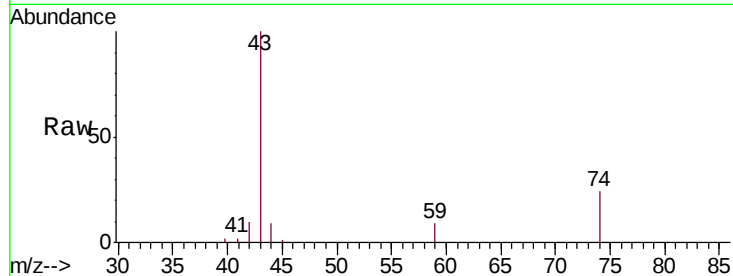
VSTD01055

Tgt Ion: 43 Resp: 16605

Ion Ratio Lower Upper

43 100

74 21.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU032458.D (-380) (-)

Ion 74.00 (73.70 to 74.70): VU032458.D (-380) (-)

2.61

8000

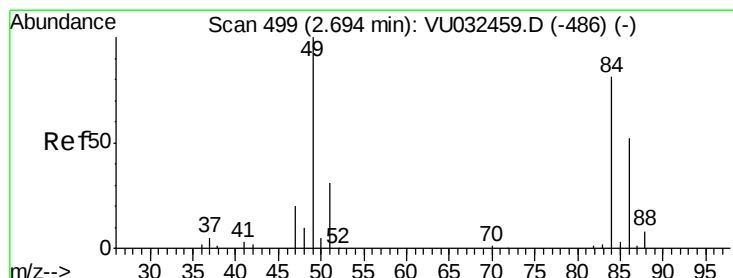
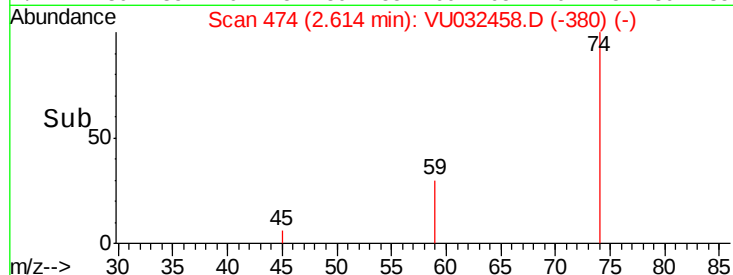
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 9.046 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

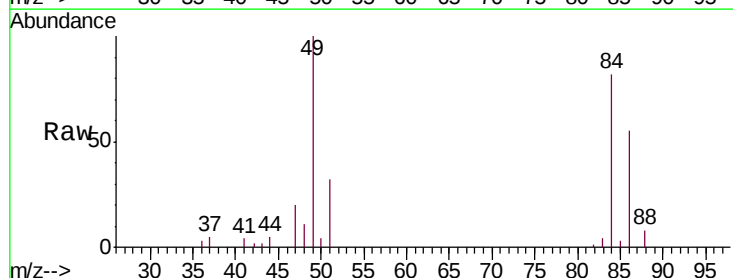
Tgt Ion: 84 Resp: 13835

Ion Ratio Lower Upper

84 100

86 67.2 44.7 82.9

49 122.3 86.1 159.9



Abundance Ion 84.00 (83.70 to 84.70): VU032458.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032458.D (-406) (-)

Ion 49.00 (48.70 to 49.70): VU032458.D (-406) (-)

2.69

12000

10000

8000

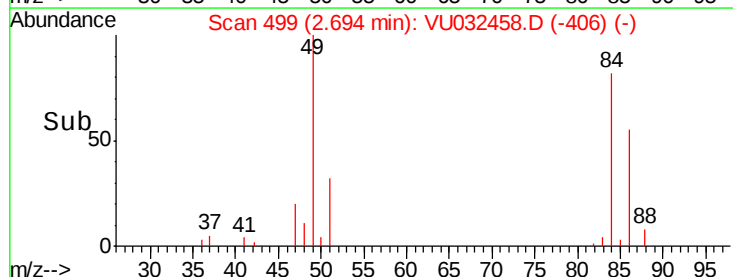
6000

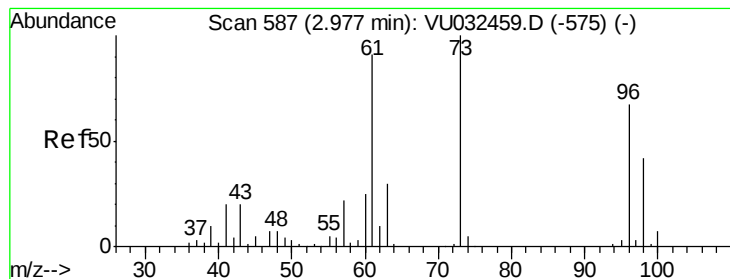
4000

2000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 9.690 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01055

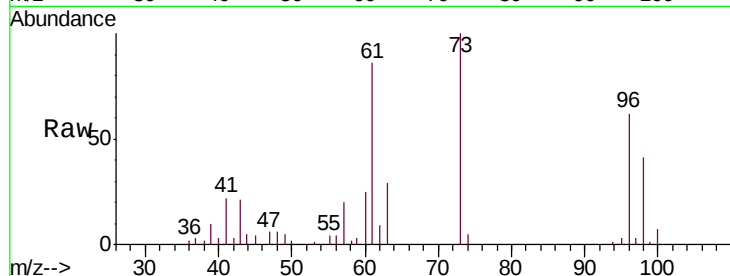
Tgt Ion: 96 Resp: 13225

Ion Ratio Lower Upper

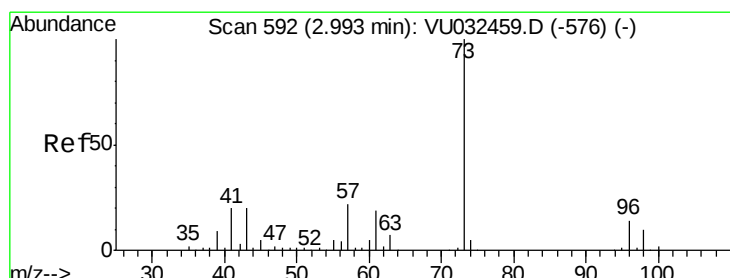
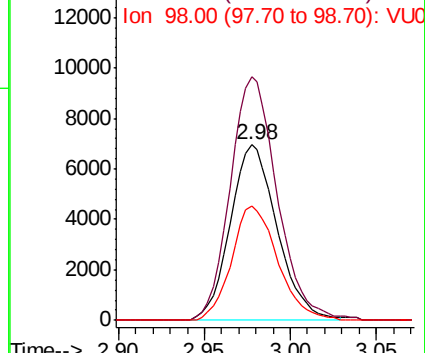
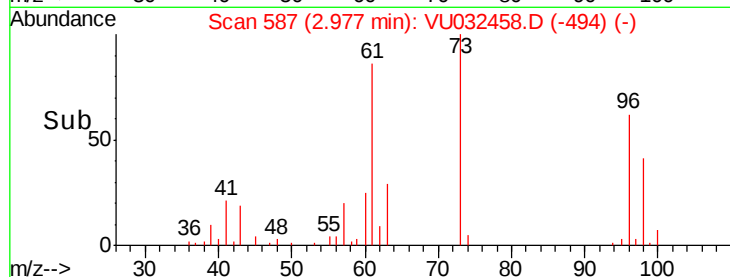
96 100

61 138.9 95.7 177.7

98 65.2 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032458.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 10.282 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

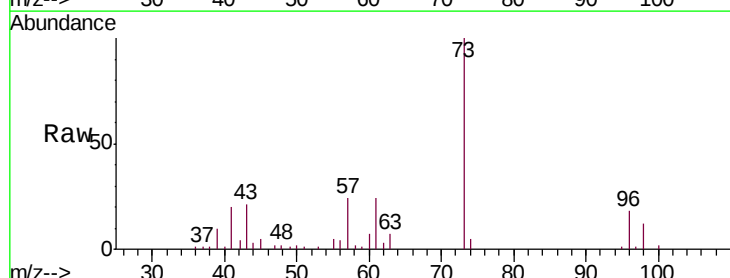
Tgt Ion: 73 Resp: 43061

Ion Ratio Lower Upper

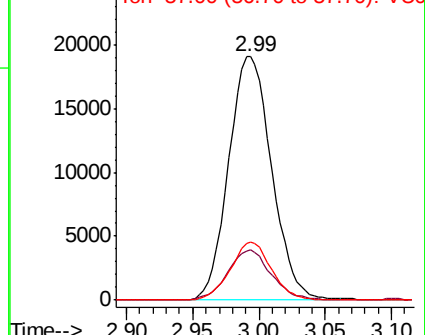
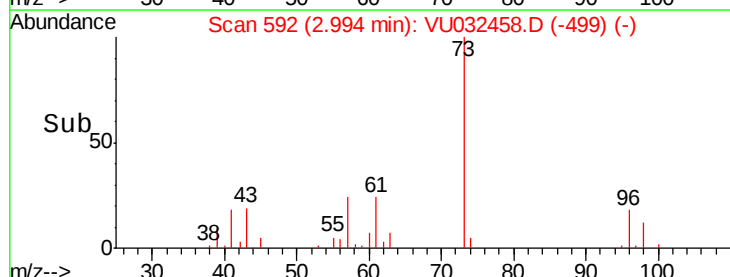
73 100

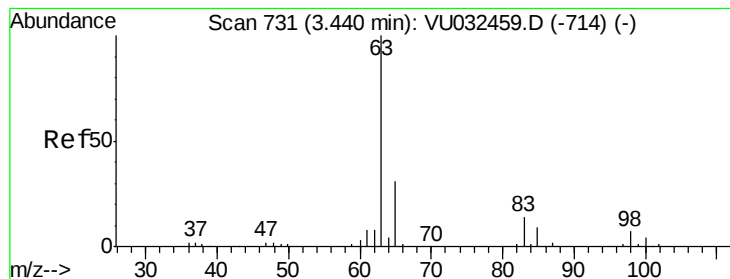
43 20.8 15.8 23.6

57 22.7 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VU032458.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 9.592 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01055

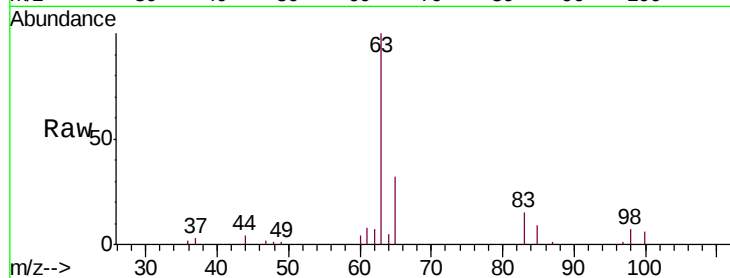
Tgt Ion: 63 Resp: 23854

Ion Ratio Lower Upper

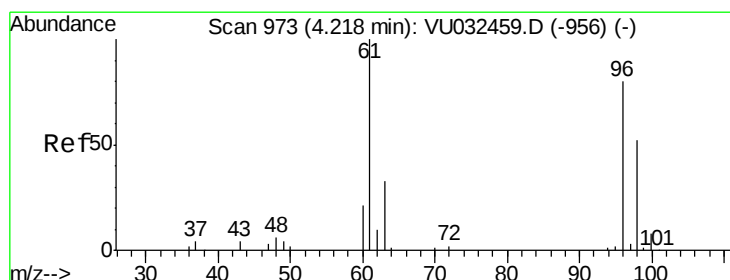
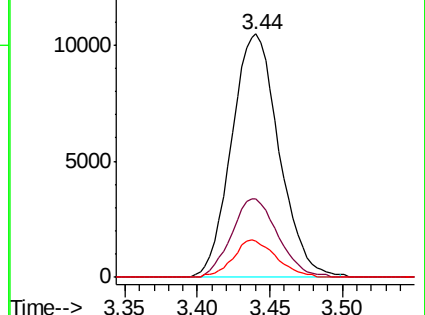
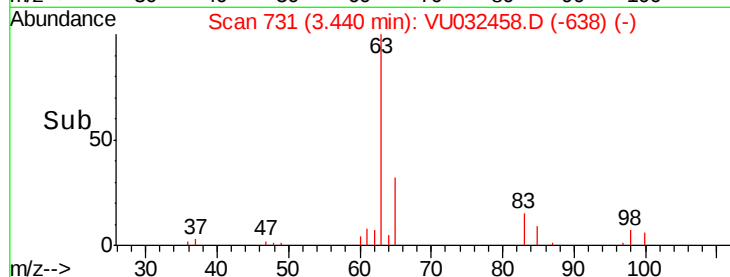
63 100

65 32.1 21.8 40.6

83 14.7 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032458.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 9.815 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

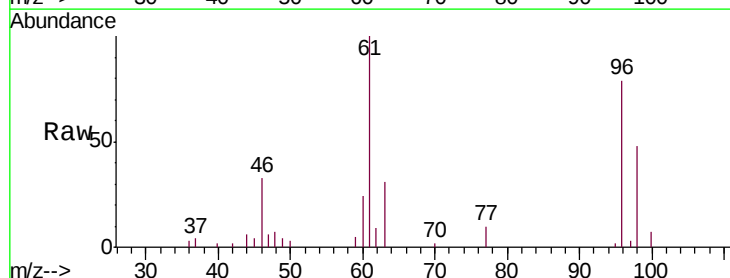
Tgt Ion: 96 Resp: 15036

Ion Ratio Lower Upper

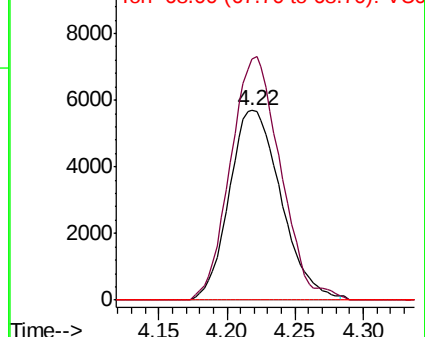
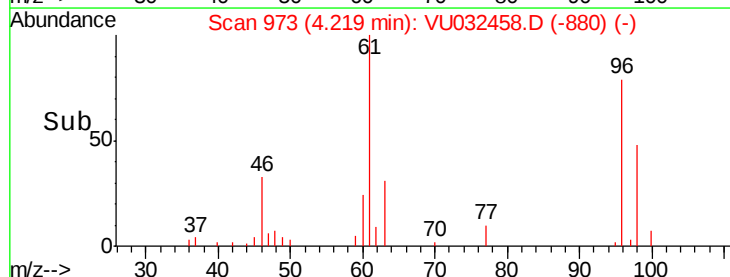
96 100

