

Data File : VU028980.D
Acq On : 27 Dec 2018 22:14
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Quant Time: Dec 28 03:13:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 28 03:05:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	113302	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	107365	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51820	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29668	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.68	69	26230	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.28	63	55190	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.00%
20) 2-Butanone-d5	4.21	46	83314	52.57	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.14%
24) Chloroform-d	4.65	84	58531	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.31	65	29015	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	118300	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.33	67	39775	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.56	98	110282	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.85	79	14285	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.31	63	69393	50.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.90%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	31995	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	41703	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	45642	4.600	ug/L 99
3) Chloromethane	1.32	50	51975	4.694	ug/L 99
5) Vinyl chloride	1.40	62	54999	4.861	ug/L 97
6) Bromomethane	1.63	94	24031	4.588	ug/L 96
8) Chloroethane	1.70	64	31186	4.830	ug/L 98
9) Trichlorofluoromethane	1.89	101	59481	4.598	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	34368	4.116	ug/L 99
12) 1,1-Dichloroethene	2.29	96	34264	4.221	ug/L 96
13) Acetone	2.34	43	54980	42.980	ug/L 99
14) Carbon disulfide	2.48	76	132999	4.689	ug/L 98
15) Methyl Acetate	2.62	43	17066	4.553	ug/L 99
16) Methylene chloride	2.70	84	43945	3.781	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	91968	4.614	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	40120	4.502	ug/L 98
19) 1,1-Dichloroethane	3.44	63	71921	4.753	ug/L 98
21) 2-Butanone	4.29	43	95867	50.092	ug/L 98
22) cis-1,2-Dichloroethene	4.22	96	42606	4.621	ug/L 97

Data File : VU028980.D
Acq On : 27 Dec 2018 22:14
Operator : MD/SY
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

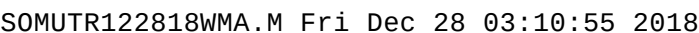
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

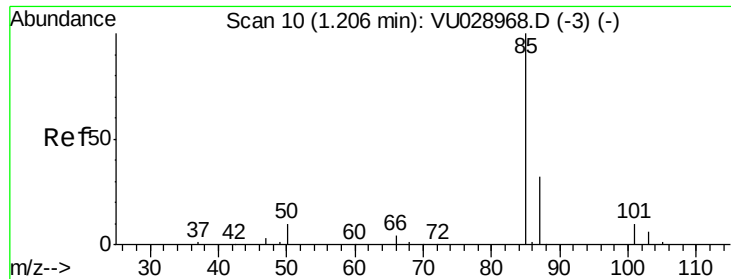
Quant Time: Dec 28 03:13:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 28 03:05:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	18840	5.035	ug/L	99
25) Chloroform	4.67	83	68478	4.763	ug/L	99
27) 1,2-Dichloroethane	5.41	62	41157	4.839	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	55369	4.696	ug/L	98
30) Cyclohexane	4.99	56	64301	4.551	ug/L	99
31) Carbon tetrachloride	5.13	117	43588	4.643	ug/L	97
33) Benzene	5.39	78	162219	4.725	ug/L	100
34) Trichloroethene	6.18	95	40837	4.652	ug/L	97
35) Methylcyclohexane	6.41	83	65304	4.331	ug/L	98
37) 1,2-Dichloropropane	6.43	63	42638	4.875	ug/L	100
38) Bromodichloromethane	6.76	83	47204	4.794	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	58725	4.683	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	237071	50.940	ug/L	98
42) Toluene	7.64	91	171316	4.662	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	47145	4.824	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	28683	4.819	ug/L	94
47) Tetrachloroethene	8.22	164	31739	4.366	ug/L	94
48) 2-Hexanone	8.37	43	165937	51.545	ug/L	97
49) Dibromochloromethane	8.48	129	30371	4.806	ug/L	100
50) 1,2-Dibromoethane	8.58	107	26685	4.793	ug/L	97
51) Chlorobenzene	9.12	112	106664	4.628	ug/L	95
52) Ethylbenzene	9.25	91	182972	4.693	ug/L	97
53) m,p-xylene	9.37	106	69981	4.717	ug/L	98
54) o-xylene	9.78	106	67499	4.687	ug/L	99
55) Styrene	9.79	104	113604	4.739	ug/L	100
56) Isopropylbenzene	10.16	105	175601	4.623	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	36112	4.956	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	24612	4.827	ug/L	100
61) Bromoform	9.96	173	17387	4.918	ug/L	92
62) 1,3-Dichlorobenzene	11.41	146	82763	4.725	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	83825	4.690	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	79437	4.792	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	5044	5.154	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	64635	4.769	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	53743	4.758	ug/L	97
69) Naphthalene	13.74	128	92707	4.798	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	51223	4.754	ug/L	99

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

Quant Time: Dec 28 03:13:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 28 03:05:23 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.600 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

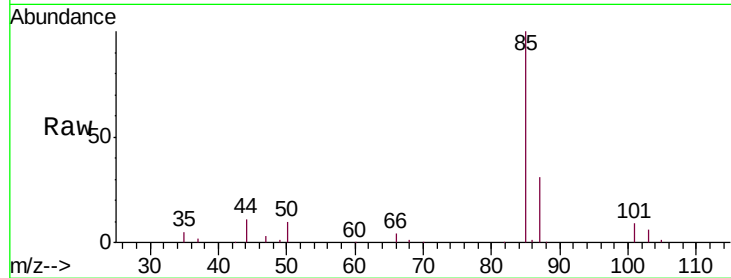
VSTD00550

Tgt Ion: 85 Resp: 45642

Ion Ratio Lower Upper

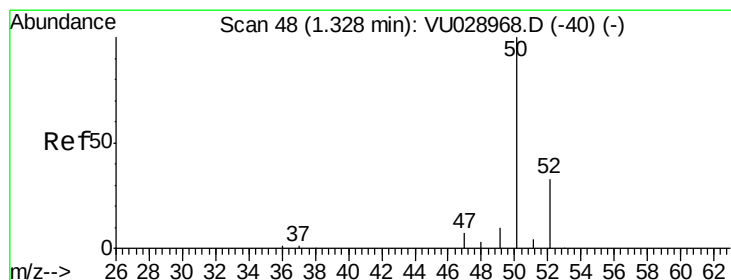
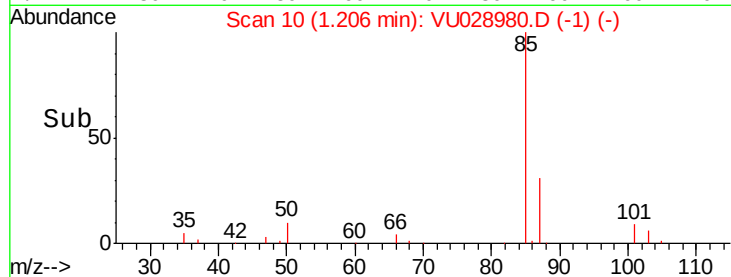
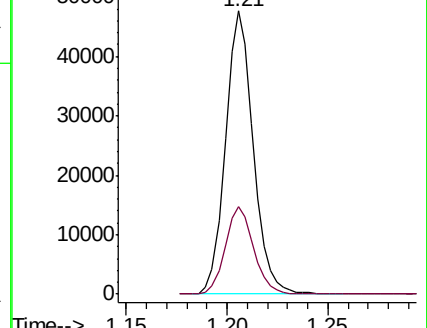
85 100

87 31.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU028968.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU028968.D (-3) (-)



#3

Chloromethane

Concen: 4.694 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028980.D

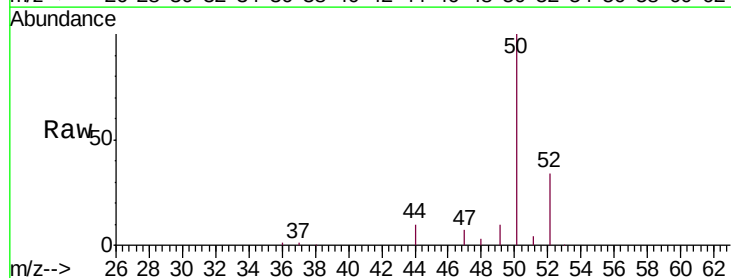
Acq: 27 Dec 2018 22:14

Tgt Ion: 50 Resp: 51975

Ion Ratio Lower Upper

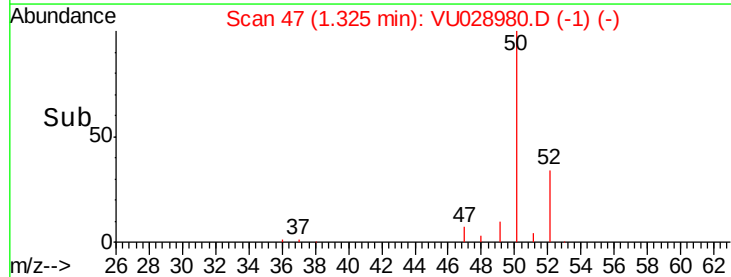
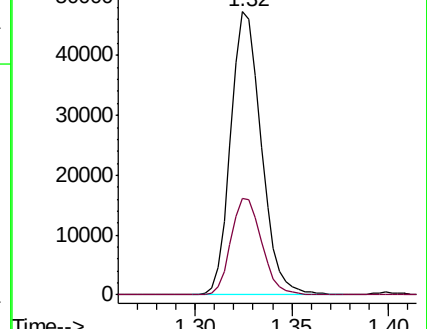
50 100

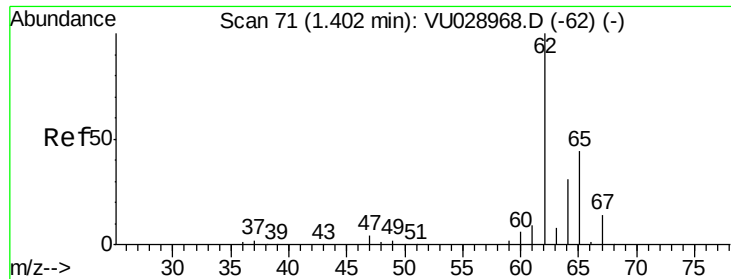
52 34.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU028968.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VU028968.D (-40) (-)





#5

Vinyl chloride

Concen: 4.861 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

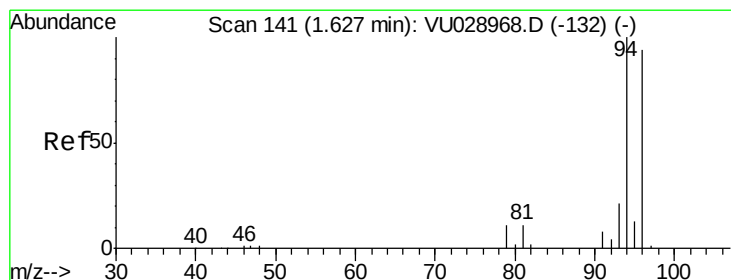
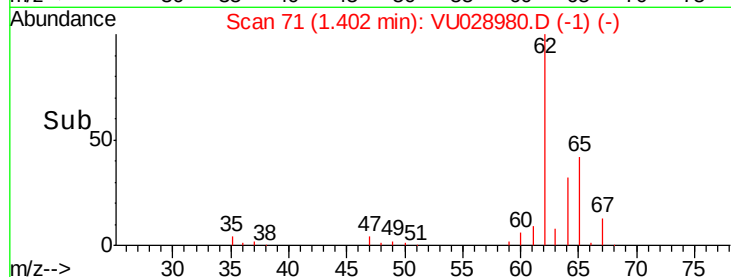
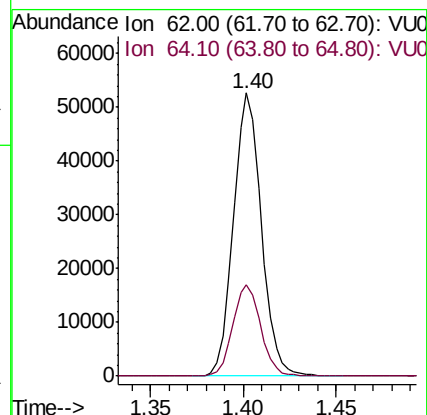
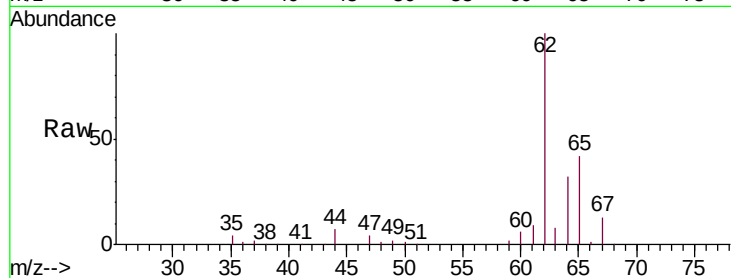
VSTD00550

Tgt Ion: 62 Resp: 54999

Ion Ratio Lower Upper

62 100

64 32.4 21.6 40.2



#6

Bromomethane

Concen: 4.588 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028980.D

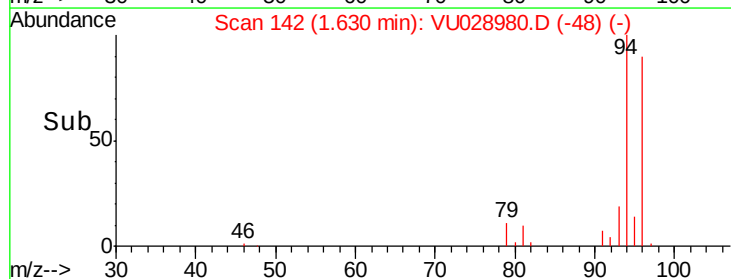
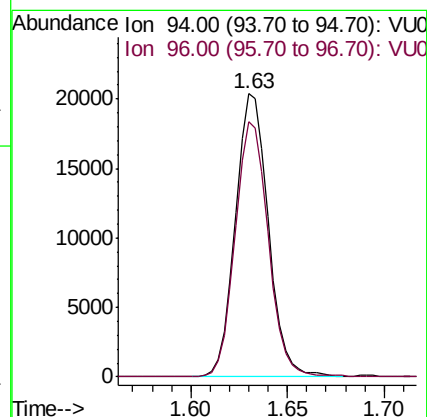
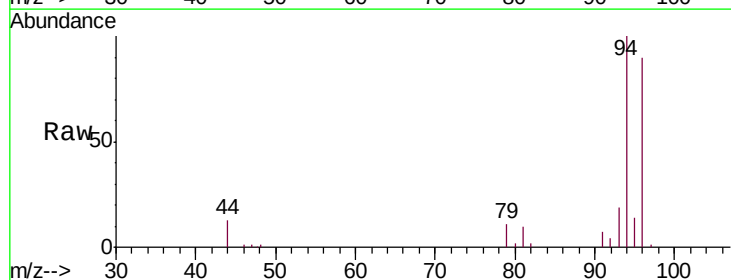
Acq: 27 Dec 2018 22:14

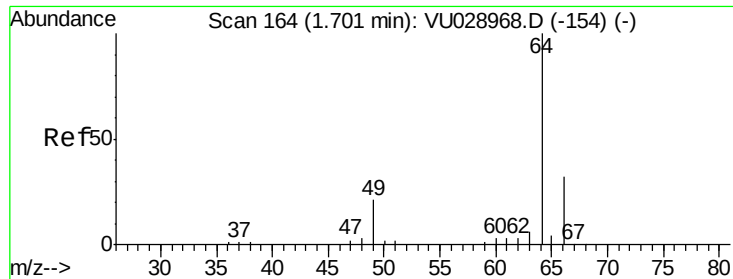
Tgt Ion: 94 Resp: 24031

Ion Ratio Lower Upper

94 100

96 90.1 66.0 122.6





#8

Chloroethane

Concen: 4.830 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

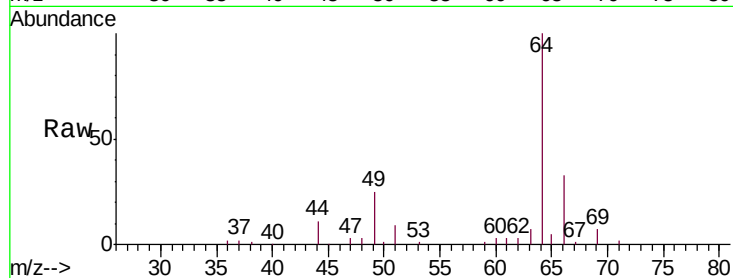
VSTD00550

Tgt Ion: 64 Resp: 31186

Ion Ratio Lower Upper

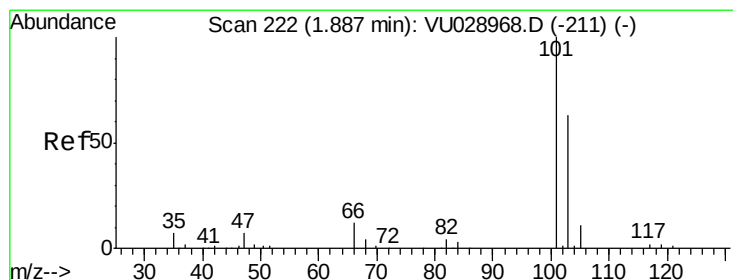
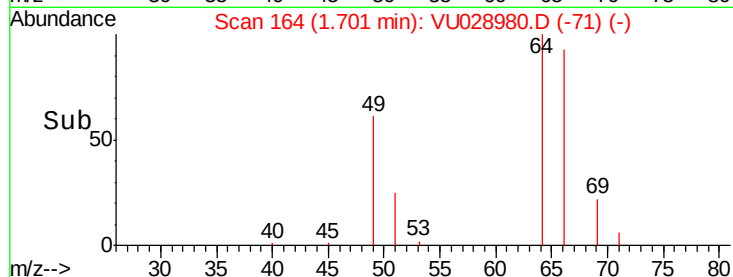
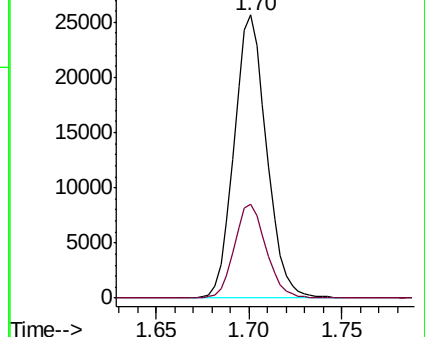
64 100

66 33.2 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU028968.D (-154) (-)

Ion 66.05 (65.75 to 66.75): VU028968.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 4.598 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU028980.D

