

Data File : VU032769.D
Acq On : 15 Jun 2019 11:22
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Quant Time: Jun 17 01:31:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 17 01:26:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	95288	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	90717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	49203	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27170	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.67	69	23642	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.27	63	60433	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	4.18	46	96174	55.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.24%
24) Chloroform-d	4.64	84	60772	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.30	65	32944	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.33	84	110629	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.32	67	36700	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.56	98	105431	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.85	79	14182	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.31	63	76324	51.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33265	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	43519	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	43506	5.321 ug/L	99
3) Chloromethane	1.33	50	44513	5.249 ug/L	98
5) Vinyl chloride	1.40	62	43425	5.210 ug/L	99
6) Bromomethane	1.61	94	24614	4.841 ug/L	100
8) Chloroethane	1.69	64	25199	4.732 ug/L	100
9) Trichlorofluoromethane	1.88	101	62612	5.249 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	32176	5.074 ug/L	99
12) 1,1-Dichloroethene	2.28	96	29731	4.911 ug/L	93
13) Acetone	2.32	43	71426	53.225 ug/L	96
14) Carbon disulfide	2.47	76	91583	4.724 ug/L	99
15) Methyl Acetate	2.61	43	18048	4.902 ug/L	98
16) Methylene chloride	2.69	84	33659	5.013 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	89041	5.029 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	32438	4.966 ug/L	98
19) 1,1-Dichloroethane	3.43	63	64875	5.549 ug/L	97
21) 2-Butanone	4.27	43	107199	54.924 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	37678	5.097 ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17325	5.445	ug/L	93
25) Chloroform	4.67	83	66570	5.573	ug/L	97
27) 1,2-Dichloroethane	5.40	62	45827	5.838	ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	57784	5.227	ug/L	97
30) Cyclohexane	4.98	56	53937	4.616	ug/L	96
31) Carbon tetrachloride	5.12	117	53358	5.309	ug/L	99
33) Benzene	5.38	78	138596	5.182	ug/L	100
34) Trichloroethene	6.18	95	36093	4.691	ug/L	97
35) Methylcyclohexane	6.41	83	53764	4.345	ug/L	96
37) 1,2-Dichloropropane	6.42	63	36882	5.330	ug/L	99
38) Bromodichloromethane	6.75	83	47882	5.383	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	49765	4.684	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	267205	54.258	ug/L	97
42) Toluene	7.63	91	149494	5.015	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	41252	4.863	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	27451	5.452	ug/L	98
47) Tetrachloroethene	8.22	164	30391	5.020	ug/L	94
48) 2-Hexanone	8.36	43	189980	53.983	ug/L	99
49) Dibromochloromethane	8.47	129	33682	5.230	ug/L	99
50) 1,2-Dibromoethane	8.58	107	26120	5.206	ug/L	97
51) Chlorobenzene	9.11	112	93433	4.999	ug/L	99
52) Ethylbenzene	9.24	91	159679	4.861	ug/L	100
53) m,p-Xylene	9.37	106	58954	4.734	ug/L	97
54) o-Xylene	9.77	106	58775	4.729	ug/L	93
55) Styrene	9.78	104	101117	4.945	ug/L	97
56) Isopropylbenzene	10.16	105	154667	4.717	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	35565	5.523	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	25120	5.528	ug/L	97
61) Bromoform	9.95	173	19755	4.997	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	77621	4.833	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	78372	4.800	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	76432	4.925	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5889	5.404	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	59805	4.646	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	49734	4.791	ug/L	98
69) Naphthalene	13.74	128	88765	4.878	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	48866	4.728	ug/L	98

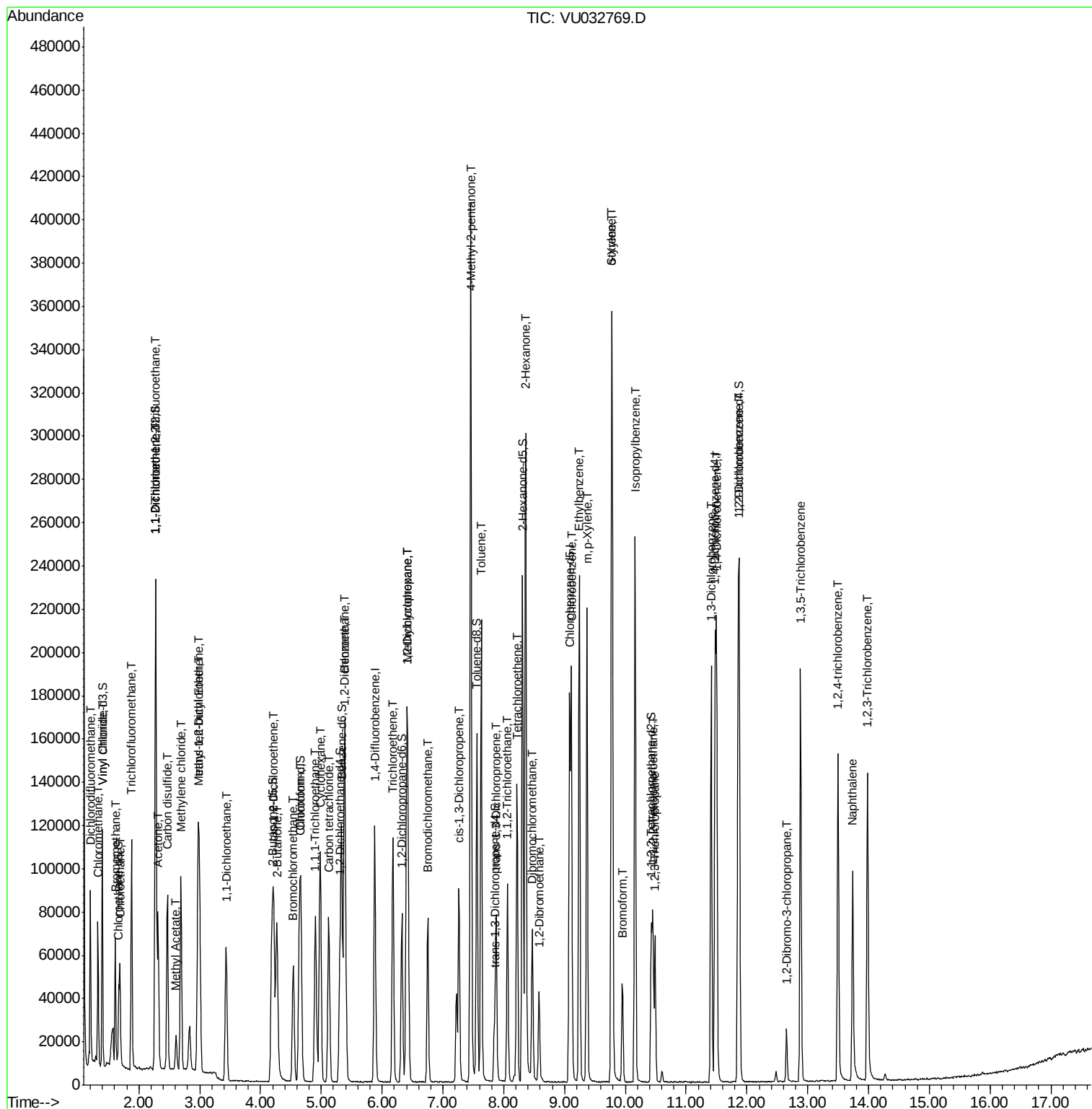
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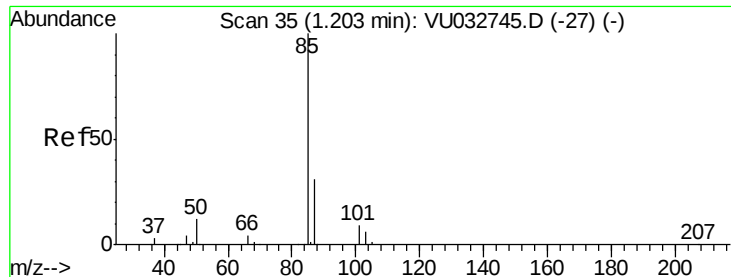
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#2

Dichlorodifluoromethane

Concen: 5.321 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

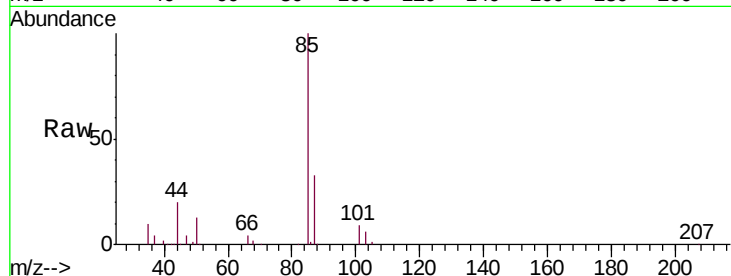
VSTD00527

Tgt Ion: 85 Resp: 43506

Ion Ratio Lower Upper

85 100

87 33.0 25.8 38.8

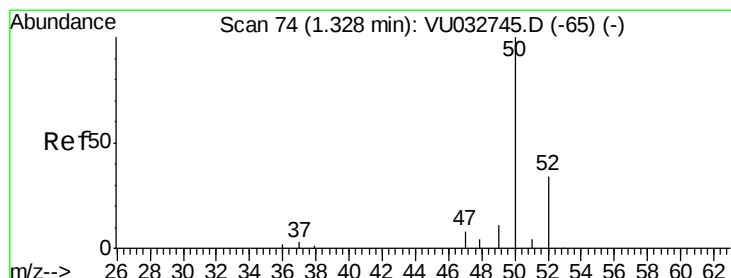
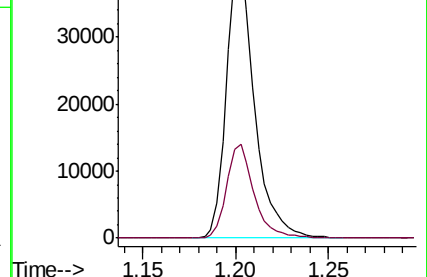
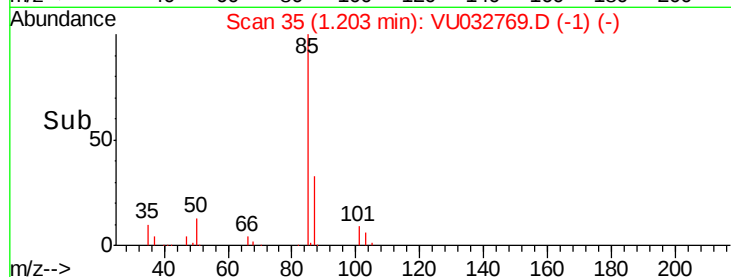


Abundance Ion 85.00 (84.70 to 85.70): VU032745.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032745.D (-27) (-)

1.20

Time-->



#3

Chloromethane

Concen: 5.249 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU032769.D

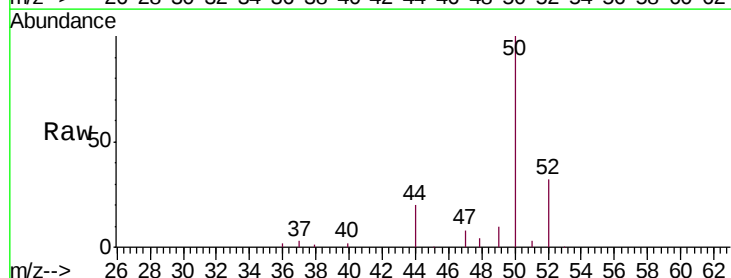
Acq: 15 Jun 2019 11:22

Tgt Ion: 50 Resp: 44513

Ion Ratio Lower Upper

50 100

52 32.2 23.2 43.2

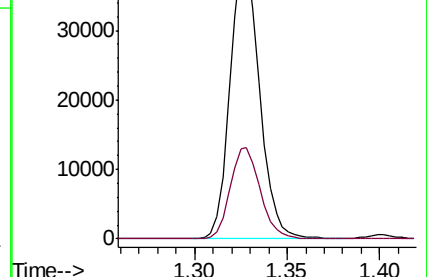
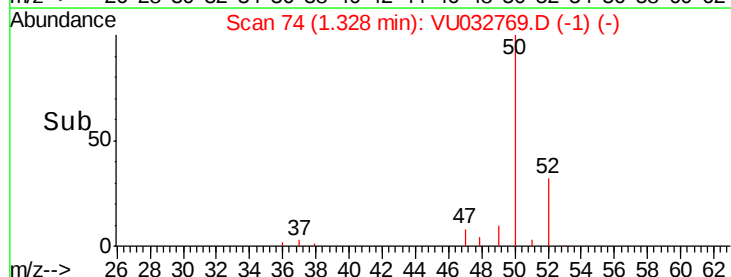


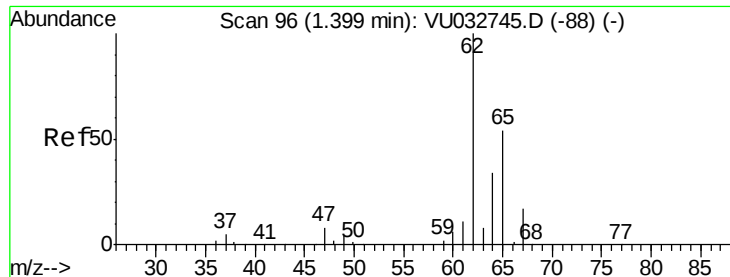
Abundance Ion 50.05 (49.75 to 50.75): VU032745.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032745.D (-65) (-)

1.33

Time-->





#5

Vinyl chloride

Concen: 5.210 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

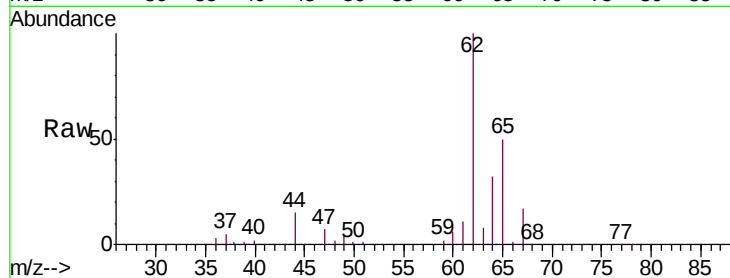
VSTD00527

Tgt Ion: 62 Resp: 43425

Ion Ratio Lower Upper

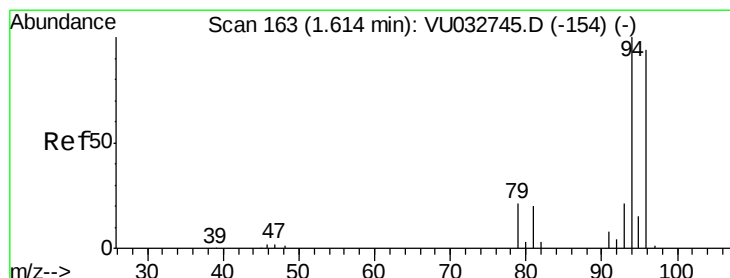
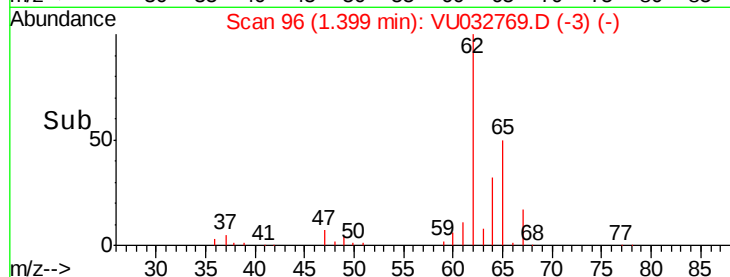
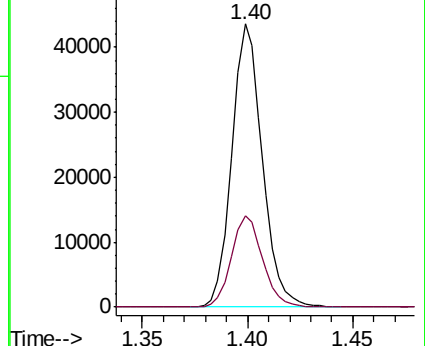
62 100

64 32.5 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032745.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032745.D (-88) (-)



#6

Bromomethane

Concen: 4.841 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU032769.D

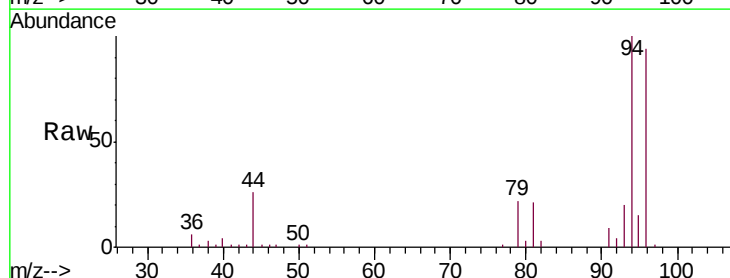
Acq: 15 Jun 2019 11:22

Tgt Ion: 94 Resp: 24614

Ion Ratio Lower Upper

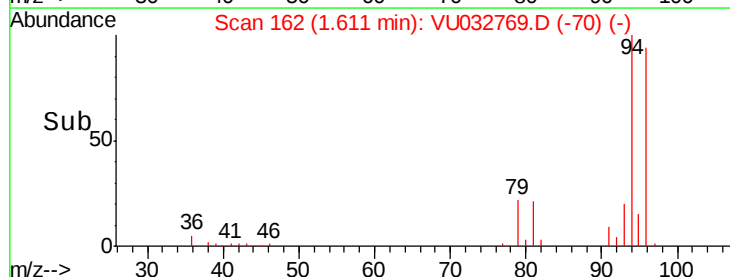
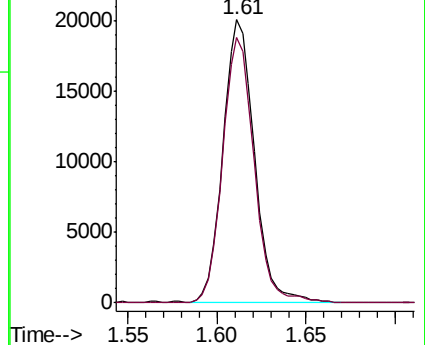
94 100

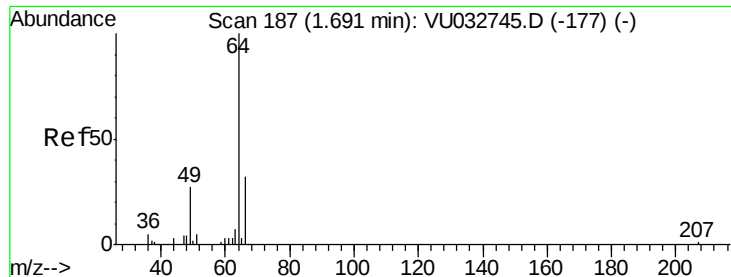
96 93.9 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032745.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU032745.D (-154) (-)





