

Data File : VU033057.D
Acq On : 27 Jun 2019 11:17
Operator : JC/SP
Sample : VSTD02005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Quant Time: Jun 28 01:37:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 28 01:32:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	95535	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	98338	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	55552	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	127060	19.98	ug/L	0.00
7) Chloroethane-d5	1.67	69	103879	19.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	278735	20.20	ug/L	0.00
20) 2-Butanone-d5	4.18	46	420871	218.01	ug/L	0.00
24) Chloroform-d	4.64	84	264747	20.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	147408	19.53	ug/L	0.00
32) Benzene-d6	5.33	84	501140	20.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	160961	20.33	ug/L	0.00
41) Toluene-d8	7.56	98	487484	20.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	74351	22.43	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	342219	248.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	146140	21.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	207241	19.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	192719	19.595 ug/L	98
3) Chloromethane	1.32	50	181076	19.547 ug/L	100
5) Vinyl chloride	1.40	62	181875	19.463 ug/L	99
6) Bromomethane	1.61	94	100640	20.546 ug/L	99
8) Chloroethane	1.68	64	106372	19.648 ug/L	99
9) Trichlorofluoromethane	1.88	101	262143	19.795 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	133882	19.535 ug/L	99
12) 1,1-Dichloroethene	2.28	96	124229	19.536 ug/L	98
13) Acetone	2.32	43	306828	188.602 ug/L	98
14) Carbon disulfide	2.47	76	411035	19.427 ug/L	99
15) Methyl Acetate	2.61	43	72213	19.188 ug/L	99
16) Methylene chloride	2.69	84	136421	18.709 ug/L	98
17) Methyl tert-butyl Ether	3.00	73	354246	19.857 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	134679	19.348 ug/L	97
19) 1,1-Dichloroethane	3.43	63	268153	19.602 ug/L	98
21) 2-Butanone	4.27	43	467382	204.091 ug/L	99
22) cis-1,2-Dichloroethene	4.21	96	153499	20.300 ug/L	97
23) Bromochloromethane	4.54	128	68364	20.376 ug/L	99
25) Chloroform	4.67	83	275557	19.820 ug/L	97
27) 1,2-Dichloroethane	5.40	62	192057	20.172 ug/L	97
29) 1,1,1-Trichloroethane	4.90	97	243850	19.518 ug/L	99
30) Cyclohexane	4.98	56	241458	20.860 ug/L	99
31) Carbon tetrachloride	5.12	117	223607	19.672 ug/L	98
33) Benzene	5.38	78	573737	19.790 ug/L	100
34) Trichloroethene	6.18	95	154786	19.496 ug/L	99
35) Methylcyclohexane	6.40	83	251830	21.304 ug/L	97
37) 1,2-Dichloropropane	6.42	63	154172	19.829 ug/L	98
38) Bromodichloromethane	6.75	83	200608	19.569 ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	240578	21.222 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1150033	214.608 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	636285	20.546	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	200098	21.658	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	108339	19.871	ug/L	99
47) Tetrachloroethene	8.22	164	130679	20.461	ug/L	98
48) 2-Hexanone	8.36	43	841859	219.538	ug/L	99
49) Dibromochloromethane	8.47	129	145380	21.017	ug/L	99
50) 1,2-Dibromoethane	8.58	107	108737	20.457	ug/L	99
51) Chlorobenzene	9.11	112	407839	19.934	ug/L	99
52) Ethylbenzene	9.24	91	726785	21.317	ug/L	99
53) m,p-Xylene	9.37	106	272565	22.025	ug/L	100
54) o-Xylene	9.77	106	268008	22.221	ug/L	99
55) Styrene	9.78	104	467841	22.916	ug/L	98
56) Isopropylbenzene	10.16	105	731191	22.333	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	147816	20.900	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	108249	20.804	ug/L	100
61) Bromoform	9.95	173	87335	20.653	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	349708	20.132	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	356071	19.646	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	339512	20.150	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	27015	23.315	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	285198	20.598	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	246350	24.896	ug/L	96
69) Naphthalene	13.74	128	416428	31.568	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	226624	23.358	ug/L	97

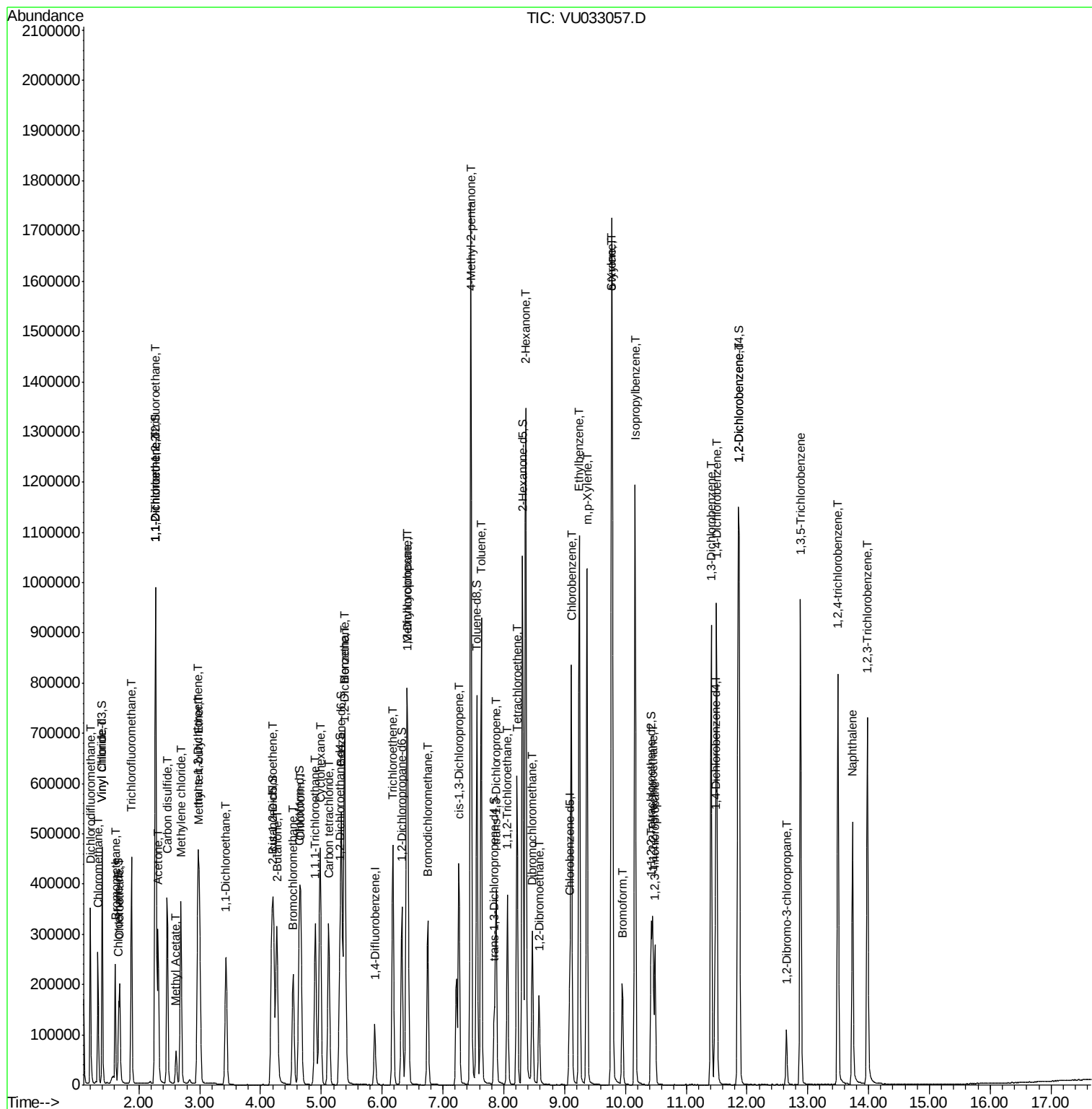
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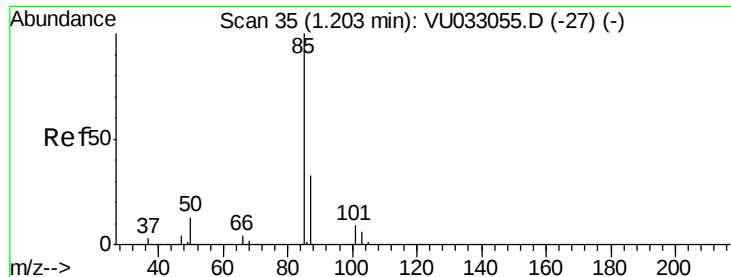
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#2

Dichlorodifluoromethane

Concen: 19.595 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

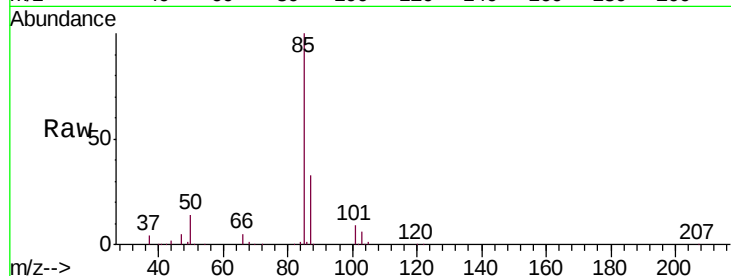
VSTD02005

Tgt Ion: 85 Resp: 192719

Ion Ratio Lower Upper

85 100

87 33.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033055.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU033055.D (-27) (-)

1.20

200000

150000

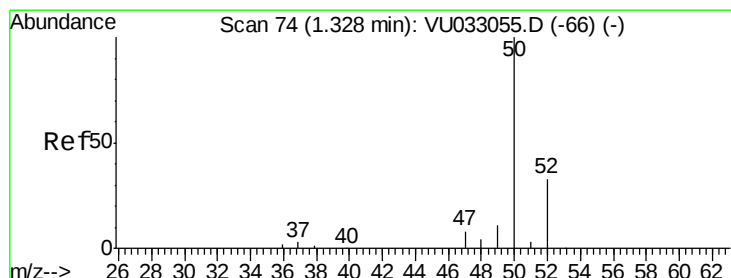
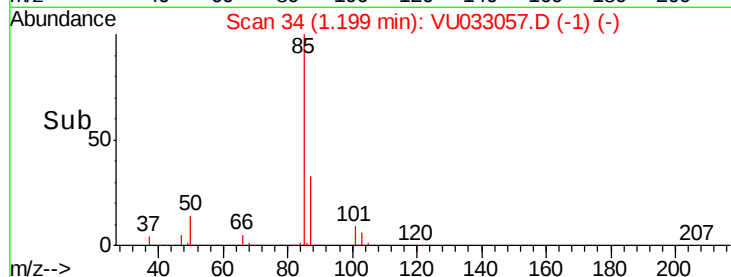
100000

50000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 19.547 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033057.D

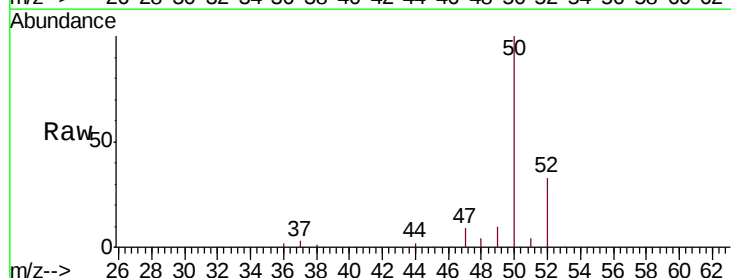
Acq: 27 Jun 2019 11:17

Tgt Ion: 50 Resp: 181076

Ion Ratio Lower Upper

50 100

52 32.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU033055.D (-66) (-)

Ion 52.05 (51.75 to 52.75): VU033055.D (-66) (-)

1.32

150000

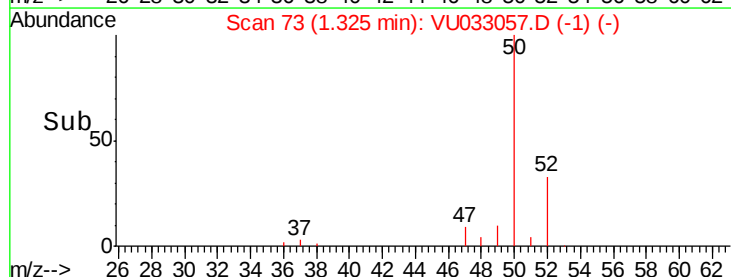
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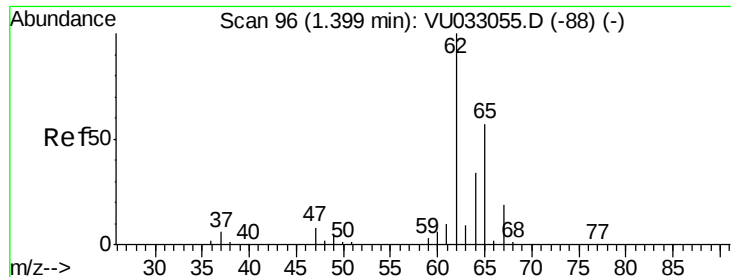
50000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 19.463 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

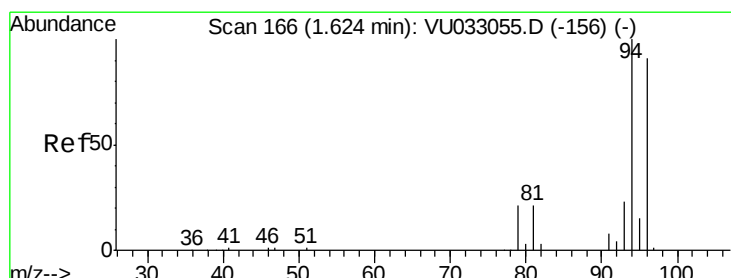
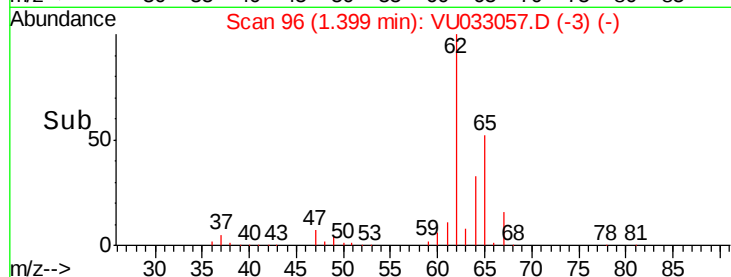
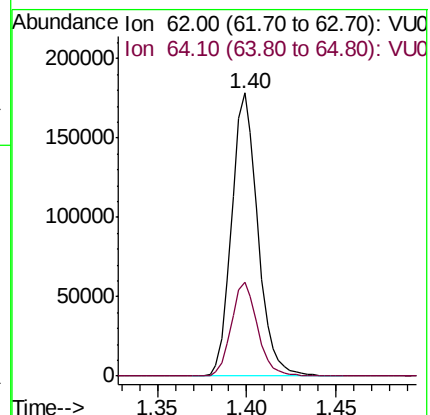
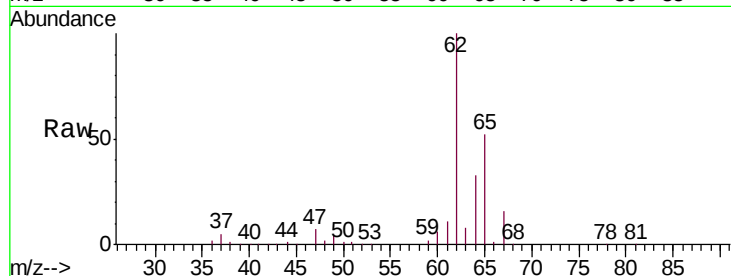
VSTD02005

Tgt Ion: 62 Resp: 181875

Ion Ratio Lower Upper

62 100

64 33.2 23.7 43.9



#6

Bromomethane

Concen: 20.546 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU033057.D

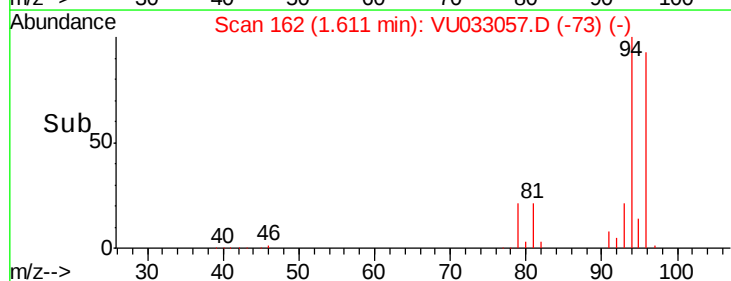
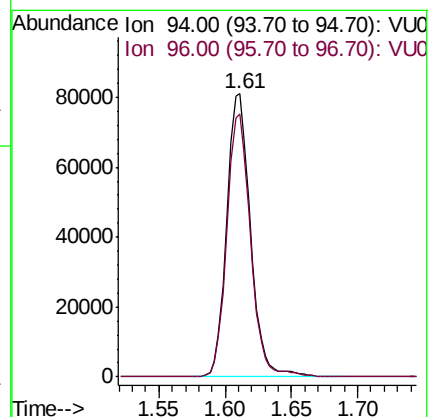
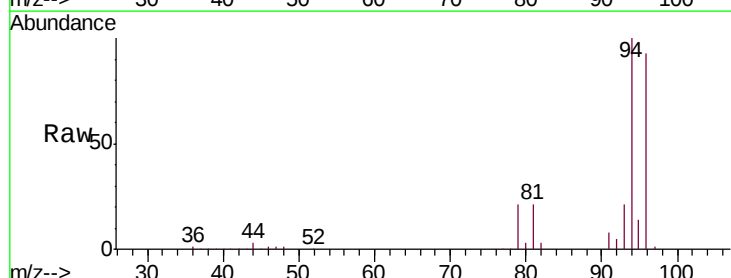
Acq: 27 Jun 2019 11:17

