

Data File : VU032697.D
Acq On : 13 Jun 2019 16:22
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Quant Time: Jun 14 07:35:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 06 01:05:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	105103	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	101334	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54692	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	31922	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.67	69	26615	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.27	63	68944	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.18	46	94929	49.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.56%
24) Chloroform-d	4.64	84	66916	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
26) 1,2-Dichloroethane-d4	5.30	65	35100	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	5.33	84	128085	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.32	67	39526	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.56	98	123161	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.85	79	16551	4.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.80%
46) 2-Hexanone-d5	8.31	63	70334	42.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	32531	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	49201	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	48685	5.399	ug/L 99
3) Chloromethane	1.33	50	43859	4.689	ug/L 99
5) Vinyl chloride	1.40	62	44935	4.888	ug/L 100
6) Bromomethane	1.61	94	26001	4.637	ug/L 97
8) Chloroethane	1.69	64	26136	4.450	ug/L 99
9) Trichlorofluoromethane	1.88	101	65026	4.942	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	34492	4.931	ug/L 97
12) 1,1-Dichloroethene	2.28	96	31448	4.709	ug/L 96
13) Acetone	2.32	43	69612	47.029	ug/L 98
14) Carbon disulfide	2.47	76	98636	4.612	ug/L 98
15) Methyl Acetate	2.61	43	18491	4.553	ug/L 99
16) Methylene chloride	2.69	84	35357	4.774	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	88832	4.548	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	35163	4.880	ug/L 97
19) 1,1-Dichloroethane	3.43	63	66718	5.173	ug/L 99
21) 2-Butanone	4.27	43	104881	48.718	ug/L 98
22) cis-1,2-Dichloroethene	4.22	96	40074	4.915	ug/L 99

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ClientSampleId :
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Quant Time: Jun 14 07:35:59 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 06 01:05:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	18016	5.133	ug/L	97
25) Chloroform	4.67	83	68413	5.193	ug/L	94
27) 1,2-Dichloroethane	5.40	62	44657	5.157	ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	60124	4.869	ug/L	98
30) Cyclohexane	4.98	56	60443	4.631	ug/L	98
31) Carbon tetrachloride	5.12	117	54115	4.820	ug/L	98
33) Benzene	5.38	78	145369	4.866	ug/L	100
34) Trichloroethene	6.18	95	40855	4.754	ug/L	98
35) Methylcyclohexane	6.41	83	63342	4.583	ug/L	97
37) 1,2-Dichloropropane	6.43	63	38773	5.016	ug/L	99
38) Bromodichloromethane	6.75	83	49592	4.991	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	54936	4.629	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	254631	46.288	ug/L	98
42) Toluene	7.63	91	159310	4.784	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	43732	4.615	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	27324	4.858	ug/L	96
47) Tetrachloroethene	8.22	164	33595	4.968	ug/L	96
48) 2-Hexanone	8.36	43	183101	46.577	ug/L	99
49) Dibromochloromethane	8.47	129	33816	4.701	ug/L	99
50) 1,2-Dibromoethane	8.58	107	25876	4.617	ug/L	95
51) Chlorobenzene	9.11	112	101591	4.866	ug/L	98
52) Ethylbenzene	9.24	91	172715	4.707	ug/L	99
53) m,p-Xylene	9.37	106	65391	4.700	ug/L	94
54) o-Xylene	9.77	106	64109	4.617	ug/L	99
55) Styrene	9.79	104	108261	4.739	ug/L	99
56) Isopropylbenzene	10.16	105	172396	4.707	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	33543	4.663	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	24545	4.835	ug/L	99
61) Bromoform	9.95	173	19202	4.370	ug/L #	98
62) 1,3-Dichlorobenzene	11.41	146	82800	4.638	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	84788	4.671	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	81085	4.700	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5268	4.349	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	69397	4.850	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	55385	4.800	ug/L	96
69) Naphthalene	13.74	128	86119	4.258	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	53830	4.685	ug/L	98

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

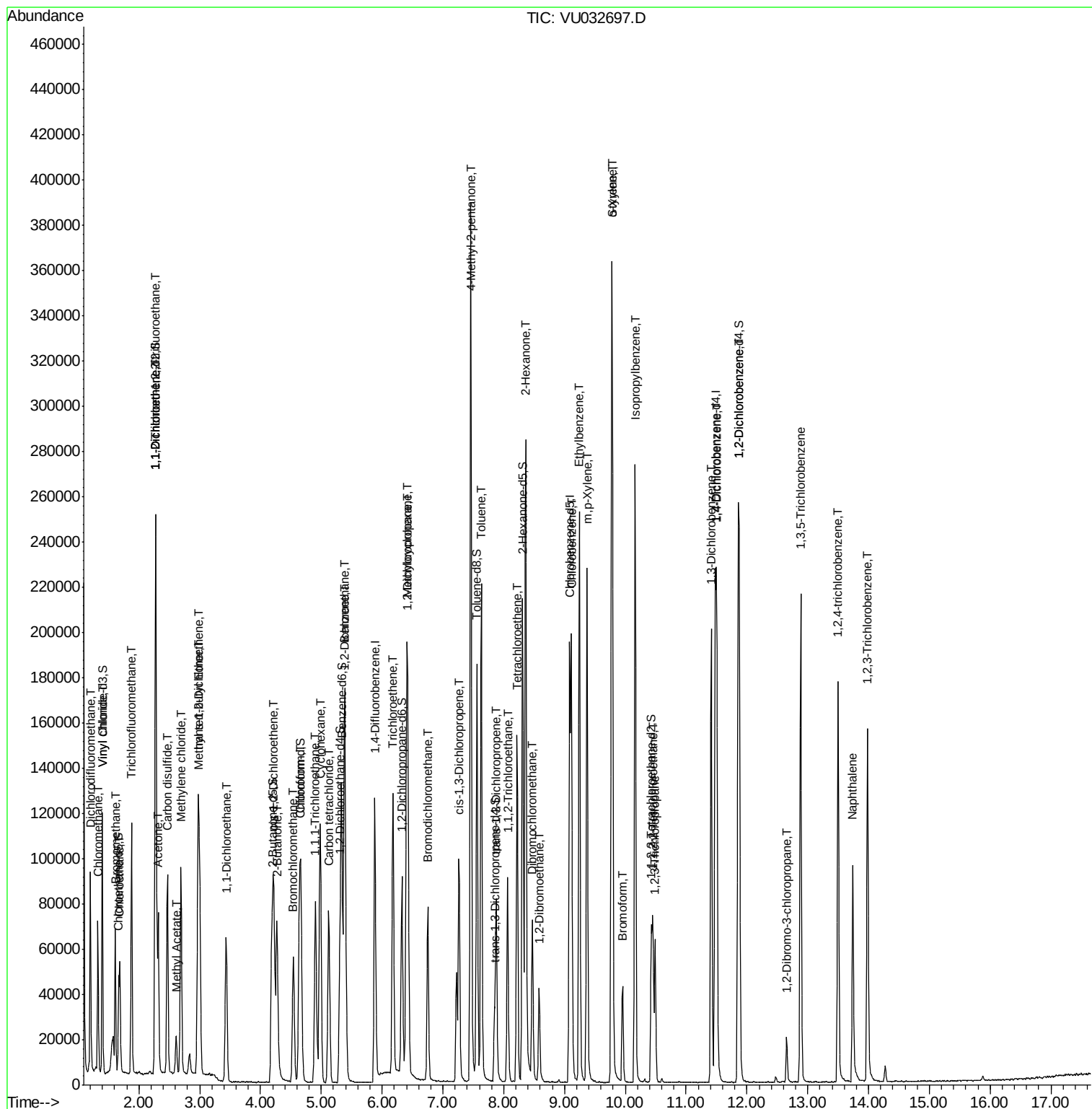
Quant Time: Jun 14 07:35:59 2019

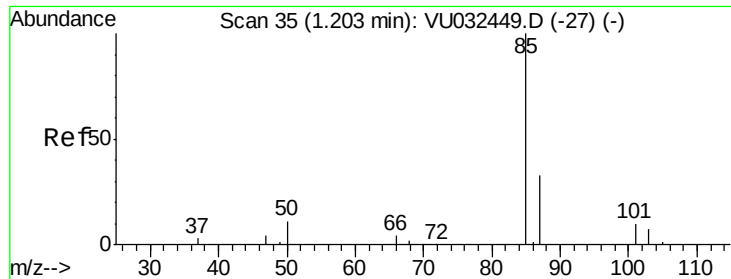
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Jun 06 01:05:42 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.399 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

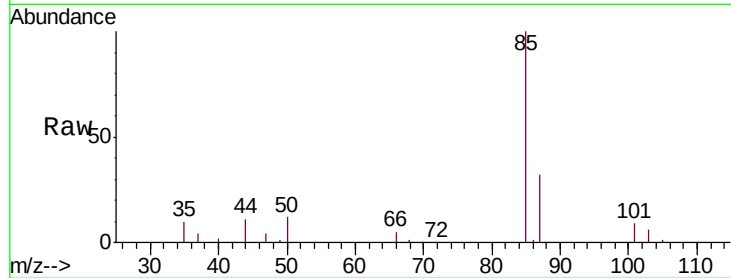
VSTD00523

Tgt Ion: 85 Resp: 48685

Ion Ratio Lower Upper

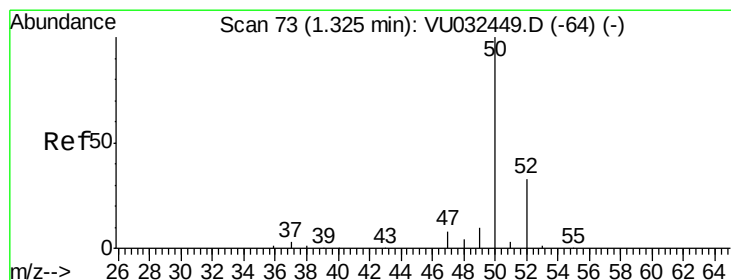
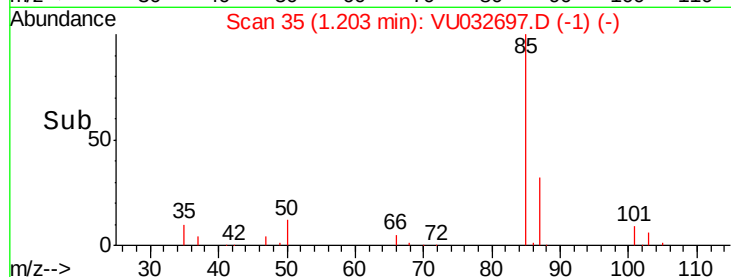
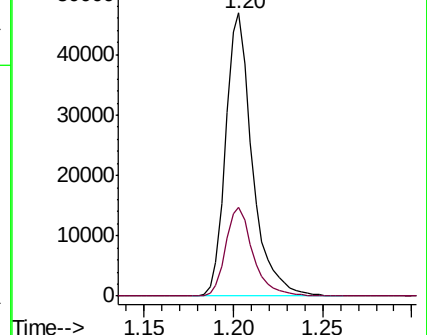
85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032449.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032449.D (-27) (-)



#3

Chloromethane

Concen: 4.689 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032697.D

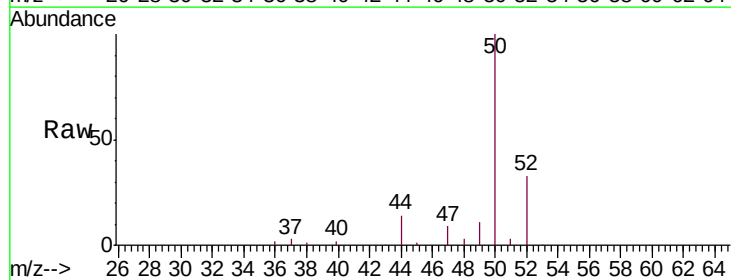
Acq: 13 Jun 2019 16:22

Tgt Ion: 50 Resp: 43859

Ion Ratio Lower Upper

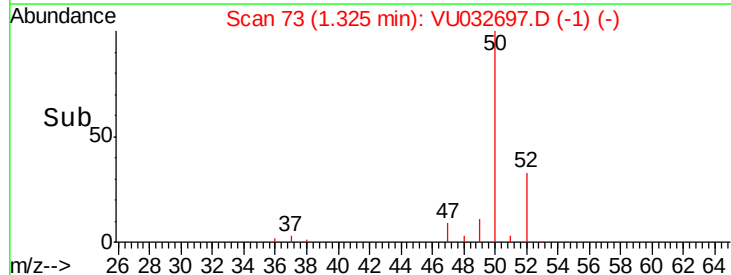
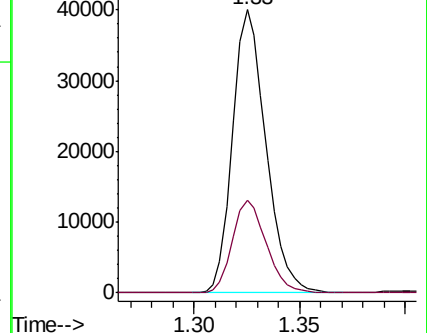
50 100

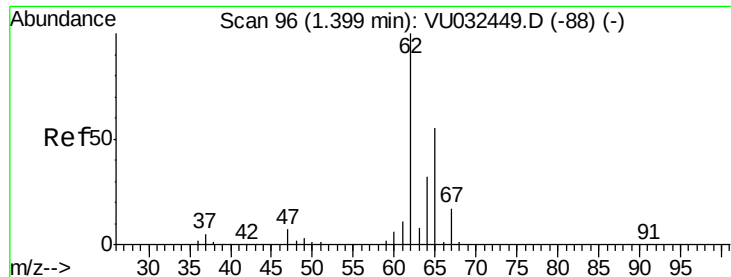
52 32.8 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032449.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032449.D (-64) (-)





#5

Vinyl chloride

Concen: 4.888 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

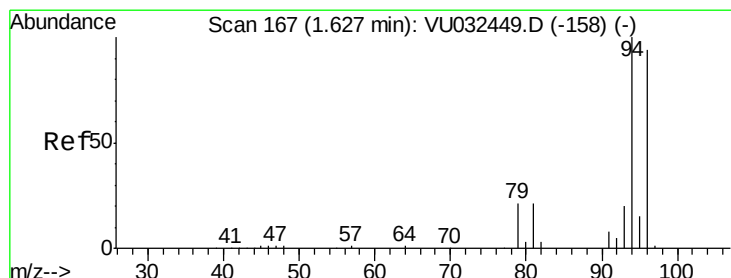
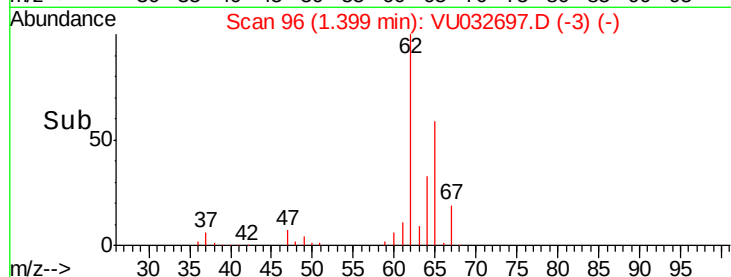
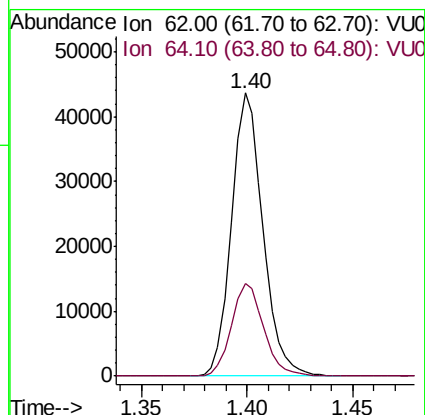
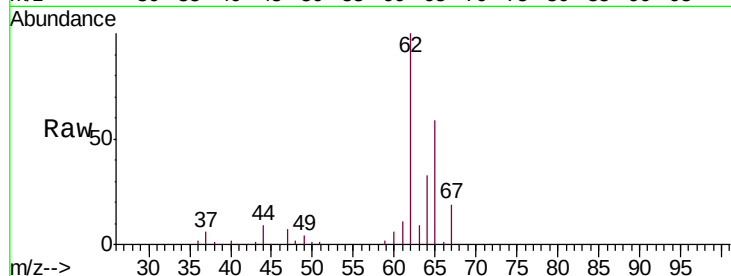
VSTD00523

Tgt Ion: 62 Resp: 44935

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



#6

Bromomethane

Concen: 4.637 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.02 min

Lab File: VU032697.D

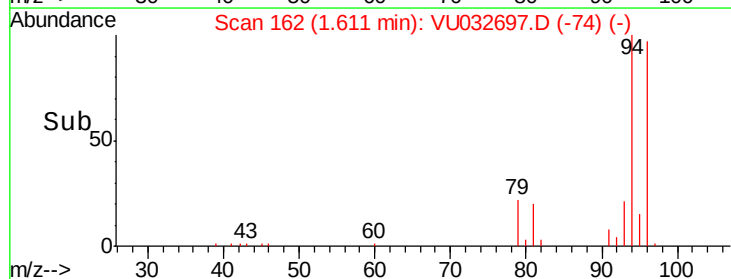
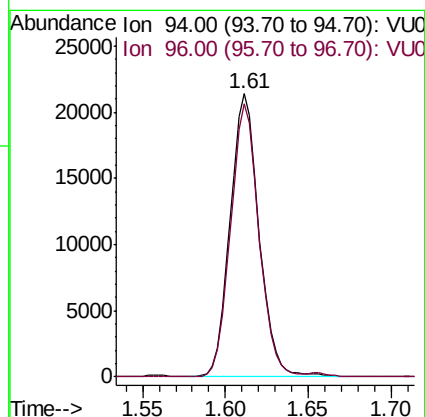
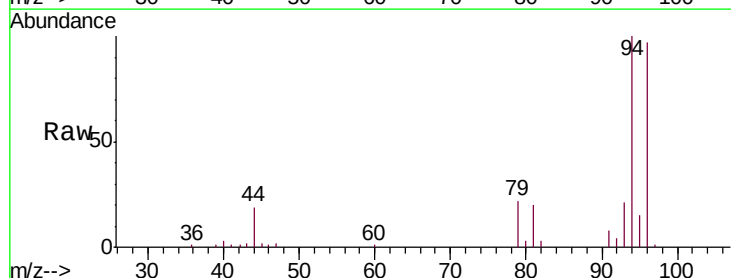
Acq: 13 Jun 2019 16:22