#8

Chloroethane

Concen: 4.732 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

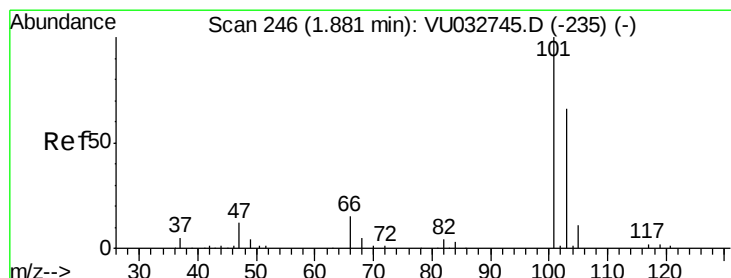
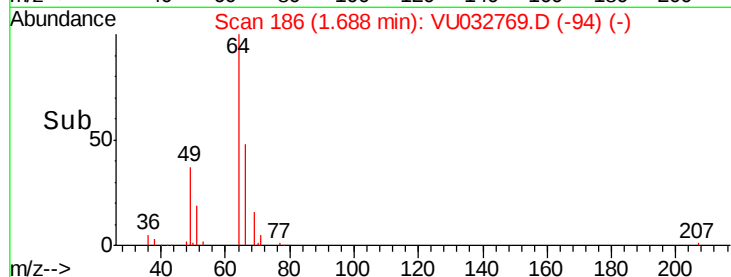
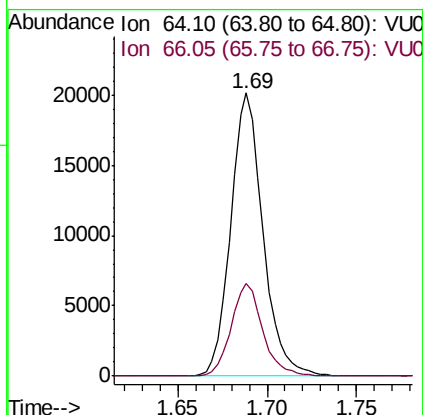
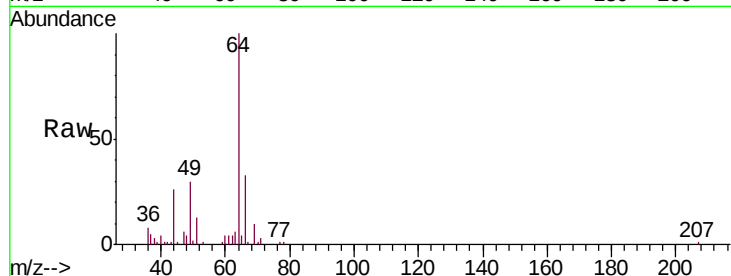
VSTD00527

Tgt Ion: 64 Resp: 25199

Ion Ratio Lower Upper

64 100

66 32.8 22.8 42.4



#9

Trichlorofluoromethane

Concen: 5.249 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032769.D

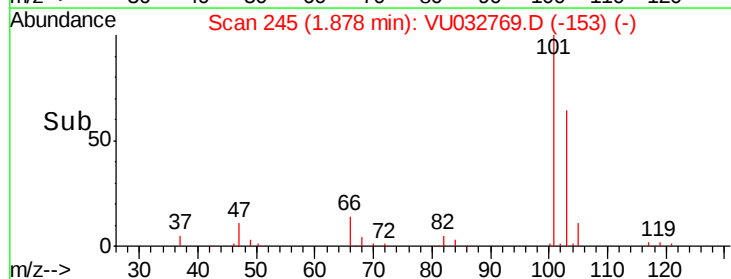
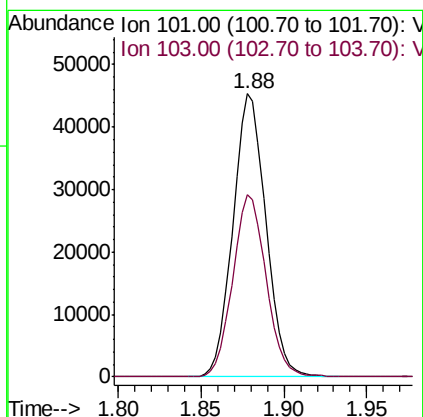
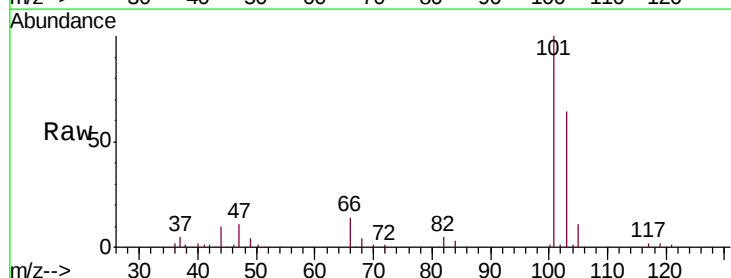
Acq: 15 Jun 2019 11:22

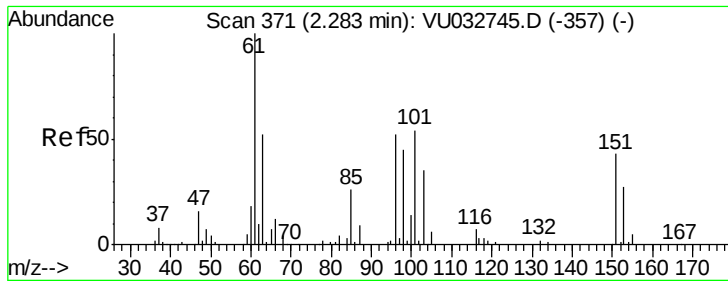
Tgt Ion: 101 Resp: 62612

Ion Ratio Lower Upper

101 100

103 65.2 52.2 78.2





#10

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

Concen: 5.074 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

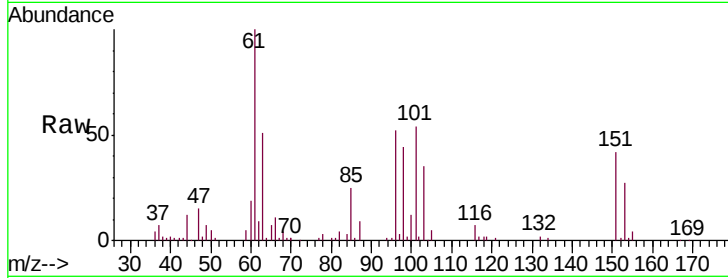
Tgt Ion: 101 Resp: 32176

Ion Ratio Lower Upper

101 100

85 46.6 38.9 58.3

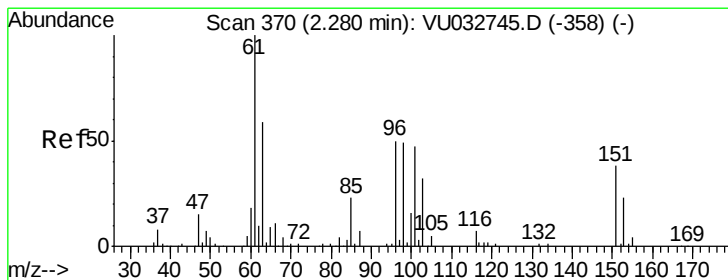
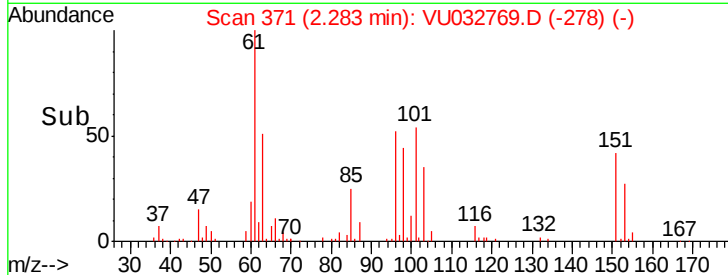
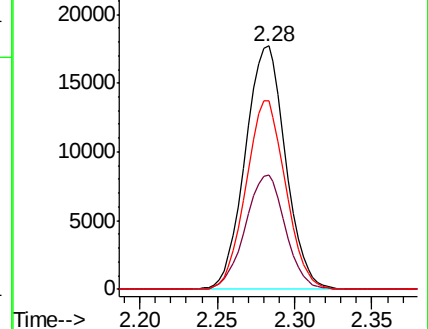
151 76.1 61.0 91.4



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: 4.911 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

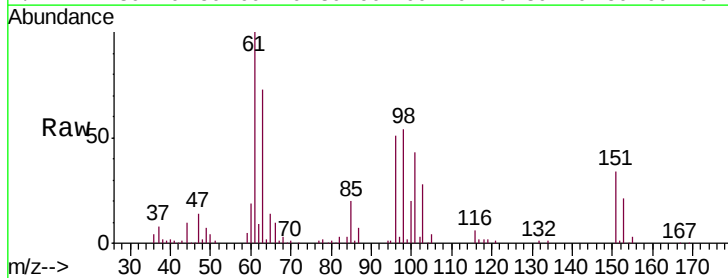
Tgt Ion: 96 Resp: 29731

Ion Ratio Lower Upper

96 100

61 194.5 131.8 244.8

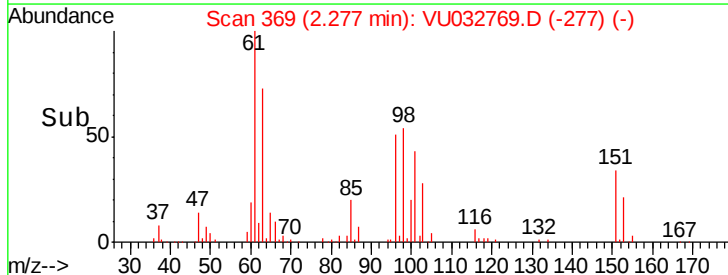
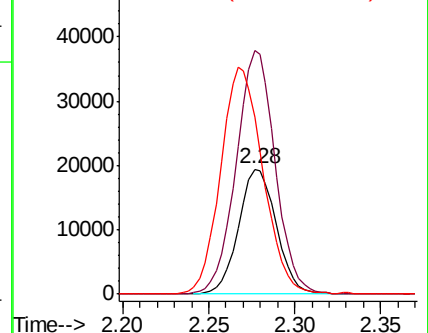
63 141.1 90.1 167.3

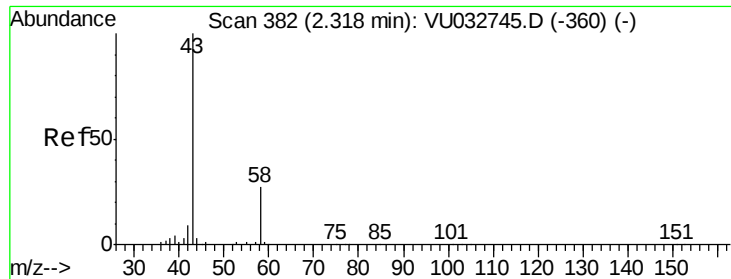


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.225 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

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MSVOA_U

ClientSampleId :

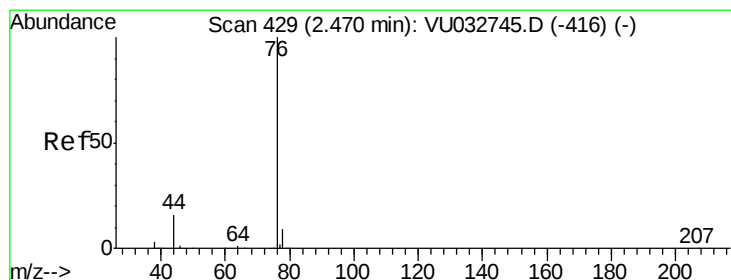
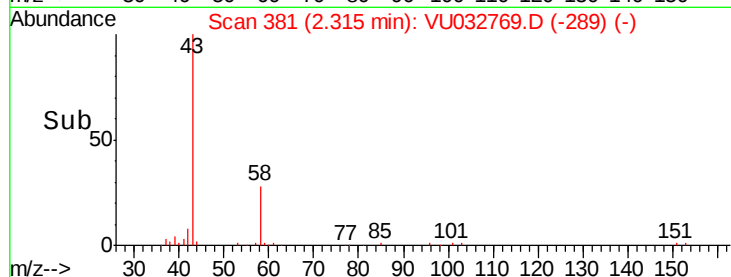
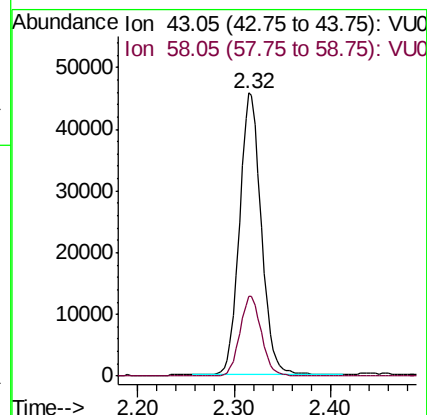
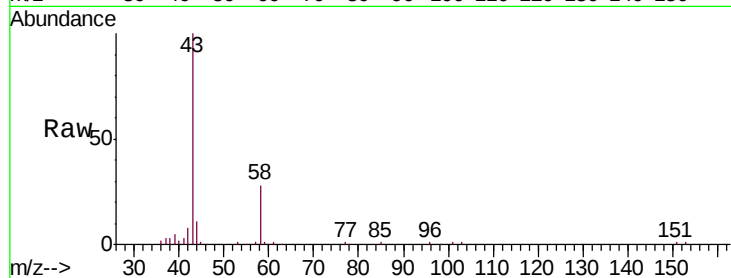
VSTD00527

Tgt Ion: 43 Resp: 71426

Ion Ratio Lower Upper

43 100

58 28.0 0.0 60.8



#14

Carbon disulfide

Concen: 4.724 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032769.D

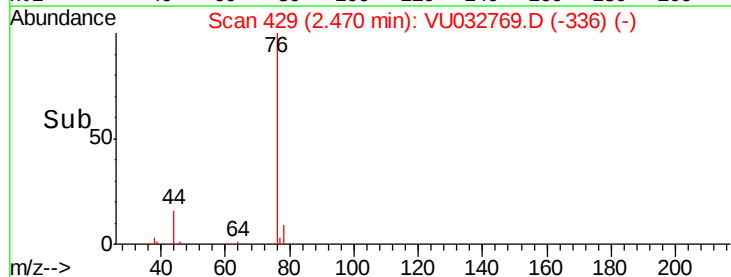
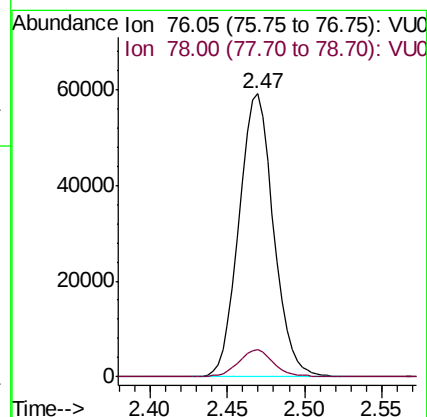
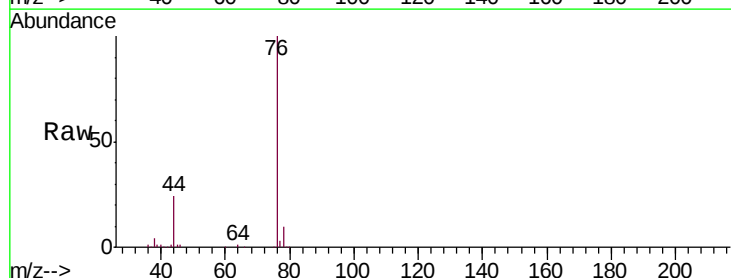
Acq: 15 Jun 2019 11:22

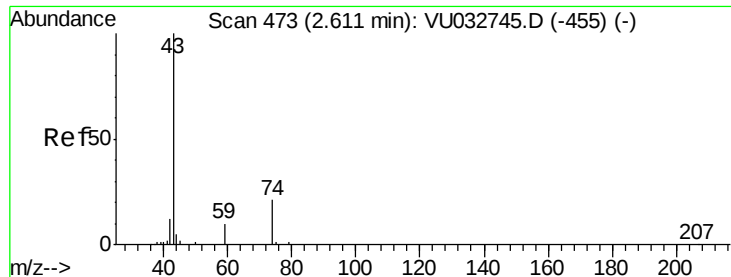
Tgt Ion: 76 Resp: 91583

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#15

Methyl Acetate

Concen: 4.902 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

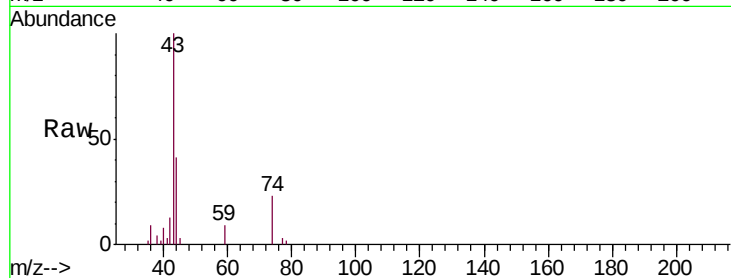
VSTD00527

Tgt Ion: 43 Resp: 18048

Ion Ratio Lower Upper

43 100

74 21.3 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU032769.D (-380) (-)

Ion 74.05 (73.75 to 74.75): VU032769.D (-380) (-)

2.61

12000

10000

8000

6000

4000

2000

0

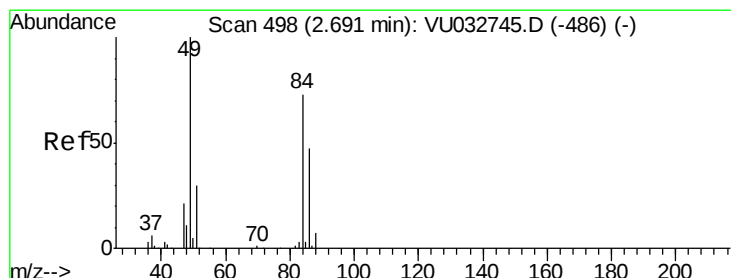
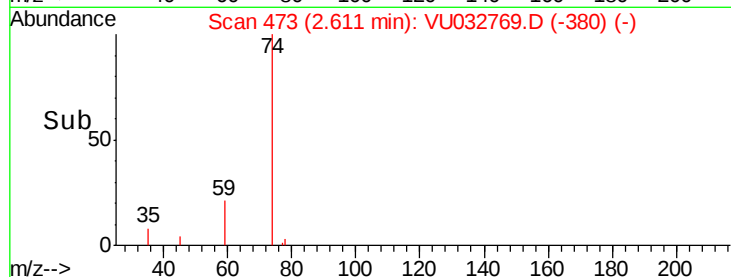
Time-->

