

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032860.D
 Acq On : 19 Jun 2019 16:00
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Jun 20 05:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 05:14:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	96962	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	97083	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	54040	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	25914	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.68	69	23451	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.27	63	61501	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	4.19	46	102159	58.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.12%
24) Chloroform-d	4.64	84	62265	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.31	65	34035	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.40%
32) Benzene-d6	5.33	84	113019	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.32	67	36306	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.56	98	104552	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.85	79	15547	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.31	63	77248	48.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.00%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33722	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	46699	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	46657	5.608 ug/L	99
3) Chloromethane	1.32	50	43816	5.078 ug/L	99
5) Vinyl chloride	1.40	62	43760	5.160 ug/L	99
6) Bromomethane	1.62	94	26609	5.143 ug/L	100
8) Chloroethane	1.69	64	26202	4.836 ug/L	98
9) Trichlorofluoromethane	1.88	101	65216	5.373 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	33951	5.261 ug/L	100
12) 1,1-Dichloroethene	2.28	96	30969	5.027 ug/L	97
13) Acetone	2.32	43	76436	55.975 ug/L	95
14) Carbon disulfide	2.47	76	94196	4.775 ug/L	97
15) Methyl Acetate	2.61	43	18535	4.947 ug/L	95
16) Methylene chloride	2.69	84	35206	5.153 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	90436	5.019 ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	33523	5.043 ug/L	96
19) 1,1-Dichloroethane	3.43	63	68243	5.736 ug/L	97
21) 2-Butanone	4.27	43	111249	56.015 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	38300	5.091 ug/L	86

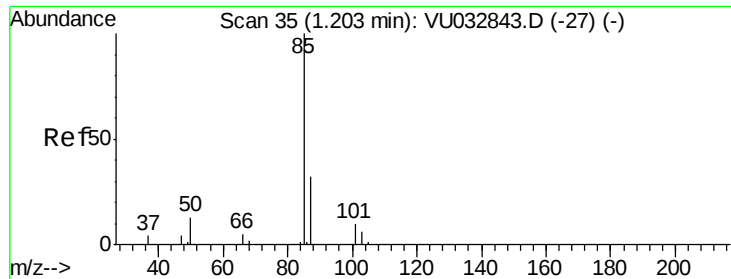
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
 Data File : VU032860.D
 Acq On : 19 Jun 2019 16:00
 Operator : JC/SP
 Sample : VSTDCCC005
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 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Jun 20 05:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 20 05:14:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17299	5.343	ug/L	90
25) Chloroform	4.66	83	68389	5.627	ug/L	99
27) 1,2-Dichloroethane	5.40	62	46673	5.843	ug/L	98
29) 1,1,1-Trichloroethane	4.90	97	59507	5.030	ug/L	97
30) Cyclohexane	4.98	56	57208	4.575	ug/L	96
31) Carbon tetrachloride	5.12	117	54652	5.081	ug/L	97
33) Benzene	5.38	78	141023	4.927	ug/L	100
34) Trichloroethene	6.18	95	37851	4.597	ug/L	98
35) Methylcyclohexane	6.41	83	60152	4.543	ug/L	95
37) 1,2-Dichloropropane	6.43	63	39922	5.391	ug/L	99
38) Bromodichloromethane	6.75	83	48719	5.118	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	56124	4.936	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	271058	51.432	ug/L	96
42) Toluene	7.63	91	154836	4.854	ug/L	96
44) trans-1,3-Dichloropropene	7.87	75	46259	5.096	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	26779	4.970	ug/L	95
47) Tetrachloroethene	8.22	164	32188	4.968	ug/L	96
48) 2-Hexanone	8.36	43	191138	50.750	ug/L	98
49) Dibromochloromethane	8.47	129	33525	4.864	ug/L	98
50) 1,2-Dibromoethane	8.58	107	26332	4.904	ug/L	96
51) Chlorobenzene	9.11	112	101187	5.059	ug/L	100
52) Ethylbenzene	9.24	91	169390	4.818	ug/L	99
53) m,p-Xylene	9.37	106	63999	4.802	ug/L	100
54) o-Xylene	9.77	106	62043	4.664	ug/L	98
55) Styrene	9.79	104	107169	4.897	ug/L	97
56) Isopropylbenzene	10.16	105	169011	4.817	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	35805	5.196	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	26150	5.377	ug/L	98
61) Bromoform	9.95	173	19350	4.457	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	83698	4.744	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	84240	4.697	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	79190	4.646	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	5568	4.652	ug/L	87
67) 1,3,5-Trichlorobenzene	12.88	180	69323	4.903	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	56605	4.965	ug/L	99
69) Naphthalene	13.74	128	83174	4.162	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	52702	4.642	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.608 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

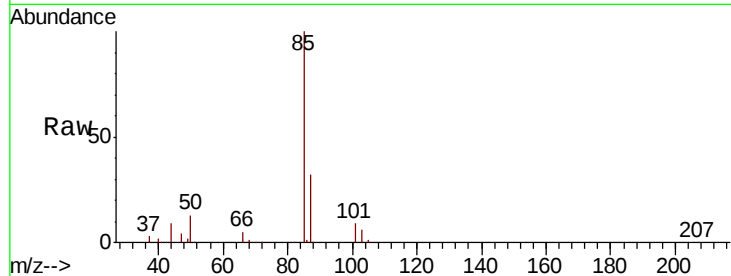
VSTD00529

Tgt Ion: 85 Resp: 46657

Ion Ratio Lower Upper

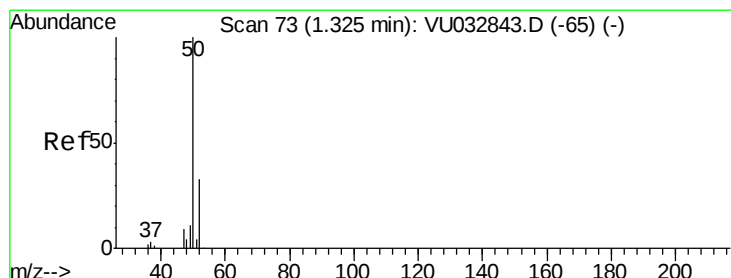
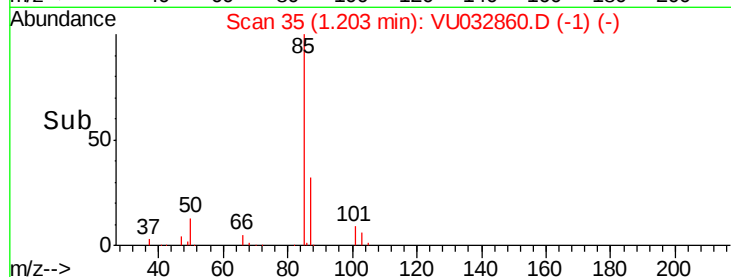
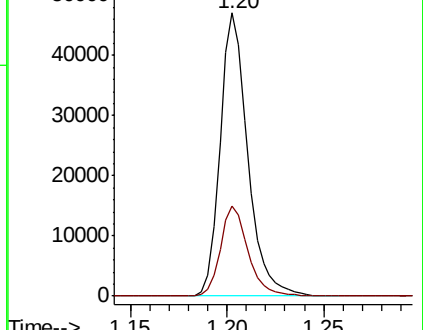
85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032843.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032843.D (-27) (-)



#3

Chloromethane

Concen: 5.078 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032860.D

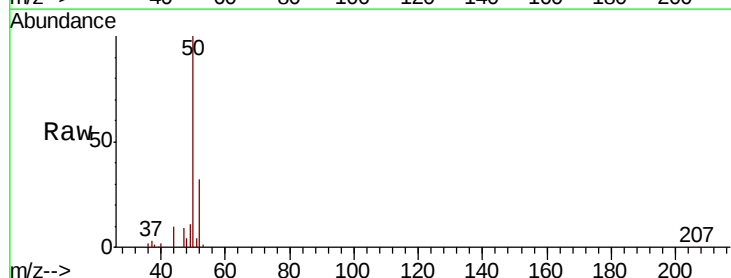
Acq: 19 Jun 2019 16:00

Tgt Ion: 50 Resp: 43816

Ion Ratio Lower Upper

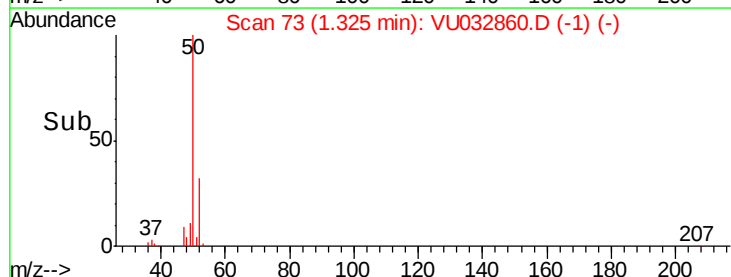
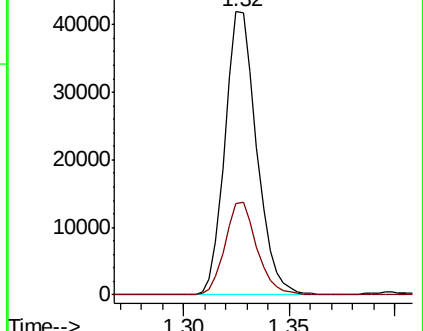
50 100

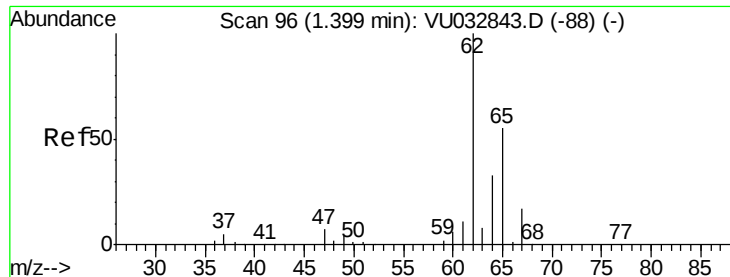
52 32.4 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032843.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032843.D (-65) (-)