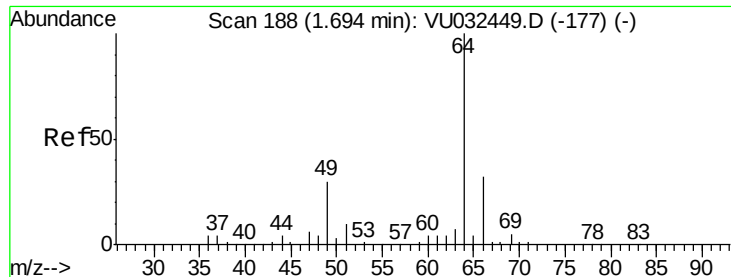
Tgt Ion: 94 Resp: 26001

Ion Ratio Lower Upper

94 100

96 96.6 65.5 121.6





#8

Chloroethane

Concen: 4.450 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

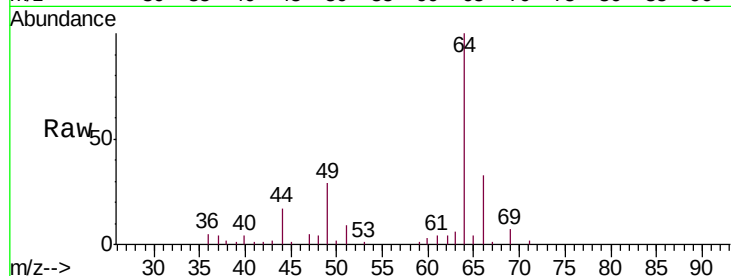
VSTD00523

Tgt Ion: 64 Resp: 26136

Ion Ratio Lower Upper

64 100

66 33.4 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032449.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU032697.D (-153) (-)

1.69

20000

15000

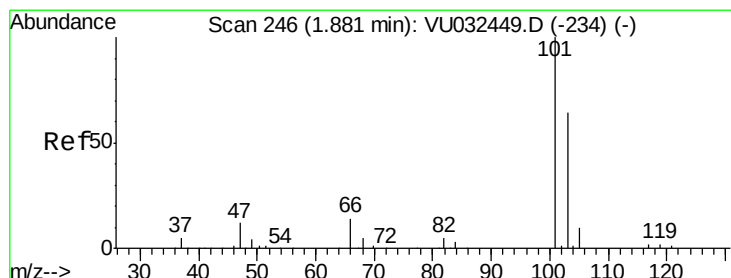
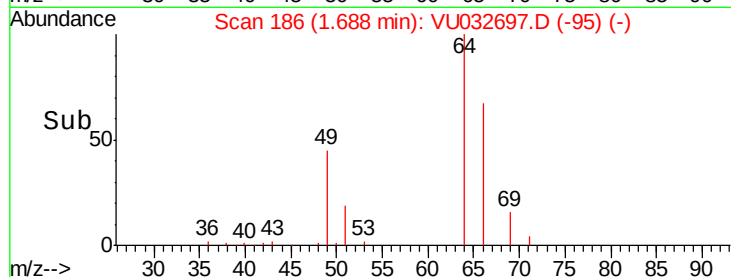
10000

5000

0

Time-->

1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 4.942 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032697.D

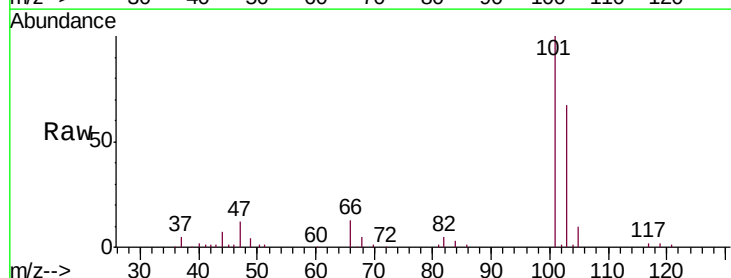
Acq: 13 Jun 2019 16:22

Tgt Ion: 101 Resp: 65026

Ion Ratio Lower Upper

101 100

103 64.9 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032449.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU032697.D (-153) (-)

1.88

50000

40000

30000

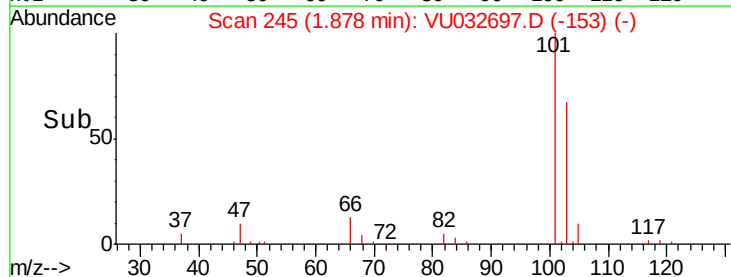
20000

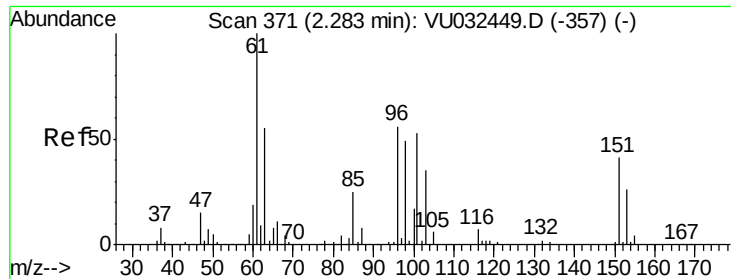
10000

0

Time-->

1.80 1.85 1.90 1.95





#10

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

Concen: 4.931 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

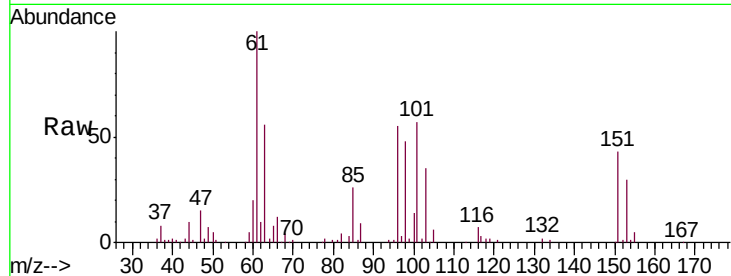
Tgt Ion:101 Resp: 34492

Ion Ratio Lower Upper

101 100

85 46.1 38.9 58.3

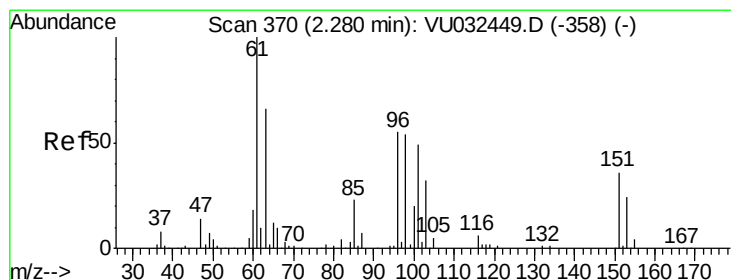
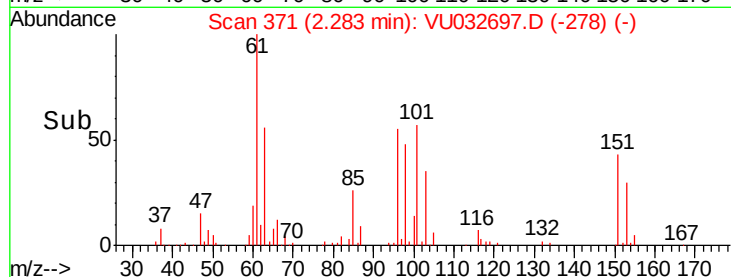
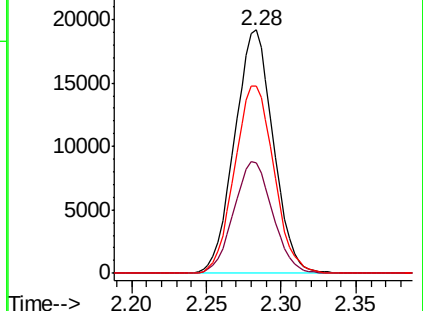
151 78.2 61.0 91.4



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: 4.709 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

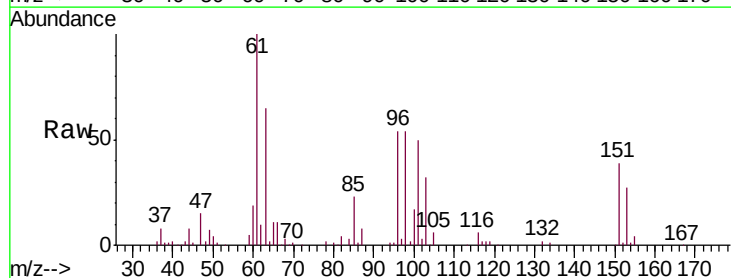
Tgt Ion: 96 Resp: 31448

Ion Ratio Lower Upper

96 100

61 185.7 131.8 244.8

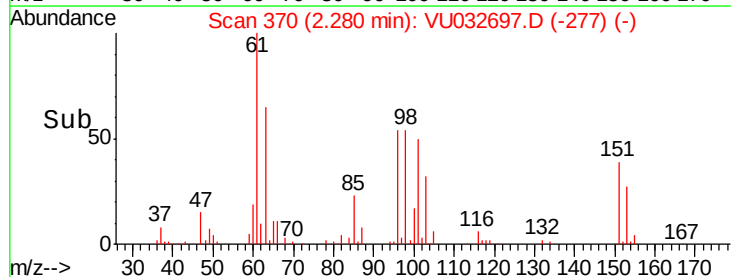
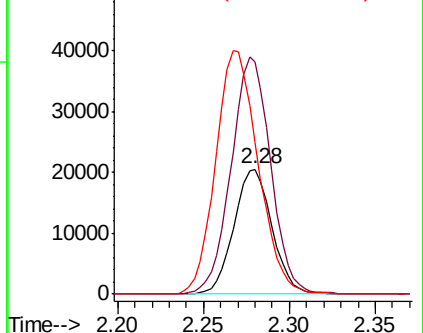
63 121.6 90.1 167.3

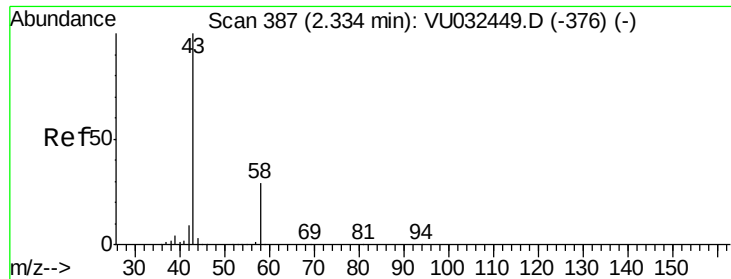


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.029 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.02 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

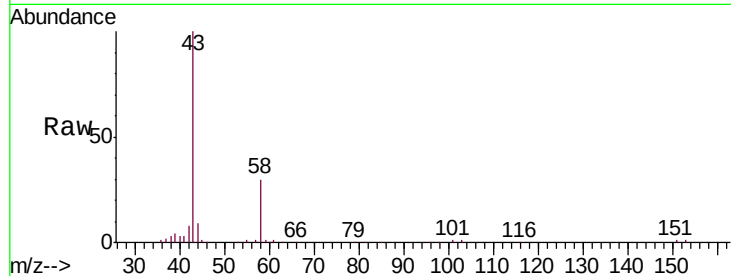
VSTD00523

Tgt Ion: 43 Resp: 69612

Ion Ratio Lower Upper

43 100

58 29.3 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032449.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU032449.D (-376) (-)

2.32

50000

40000

30000

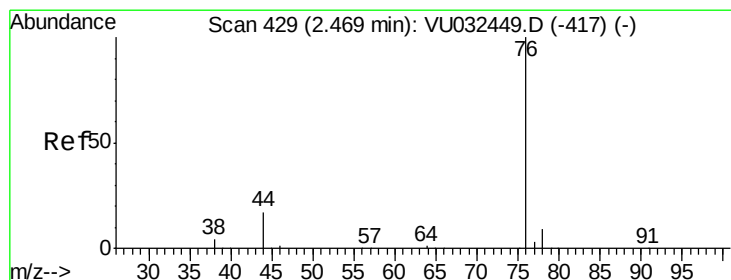
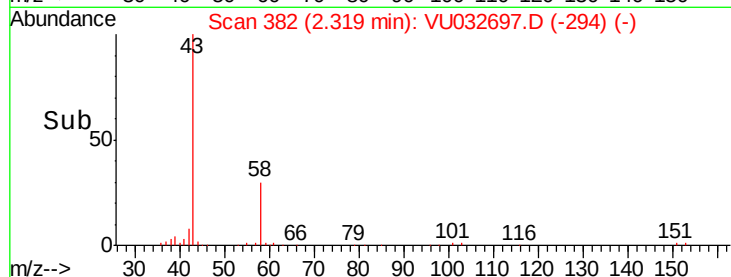
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.612 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032697.D

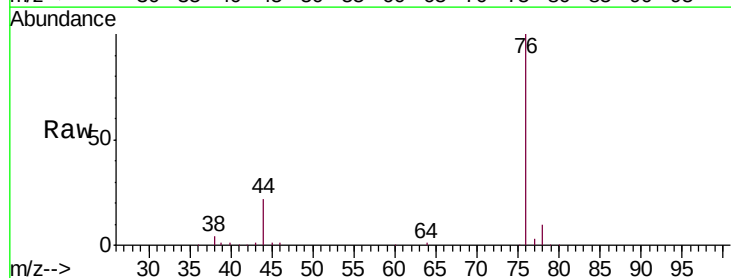
Acq: 13 Jun 2019 16:22

Tgt Ion: 76 Resp: 98636

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU032449.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032449.D (-417) (-)

2.47

60000

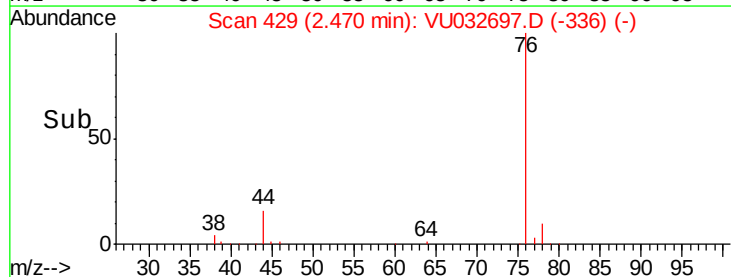
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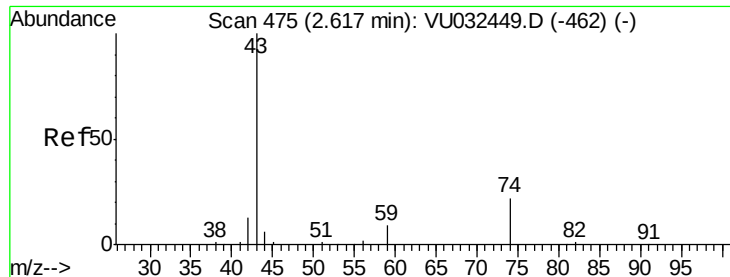
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0

Time-->

2.40 2.45 2.50 2.55

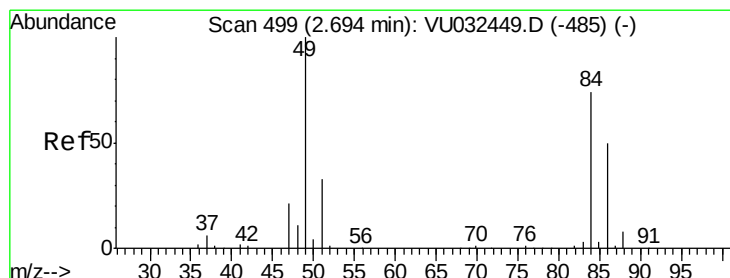
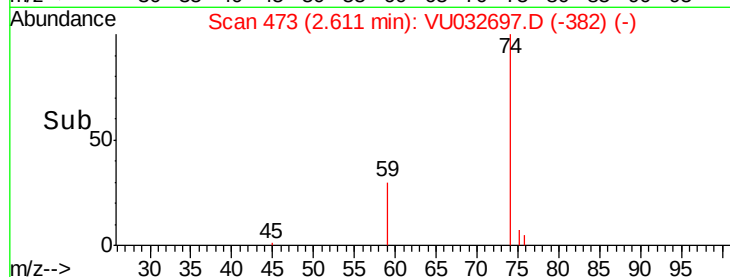
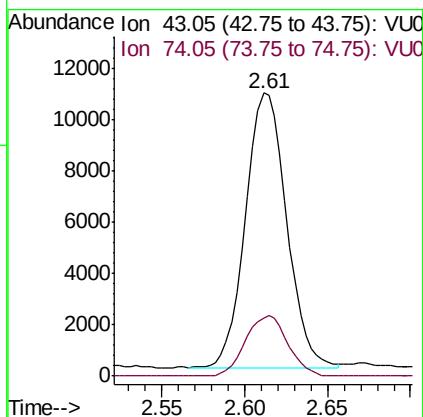
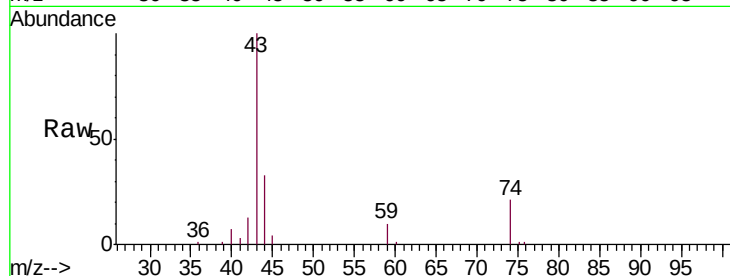




#15
Methyl Acetate
Concen: 4.553 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.01 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

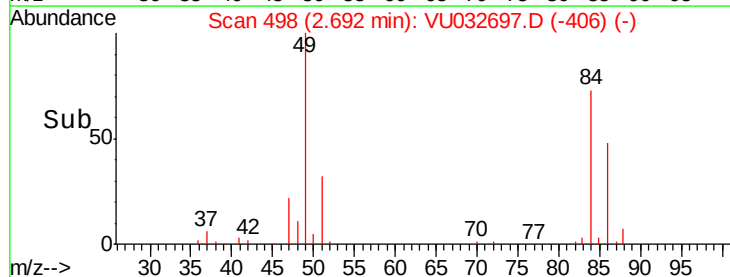
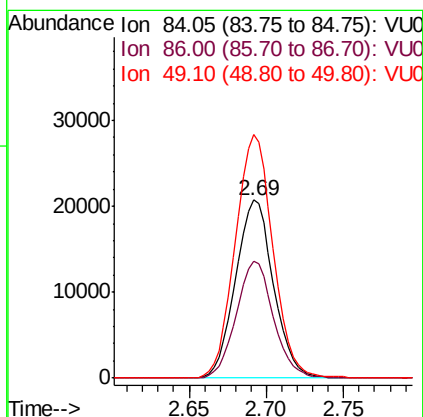
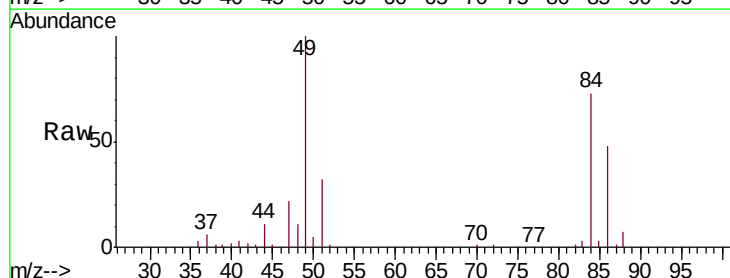
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