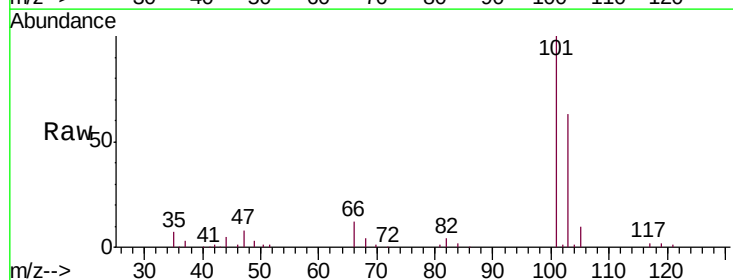
Acq: 27 Dec 2018 22:14

Tgt Ion: 101 Resp: 59481

Ion Ratio Lower Upper

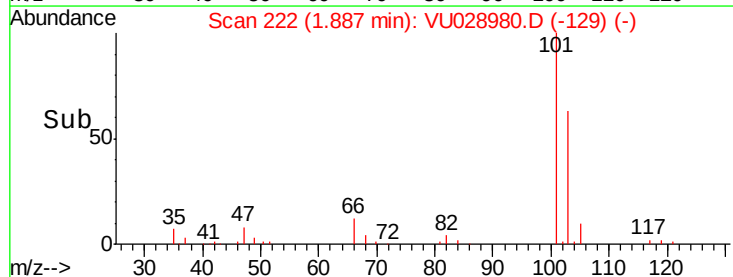
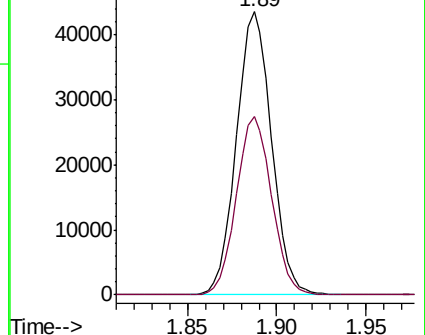
101 100

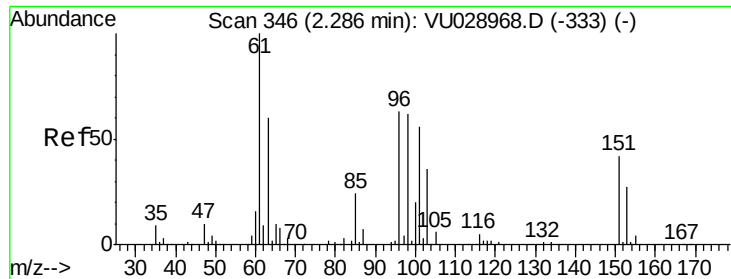
103 63.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU028968.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU028968.D (-211) (-)





#10

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

Concen: 4.116 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampled :

VSTD00550

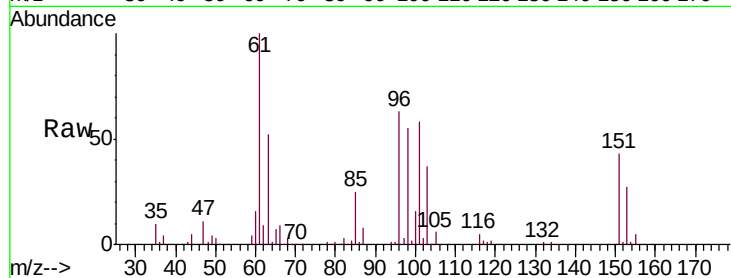
Tgt Ion: 101 Resp: 34368

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.6

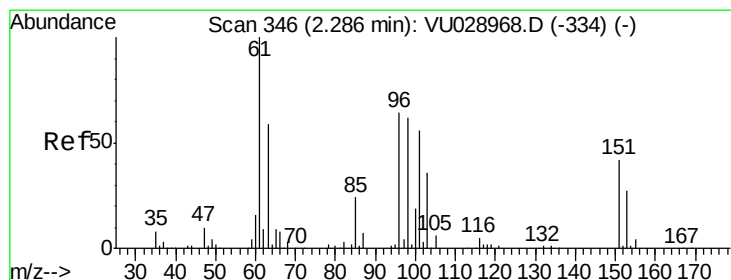
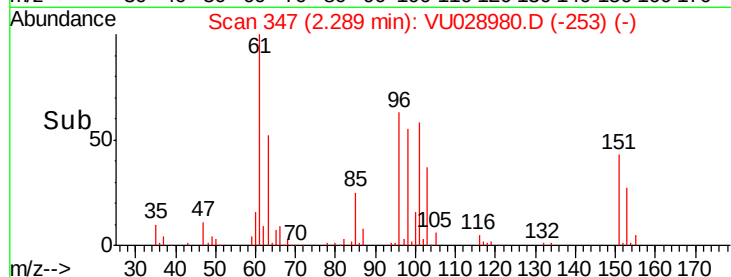
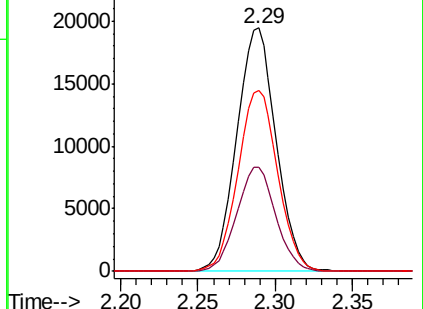
151 75.2 60.9 91.3



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: 4.221 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

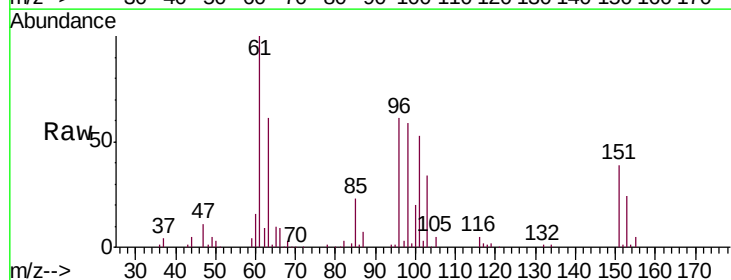
Tgt Ion: 96 Resp: 34264

Ion Ratio Lower Upper

96 100

61 163.7 110.5 205.3

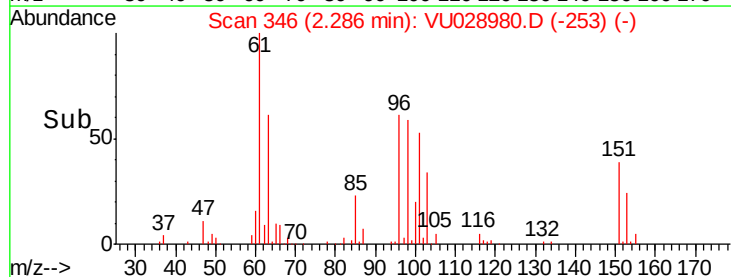
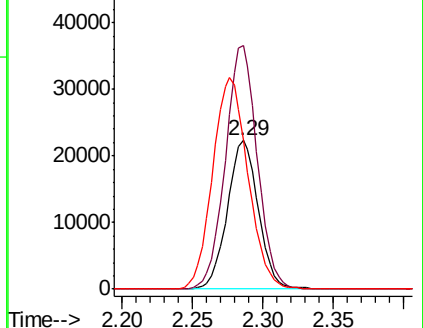
63 99.9 67.6 125.6

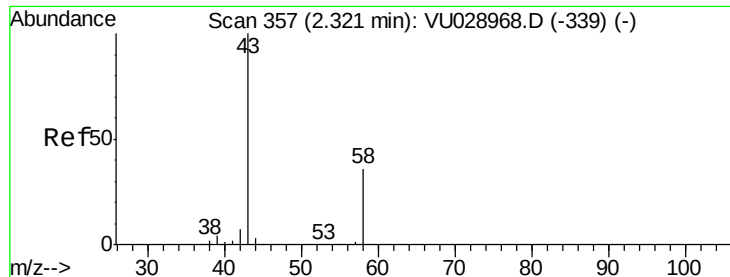


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.980 ug/L

RT: 2.34 min Scan# 363

Delta R.T. 0.02 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampled :

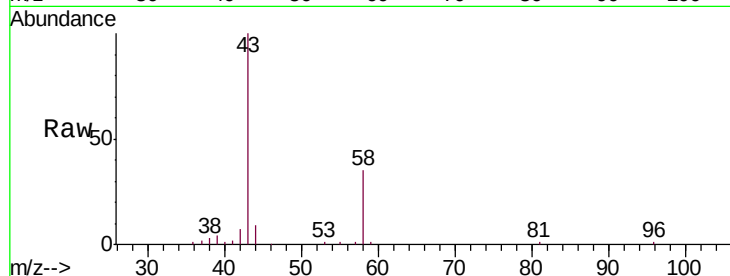
VSTD00550

Tgt Ion: 43 Resp: 54980

Ion Ratio Lower Upper

43 100

58 36.7 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU028980.D (-363) (-)

Ion 58.05 (57.75 to 58.75): VU028980.D (-363) (-)

2.34

25000

20000

15000

10000

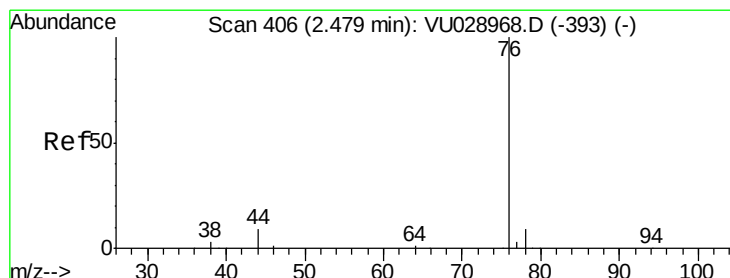
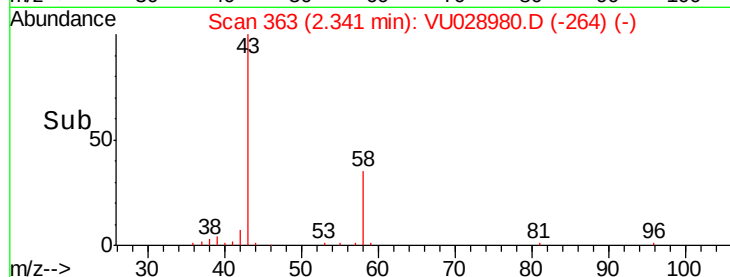
5000

0

Time-->

2.30

2.40



#14

Carbon disulfide

Concen: 4.689 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028980.D

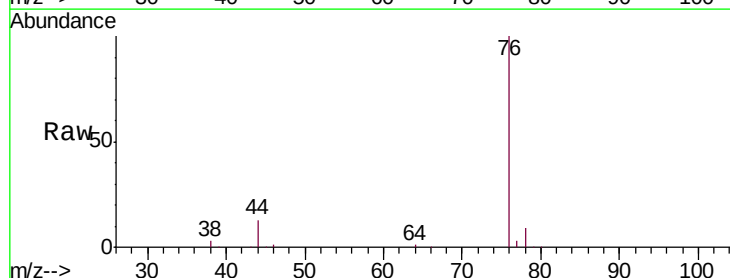
Acq: 27 Dec 2018 22:14

Tgt Ion: 76 Resp: 132999

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU028980.D (-406) (-)

Ion 78.00 (77.70 to 78.70): VU028980.D (-406) (-)

2.48

100000

80000

60000

40000

20000

0

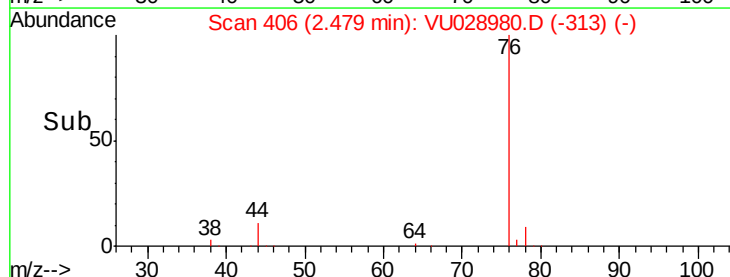
Time-->

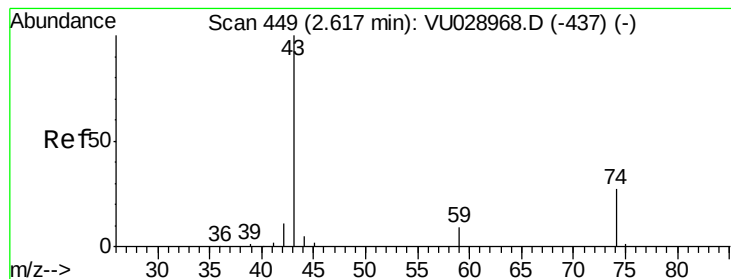
2.40

2.45

2.50

2.55





#15

Methyl Acetate

Concen: 4.553 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampled :

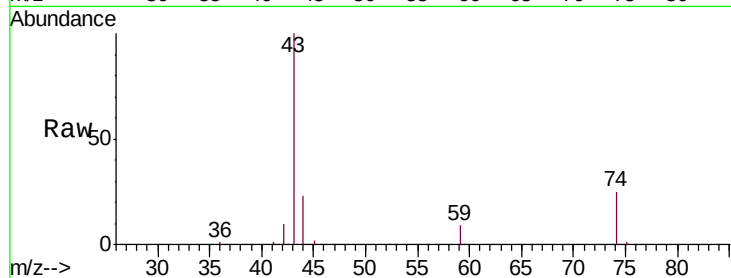
VSTD00550

Tgt Ion: 43 Resp: 17066

Ion Ratio Lower Upper

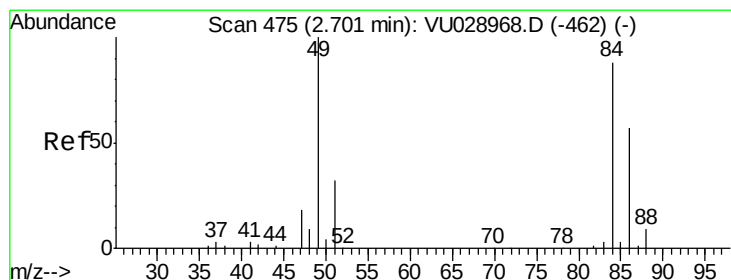
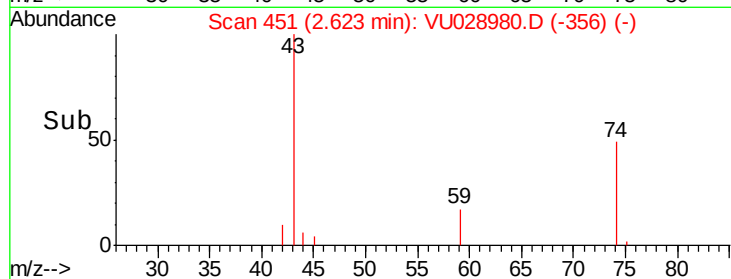
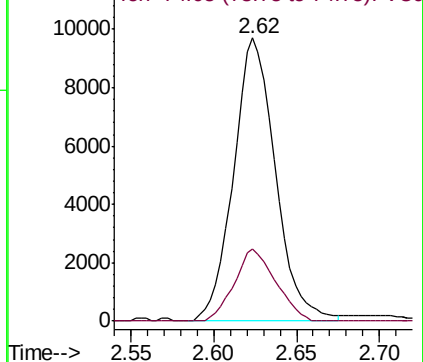
43 100

74 25.0 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 3.781 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

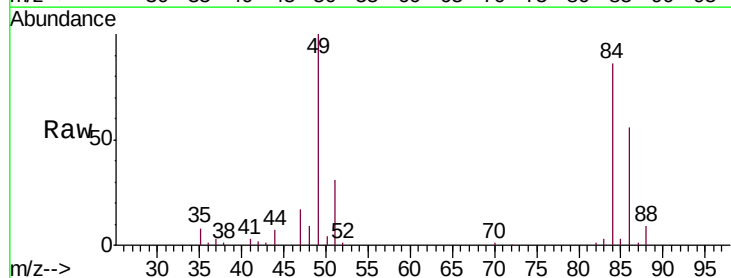
Tgt Ion: 84 Resp: 43945

Ion Ratio Lower Upper

84 100

86 64.4 45.6 84.6

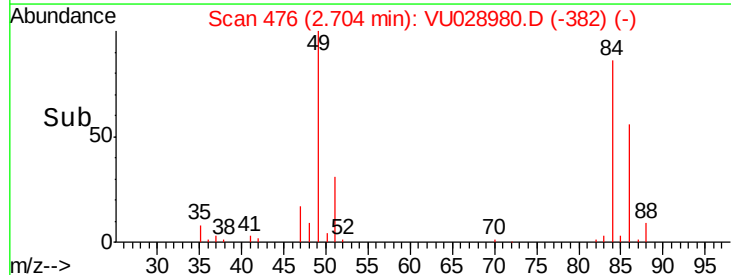
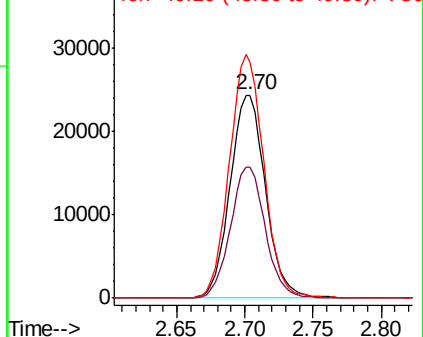
49 116.0 79.7 148.1