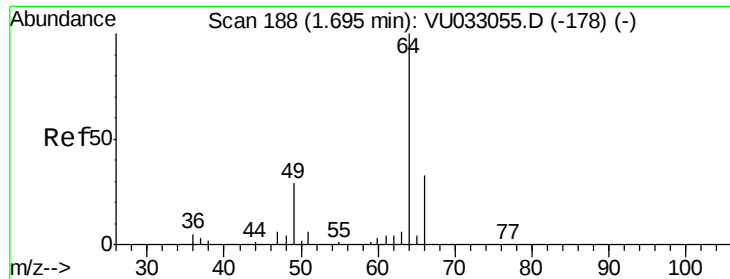
Tgt Ion: 94 Resp: 100640

Ion Ratio Lower Upper

94 100

96 92.8 64.0 119.0





#8

Chloroethane

Concen: 19.648 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

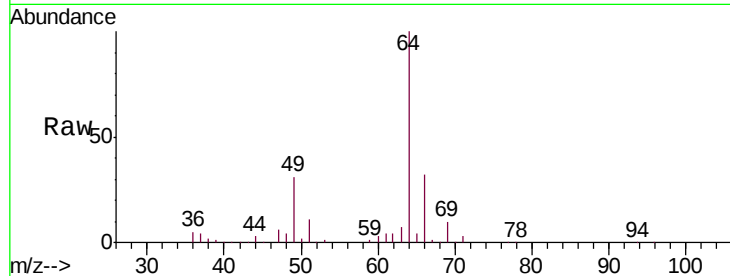
VSTD02005

Tgt Ion: 64 Resp: 106372

Ion Ratio Lower Upper

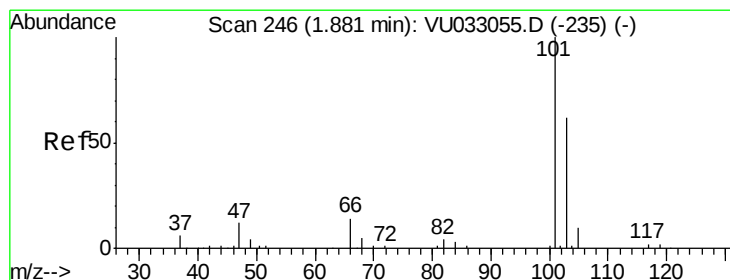
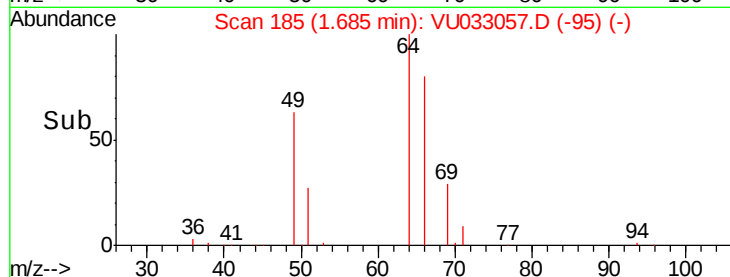
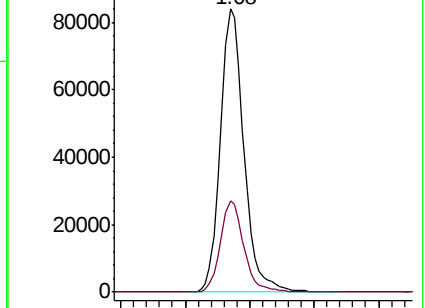
64 100

66 32.2 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VU033055.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU033057.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 19.795 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU033057.D

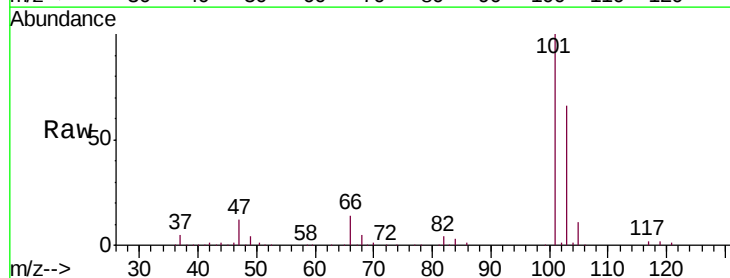
Acq: 27 Jun 2019 11:17

Tgt Ion: 101 Resp: 262143

Ion Ratio Lower Upper

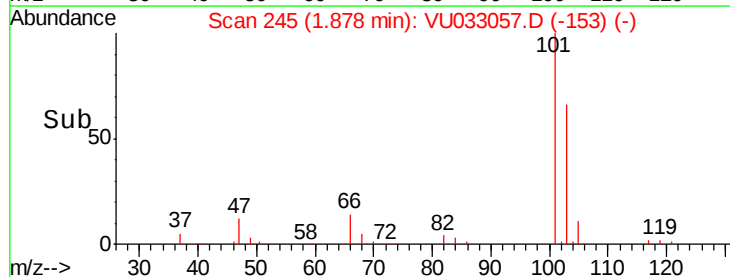
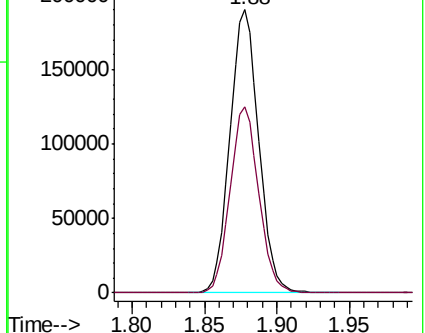
101 100

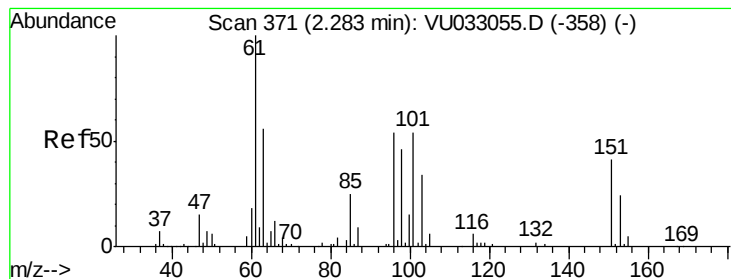
103 65.3 50.1 75.1



Abundance Ion 101.00 (100.70 to 101.70): VU033055.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU033057.D (-153) (-)





#10

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

Concen: 19.535 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

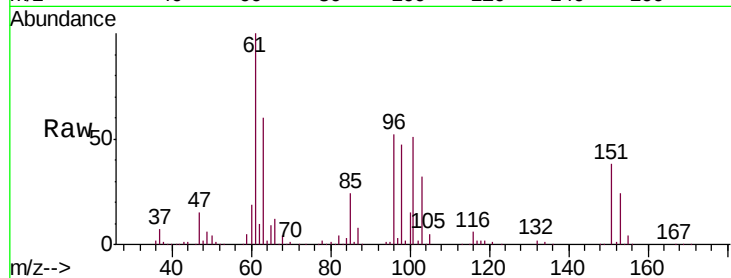
Tgt Ion: 101 Resp: 133882

Ion Ratio Lower Upper

101 100

85 47.6 37.1 55.7

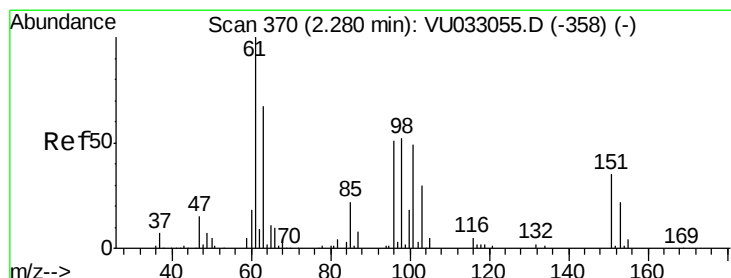
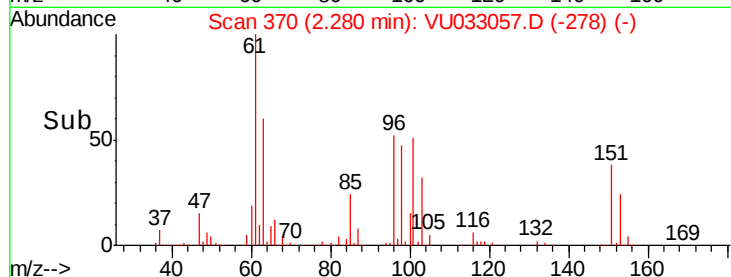
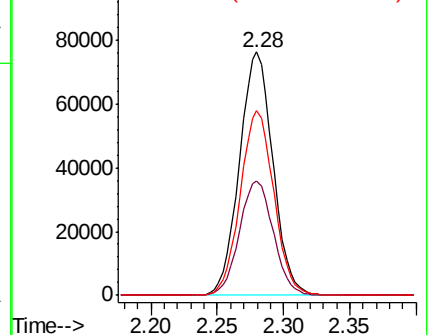
151 75.8 61.0 91.4



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: 19.536 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

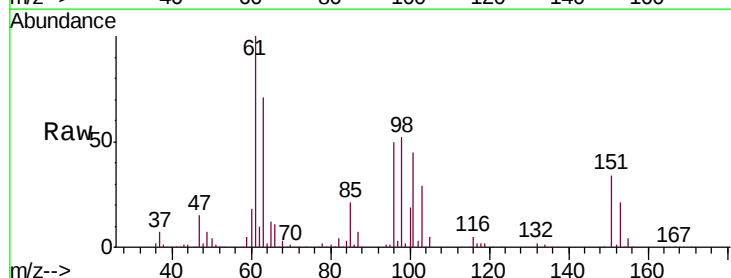
Tgt Ion: 96 Resp: 124229

Ion Ratio Lower Upper

96 100

61 198.0 137.6 255.6

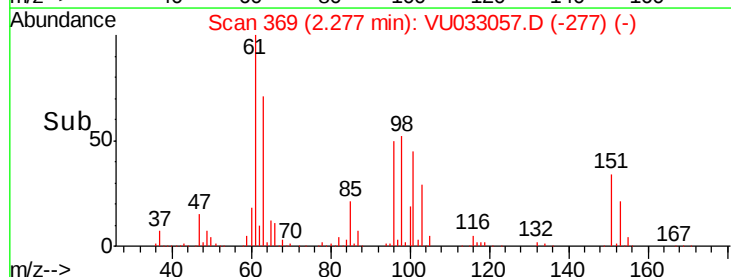
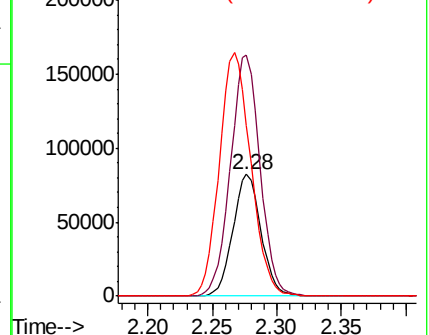
63 140.3 94.4 175.2

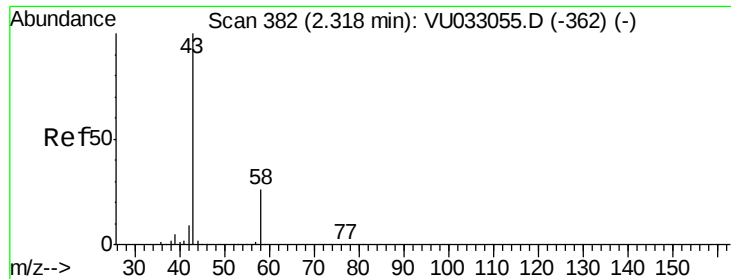


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 188.602 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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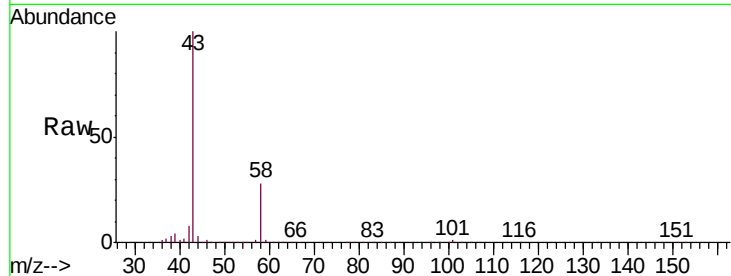
VSTD02005

Tgt Ion: 43 Resp: 306828

Ion Ratio Lower Upper

43 100

58 26.7 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VU033057.D (-362) (-)

Ion 58.05 (57.75 to 58.75): VU033057.D (-362) (-)

2.32

200000

150000

100000

50000

0

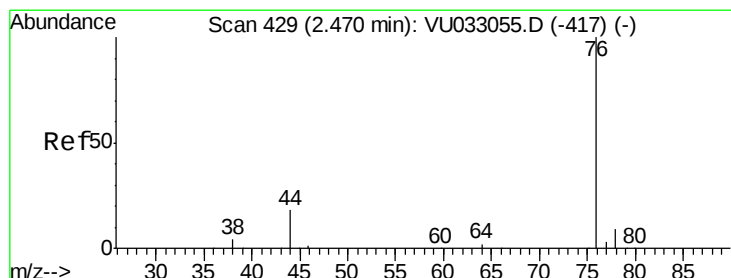
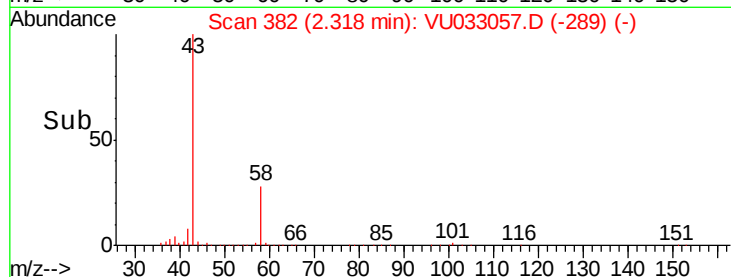
Time-->

2.20

2.30

2.40

2.50



#14

Carbon disulfide

Concen: 19.427 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU033057.D

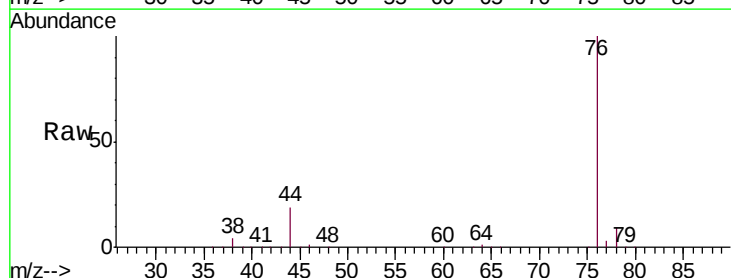
Acq: 27 Jun 2019 11:17

Tgt Ion: 76 Resp: 411035

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU033057.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033057.D (-417) (-)

2.47

300000

250000

200000

150000

100000

50000

0

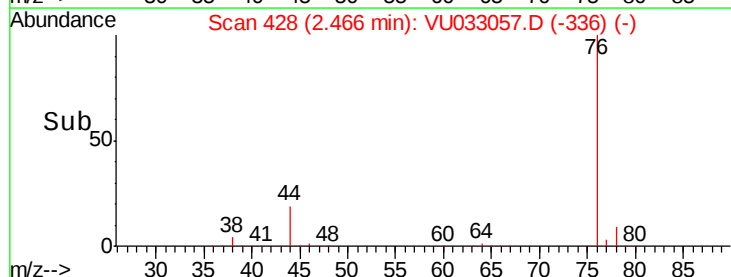
Time-->

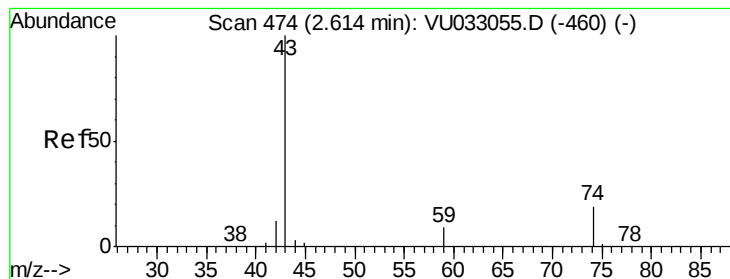
2.40

2.45

2.50

2.55





#15

Methyl Acetate

Concen: 19.188 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

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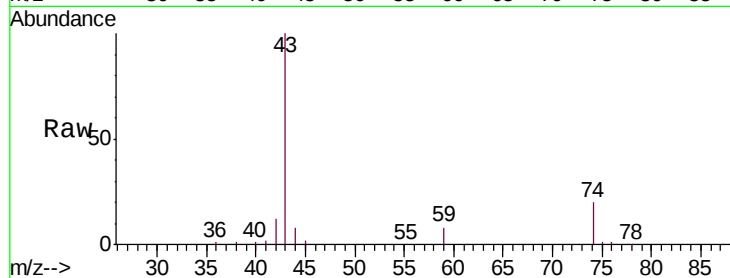
VSTD02005

Tgt Ion: 43 Resp: 72213

Ion Ratio Lower Upper

43 100

74 20.7 16.1 24.1

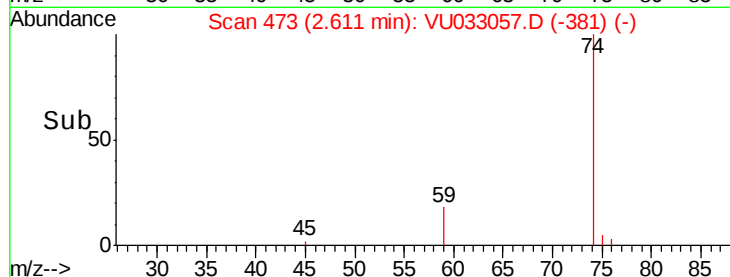


Abundance Ion 43.05 (42.75 to 43.75): VU033057.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU033057.D (-460) (-)

2.61

Time-->



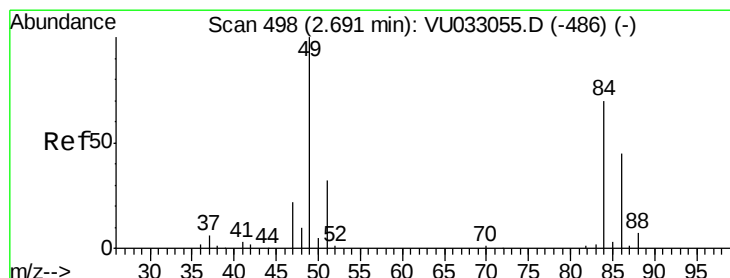
Abundance

Ion 43.05 (42.75 to 43.75): VU033057.D (-460) (-)

Ion 74.05 (73.75 to 74.75): VU033057.D (-460) (-)

2.61

Time-->



#16

Methylene chloride

Concen: 18.709 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

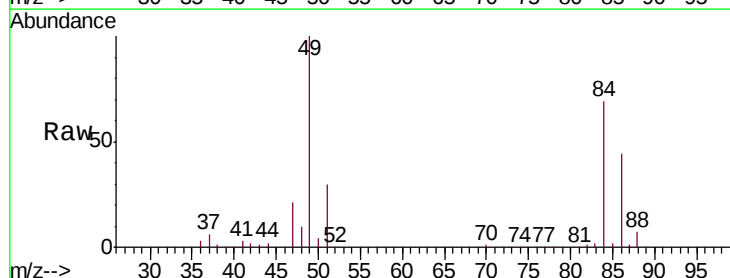
Tgt Ion: 84 Resp: 136421

Ion Ratio Lower Upper

84 100

86 63.9 44.7 82.9

49 145.6 99.7 185.1



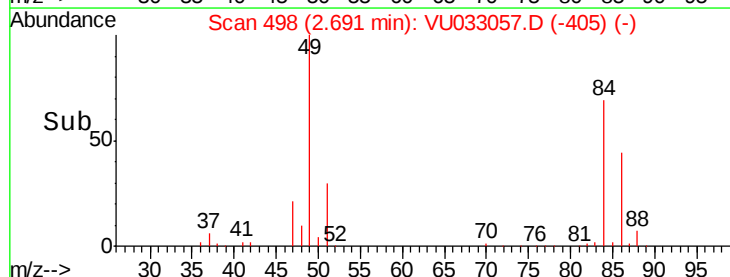
Abundance Ion 84.05 (83.75 to 84.75): VU033057.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU033057.D (-486) (-)