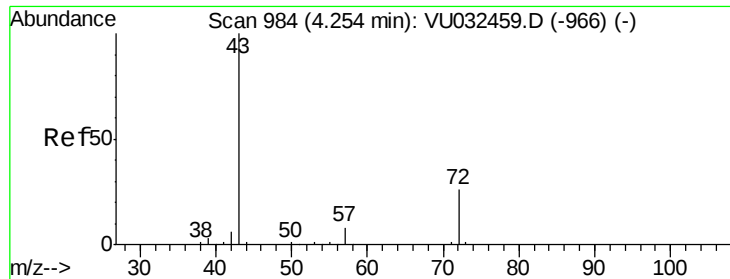
61 127.3 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032458.D (-880) (-)





#22

2-Butanone

Concen: 22.548 ug/L

RT: 4.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

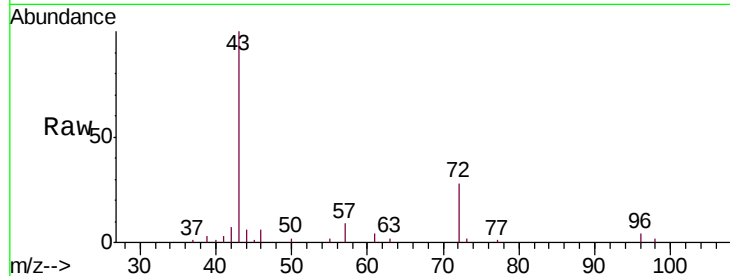
VSTD01055

Tgt Ion: 43 Resp: 26719

Ion Ratio Lower Upper

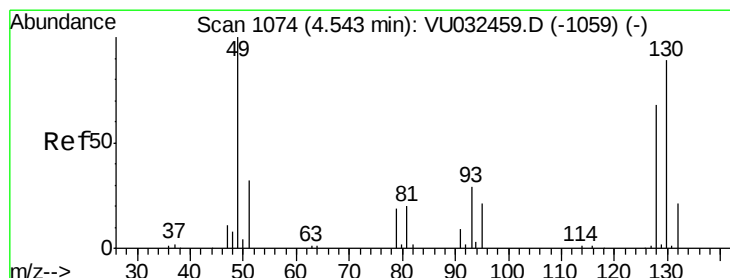
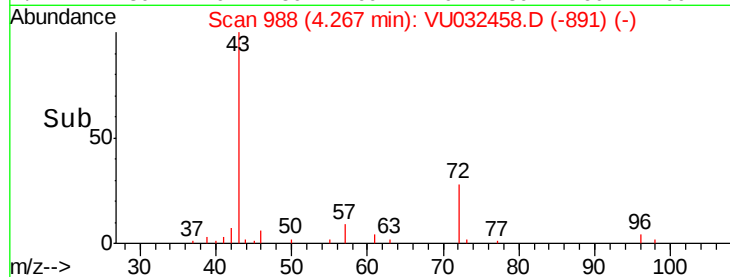
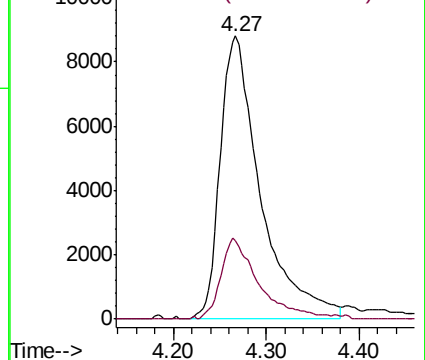
43 100

72 26.4 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032458.D (-988) (-)

Ion 72.00 (71.70 to 72.70): VU032458.D (-988) (-)



#23

Bromochloromethane

Concen: 9.331 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Tgt Ion: 128 Resp: 7550

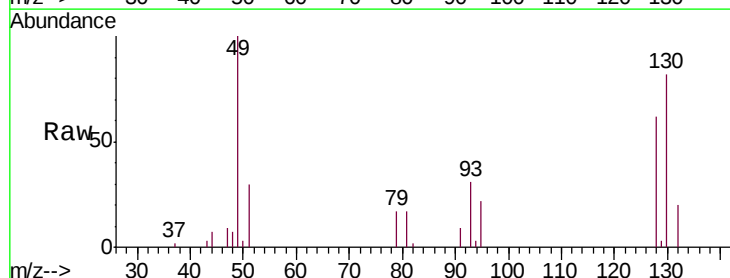
Ion Ratio Lower Upper

128 100

49 162.0 103.7 192.5

130 133.6 92.2 171.2

51 48.8 37.7 56.5

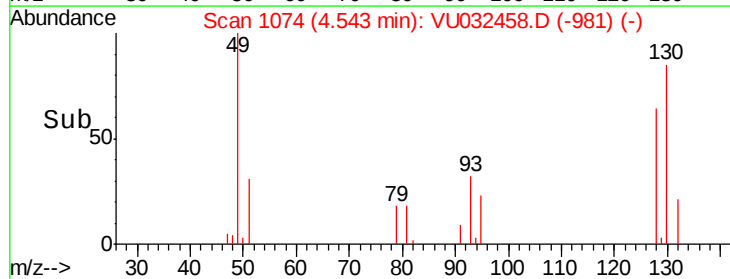
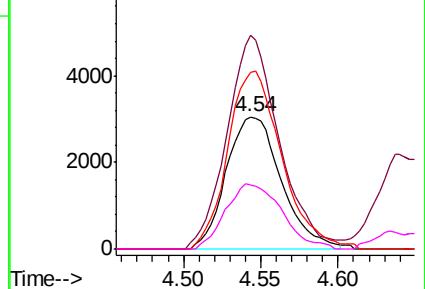


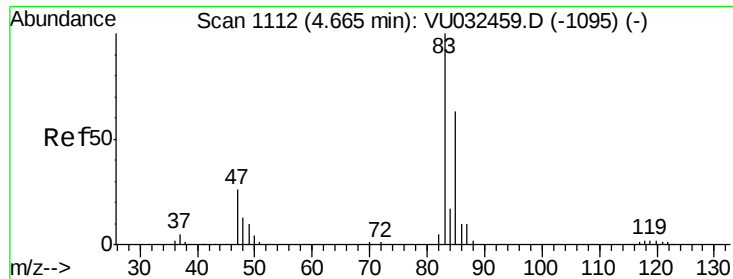
Abundance Ion 128.00 (127.70 to 128.70): VU032458.D (-1074) (-)

Ion 49.00 (48.70 to 49.70): VU032458.D (-1074) (-)

Ion 130.00 (129.70 to 130.70): VU032458.D (-1074) (-)

Ion 51.00 (50.70 to 51.70): VU032458.D (-1074) (-)

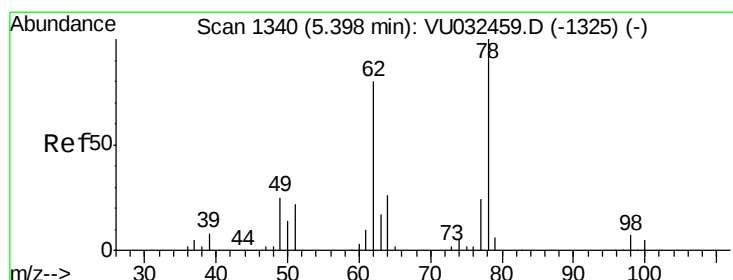
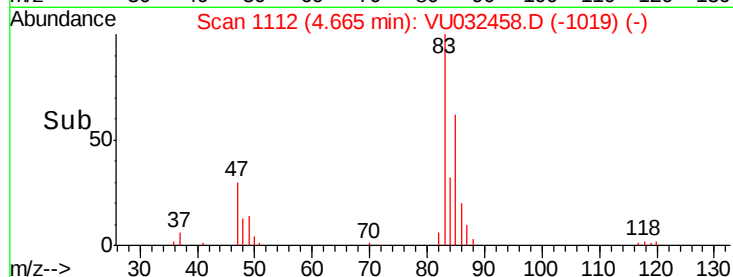
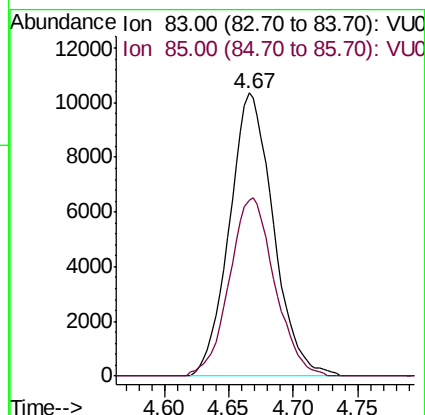
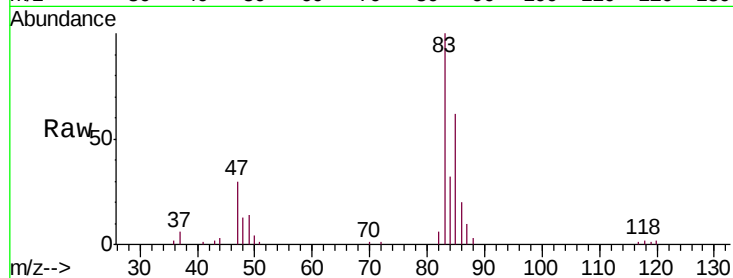




#25
Chloroform
Concen: 9.542 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032458.D
Acq: 05 Jun 2019 13:58

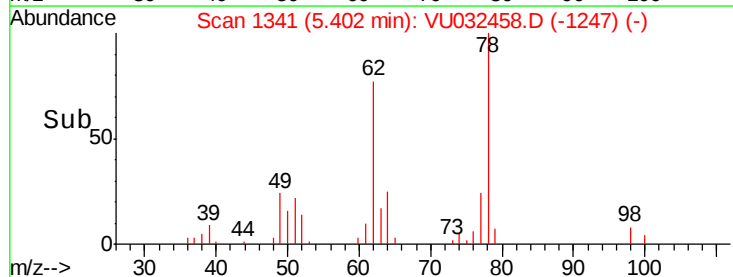
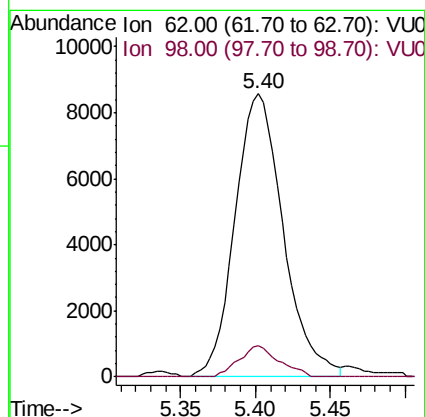
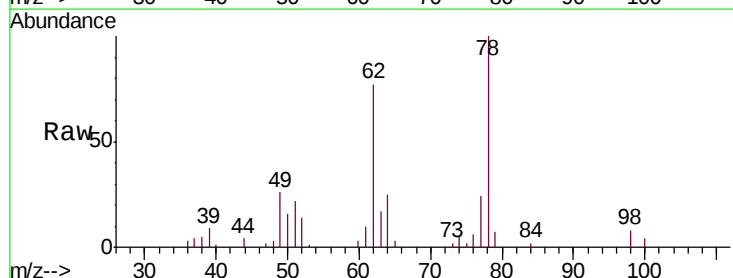
Instrument :
MSVOA_U
ClientSampleId :
VSTD01055

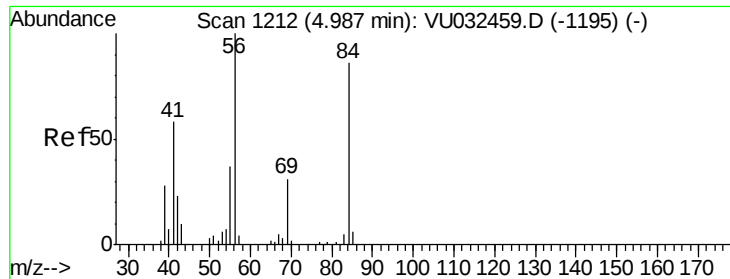
Tgt Ion: 83 Resp: 24582
Ion Ratio Lower Upper
83 100
85 62.2 44.7 82.9



#27
1,2-Dichloroethane
Concen: 9.959 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU032458.D
Acq: 05 Jun 2019 13:58

Tgt Ion: 62 Resp: 19267
Ion Ratio Lower Upper
62 100
98 10.9 7.2 10.8#

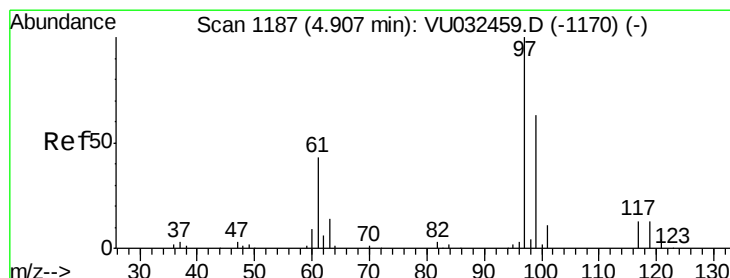
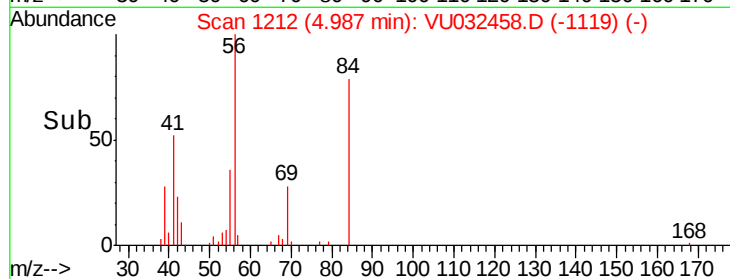
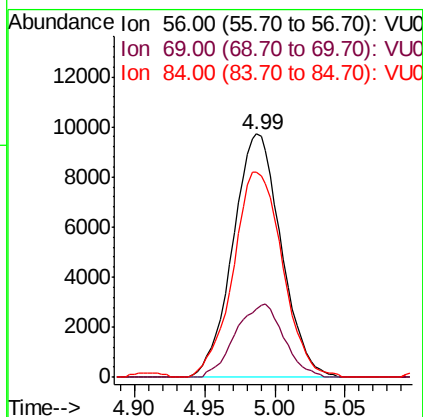
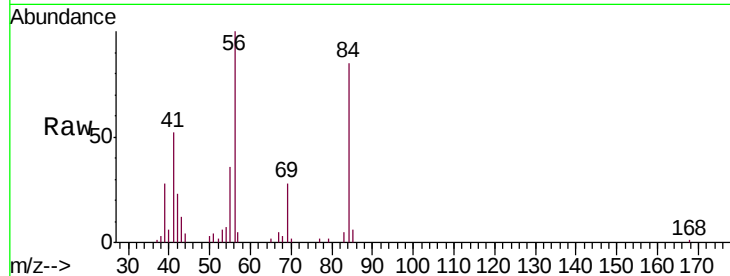




#29
Cyclohexane
Concen: 11.879 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU032458.D
Acq: 05 Jun 2019 13:58