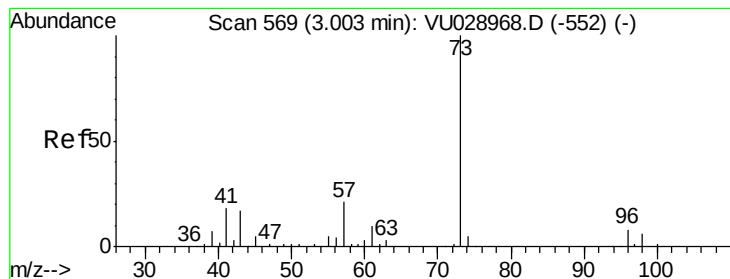


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 4.614 ug/L

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

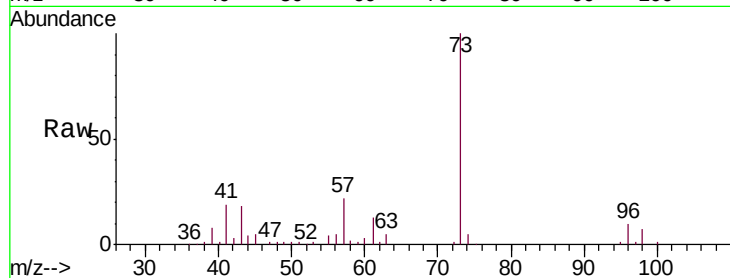
Tgt Ion: 73 Resp: 91968

Ion Ratio Lower Upper

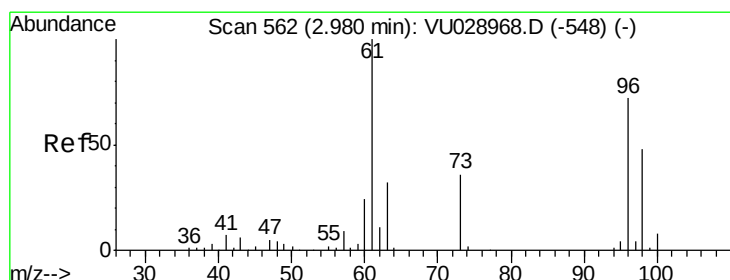
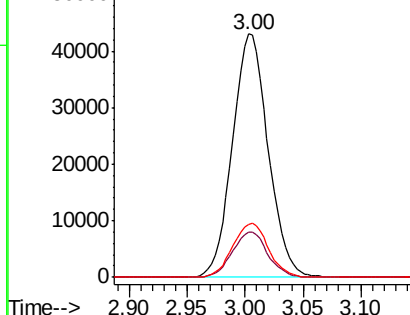
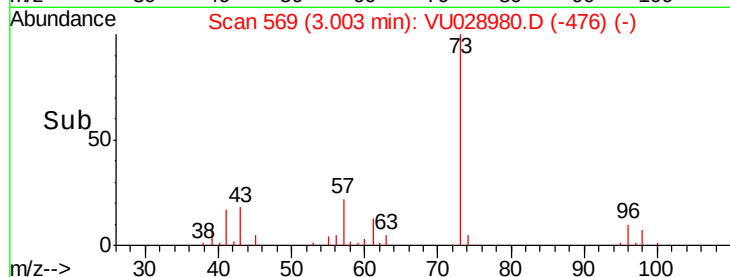
73 100

43 18.5 13.8 20.8

57 22.3 17.5 26.3



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: 4.502 ug/L

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

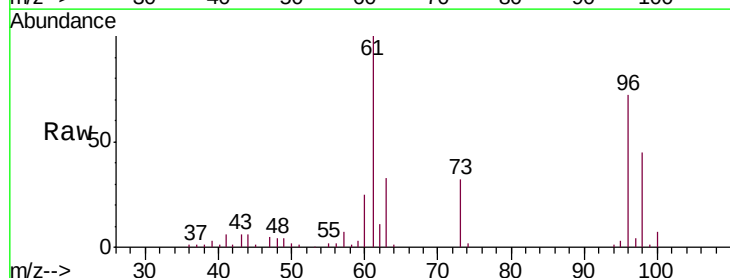
Tgt Ion: 96 Resp: 40120

Ion Ratio Lower Upper

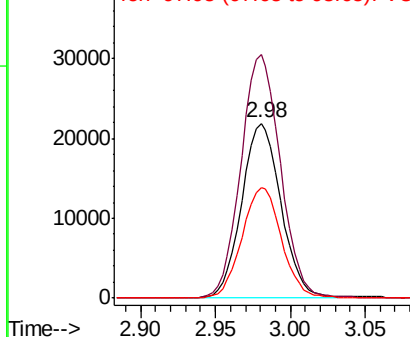
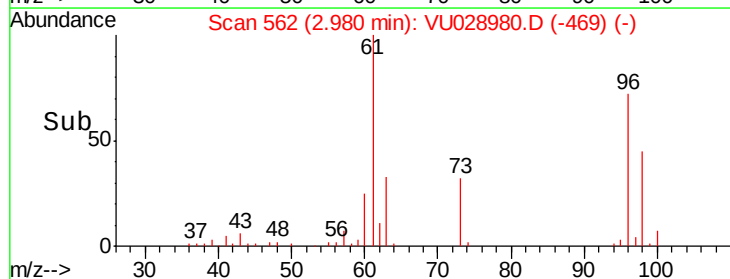
96 100

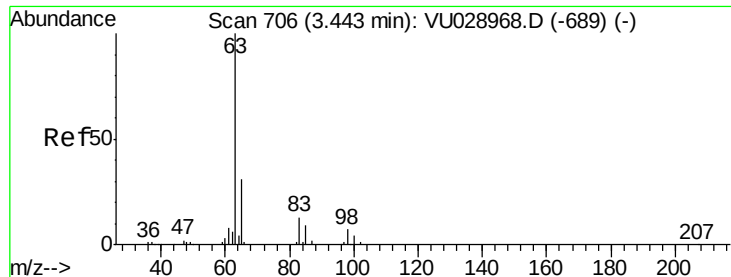
61 139.2 96.6 179.4

98 63.2 46.0 85.4



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

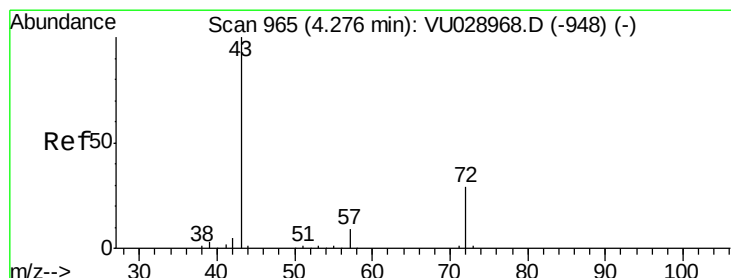
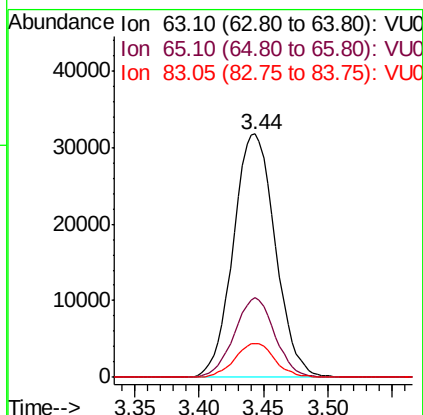
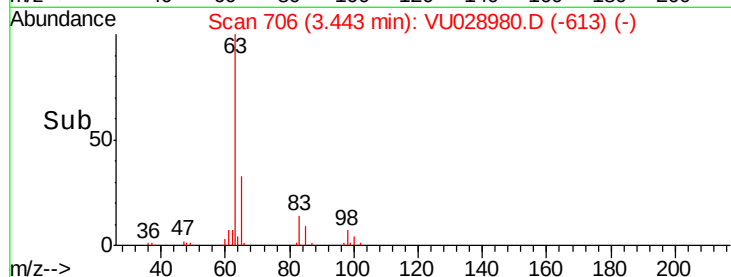
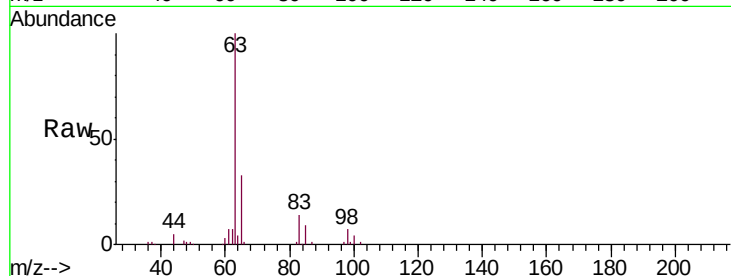




#19
 1,1-Dichloroethane
 Concen: 4.753 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

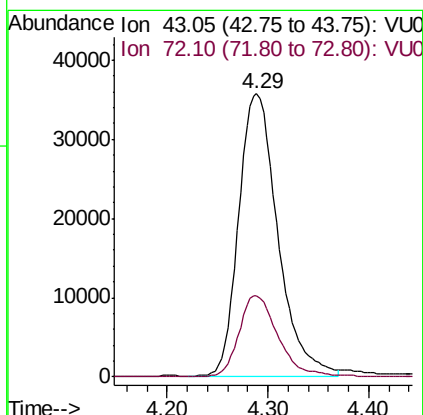
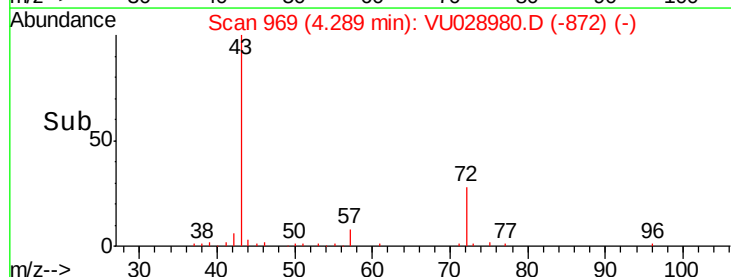
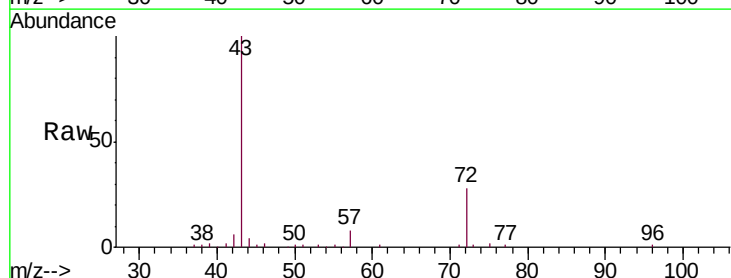
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

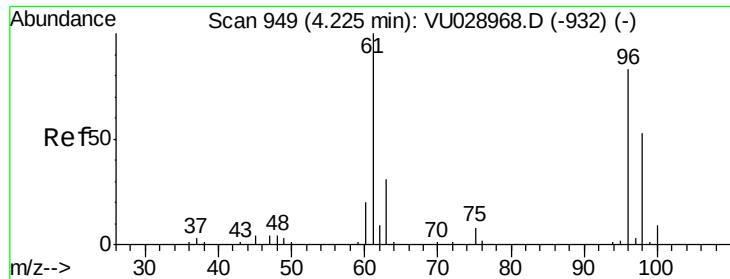
Tgt Ion: 63 Resp: 71921
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.8 40.6
 83 14.1 9.3 17.3



#21
 2-Butanone
 Concen: 50.092 ug/L
 RT: 4.29 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion: 43 Resp: 95867
 Ion Ratio Lower Upper
 43 100
 72 29.2 15.2 45.5



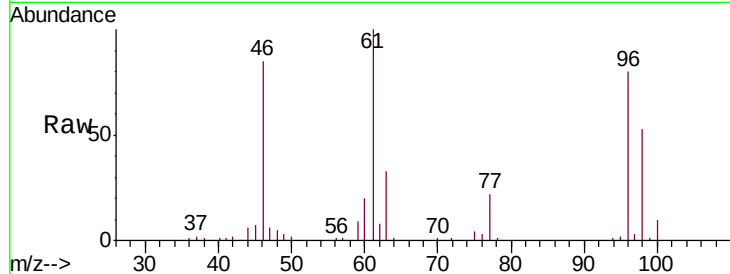


#22

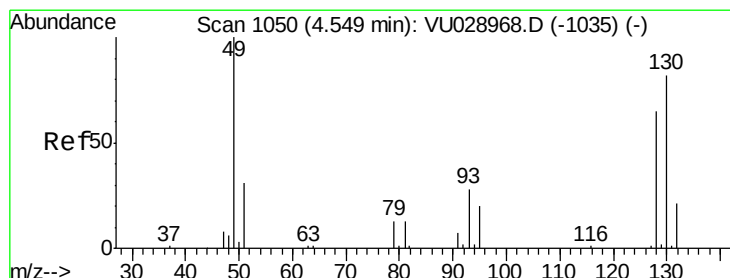
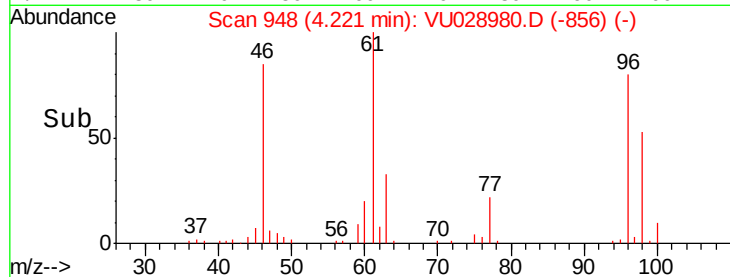
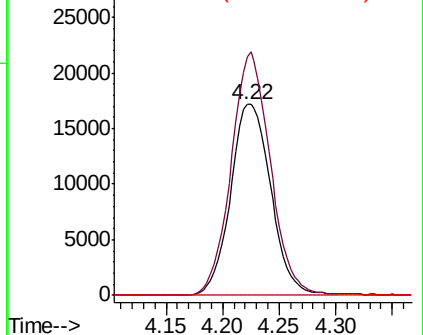
cis-1,2-Dichloroethene
 Concen: 4.621 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion: 96 Resp: 42606
 Ion Ratio Lower Upper
 96 100
 61 124.7 84.7 157.3
 68 0.0 0.0 0.0



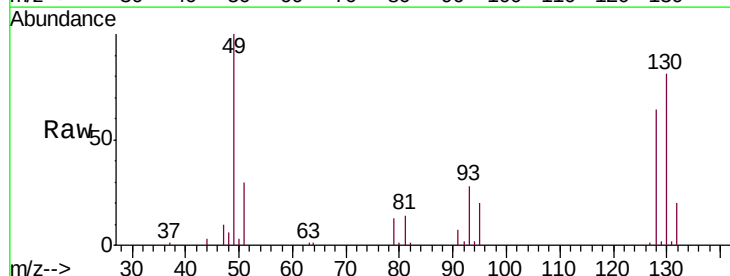
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



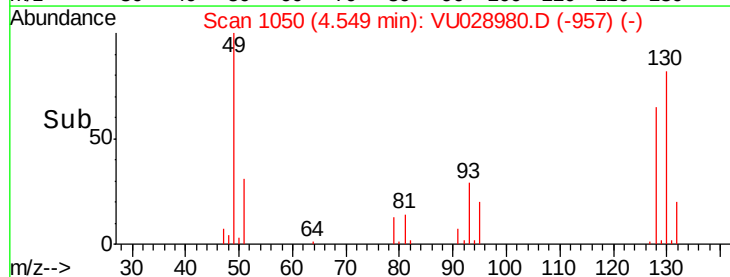
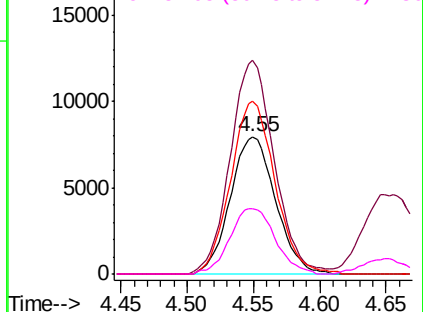
#23

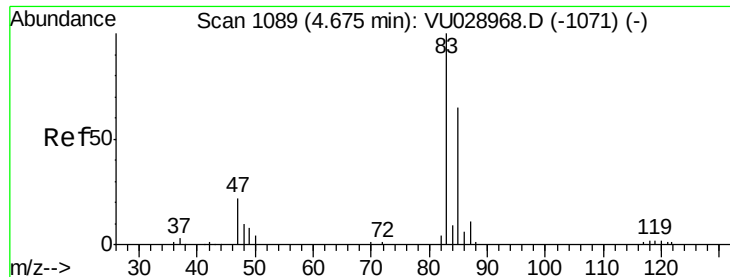
Bromochloromethane
 Concen: 5.035 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion: 128 Resp: 18840
 Ion Ratio Lower Upper
 128 100
 49 155.6 109.3 202.9
 130 125.8 88.7 164.7
 51 47.4 38.8 58.2



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

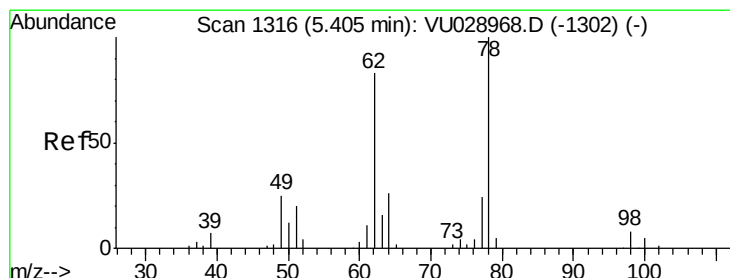
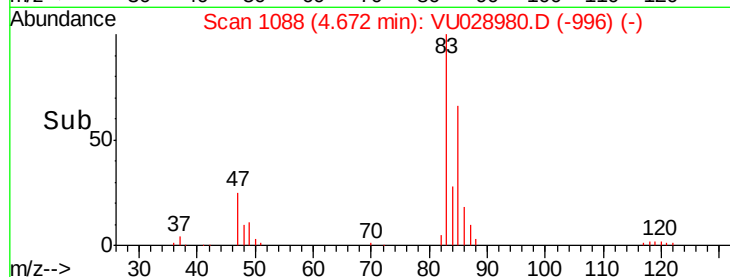
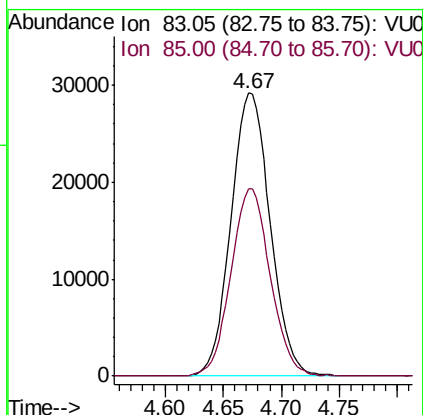
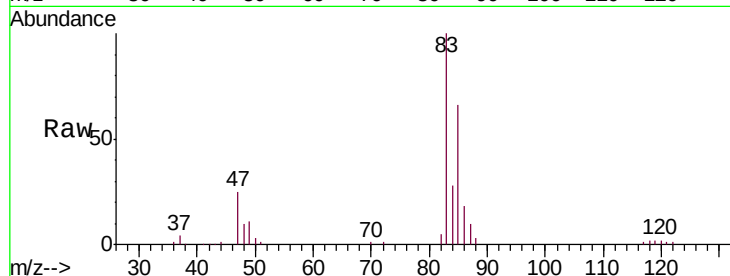




#25
Chloroform
Concen: 4.763 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028980.D
Acq: 27 Dec 2018 22:14