2.55

2.60

2.65

2.70



#16

Methylene chloride

Concen: 5.013 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

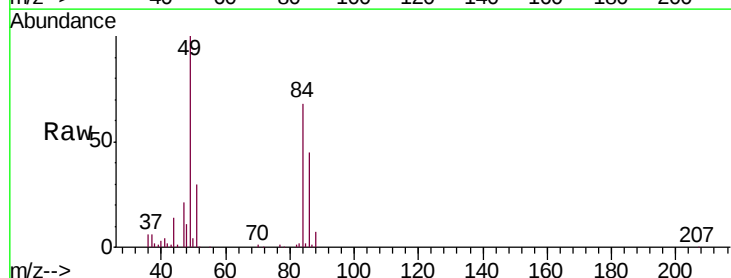
Tgt Ion: 84 Resp: 33659

Ion Ratio Lower Upper

84 100

86 65.6 47.2 87.6

49 146.3 95.9 178.1



Abundance Ion 84.05 (83.75 to 84.75): VU032769.D (-405) (-)

Ion 86.00 (85.70 to 86.70): VU032769.D (-405) (-)

Ion 49.10 (48.80 to 49.80): VU032769.D (-405) (-)

2.69

40000

30000

20000

10000

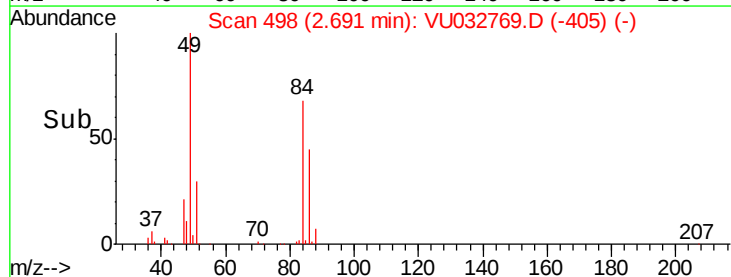
0

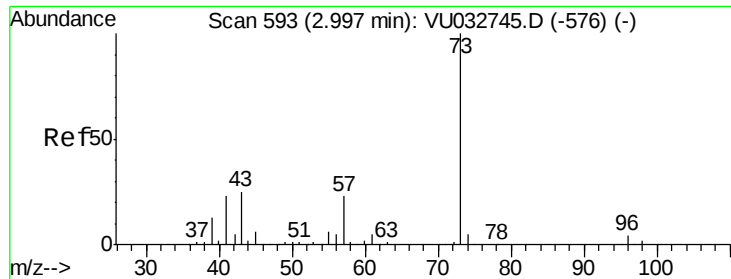
Time-->

2.65

2.70

2.75

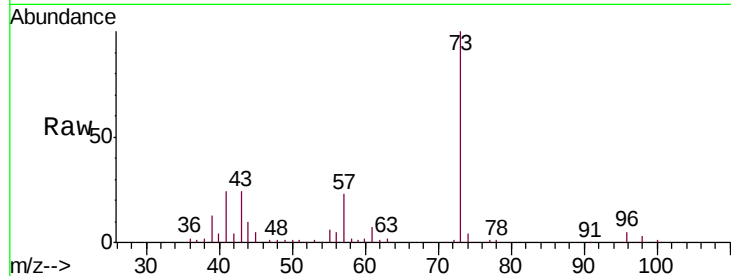




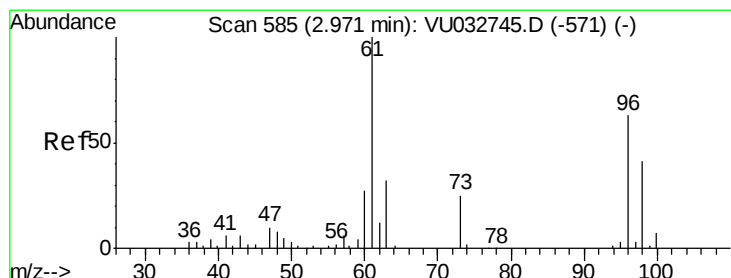
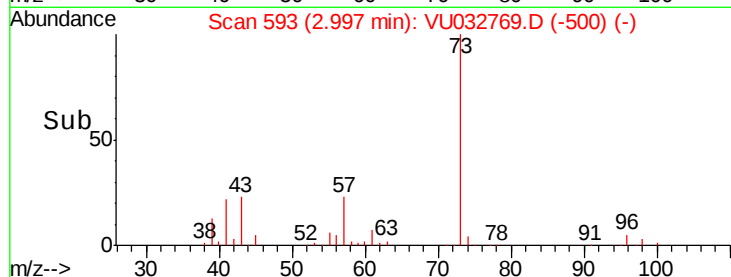
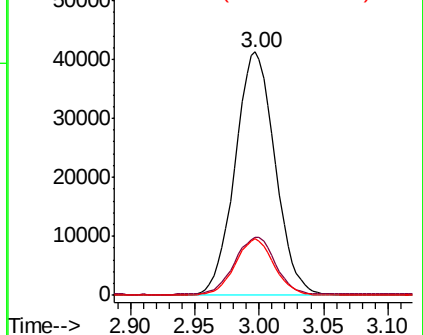
#17
Methyl tert-butyl Ether
Concen: 5.029 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032769.D
Acq: 15 Jun 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion: 73 Resp: 89041
Ion Ratio Lower Upper
73 100
43 23.7 18.6 27.8
57 22.7 18.3 27.5

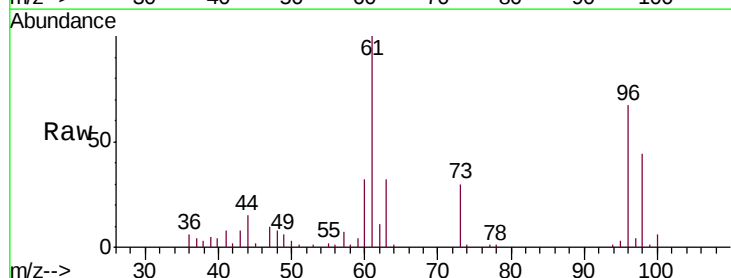


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

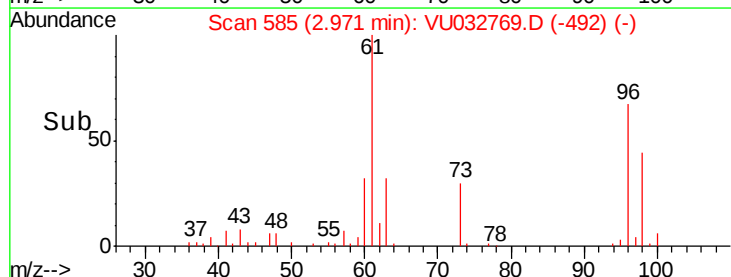
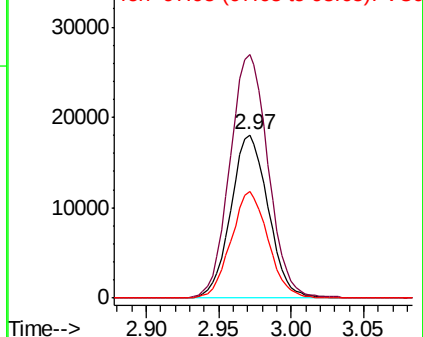


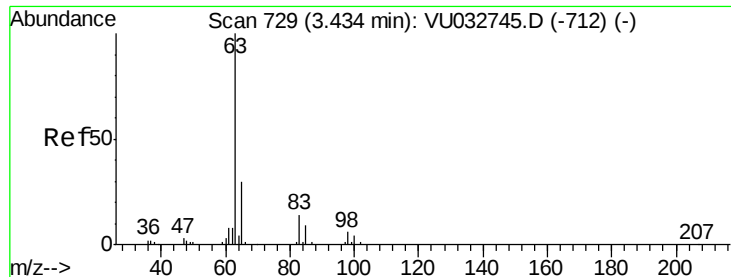
#18
trans-1,2-Dichloroethene
Concen: 4.966 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032769.D
Acq: 15 Jun 2019 11:22

Tgt Ion: 96 Resp: 32438
Ion Ratio Lower Upper
96 100
61 149.4 103.1 191.5
98 65.4 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

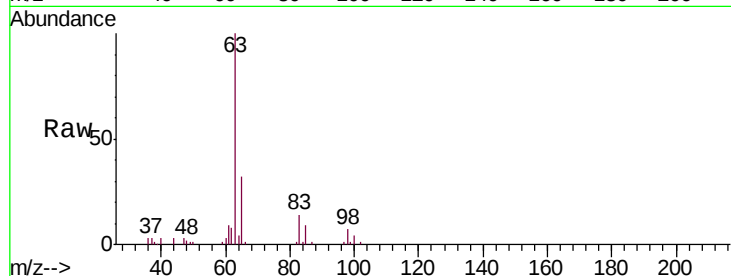




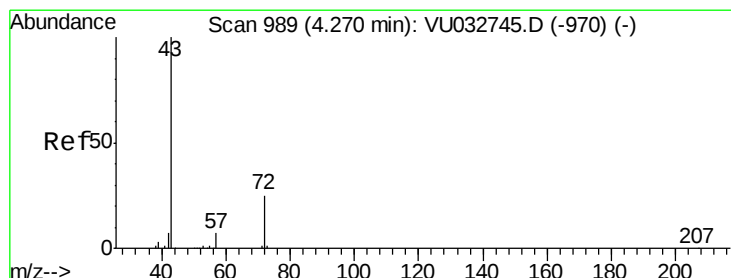
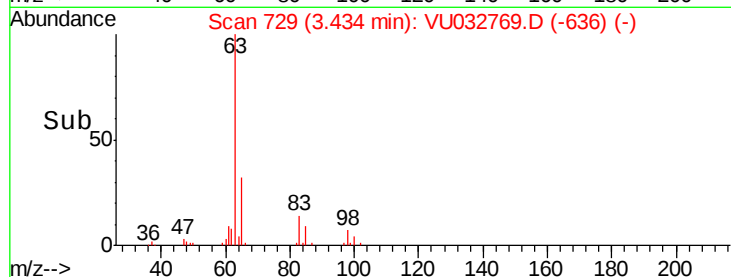
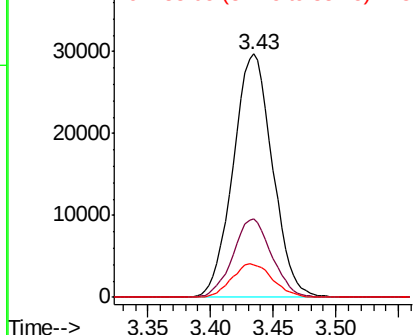
#19
 1,1-Dichloroethane
 Concen: 5.549 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.3	39.6
83	13.5	10.1	18.7

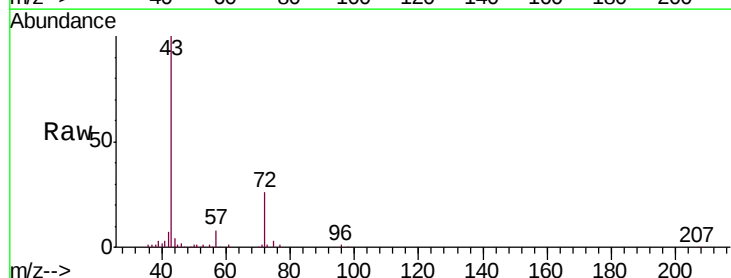


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

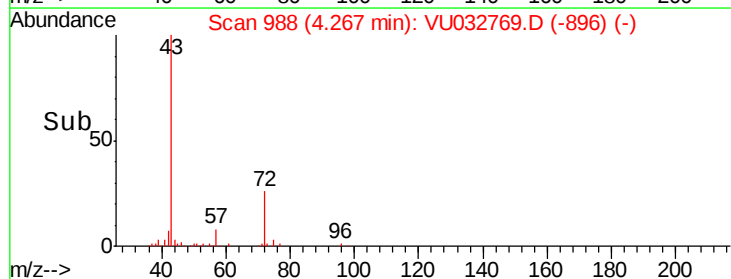
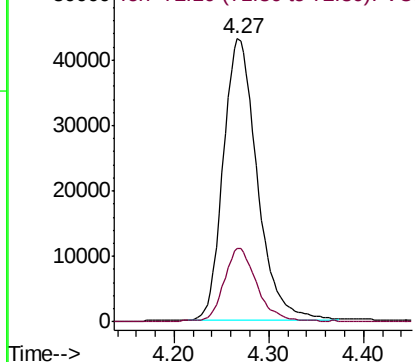


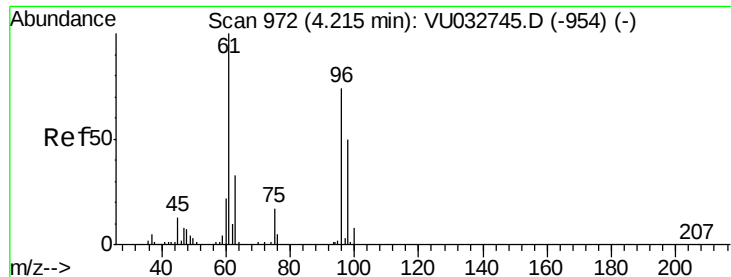
#21
 2-Butanone
 Concen: 54.924 ug/L
 RT: 4.27 min Scan# 988
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.7	13.1	39.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



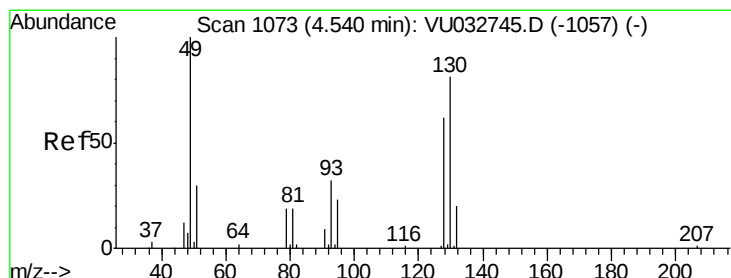
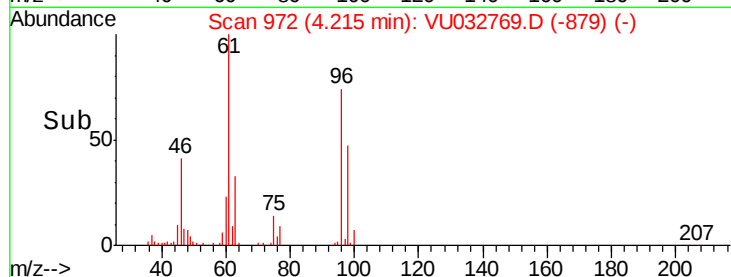
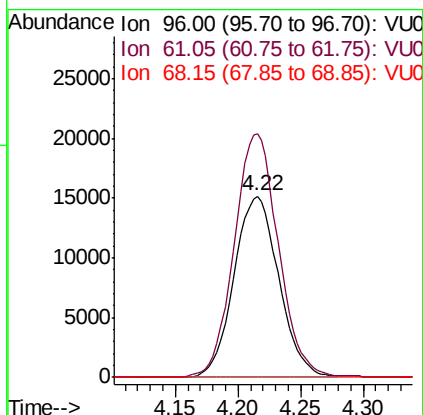
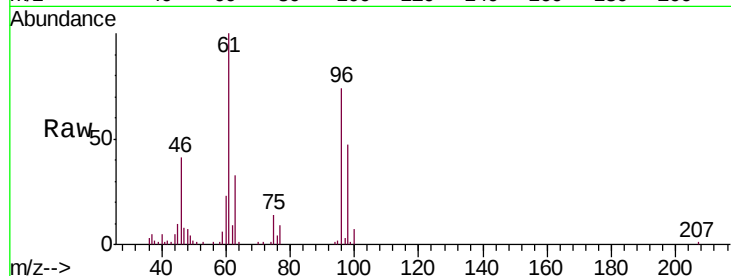


#22

cis-1,2-Dichloroethene
Concen: 5.097 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU032769.D
Acq: 15 Jun 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

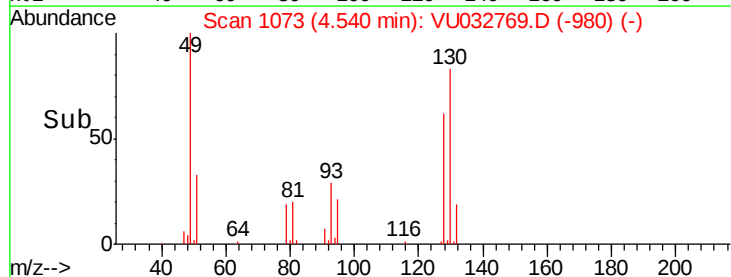
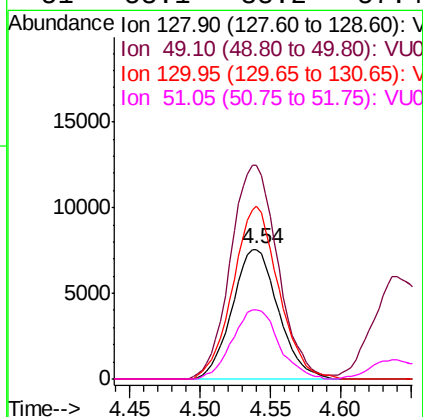
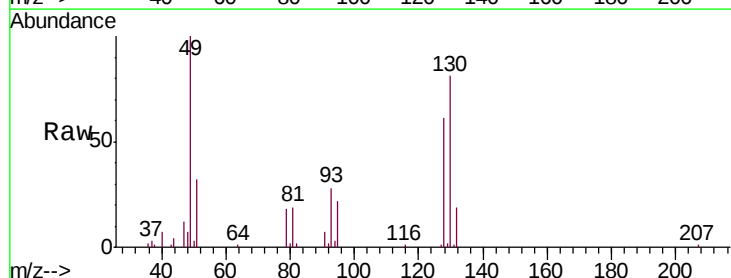
Tgt Ion: 96 Resp: 37678
Ion Ratio Lower Upper
96 100
61 134.5 86.6 160.8
68 0.0 0.0 0.0

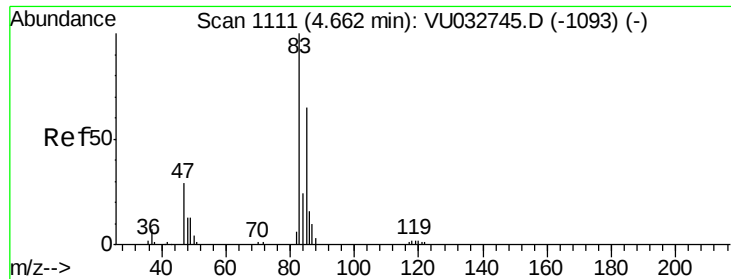


#23

Bromochloromethane
Concen: 5.445 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VU032769.D
Acq: 15 Jun 2019 11:22

Tgt Ion: 128 Resp: 17325
Ion Ratio Lower Upper
128 100
49 165.1 107.8 200.2
130 133.9 89.3 165.9
51 53.1 38.2 57.4