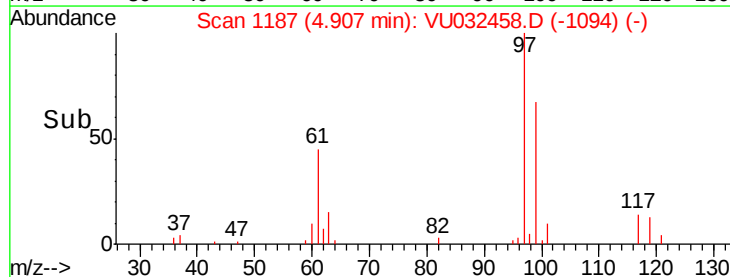
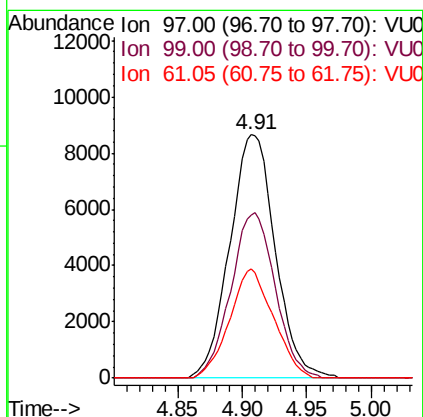
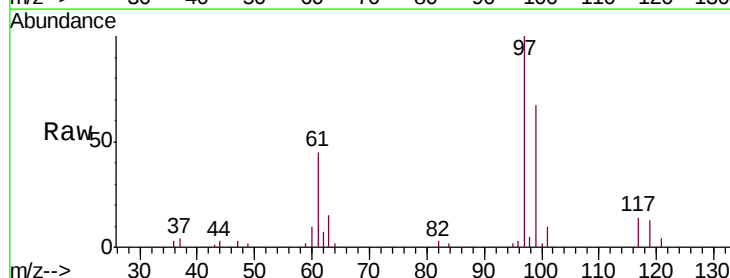
Instrument :
MSVOA_U
ClientSampleId :
VSTD01055

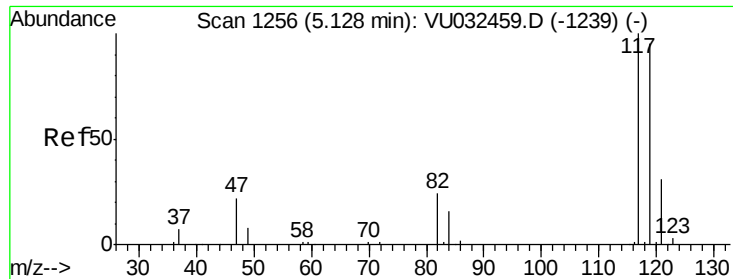
Tgt Ion: 56 Resp: 23255
Ion Ratio Lower Upper
56 100
69 30.0 24.7 37.1
84 86.3 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 10.588 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032458.D
Acq: 05 Jun 2019 13:58

Tgt Ion: 97 Resp: 21233
Ion Ratio Lower Upper
97 100
99 66.2 50.5 75.7
61 43.2 33.8 50.6





#31

Carbon tetrachloride

Concen: 11.528 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

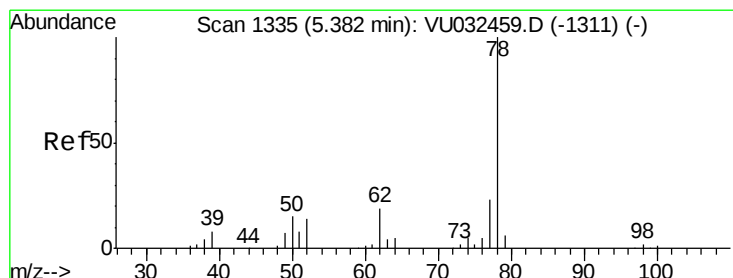
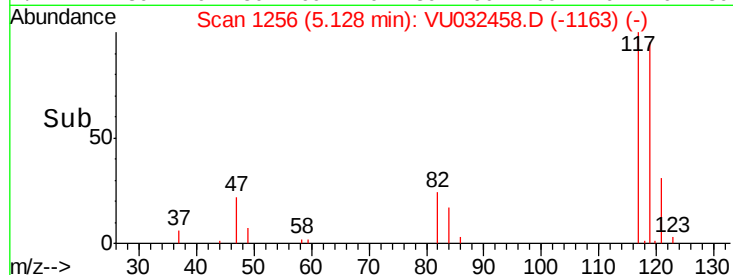
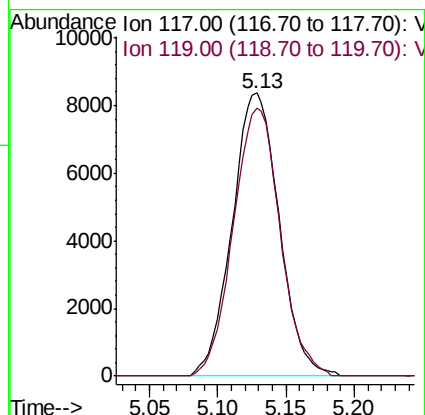
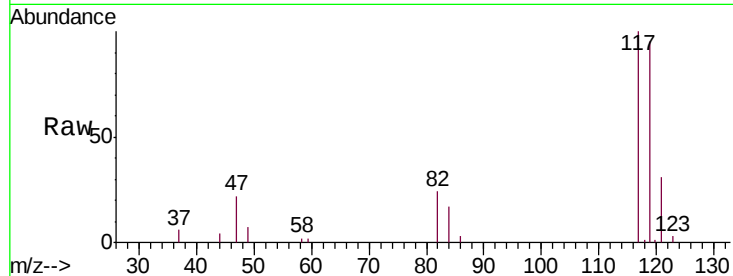
VSTD01055

Tgt Ion:117 Resp: 19987

Ion Ratio Lower Upper

117 100

119 94.4 76.6 114.8



#33

Benzene

Concen: 10.201 ug/L

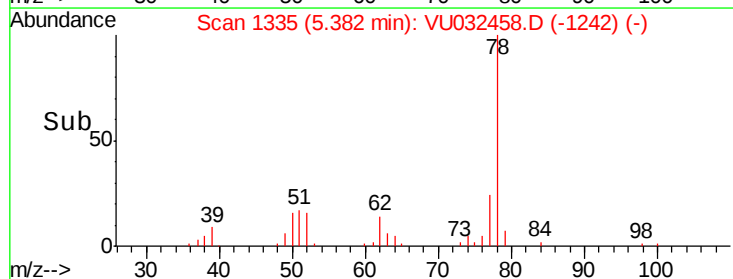
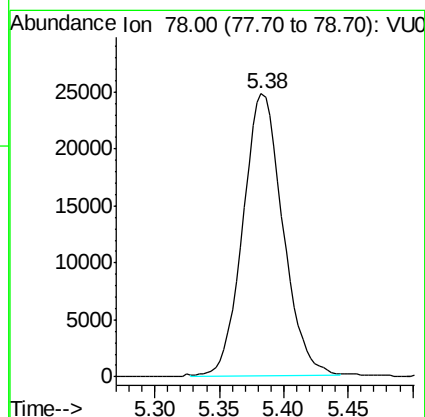
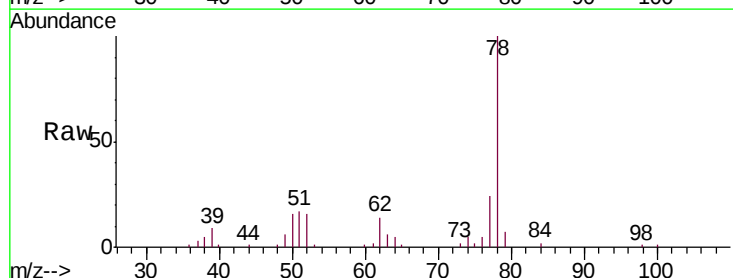
RT: 5.38 min Scan# 1335

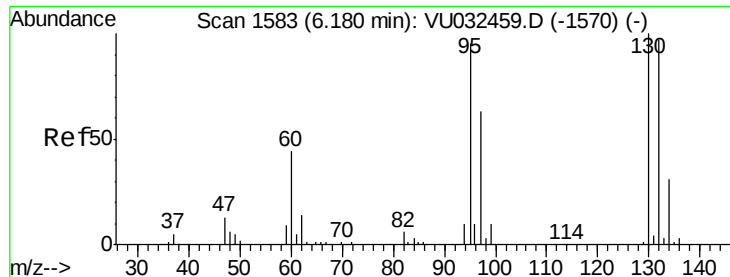
Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Tgt Ion: 78 Resp: 53548





#34

Trichloroethene

Concen: 11.140 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01055

Tgt Ion: 95 Resp: 15166

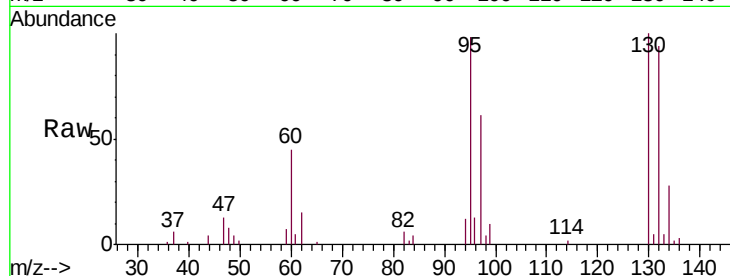
Ion Ratio Lower Upper

95 100

97 62.3 45.8 85.2

132 96.0 71.0 131.8

130 102.4 73.4 136.2

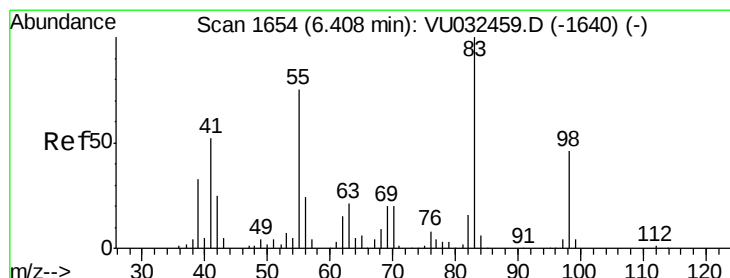
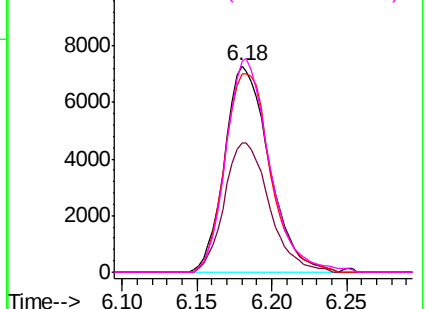
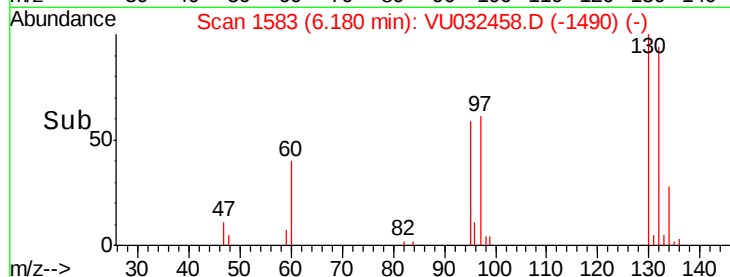


Abundance Ion 95.00 (94.70 to 95.70): VU032459.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032459.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032459.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032459.D (-1570) (-)



#35

Methylcyclohexane

Concen: 11.521 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

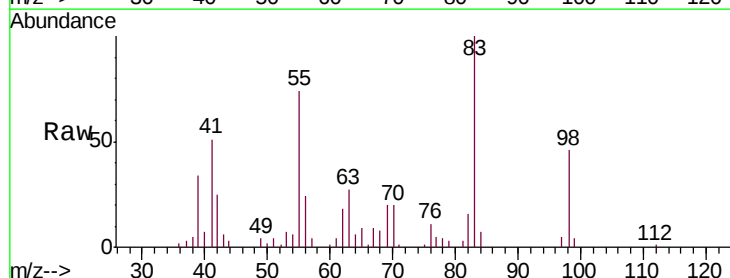
Tgt Ion: 83 Resp: 24086

Ion Ratio Lower Upper

83 100

55 74.5 60.2 90.4

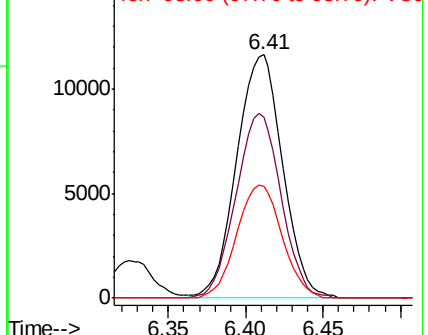
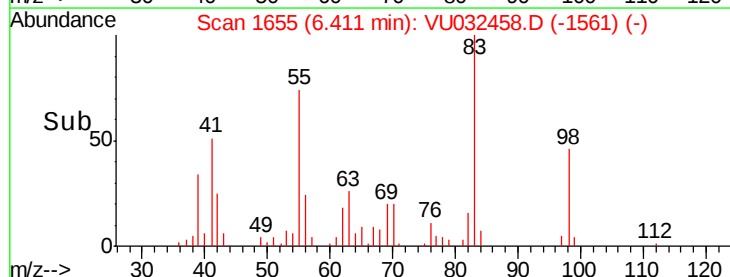
98 45.6 37.4 56.2

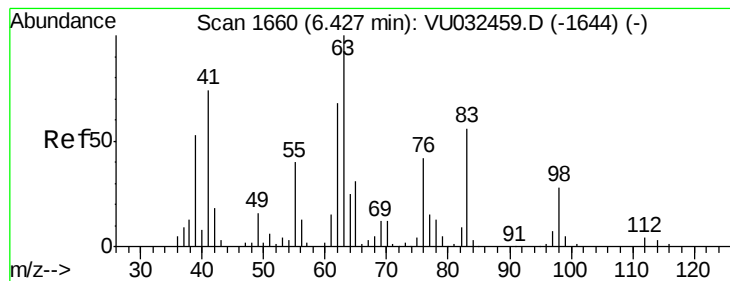


Abundance Ion 83.00 (82.70 to 83.70): VU032459.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU032459.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU032459.D (-1640) (-)