Ion 49.10 (48.80 to 49.80): VU033057.D (-486) (-)

2.69

Time-->



Abundance

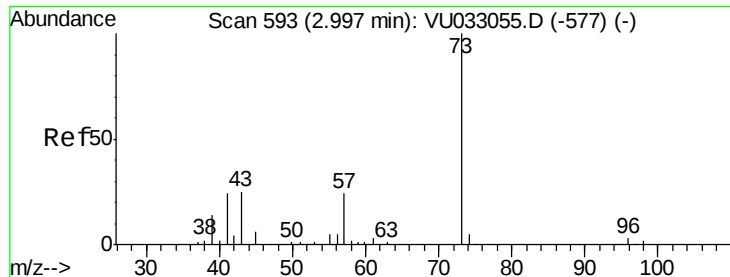
Ion 84.05 (83.75 to 84.75): VU033057.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU033057.D (-486) (-)

Ion 49.10 (48.80 to 49.80): VU033057.D (-486) (-)

2.69

Time-->

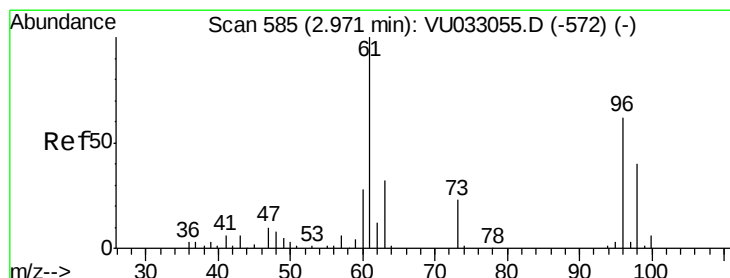
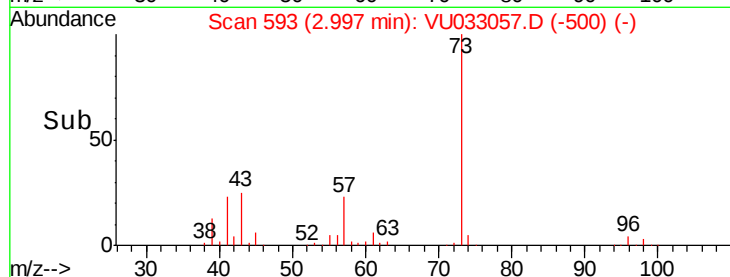
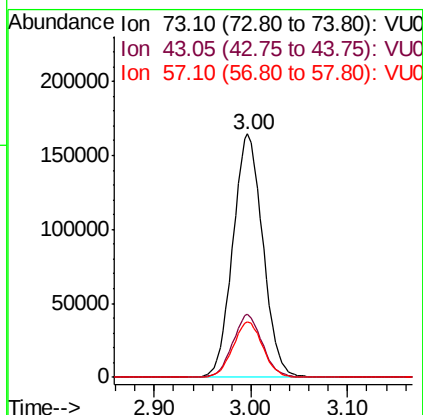
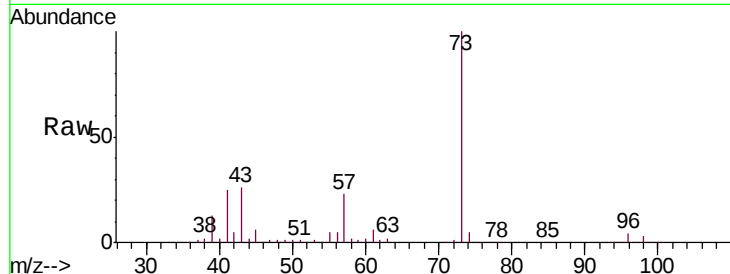


#17

Methyl tert-butyl Ether
 Concen: 19.857 ug/L
 RT: 3.00 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

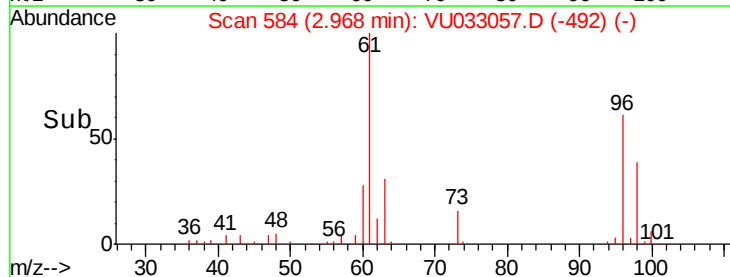
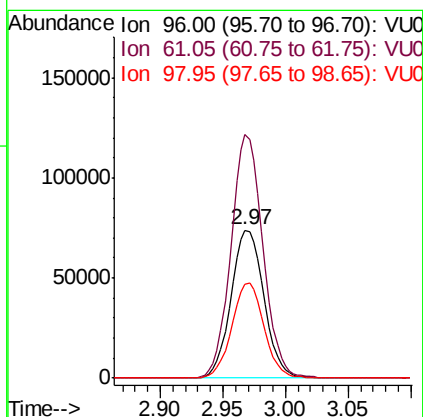
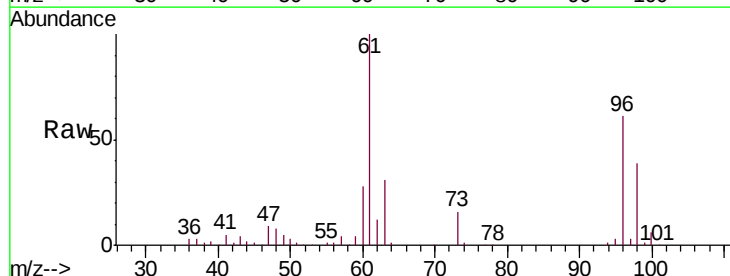
Tgt Ion:	73	Resp:	354246
Ion	Ratio	Lower	Upper
73	100		
43	25.3	20.2	30.2
57	22.8	18.5	27.7

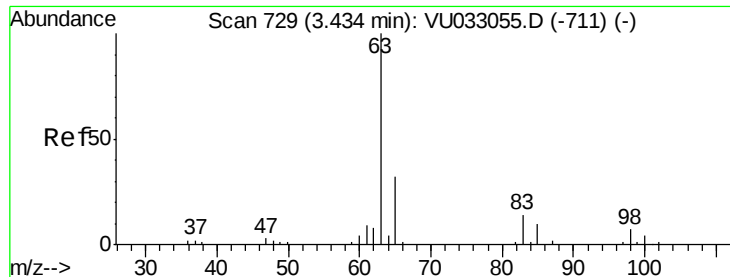


#18

trans-1,2-Dichloroethene
 Concen: 19.348 ug/L
 RT: 2.97 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Tgt Ion:	96	Resp:	134679
Ion	Ratio	Lower	Upper
96	100		
61	164.8	112.2	208.4
98	63.9	45.4	84.4





#19

1,1-Dichloroethane

Concen: 19.602 ug/L

RT: 3.43 min Scan# 728

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

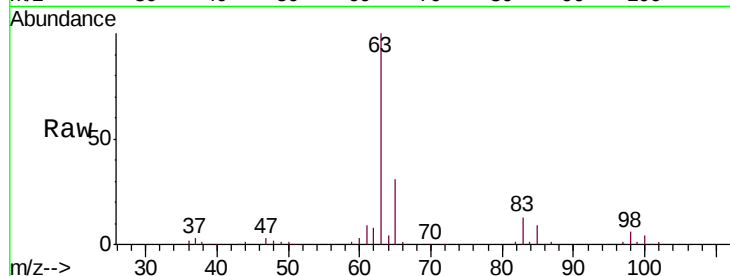
Tgt Ion: 63 Resp: 268153

Ion Ratio Lower Upper

63 100

65 31.3 22.7 42.1

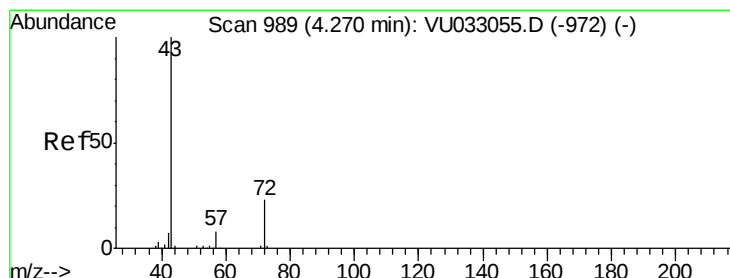
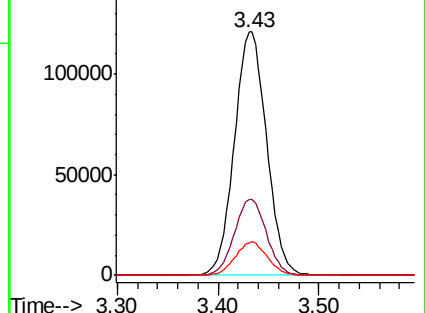
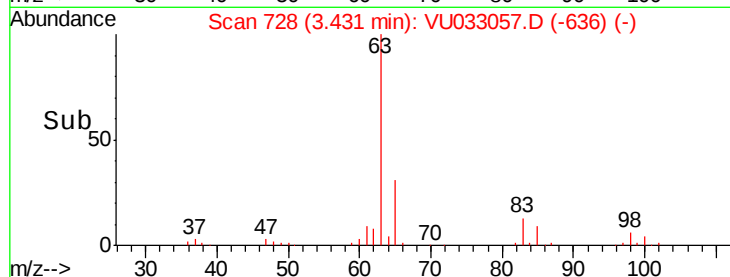
83 13.5 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU033055.D (-711) (-)

Ion 65.10 (64.80 to 65.80): VU033055.D (-711) (-)

Ion 83.05 (82.75 to 83.75): VU033055.D (-711) (-)



#21

2-Butanone

Concen: 204.091 ug/L

RT: 4.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VU033057.D

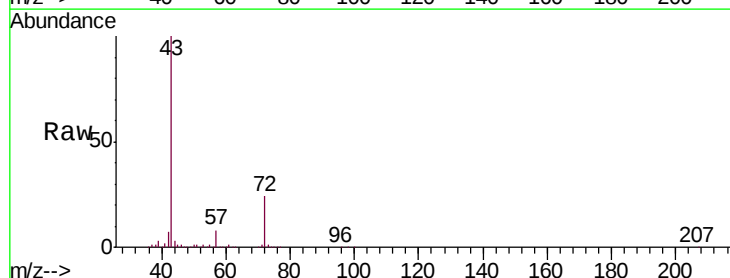
Acq: 27 Jun 2019 11:17

Tgt Ion: 43 Resp: 467382

Ion Ratio Lower Upper

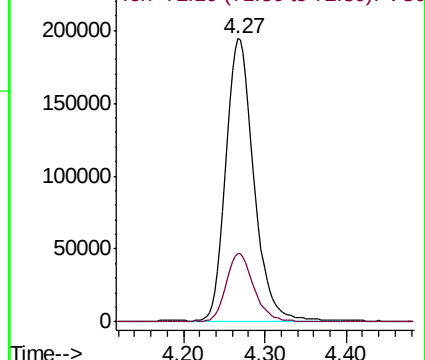
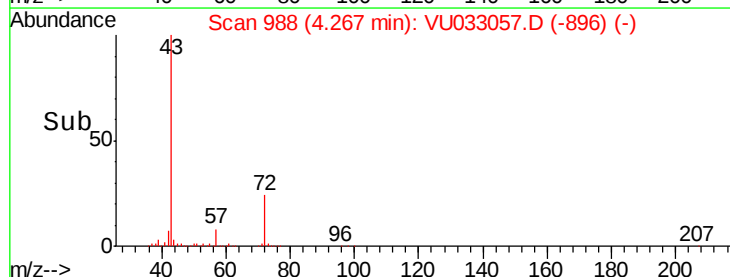
43 100

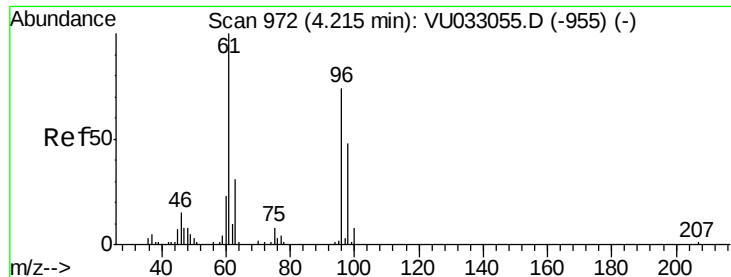
72 23.4 11.5 34.5



Abundance Ion 43.05 (42.75 to 43.75): VU033055.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU033055.D (-972) (-)



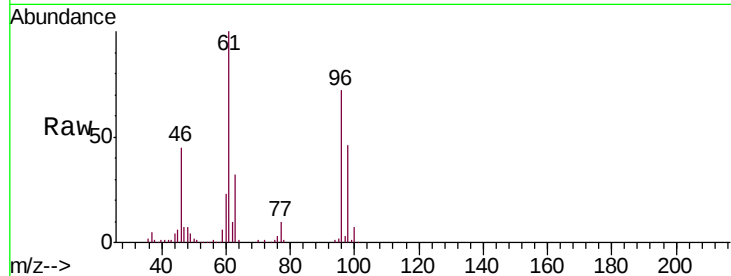


#22

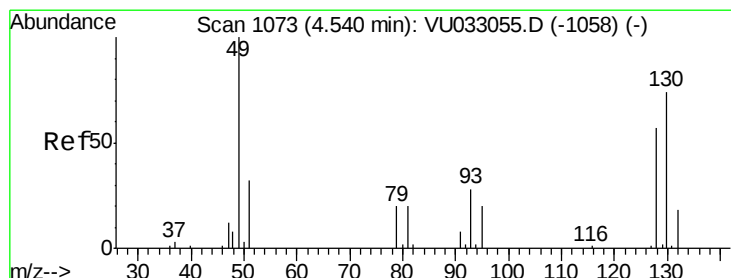
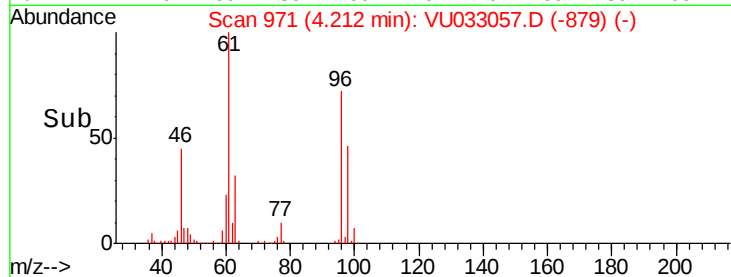
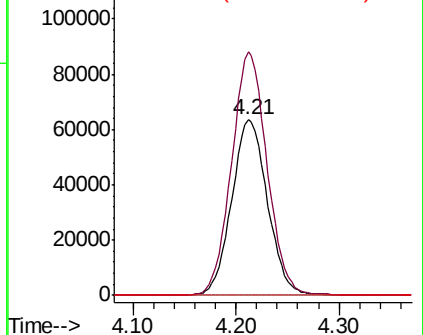
cis-1,2-Dichloroethene
 Concen: 20.300 ug/L
 RT: 4.21 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion: 96 Resp: 153499
 Ion Ratio Lower Upper
 96 100
 61 138.7 94.6 175.8
 68 0.0 0.0 0.0



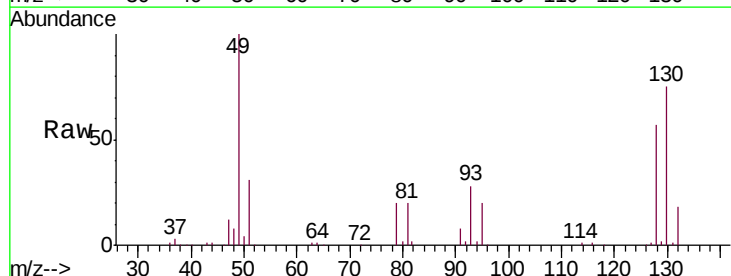
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



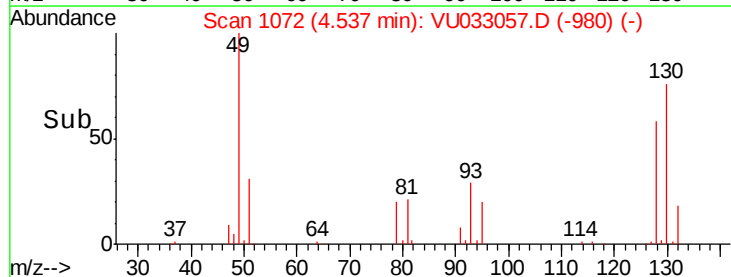
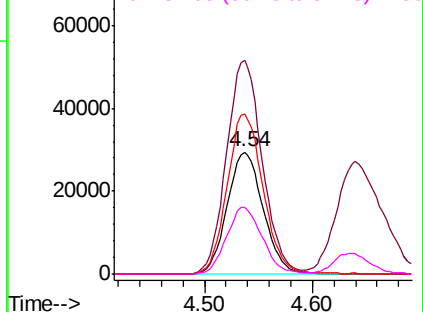
#23

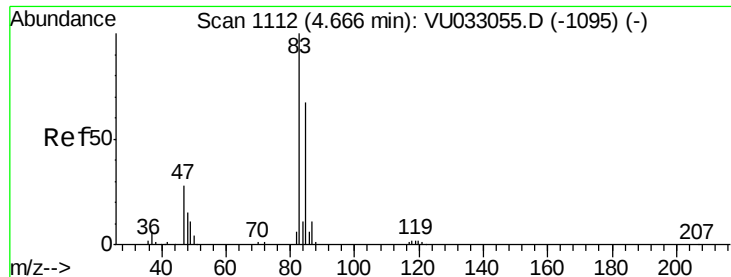
Bromochloromethane
 Concen: 20.376 ug/L
 RT: 4.54 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Tgt Ion: 128 Resp: 68364
 Ion Ratio Lower Upper
 128 100
 49 174.8 123.3 228.9
 130 131.0 90.9 168.7
 51 54.7 45.6 68.4



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: 19.820 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