#5

Vinyl chloride

Concen: 5.160 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

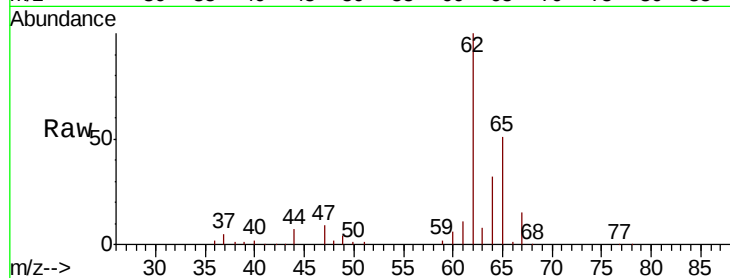
VSTD00529

Tgt Ion: 62 Resp: 43760

Ion Ratio Lower Upper

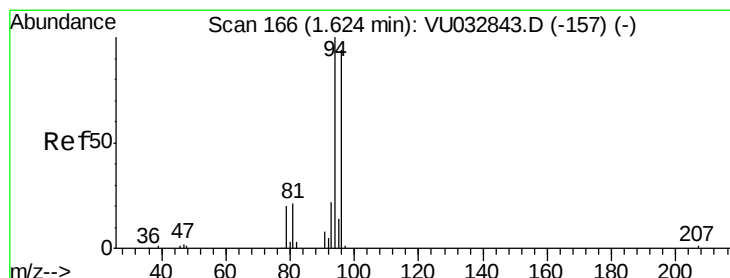
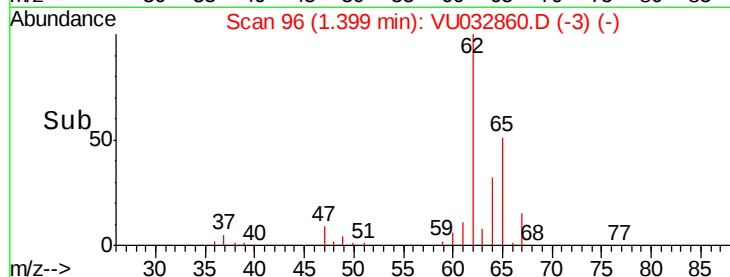
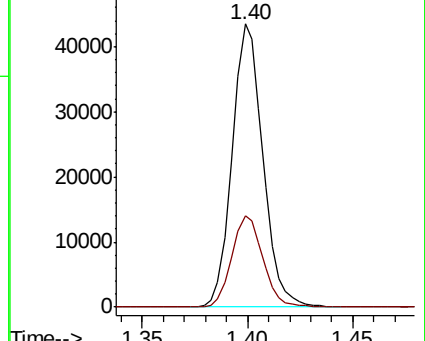
62 100

64 32.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032843.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032860.D (-3) (-)



#6

Bromomethane

Concen: 5.143 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU032860.D

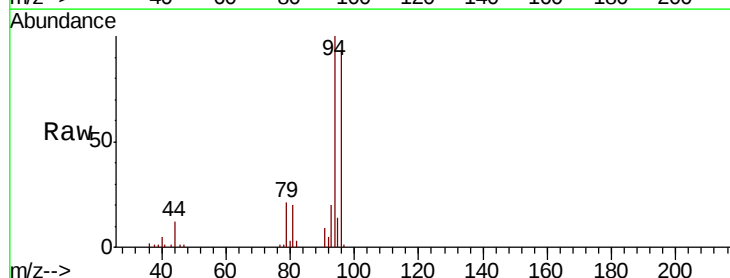
Acq: 19 Jun 2019 16:00

Tgt Ion: 94 Resp: 26609

Ion Ratio Lower Upper

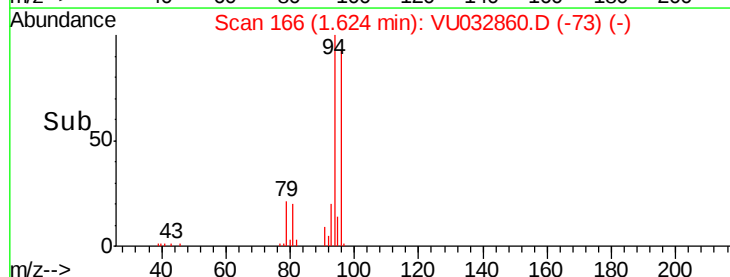
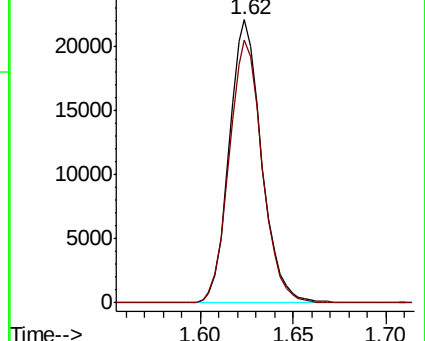
94 100

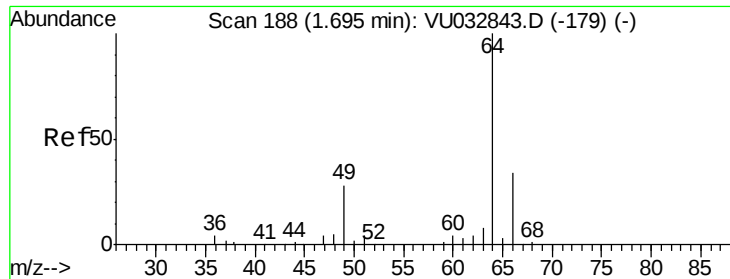
96 93.0 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032843.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU032860.D (-73) (-)

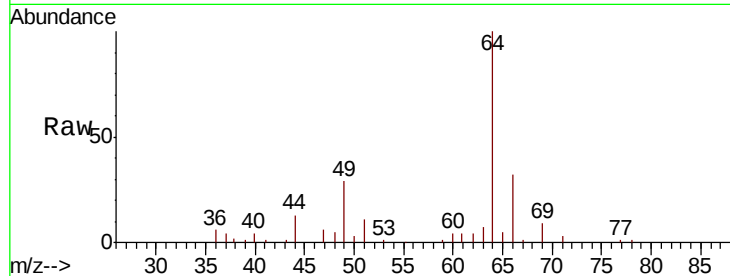




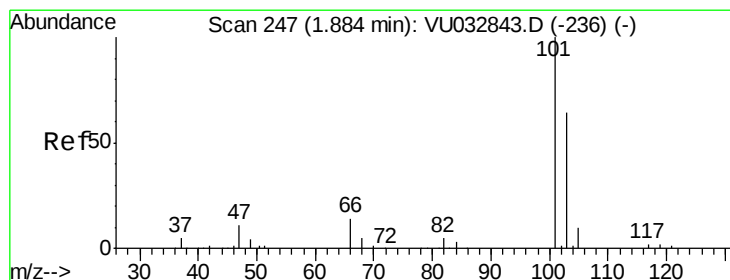
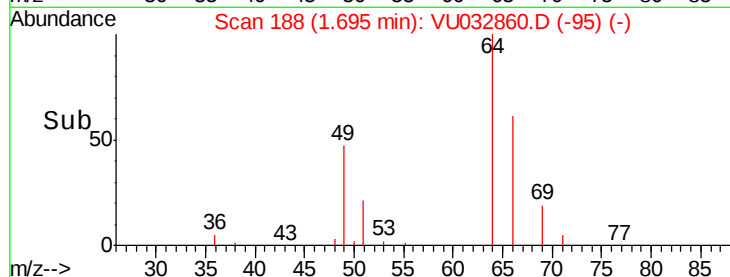
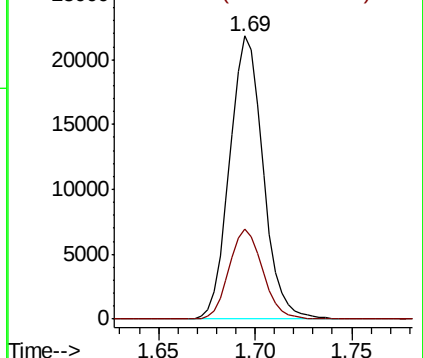
#8
Chloroethane
Concen: 4.836 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tgt Ion: 64 Resp: 26202
Ion Ratio Lower Upper
64 100
66 31.7 22.8 42.4

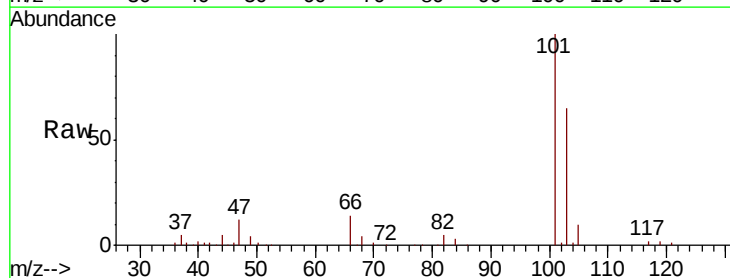


Abundance Ion 64.10 (63.80 to 64.80): VU032843.D (-179) (-)
Ion 66.05 (65.75 to 66.75): VU032860.D (-95) (-)

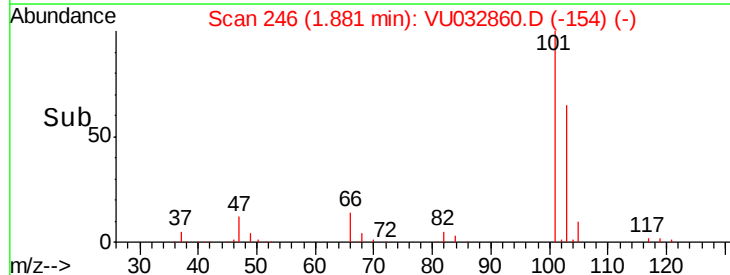
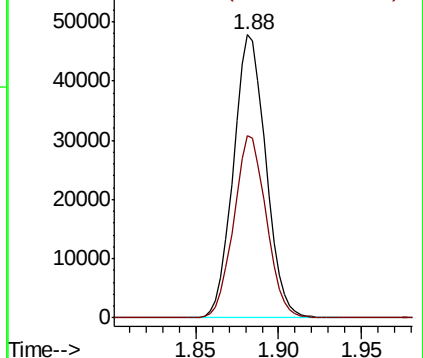


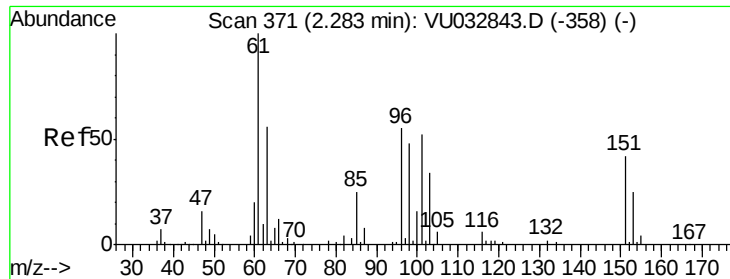
#9
Trichlorofluoromethane
Concen: 5.373 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Tgt Ion: 101 Resp: 65216
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032843.D (-236) (-)
Ion 103.00 (102.70 to 103.70): VU032860.D (-154) (-)