#37

1,2-Dichloropropane

Concen: 10.537 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

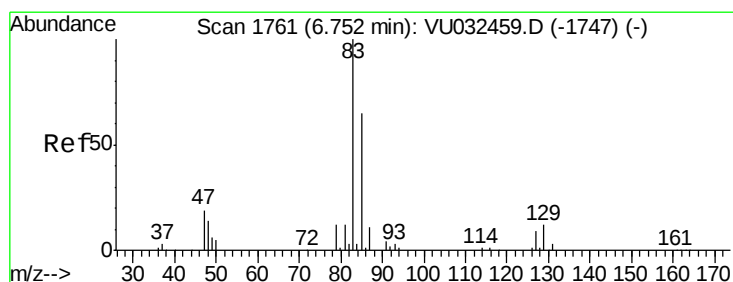
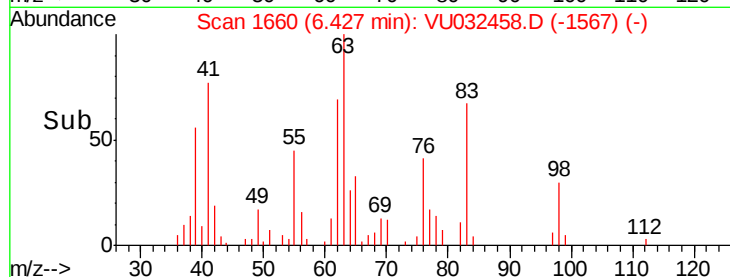
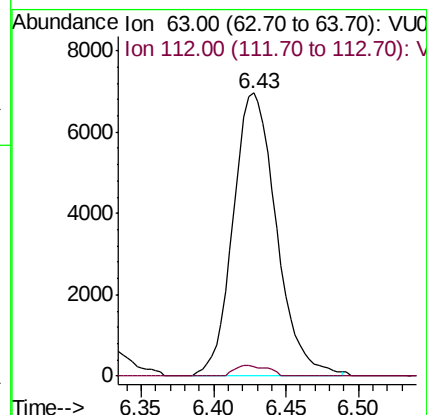
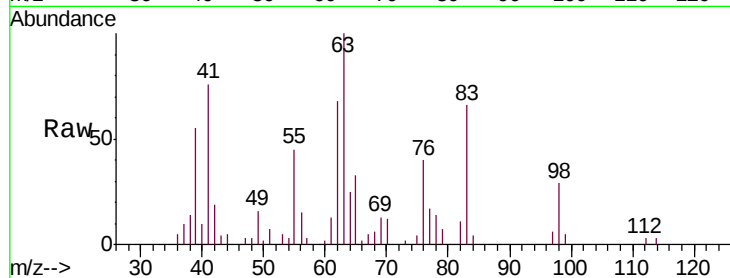
VSTD01055

Tgt Ion: 63 Resp: 14462

Ion Ratio Lower Upper

63 100

112 2.9 3.1 4.7#



#38

Bromodichloromethane

Concen: 10.149 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

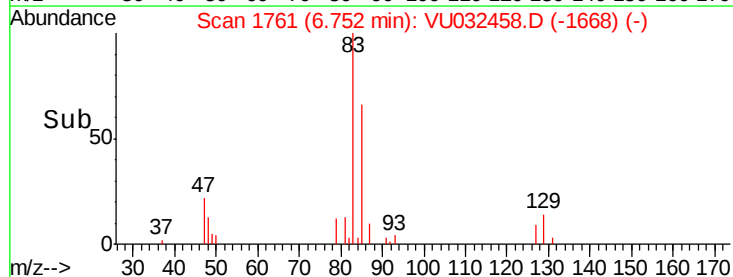
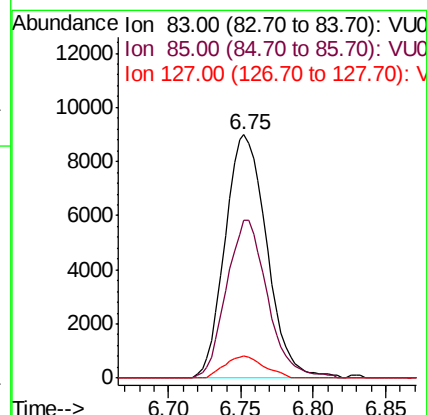
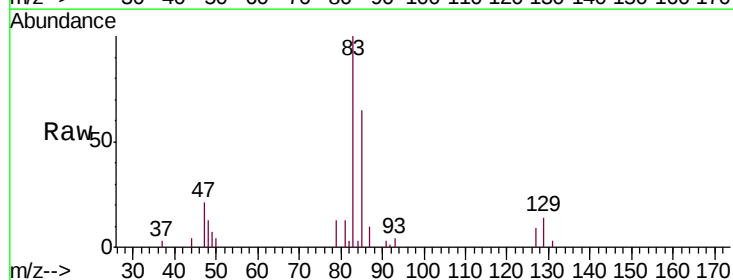
Tgt Ion: 83 Resp: 17971

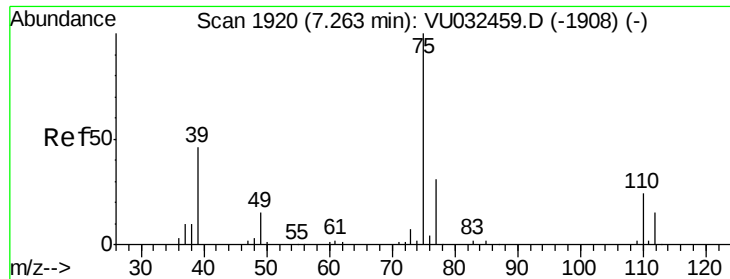
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4

127 9.2 7.4 11.2

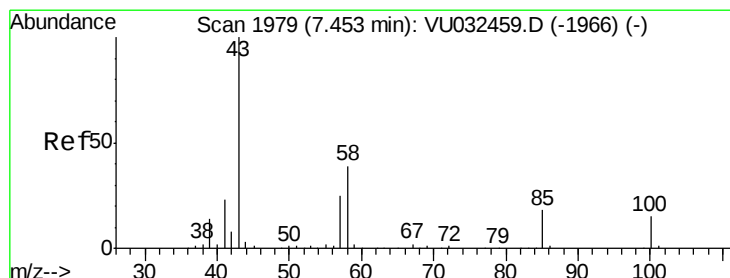
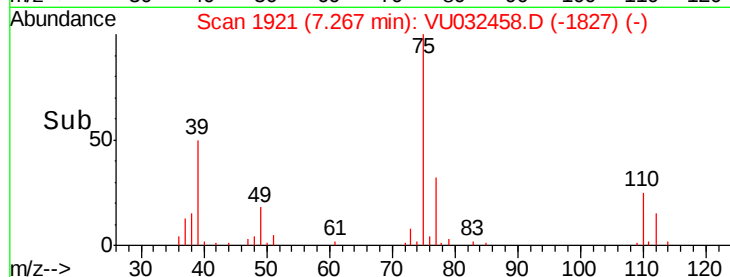
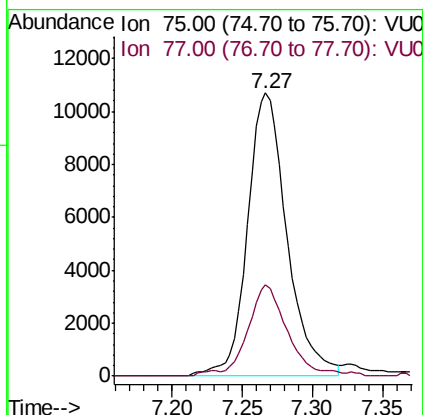
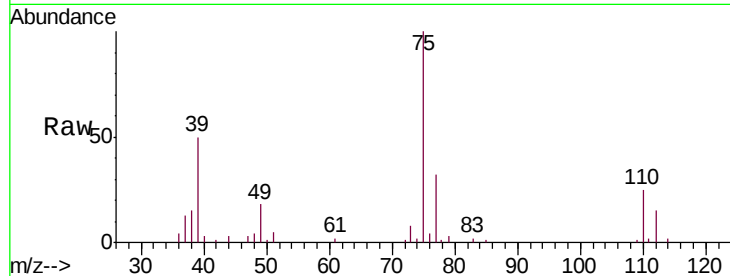




#39
 cis-1,3-Dichloropropene
 Concen: 10.216 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

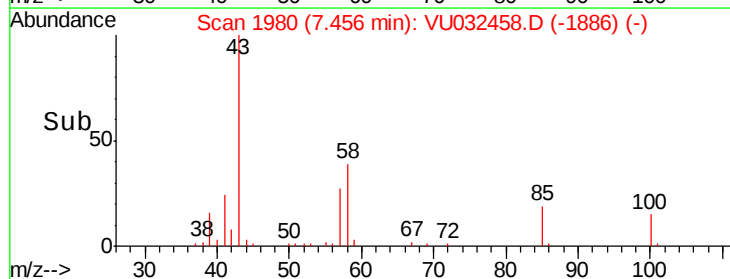
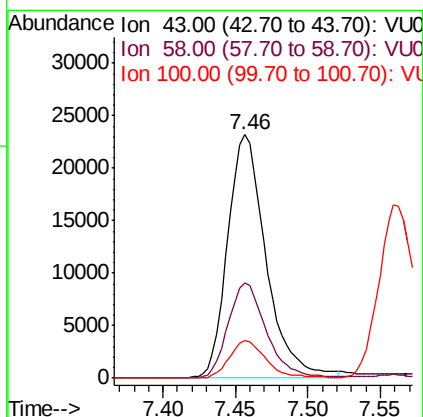
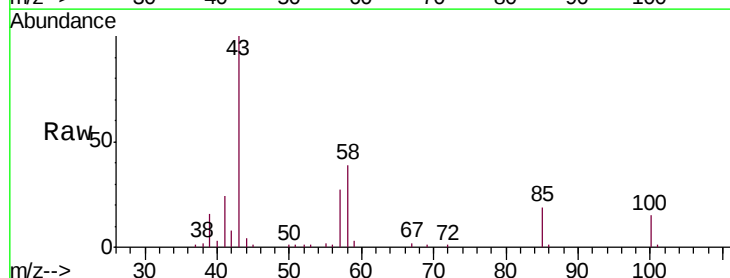
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01055

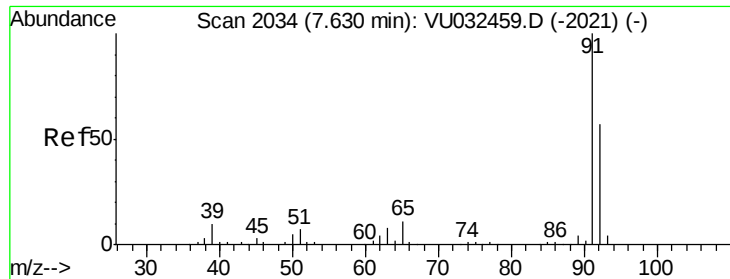
Tgt Ion: 75 Resp: 20979
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 22.742 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

Tgt Ion: 43 Resp: 42763
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 14.6 12.1 18.1





#42

Toluene

Concen: 10.237 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

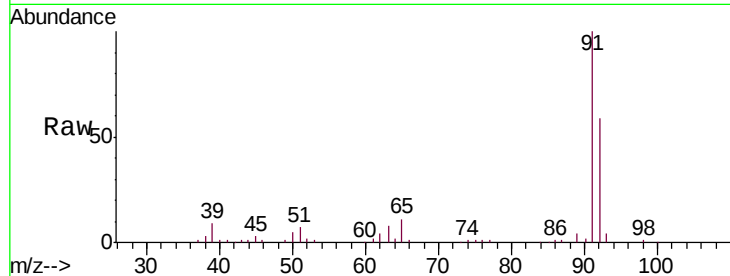
VSTD01055

Tgt Ion: 91 Resp: 58422

Ion Ratio Lower Upper

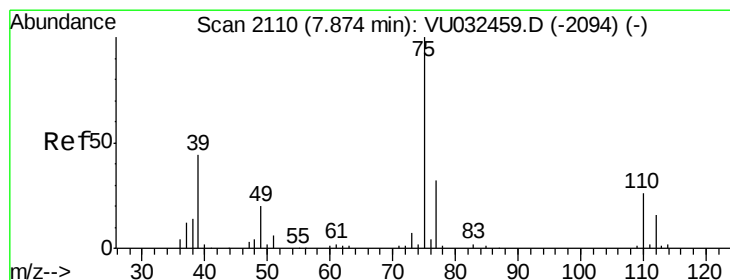
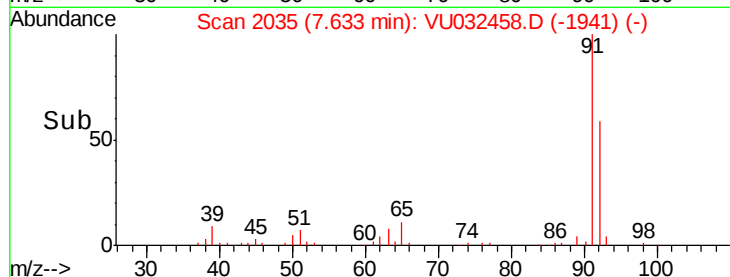
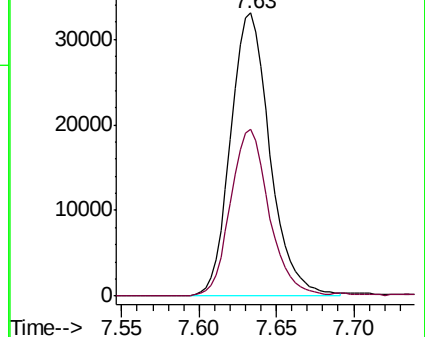
91 100

92 58.9 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032459.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032459.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.316 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032458.D

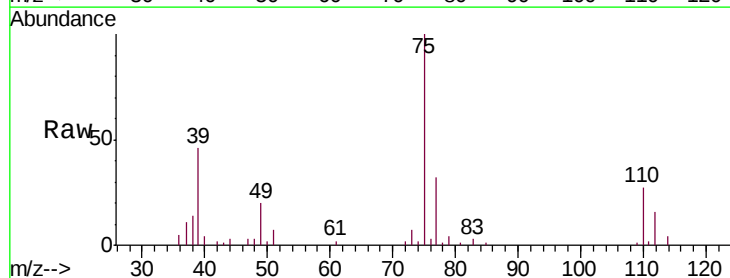
Acq: 05 Jun 2019 13:58

Tgt Ion: 75 Resp: 18671

Ion Ratio Lower Upper

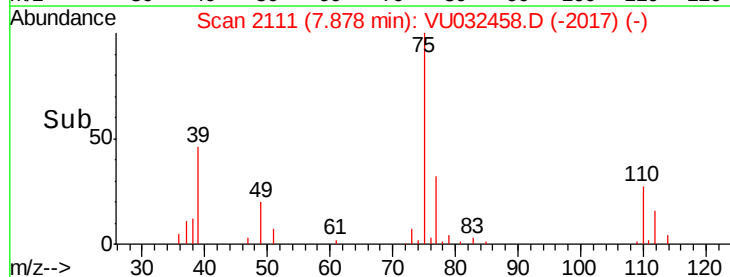
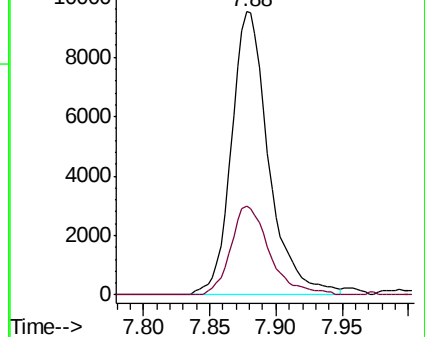
75 100