#25

Chloroform

Concen: 5.573 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

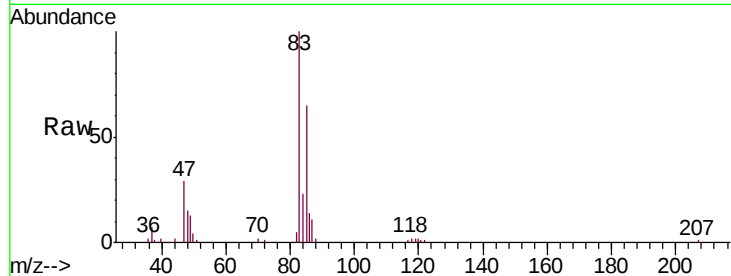
VSTD00527

Tgt Ion: 83 Resp: 66570

Ion Ratio Lower Upper

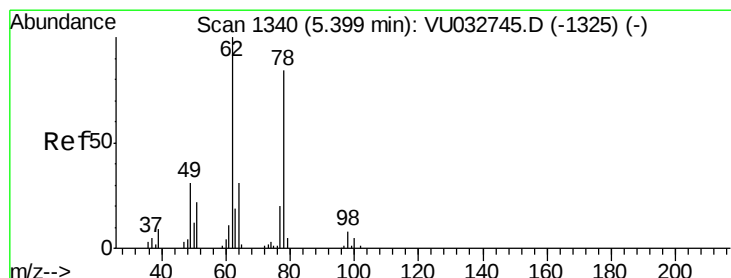
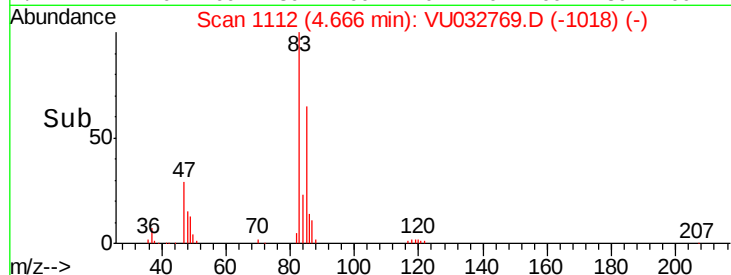
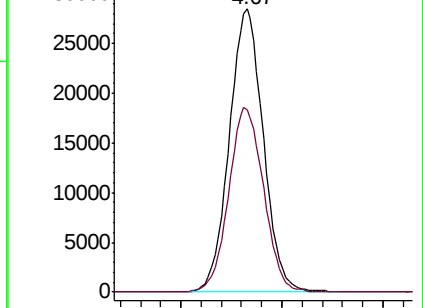
83 100

85 64.5 43.8 81.3



Abundance Ion 83.05 (82.75 to 83.75): VU032745.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU032745.D (-1093) (-)



#27

1,2-Dichloroethane

Concen: 5.838 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU032769.D

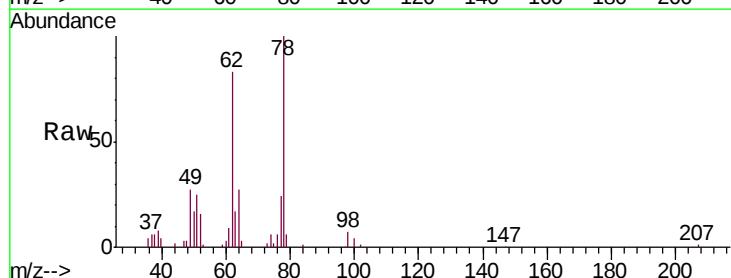
Acq: 15 Jun 2019 11:22

Tgt Ion: 62 Resp: 45827

Ion Ratio Lower Upper

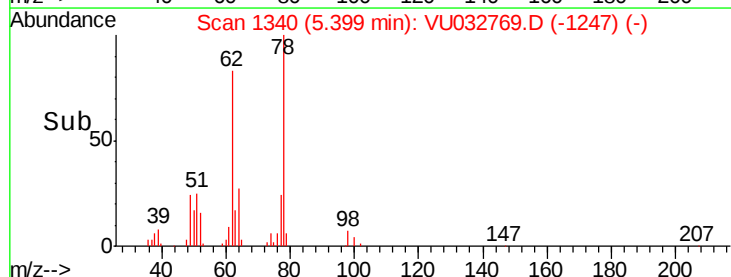
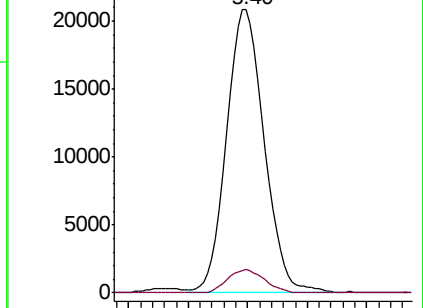
62 100

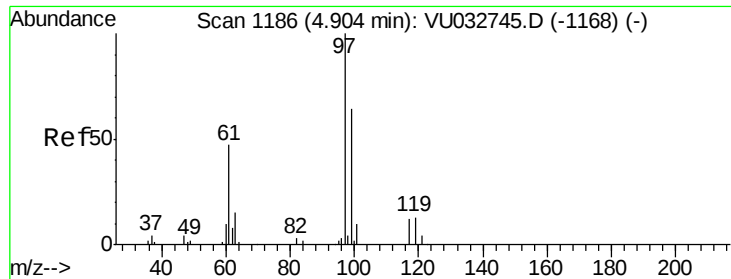
98 8.4 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VU032745.D (-1325) (-)

Ion 98.05 (97.75 to 98.75): VU032745.D (-1325) (-)

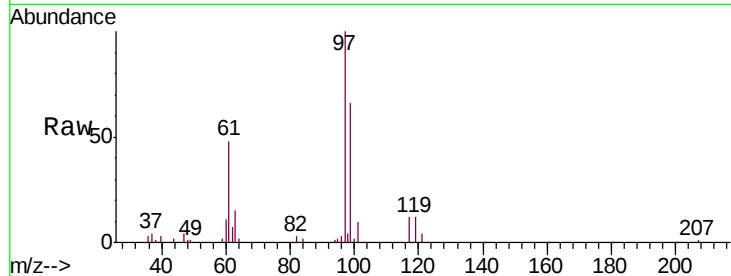




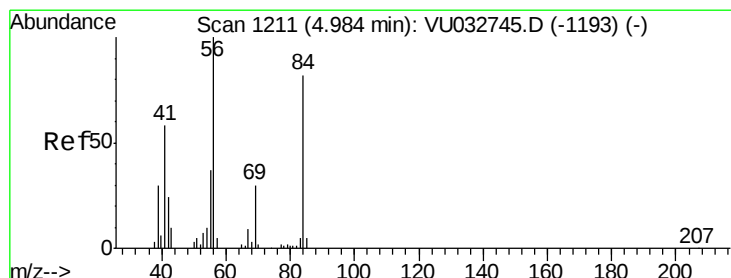
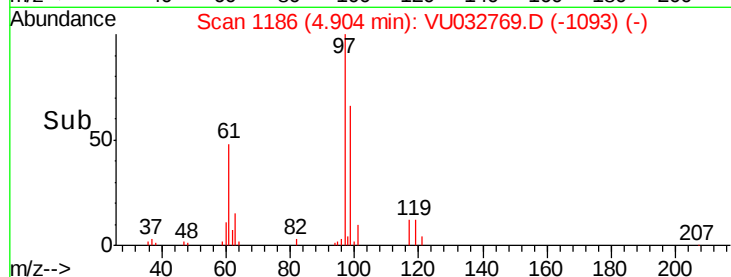
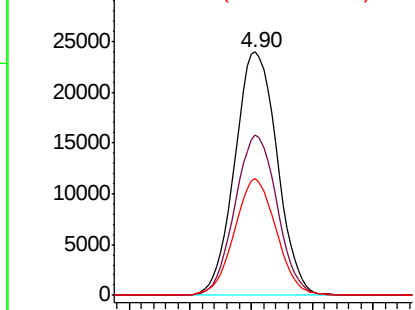
#29
 1,1,1-Trichloroethane
 Concen: 5.227 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion: 97 Resp: 57784
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.8 77.6
 61 47.1 34.7 52.1

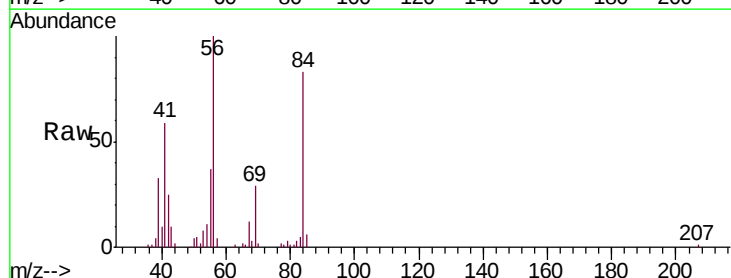


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

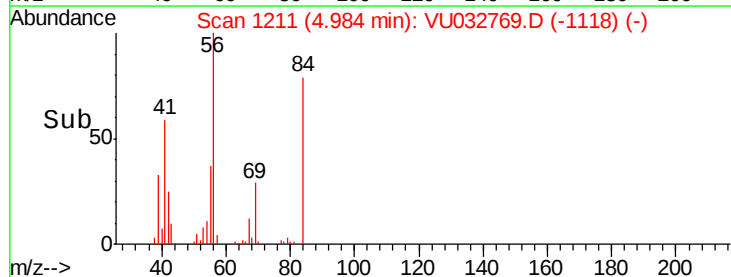
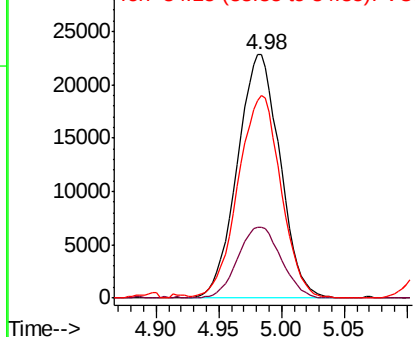


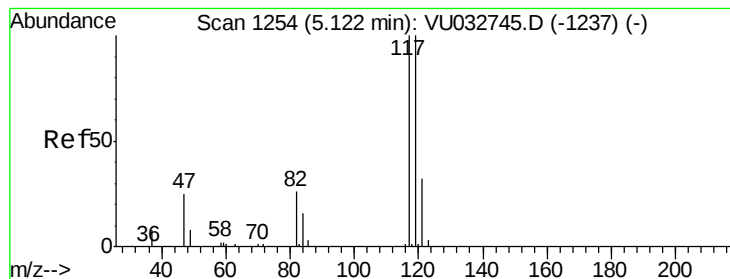
#30
 Cyclohexane
 Concen: 4.616 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Tgt Ion: 56 Resp: 53937
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.9 37.3
 84 84.0 70.2 105.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.309 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

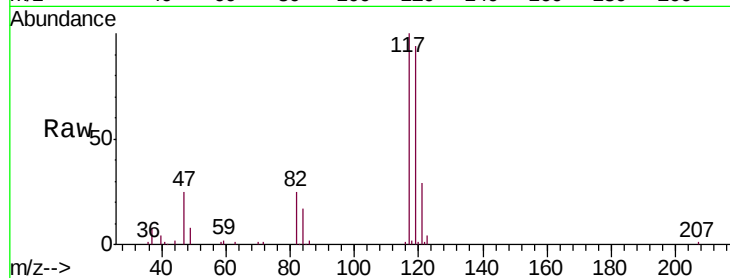
VSTD00527

Tgt Ion:117 Resp: 53358

Ion Ratio Lower Upper

117 100

119 96.2 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.12

25000

20000

15000

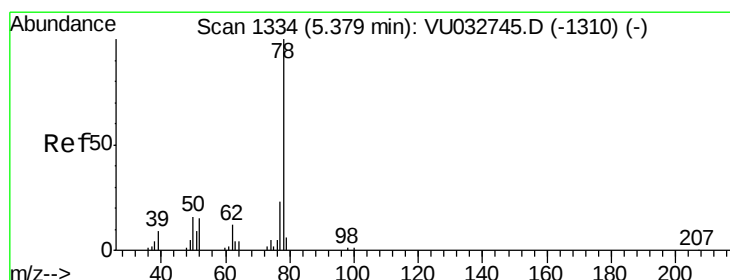
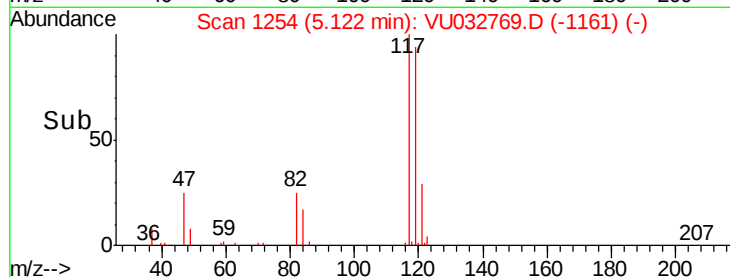
10000

5000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 5.182 ug/L

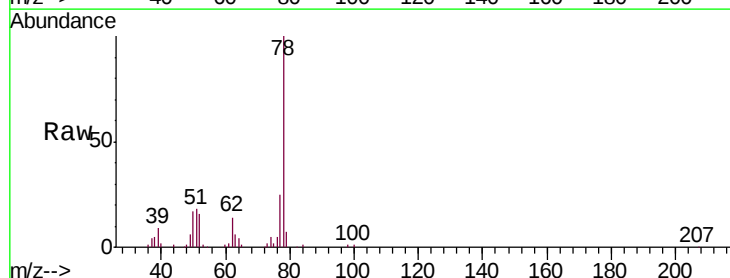
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Tgt Ion: 78 Resp: 138596



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.38

60000

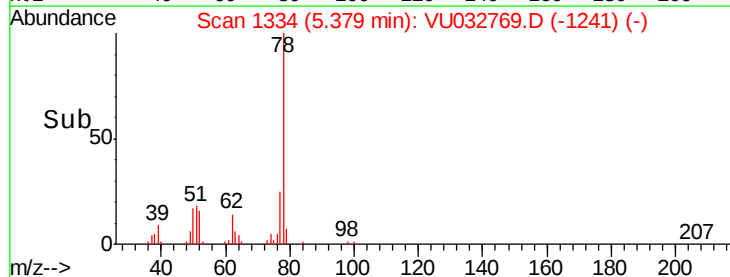
40000

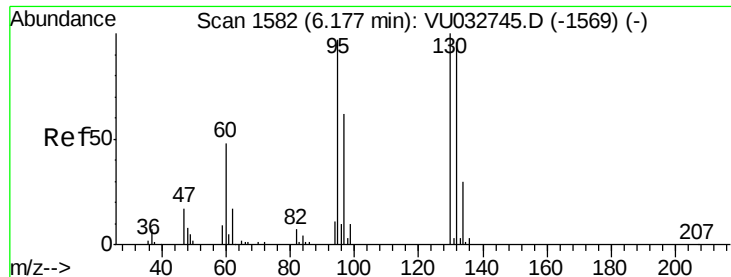
20000

0

Time-->

5.30 5.40 5.50

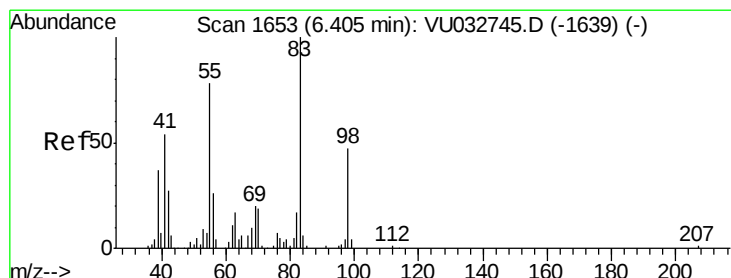
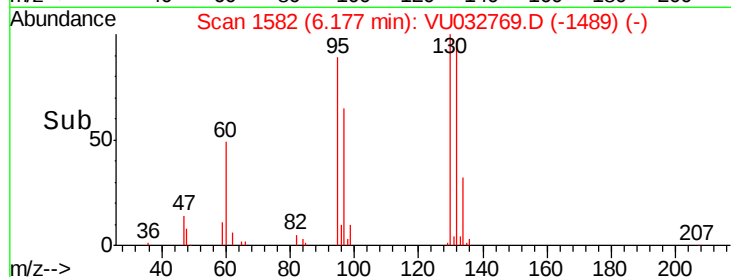
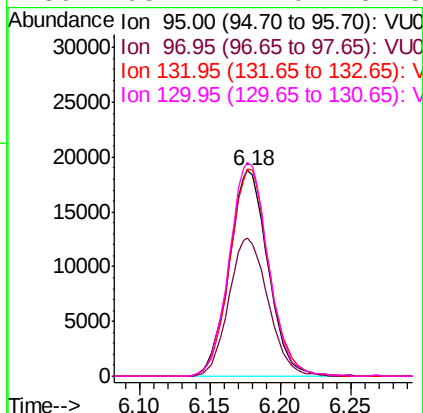
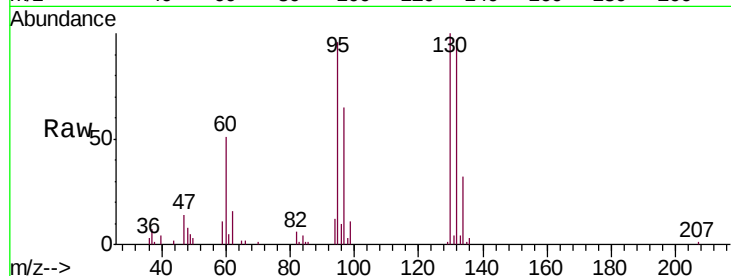




#34
 Trichloroethene
 Concen: 4.691 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

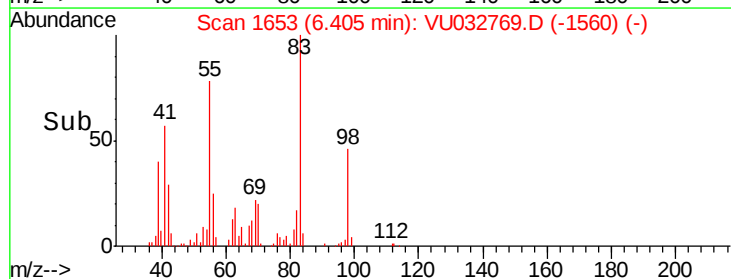
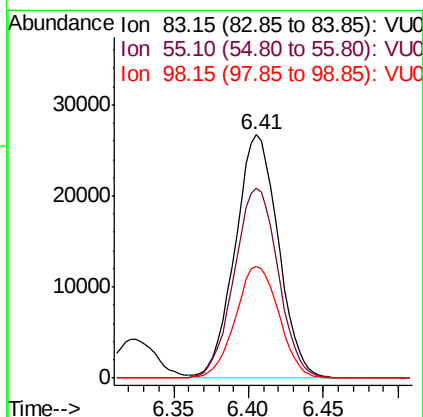
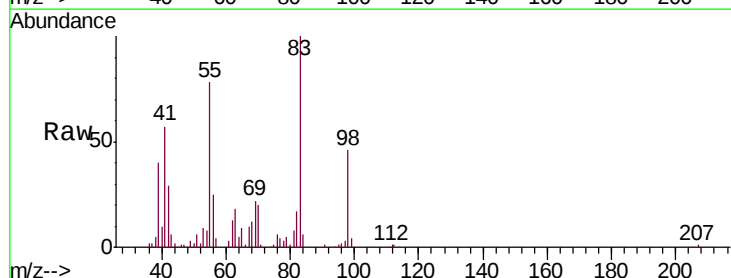
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