#10

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

Concen: 5.261 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

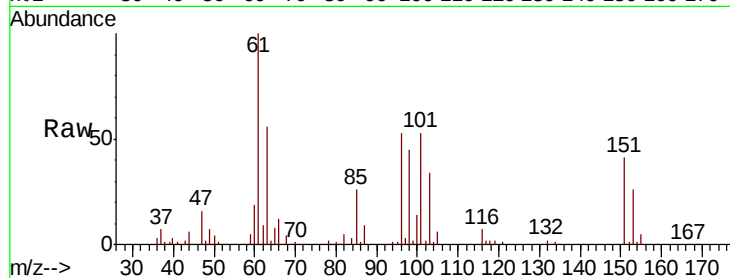
Tgt Ion:101 Resp: 33951

Ion Ratio Lower Upper

101 100

85 48.2 38.9 58.3

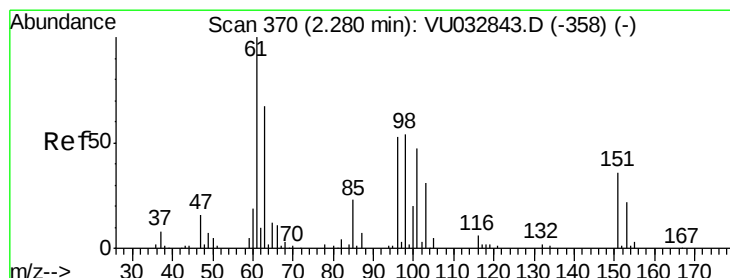
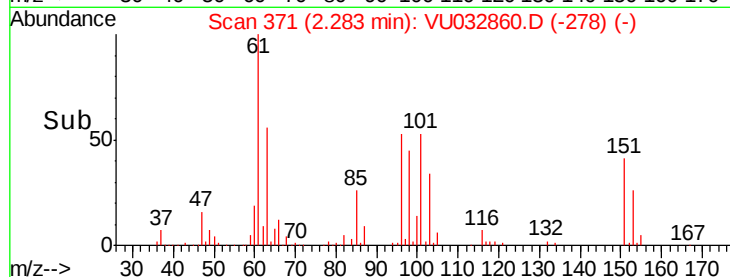
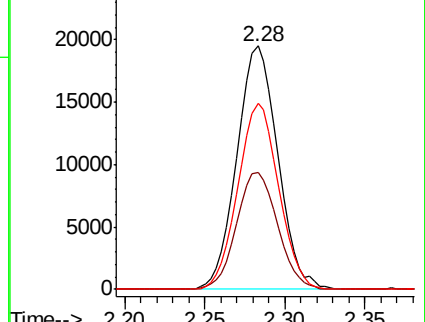
151 75.9 61.0 91.4



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: 5.027 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

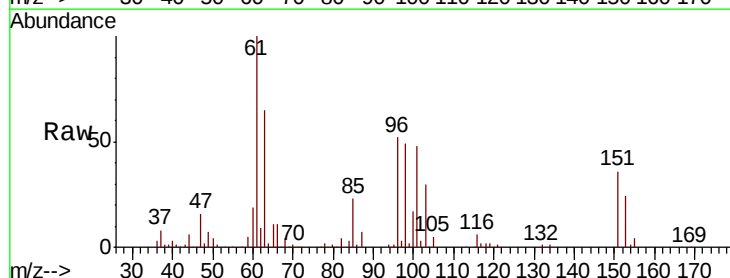
Tgt Ion: 96 Resp: 30969

Ion Ratio Lower Upper

96 100

61 193.4 131.8 244.8

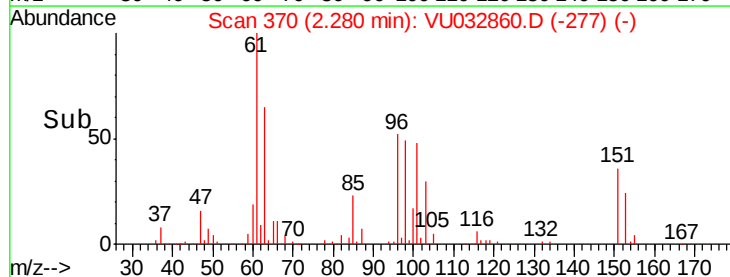
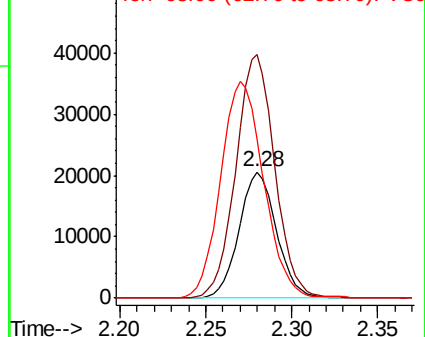
63 126.5 90.1 167.3

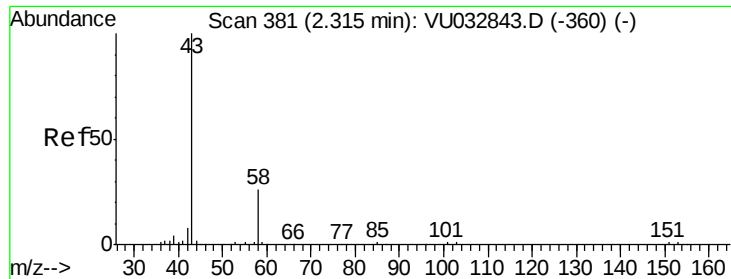


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.975 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

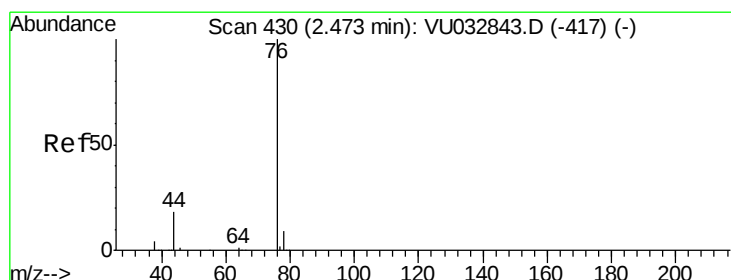
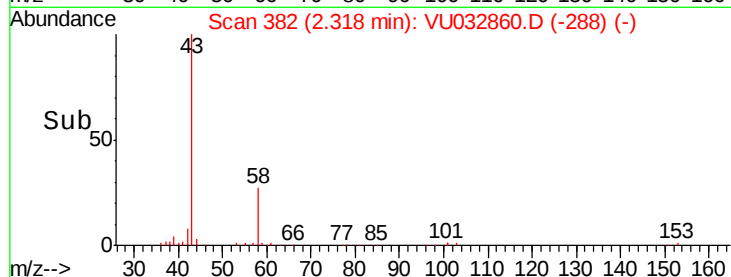
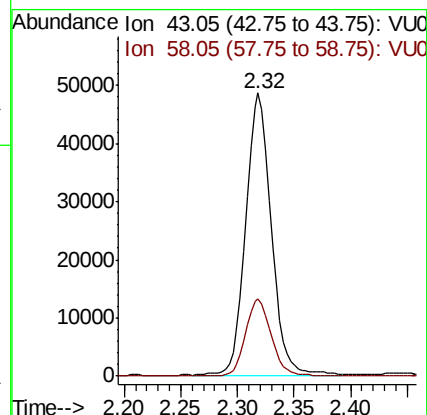
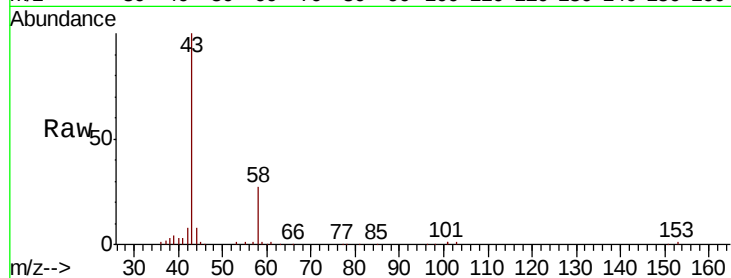
VSTD00529

Tgt Ion: 43 Resp: 76436

Ion Ratio Lower Upper

43 100

58 27.6 0.0 60.8



#14

Carbon disulfide

Concen: 4.775 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032860.D

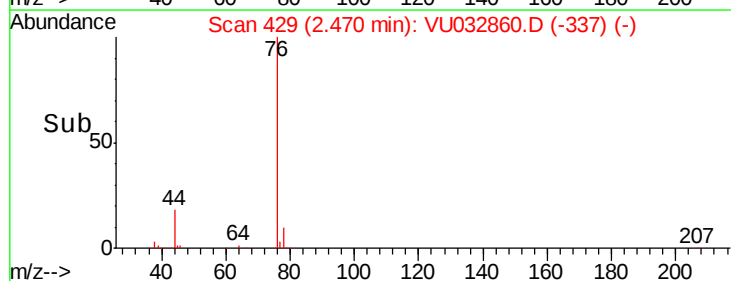
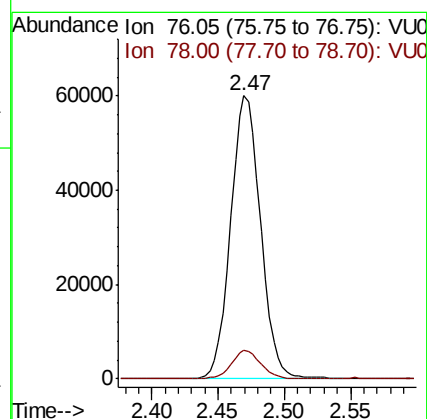
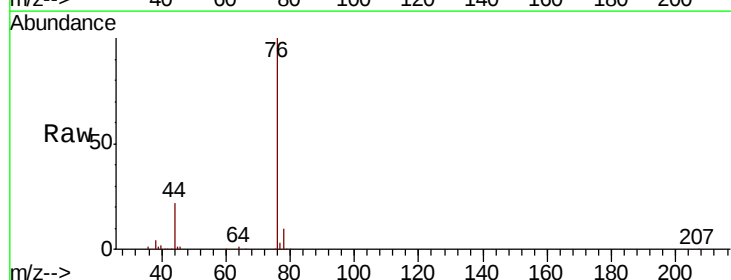
Acq: 19 Jun 2019 16:00