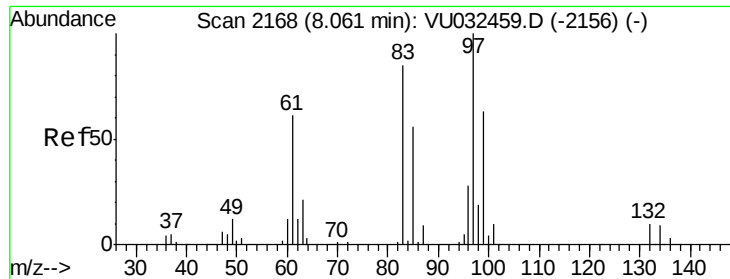
77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032459.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032459.D (-2094) (-)

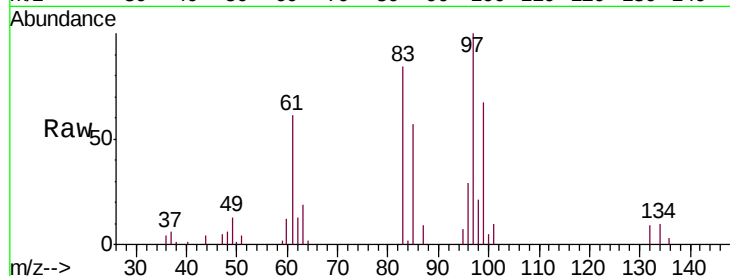




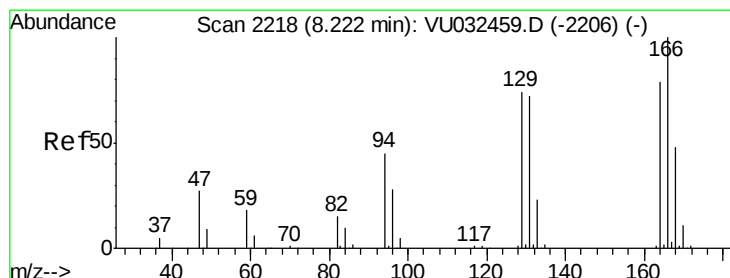
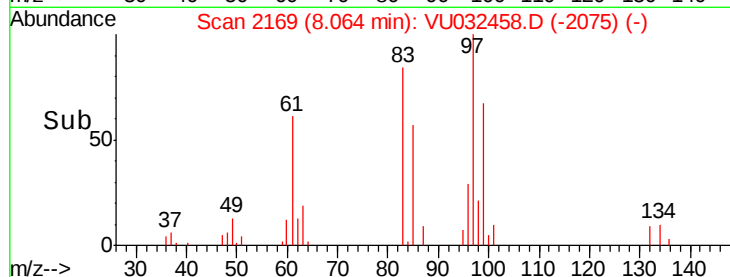
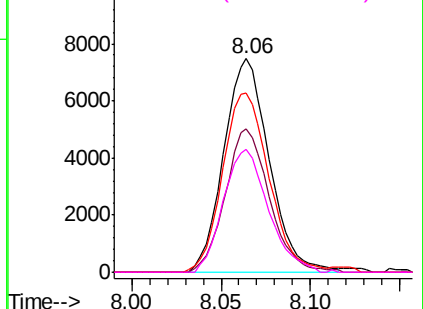
#45
 1,1,2-Trichloroethane
 Concen: 9.866 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01055

Tgt Ion:	97	Resp:	13237
Ion	Ratio	Lower	Upper
97	100		
99	67.2	44.1	81.9
83	83.7	59.4	110.2
85	57.3	39.1	72.7

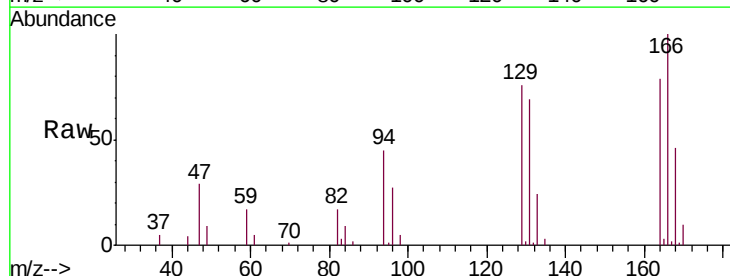


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

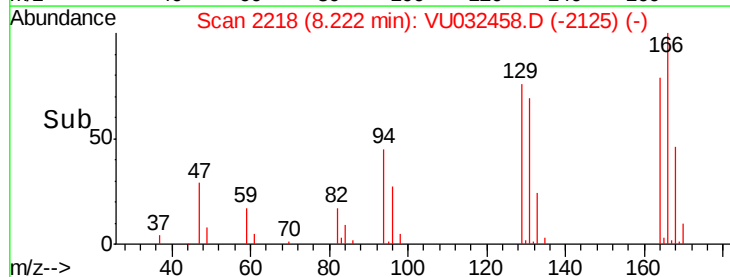
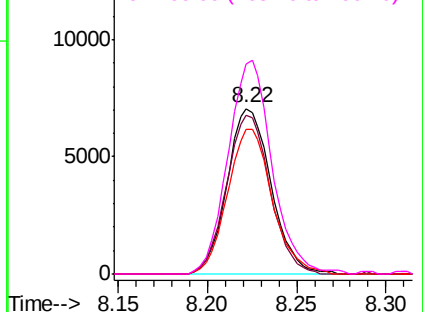


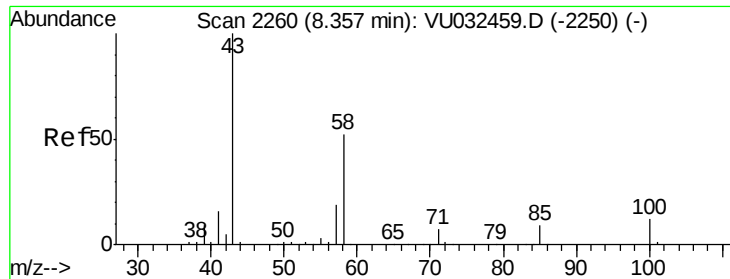
#46
 Tetrachloroethene
 Concen: 10.899 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

Tgt Ion:	164	Resp:	12150
Ion	Ratio	Lower	Upper
164	100		
129	96.0	65.3	121.3
131	87.4	64.0	119.0
166	126.9	88.8	165.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

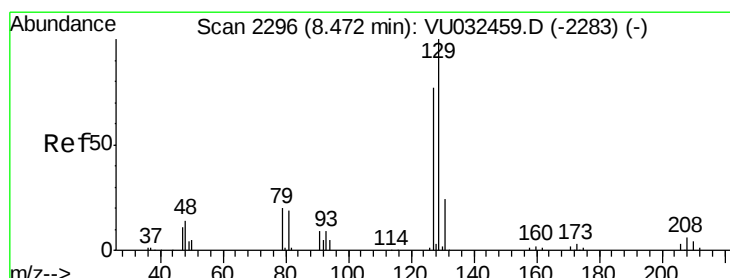
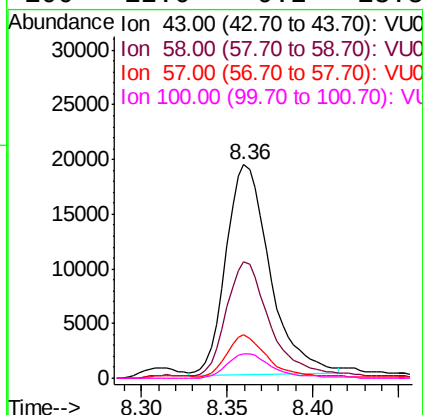
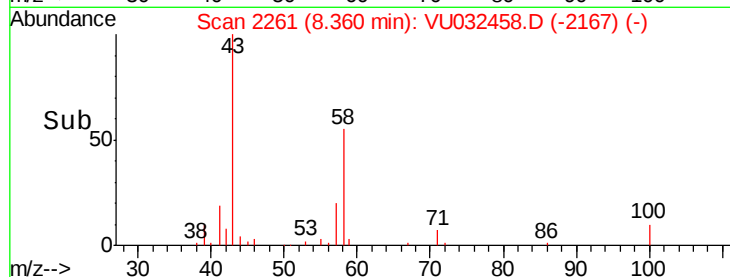
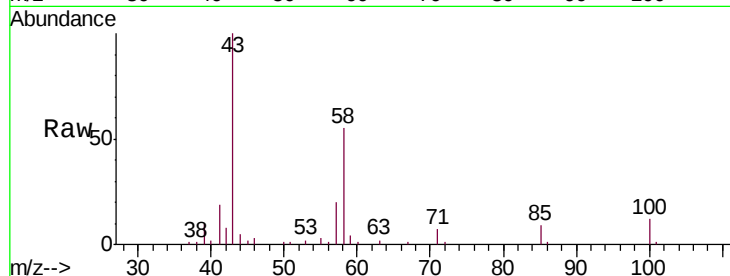




#48
2-Hexanone
Concen: 22.094 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032458.D
Acq: 05 Jun 2019 13:58

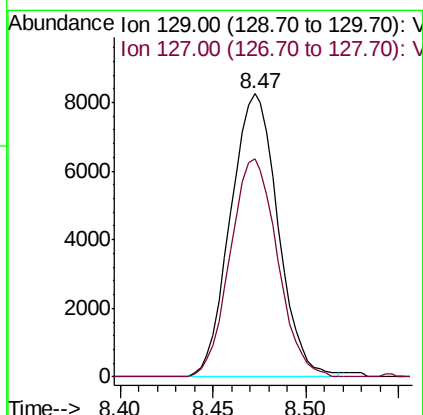
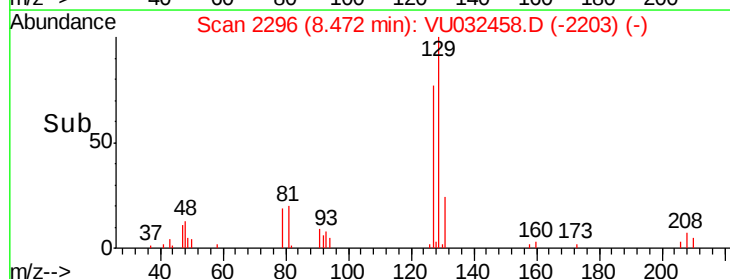
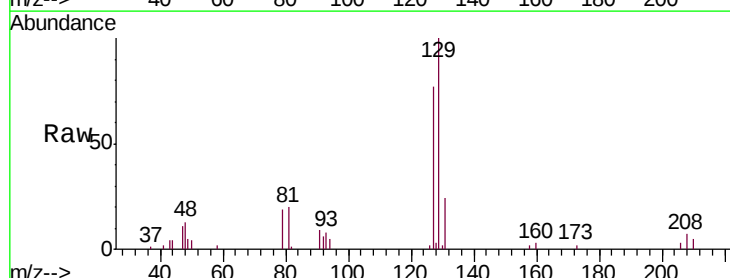
Instrument :
MSVOA_U
ClientSampleId :
VSTD01055

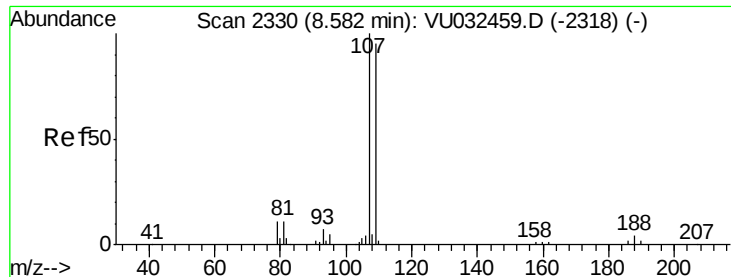
Tgt Ion: 43 Resp: 33975
Ion Ratio Lower Upper
43 100
58 55.3 42.0 63.0
57 18.1 14.6 22.0
100 12.0 9.2 13.8



#49
Dibromochloromethane
Concen: 9.987 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032458.D
Acq: 05 Jun 2019 13:58

Tgt Ion: 129 Resp: 14714
Ion Ratio Lower Upper
129 100
127 77.2 53.6 99.6

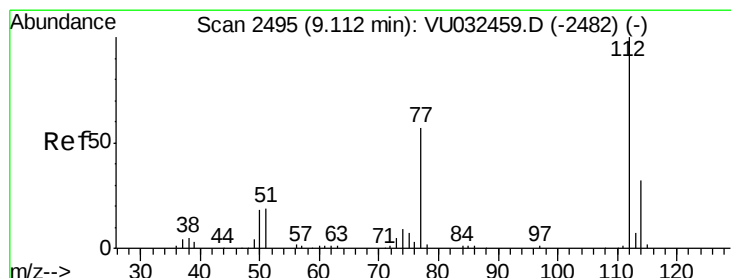
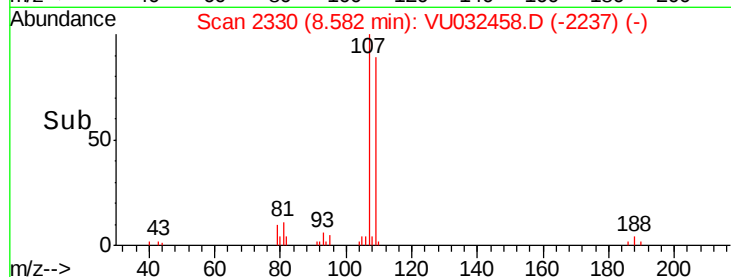
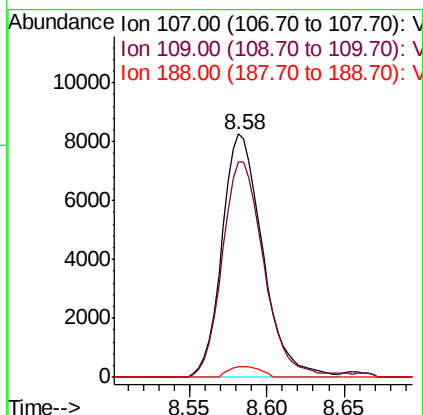
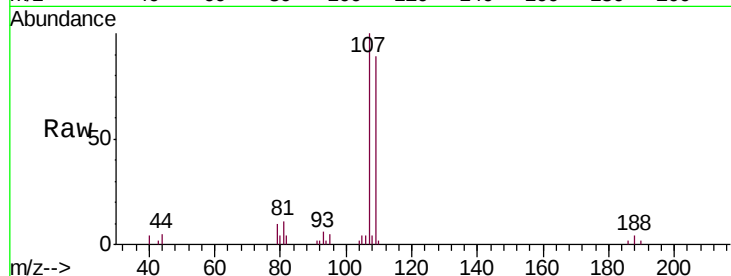




#50
1,2-Dibromoethane
Concen: 10.556 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032458.D
Acq: 05 Jun 2019 13:58