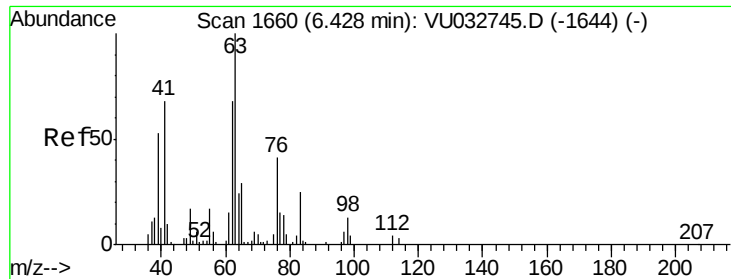
Tgt Ion:	95	Resp:	36093
Ion	Ratio	Lower	Upper
95	100		
97	67.1	44.1	81.9
132	100.4	68.8	127.8
130	103.7	71.0	131.8



#35
 Methylcyclohexane
 Concen: 4.345 ug/L
 RT: 6.41 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Tgt Ion:	83	Resp:	53764
Ion	Ratio	Lower	Upper
83	100		
55	79.2	60.0	90.0
98	46.3	37.8	56.8





#37

1,2-Dichloropropane

Concen: 5.330 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

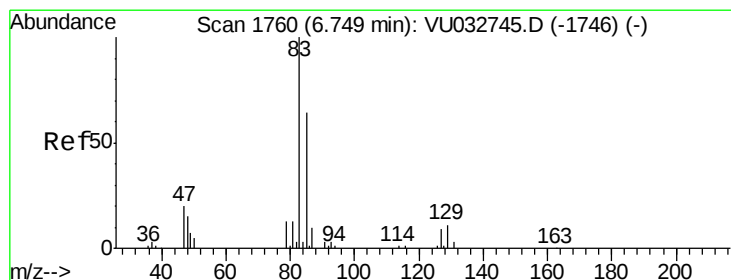
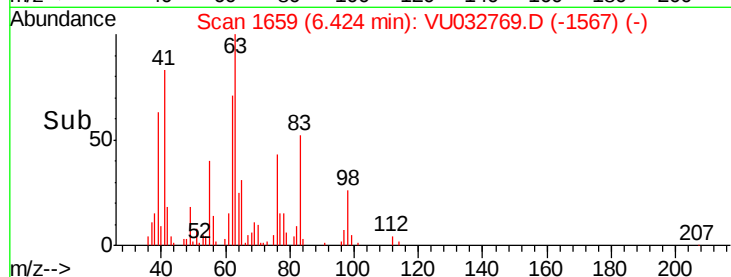
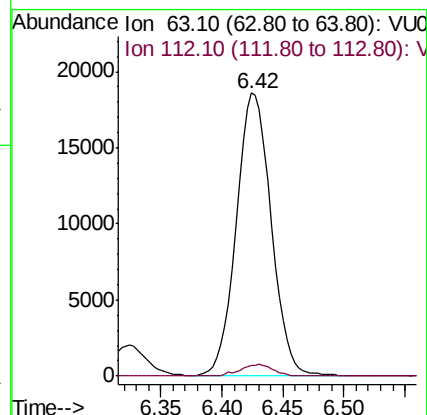
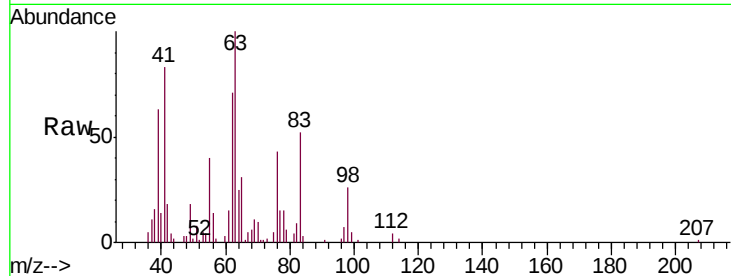
VSTD00527

Tgt Ion: 63 Resp: 36882

Ion Ratio Lower Upper

63 100

112 3.8 2.9 4.3



#38

Bromodichloromethane

Concen: 5.383 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

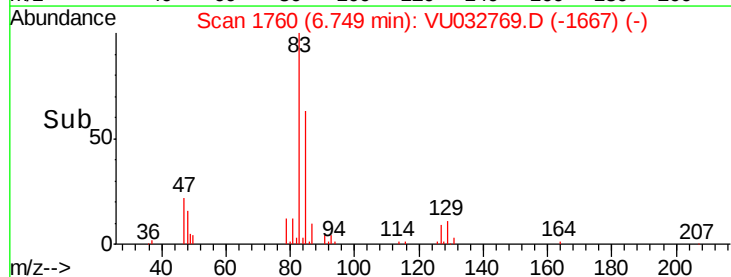
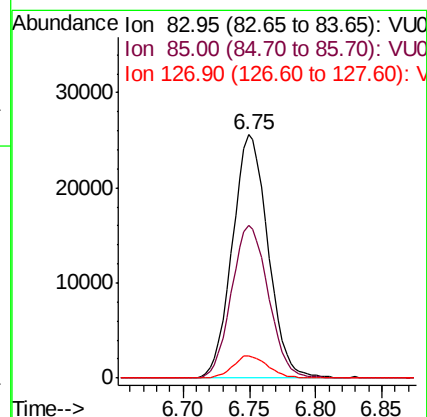
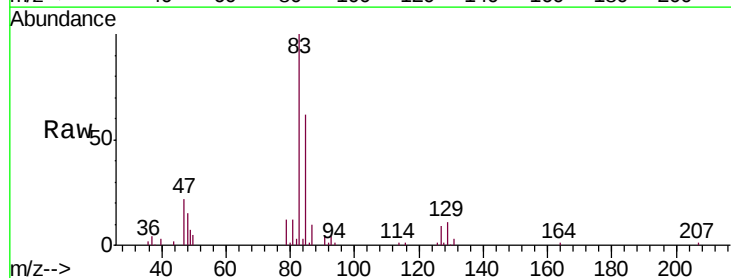
Tgt Ion: 83 Resp: 47882

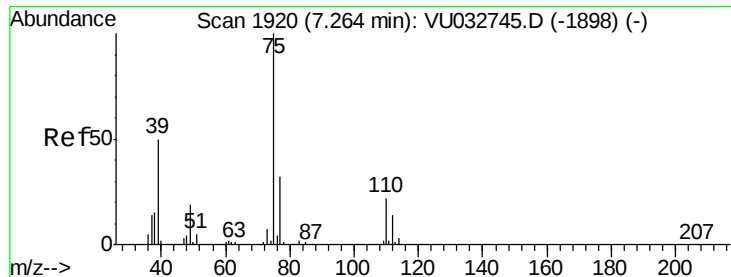
Ion Ratio Lower Upper

83 100

85 62.5 45.2 84.0

127 9.1 7.4 11.2

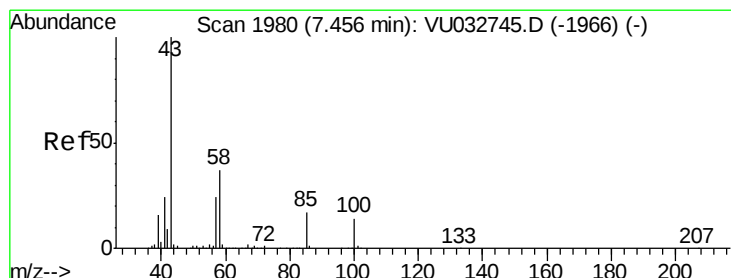
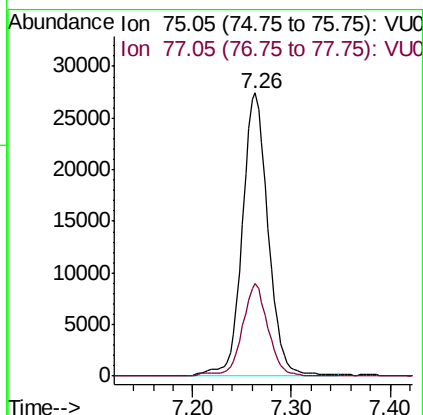
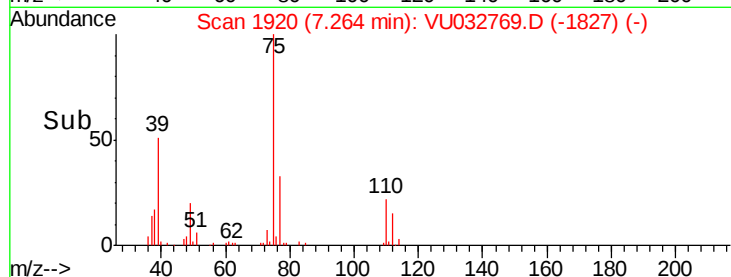
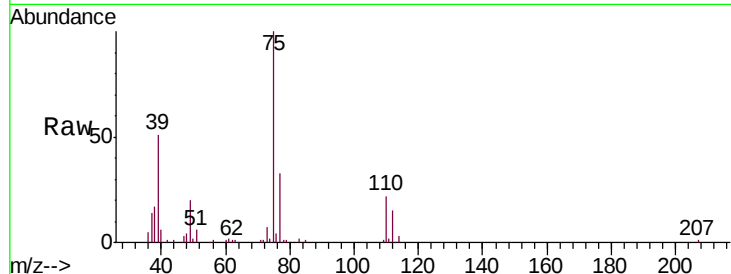




#39
 cis-1,3-Dichloropropene
 Concen: 4.684 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

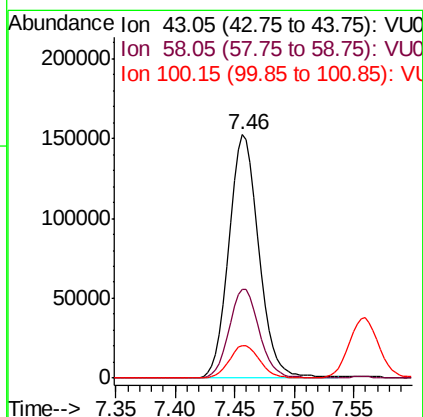
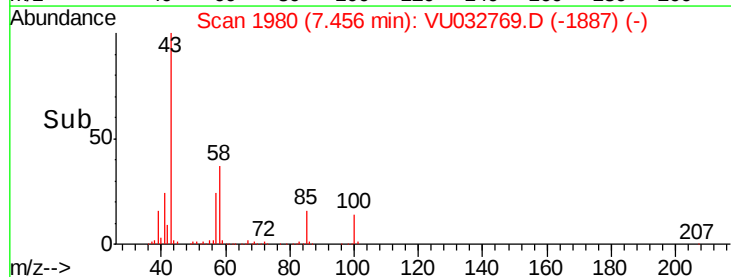
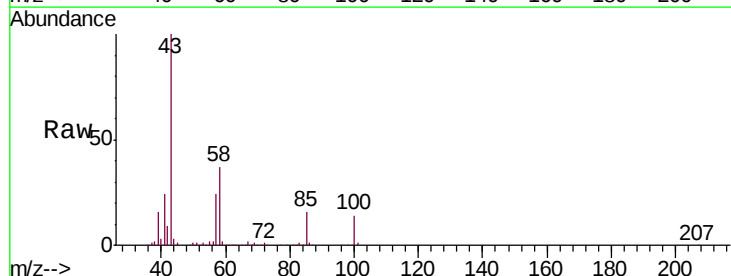
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

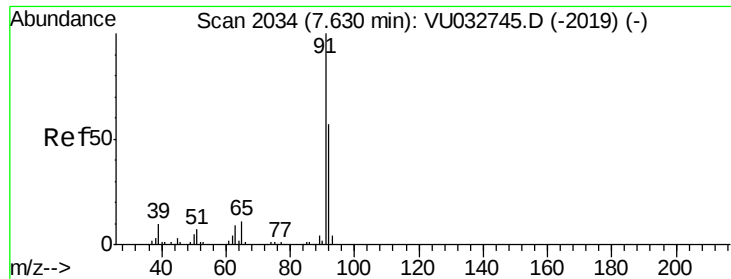
Tgt Ion: 75 Resp: 49765
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 54.258 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Tgt Ion: 43 Resp: 267205
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.9 46.3
 100 13.5 11.9 17.9





#42

Toluene

Concen: 5.015 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

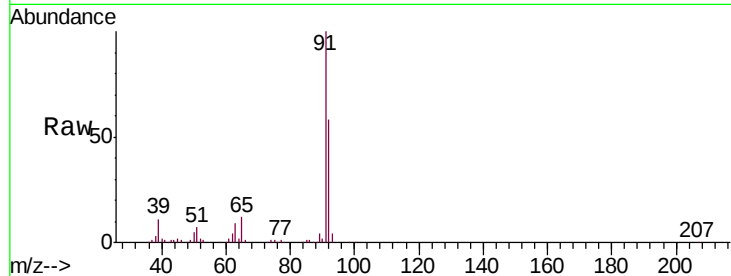
VSTD00527

Tgt Ion: 91 Resp: 149494

Ion Ratio Lower Upper

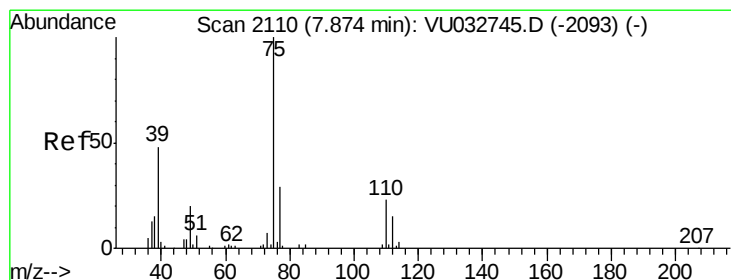
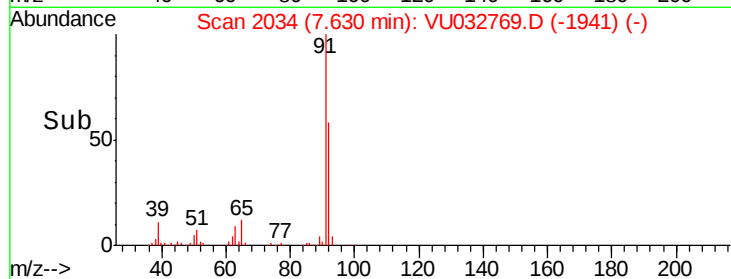
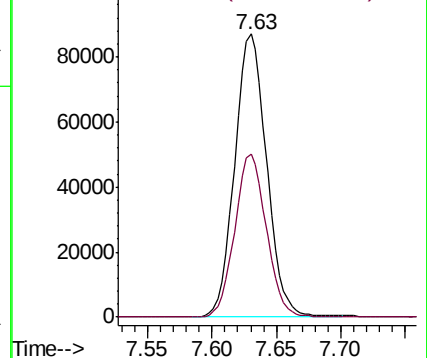
91 100

92 57.7 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032745.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VU032745.D (-2019) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.863 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032769.D

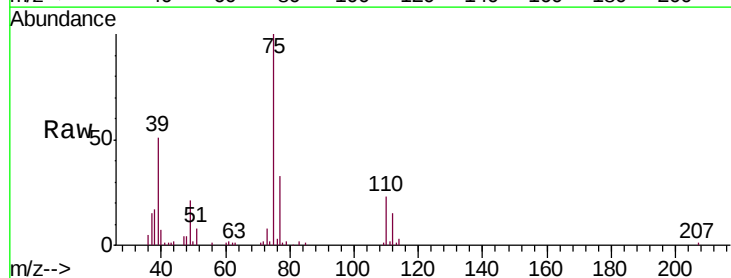
Acq: 15 Jun 2019 11:22

Tgt Ion: 75 Resp: 41252

Ion Ratio Lower Upper

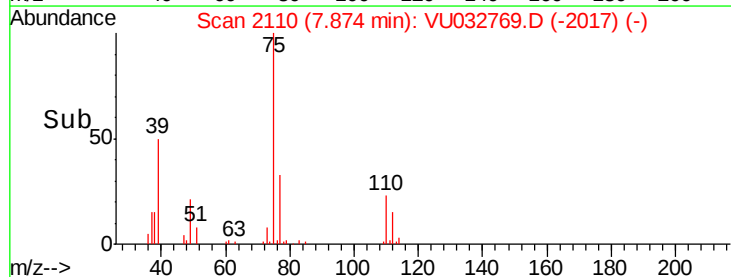
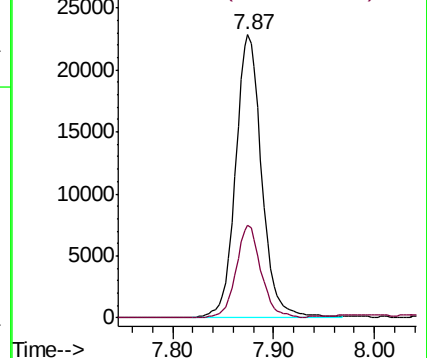
75 100

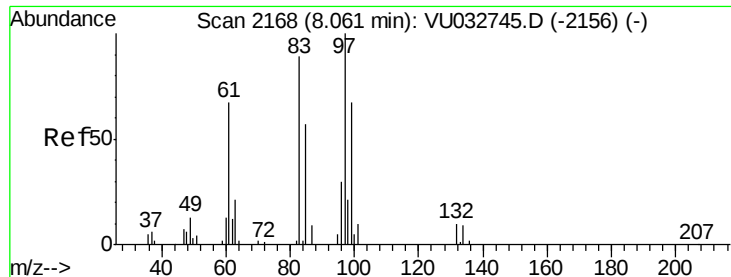
77 32.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032745.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU032745.D (-2093) (-)