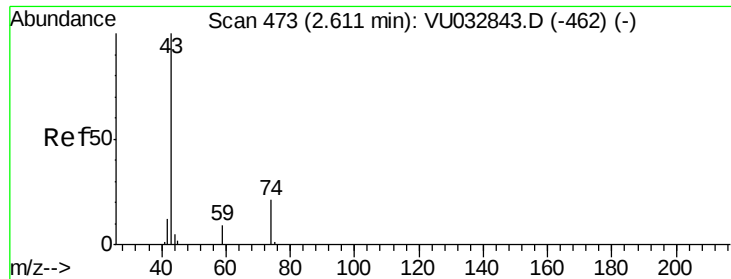
Tgt Ion: 76 Resp: 94196

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9

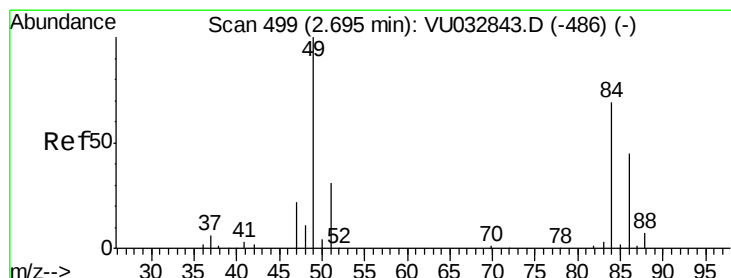
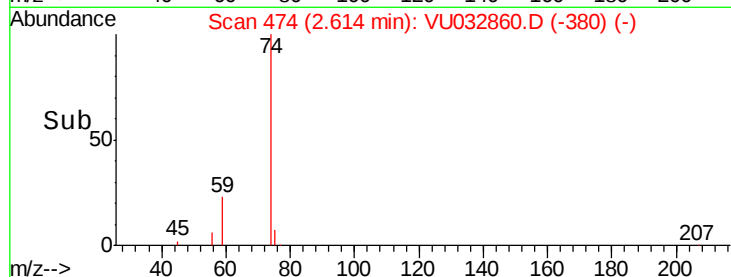
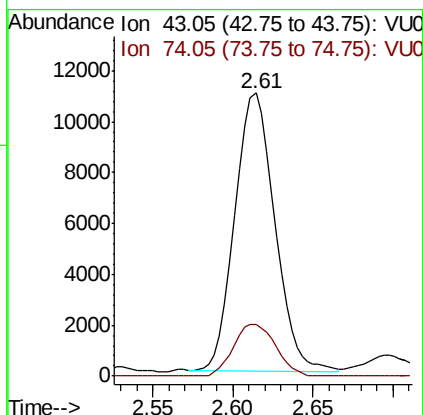
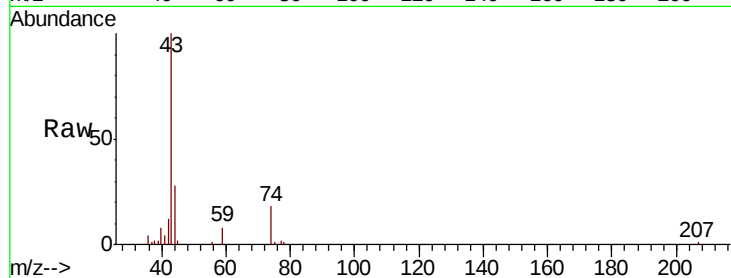




#15
Methyl Acetate
Concen: 4.947 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

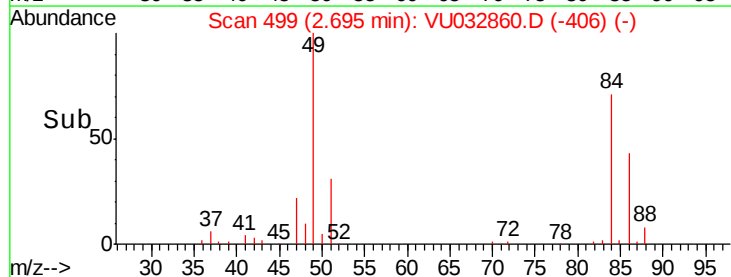
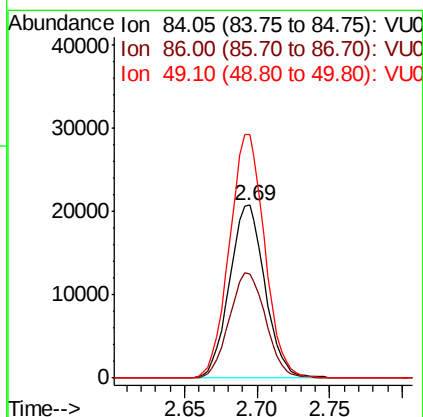
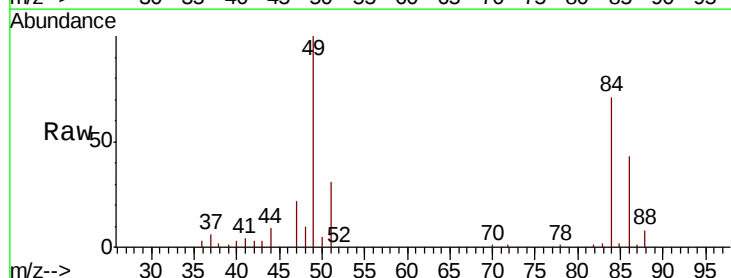
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

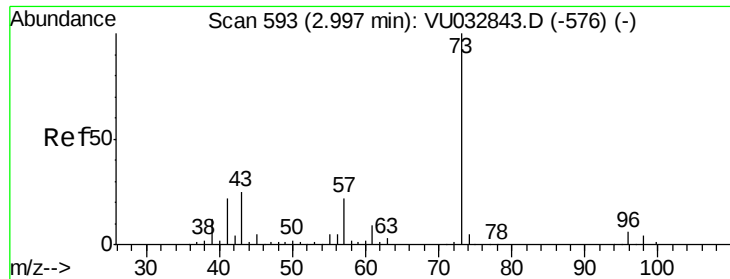
Tgt Ion: 43 Resp: 18535
Ion Ratio Lower Upper
43 100
74 19.7 17.8 26.8



#16
Methylene chloride
Concen: 5.153 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Tgt Ion: 84 Resp: 35206
Ion Ratio Lower Upper
84 100
86 60.1 47.2 87.6
49 140.5 95.9 178.1

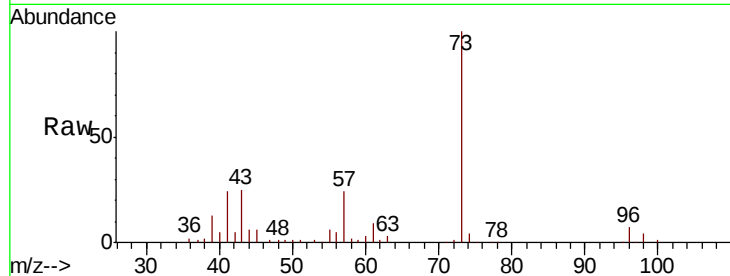




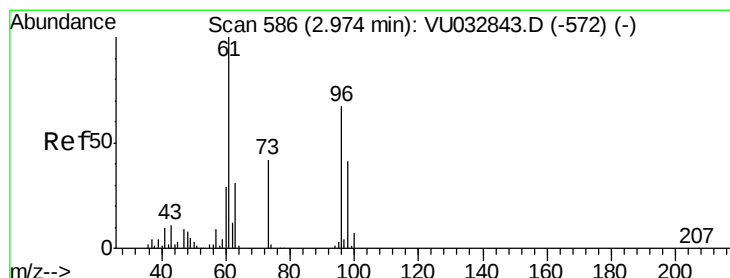
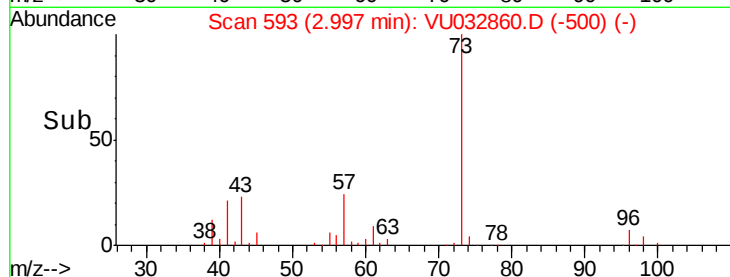
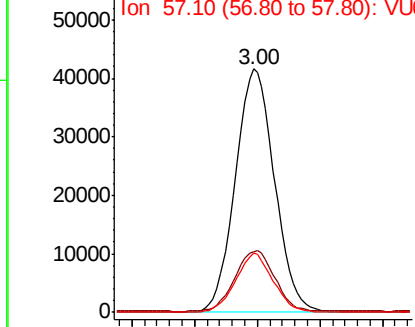
#17
Methyl tert-butyl Ether
Concen: 5.019 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tgt Ion: 73 Resp: 90436
Ion Ratio Lower Upper
73 100
43 25.4 18.6 27.8
57 23.2 18.3 27.5

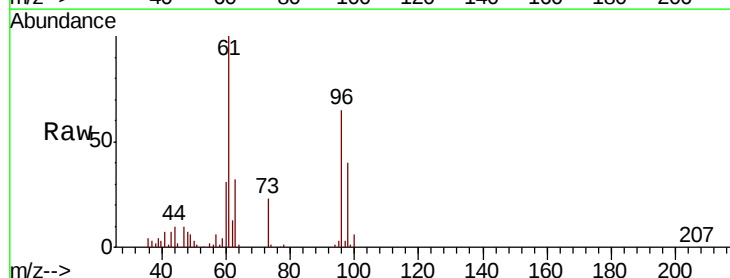


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

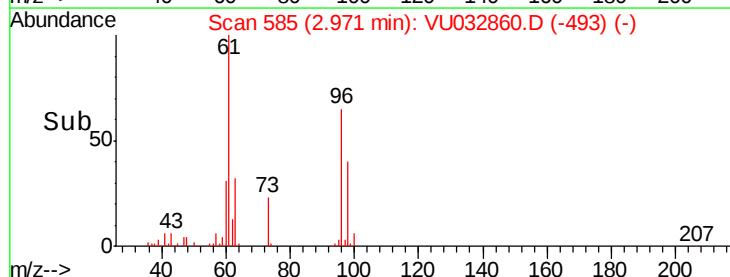
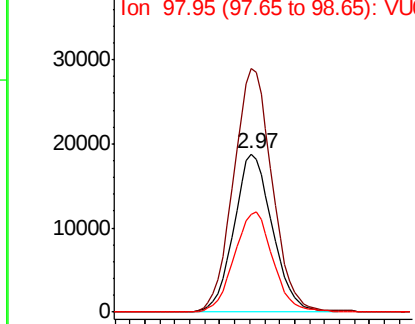


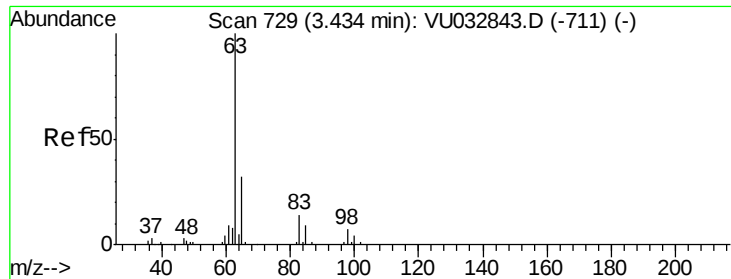
#18
trans-1,2-Dichloroethene
Concen: 5.043 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Tgt Ion: 96 Resp: 33523
Ion Ratio Lower Upper
96 100
61 153.7 103.1 191.5
98 62.0 43.7 81.1