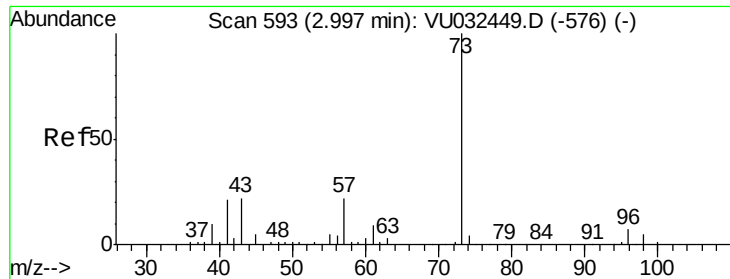
Tgt Ion: 43 Resp: 18491
Ion Ratio Lower Upper
43 100
74 22.6 17.8 26.8



#16
Methylene chloride
Concen: 4.774 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

Tgt Ion: 84 Resp: 35357
Ion Ratio Lower Upper
84 100
86 65.8 47.2 87.6
49 136.9 95.9 178.1

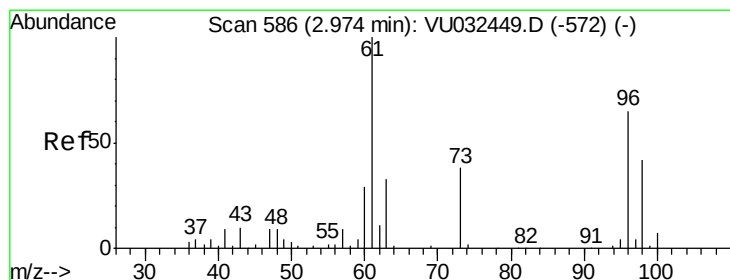
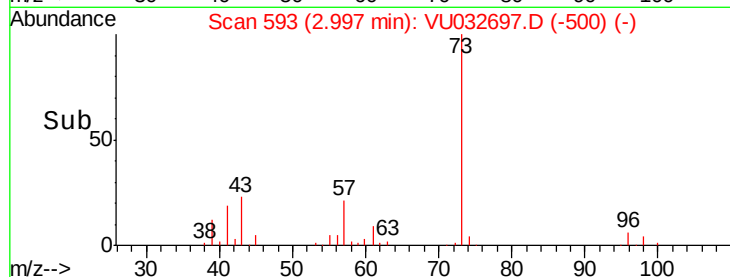
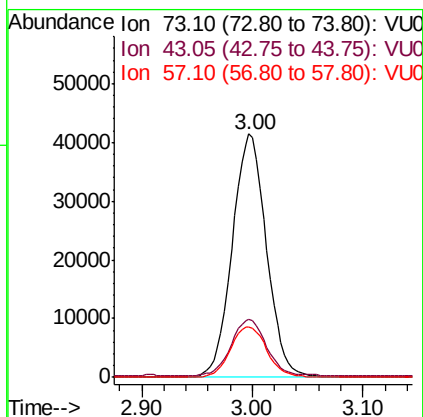
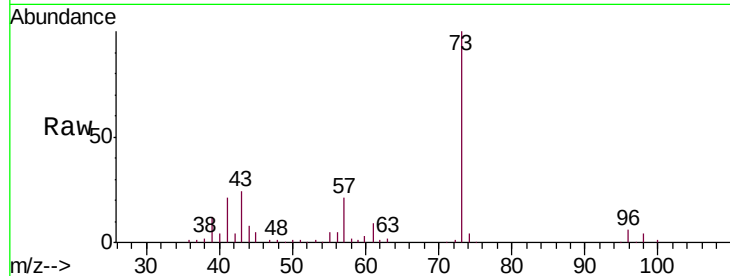




#17
Methyl tert-butyl Ether
Concen: 4.548 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

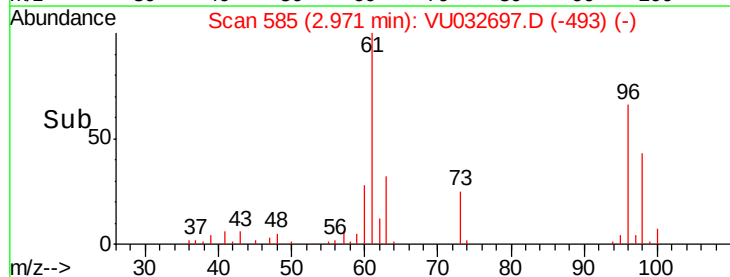
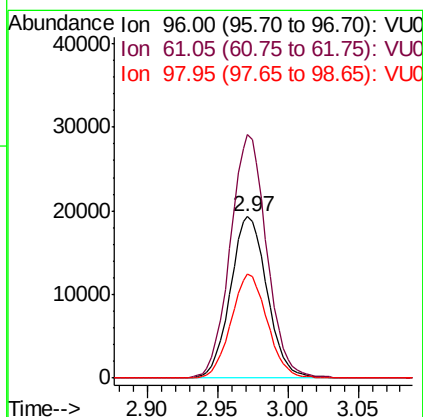
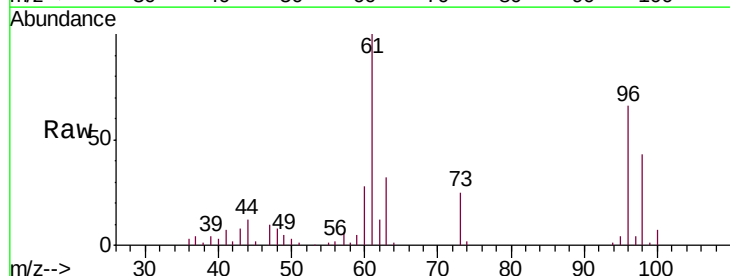
Instrument :
MSVOA_U
ClientSampled :
VSTD00523

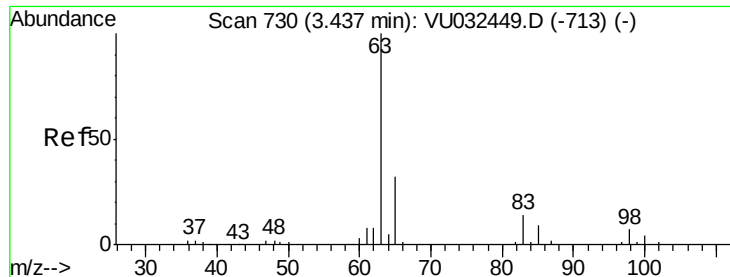
Tgt Ion: 73 Resp: 88832
Ion Ratio Lower Upper
73 100
43 24.0 18.6 27.8
57 22.1 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 4.880 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

Tgt Ion: 96 Resp: 35163
Ion Ratio Lower Upper
96 100
61 151.0 103.1 191.5
98 64.3 43.7 81.1

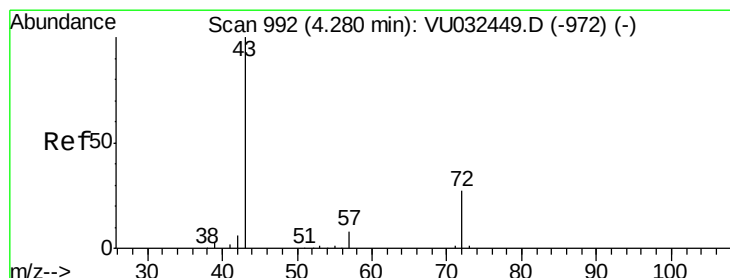
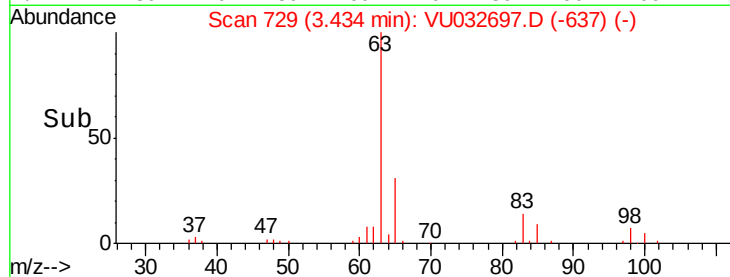
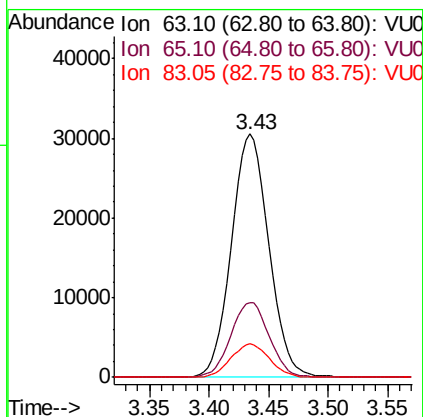
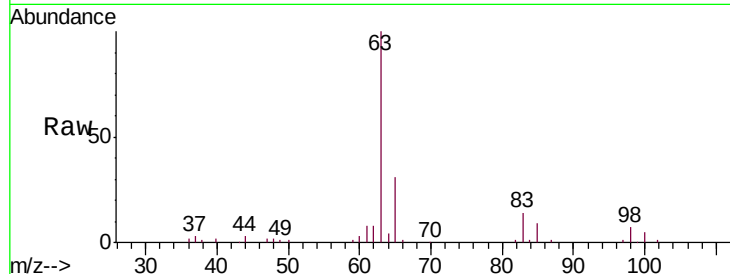




#19
 1,1-Dichloroethane
 Concen: 5.173 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

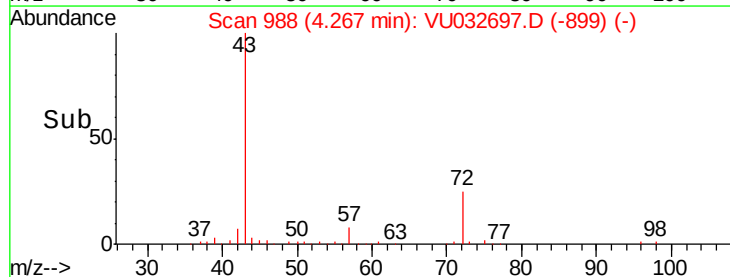
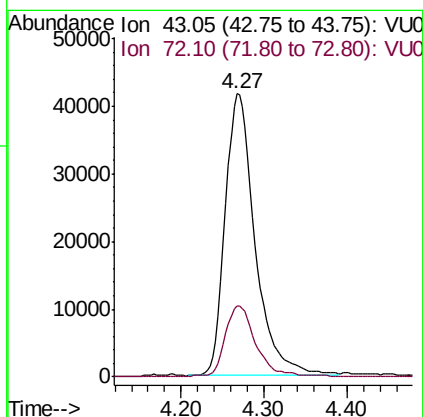
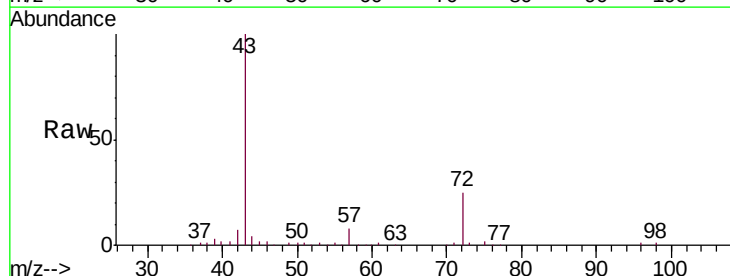
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

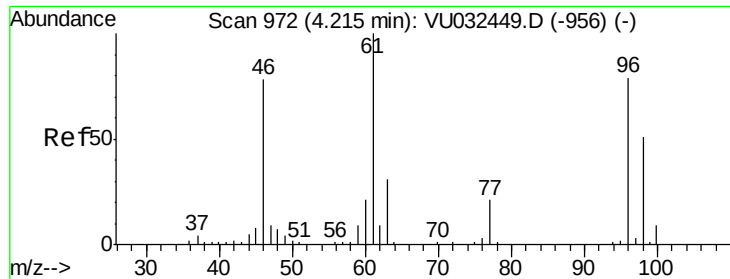
Tgt Ion: 63 Resp: 66718
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.3 39.6
 83 13.9 10.1 18.7



#21
 2-Butanone
 Concen: 48.718 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion: 43 Resp: 104881
 Ion Ratio Lower Upper
 43 100
 72 25.4 13.1 39.3



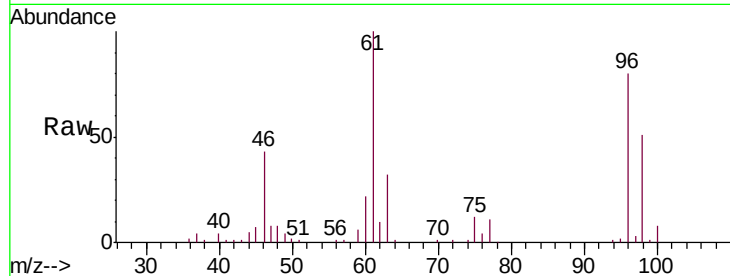


#22

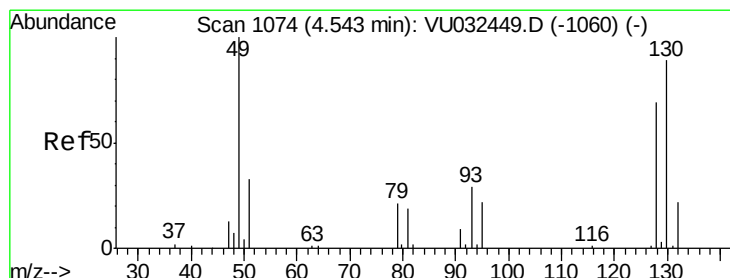
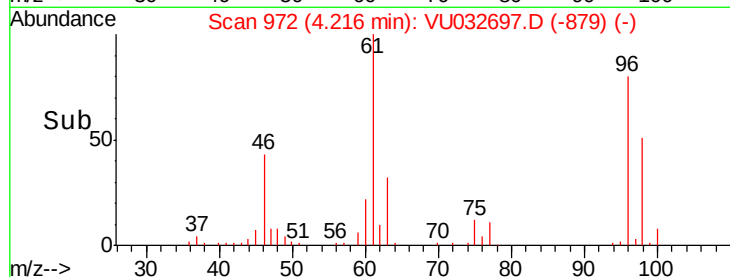
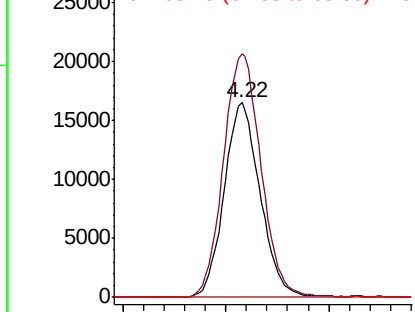
cis-1,2-Dichloroethene
 Concen: 4.915 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00523

Tgt Ion: 96 Resp: 40074
 Ion Ratio Lower Upper
 96 100
 61 125.1 86.6 160.8
 68 0.0 0.0 0.0



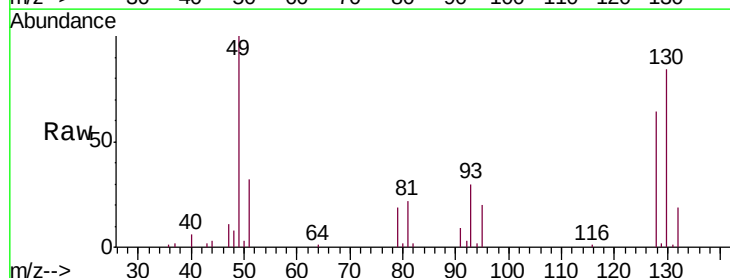
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



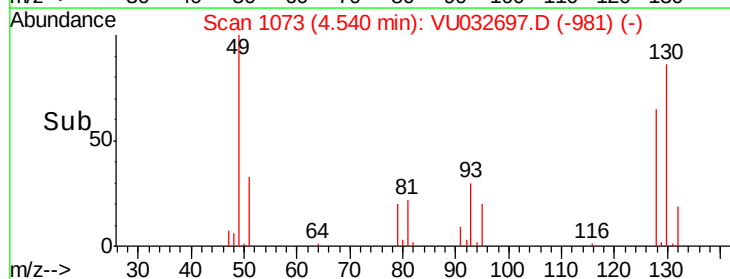
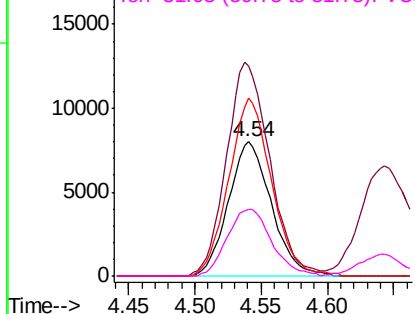
#23

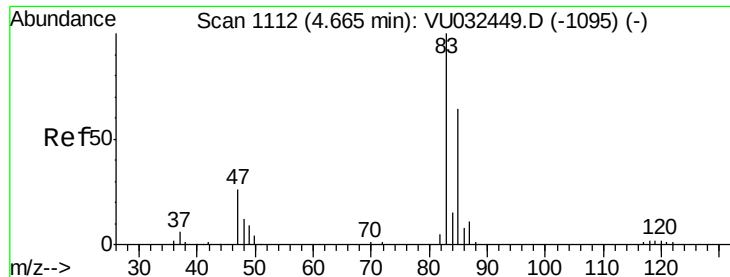
Bromochloromethane
 Concen: 5.133 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion: 128 Resp: 18016
 Ion Ratio Lower Upper
 128 100
 49 156.9 107.8 200.2
 130 132.4 89.3 165.9
 51 50.0 38.2 57.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