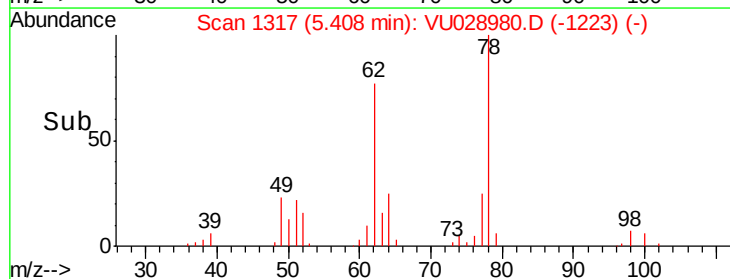
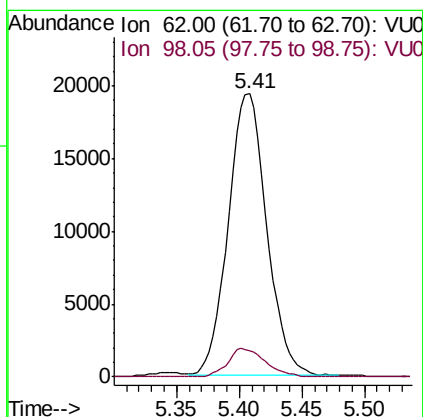
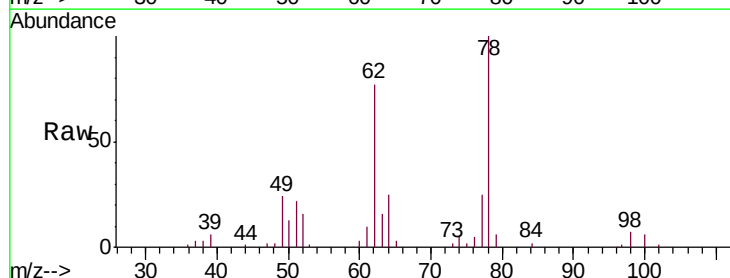
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

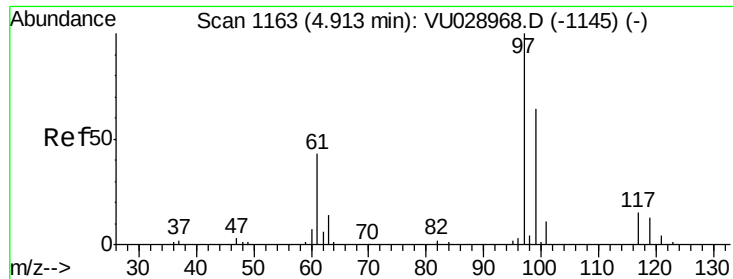
Tgt Ion: 83 Resp: 68478
Ion Ratio Lower Upper
83 100
85 66.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 4.839 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU028980.D
Acq: 27 Dec 2018 22:14

Tgt Ion: 62 Resp: 41157
Ion Ratio Lower Upper
62 100
98 9.4 8.2 12.2

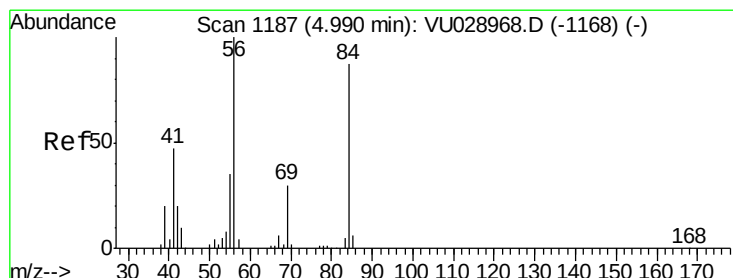
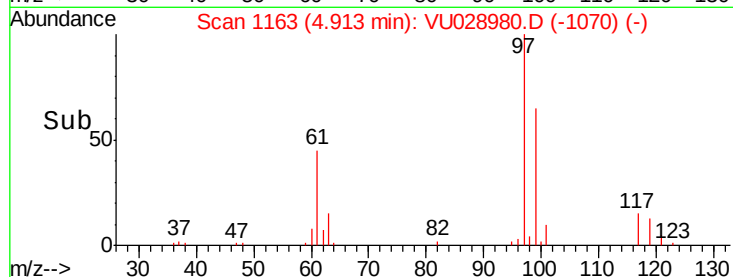
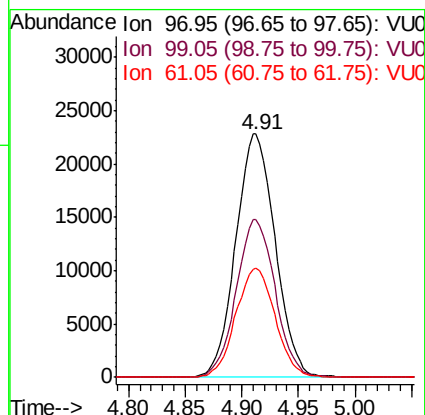
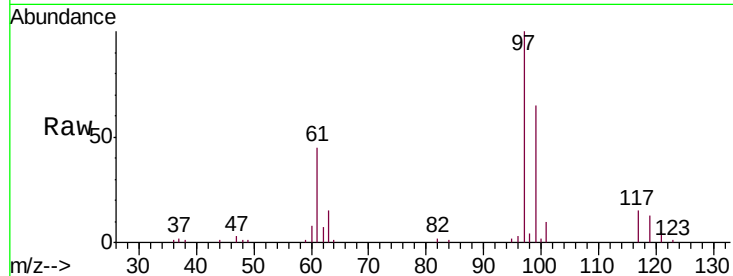




#29
 1,1,1-Trichloroethane
 Concen: 4.696 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. 0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

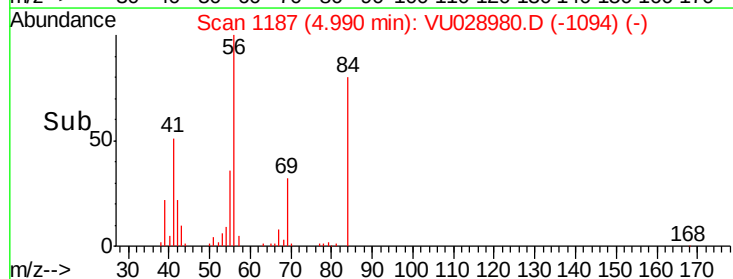
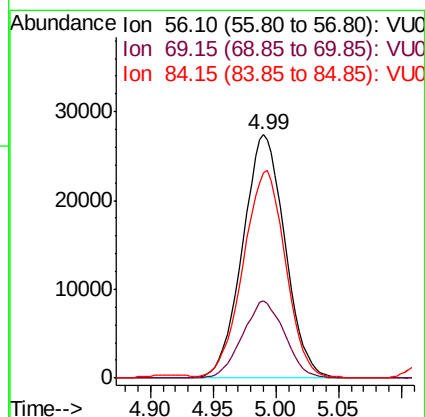
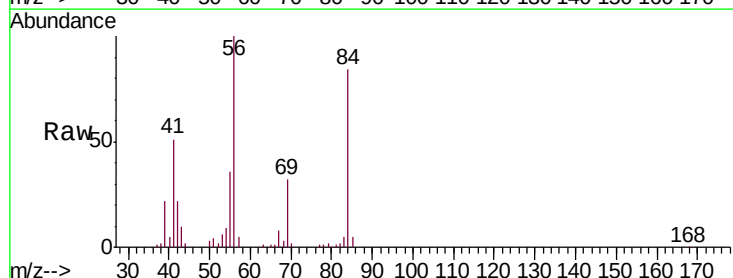
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

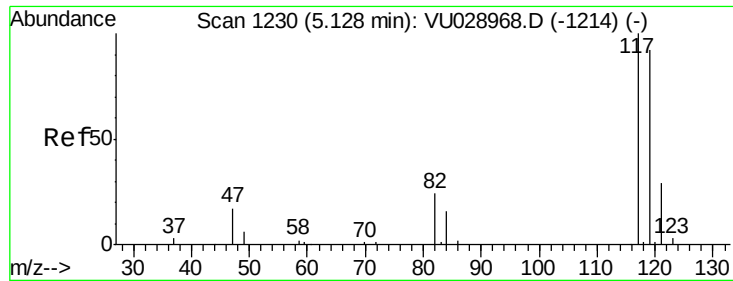
Tgt Ion: 97 Resp: 55369
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.6 77.4
 61 44.7 34.1 51.1



#30
 Cyclohexane
 Concen: 4.551 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion: 56 Resp: 64301
 Ion Ratio Lower Upper
 56 100
 69 31.6 24.8 37.2
 84 85.7 69.1 103.7

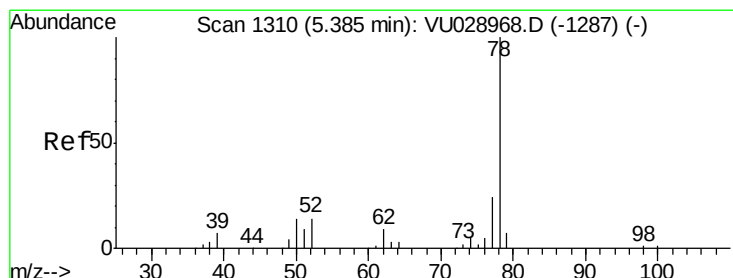
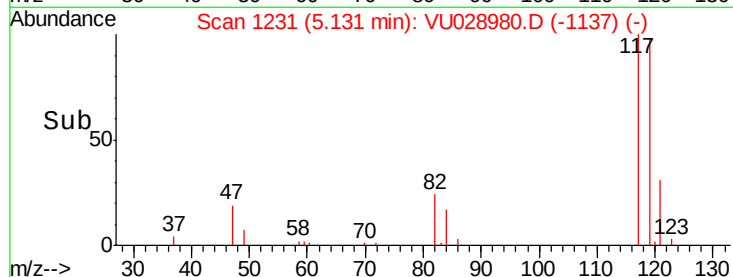
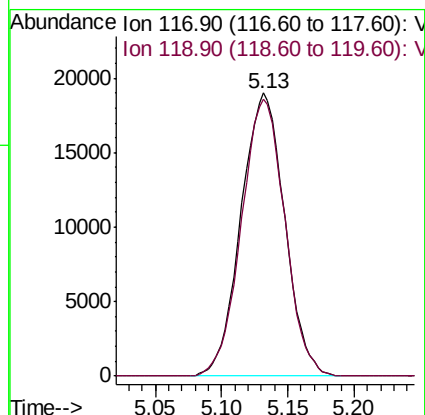
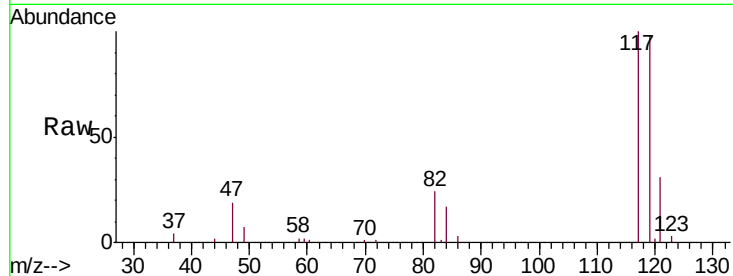




#31
Carbon tetrachloride
Concen: 4.643 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028980.D
Acq: 27 Dec 2018 22:14

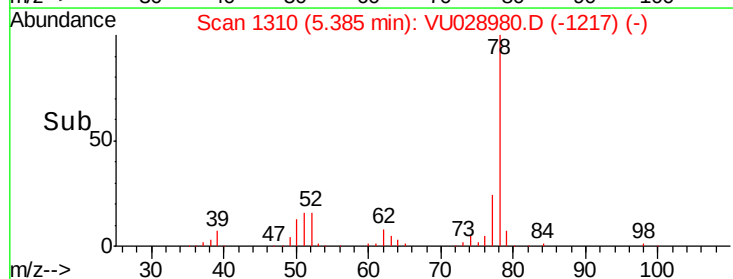
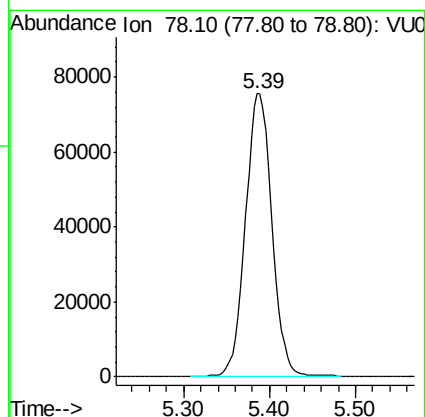
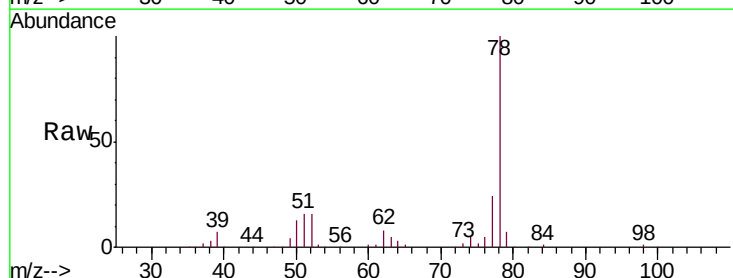
Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

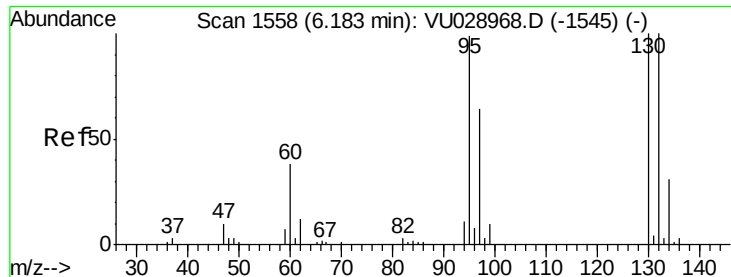
Tgt Ion:117 Resp: 43588
Ion Ratio Lower Upper
117 100
119 97.2 75.4 113.2



#33
Benzene
Concen: 4.725 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU028980.D
Acq: 27 Dec 2018 22:14

Tgt Ion: 78 Resp: 162219





#34

Trichloroethene

Concen: 4.652 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

Tgt Ion: 95 Resp: 40837

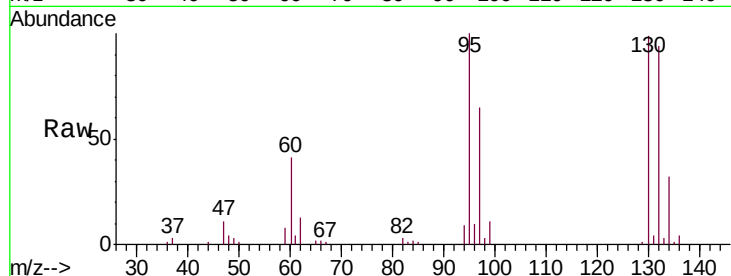
Ion Ratio Lower Upper

95 100

97 65.2 45.4 84.2

132 94.3 70.8 131.6

130 99.2 70.7 131.3

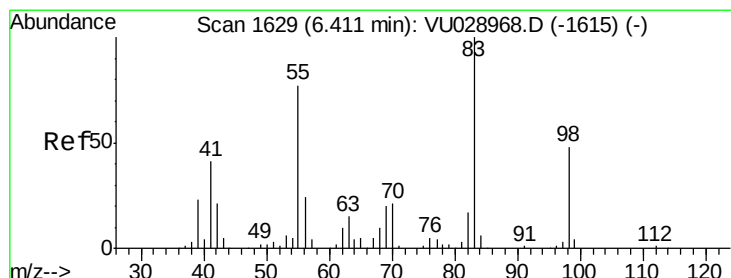
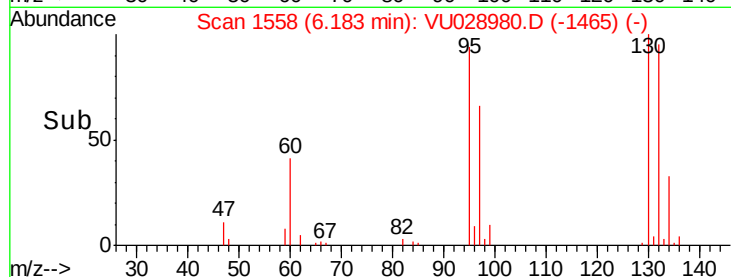
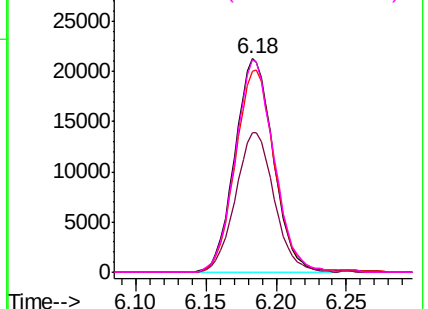


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.331 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

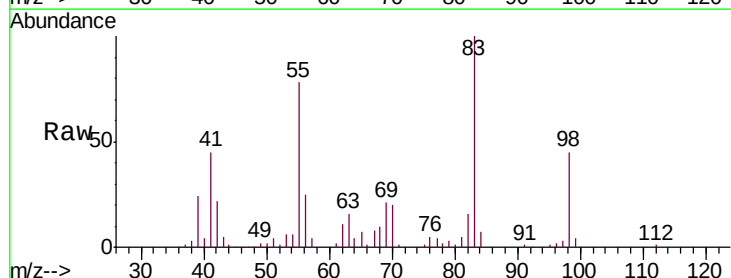
Tgt Ion: 83 Resp: 65304

Ion Ratio Lower Upper

83 100

55 77.3 59.8 89.6

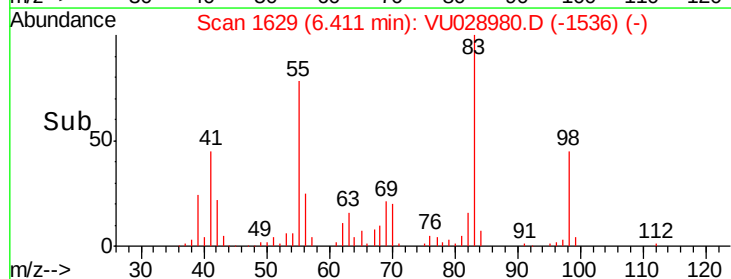
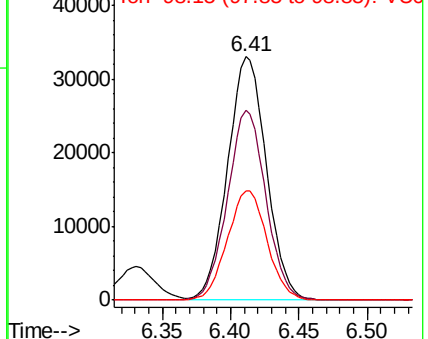
98 45.8 37.0 55.6