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

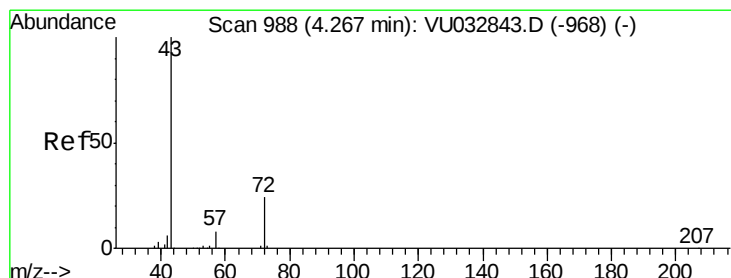
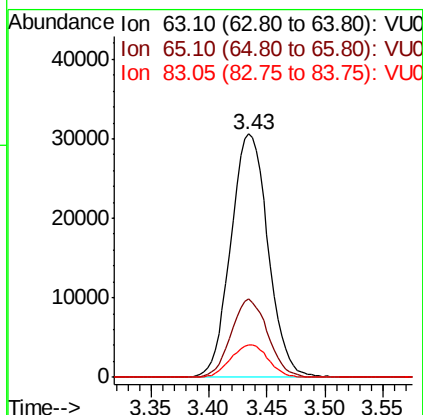
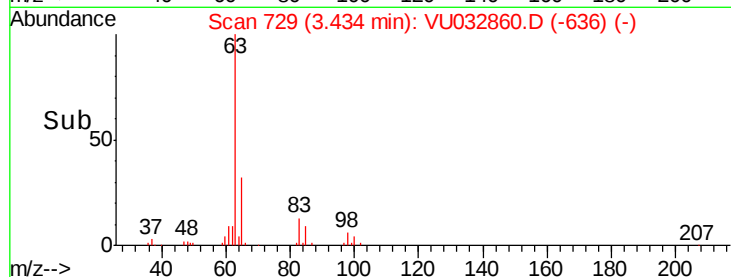
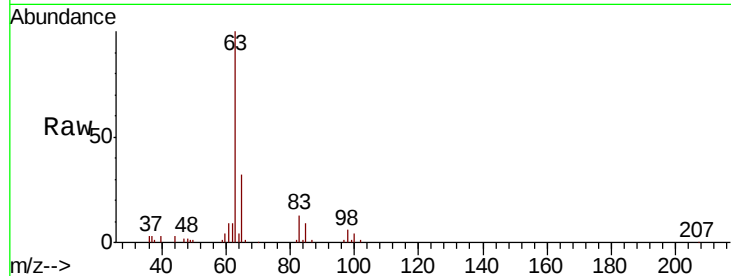




#19
 1,1-Dichloroethane
 Concen: 5.736 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

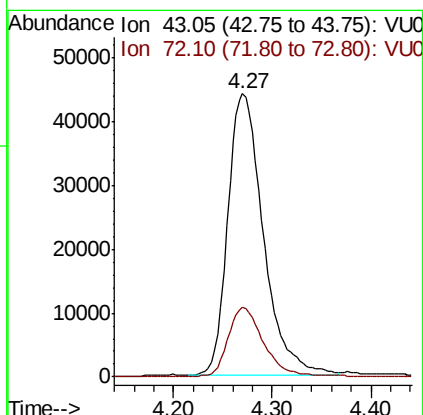
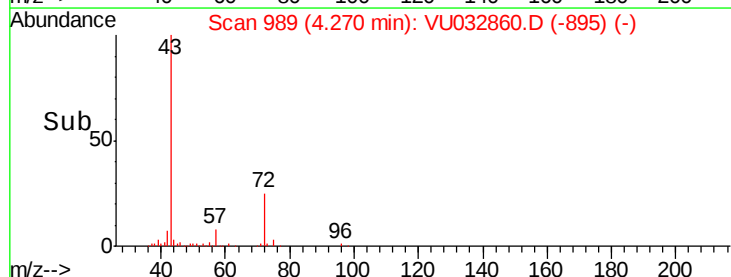
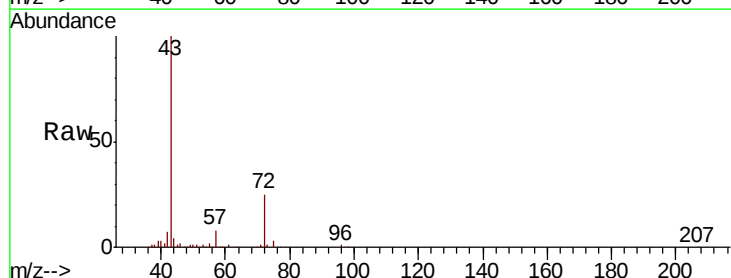
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

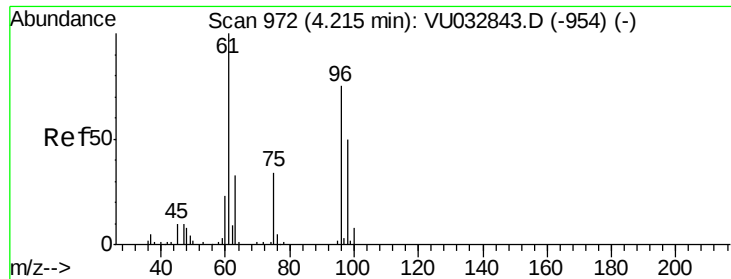
Tgt Ion: 63 Resp: 68243
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.3 39.6
 83 13.3 10.1 18.7



#21
 2-Butanone
 Concen: 56.015 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Tgt Ion: 43 Resp: 111249
 Ion Ratio Lower Upper
 43 100
 72 23.7 13.1 39.3



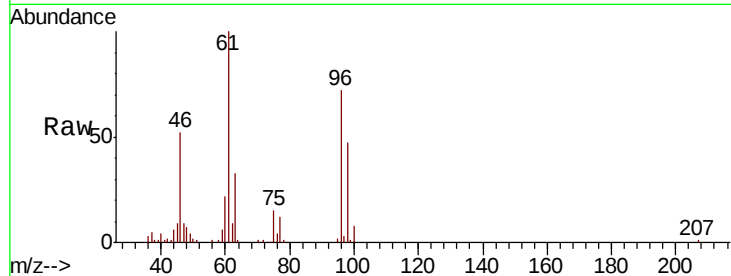


#22

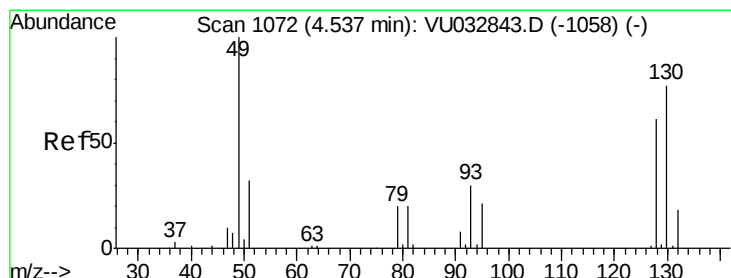
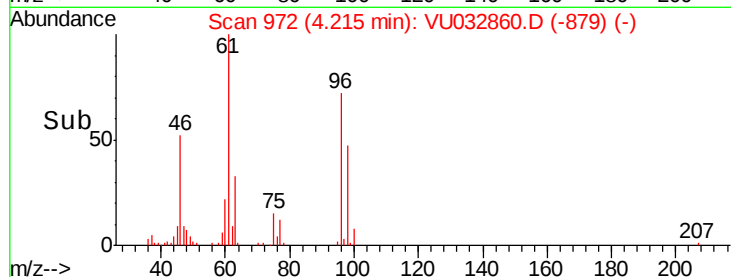
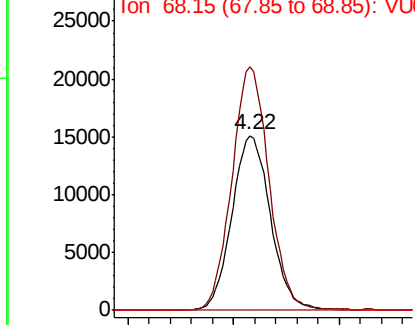
cis-1,2-Dichloroethene
 Concen: 5.091 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00529

Tgt Ion: 96 Resp: 38300
 Ion Ratio Lower Upper
 96 100
 61 139.1 86.6 160.8
 68 0.0 0.0 0.0



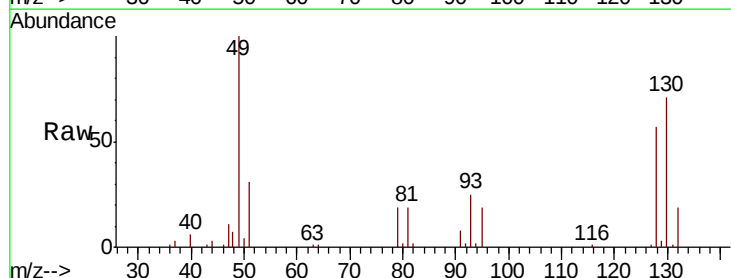
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



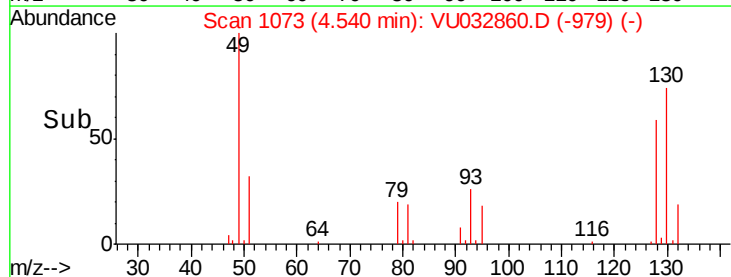
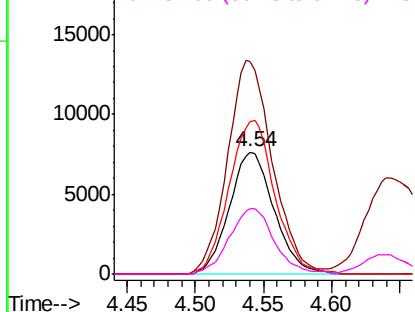
#23