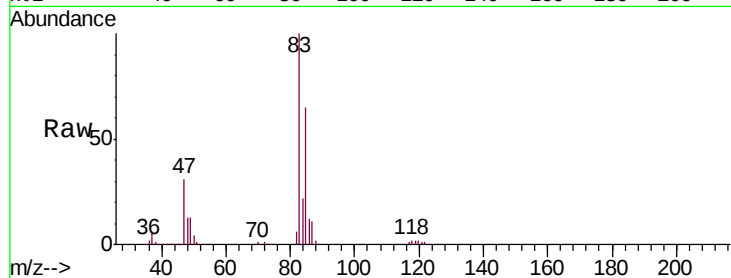
VSTD02005

Tgt Ion: 83 Resp: 275557

Ion Ratio Lower Upper

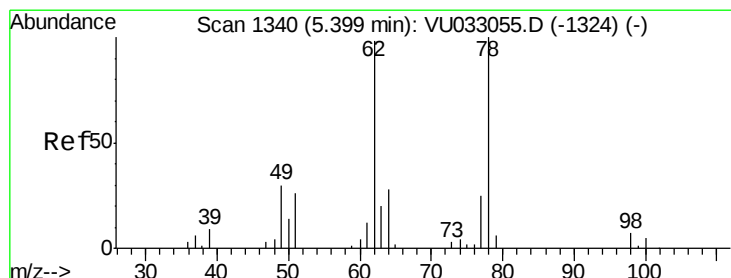
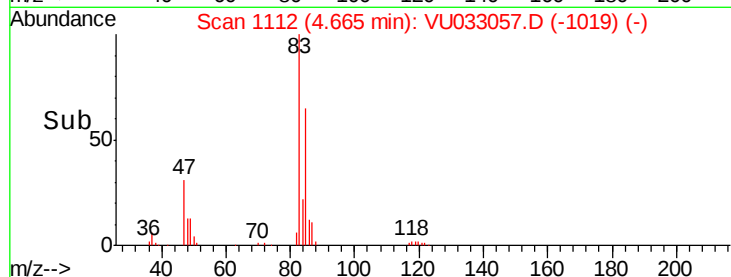
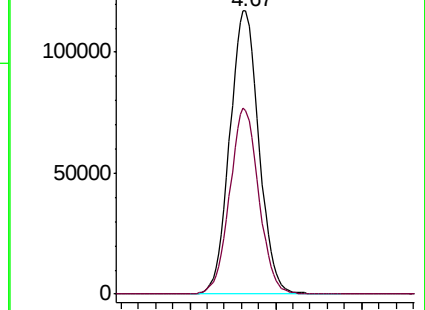
83 100

85 64.9 47.3 87.8



Abundance Ion 83.05 (82.75 to 83.75): VU033055.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU033055.D (-1095) (-)



#27

1,2-Dichloroethane

Concen: 20.172 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU033057.D

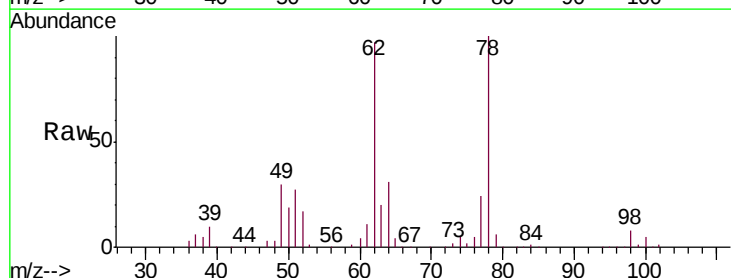
Acq: 27 Jun 2019 11:17

Tgt Ion: 62 Resp: 192057

Ion Ratio Lower Upper

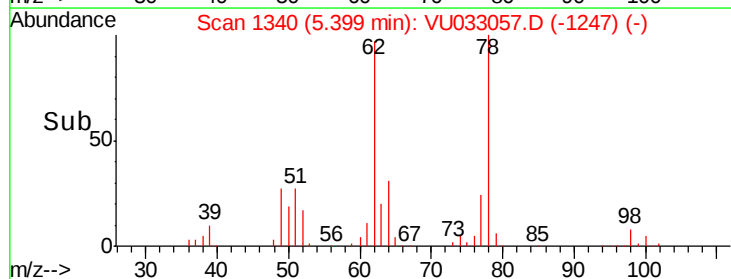
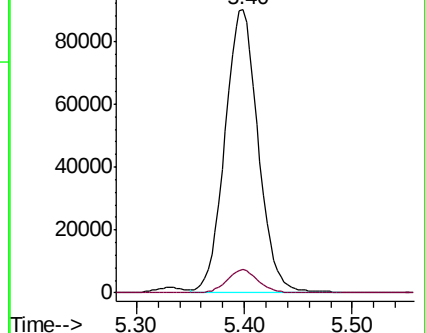
62 100

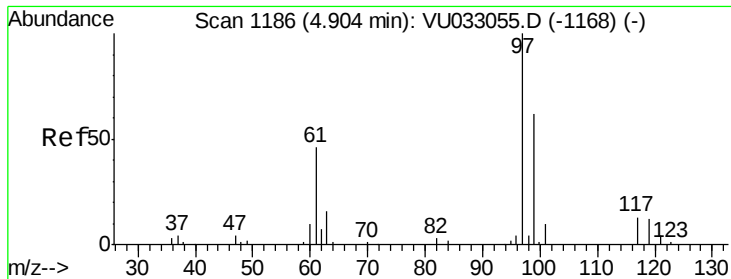
98 8.1 5.8 8.6



Abundance Ion 62.00 (61.70 to 62.70): VU033055.D (-1324) (-)

Ion 98.05 (97.75 to 98.75): VU033055.D (-1324) (-)

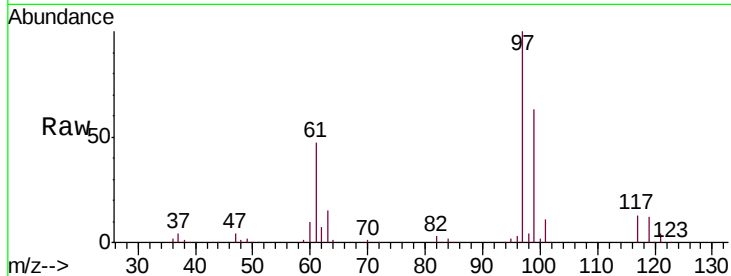




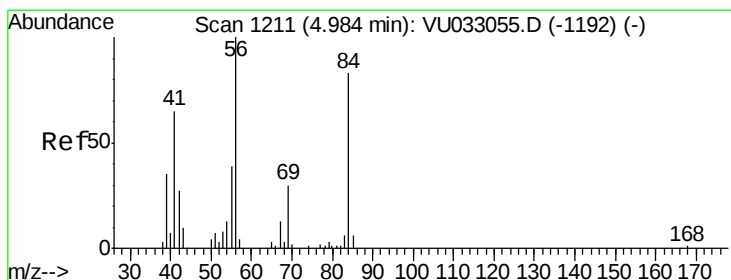
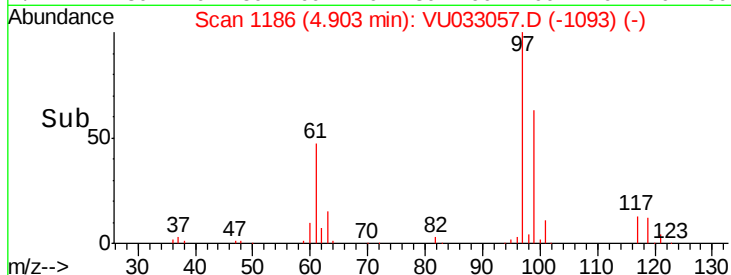
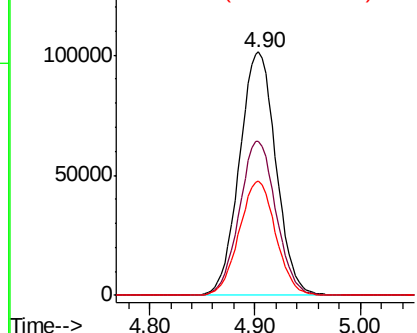
#29
 1,1,1-Trichloroethane
 Concen: 19.518 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion: 97 Resp: 243850
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.4 77.2
 61 47.0 38.1 57.1

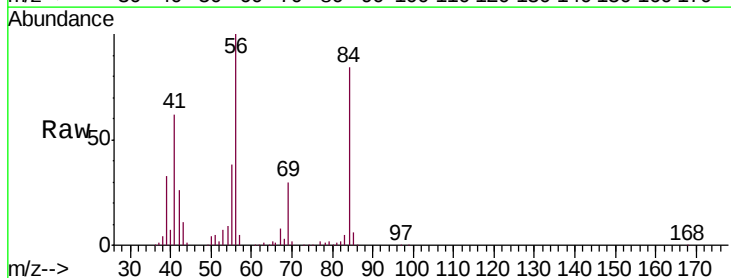


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

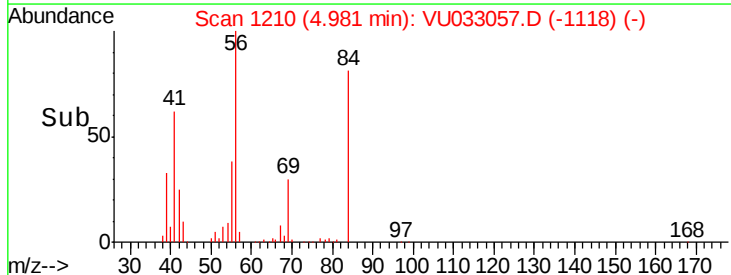
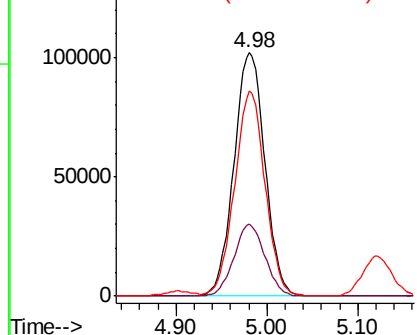


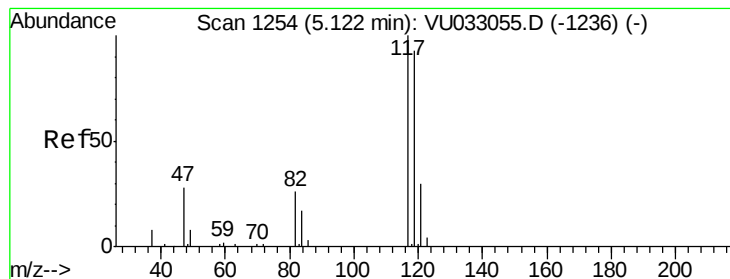
#30
 Cyclohexane
 Concen: 20.860 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Tgt Ion: 56 Resp: 241458
 Ion Ratio Lower Upper
 56 100
 69 29.4 23.7 35.5
 84 82.9 65.8 98.8



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: 19.672 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

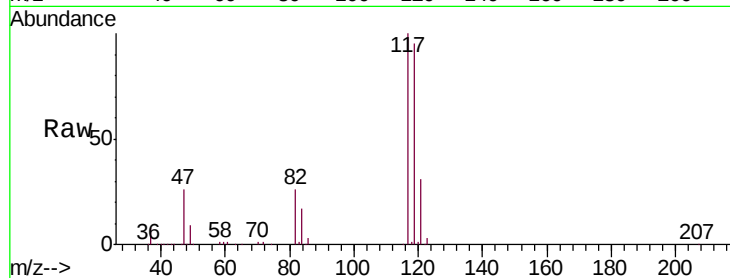
VSTD02005

Tgt Ion:117 Resp: 223607

Ion Ratio Lower Upper

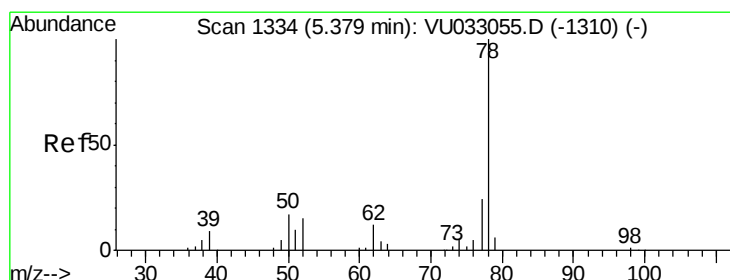
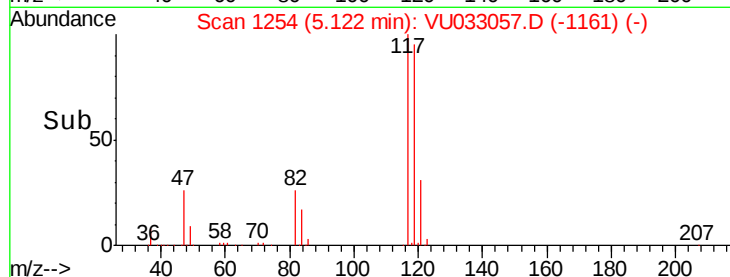
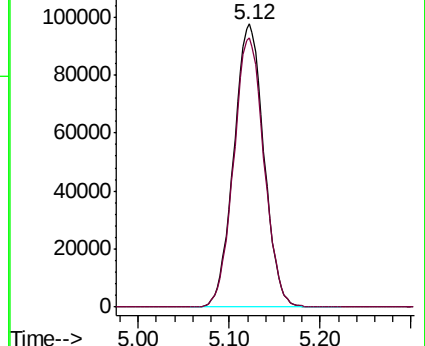
117 100

119 96.0 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 19.790 ug/L

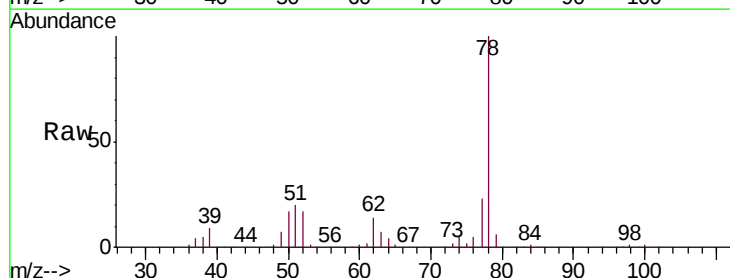
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

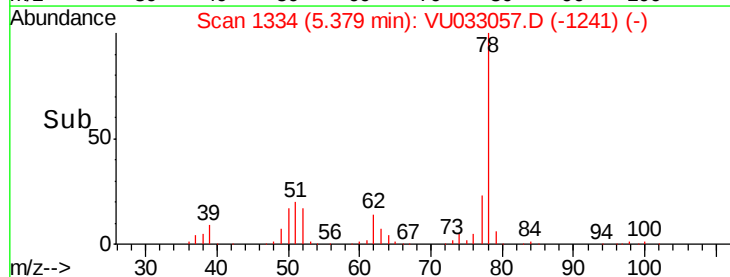
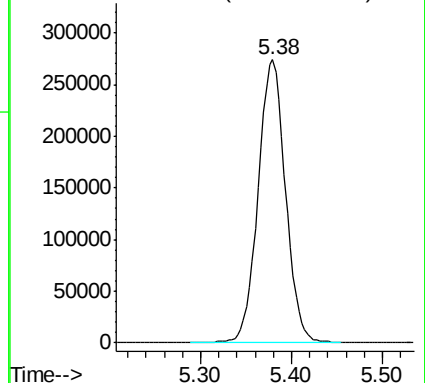
Lab File: VU033057.D

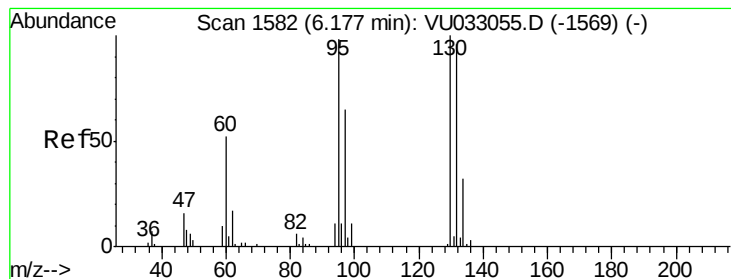
Acq: 27 Jun 2019 11:17

Tgt Ion: 78 Resp: 573737



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 19.496 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

Tgt Ion: 95 Resp: 154786

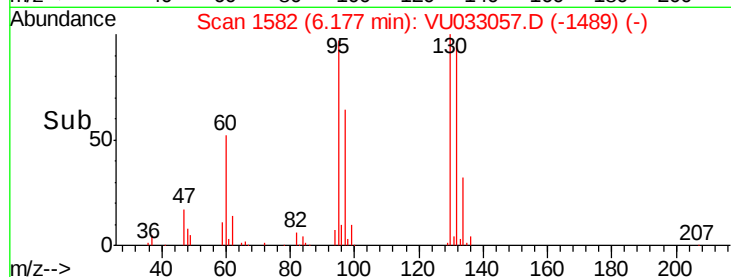
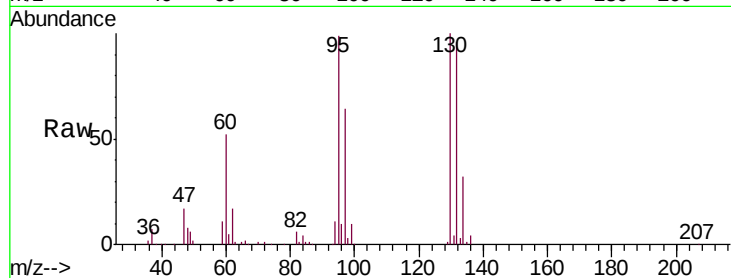
Ion Ratio Lower Upper

95 100

97 65.0 46.0 85.4

132 97.1 68.6 127.4

130 100.9 71.1 132.1

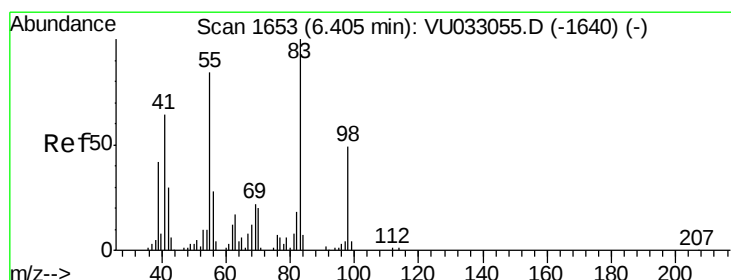
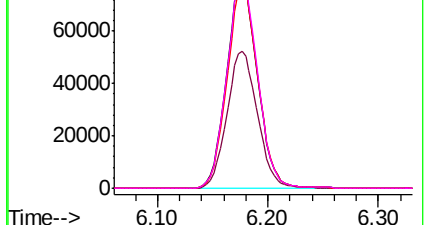


Abundance Ion 95.00 (94.70 to 95.70): VU033055.D (-1569) (-)

Ion 96.95 (96.65 to 97.65): VU033055.D (-1569) (-)

Ion 131.95 (131.65 to 132.65): VU033055.D (-1569) (-)

Ion 129.95 (129.65 to 130.65): VU033055.D (-1569) (-)