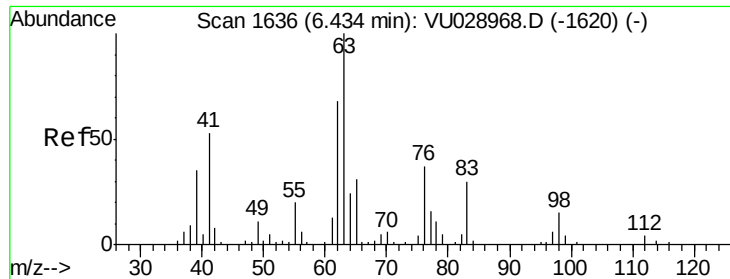


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

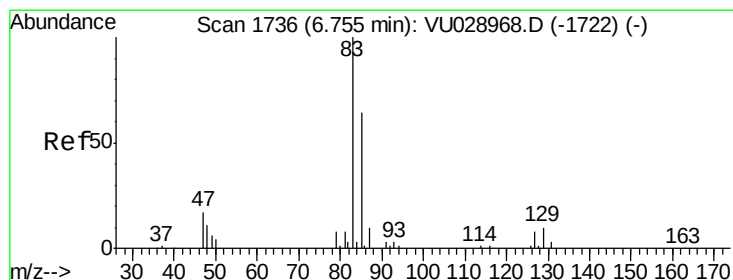
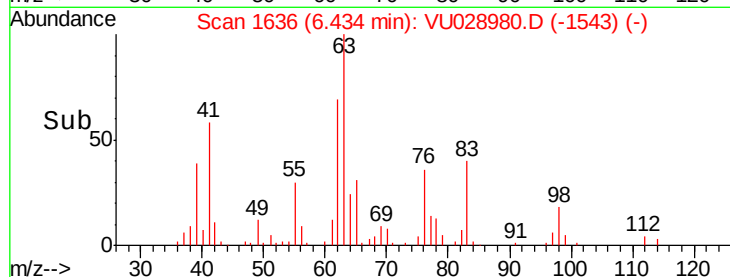
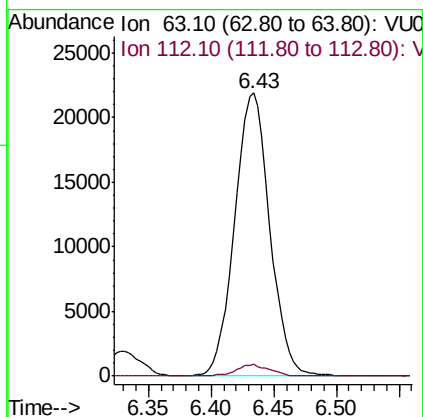
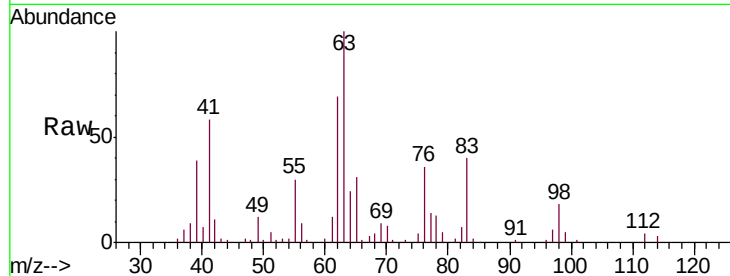




#37
 1,2-Dichloropropane
 Concen: 4.875 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

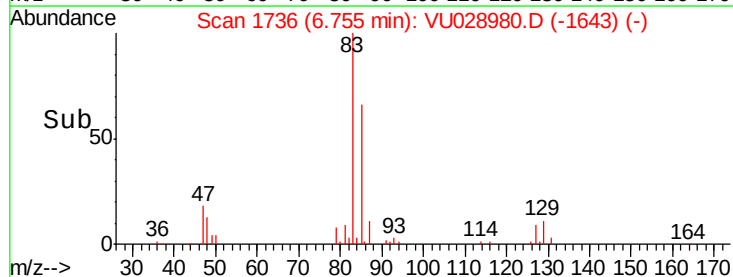
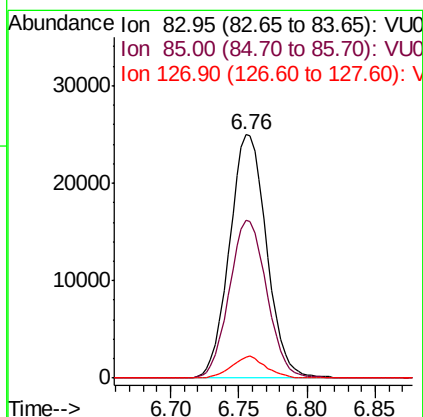
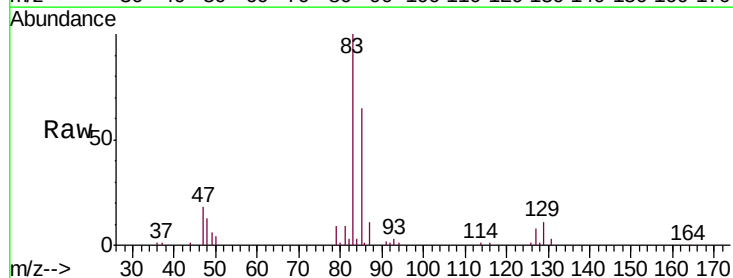
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

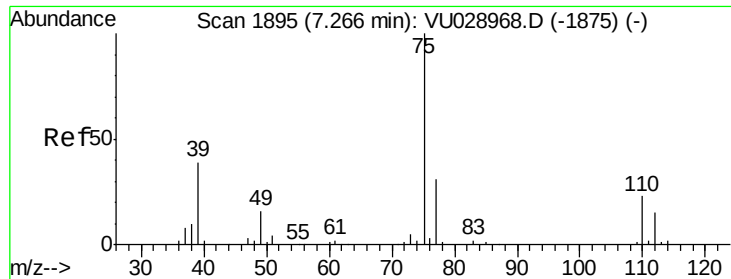
Tgt Ion: 63 Resp: 42638
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.794 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion: 83 Resp: 47204
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.1 83.9
 127 8.5 6.8 10.2

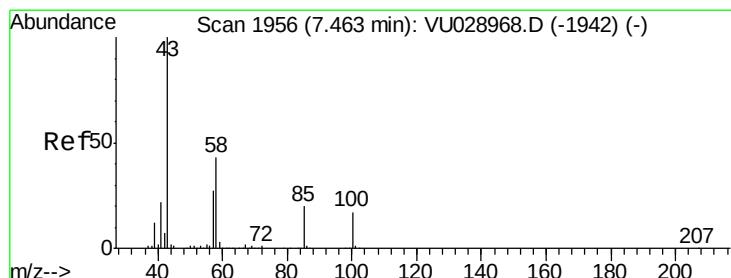
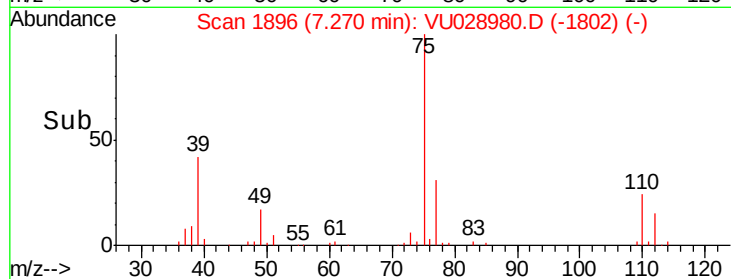
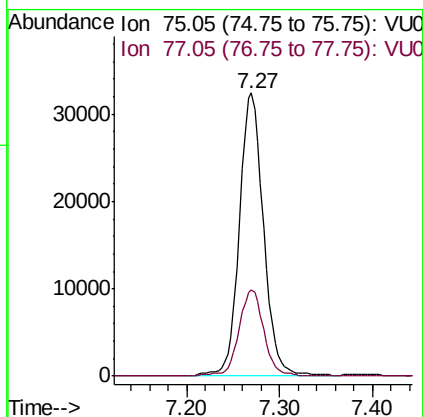
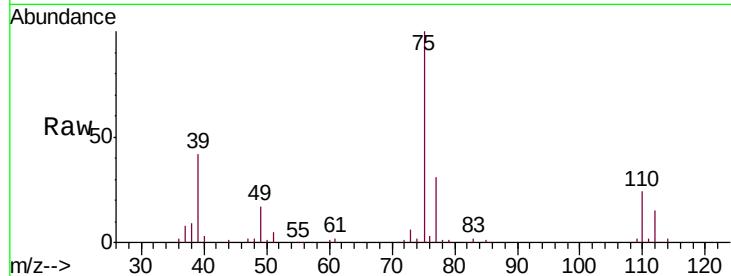




#39
 cis-1,3-Dichloropropene
 Concen: 4.683 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

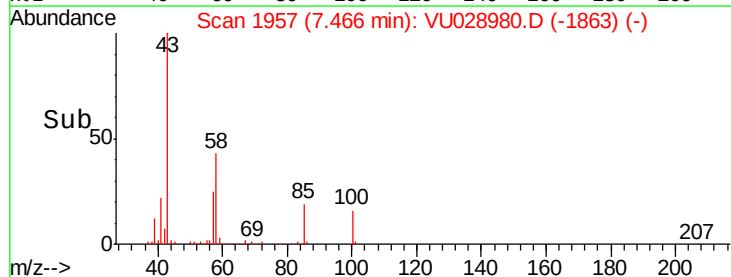
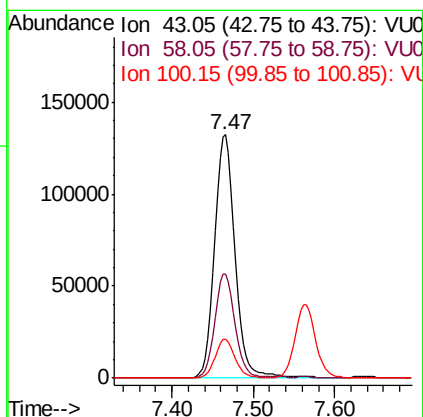
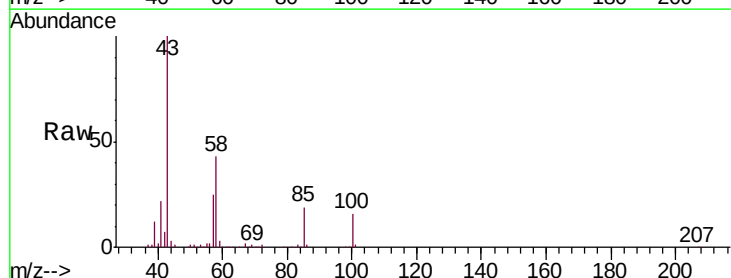
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

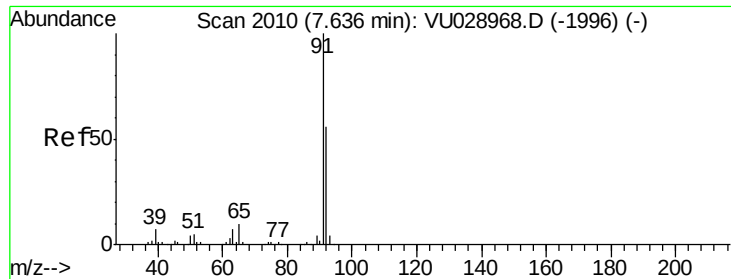
Tgt Ion: 75 Resp: 58725
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 50.940 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion: 43 Resp: 237071
 Ion Ratio Lower Upper
 43 100
 58 42.0 34.6 51.8
 100 15.5 13.4 20.0





#42

Toluene

Concen: 4.662 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

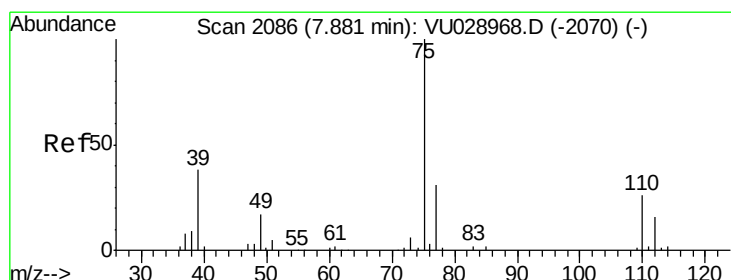
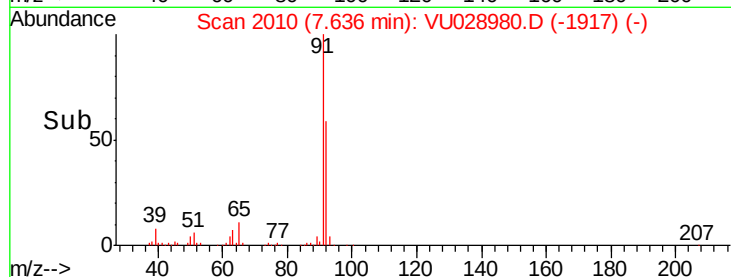
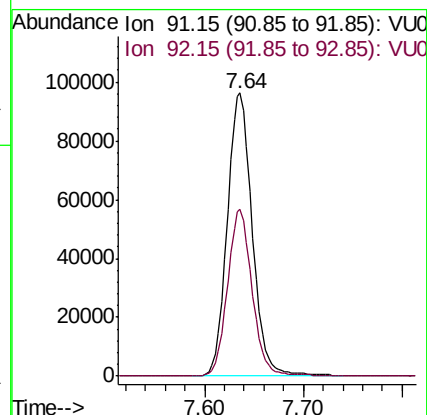
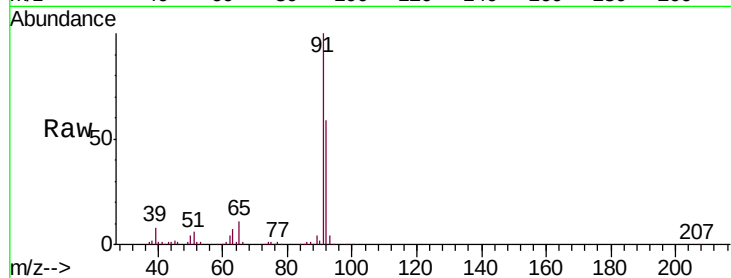
VSTD00550

Tgt Ion: 91 Resp: 171316

Ion Ratio Lower Upper

91 100

92 59.1 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 4.824 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU028980.D

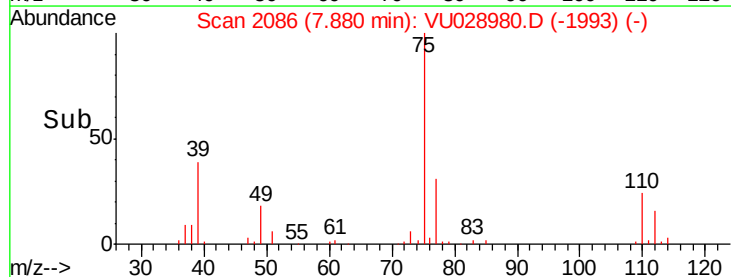
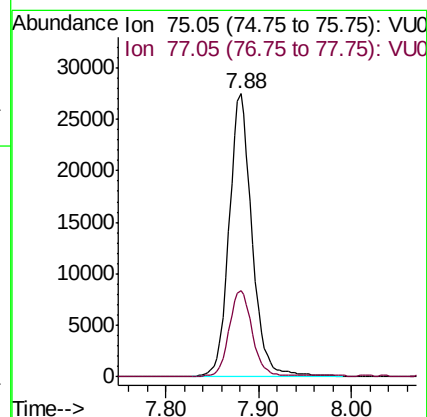
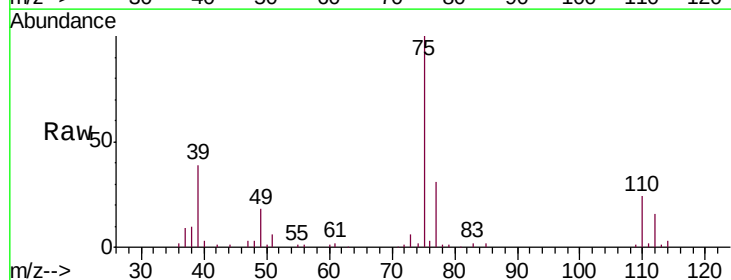
Acq: 27 Dec 2018 22:14

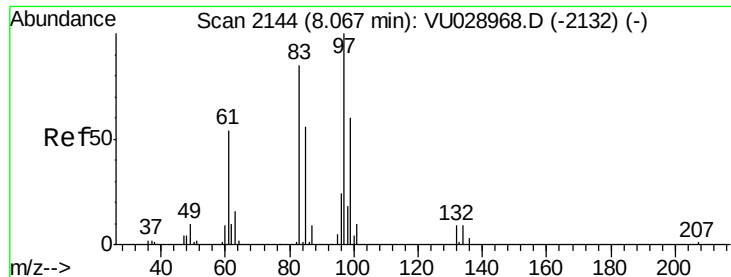
Tgt Ion: 75 Resp: 47145

Ion Ratio Lower Upper

75 100

77 30.5 21.6 40.0

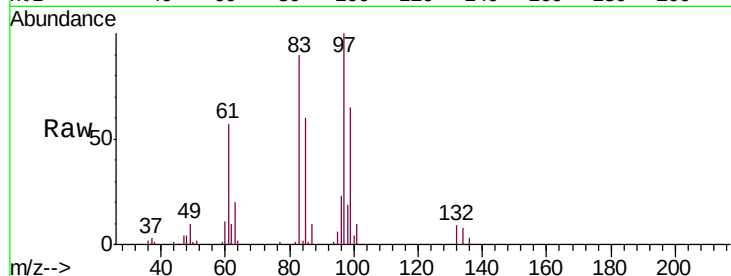




#45
 1,1,2-Trichloroethane
 Concen: 4.819 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion:	97	Resp:	28683
Ion	Ratio	Lower	Upper
97	100		
99	65.5	42.4	78.6
83	89.8	59.6	110.6
85	59.6	39.0	72.4



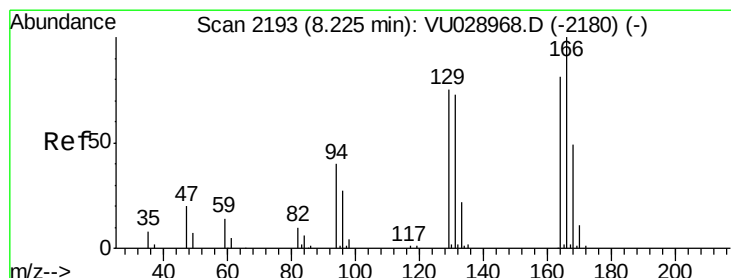
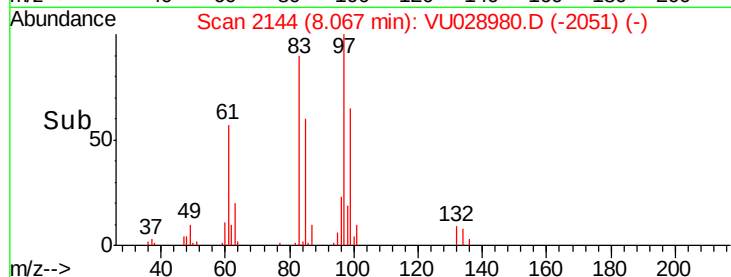
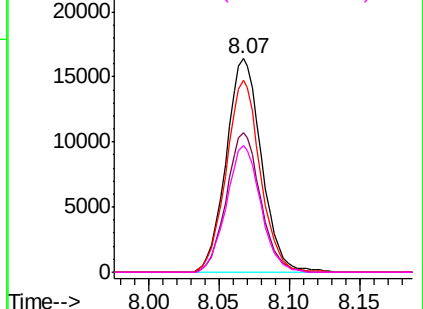
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