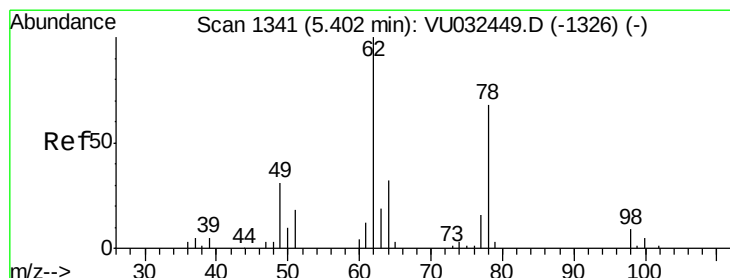
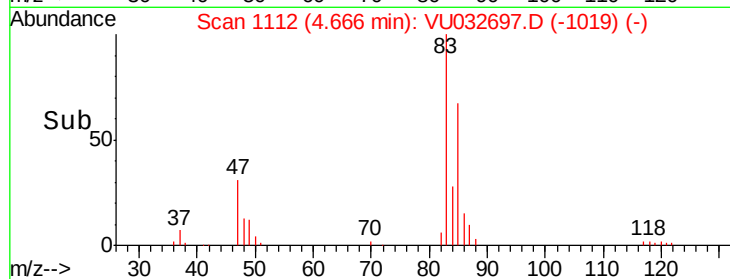
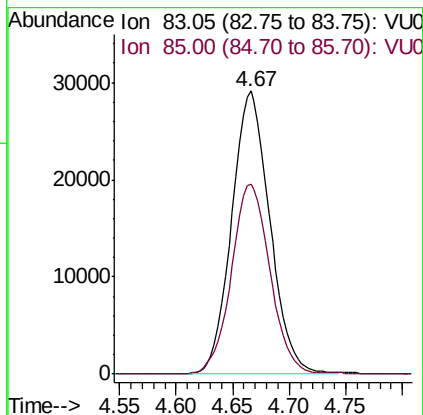
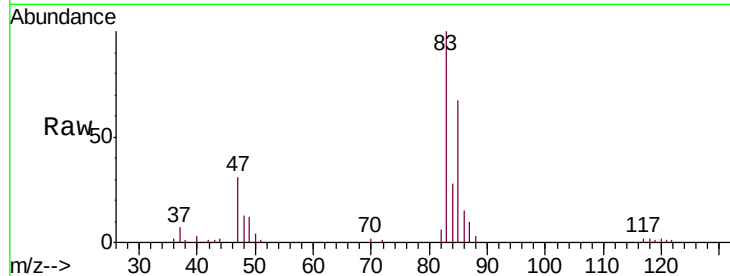




#25
Chloroform
Concen: 5.193 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

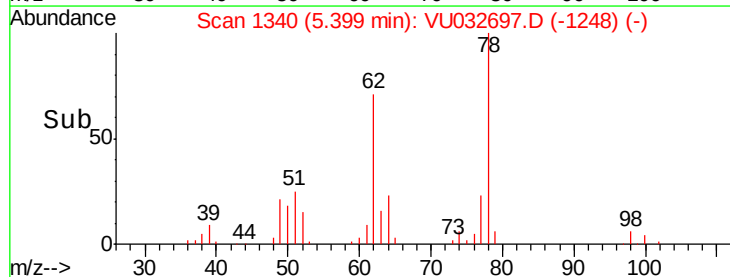
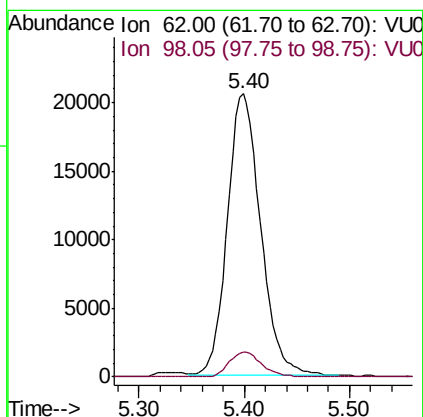
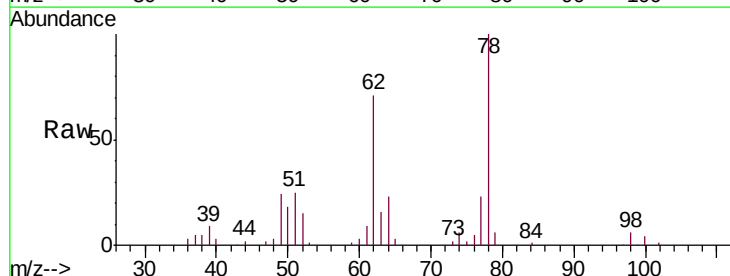
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

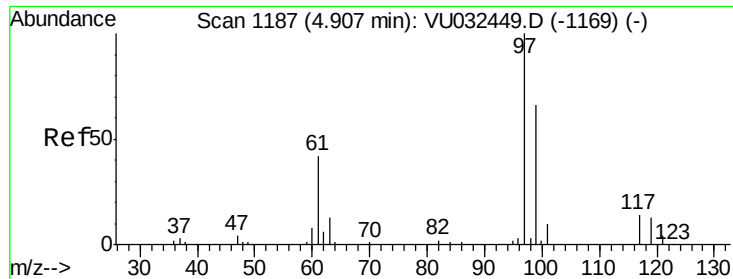
Tgt Ion: 83 Resp: 68413
Ion Ratio Lower Upper
83 100
85 67.1 43.8 81.3



#27
1,2-Dichloroethane
Concen: 5.157 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

Tgt Ion: 62 Resp: 44657
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6

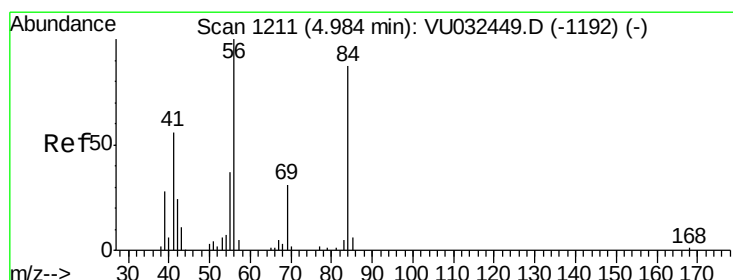
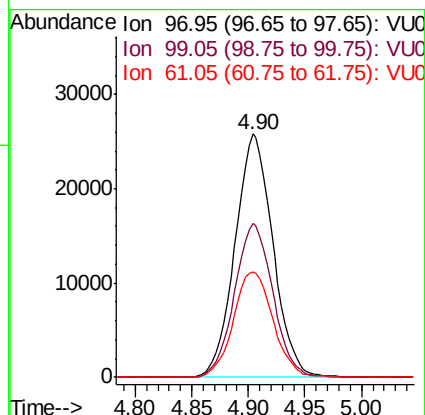
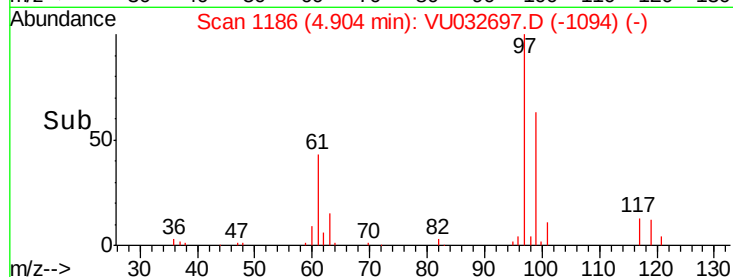
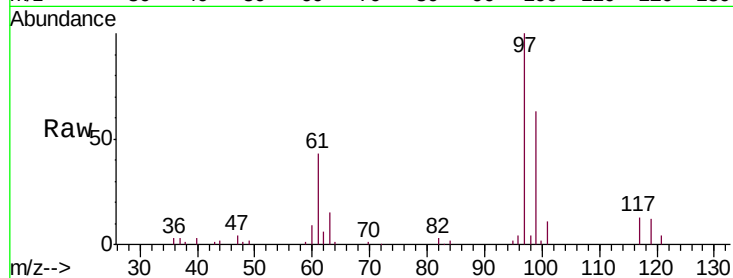




#29
 1,1,1-Trichloroethane
 Concen: 4.869 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

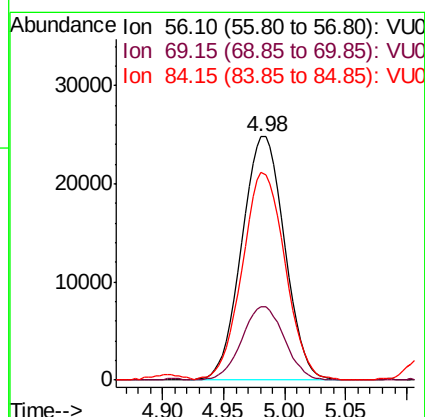
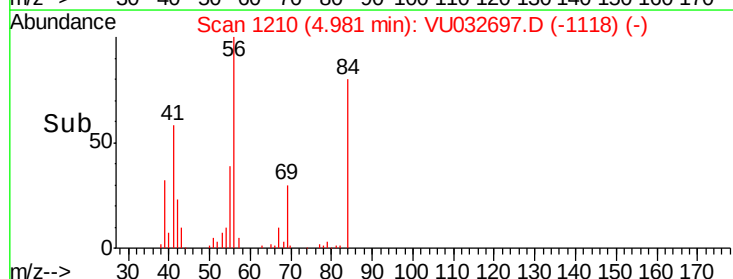
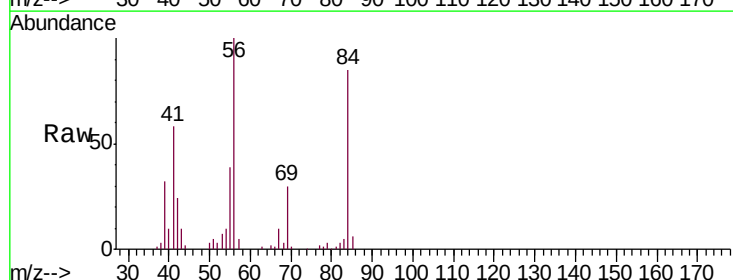
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

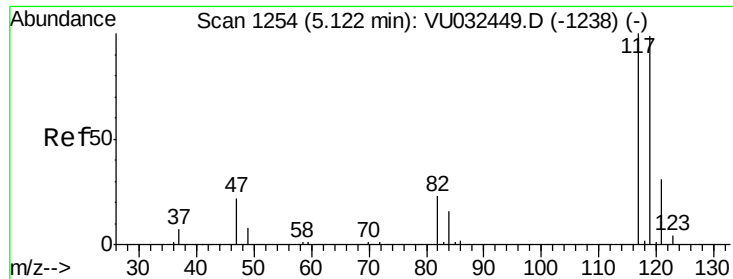
Tgt Ion: 97 Resp: 60124
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.8 77.6
 61 45.3 34.7 52.1



#30
 Cyclohexane
 Concen: 4.631 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion: 56 Resp: 60443
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.9 37.3
 84 85.3 70.2 105.2





#31

Carbon tetrachloride

Concen: 4.820 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

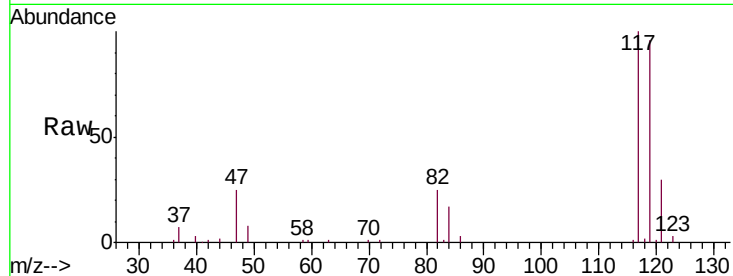
VSTD00523

Tgt Ion:117 Resp: 54115

Ion Ratio Lower Upper

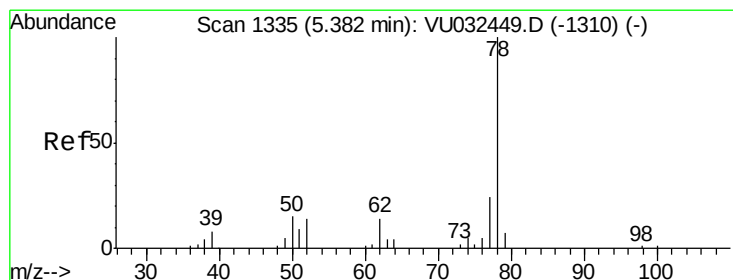
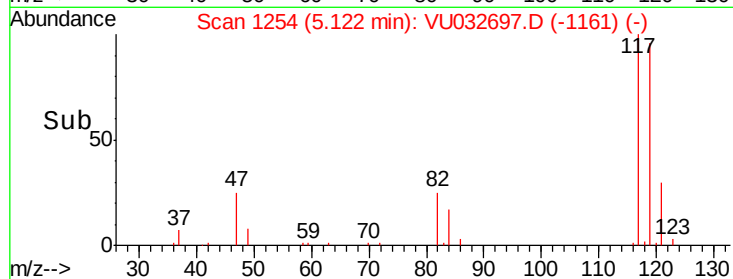
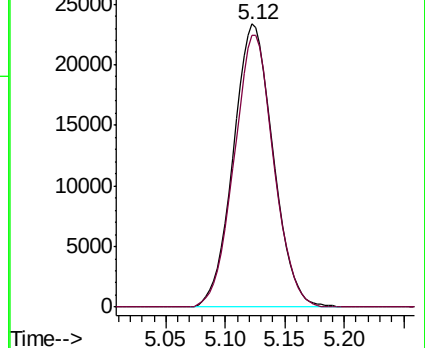
117 100

119 95.6 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.866 ug/L

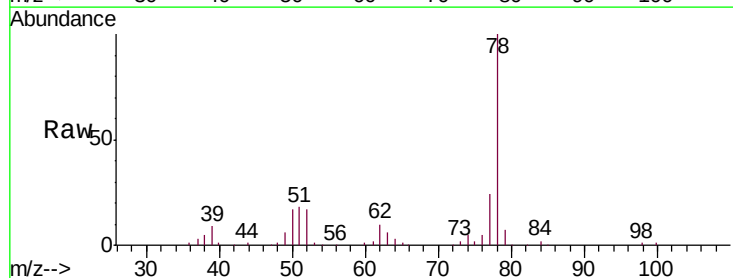
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

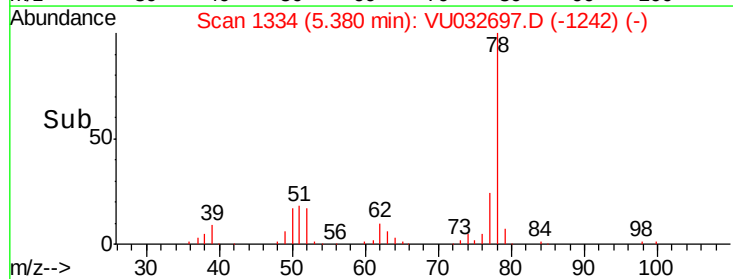
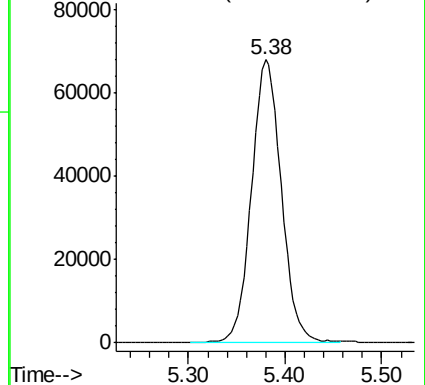
Lab File: VU032697.D

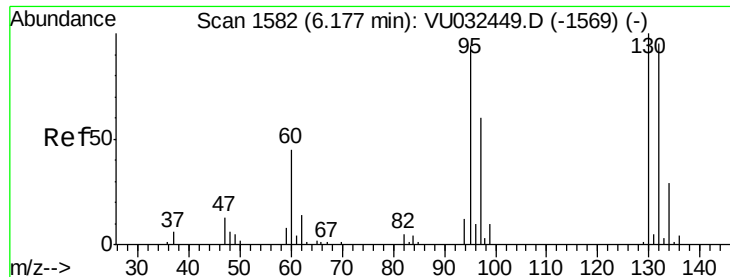
Acq: 13 Jun 2019 16:22

Tgt Ion: 78 Resp: 145369



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.754 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tgt Ion: 95 Resp: 40855

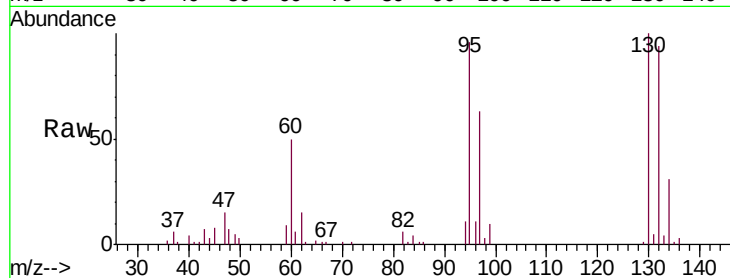
Ion Ratio Lower Upper

95 100

97 65.8 44.1 81.9

132 97.1 68.8 127.8

130 103.7 71.0 131.8

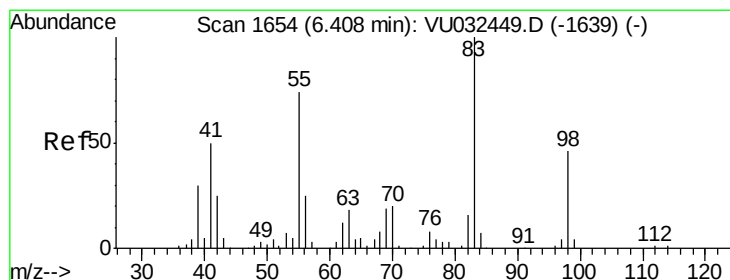
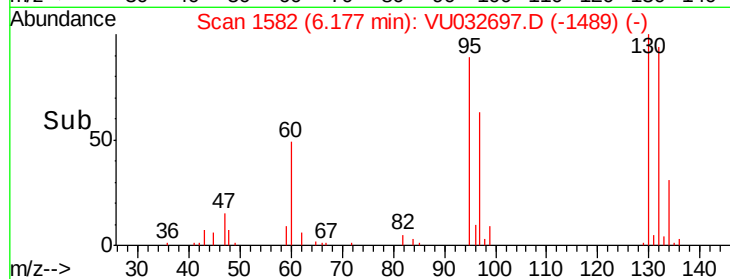
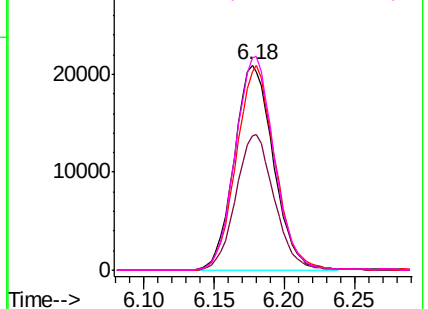


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.583 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