#35

Methylcyclohexane

Concen: 21.304 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

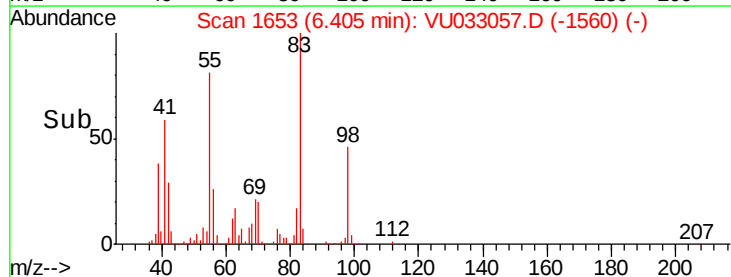
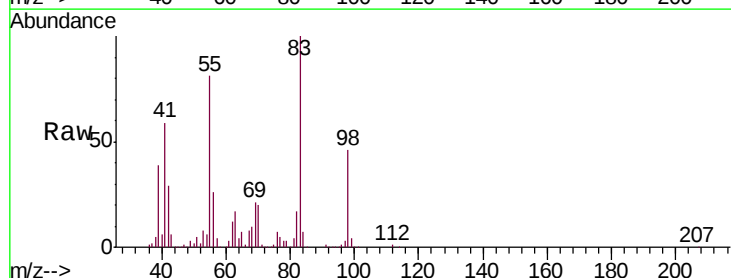
Tgt Ion: 83 Resp: 251830

Ion Ratio Lower Upper

83 100

55 80.8 67.0 100.4

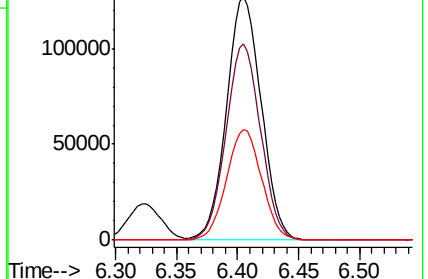
98 46.2 37.7 56.5

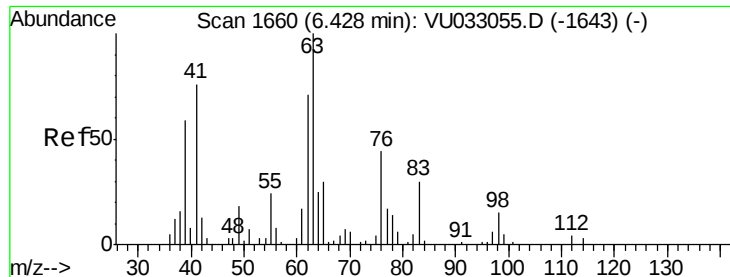


Abundance Ion 83.15 (82.85 to 83.85): VU033055.D (-1640) (-)

Ion 55.10 (54.80 to 55.80): VU033055.D (-1640) (-)

Ion 98.15 (97.85 to 98.85): VU033055.D (-1640) (-)





#37

1,2-Dichloropropane

Concen: 19.829 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

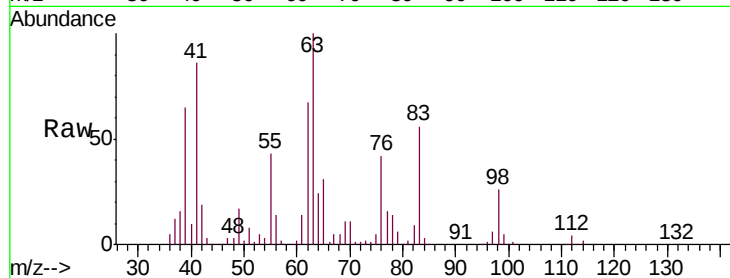
VSTD02005

Tgt Ion: 63 Resp: 154172

Ion Ratio Lower Upper

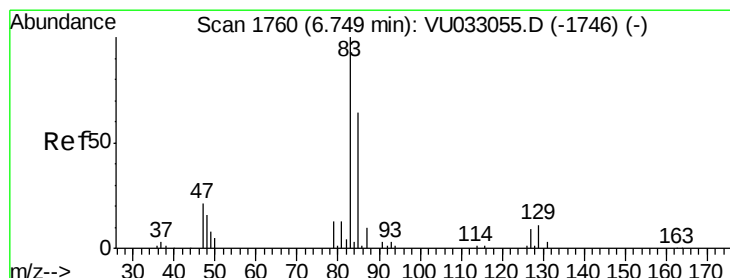
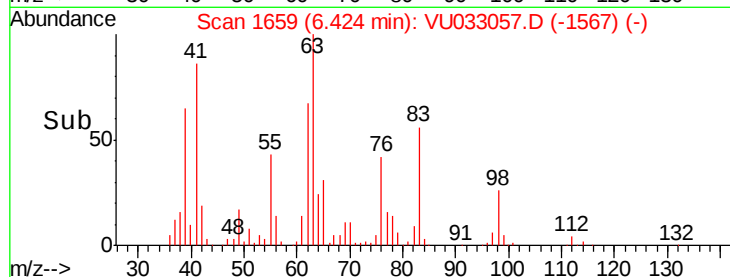
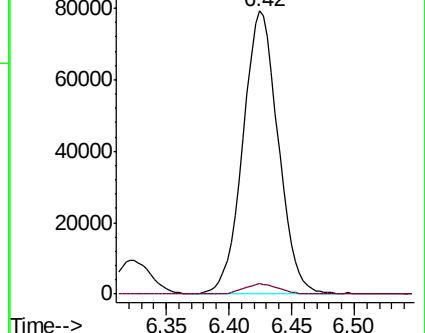
63 100

112 3.7 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VU033055.D (-1643) (-)

Ion 112.10 (111.80 to 112.80): VU033055.D (-1643) (-)



#38

Bromodichloromethane

Concen: 19.569 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

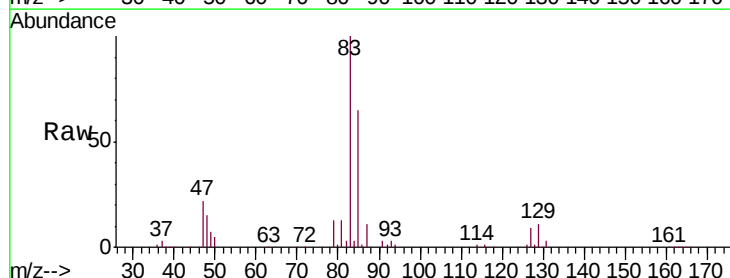
Tgt Ion: 83 Resp: 200608

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9

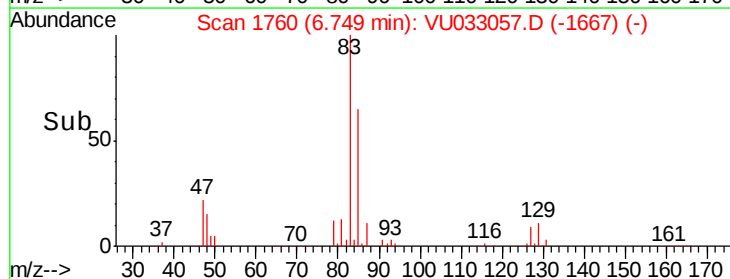
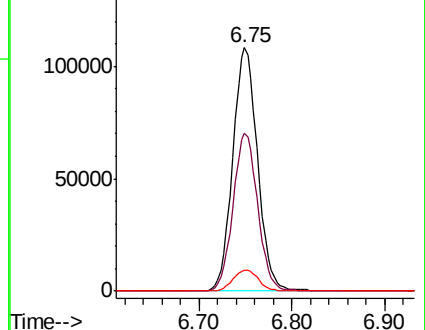
127 8.6 6.9 10.3

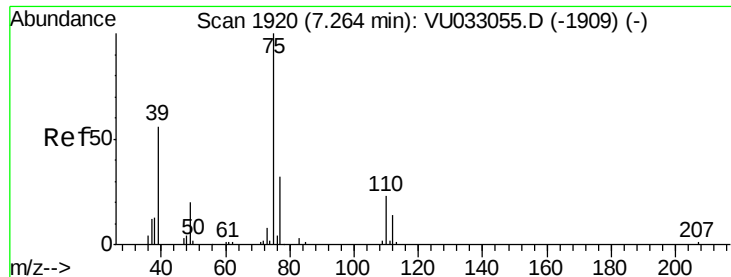


Abundance Ion 82.95 (82.65 to 83.65): VU033055.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU033055.D (-1746) (-)

Ion 126.90 (126.60 to 127.60): VU033055.D (-1746) (-)

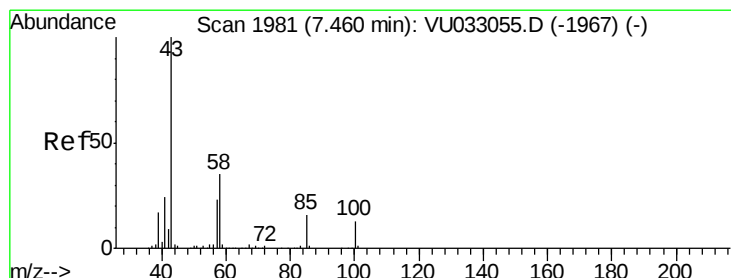
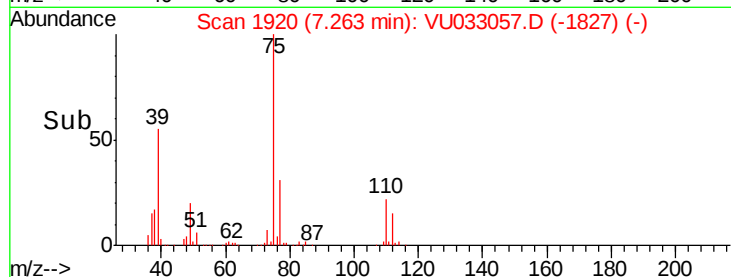
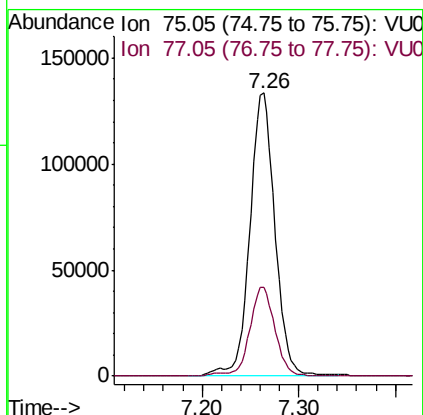
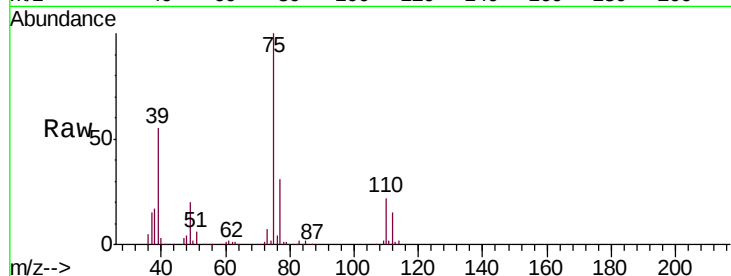




#39
 cis-1,3-Dichloropropene
 Concen: 21.222 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

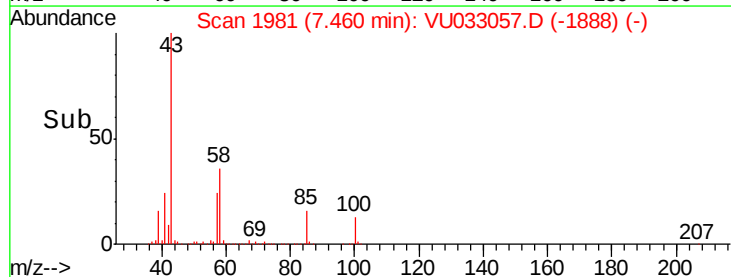
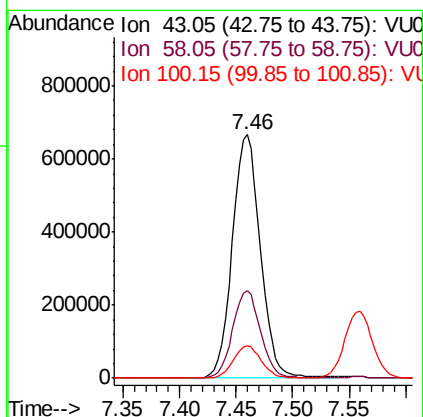
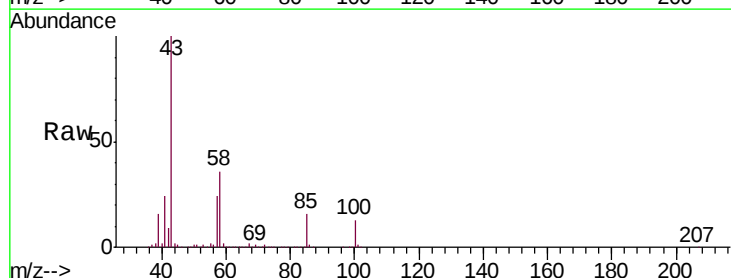
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

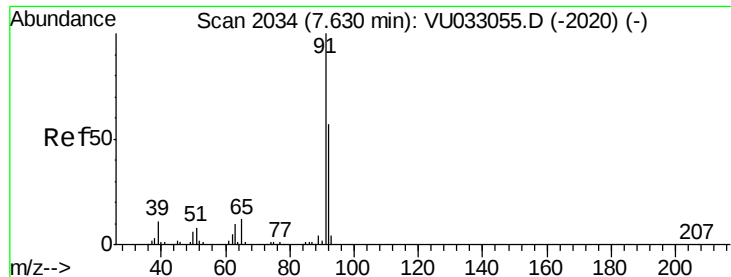
Tgt Ion: 75 Resp: 240578
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 214.608 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Tgt Ion: 43 Resp: 1150033
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.2 42.2
 100 13.2 10.4 15.6





#42

Toluene

Concen: 20.546 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

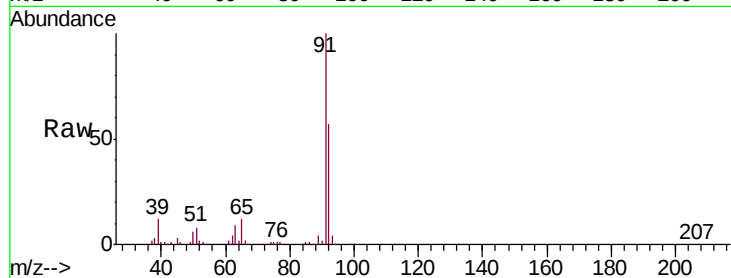
VSTD02005

Tgt Ion: 91 Resp: 636285

Ion Ratio Lower Upper

91 100

92 56.8 39.8 74.0



Abundance Ion 91.15 (90.85 to 91.85): VU033055.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU033055.D (-2020) (-)

7.63

400000

300000

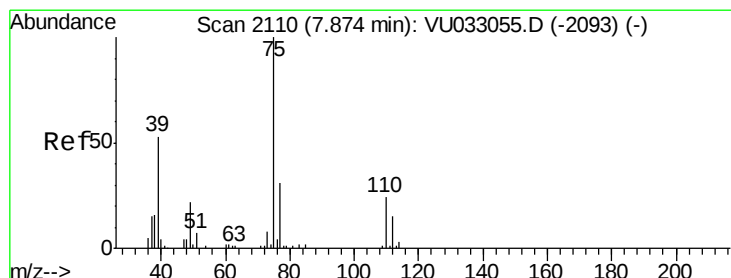
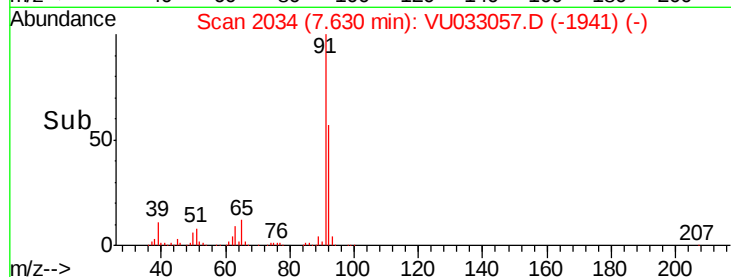
200000

100000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 21.658 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU033057.D

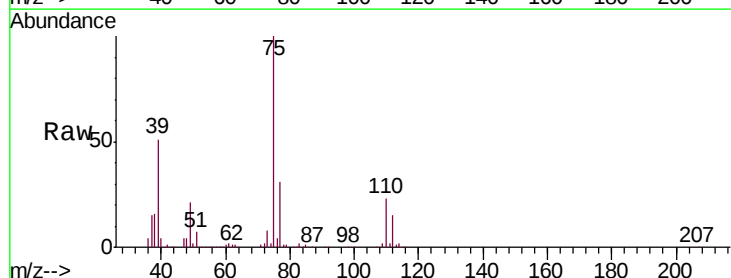
Acq: 27 Jun 2019 11:17

Tgt Ion: 75 Resp: 200098

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033055.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU033055.D (-2093) (-)

7.87

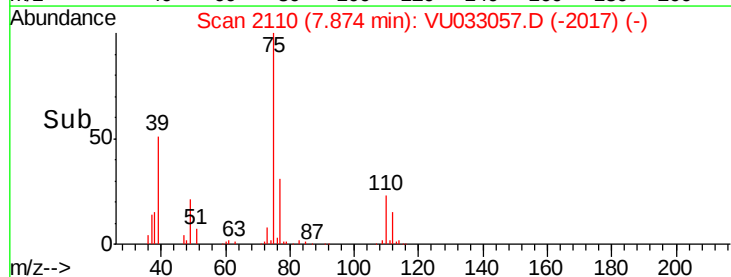
100000

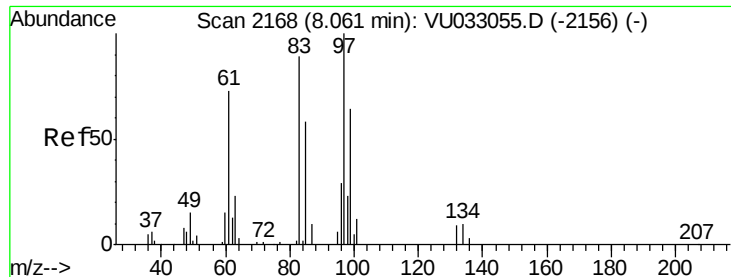
50000

0

7.80 7.90 8.00

Time-->

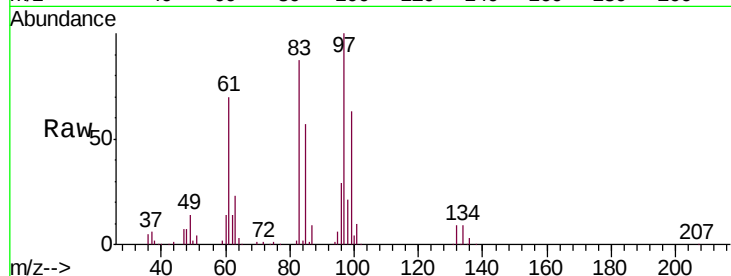




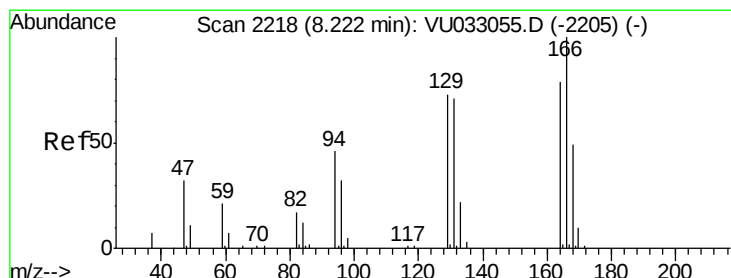
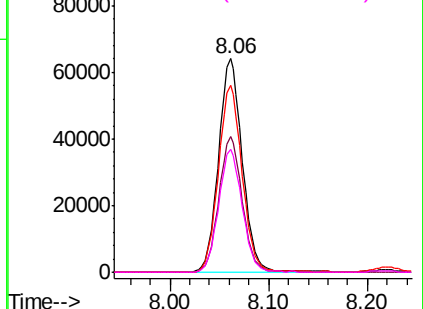
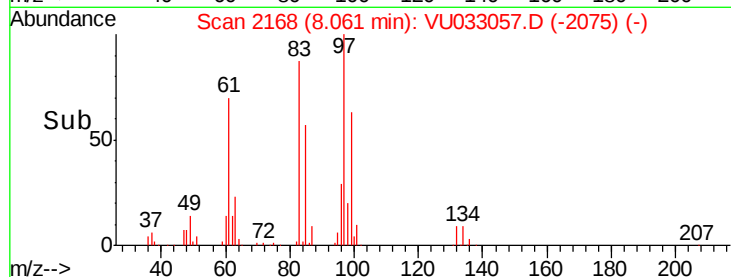
#45
 1,1,2-Trichloroethane
 Concen: 19.871 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion:	97	Resp:	108339
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.7	83.1
83	87.3	62.6	116.2
85	57.4	40.5	75.1