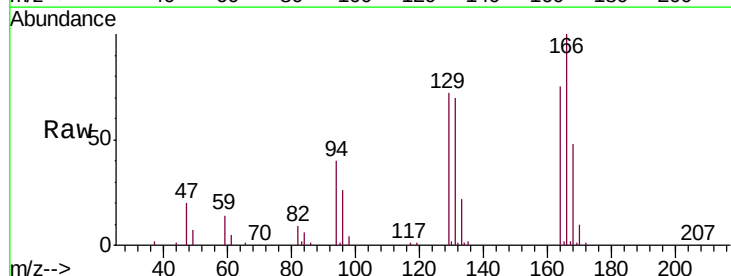
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.366 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion:	164	Resp:	31739
Ion	Ratio	Lower	Upper
164	100		
129	96.3	65.3	121.3
131	93.8	62.9	116.7
166	133.4	86.7	160.9



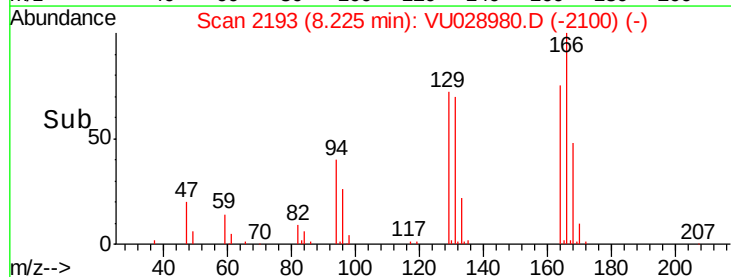
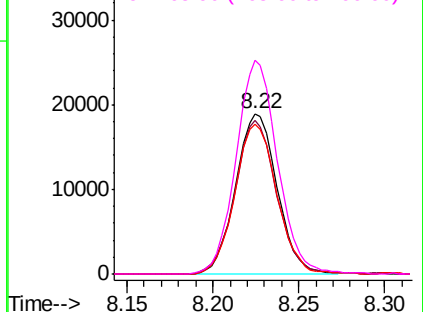
Abundance

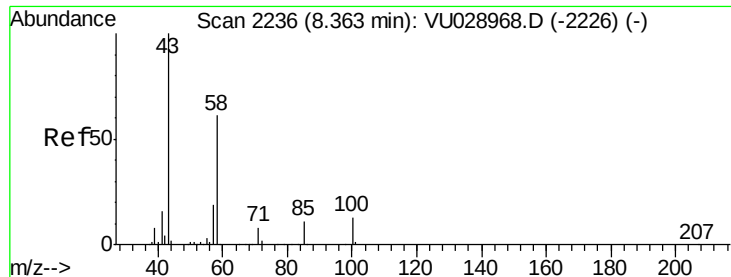
Ion 163.90 (163.60 to 164.60): V

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

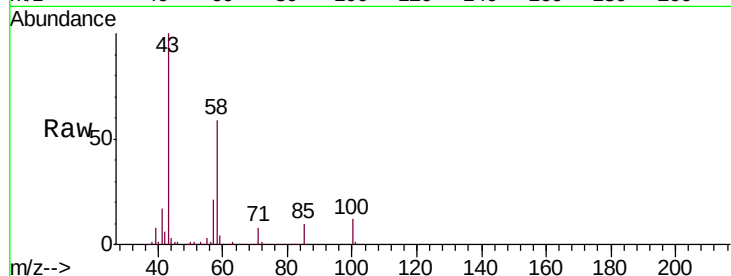




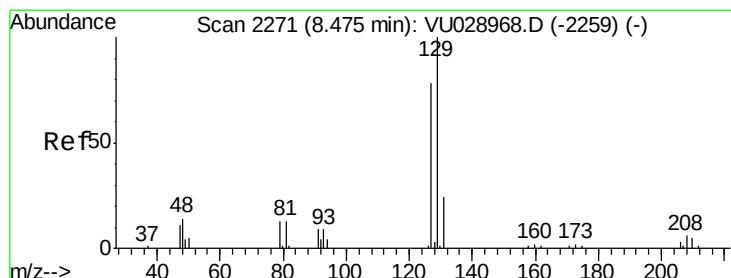
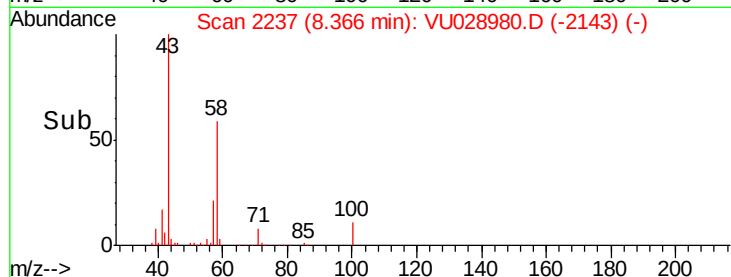
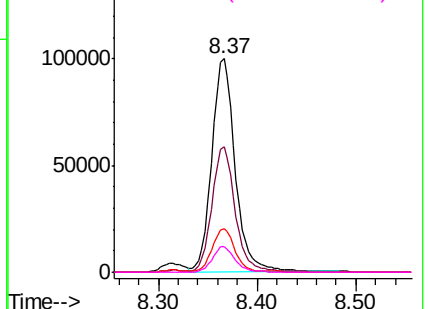
#48
2-Hexanone
Concen: 51.545 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU028980.D
Acq: 27 Dec 2018 22:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00550

Tgt Ion: 43 Resp: 165937
Ion Ratio Lower Upper
43 100
58 57.6 48.8 73.2
57 19.9 16.0 24.0
100 11.7 10.2 15.4

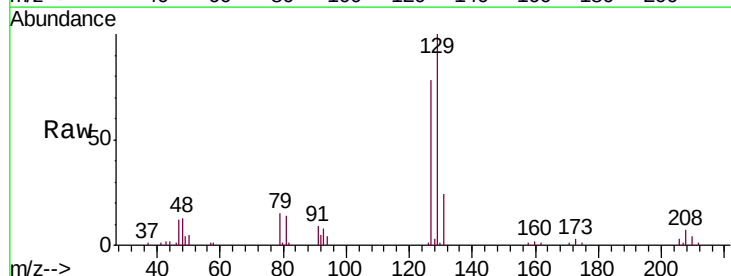


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

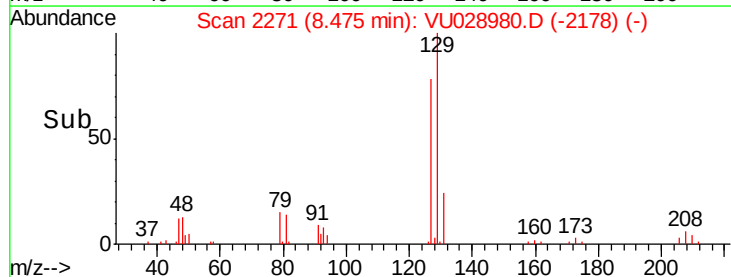
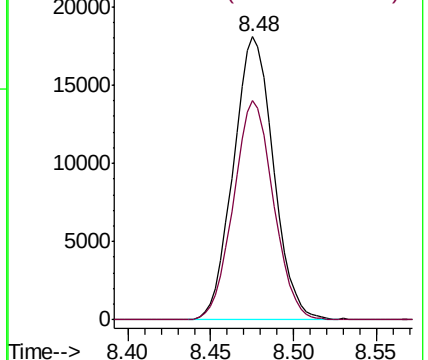


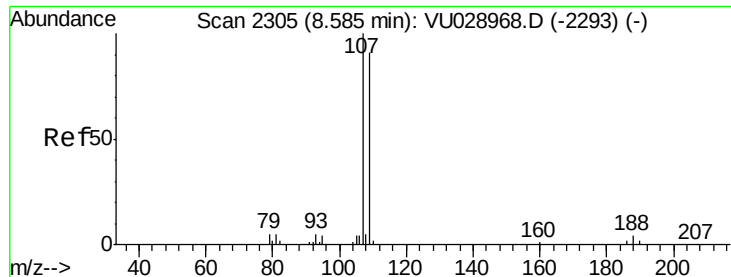
#49
Dibromochloromethane
Concen: 4.806 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028980.D
Acq: 27 Dec 2018 22:14

Tgt Ion: 129 Resp: 30371
Ion Ratio Lower Upper
129 100
127 77.5 54.4 101.0



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





#50

1,2-Dibromoethane

Concen: 4.793 ug/L

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

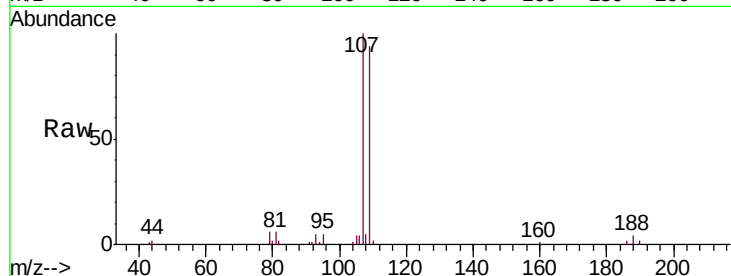
Instrument :

MSVOA_U

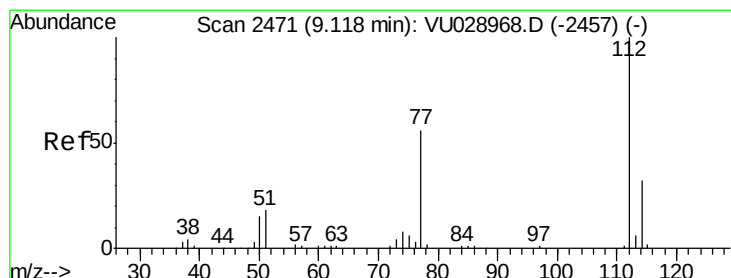
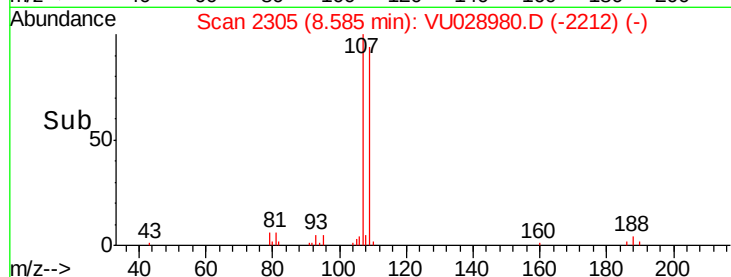
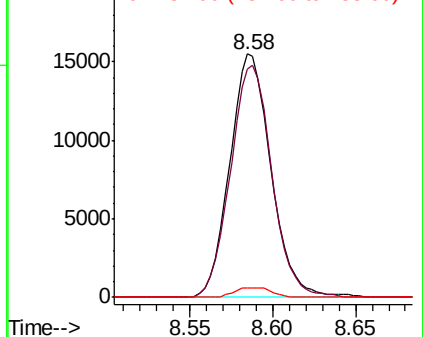
ClientSampleId :

VSTD00550

Tgt Ion:	107	Resp:	26685
Ion	Ratio	Lower	Upper
107	100		
109	94.0	64.0	119.0
188	4.0	3.0	4.4



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: 4.628 ug/L

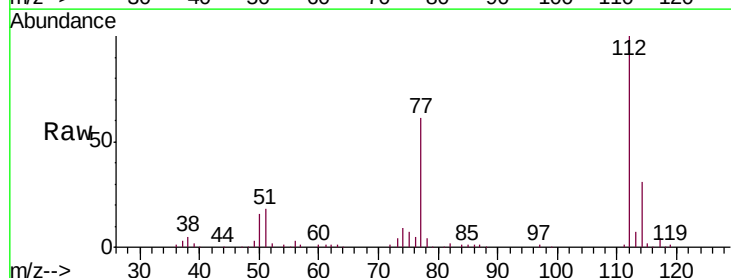
RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

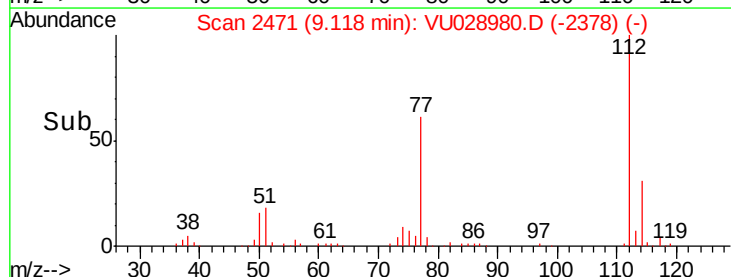
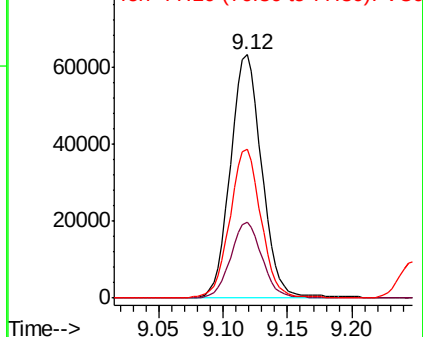
Lab File: VU028980.D

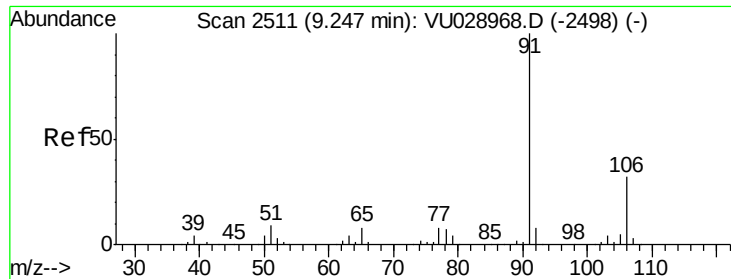
Acq: 27 Dec 2018 22:14

Tgt Ion:	112	Resp:	106664
Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.2	41.2
77	61.2	44.9	67.3



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: 4.693 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

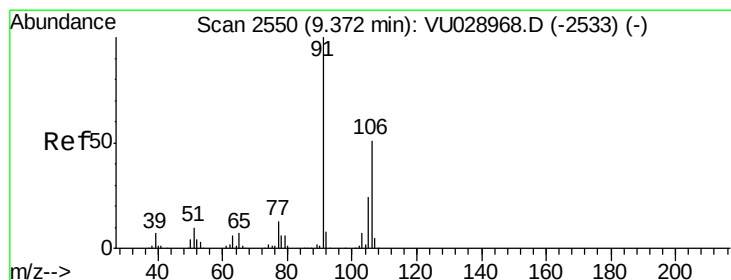
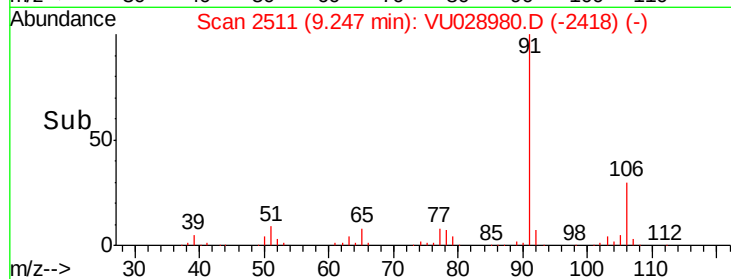
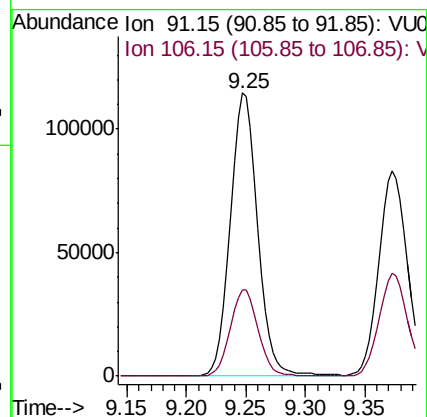
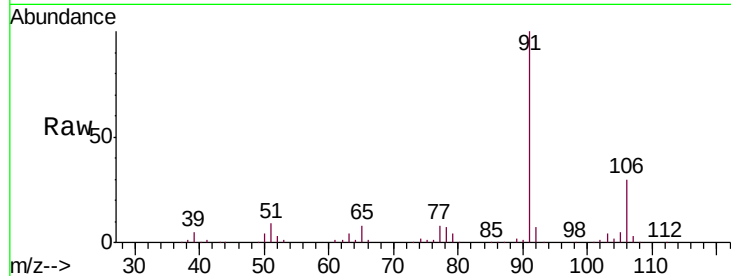
VSTD00550

Tgt Ion: 91 Resp: 182972

Ion Ratio Lower Upper

91 100

106 30.4 22.7 42.1



#53

m,p-xylene

Concen: 4.717 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028980.D

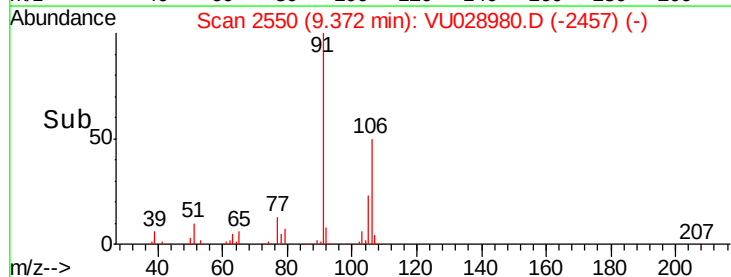
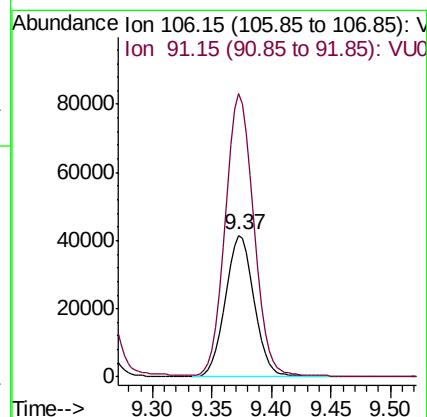
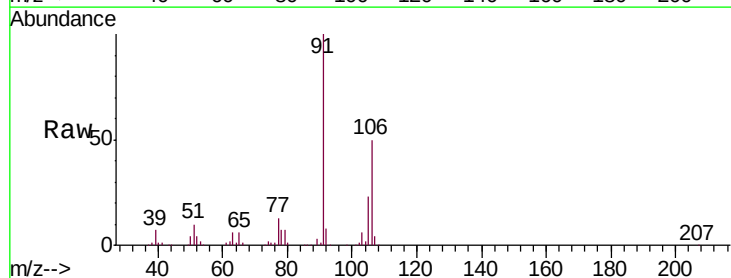
Acq: 27 Dec 2018 22:14