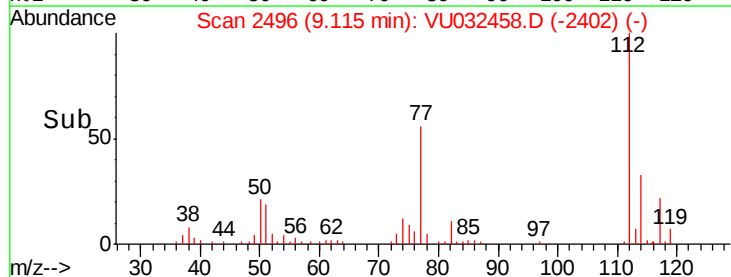
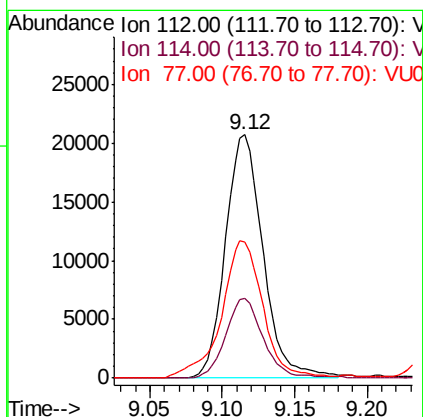
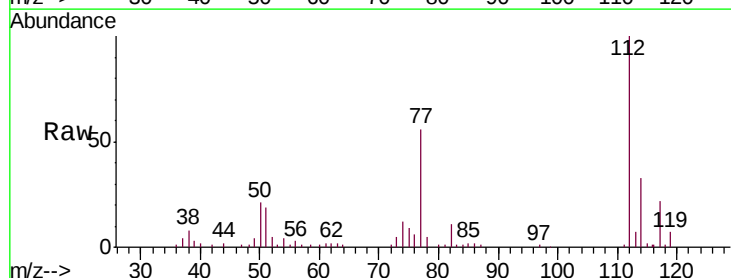
Instrument :
MSVOA_U
ClientSampleId :
VSTD01055

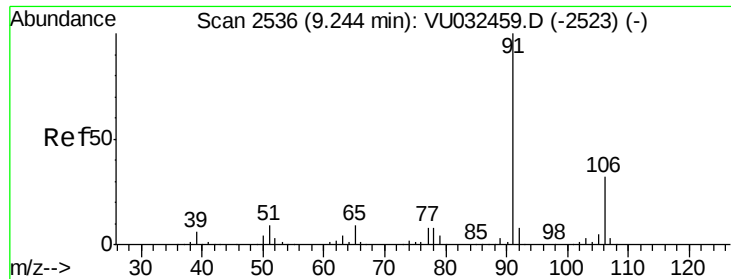
Tgt Ion:107 Resp: 15063
Ion Ratio Lower Upper
107 100
109 88.7 66.8 124.0
188 4.3 3.1 4.7



#51
Chlorobenzene
Concen: 10.130 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032458.D
Acq: 05 Jun 2019 13:58

Tgt Ion:112 Resp: 37314
Ion Ratio Lower Upper
112 100
114 32.8 22.6 42.0
77 56.0 46.1 69.1





#52

Ethylbenzene

Concen: 10.442 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

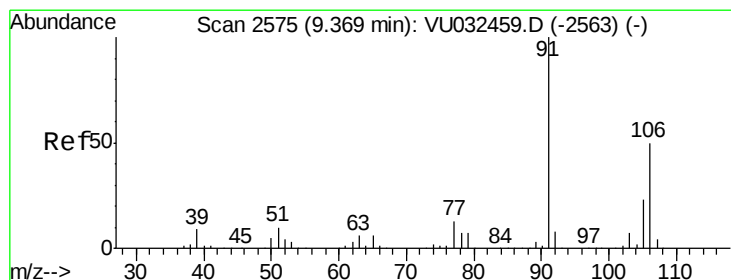
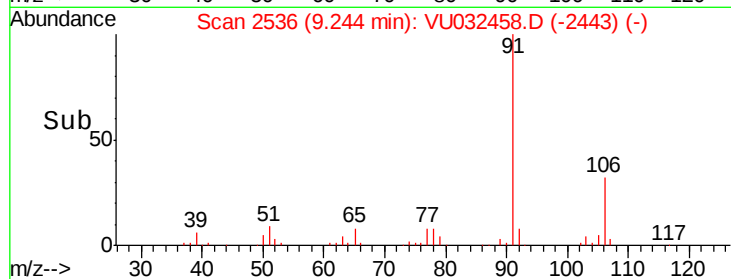
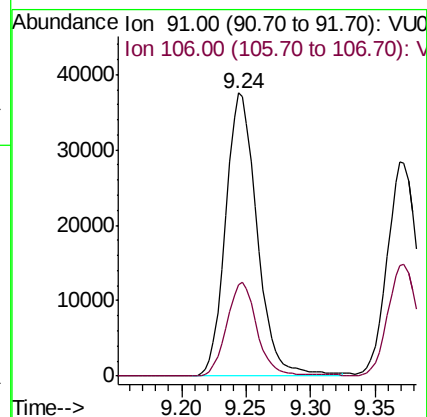
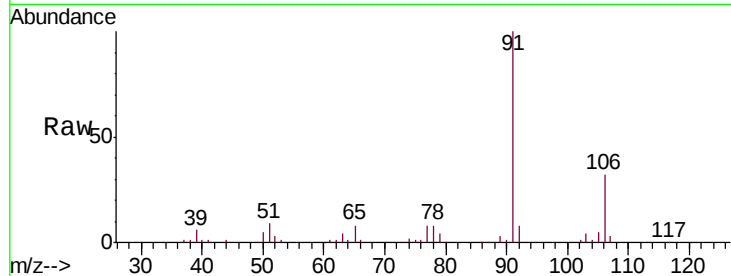
VSTD01055

Tgt Ion: 91 Resp: 63917

Ion Ratio Lower Upper

91 100

106 32.3 22.0 41.0



#53

m,p-Xylene

Concen: 10.515 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032458.D

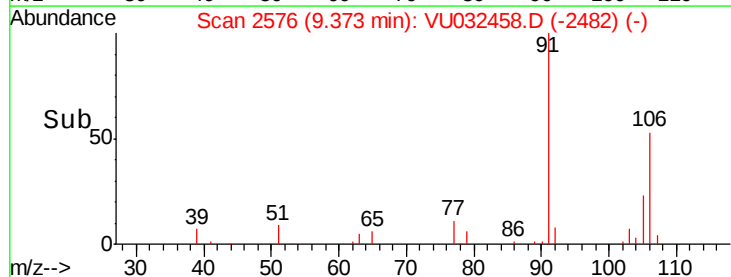
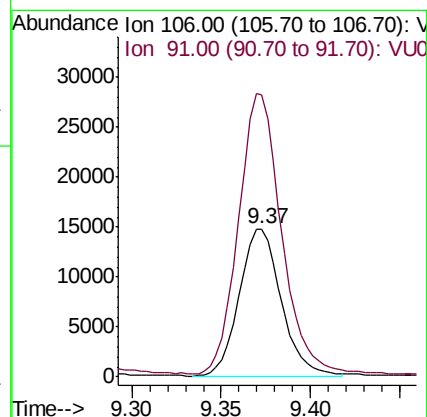
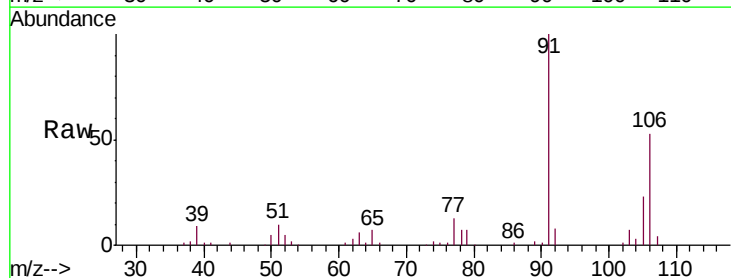
Acq: 05 Jun 2019 13:58

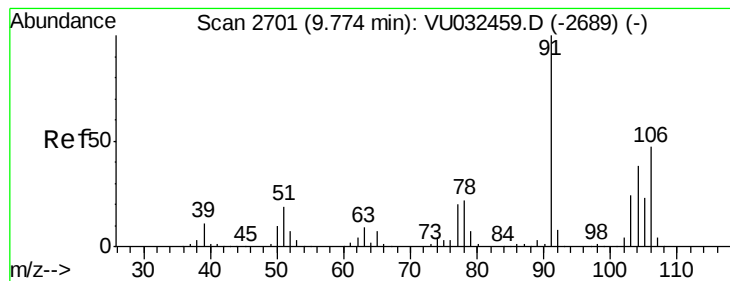
Tgt Ion: 106 Resp: 24620

Ion Ratio Lower Upper

106 100

91 190.4 141.7 263.1





#54

o-xylene

Concen: 10.412 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

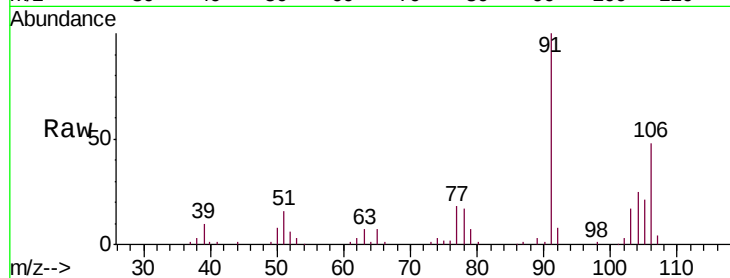
VSTD01055

Tgt Ion:106 Resp: 24478

Ion Ratio Lower Upper

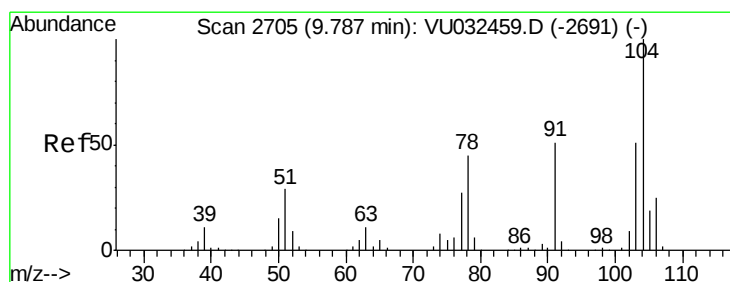
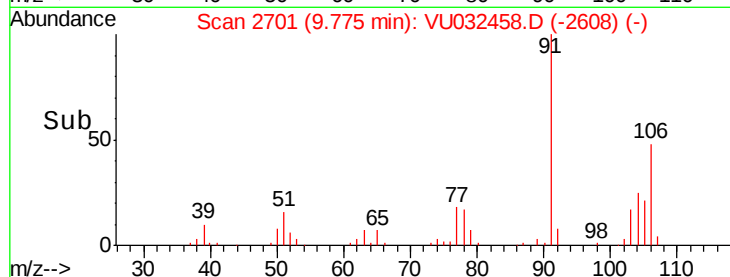
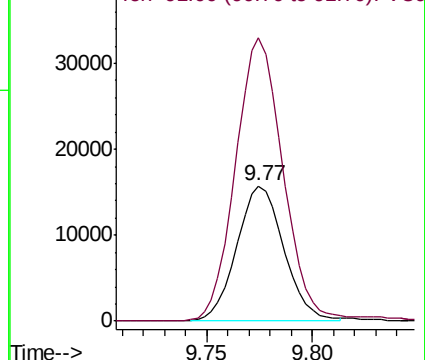
106 100

91 209.4 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.791 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU032458.D

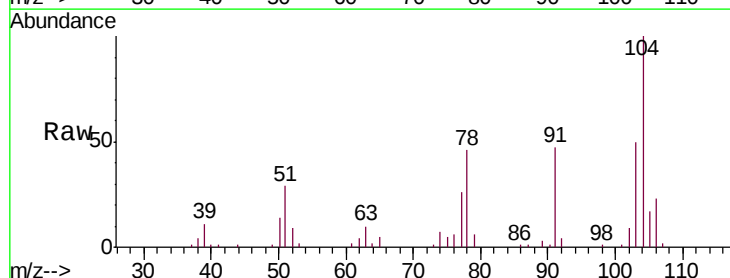
Acq: 05 Jun 2019 13:58

Tgt Ion:104 Resp: 38515

Ion Ratio Lower Upper

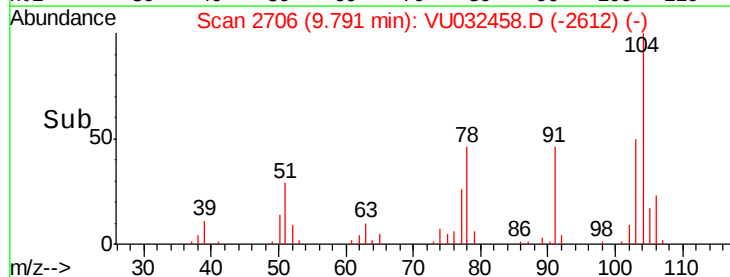
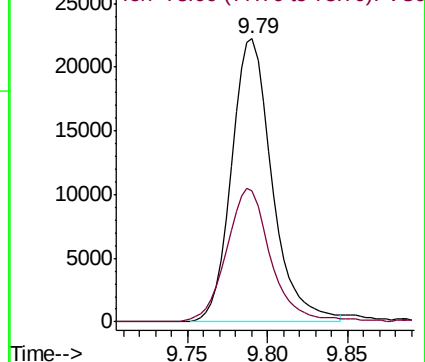
104 100

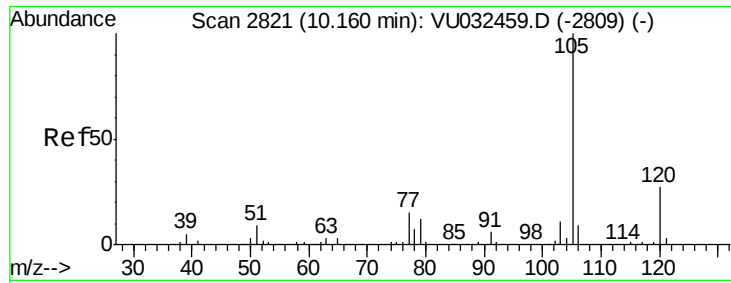
78 46.1 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 10.606 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01055