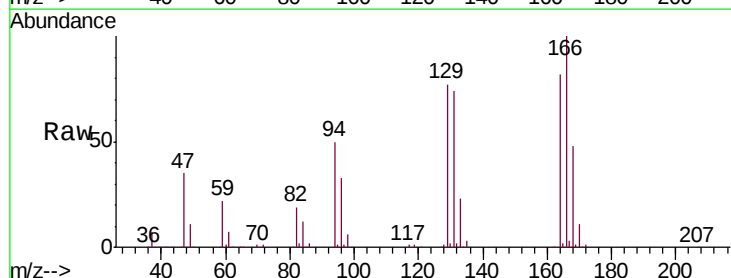


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

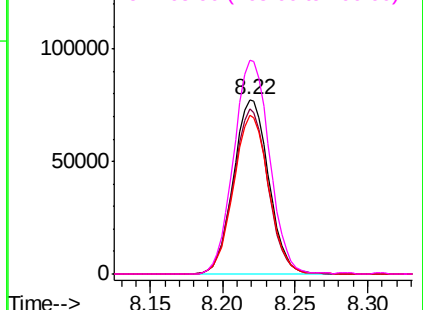
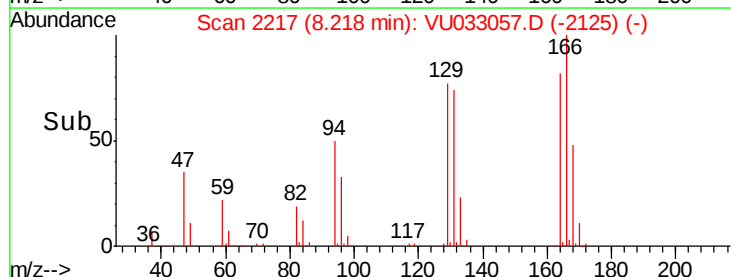


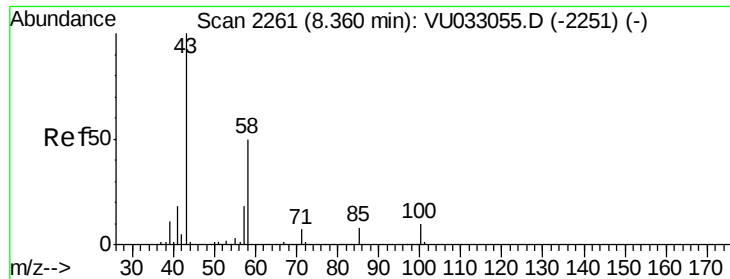
#47
 Tetrachloroethene
 Concen: 20.461 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Tgt Ion:	164	Resp:	130679
Ion	Ratio	Lower	Upper
164	100		
129	94.2	64.9	120.5
131	90.7	63.5	117.9
166	122.2	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

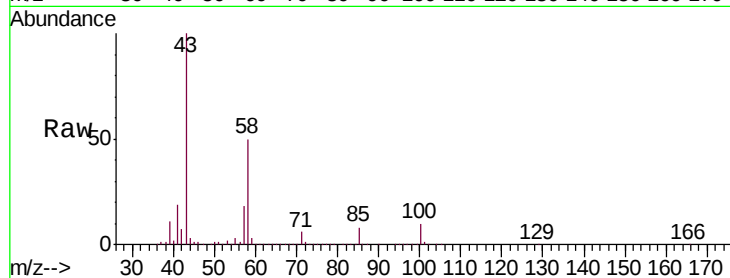




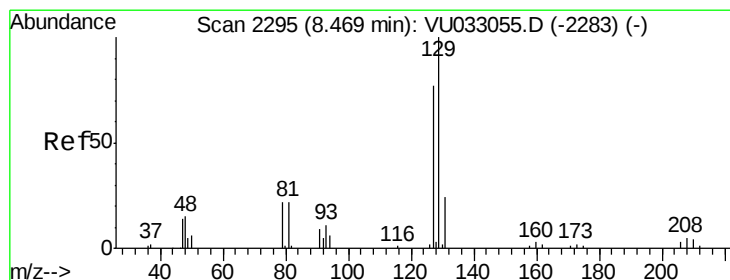
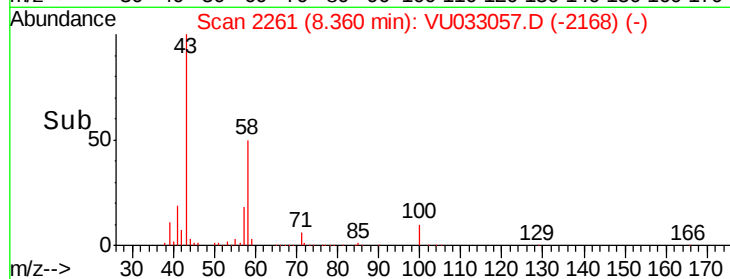
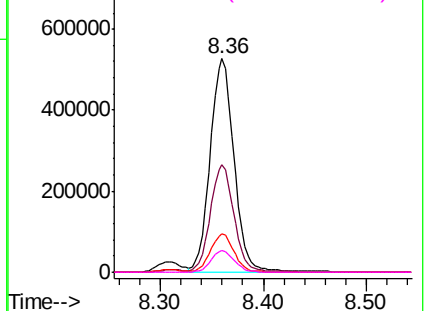
#48
2-Hexanone
Concen: 219.538 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU033057.D
Acq: 27 Jun 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion: 43 Resp: 841859
Ion Ratio Lower Upper
43 100
58 50.2 40.0 60.0
57 17.9 14.0 21.0
100 10.3 7.9 11.9

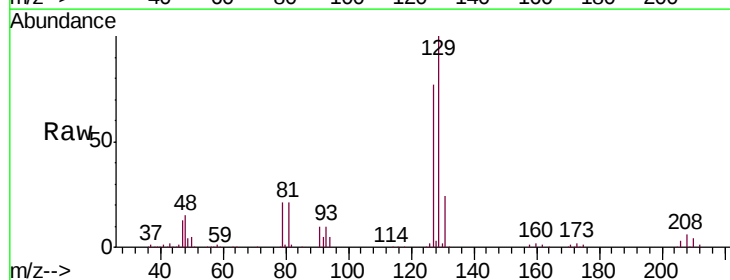


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

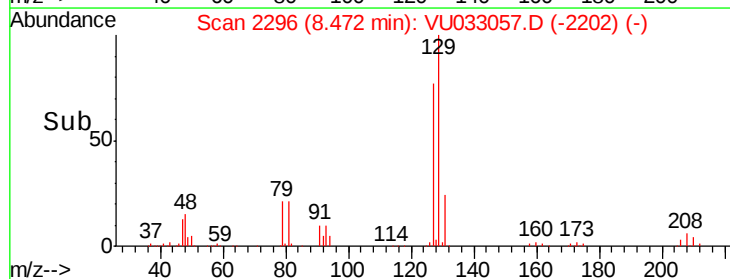
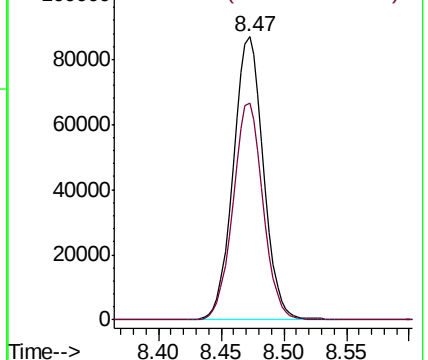


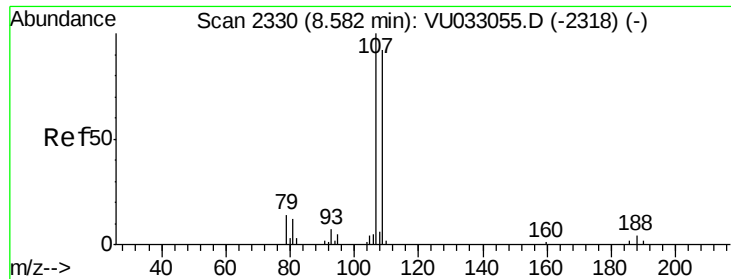
#49
Dibromochloromethane
Concen: 21.017 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU033057.D
Acq: 27 Jun 2019 11:17

Tgt Ion: 129 Resp: 145380
Ion Ratio Lower Upper
129 100
127 76.7 54.0 100.4



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

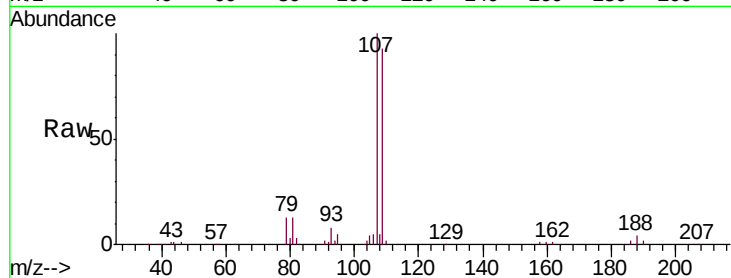




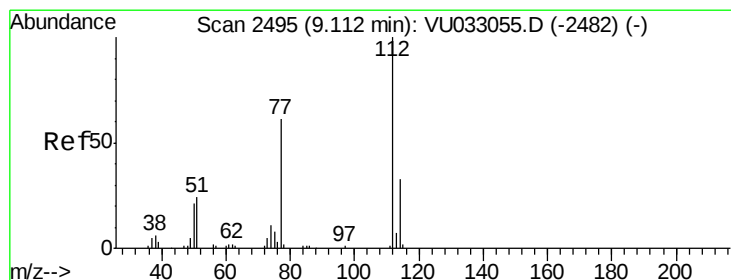
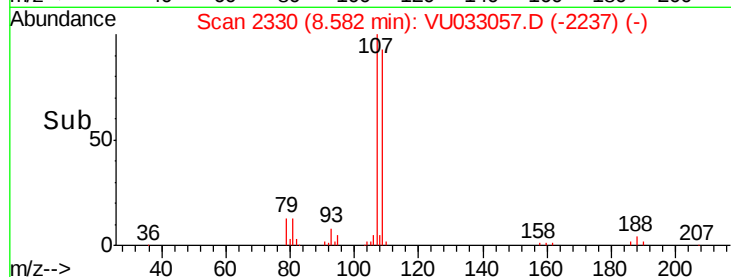
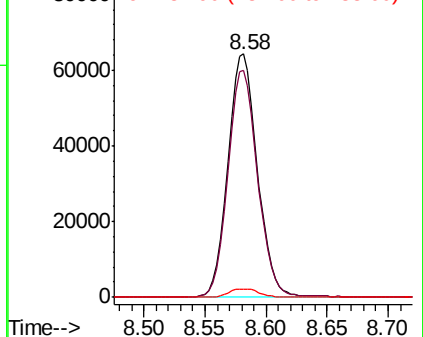
#50
1,2-Dibromoethane
Concen: 20.457 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU033057.D
Acq: 27 Jun 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion:107 Resp: 108737
Ion Ratio Lower Upper
107 100
109 93.2 64.7 120.1
188 3.5 2.9 4.3

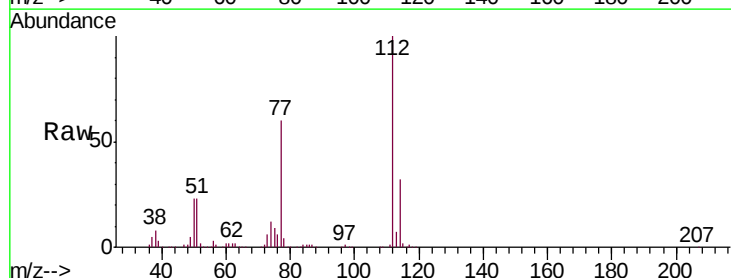


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

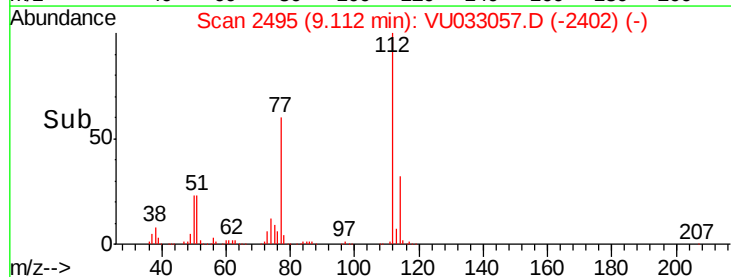
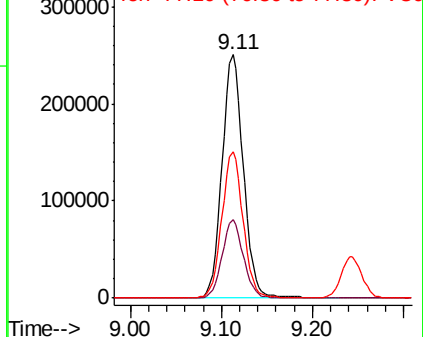


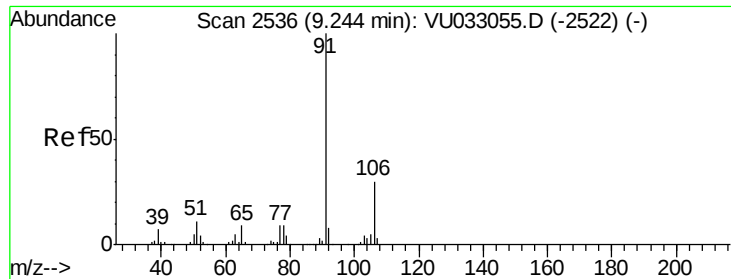
#51
Chlorobenzene
Concen: 19.934 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU033057.D
Acq: 27 Jun 2019 11:17

Tgt Ion:112 Resp: 407839
Ion Ratio Lower Upper
112 100
114 32.2 23.3 43.3
77 60.3 48.9 73.3



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: 21.317 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

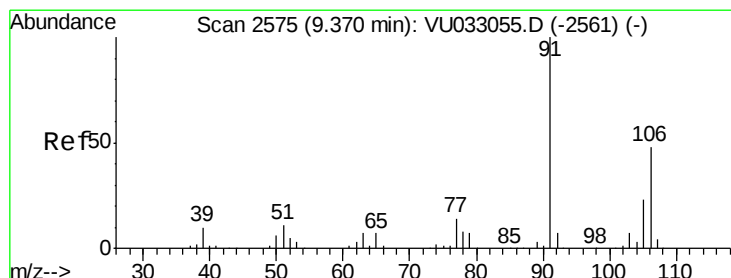
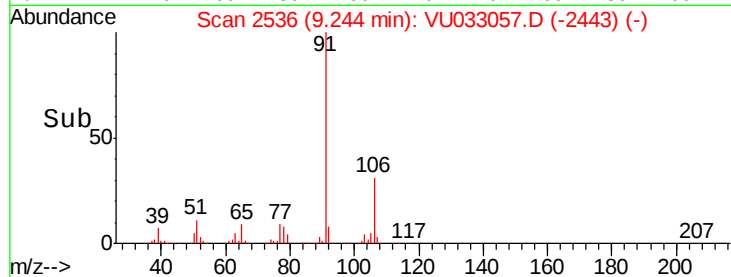
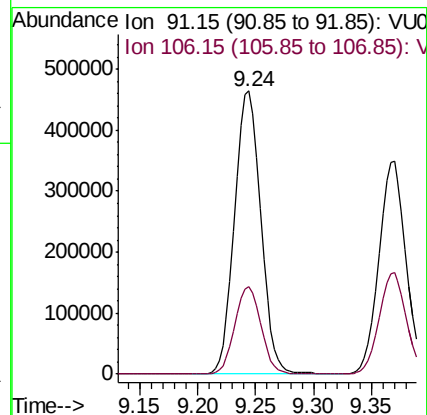
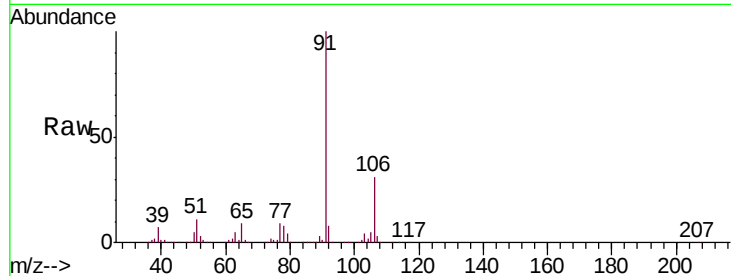
VSTD02005