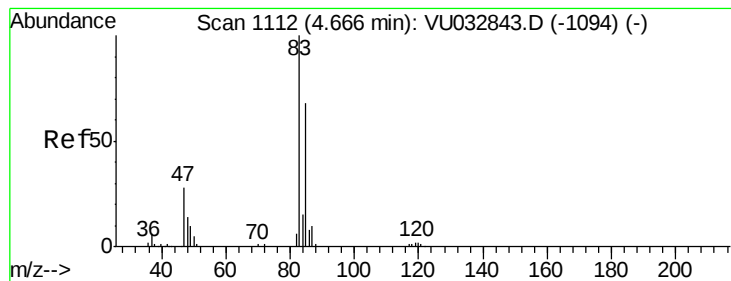
Bromochloromethane
 Concen: 5.343 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Tgt Ion: 128 Resp: 17299
 Ion Ratio Lower Upper
 128 100
 49 174.3 107.8 200.2
 130 124.5 89.3 165.9
 51 53.8 38.2 57.4



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





#25

Chloroform

Concen: 5.627 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

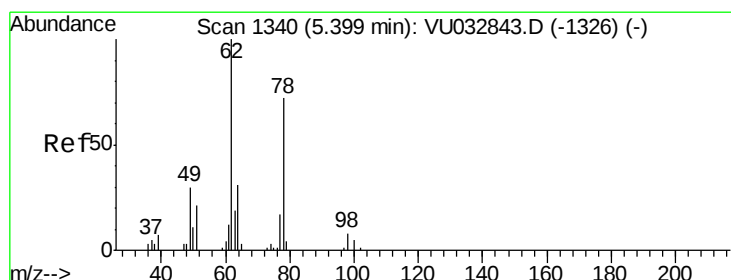
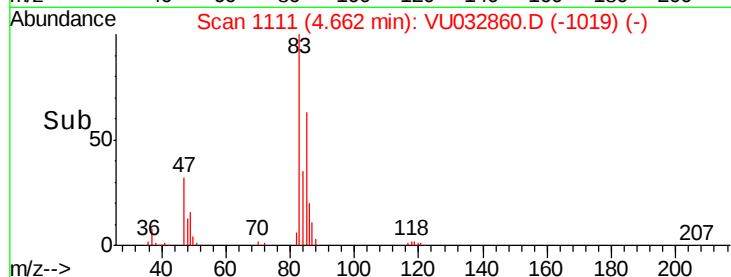
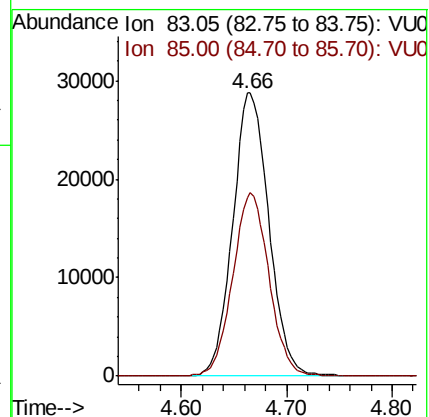
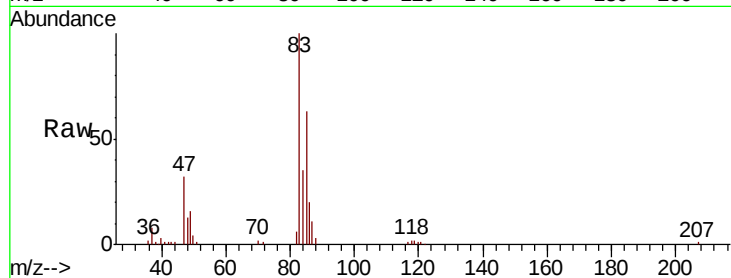
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tgt Ion: 83 Resp: 68389

Ion Ratio Lower Upper

83 100

85 63.1 43.8 81.3



#27

1,2-Dichloroethane

Concen: 5.843 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU032860.D

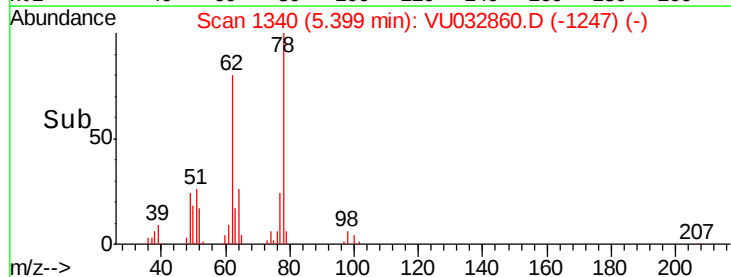
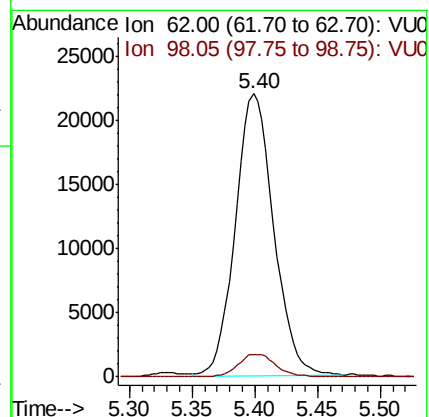
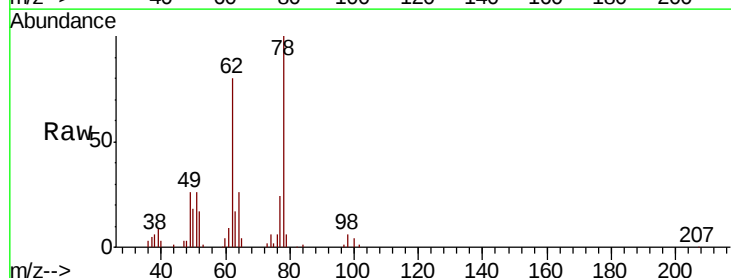
Acq: 19 Jun 2019 16:00

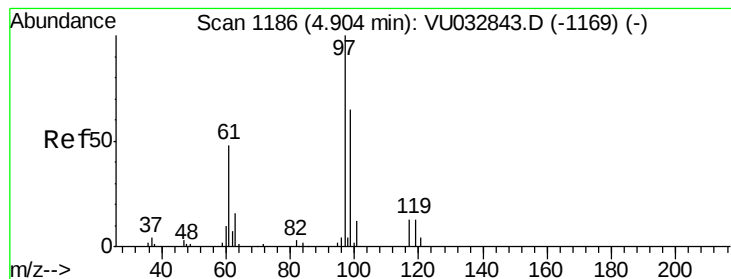
Tgt Ion: 62 Resp: 46673

Ion Ratio Lower Upper

62 100

98 8.1 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.030 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

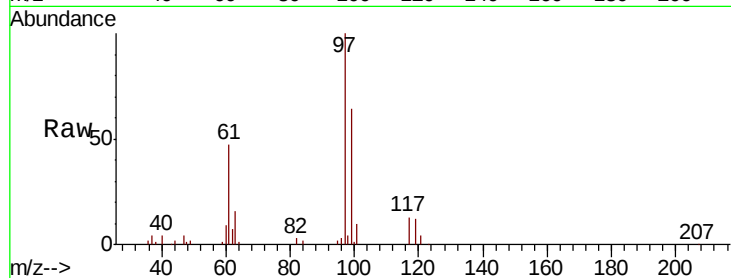
Tgt Ion: 97 Resp: 59507

Ion Ratio Lower Upper

97 100

99 64.7 51.8 77.6

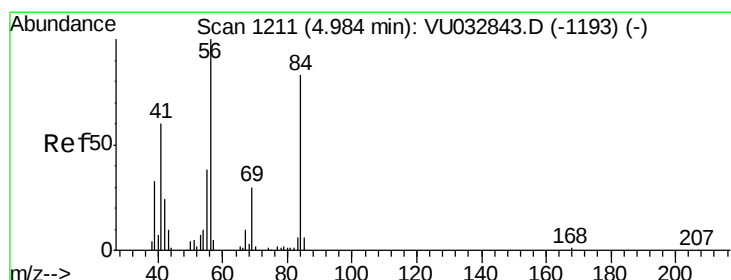
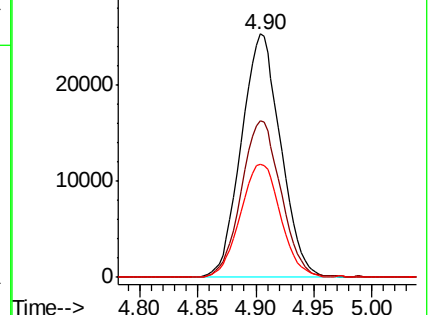
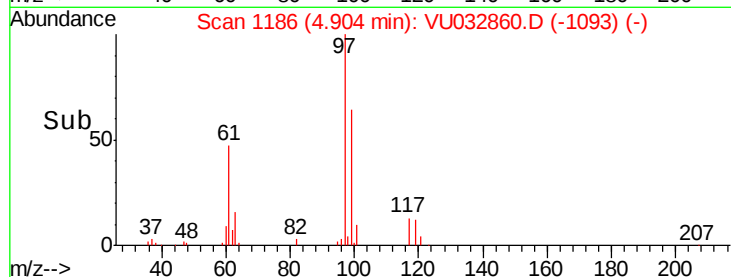
61 47.6 34.7 52.1



Abundance Ion 96.95 (96.65 to 97.65): VU032860.D (-1093) (-)

Ion 99.05 (98.75 to 99.75): VU032860.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VU032860.D (-1093) (-)



#30

Cyclohexane

Concen: 4.575 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

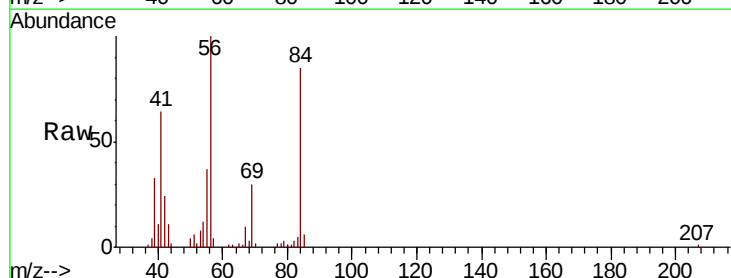
Tgt Ion: 56 Resp: 57208

Ion Ratio Lower Upper

56 100

69 29.4 24.9 37.3

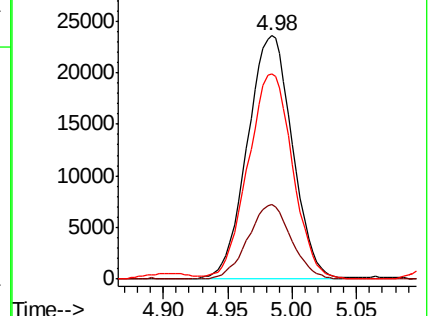
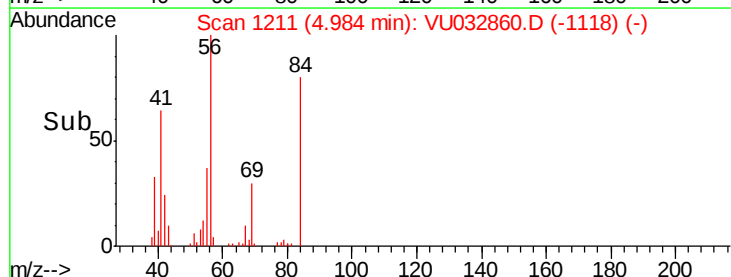
84 84.2 70.2 105.2