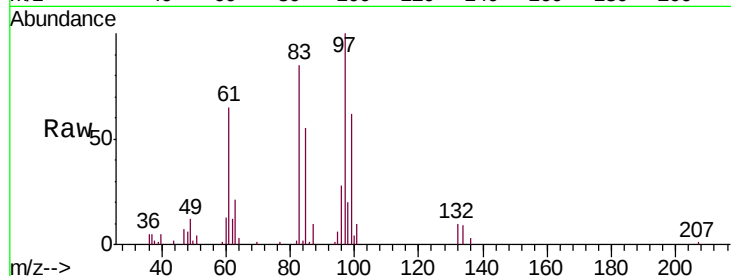




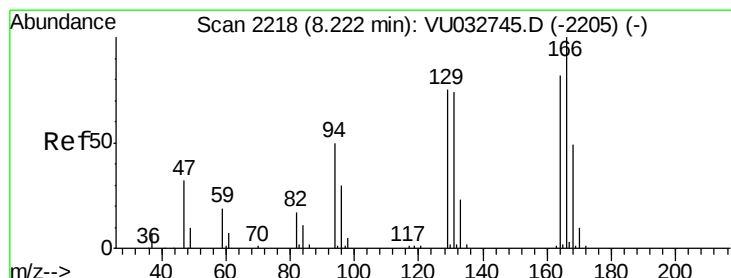
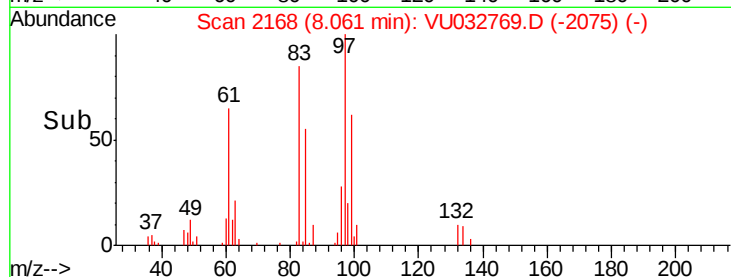
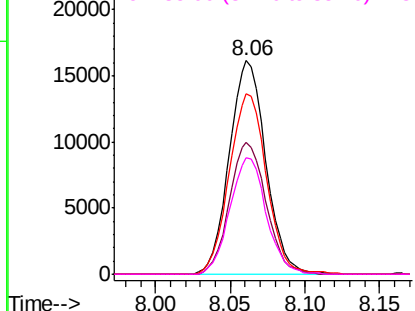
#45
 1,1,2-Trichloroethane
 Concen: 5.452 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion:	97	Resp:	27451
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.9	83.3
83	84.8	58.7	108.9
85	54.7	37.9	70.5

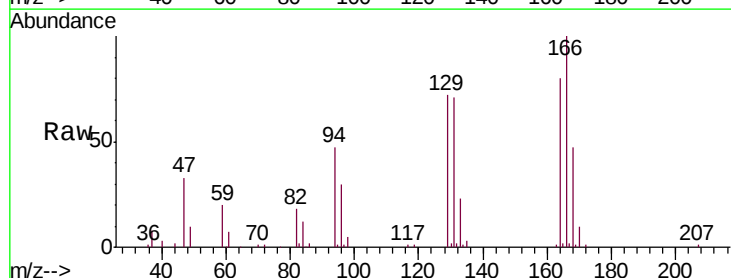


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

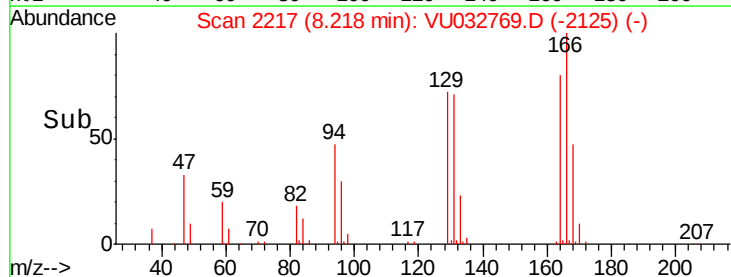
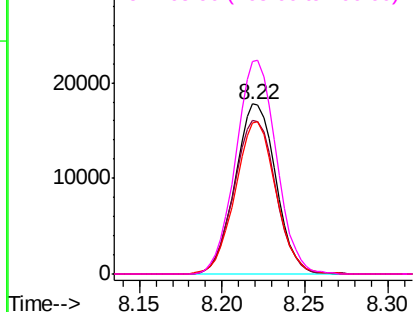


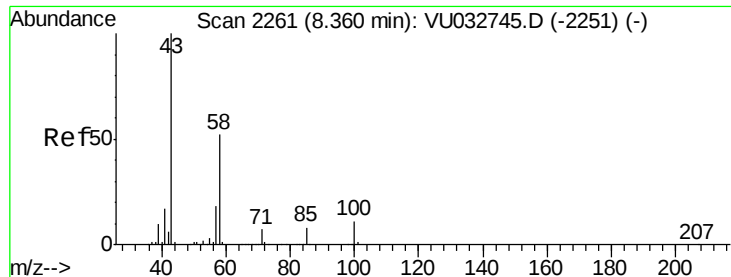
#47
 Tetrachloroethene
 Concen: 5.020 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Tgt Ion:	164	Resp:	30391
Ion	Ratio	Lower	Upper
164	100		
129	90.2	66.1	122.7
131	88.9	65.6	121.8
166	124.9	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

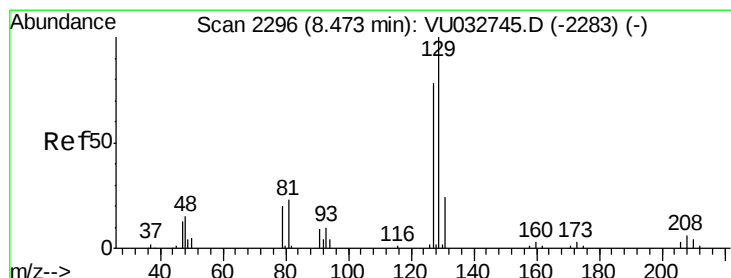
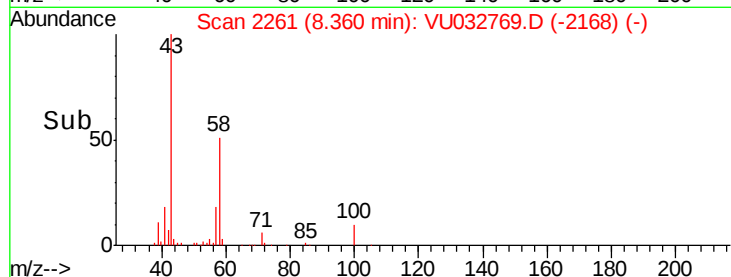
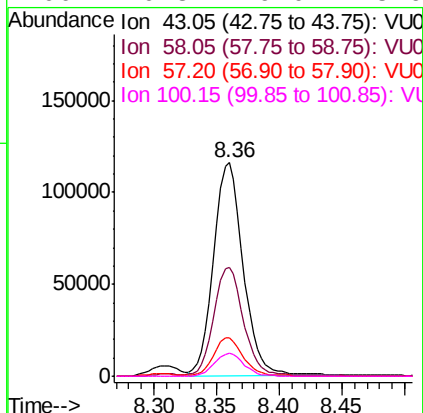
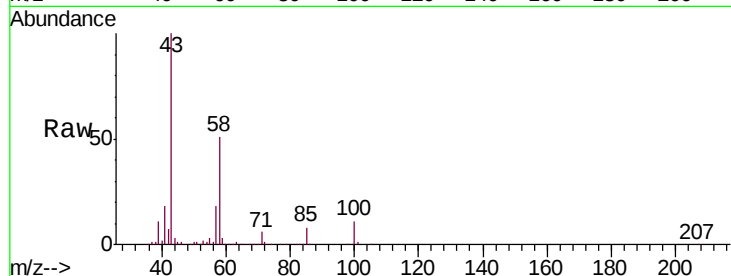




#48
2-Hexanone
Concen: 53.983 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU032769.D
Acq: 15 Jun 2019 11:22

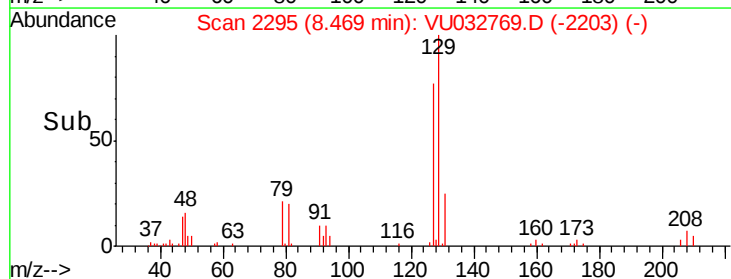
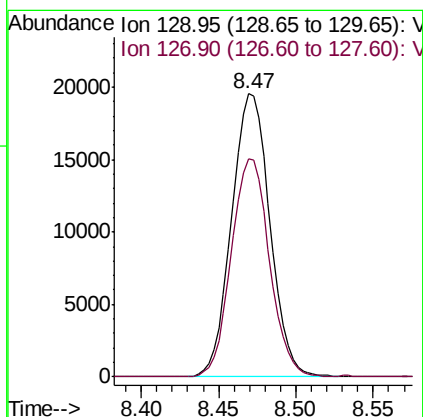
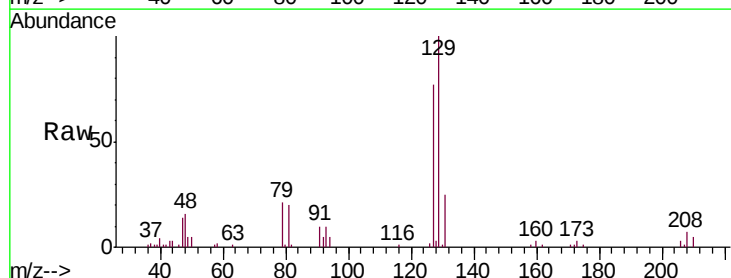
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

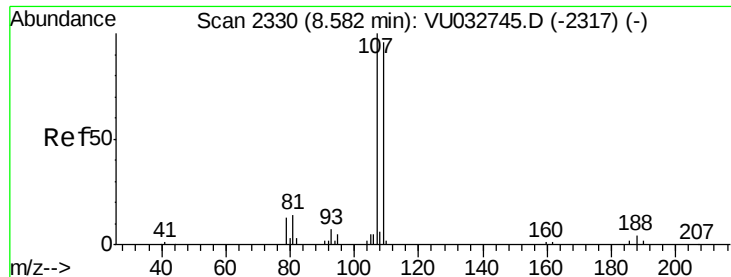
Tgt Ion:	43	Resp:	189980
Ion	Ratio	Lower	Upper
43	100		
58	52.0	41.9	62.9
57	18.2	15.1	22.7
100	10.8	9.0	13.6



#49
Dibromochloromethane
Concen: 5.230 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032769.D
Acq: 15 Jun 2019 11:22

Tgt Ion:	129	Resp:	33682
Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.3	98.9





#50

1,2-Dibromoethane

Concen: 5.206 ug/L

RT: 8.58 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

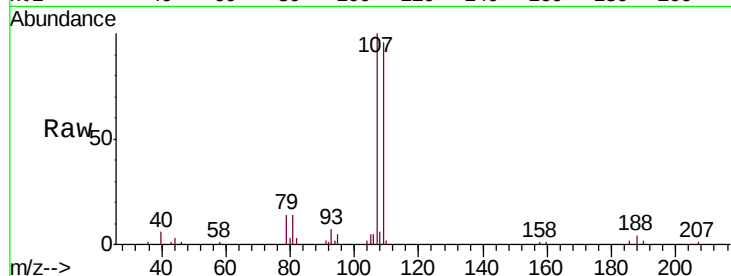
Tgt Ion:107 Resp: 26120

Ion Ratio Lower Upper

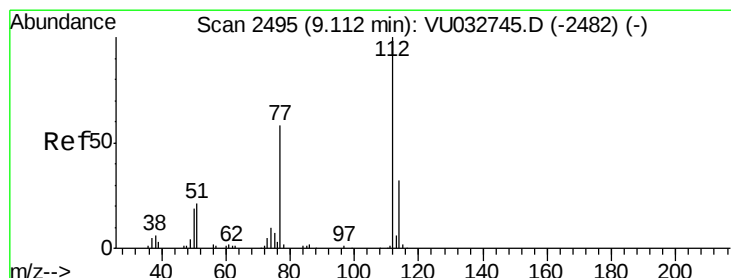
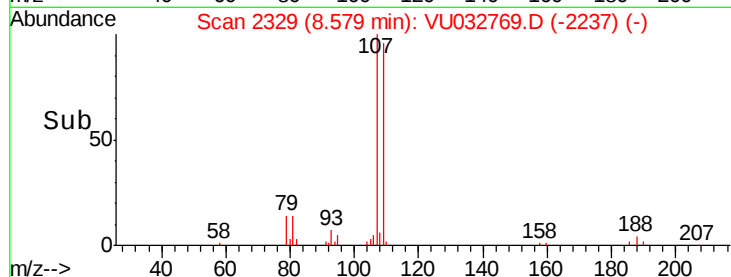
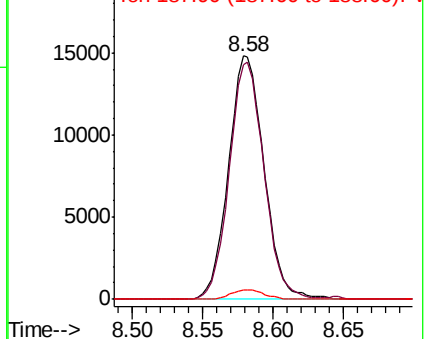
107 100

109 96.2 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: 4.999 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

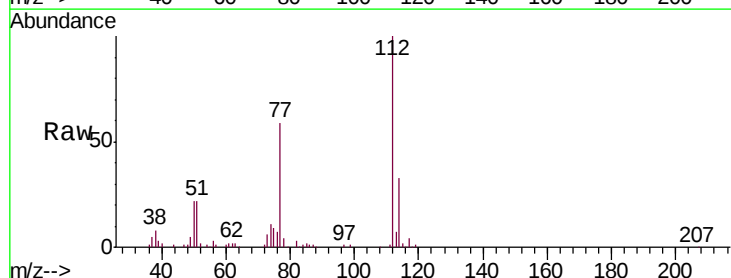
Tgt Ion:112 Resp: 93433

Ion Ratio Lower Upper

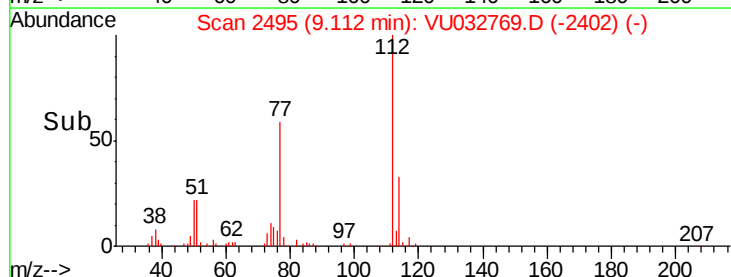
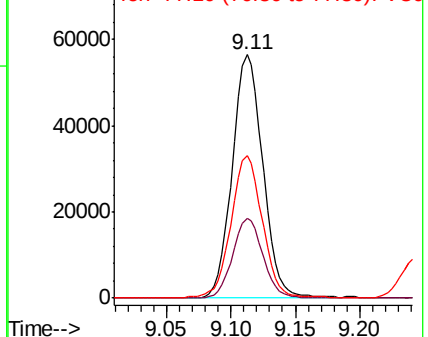
112 100

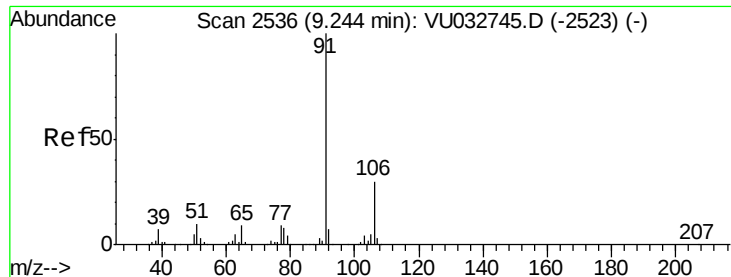
114 32.6 22.4 41.6

77 58.8 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): V





#52

Ethylbenzene

Concen: 4.861 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

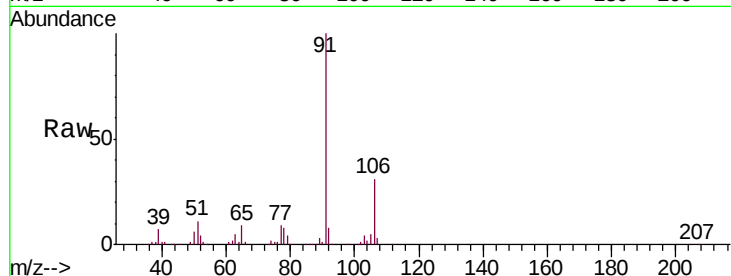
VSTD00527

Tgt Ion: 91 Resp: 159679

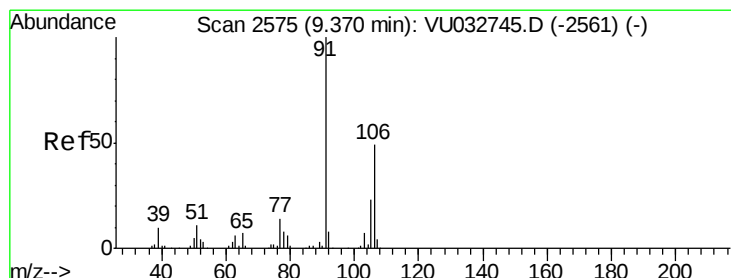
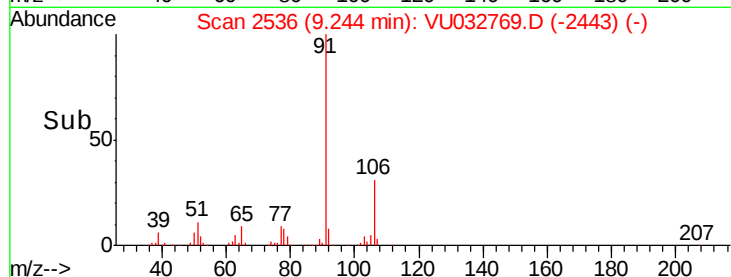
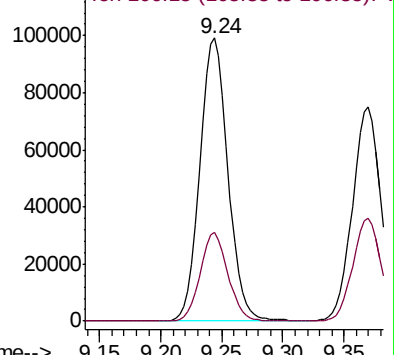
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032745.D (-2523) (-)