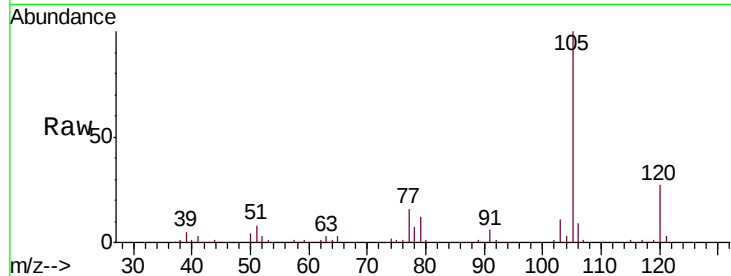
Tgt Ion:105 Resp: 63748

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

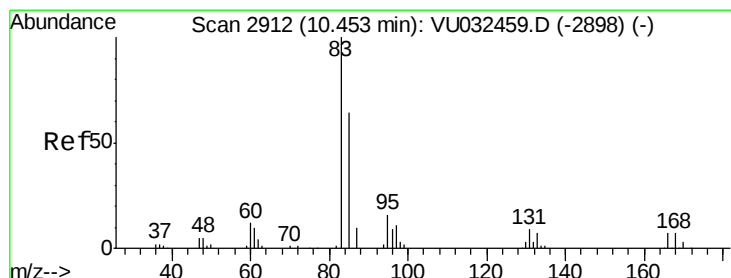
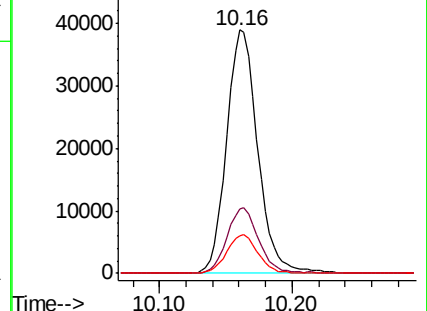
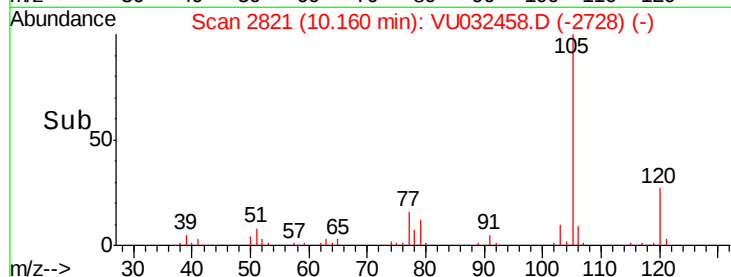
77 15.8 12.4 18.6



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: 9.301 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

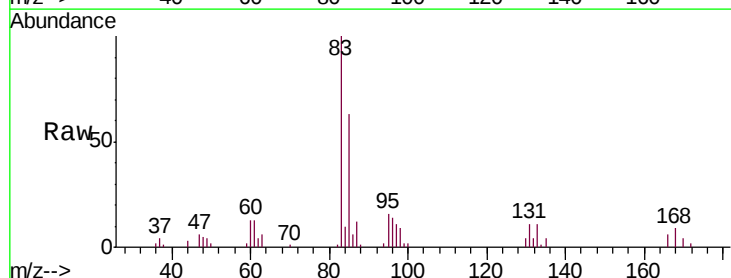
Tgt Ion: 83 Resp: 21537

Ion Ratio Lower Upper

83 100

85 62.6 45.1 83.7

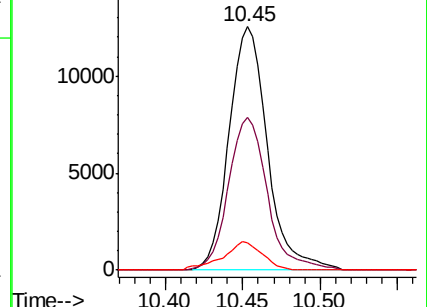
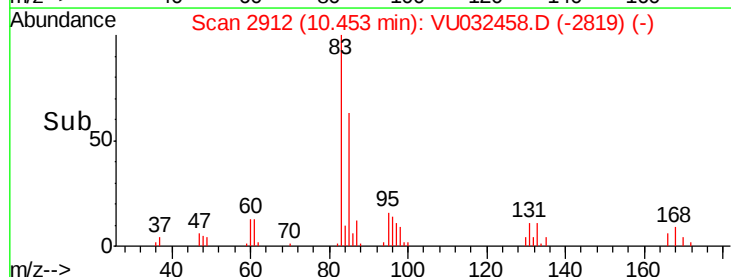
131 11.4 7.9 11.9

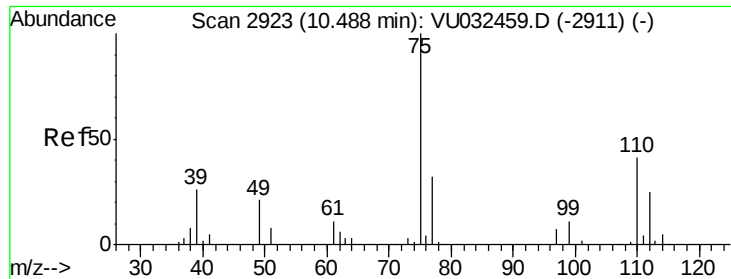


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

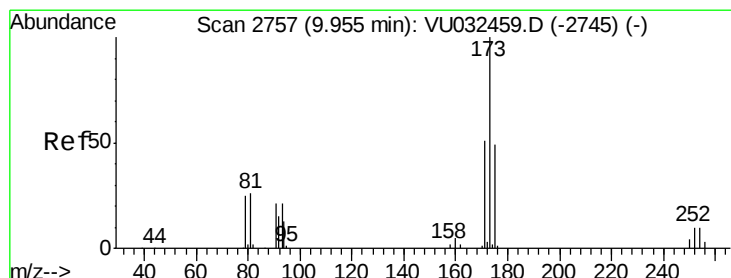
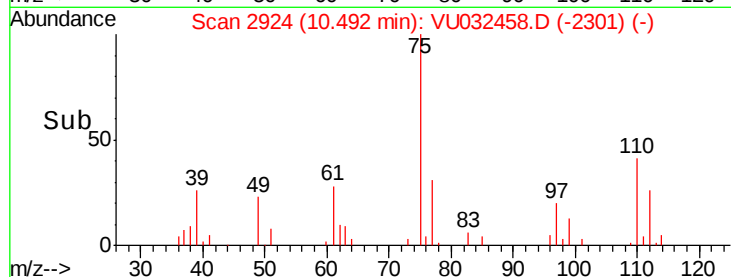
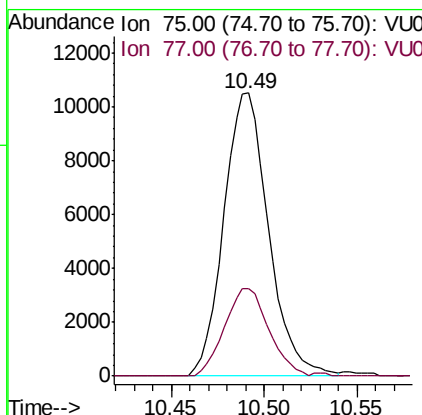
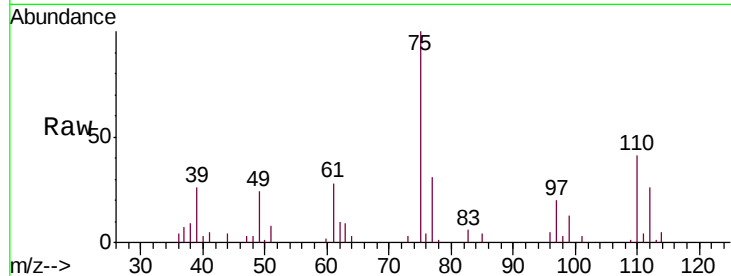




#59
 1,2,3-Trichloropropane
 Concen: 9.618 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

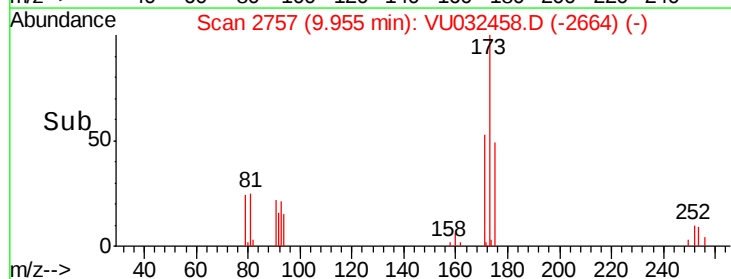
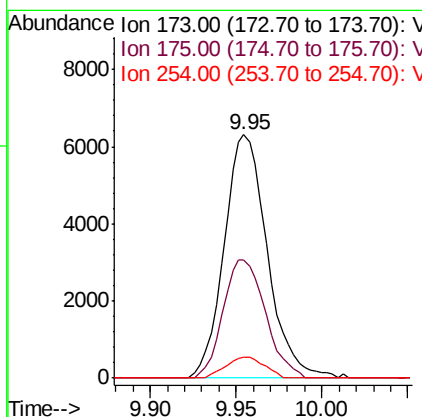
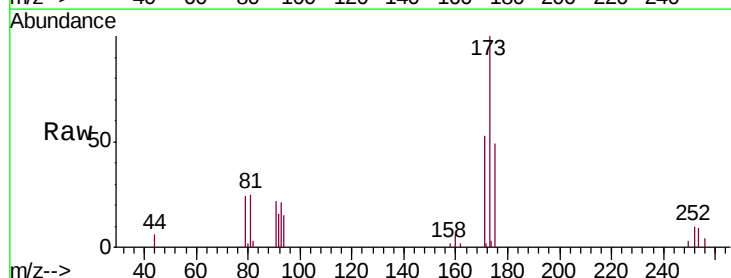
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01055

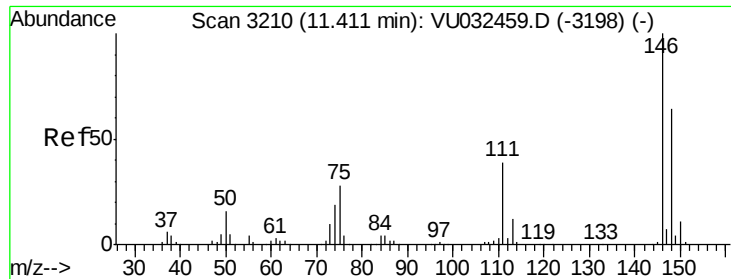
Tgt Ion: 75 Resp: 17583
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.6 38.4



#61
 Bromoform
 Concen: 8.858 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

Tgt Ion: 173 Resp: 11036
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.7 59.5
 254 7.8 7.8 11.8#

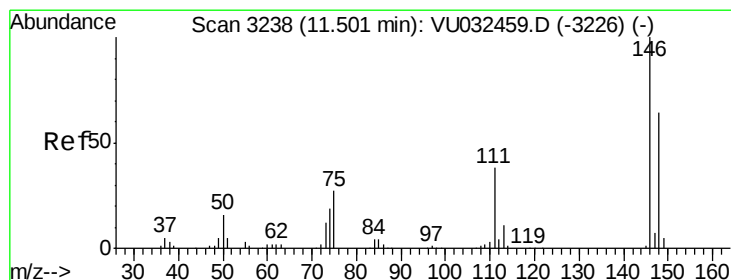
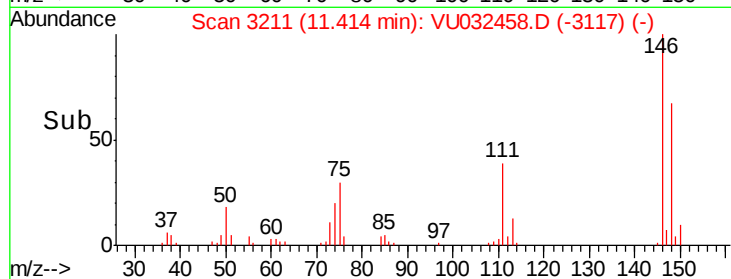
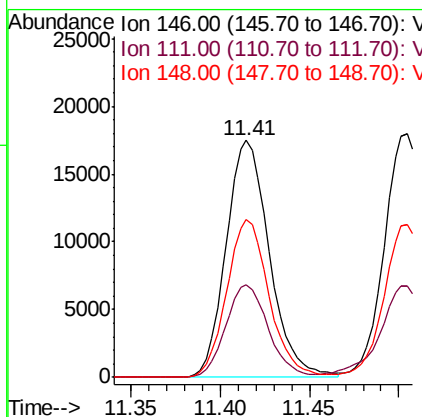
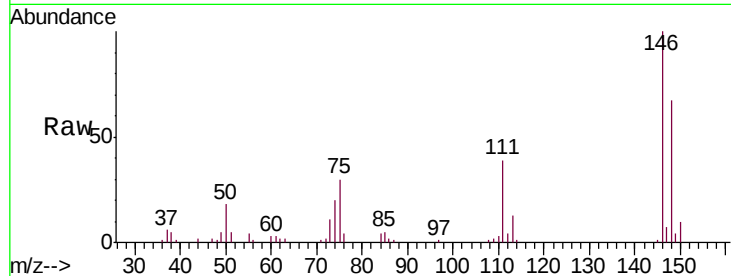




#62
 1,3-Dichlorobenzene
 Concen: 9.839 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

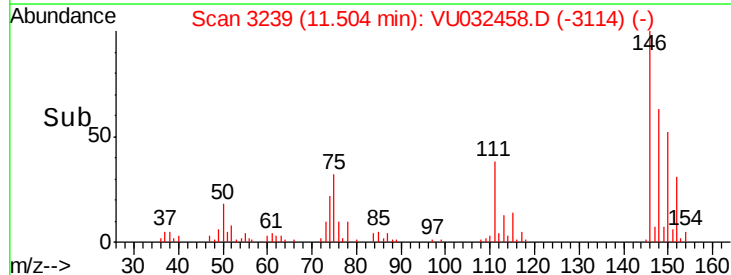
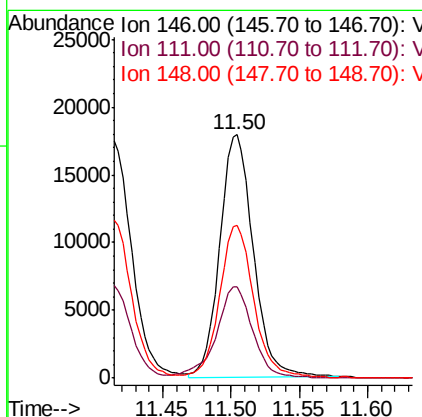
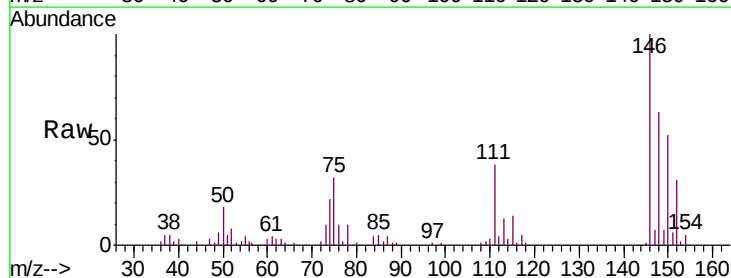
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01055

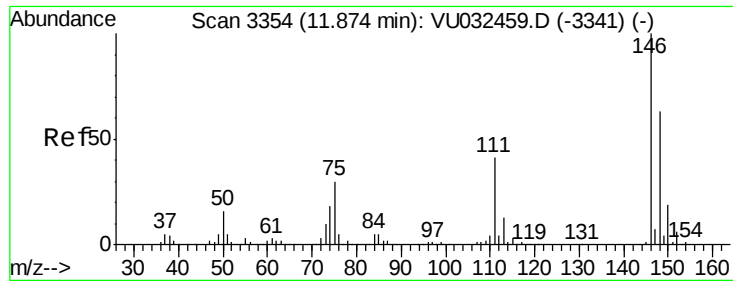
Tgt Ion:146 Resp: 29524
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.3 50.7
 148 66.5 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 9.922 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