Tgt Ion: 91 Resp: 726785

Ion Ratio Lower Upper

91 100

106 30.7 21.2 39.4



#53

m,p-Xylene

Concen: 22.025 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU033057.D

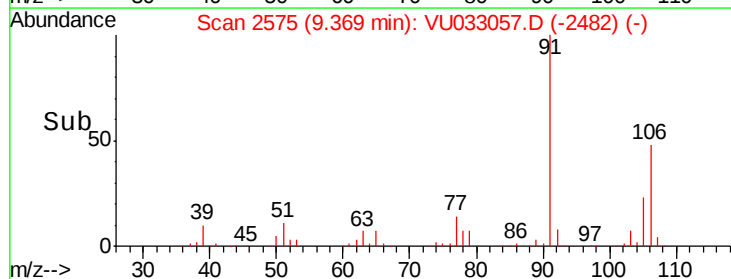
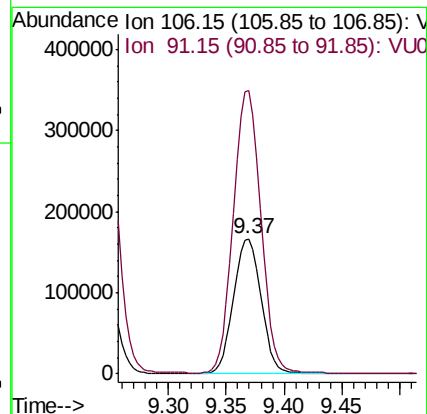
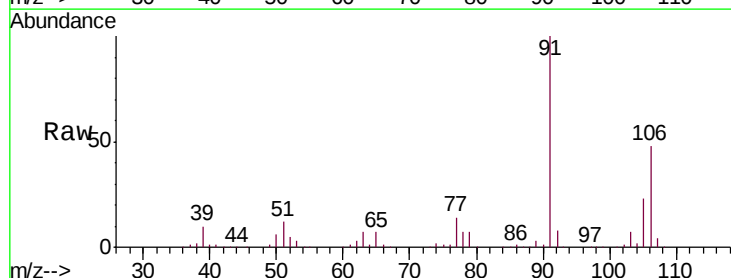
Acq: 27 Jun 2019 11:17

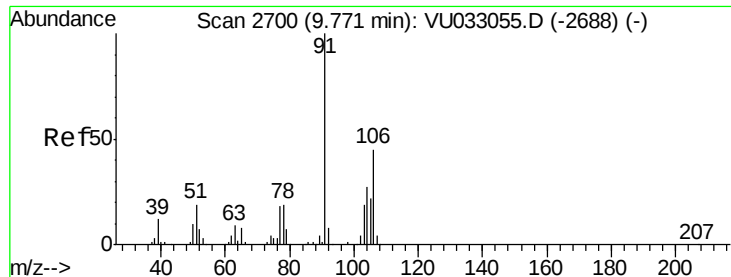
Tgt Ion: 106 Resp: 272565

Ion Ratio Lower Upper

106 100

91 209.0 146.4 272.0

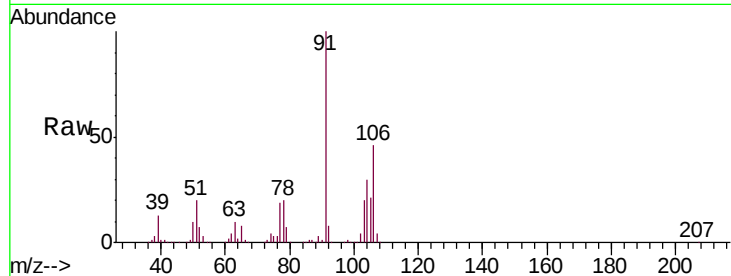




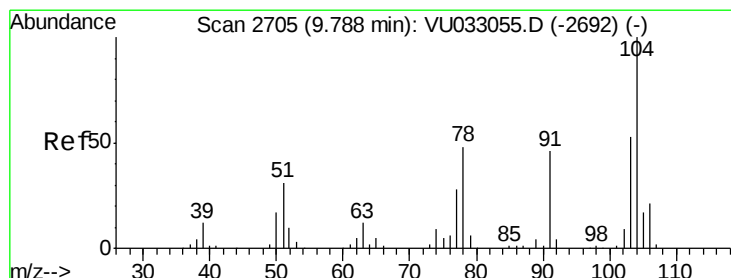
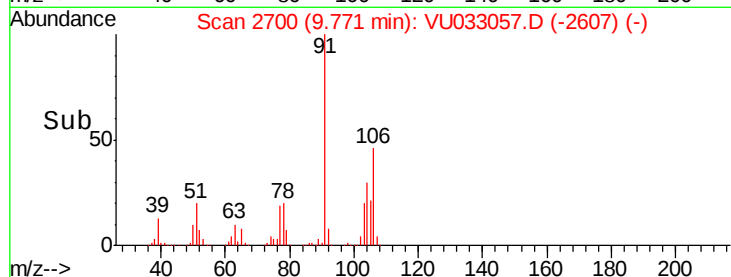
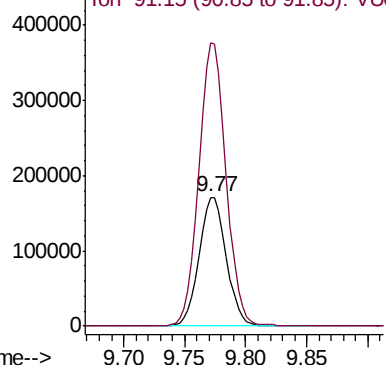
#54
o-Xylene
Concen: 22.221 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU033057.D
Acq: 27 Jun 2019 11:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD02005

Tgt Ion:106 Resp: 268008
Ion Ratio Lower Upper
106 100
91 219.2 155.1 288.1

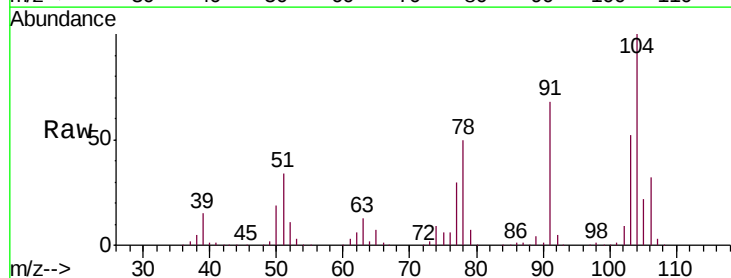


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

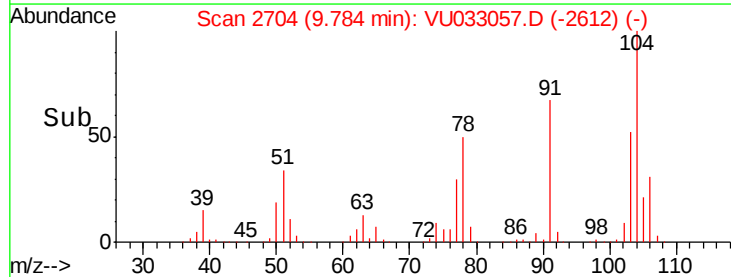
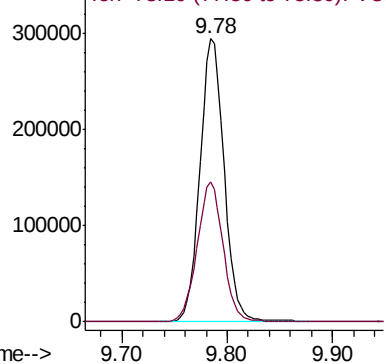


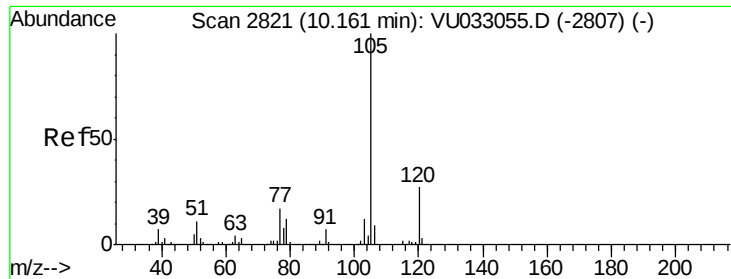
#55
Styrene
Concen: 22.916 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. -0.00 min
Lab File: VU033057.D
Acq: 27 Jun 2019 11:17

Tgt Ion:104 Resp: 467841
Ion Ratio Lower Upper
104 100
78 49.6 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 22.333 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

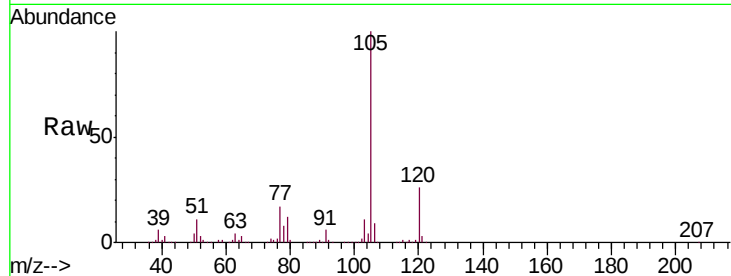
Tgt Ion: 105 Resp: 731191

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

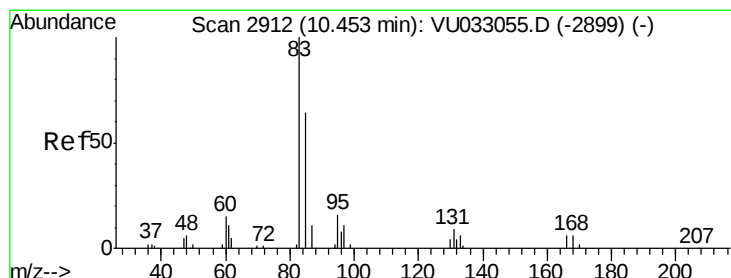
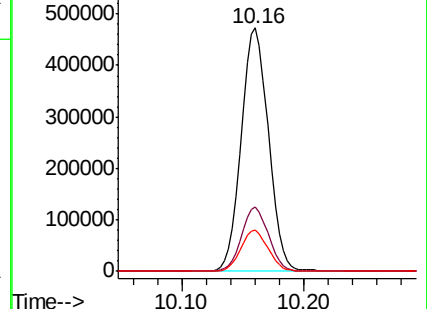
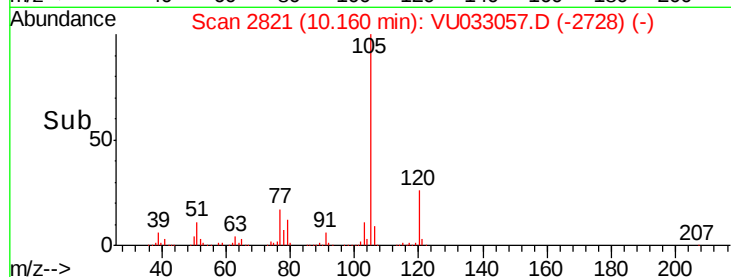
77 17.0 13.6 20.4



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: 20.900 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

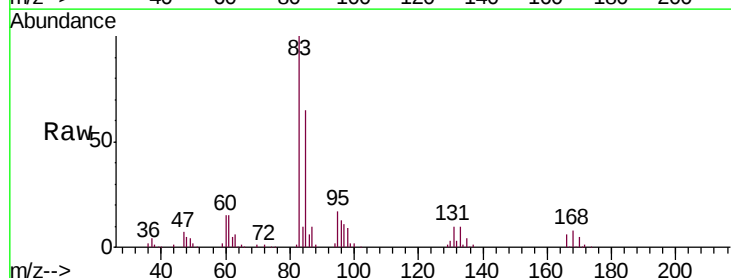
Tgt Ion: 83 Resp: 147816

Ion Ratio Lower Upper

83 100

85 65.2 45.7 84.9

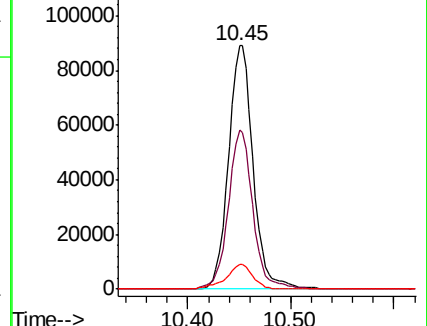
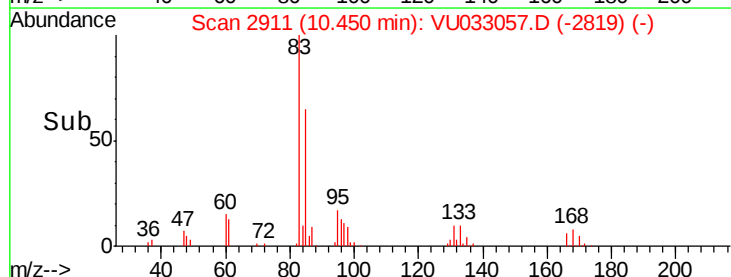
131 10.3 7.7 11.5

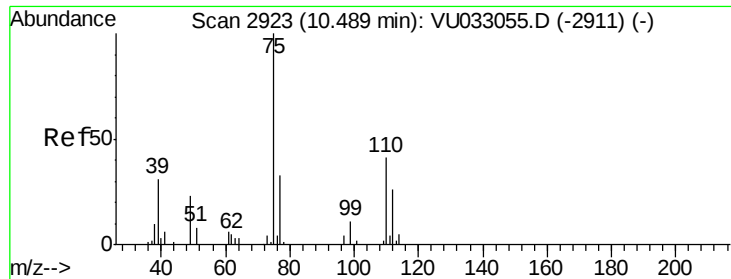


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

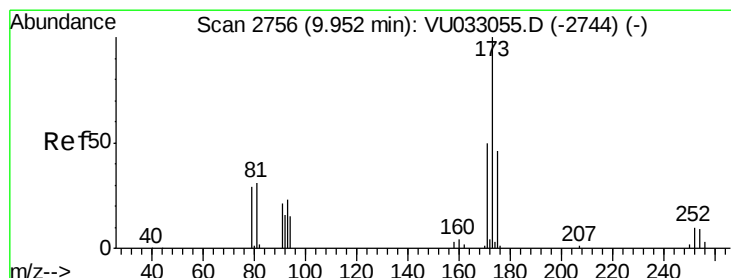
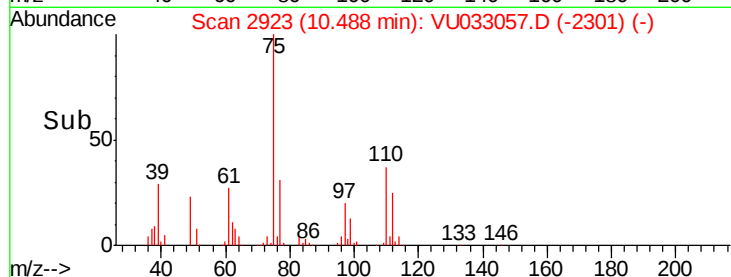
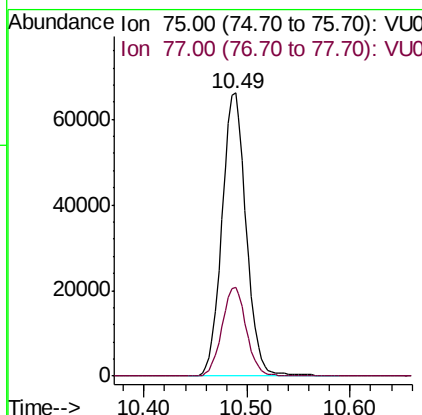
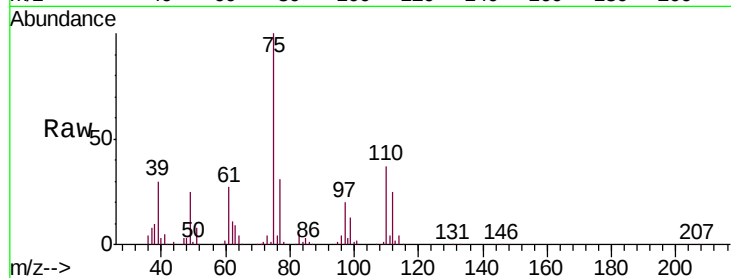




#59
 1,2,3-Trichloropropane
 Concen: 20.804 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

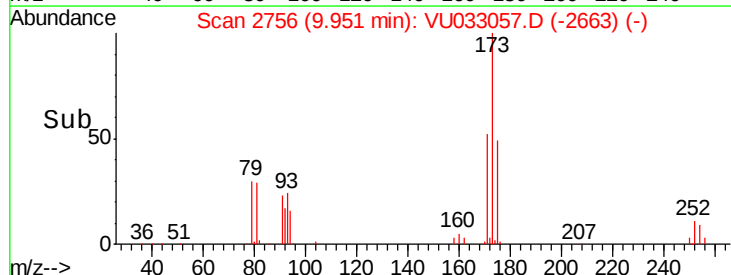
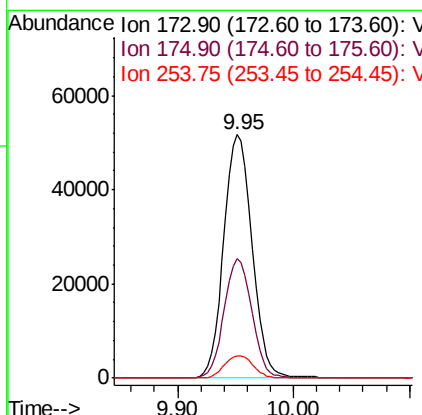
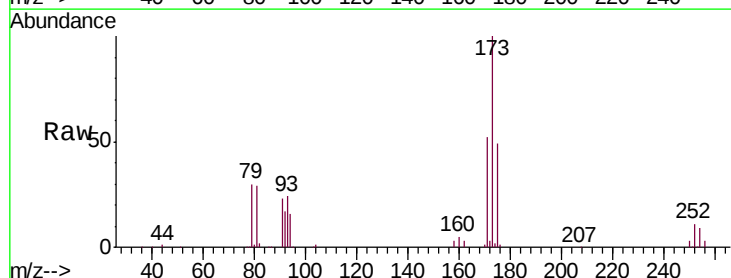
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

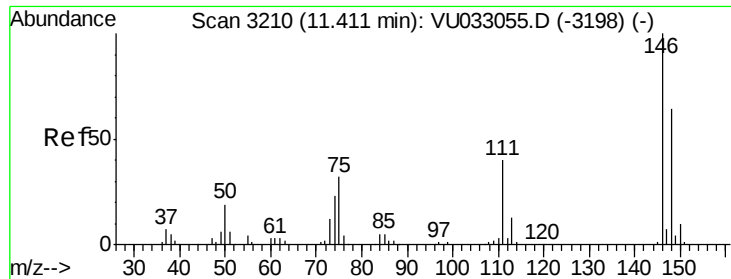
Tgt Ion: 75 Resp: 108249
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#61
 Bromoform
 Concen: 20.653 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Tgt Ion: 173 Resp: 87335
 Ion Ratio Lower Upper
 173 100
 175 48.1 37.7 56.5
 254 9.4 7.7 11.5