#53

m,p-Xylene

Concen: 4.734 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032769.D

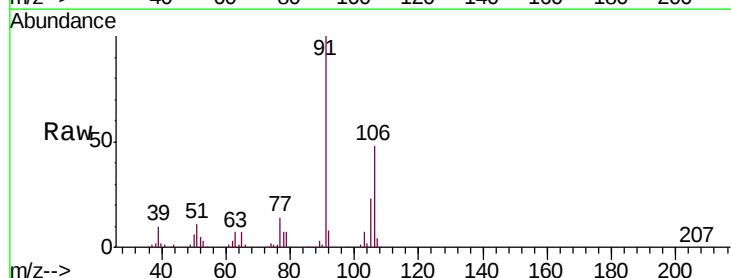
Acq: 15 Jun 2019 11:22

Tgt Ion: 106 Resp: 58954

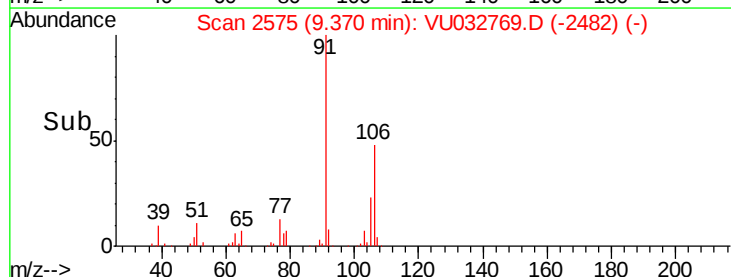
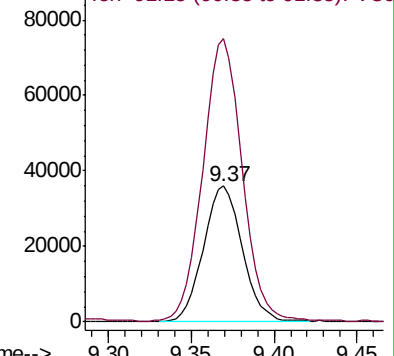
Ion Ratio Lower Upper

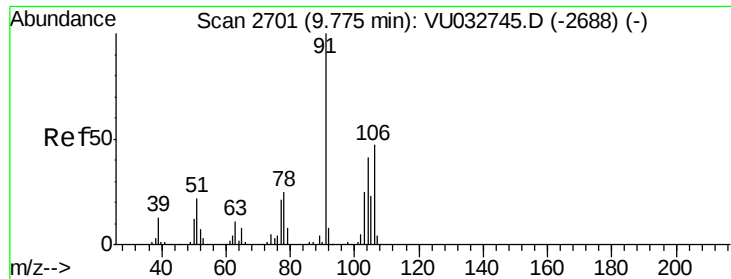
106 100

91 208.2 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032745.D (-2561) (-)

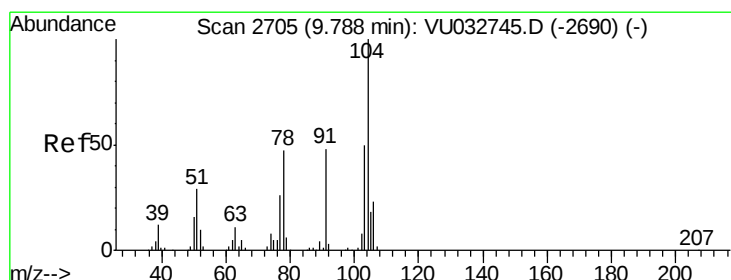
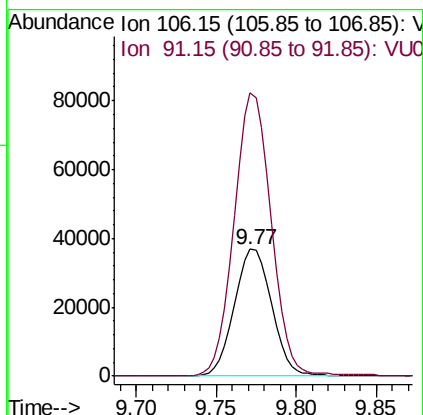
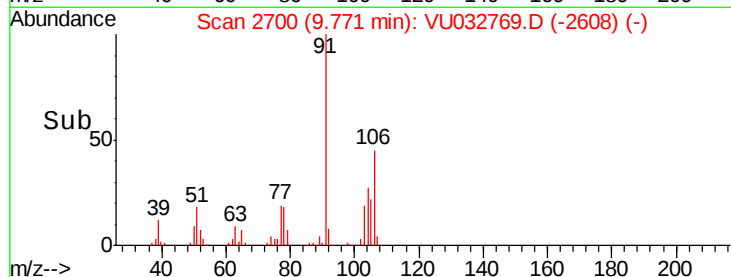
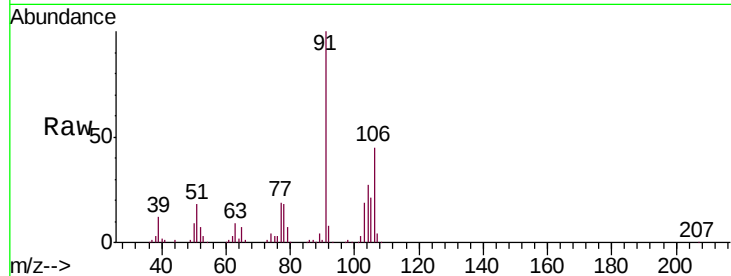




#54
o-Xylene
Concen: 4.729 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU032769.D
Acq: 15 Jun 2019 11:22

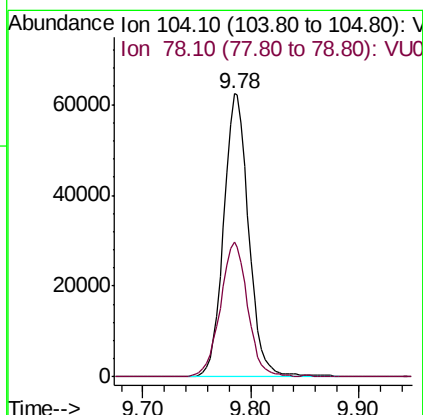
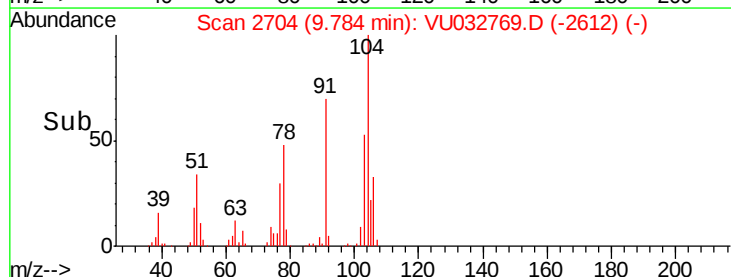
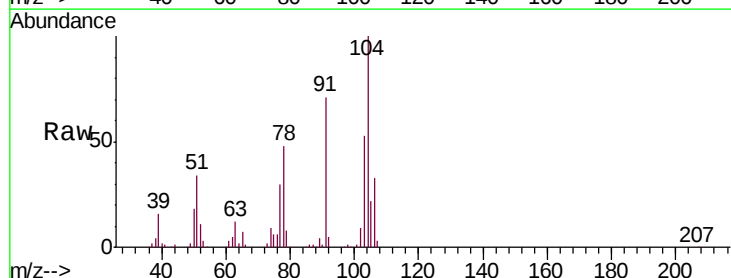
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

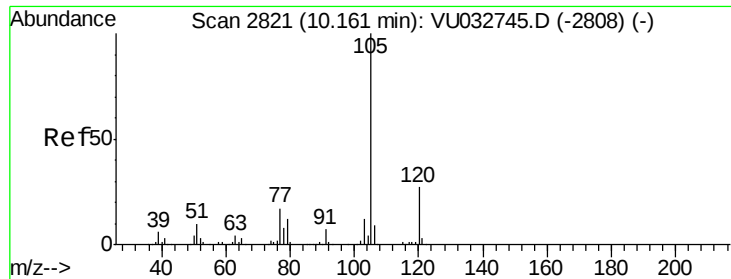
Tgt Ion:106 Resp: 58775
Ion Ratio Lower Upper
106 100
91 223.0 148.8 276.4



#55
Styrene
Concen: 4.945 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. -0.00 min
Lab File: VU032769.D
Acq: 15 Jun 2019 11:22

Tgt Ion:104 Resp: 101117
Ion Ratio Lower Upper
104 100
78 47.8 32.2 59.8





#56

Isopropylbenzene

Concen: 4.717 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

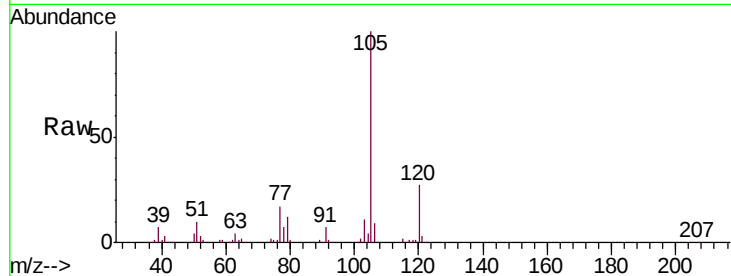
Tgt Ion: 105 Resp: 154667

Ion Ratio Lower Upper

105 100

120 26.6 21.6 32.4

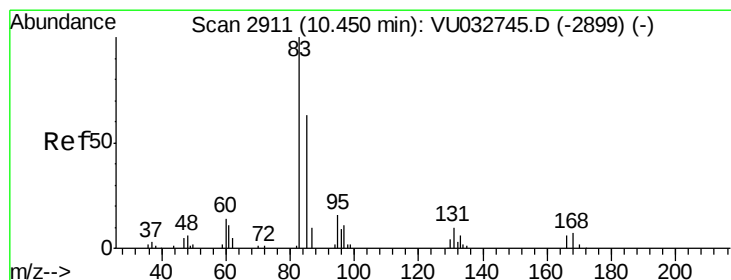
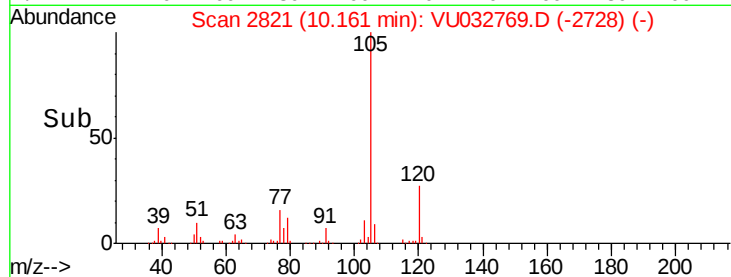
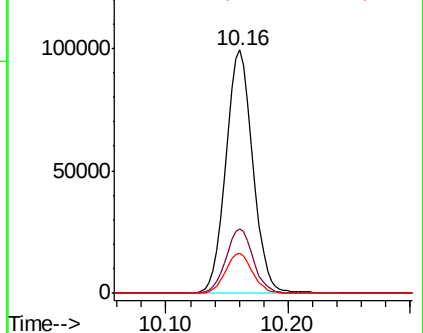
77 16.5 12.3 18.5



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: 5.523 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

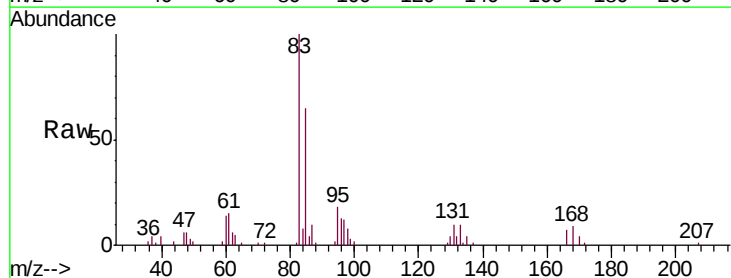
Tgt Ion: 83 Resp: 35565

Ion Ratio Lower Upper

83 100

85 64.7 45.7 84.9

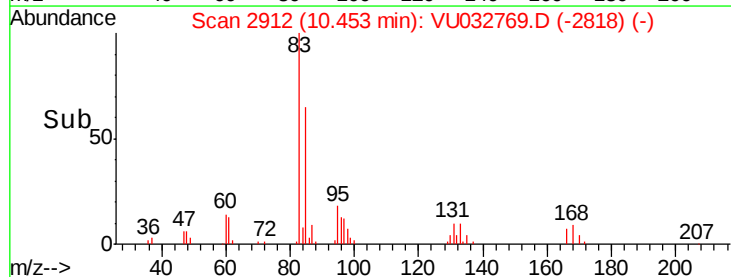
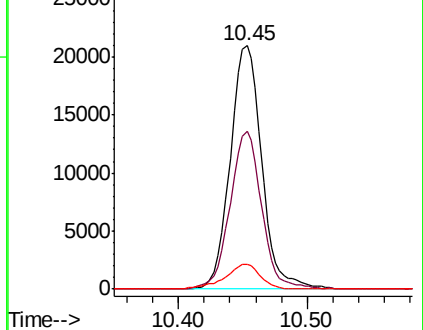
131 10.3 8.0 12.0

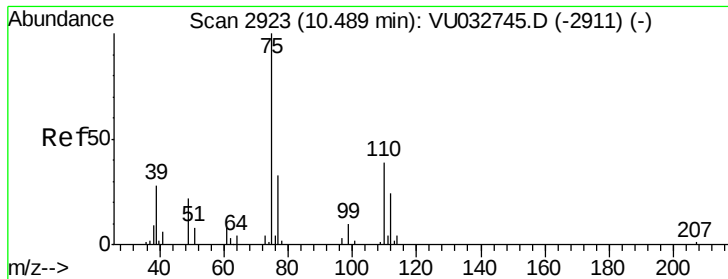


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

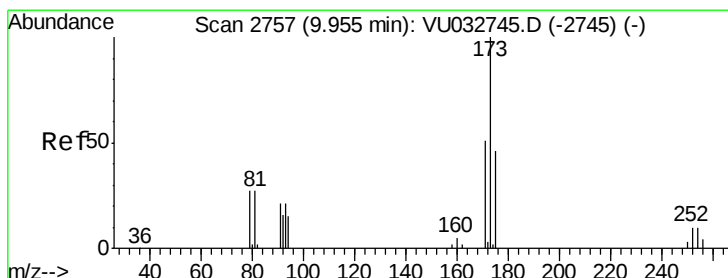
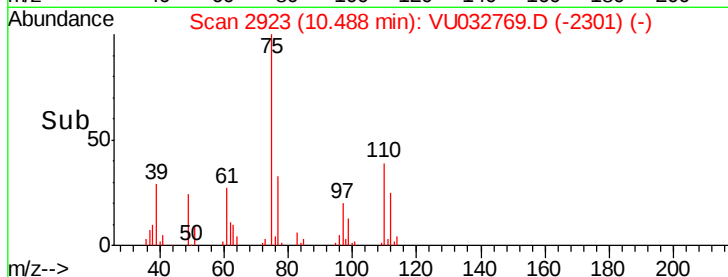
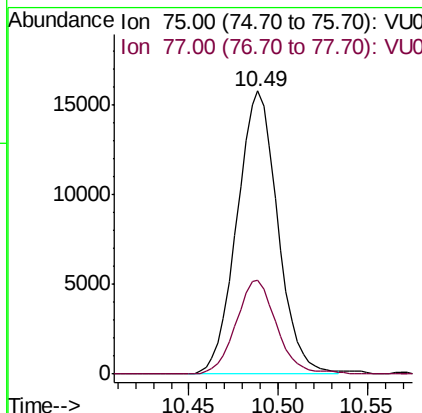
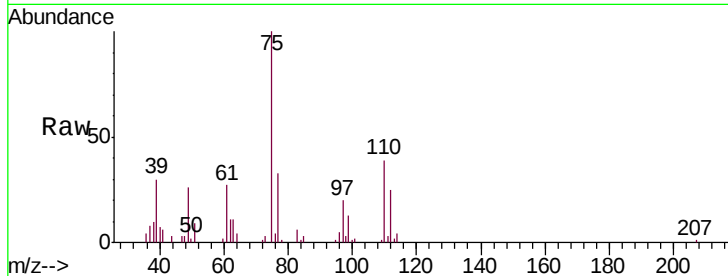




#59
 1,2,3-Trichloropropane
 Concen: 5.528 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

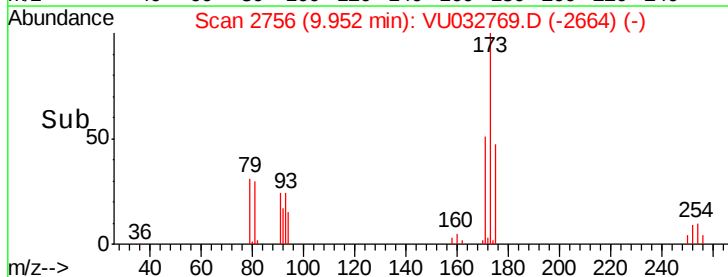
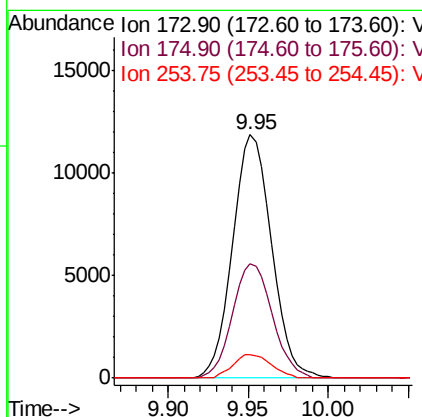
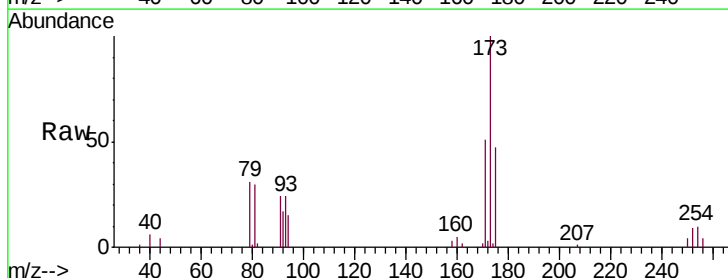
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

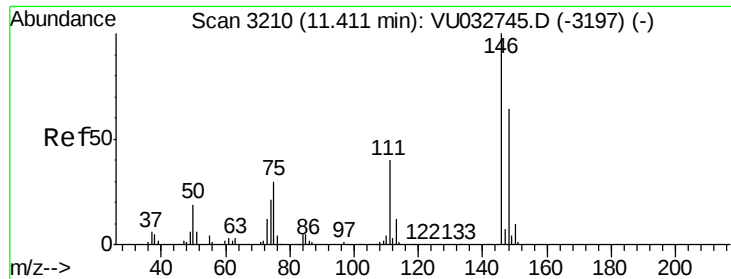
Tgt Ion: 75 Resp: 25120
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.3 37.9



#61
 Bromoform
 Concen: 4.997 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Tgt Ion: 173 Resp: 19755
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.9 56.9
 254 9.4 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.833 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