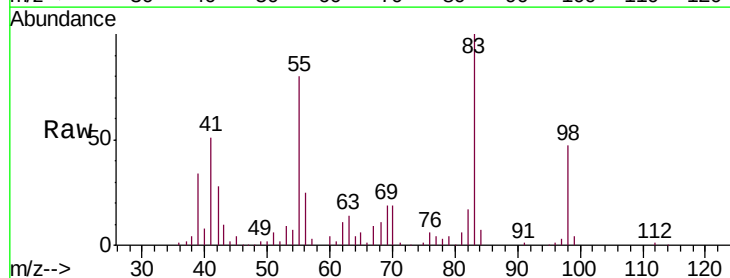
Tgt Ion: 83 Resp: 63342

Ion Ratio Lower Upper

83 100

55 78.9 60.0 90.0

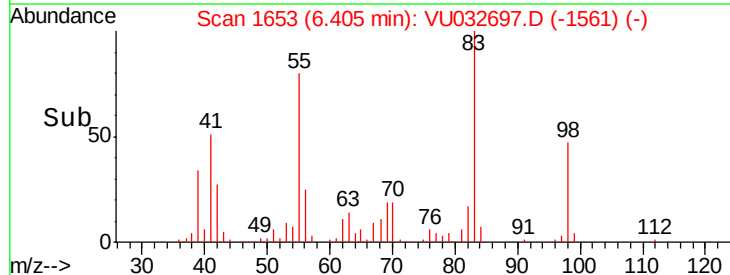
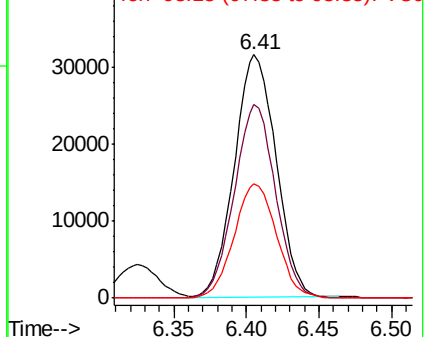
98 47.7 37.8 56.8

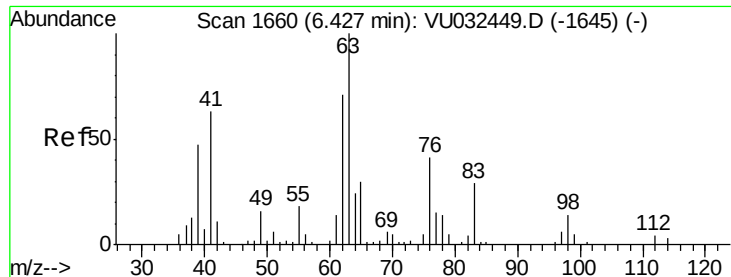


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

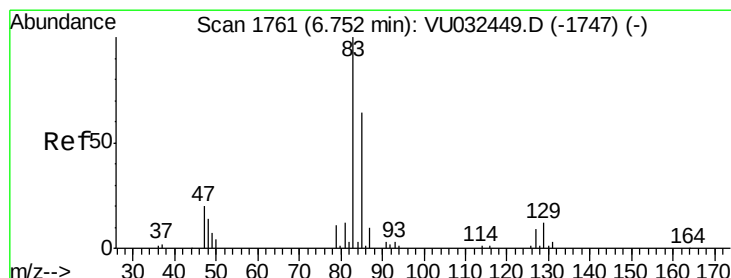
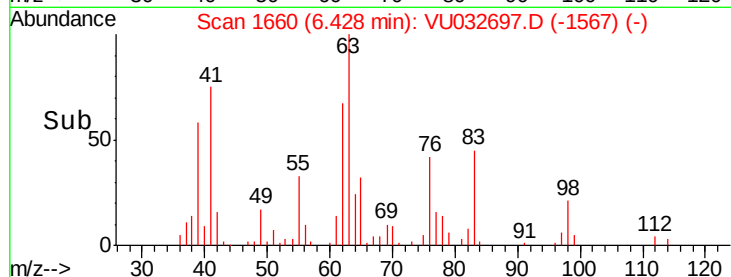
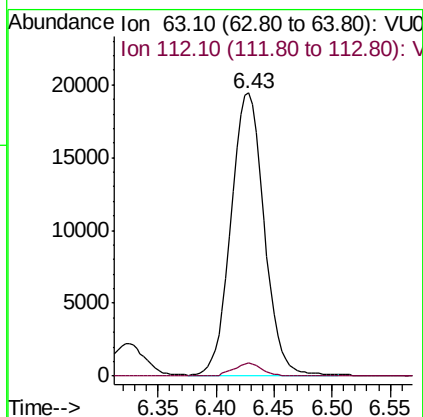
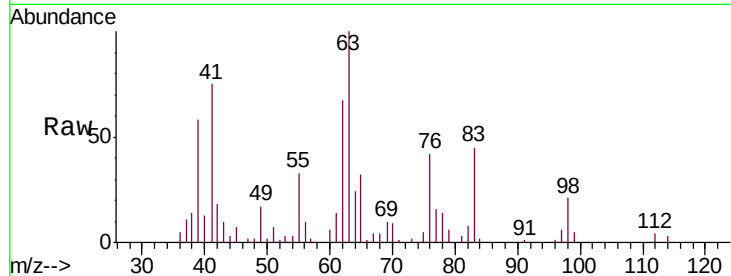




#37
 1,2-Dichloropropane
 Concen: 5.016 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

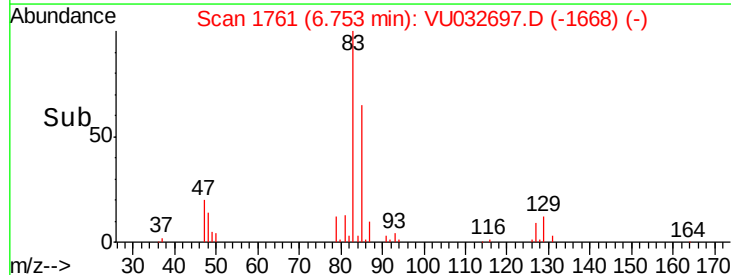
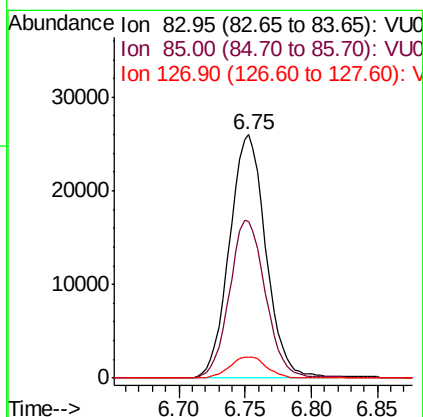
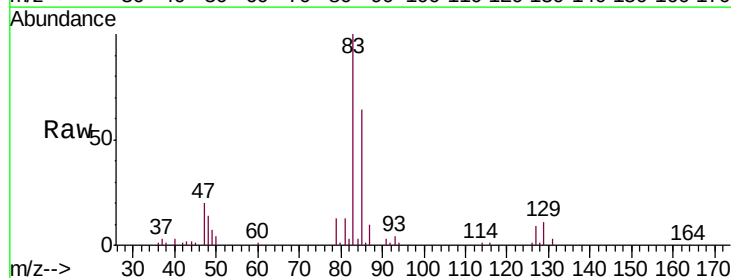
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00523

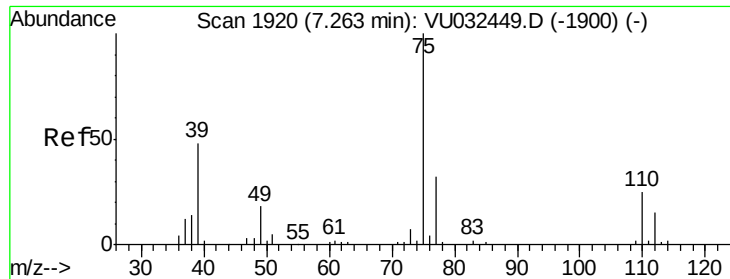
Tgt Ion: 63 Resp: 38773
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.991 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion: 83 Resp: 49592
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.2 84.0
 127 8.6 7.4 11.2

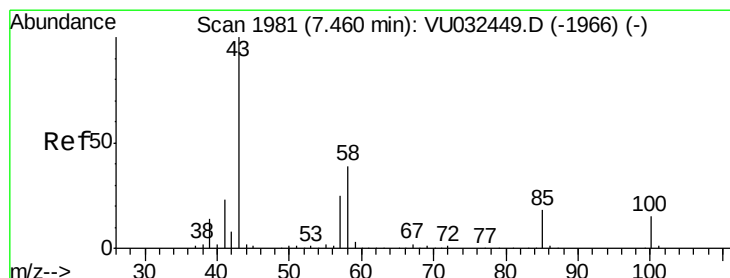
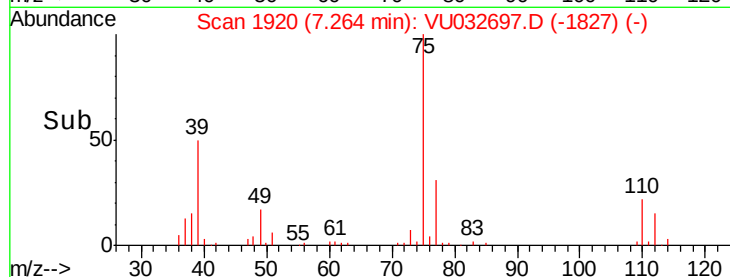
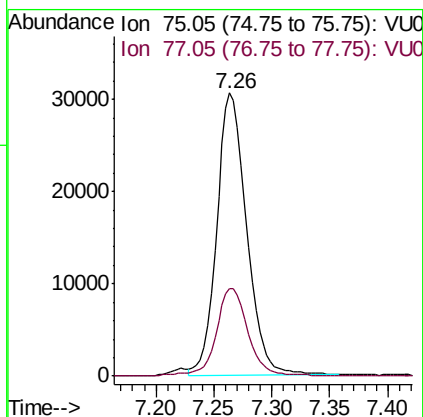
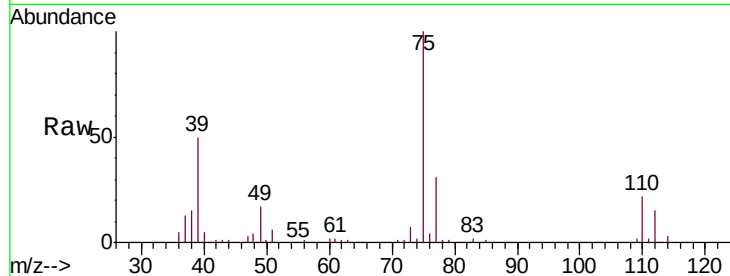




#39
 cis-1,3-Dichloropropene
 Concen: 4.629 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

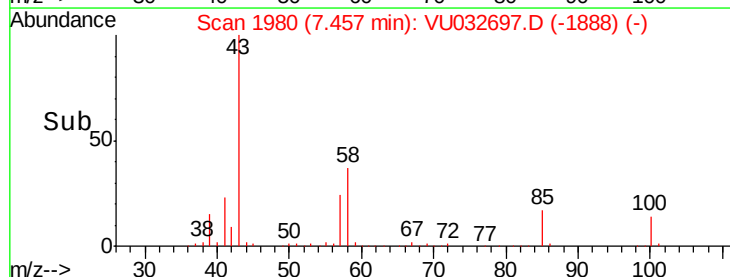
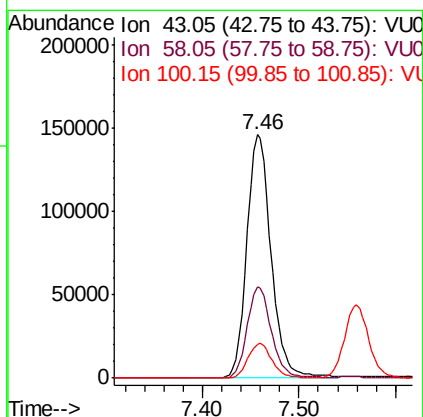
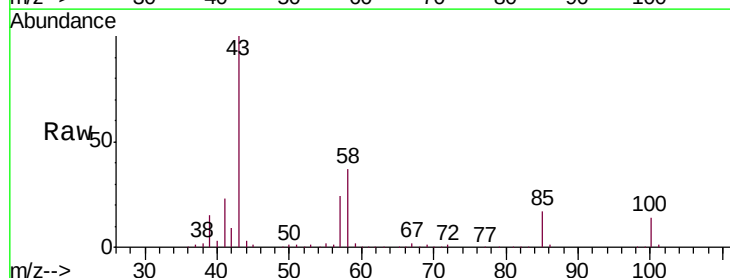
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

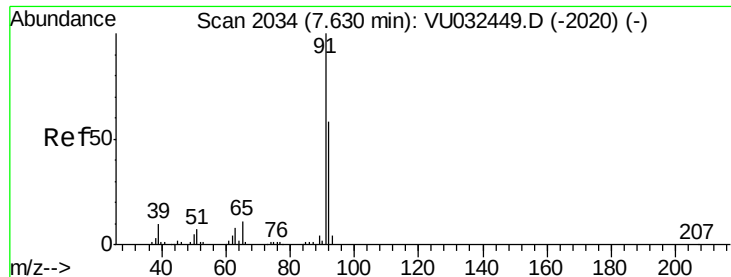
Tgt Ion: 75 Resp: 54936
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 46.288 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion: 43 Resp: 254631
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.9 46.3
 100 14.3 11.9 17.9





#42

Toluene

Concen: 4.784 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

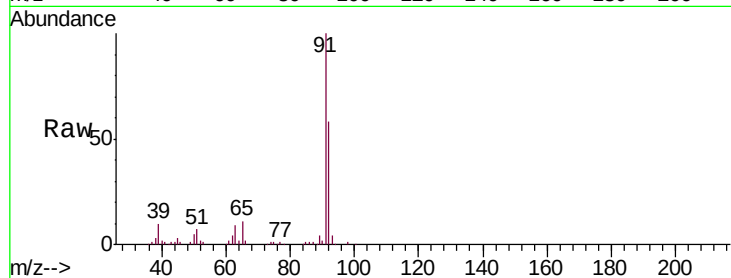
VSTD00523

Tgt Ion: 91 Resp: 159310

Ion Ratio Lower Upper

91 100

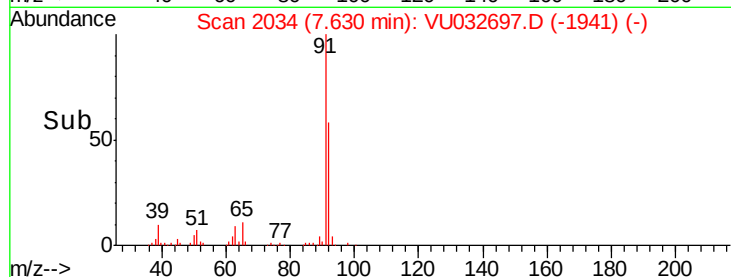
92 57.8 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032449.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032449.D (-2020) (-)

7.63



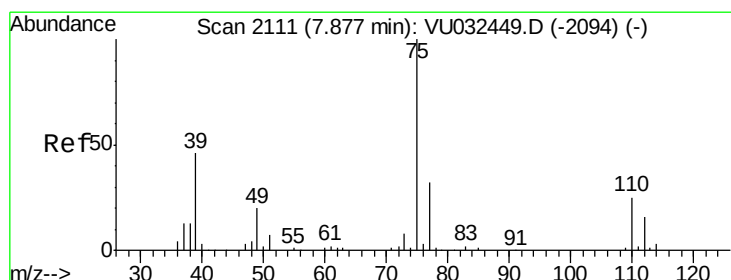
Abundance

Ion 91.15 (90.85 to 91.85): VU032697.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU032697.D (-1941) (-)

7.63

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.615 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032697.D

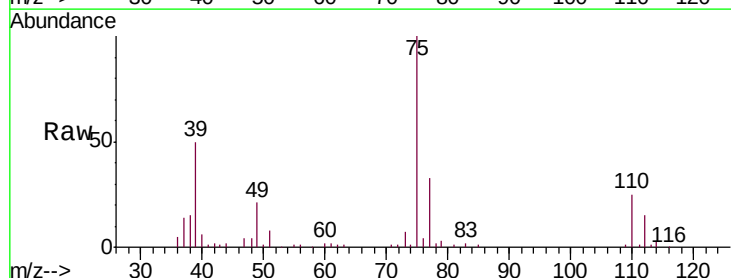
Acq: 13 Jun 2019 16:22

Tgt Ion: 75 Resp: 43732

Ion Ratio Lower Upper

75 100

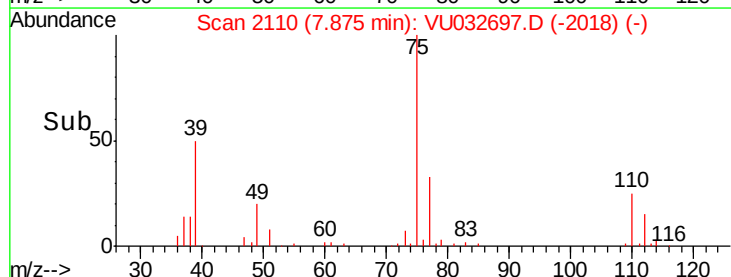
77 32.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032449.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032449.D (-2094) (-)

7.87



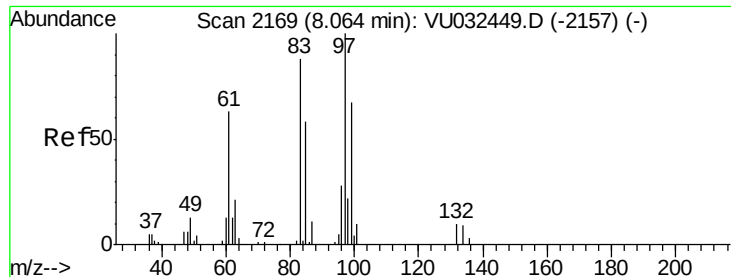
Abundance

Ion 75.05 (74.75 to 75.75): VU032697.D (-2018) (-)

Ion 77.05 (76.75 to 77.75): VU032697.D (-2018) (-)