Tgt Ion:146 Resp: 30377
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.6 49.4
 148 62.6 44.9 83.5

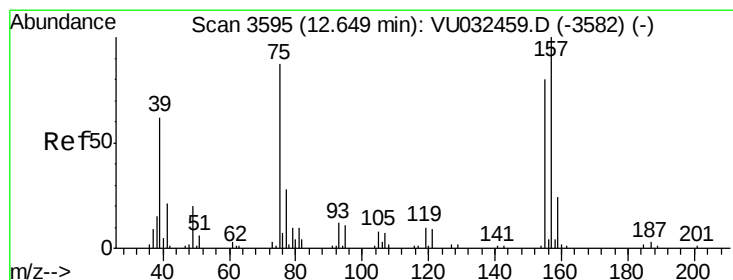
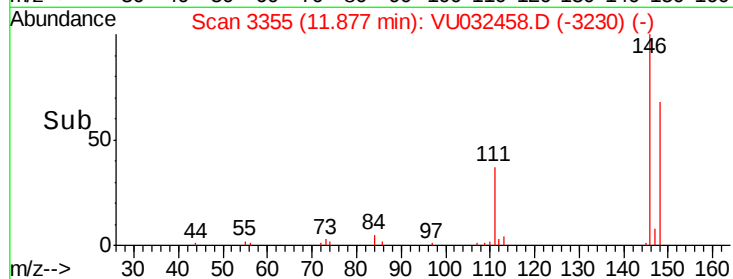
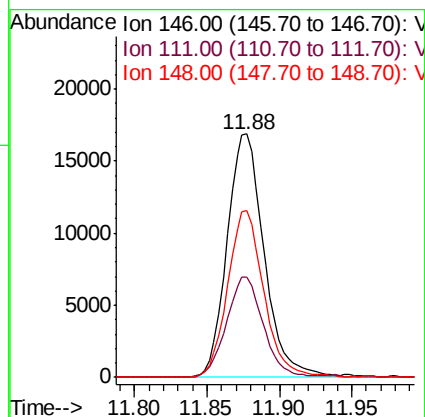
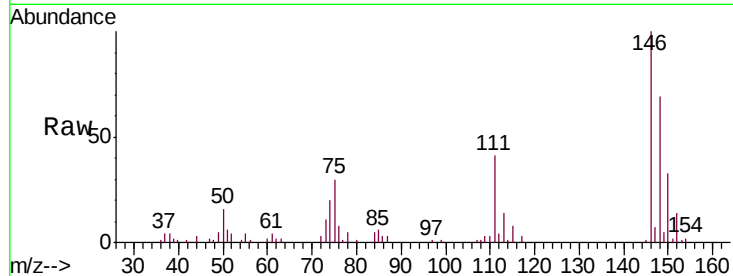




#65
 1,2-Dichlorobenzene
 Concen: 9.556 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

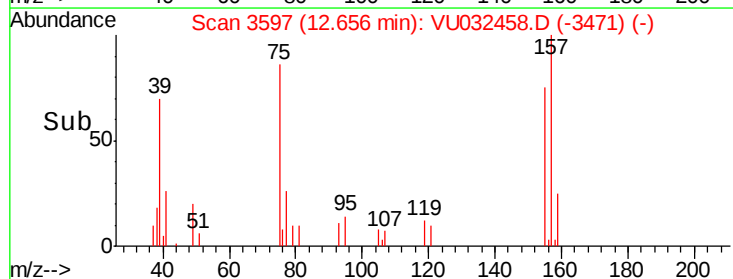
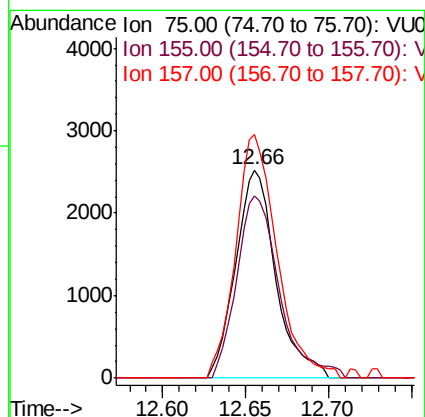
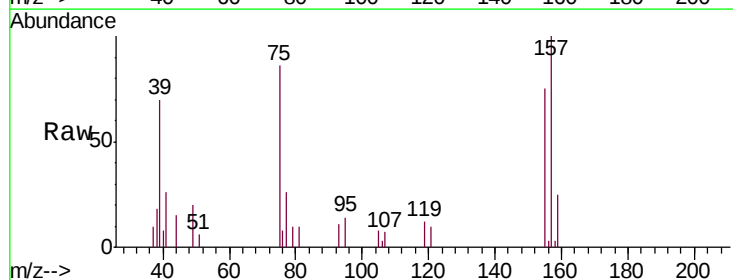
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01055

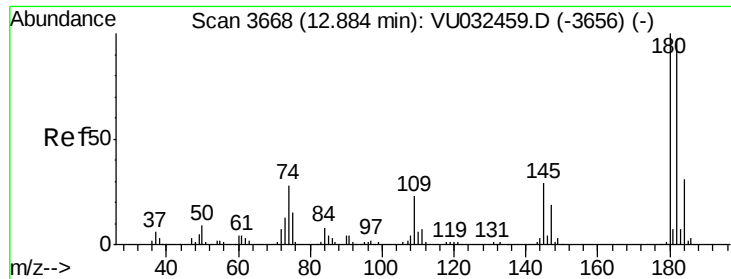
Tgt Ion: 146 Resp: 29912
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.6 48.8
 148 68.6 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.148 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.01 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

Tgt Ion: 75 Resp: 4250
 Ion Ratio Lower Upper
 75 100
 155 87.3 73.1 109.7
 157 116.9 91.4 137.2

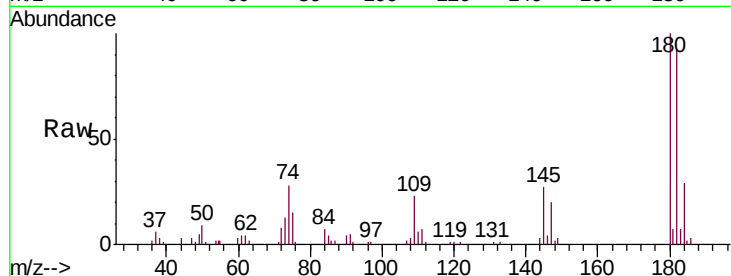




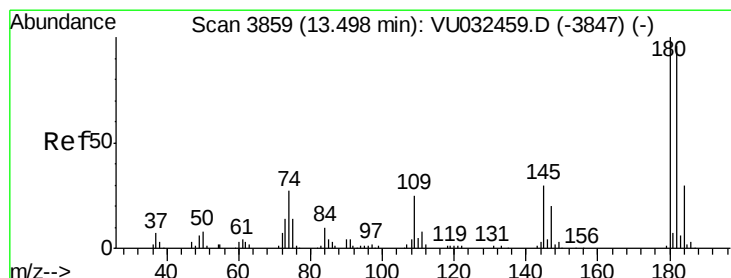
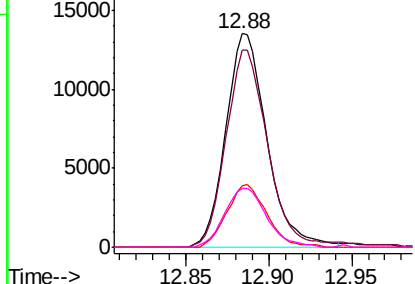
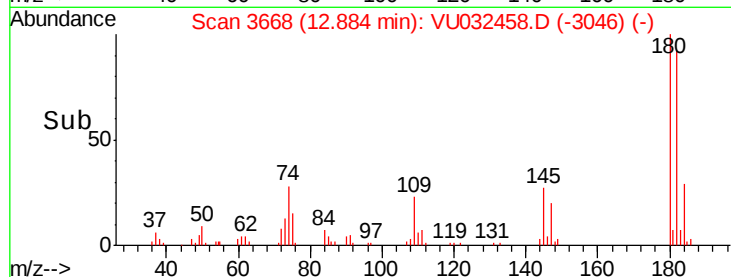
#67
 1,3,5-Trichlorobenzene
 Concen: 10.442 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01055

Tgt Ion:180 Resp: 23349
 Ion Ratio Lower Upper
 180 100
 182 94.3 78.2 117.4
 184 28.5 24.2 36.2
 145 28.3 23.9 35.9

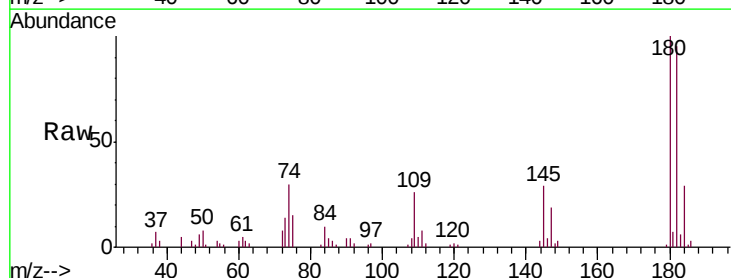


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

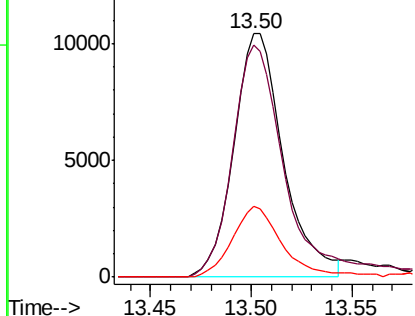
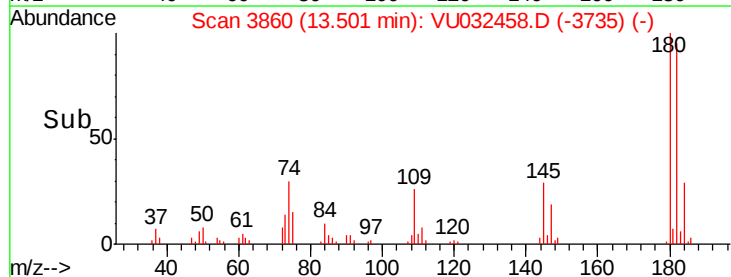


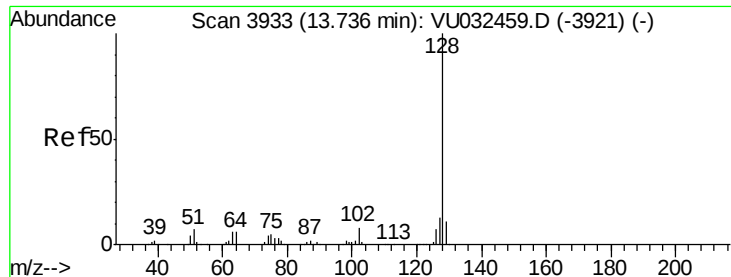
#68
 1,2,4-trichlorobenzene
 Concen: 10.167 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU032458.D
 Acq: 05 Jun 2019 13:58

Tgt Ion:180 Resp: 17984
 Ion Ratio Lower Upper
 180 100
 182 103.3 76.5 114.7
 145 29.6 23.8 35.6



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





#69

Naphthalene

Concen: 10.881 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.01 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD01055

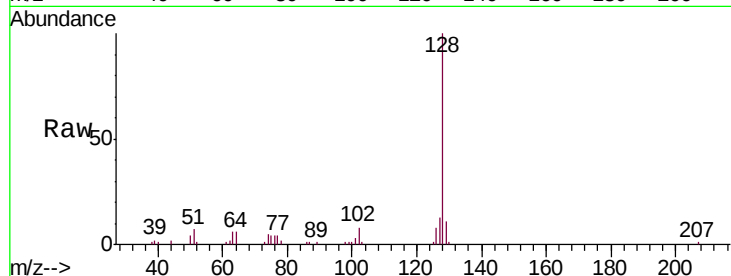
Tgt Ion:128 Resp: 57937

Ion Ratio Lower Upper

128 100

127 11.9 10.4 15.6

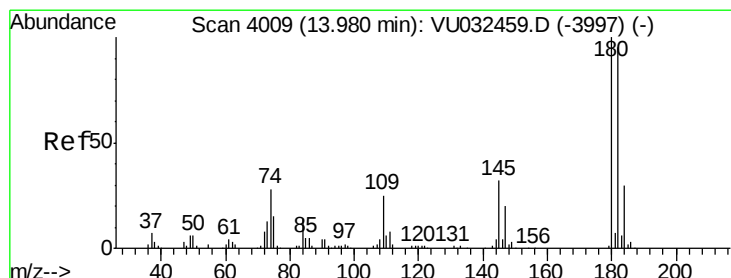
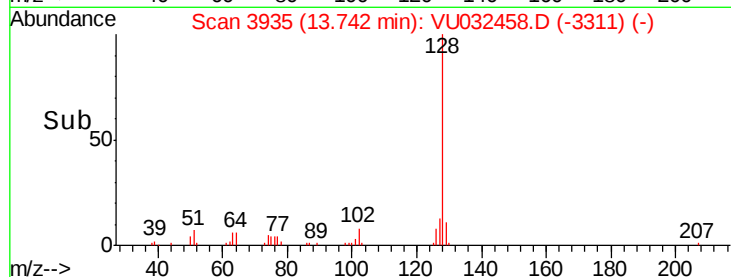
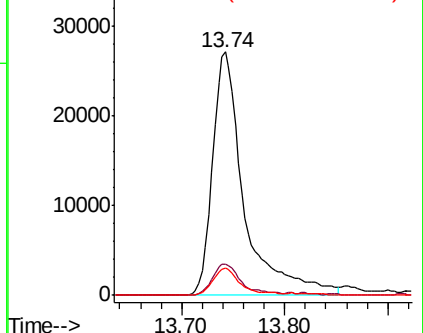
129 9.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.938 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.01 min

Lab File: VU032458.D

Acq: 05 Jun 2019 13:58

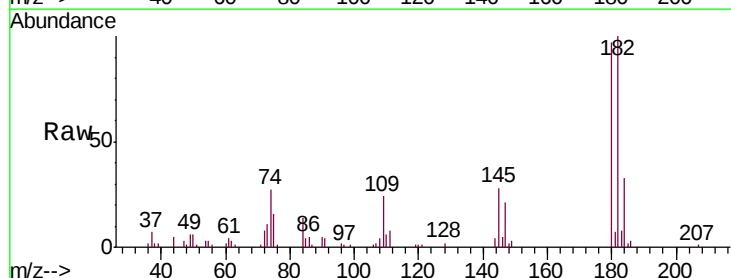
Tgt Ion:180 Resp: 20569

Ion Ratio Lower Upper

180 100

182 99.8 76.7 115.1

145 28.1 25.4 38.2



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