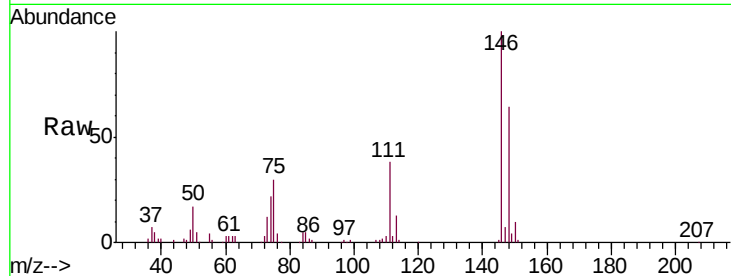
Tgt Ion:146 Resp: 77621

Ion Ratio Lower Upper

146 100

111 38.0 27.7 51.5

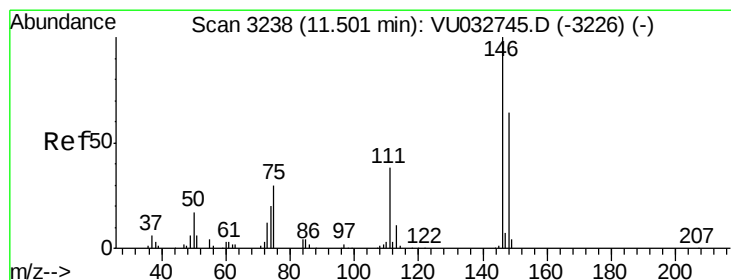
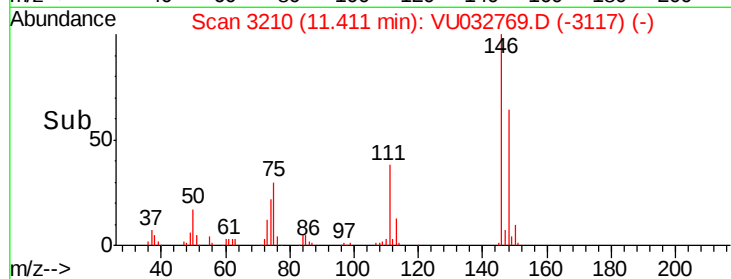
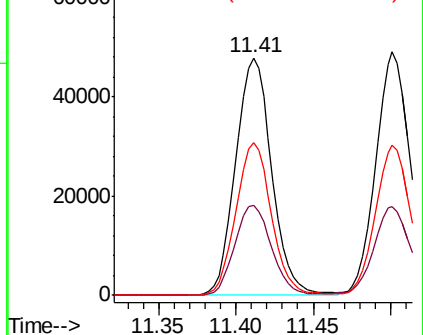
148 64.4 44.7 83.1



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: 4.800 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

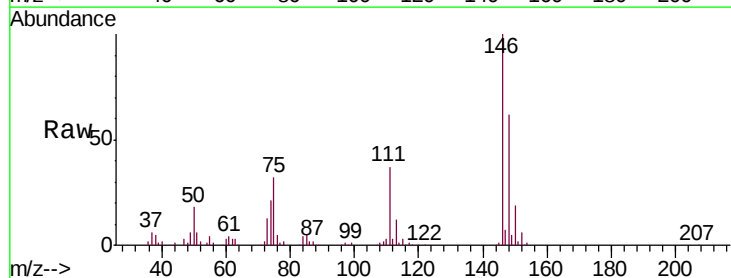
Tgt Ion:146 Resp: 78372

Ion Ratio Lower Upper

146 100

111 36.7 26.2 48.6

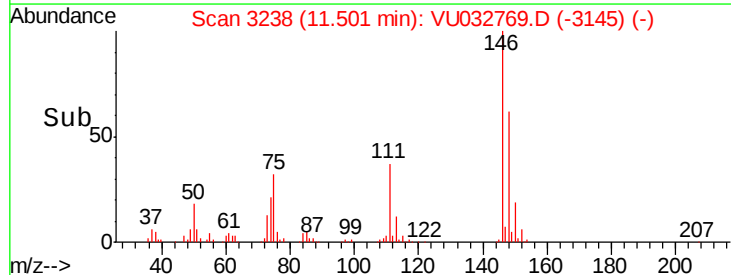
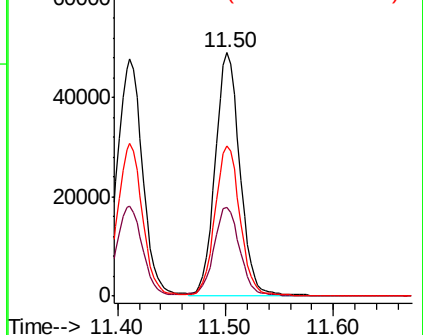
148 61.8 43.9 81.5

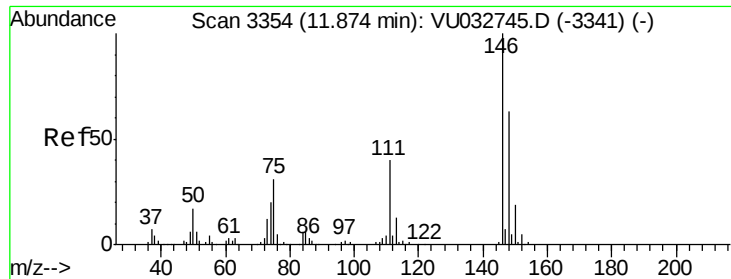


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

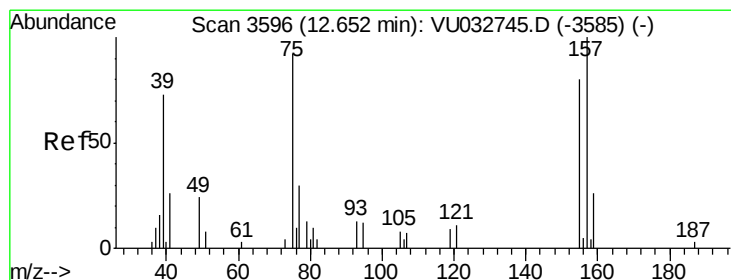
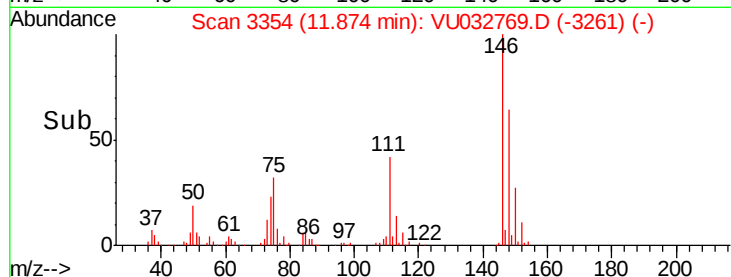
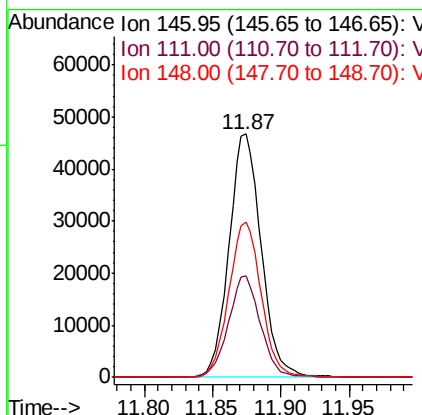
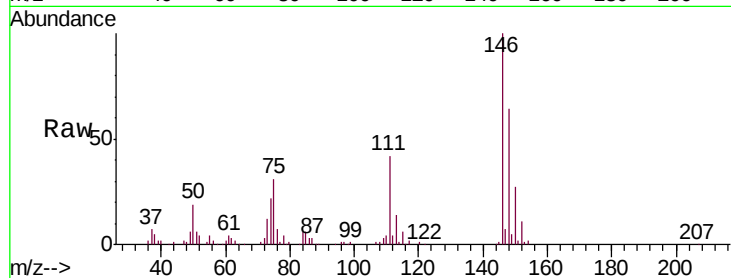




#65
 1,2-Dichlorobenzene
 Concen: 4.925 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

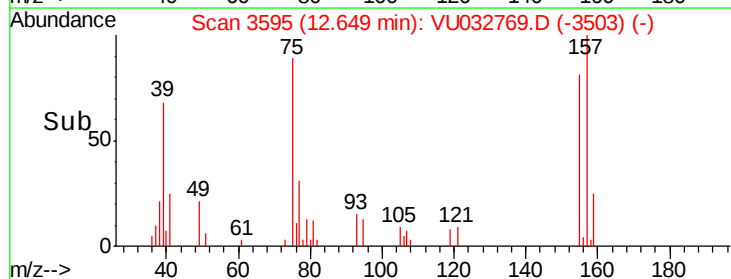
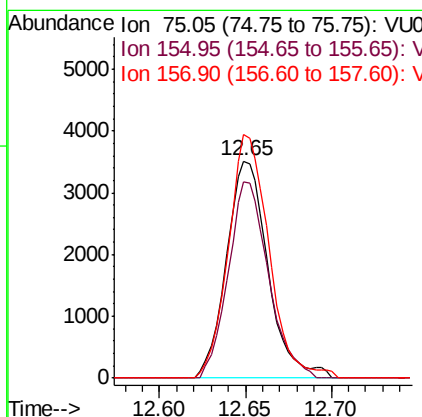
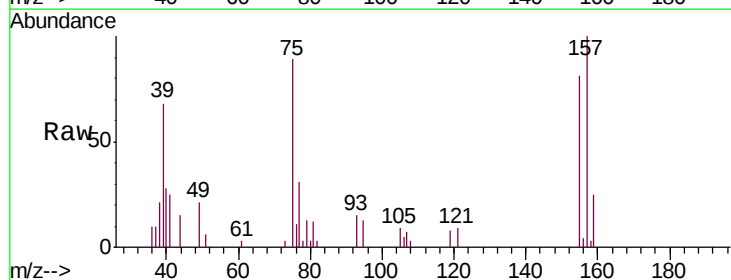
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

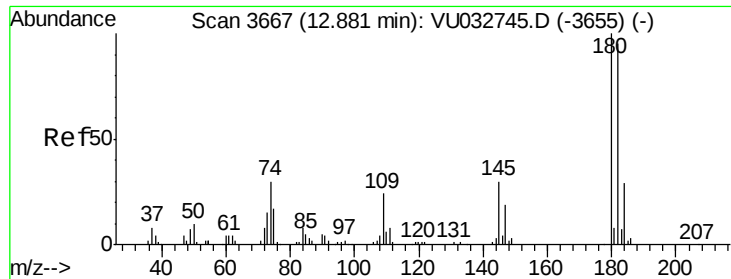
Tgt Ion: 146 Resp: 76432
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.0 49.4
 148 64.0 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.404 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Tgt Ion: 75 Resp: 5889
 Ion Ratio Lower Upper
 75 100
 155 90.4 72.3 108.5
 157 112.3 87.4 131.0

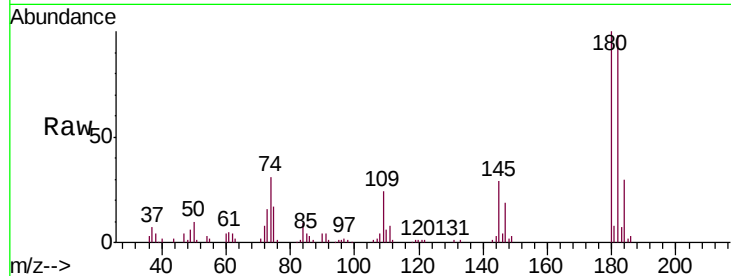




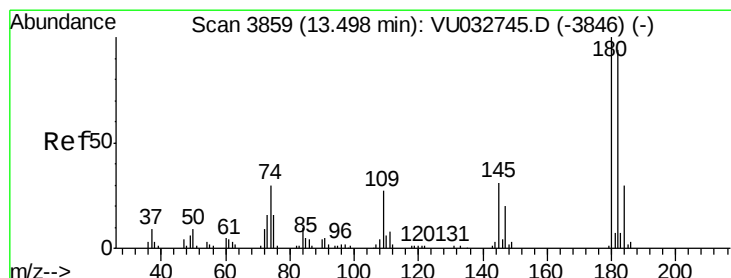
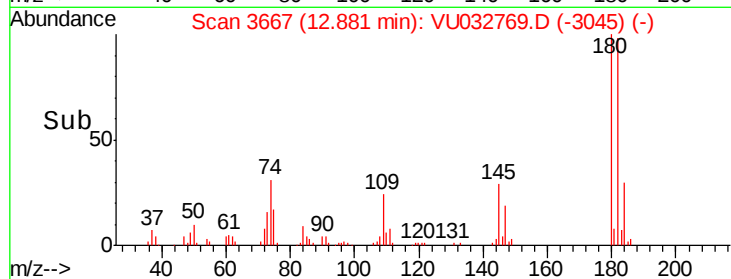
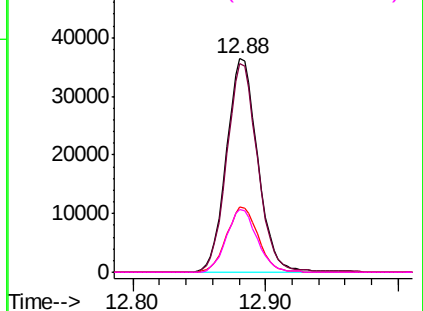
#67
 1,3,5-Trichlorobenzene
 Concen: 4.646 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion:180 Resp: 59805
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.6 115.0
 184 30.5 24.2 36.4
 145 29.0 23.5 35.3

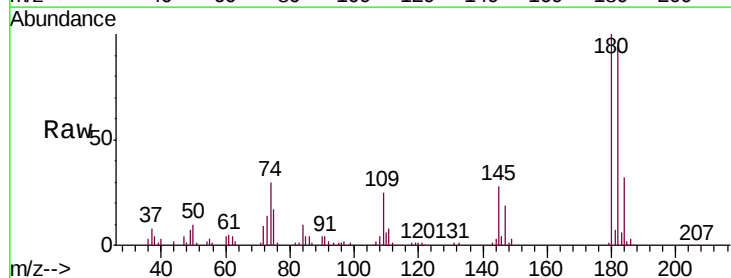


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

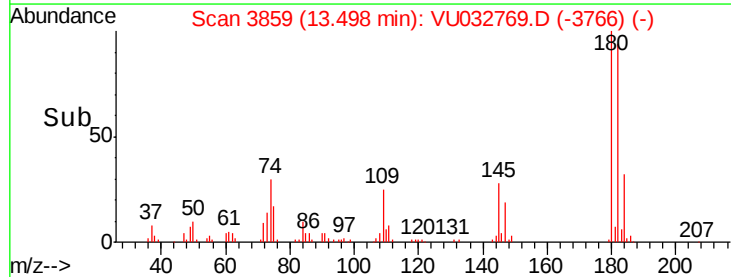
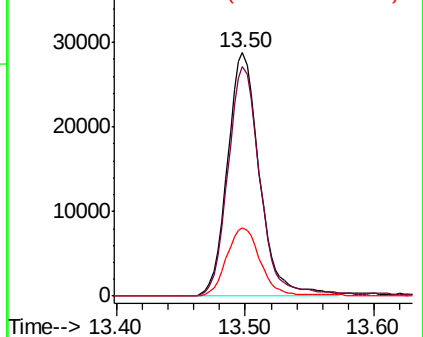


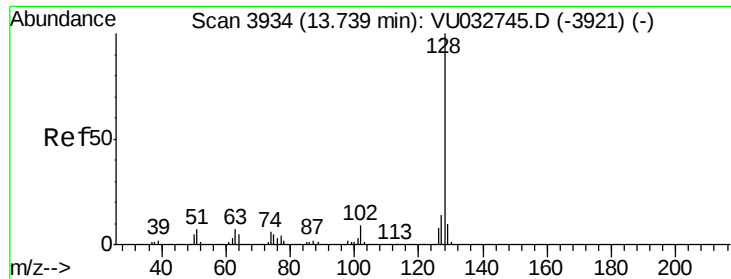
#68
 1,2,4-trichlorobenzene
 Concen: 4.791 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032769.D
 Acq: 15 Jun 2019 11:22

Tgt Ion:180 Resp: 49734
 Ion Ratio Lower Upper
 180 100
 182 94.9 74.8 112.2
 145 29.2 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: 4.878 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

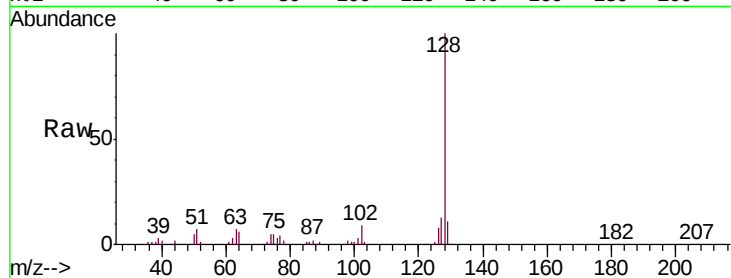
Tgt Ion:128 Resp: 88765

Ion Ratio Lower Upper

128 100

129 9.7 8.1 12.1

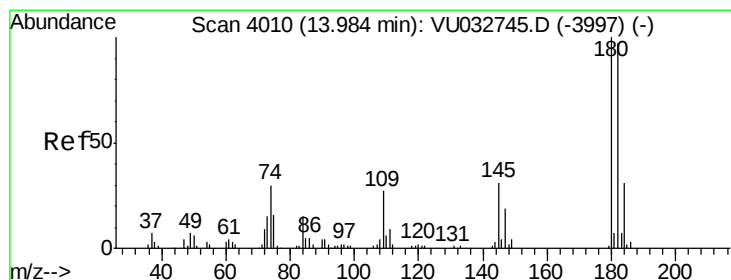
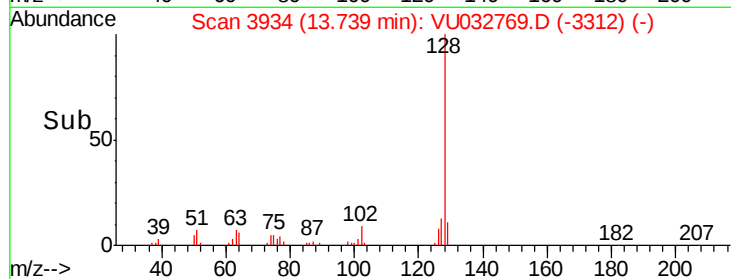
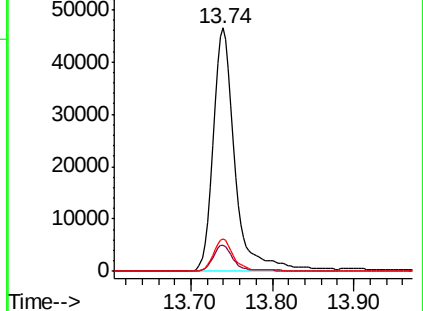
127 12.3 10.4 15.6



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: 4.728 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032769.D

Acq: 15 Jun 2019 11:22

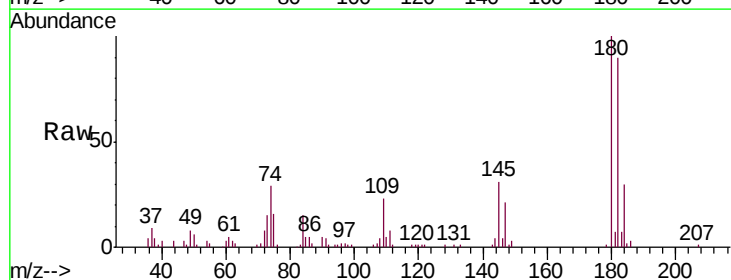
Tgt Ion:180 Resp: 48866

Ion Ratio Lower Upper

180 100

182 95.3 73.8 110.6

145 31.6 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