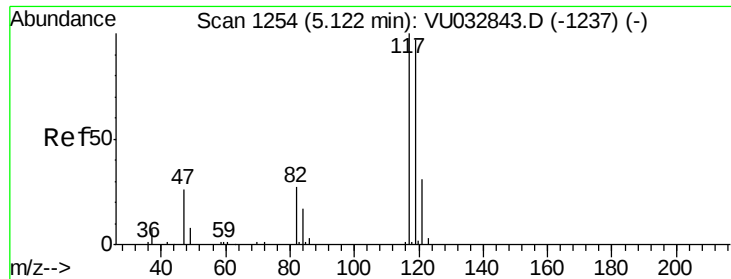


Abundance Ion 56.10 (55.80 to 56.80): VU032860.D (-1118) (-)

Ion 69.15 (68.85 to 69.85): VU032860.D (-1118) (-)

Ion 84.15 (83.85 to 84.85): VU032860.D (-1118) (-)

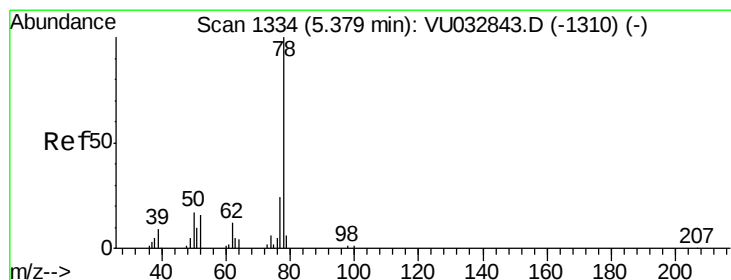
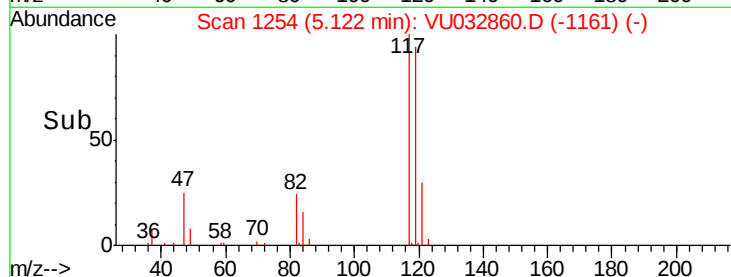
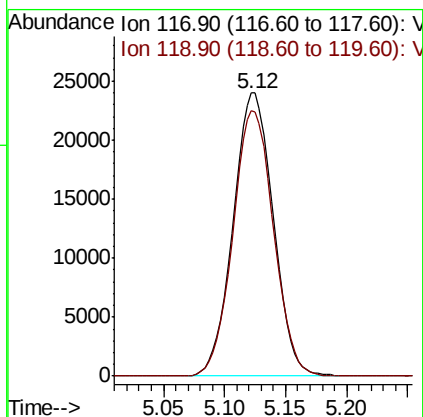
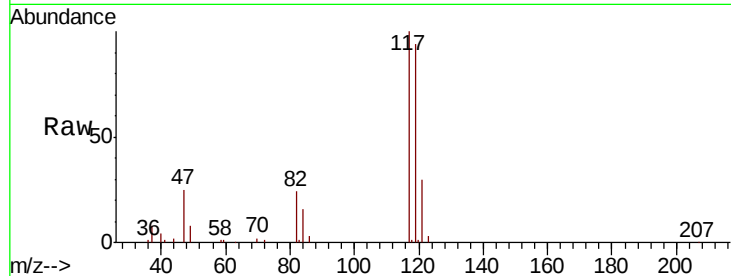




#31
Carbon tetrachloride
Concen: 5.081 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

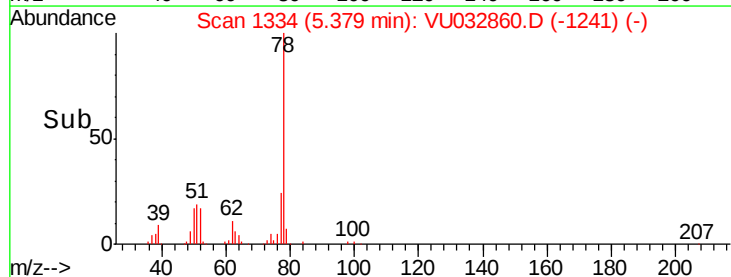
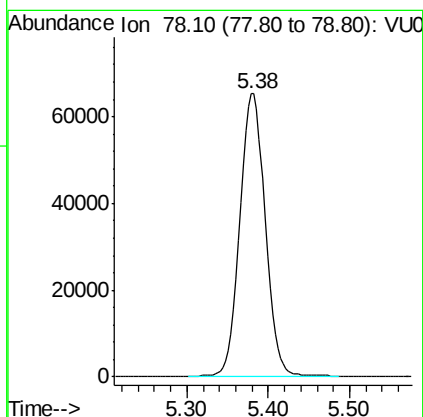
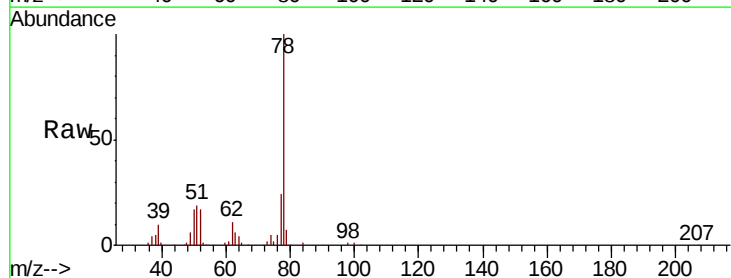
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

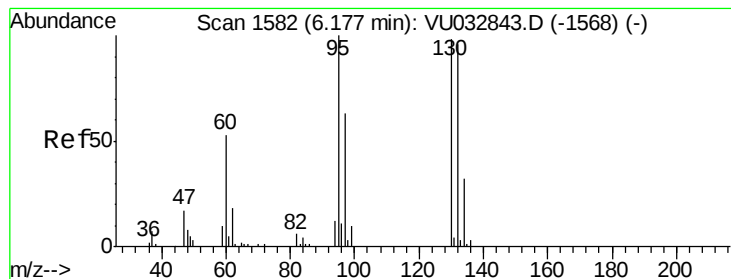
Tgt Ion:117 Resp: 54652
Ion Ratio Lower Upper
117 100
119 94.7 77.8 116.6



#33
Benzene
Concen: 4.927 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Tgt Ion: 78 Resp: 141023





#34

Trichloroethene

Concen: 4.597 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tgt Ion: 95 Resp: 37851

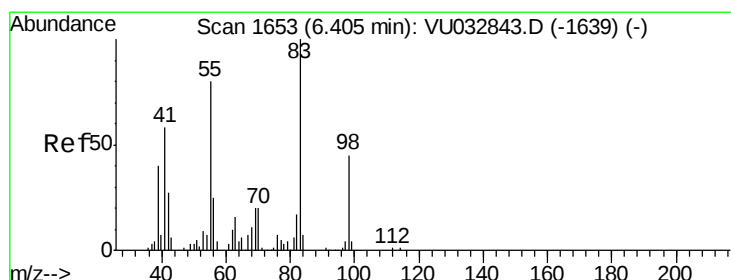
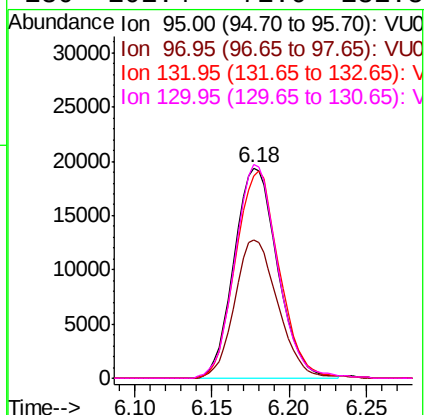
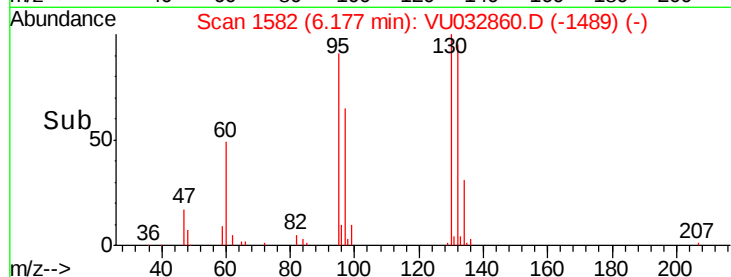
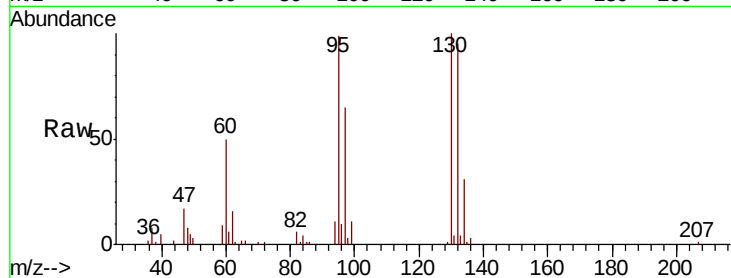
Ion Ratio Lower Upper

95 100

97 65.9 44.1 81.9

132 95.9 68.8 127.8

130 101.4 71.0 131.8



#35

Methylcyclohexane

Concen: 4.543 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

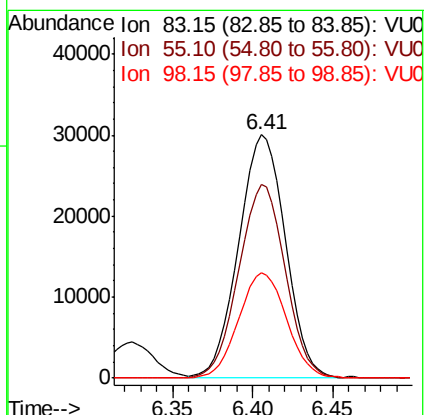
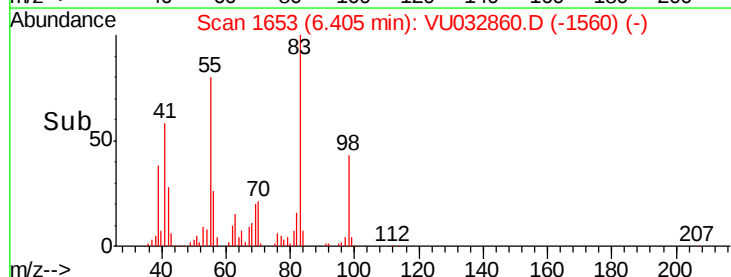
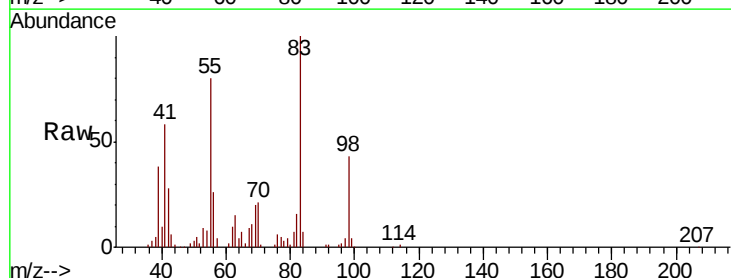
Tgt Ion: 83 Resp: 60152