7.87

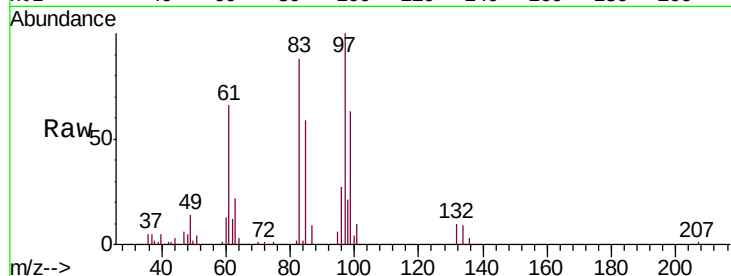
Time-->



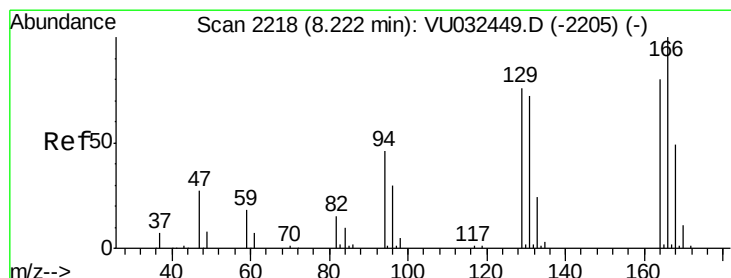
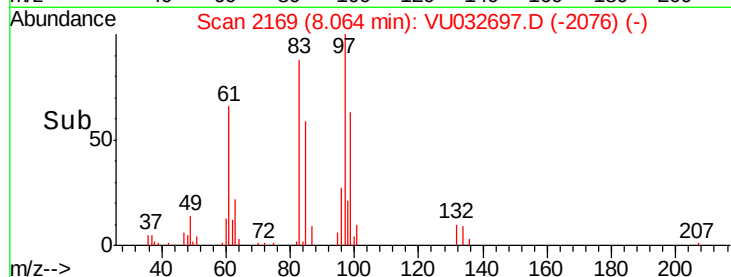
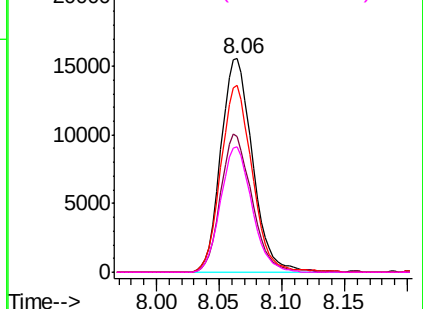
#45
 1,1,2-Trichloroethane
 Concen: 4.858 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tgt Ion: 97 Resp: 27324
 Ion Ratio Lower Upper
 97 100
 99 63.4 44.9 83.3
 83 87.8 58.7 108.9
 85 58.7 37.9 70.5

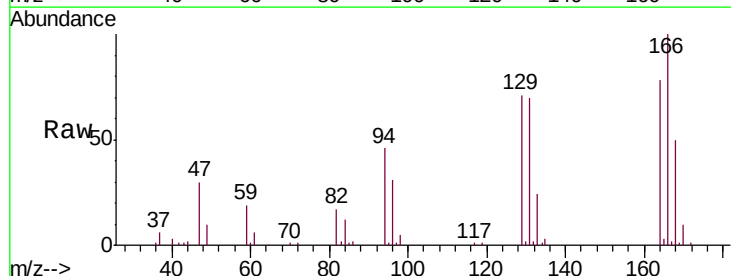


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

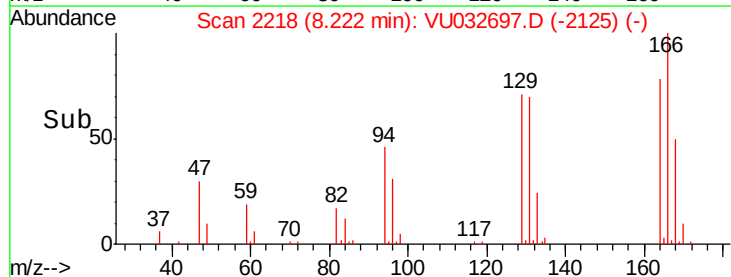
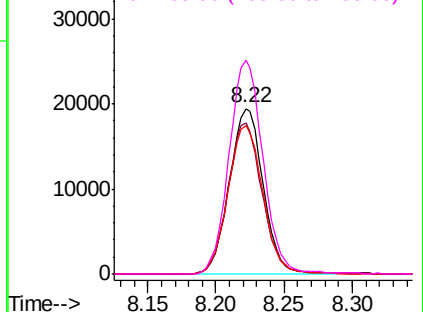


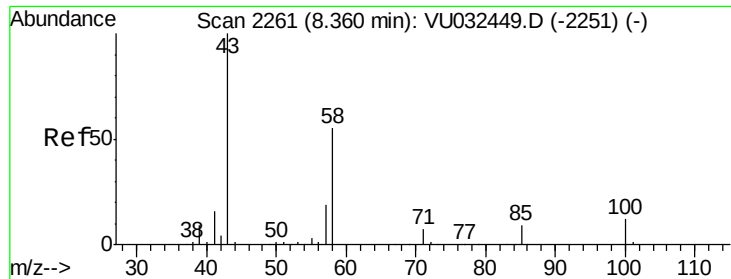
#47
 Tetrachloroethene
 Concen: 4.968 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion: 164 Resp: 33595
 Ion Ratio Lower Upper
 164 100
 129 91.3 66.1 122.7
 131 89.8 65.6 121.8
 166 129.0 93.2 173.2



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

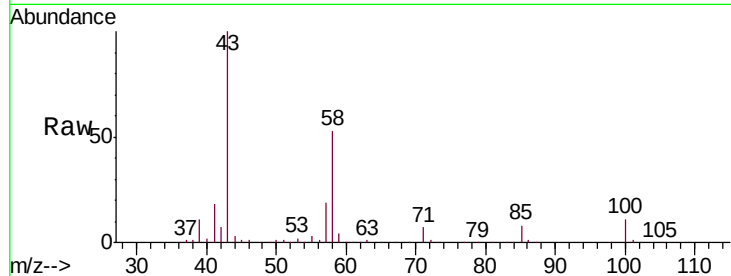




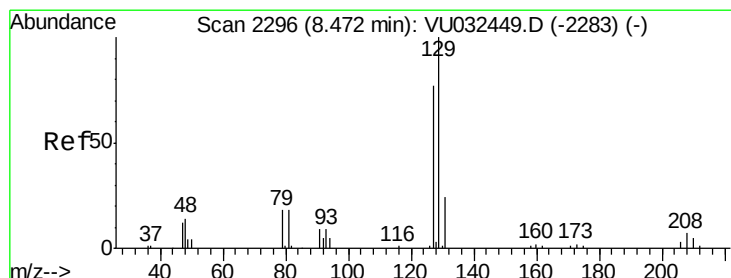
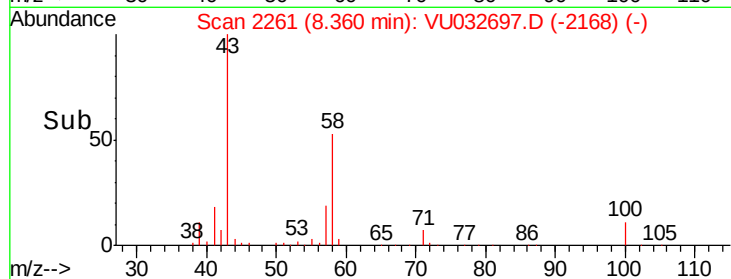
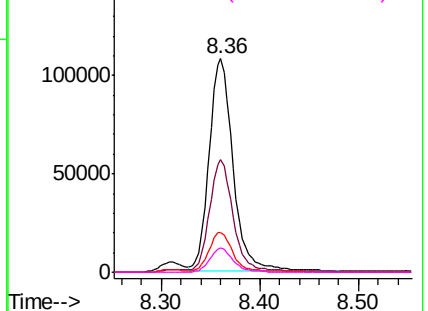
#48
2-Hexanone
Concen: 46.577 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tgt Ion: 43 Resp: 183101
Ion Ratio Lower Upper
43 100
58 51.6 41.9 62.9
57 18.5 15.1 22.7
100 11.1 9.0 13.6

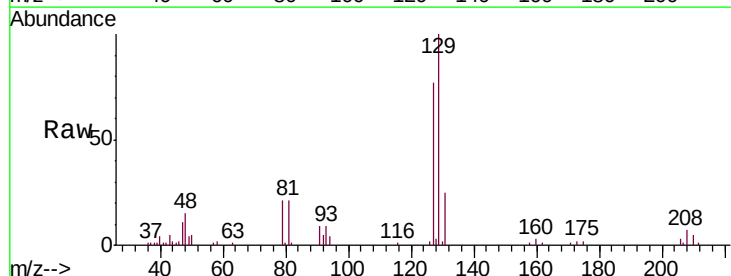


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

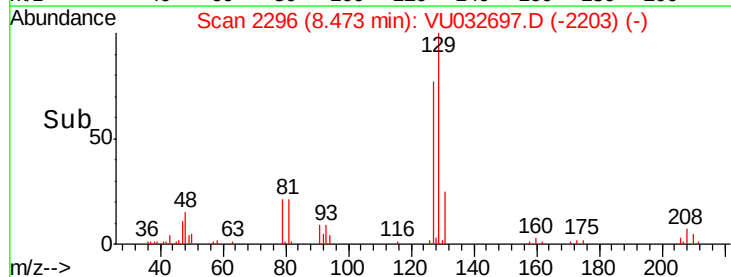
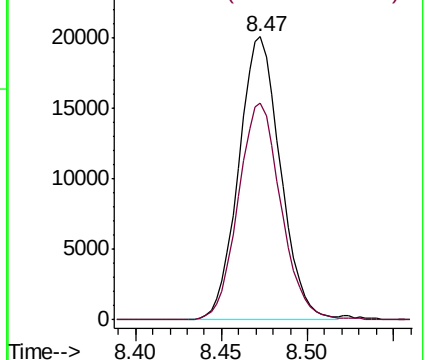


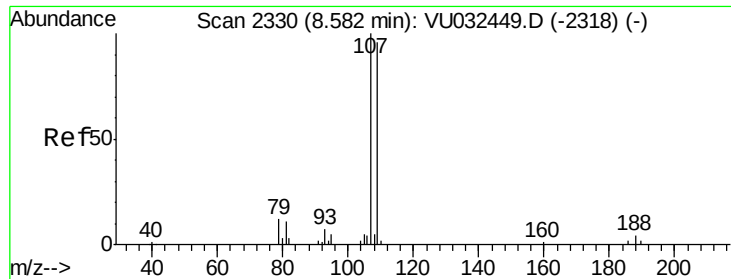
#49
Dibromochloromethane
Concen: 4.701 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

Tgt Ion: 129 Resp: 33816
Ion Ratio Lower Upper
129 100
127 76.8 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.617 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

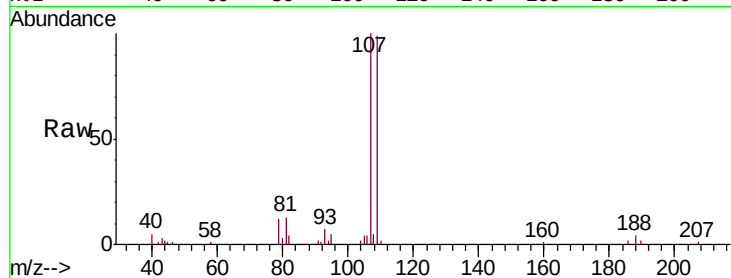
Tgt Ion:107 Resp: 25876

Ion Ratio Lower Upper

107 100

109 98.5 65.2 121.0

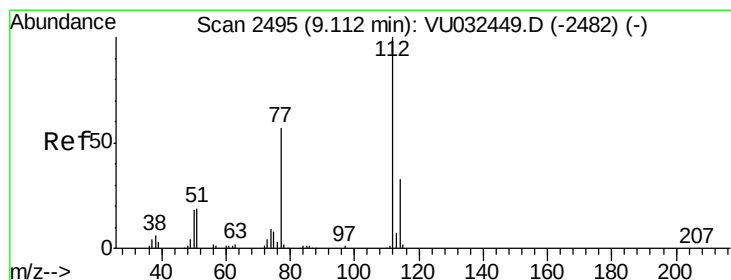
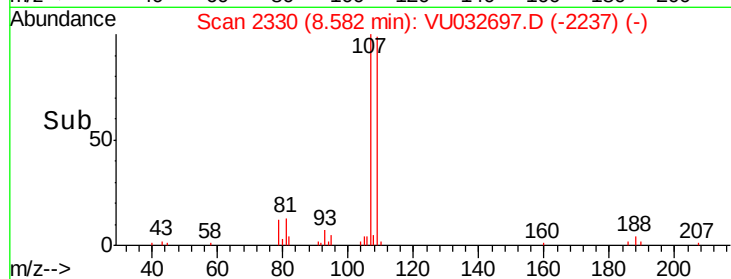
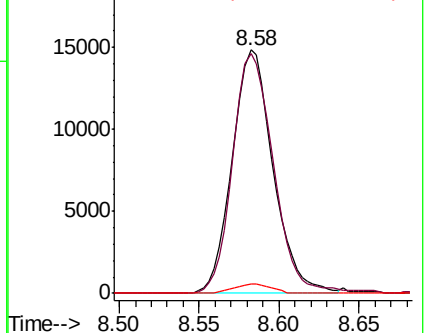
188 3.6 3.1 4.7



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.866 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

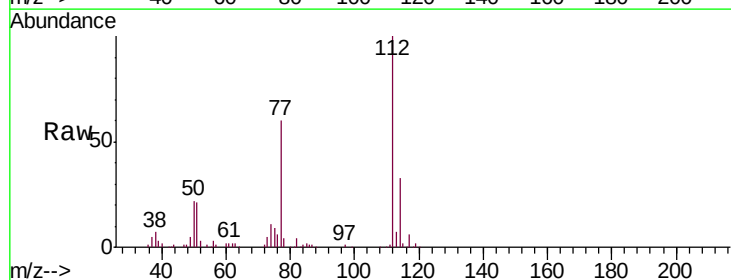
Tgt Ion:112 Resp: 101591

Ion Ratio Lower Upper

112 100

114 33.0 22.4 41.6

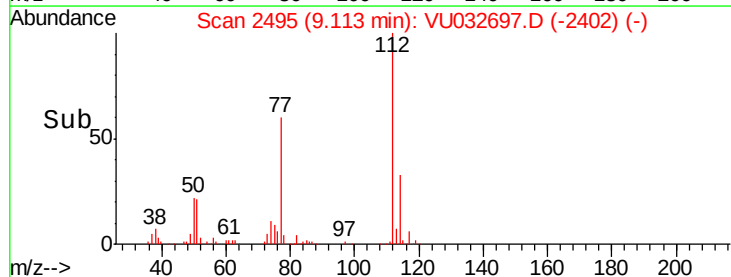
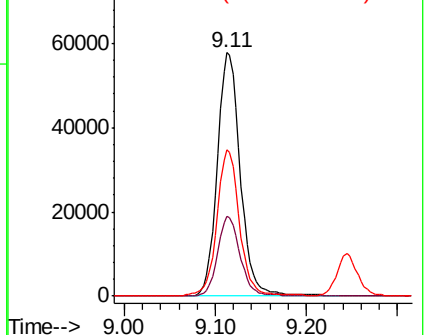
77 60.0 46.5 69.7

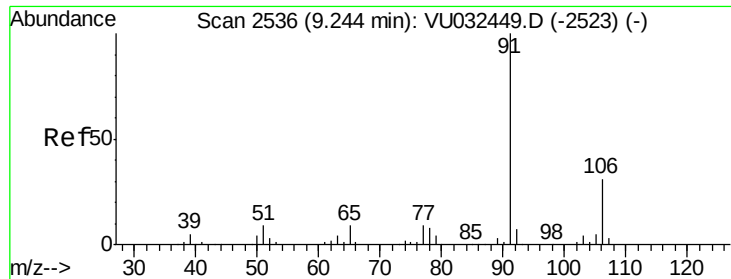


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.707 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

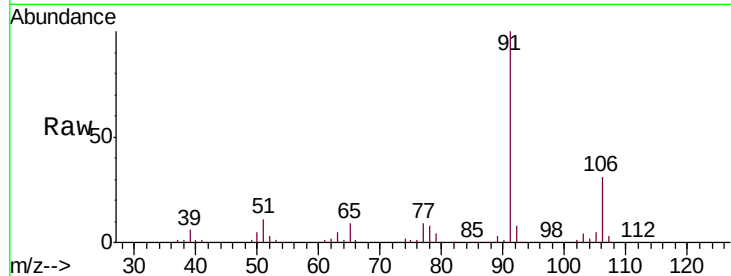
VSTD00523

Tgt Ion: 91 Resp: 172715

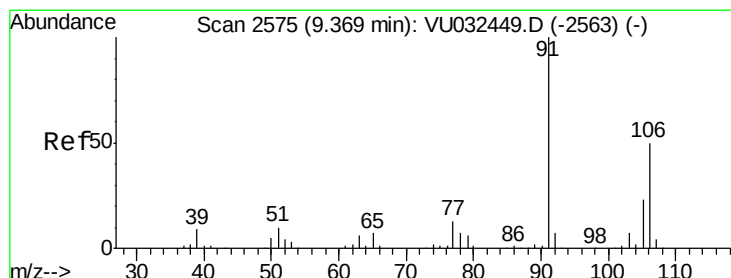
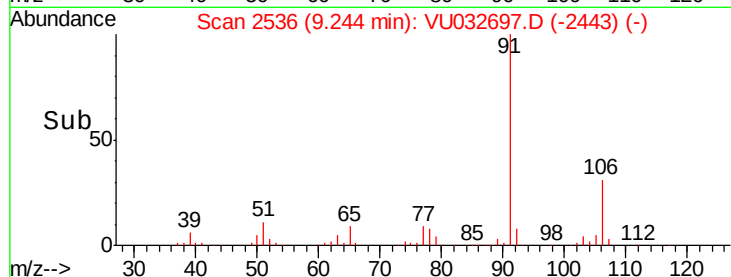
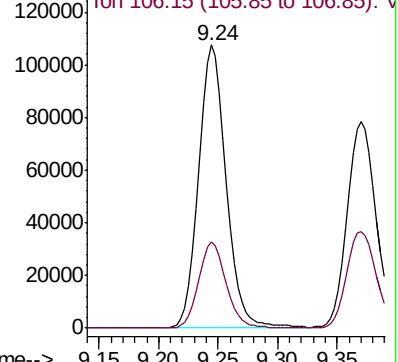
Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032449.D (-2523) (-)



#53

m,p-Xylene

Concen: 4.700 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032697.D

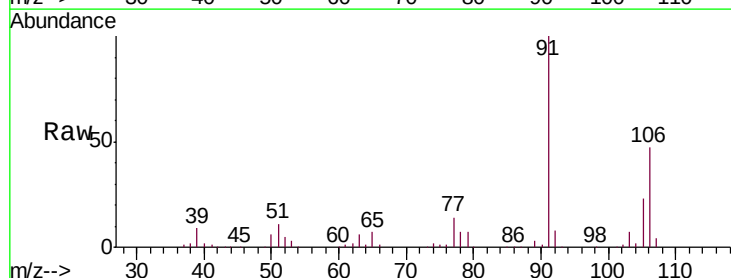
Acq: 13 Jun 2019 16:22

Tgt Ion: 106 Resp: 65391

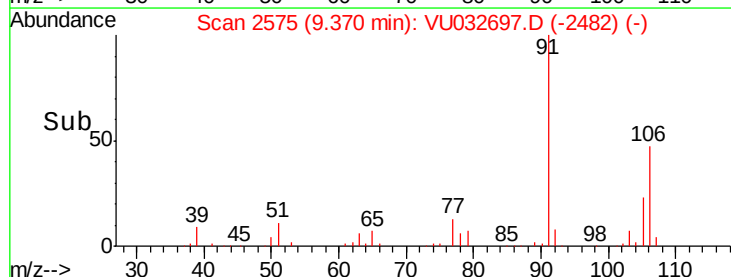
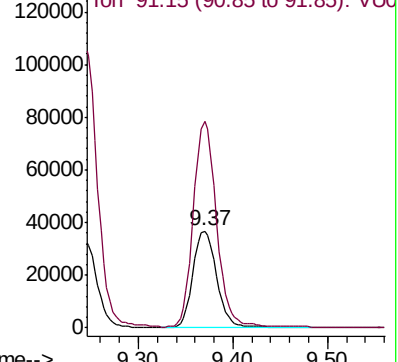
Ion Ratio Lower Upper