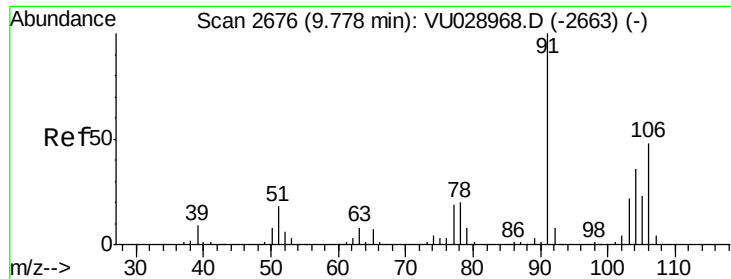
Tgt Ion: 106 Resp: 69981

Ion Ratio Lower Upper

106 100

91 200.4 138.5 257.1





#54

o-xylene

Concen: 4.687 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

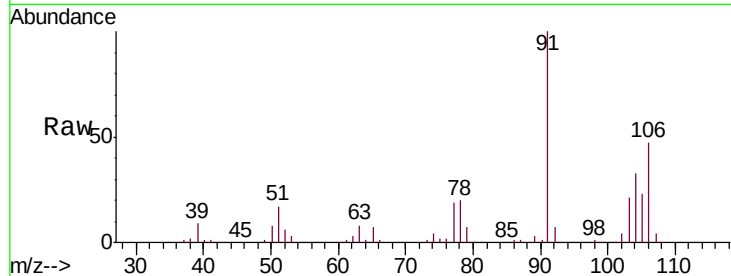
VSTD00550

Tgt Ion:106 Resp: 67499

Ion Ratio Lower Upper

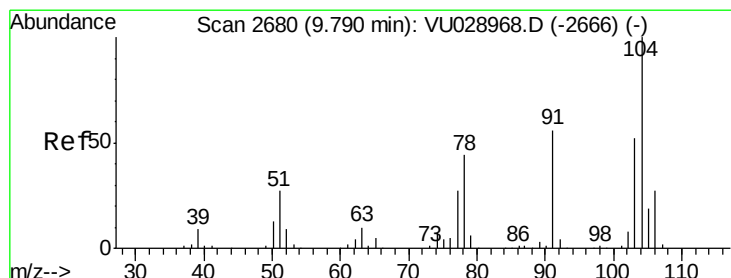
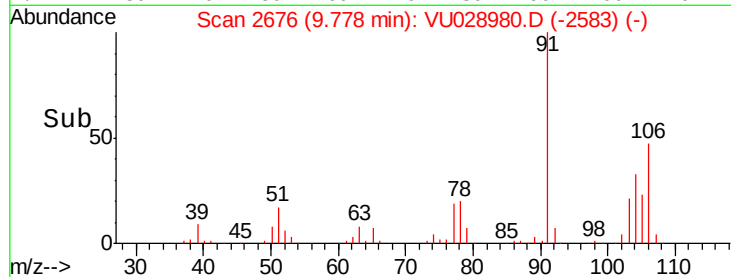
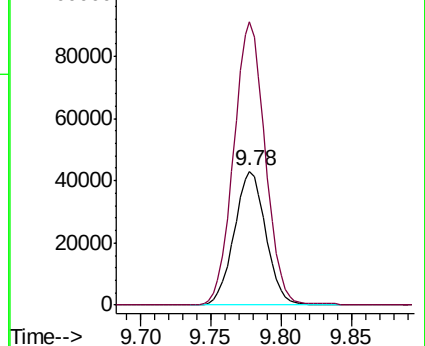
106 100

91 211.6 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.739 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VU028980.D

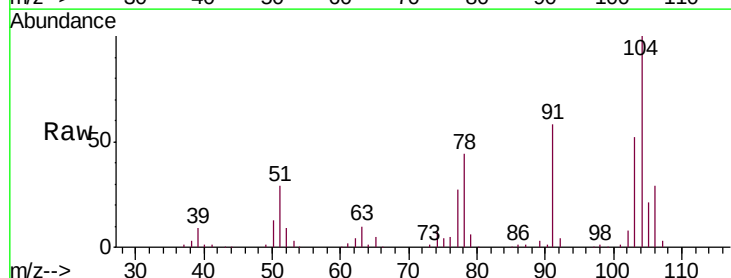
Acq: 27 Dec 2018 22:14

Tgt Ion:104 Resp: 113604

Ion Ratio Lower Upper

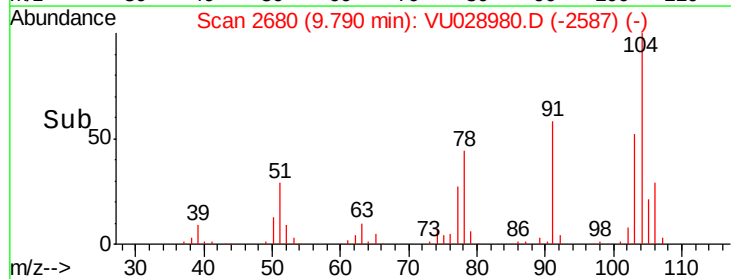
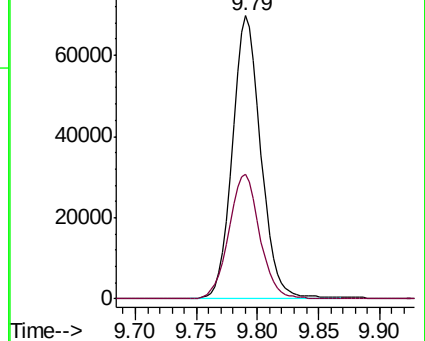
104 100

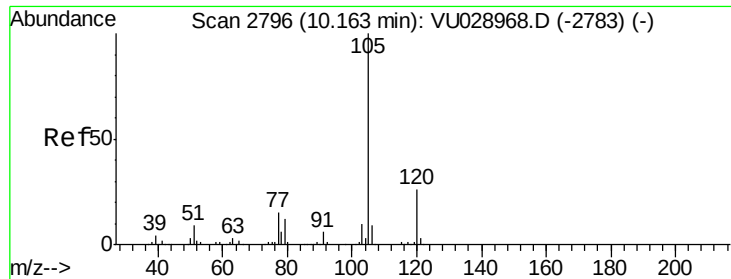
78 44.0 30.9 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.623 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

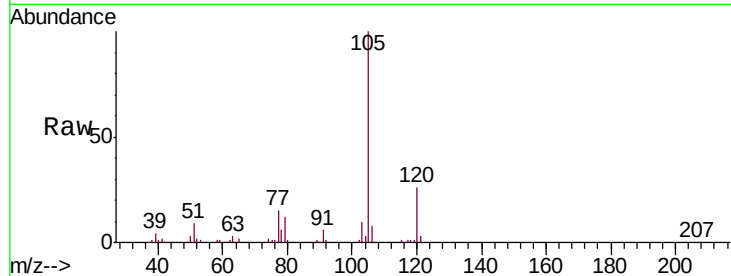
Tgt Ion: 105 Resp: 175601

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

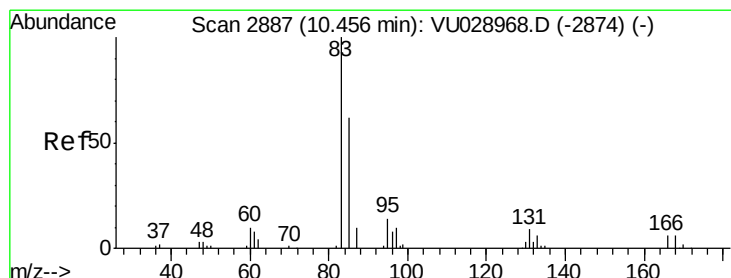
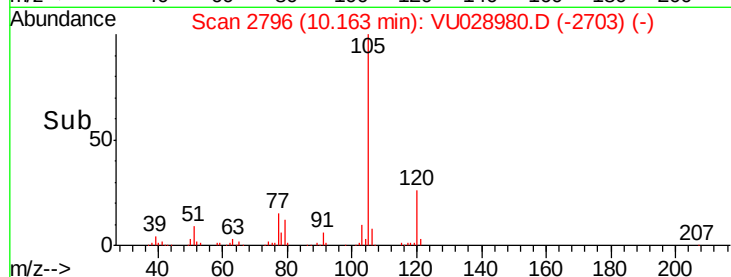
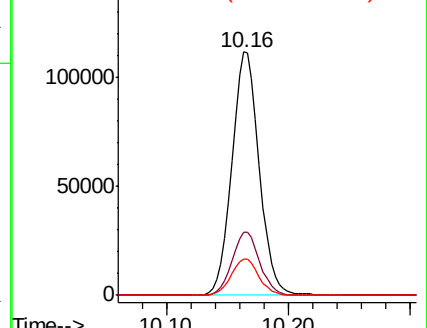
77 15.2 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.956 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

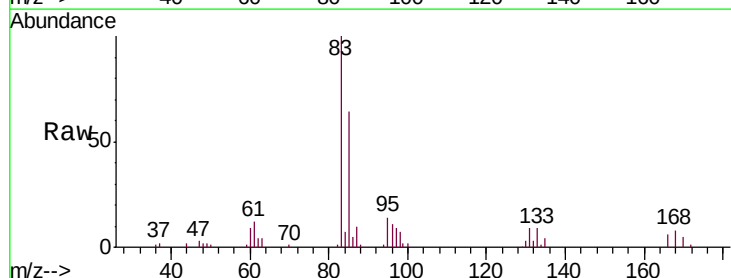
Tgt Ion: 83 Resp: 36112

Ion Ratio Lower Upper

83 100

85 64.4 44.0 81.8

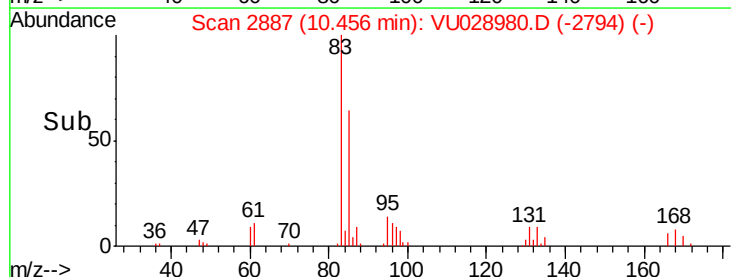
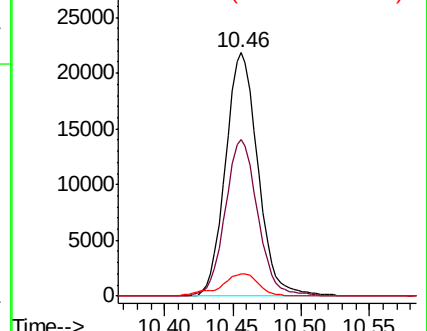
131 9.3 7.8 11.8

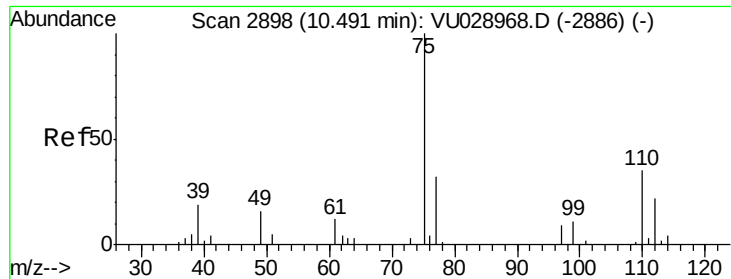


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

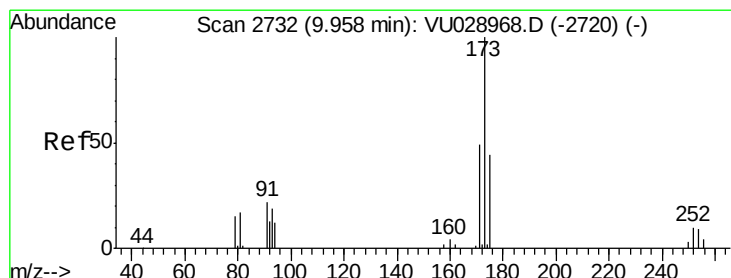
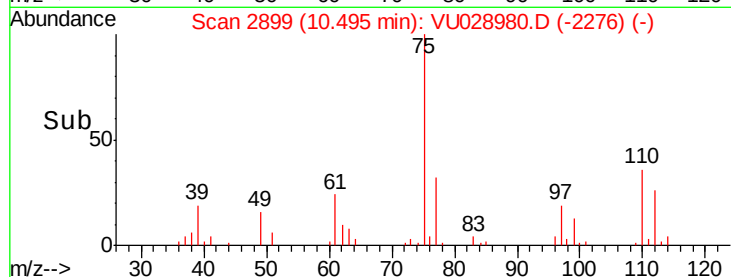
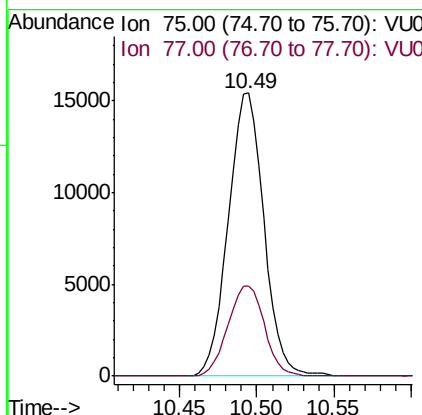
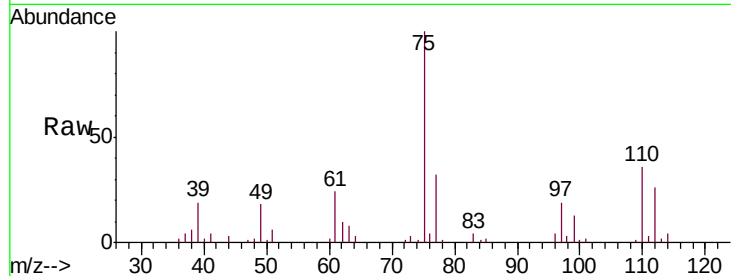




#59
 1,2,3-Trichloropropane
 Concen: 4.827 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

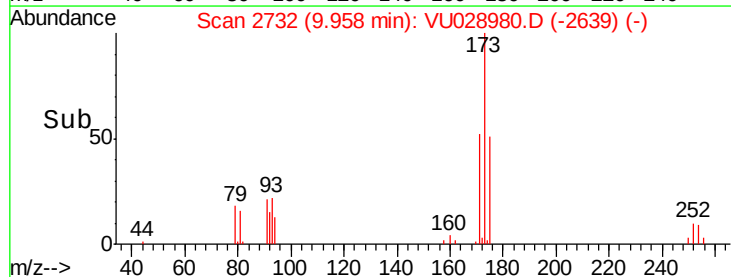
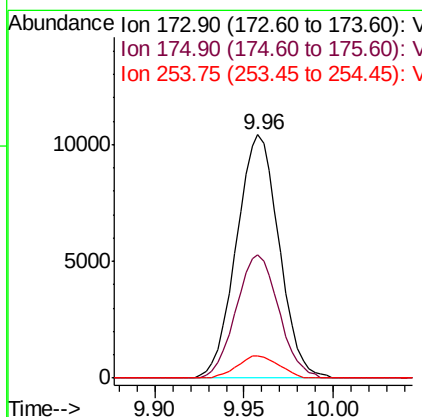
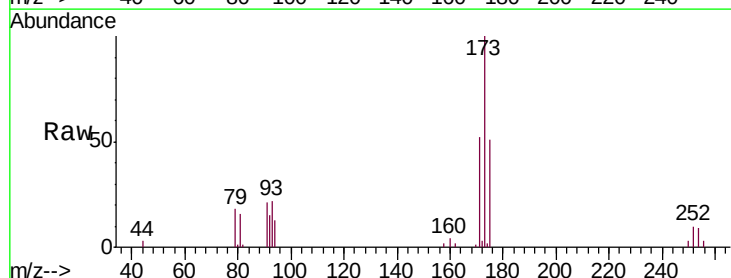
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

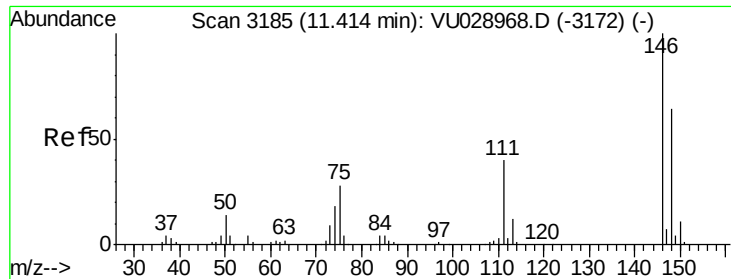
Tgt Ion: 75 Resp: 24612
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.0 39.0



#61
 Bromoform
 Concen: 4.918 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion: 173 Resp: 17387
 Ion Ratio Lower Upper
 173 100
 175 50.6 35.4 53.2
 254 8.9 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.725 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