#62

1,3-Dichlorobenzene

Concen: 20.132 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

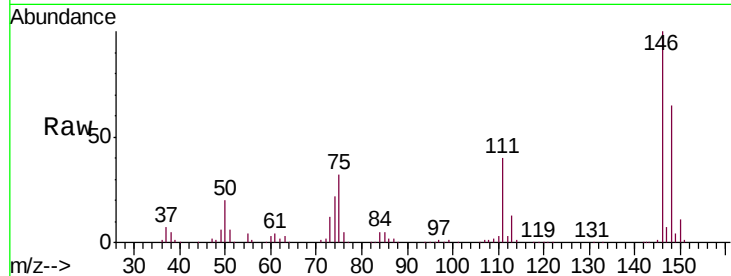
Tgt Ion:146 Resp: 349708

Ion Ratio Lower Upper

146 100

111 39.9 27.7 51.5

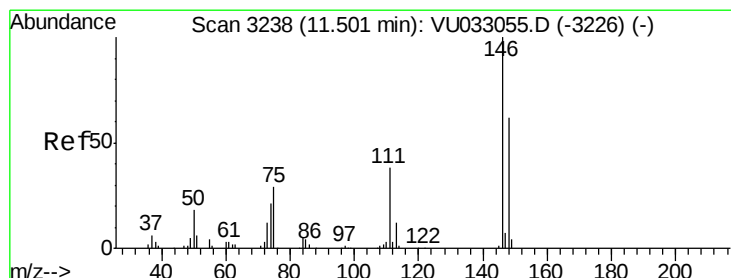
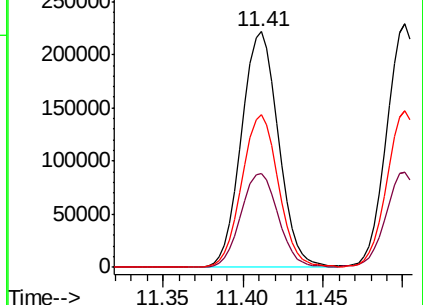
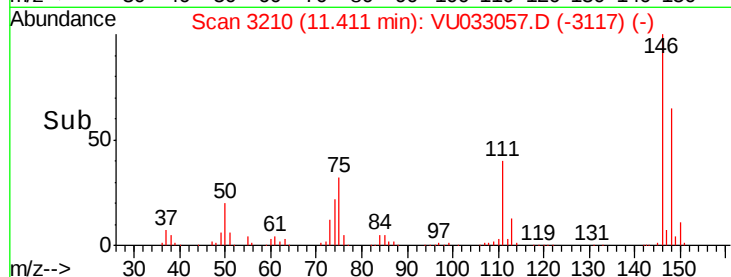
148 64.8 44.5 82.7



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: 19.646 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

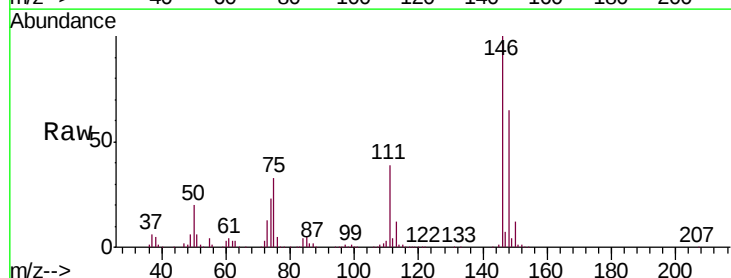
Tgt Ion:146 Resp: 356071

Ion Ratio Lower Upper

146 100

111 38.9 26.7 49.7

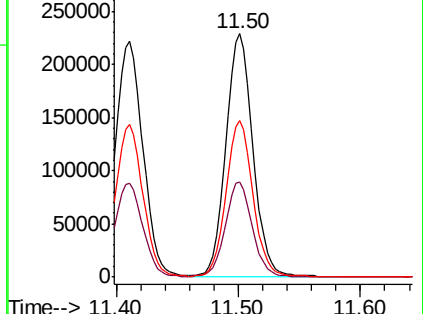
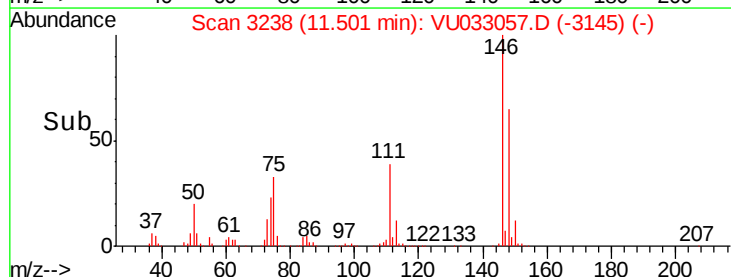
148 64.5 43.6 81.0

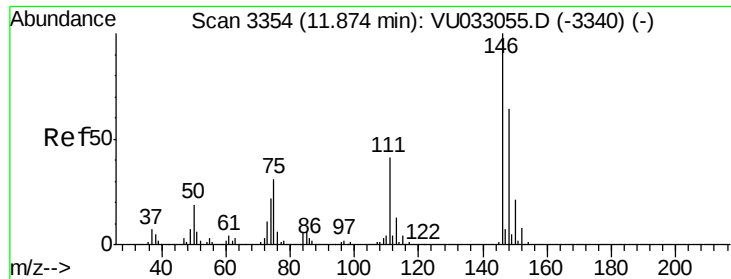


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

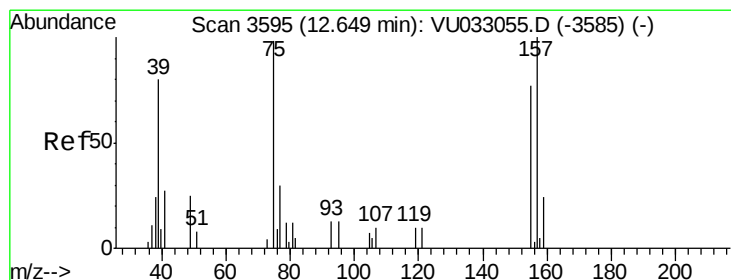
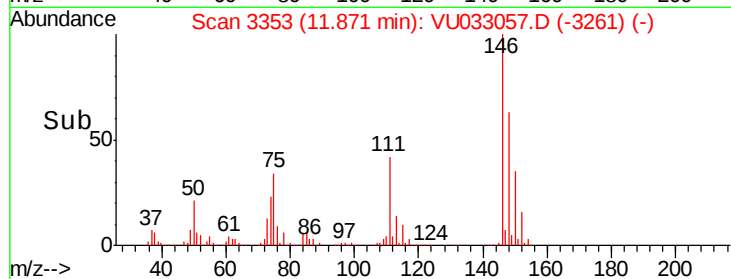
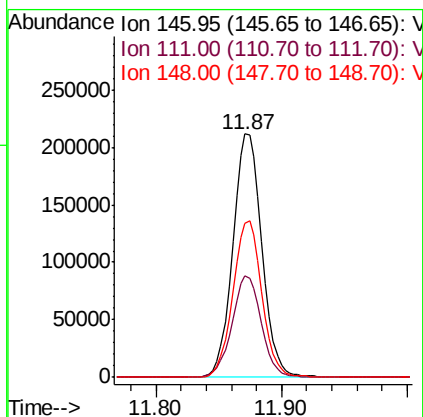
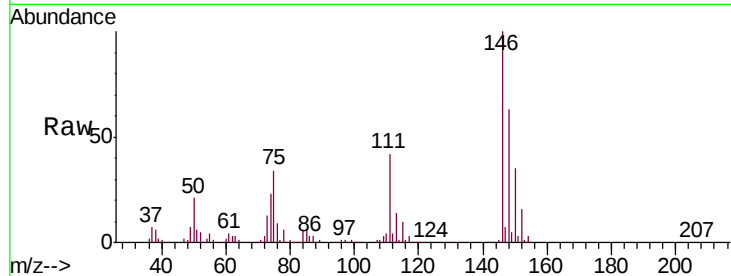




#65
 1,2-Dichlorobenzene
 Concen: 20.150 ug/L
 RT: 11.87 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

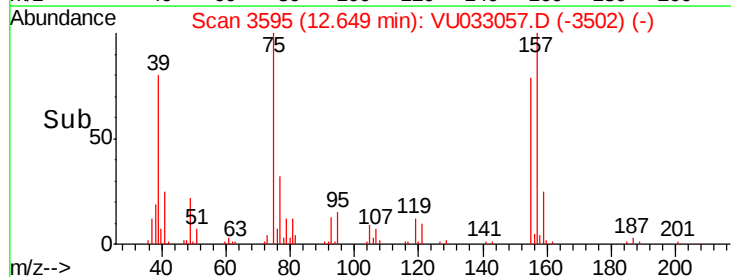
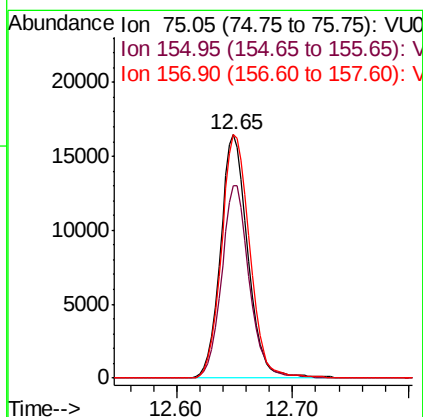
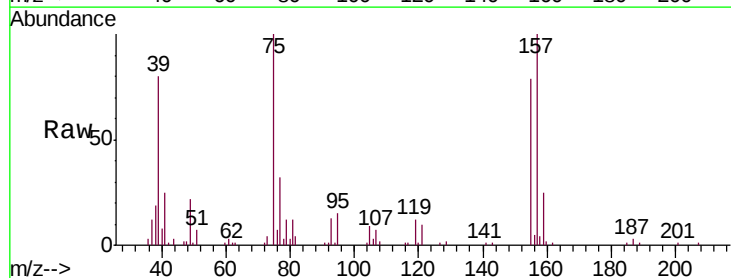
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

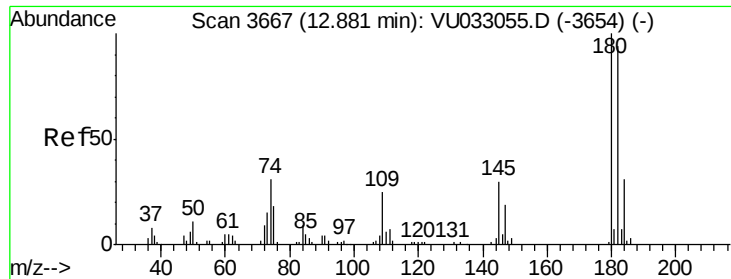
Tgt Ion: 146 Resp: 339512
 Ion Ratio Lower Upper
 146 100
 111 41.6 33.2 49.8
 148 63.5 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.315 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Tgt Ion: 75 Resp: 27015
 Ion Ratio Lower Upper
 75 100
 155 78.9 62.9 94.3
 157 99.9 82.0 123.0

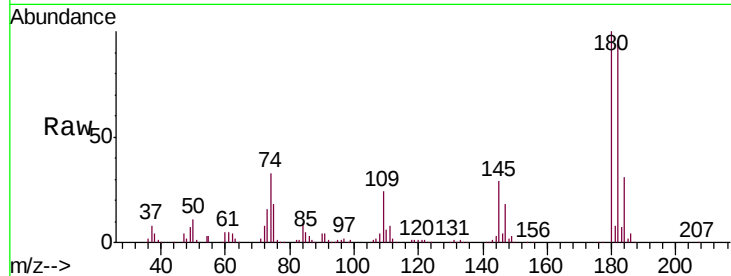




#67
 1,3,5-Trichlorobenzene
 Concen: 20.598 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.6	114.8
184	30.9	24.6	36.8
145	29.9	23.8	35.6



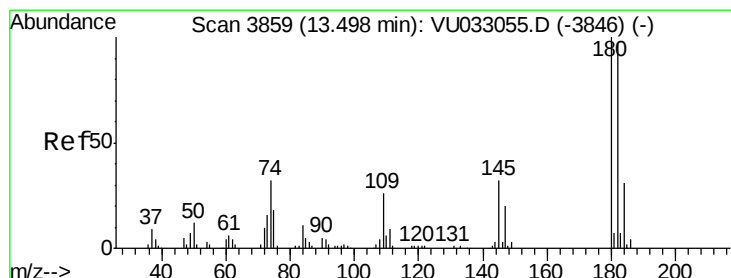
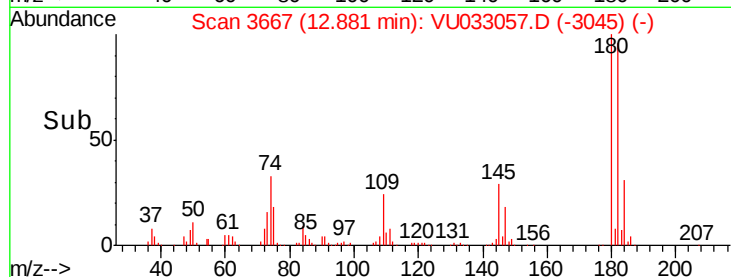
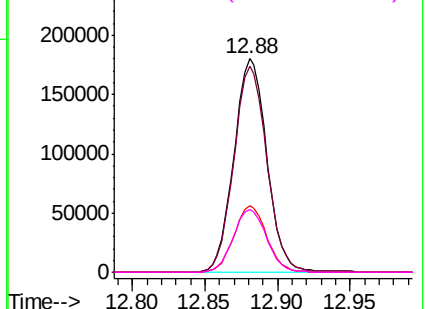
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

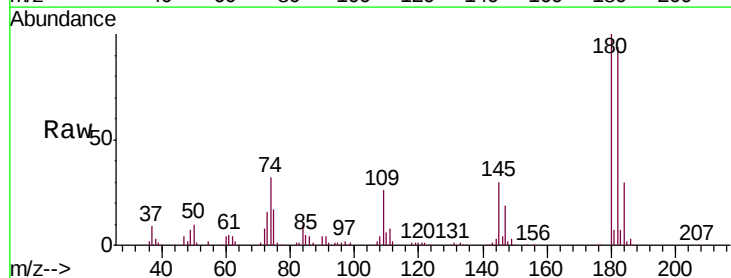
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.896 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU033057.D
 Acq: 27 Jun 2019 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	79.1	118.7
145	30.1	24.3	36.5

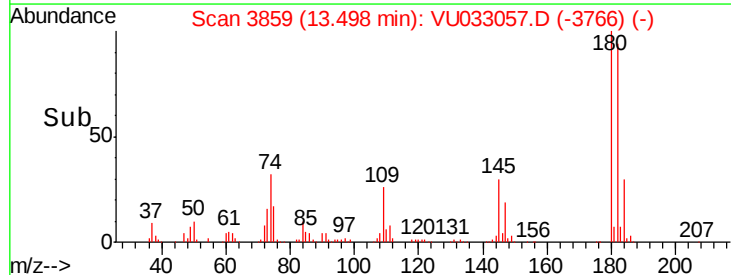
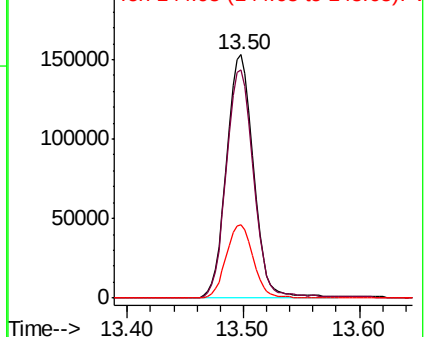


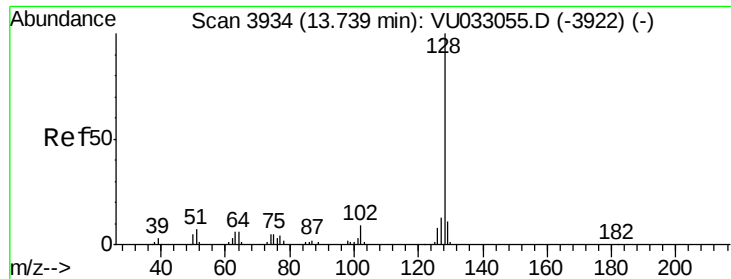
Abundance

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: 31.568 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD02005

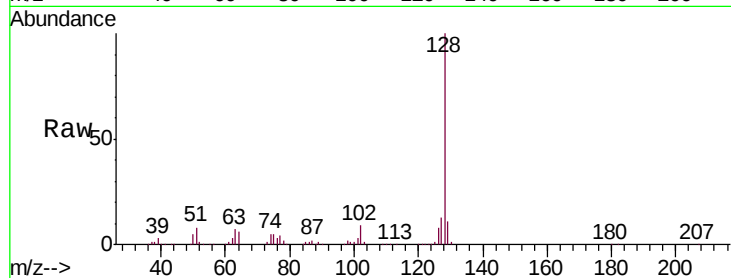
Tgt Ion:128 Resp: 416428

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

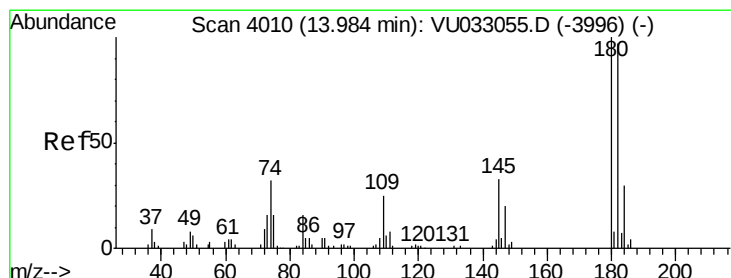
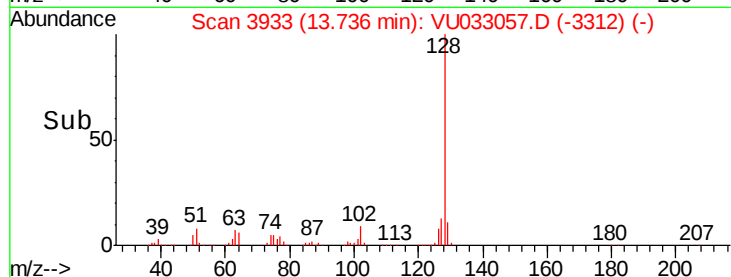
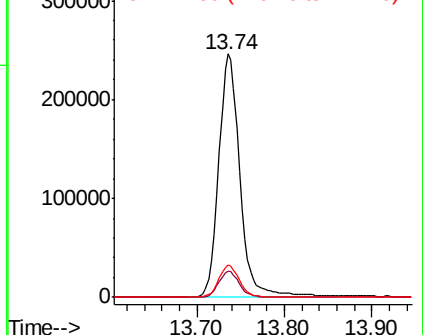
127 13.0 10.9 16.3



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: 23.358 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU033057.D

Acq: 27 Jun 2019 11:17

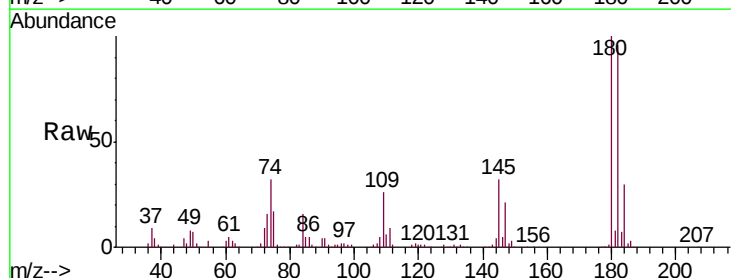
Tgt Ion:180 Resp: 226624

Ion Ratio Lower Upper

180 100

182 97.4 74.8 112.2

145 32.2 25.7 38.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