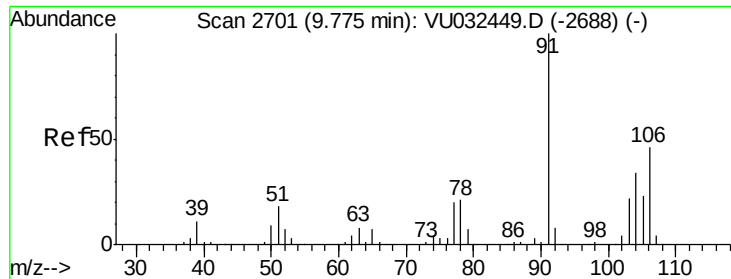
106 100

91 213.3 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032449.D (-2563) (-)

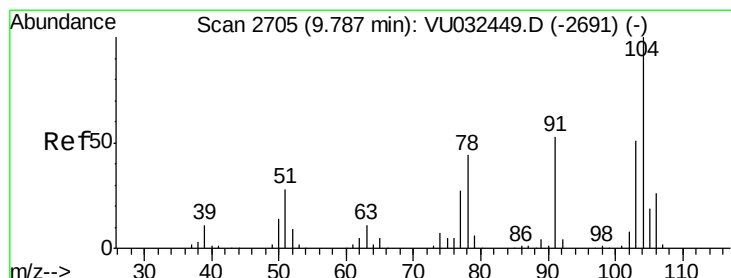
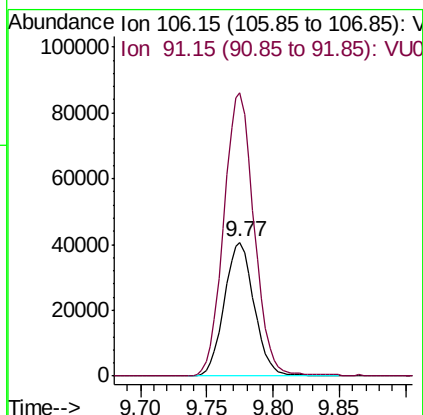
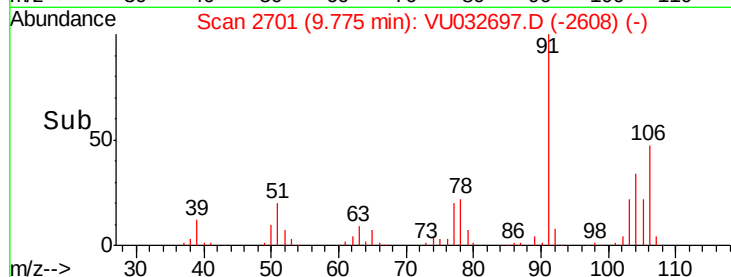
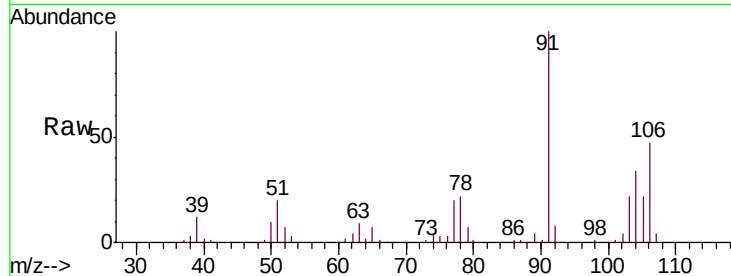




#54
o-Xylene
Concen: 4.617 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

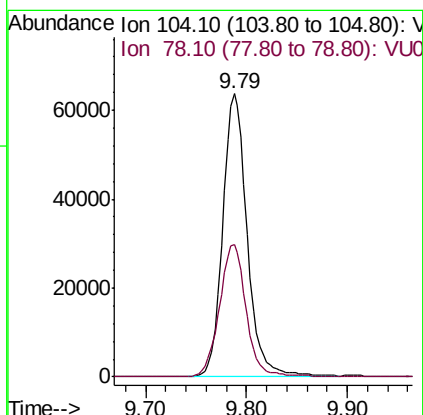
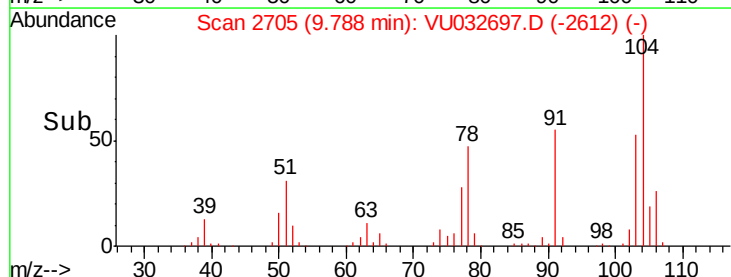
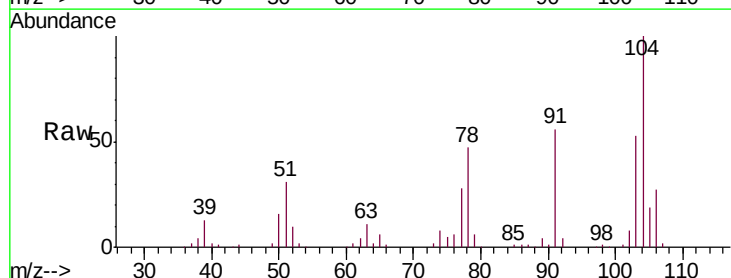
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

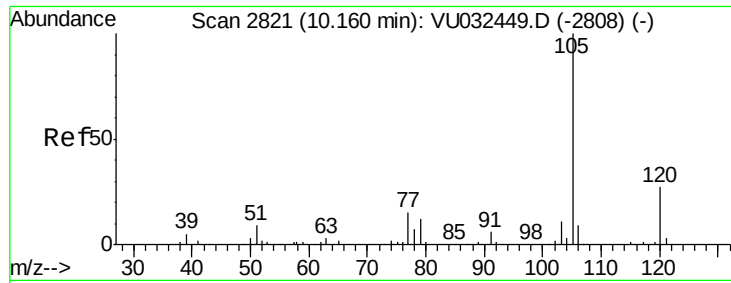
Tgt Ion:106 Resp: 64109
Ion Ratio Lower Upper
106 100
91 211.7 148.8 276.4



#55
Styrene
Concen: 4.739 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032697.D
Acq: 13 Jun 2019 16:22

Tgt Ion:104 Resp: 108261
Ion Ratio Lower Upper
104 100
78 46.7 32.2 59.8





#56

Isopropylbenzene

Concen: 4.707 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

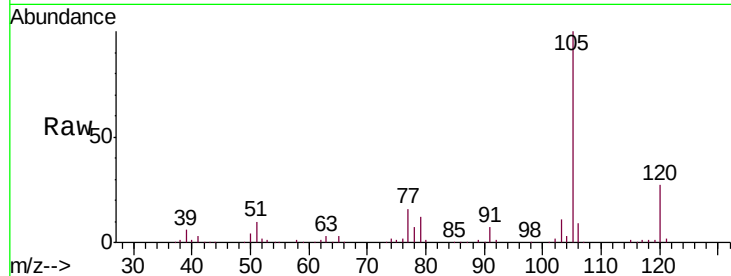
Tgt Ion: 105 Resp: 172396

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

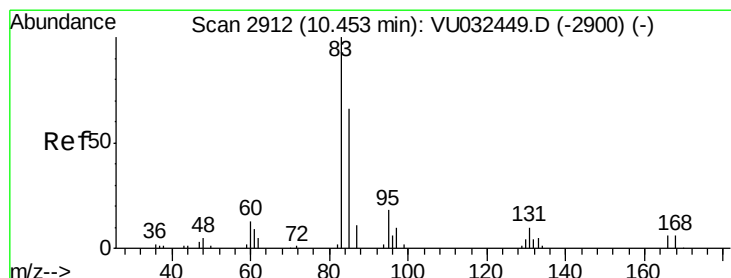
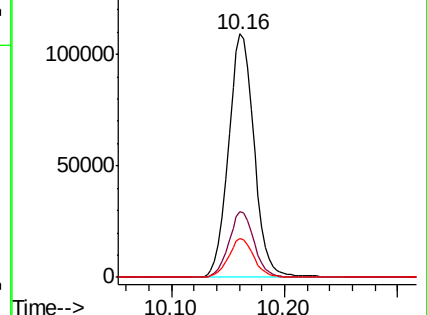
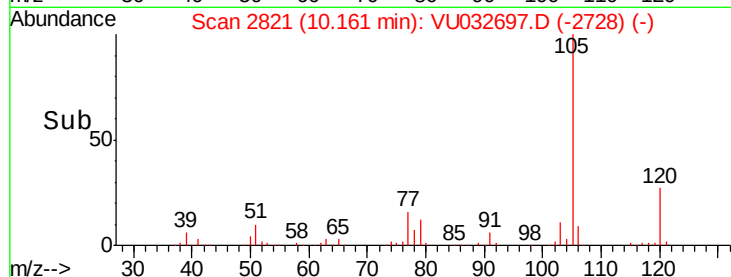
77 15.7 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.663 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

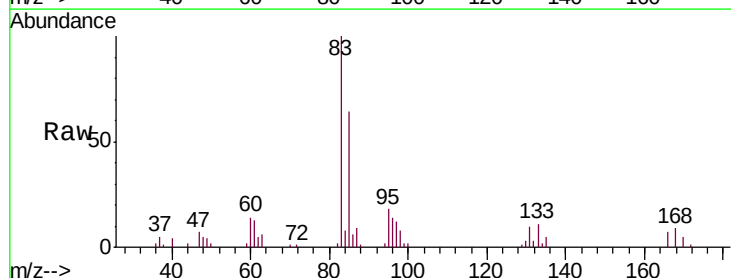
Tgt Ion: 83 Resp: 33543

Ion Ratio Lower Upper

83 100

85 64.0 45.7 84.9

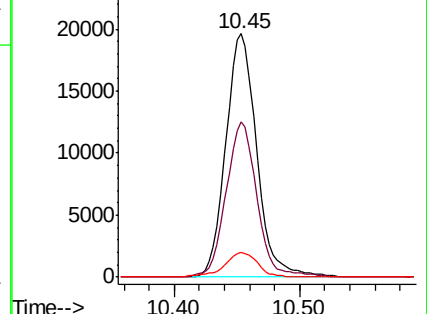
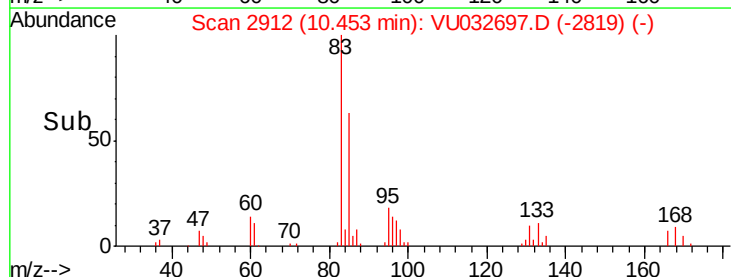
131 10.1 8.0 12.0

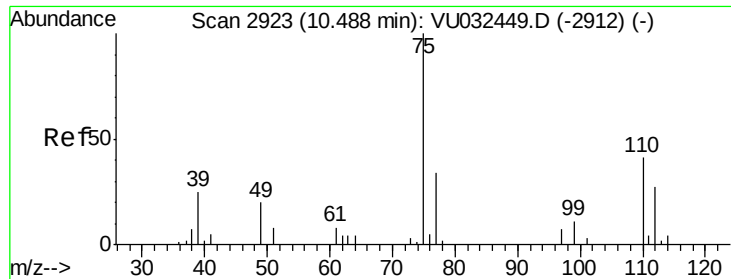


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

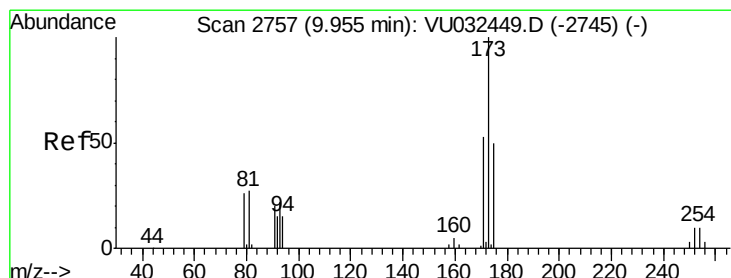
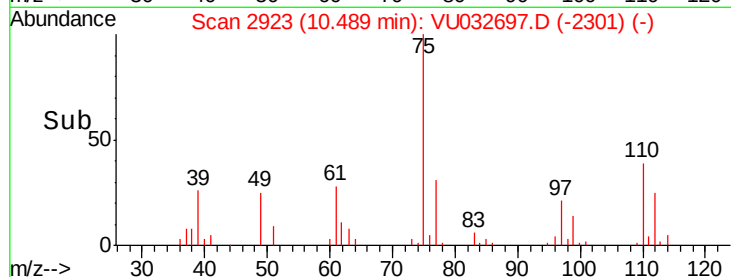
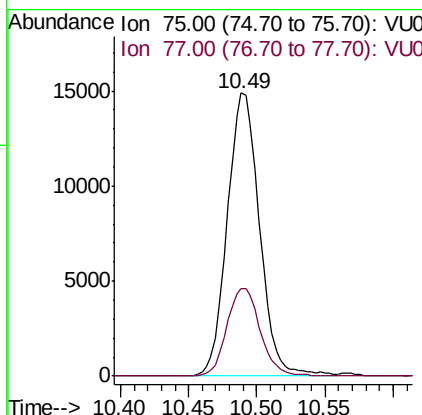
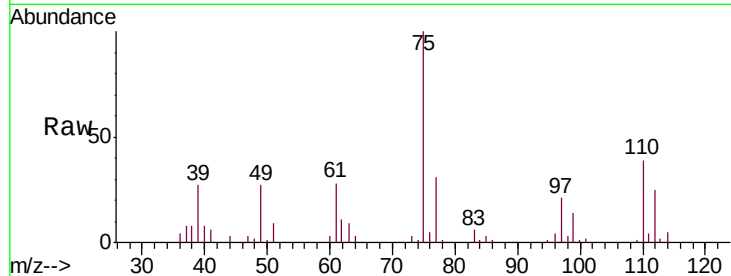




#59
 1,2,3-Trichloropropane
 Concen: 4.835 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

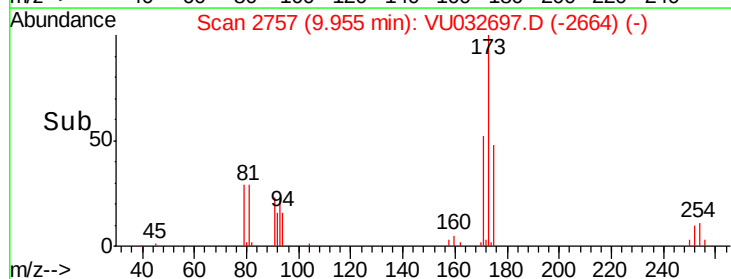
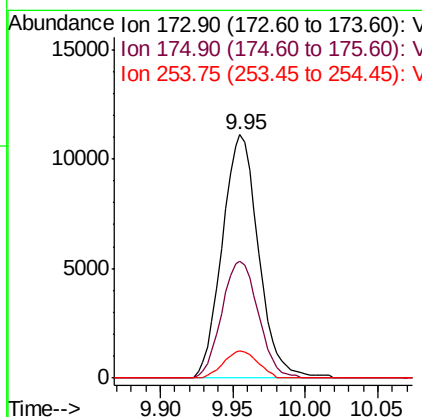
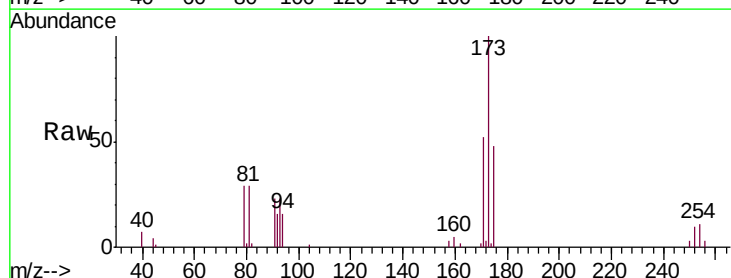
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

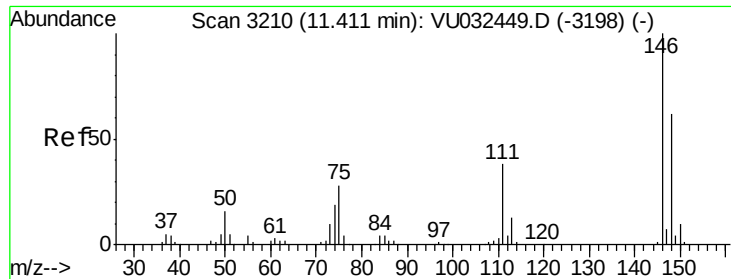
Tgt Ion: 75 Resp: 24545
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9



#61
 Bromoform
 Concen: 4.370 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion: 173 Resp: 19202
 Ion Ratio Lower Upper
 173 100
 175 48.5 37.9 56.9
 254 10.4 6.8 10.2#