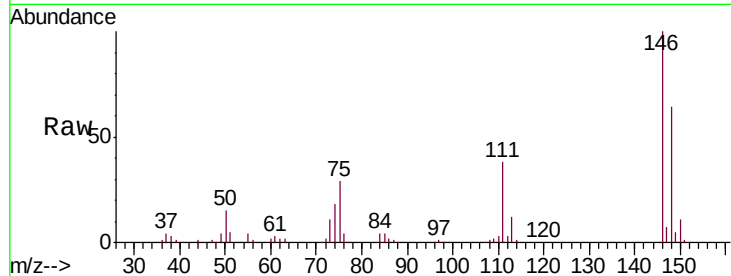
Tgt Ion:146 Resp: 82763

Ion Ratio Lower Upper

146 100

111 38.5 27.7 51.5

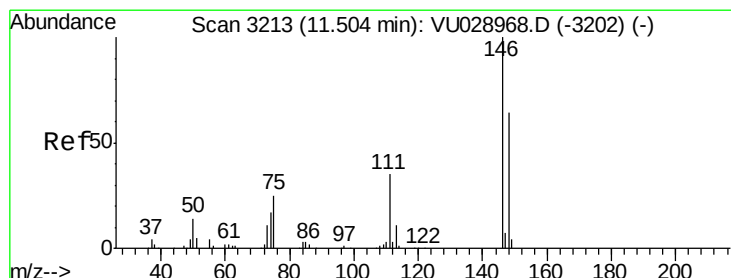
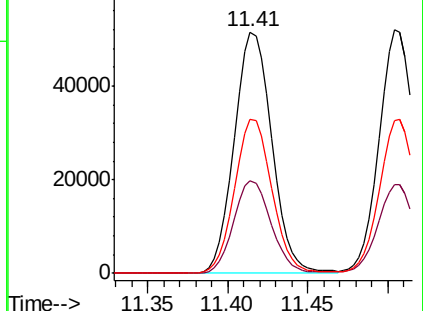
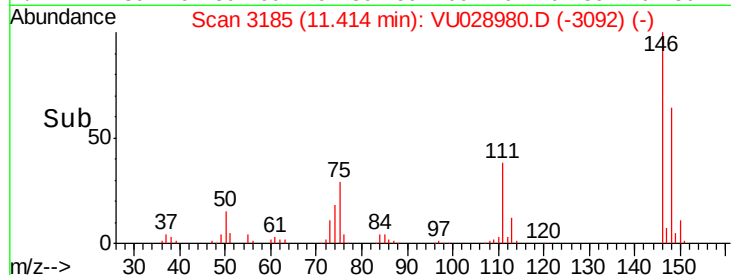
148 63.9 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 4.690 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

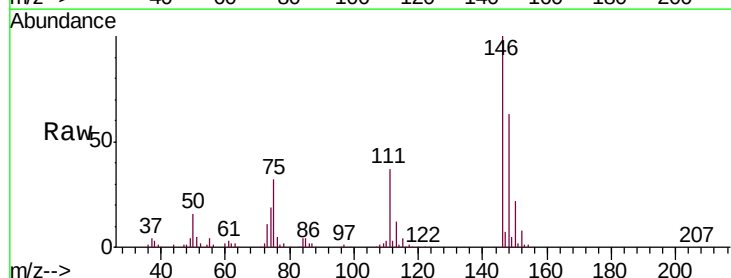
Tgt Ion:146 Resp: 83825

Ion Ratio Lower Upper

146 100

111 36.5 24.9 46.3

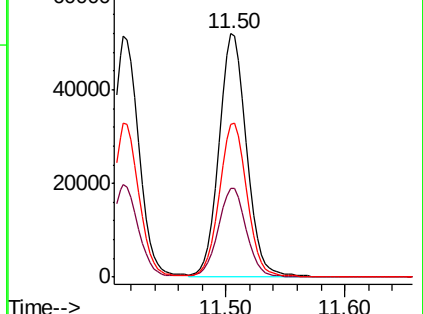
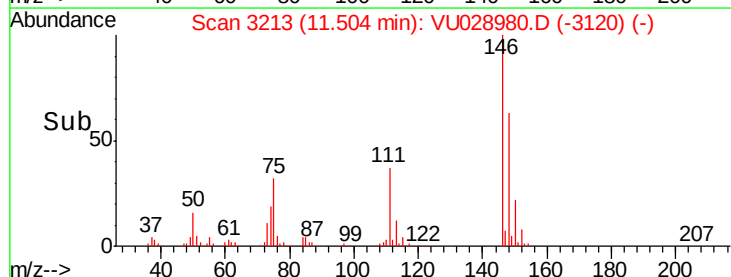
148 62.8 44.9 83.3

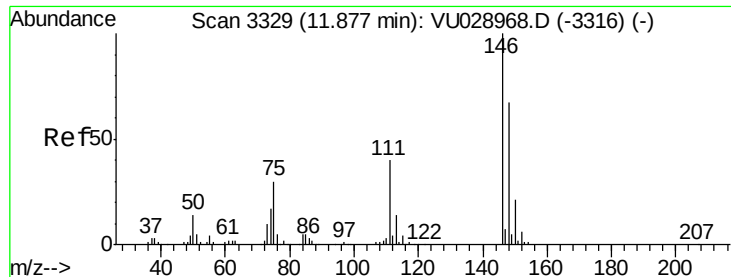


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

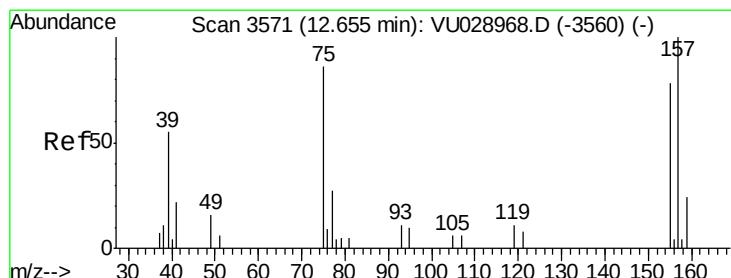
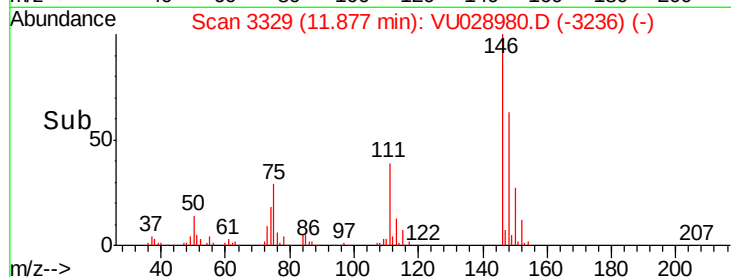
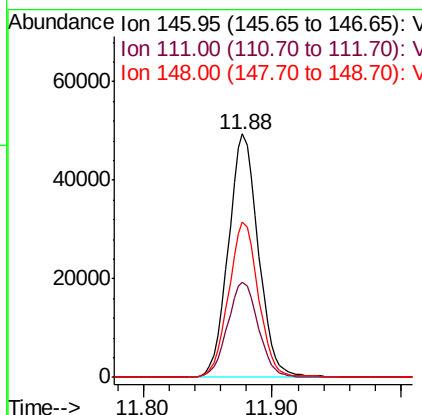
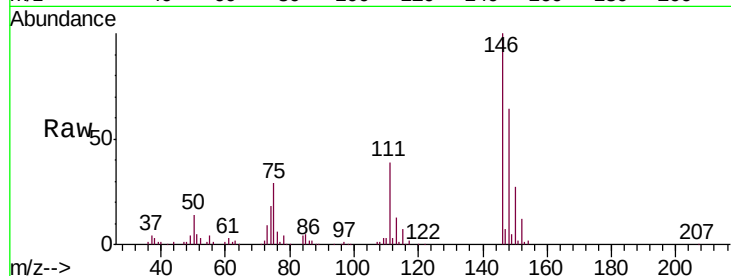




#65
 1,2-Dichlorobenzene
 Concen: 4.792 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

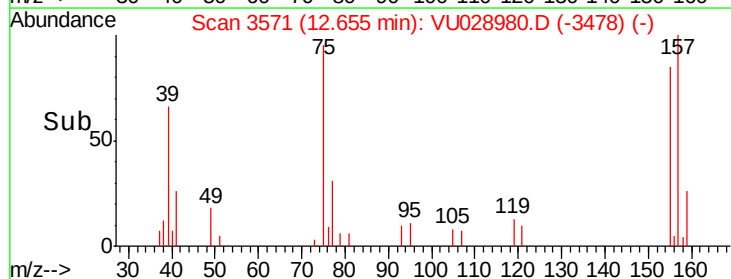
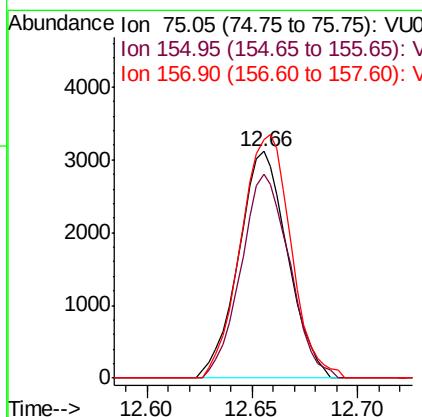
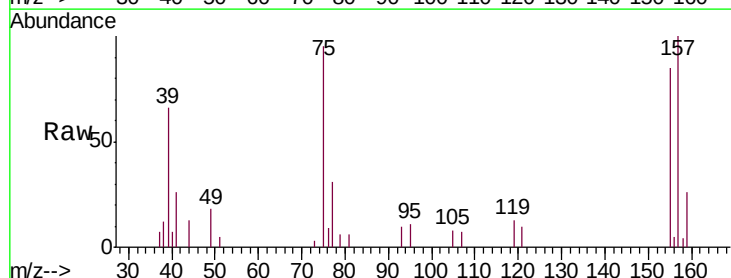
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

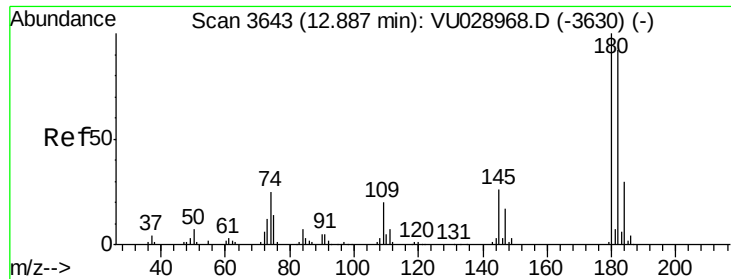
Tgt Ion: 146 Resp: 79437
 Ion Ratio Lower Upper
 146 100
 111 38.9 32.2 48.4
 148 63.5 53.2 79.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.154 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion: 75 Resp: 5044
 Ion Ratio Lower Upper
 75 100
 155 89.7 72.2 108.2
 157 105.1 93.0 139.6

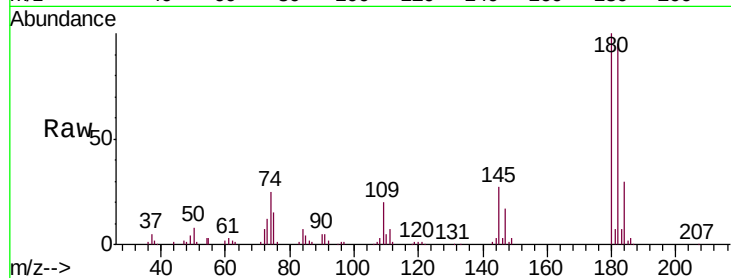




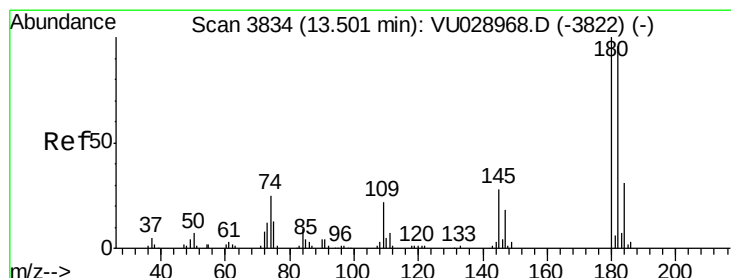
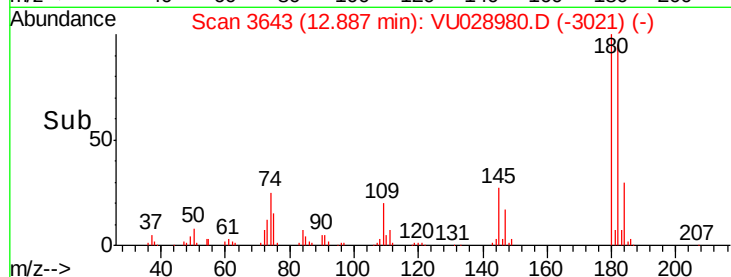
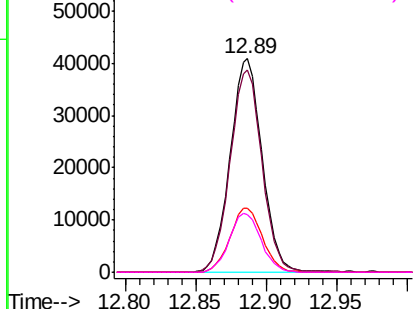
#67
 1,3,5-Trichlorobenzene
 Concen: 4.769 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00550

Tgt Ion:180 Resp: 64635
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 114.8
 184 30.5 24.4 36.6
 145 27.4 21.7 32.5

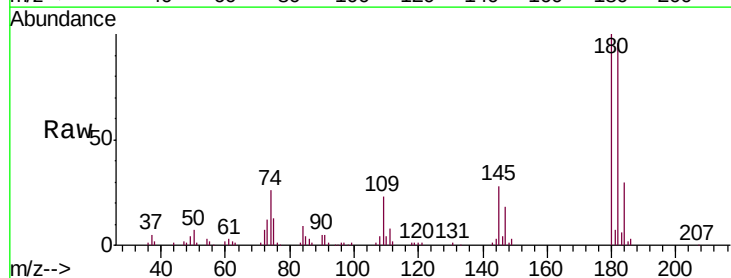


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

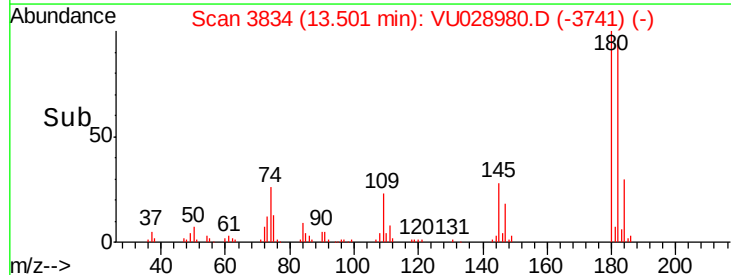
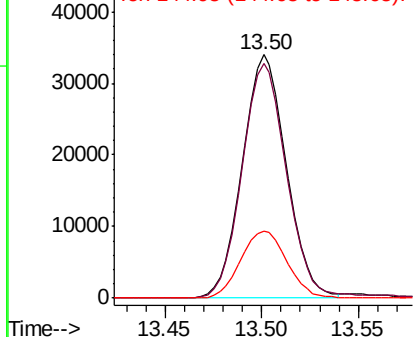


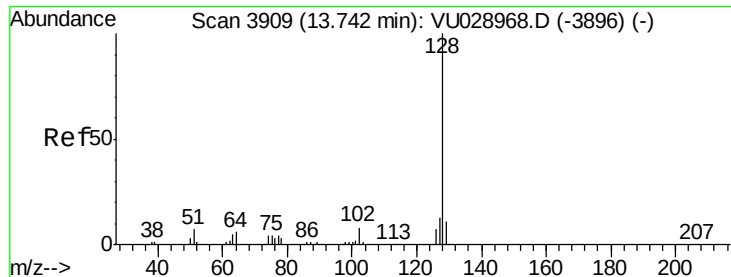
#68
 1,2,4-trichlorobenzene
 Concen: 4.758 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028980.D
 Acq: 27 Dec 2018 22:14

Tgt Ion:180 Resp: 53743
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.0 114.0
 145 28.7 22.6 33.8



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: 4.798 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00550

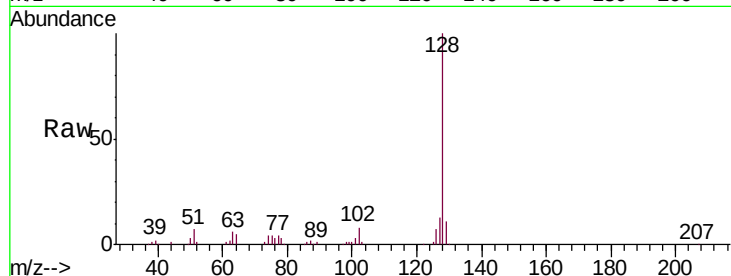
Tgt Ion:128 Resp: 92707

Ion Ratio Lower Upper

128 100

129 10.6 8.3 12.5

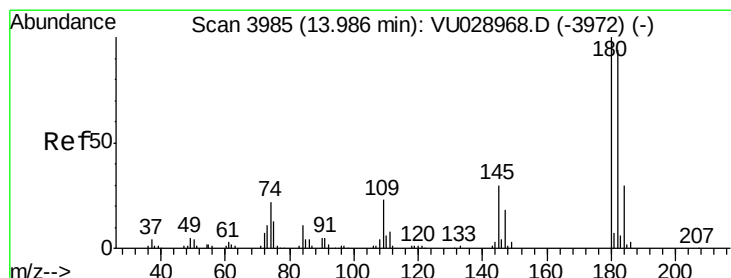
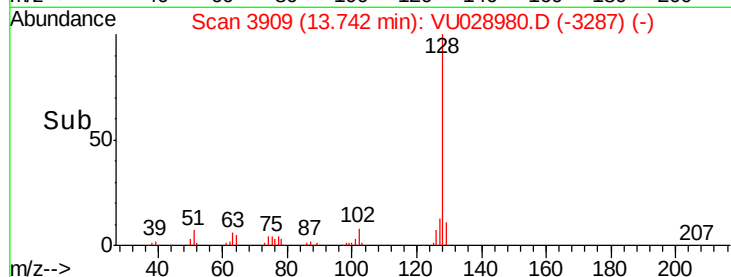
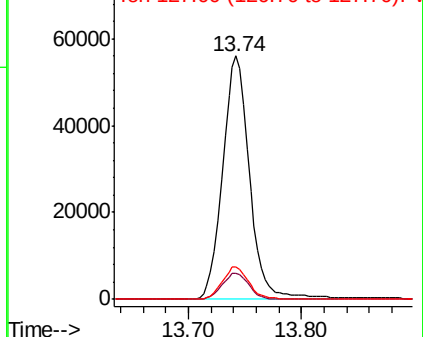
127 13.1 9.8 14.6



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: 4.754 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028980.D

Acq: 27 Dec 2018 22:14

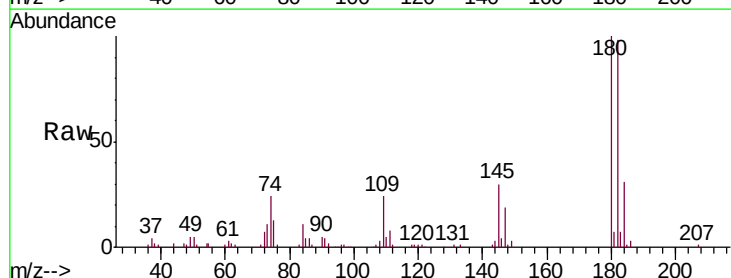
Tgt Ion:180 Resp: 51223

Ion Ratio Lower Upper

180 100

182 95.7 77.1 115.7

145 30.8 24.6 36.8



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