#62

1,3-Dichlorobenzene

Concen: 4.638 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

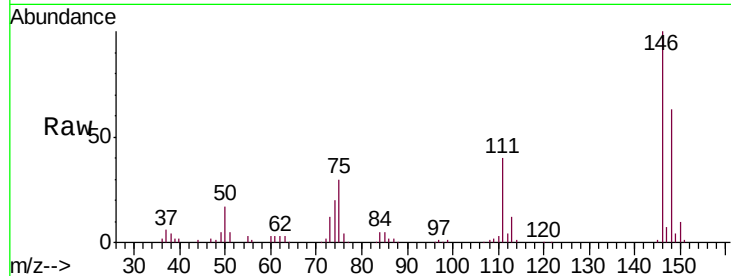
Tgt Ion:146 Resp: 82800

Ion Ratio Lower Upper

146 100

111 39.9 27.7 51.5

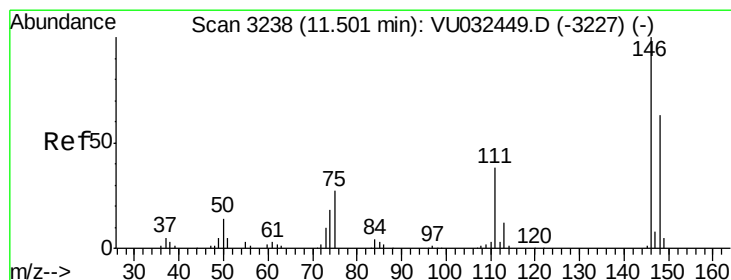
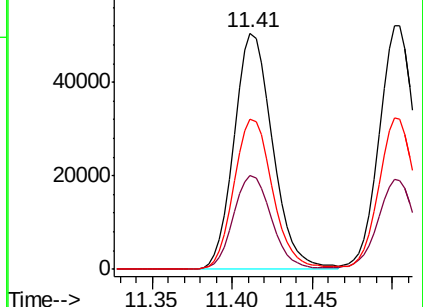
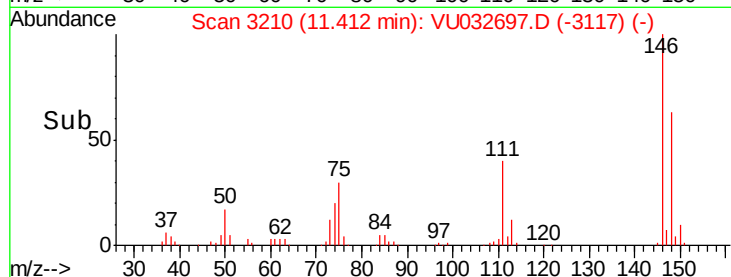
148 63.4 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.671 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

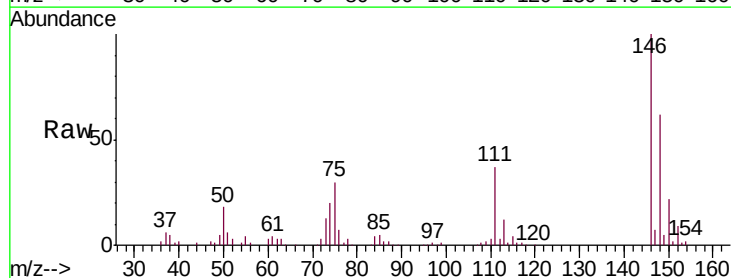
Tgt Ion:146 Resp: 84788

Ion Ratio Lower Upper

146 100

111 36.8 26.2 48.6

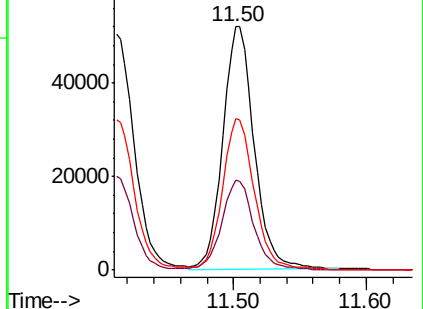
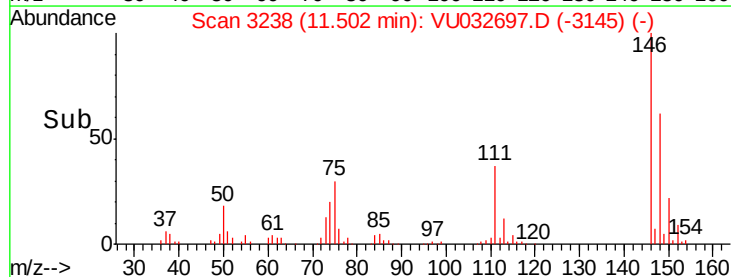
148 62.3 43.9 81.5

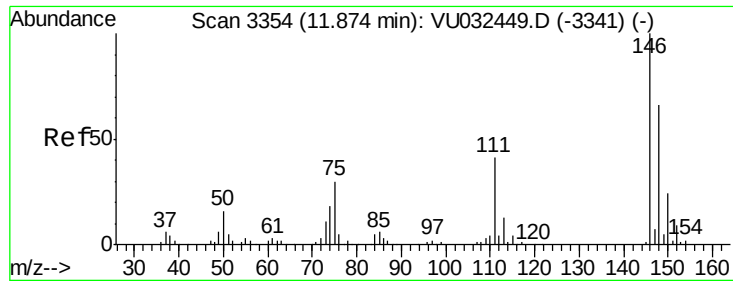


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

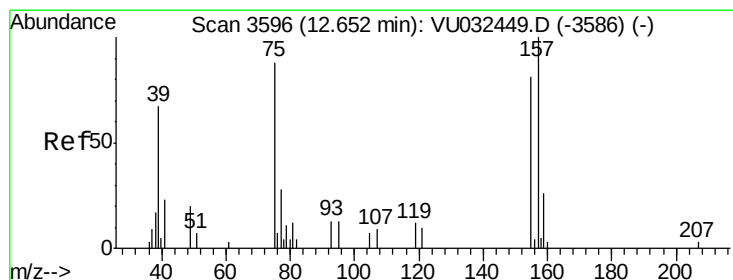
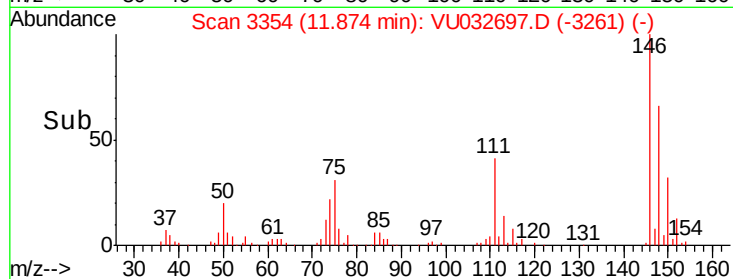
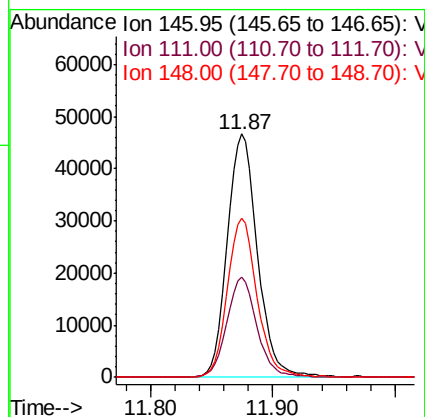
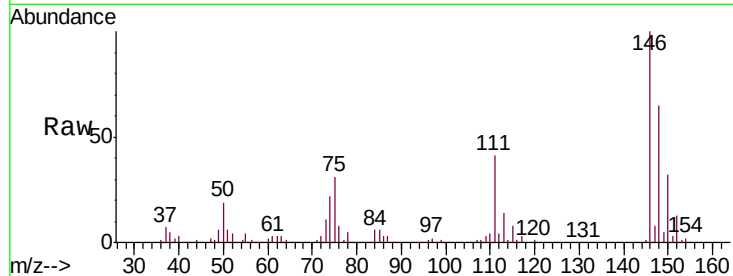




#65
 1,2-Dichlorobenzene
 Concen: 4.700 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

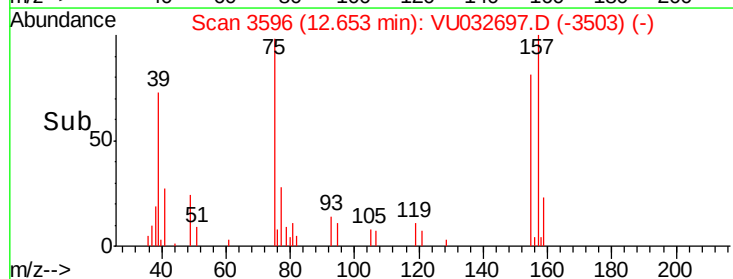
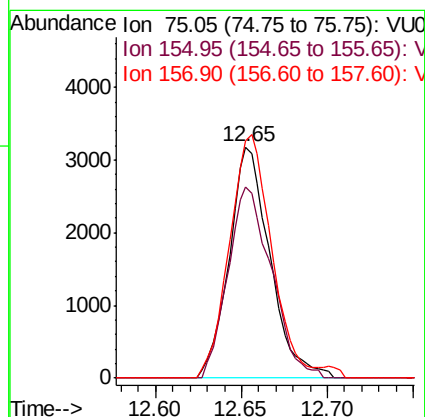
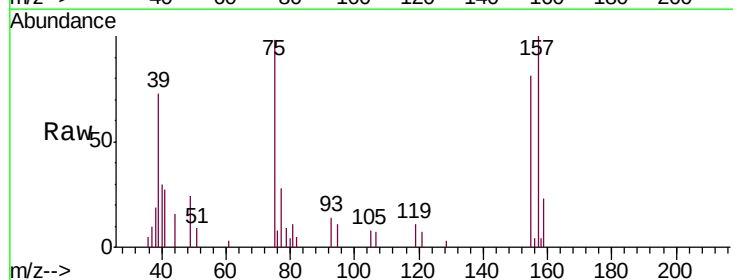
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

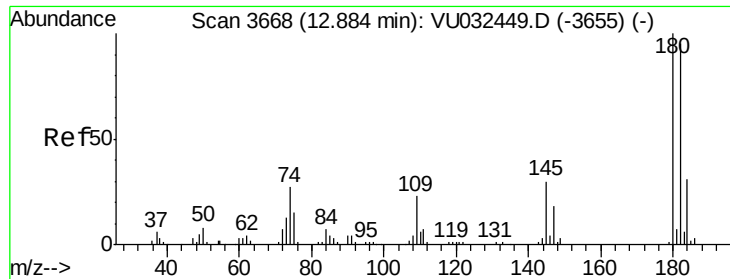
Tgt Ion: 146 Resp: 81085
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.0 49.4
 148 65.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.349 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion: 75 Resp: 5268
 Ion Ratio Lower Upper
 75 100
 155 82.8 72.3 108.5
 157 102.5 87.4 131.0

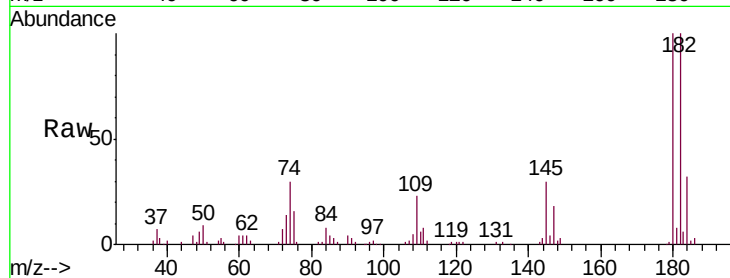




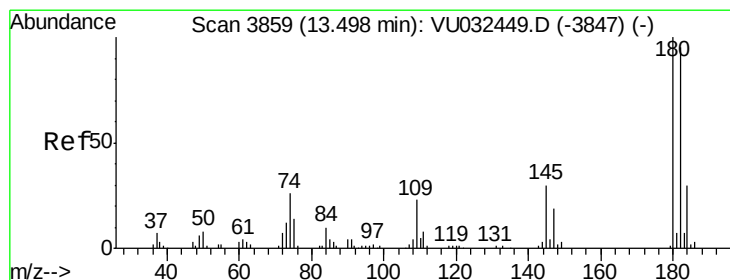
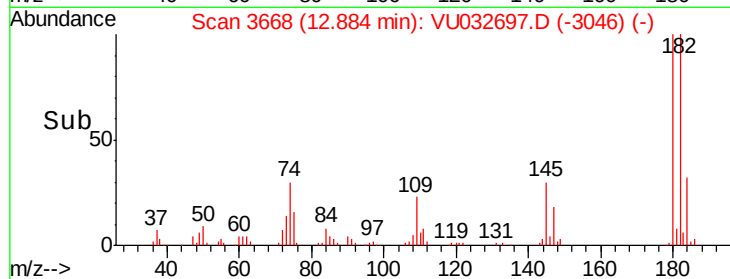
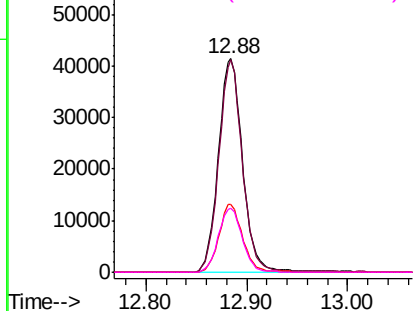
#67
 1,3,5-Trichlorobenzene
 Concen: 4.850 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tgt Ion:180 Resp: 69397
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.6 115.0
 184 30.7 24.2 36.4
 145 29.7 23.5 35.3

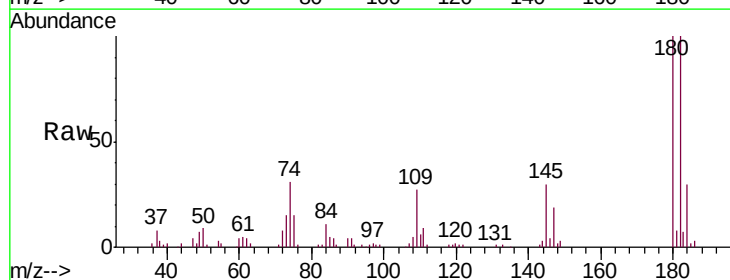


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

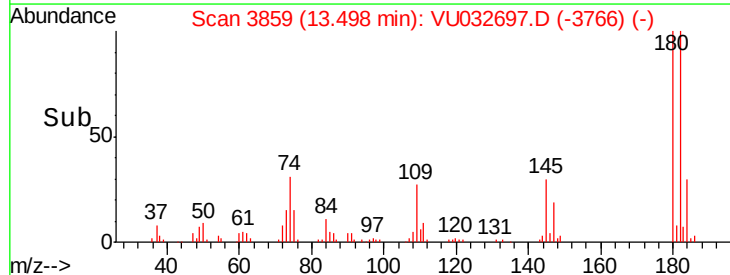
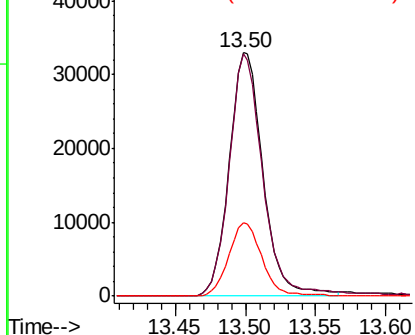


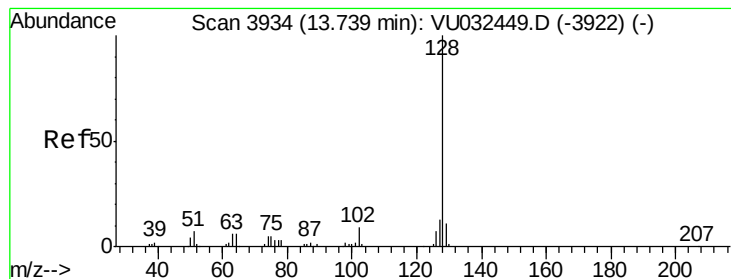
#68
 1,2,4-trichlorobenzene
 Concen: 4.800 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032697.D
 Acq: 13 Jun 2019 16:22

Tgt Ion:180 Resp: 55385
 Ion Ratio Lower Upper
 180 100
 182 98.7 74.8 112.2
 145 29.7 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.258 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

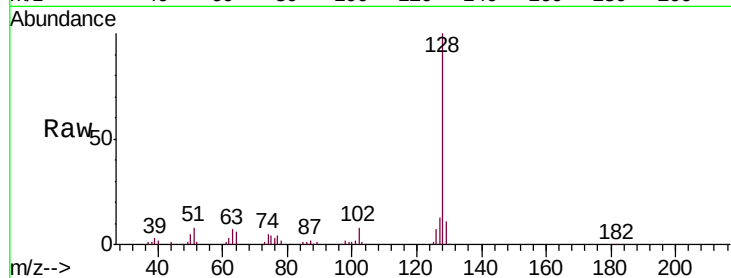
Tgt Ion:128 Resp: 86119

Ion Ratio Lower Upper

128 100

129 10.7 8.1 12.1

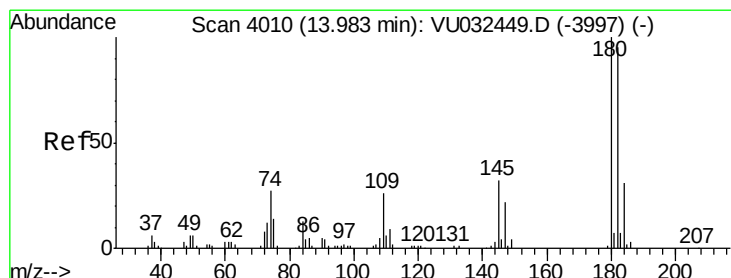
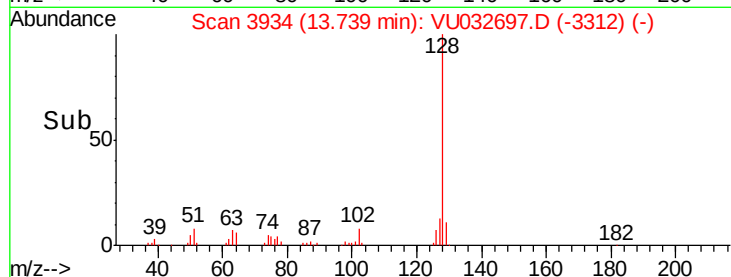
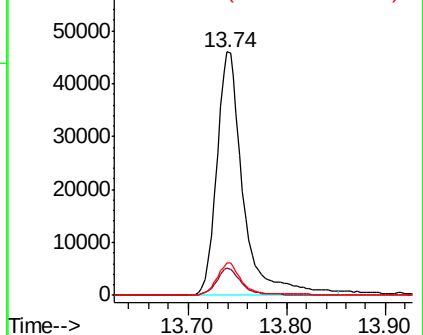
127 12.6 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.685 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032697.D

Acq: 13 Jun 2019 16:22

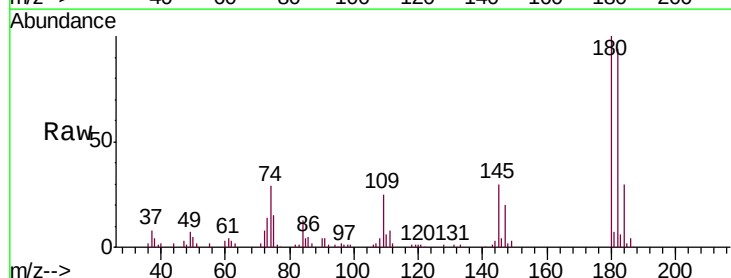
Tgt Ion:180 Resp: 53830

Ion Ratio Lower Upper

180 100

182 93.6 73.8 110.6

145 30.6 25.3 37.9



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