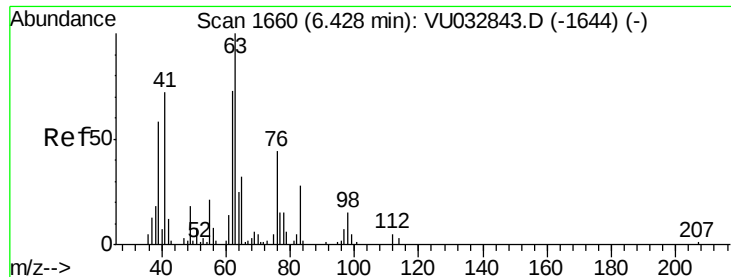
Ion Ratio Lower Upper

83 100

55 79.0 60.0 90.0

98 44.3 37.8 56.8





#37

1,2-Dichloropropane

Concen: 5.391 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

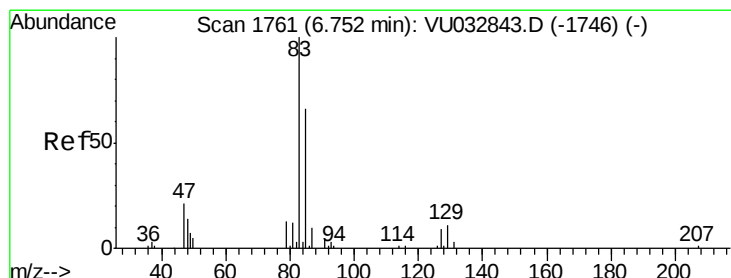
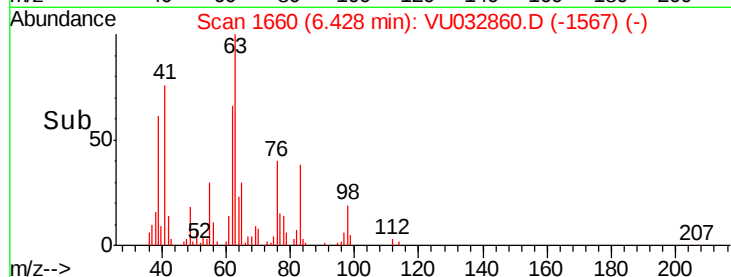
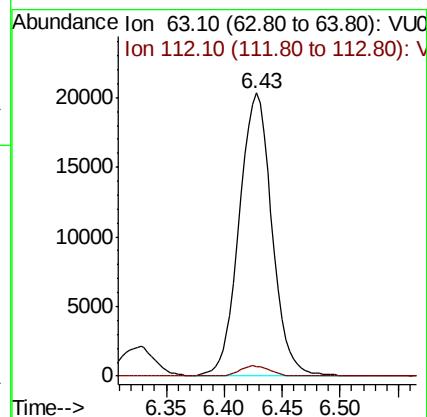
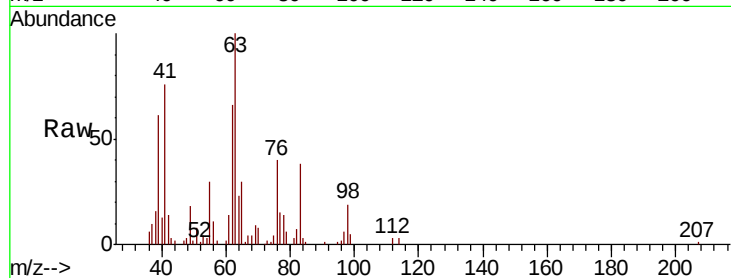
VSTD00529

Tgt Ion: 63 Resp: 39922

Ion Ratio Lower Upper

63 100

112 3.3 2.9 4.3



#38

Bromodichloromethane

Concen: 5.118 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

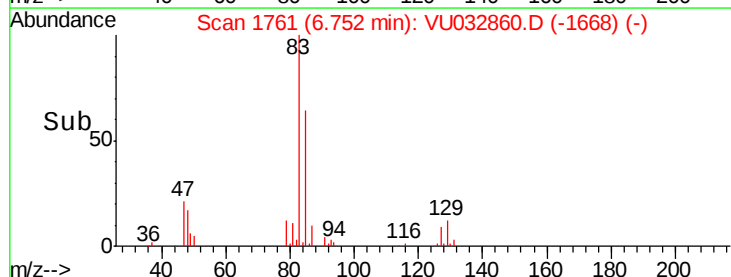
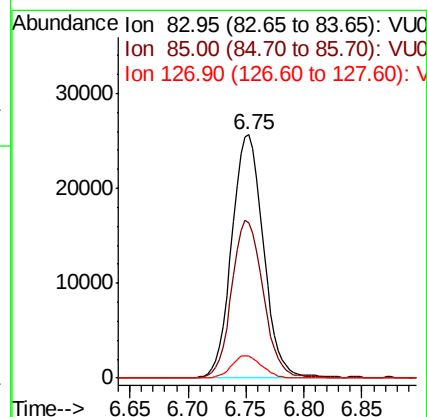
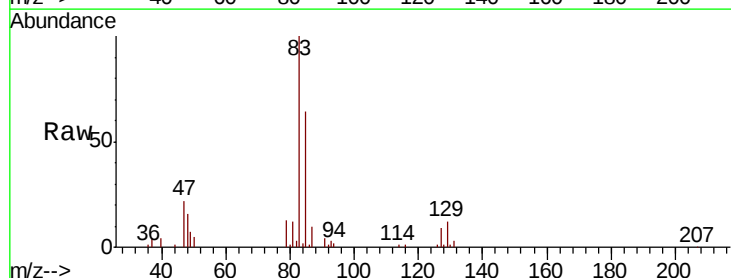
Tgt Ion: 83 Resp: 48719

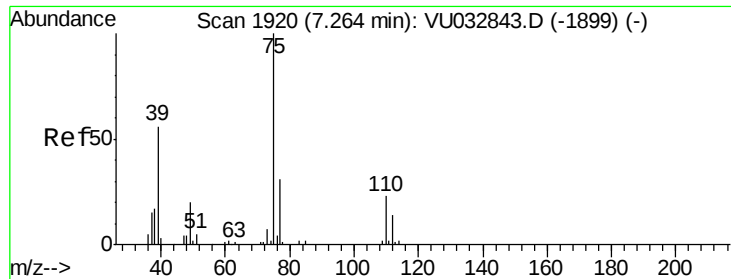
Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0

127 8.9 7.4 11.2

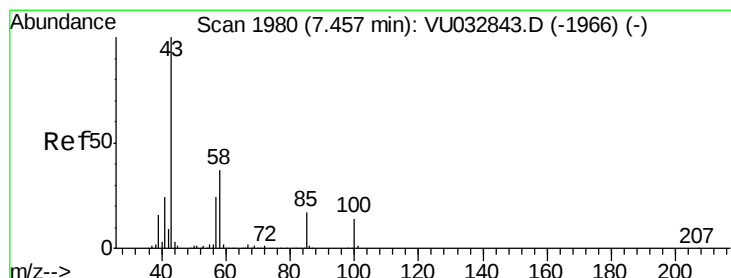
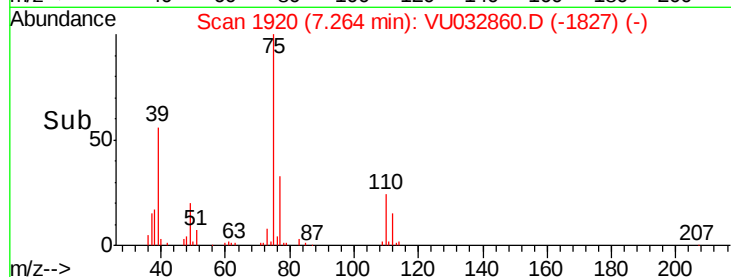
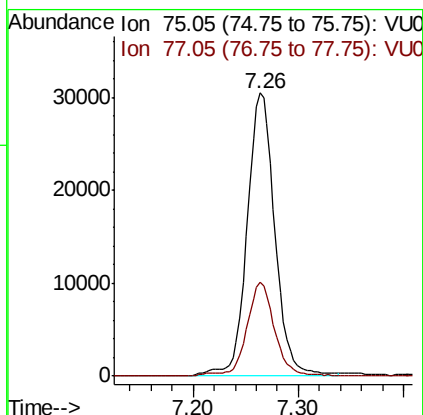
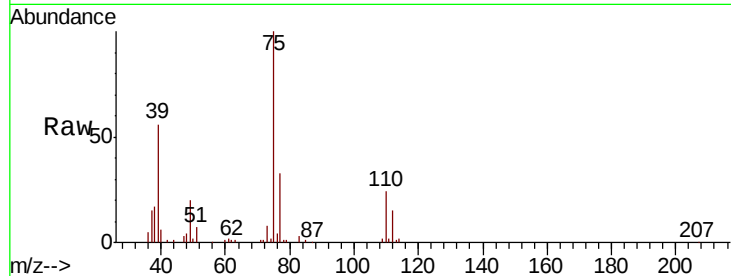




#39
 cis-1,3-Dichloropropene
 Concen: 4.936 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

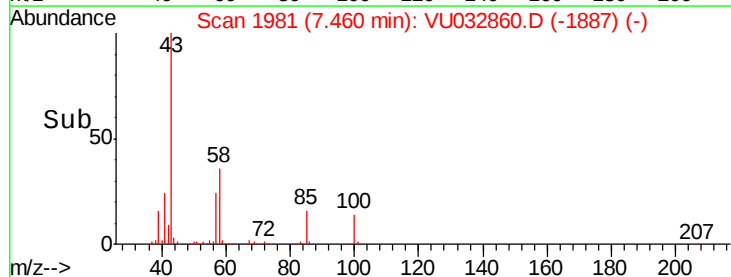
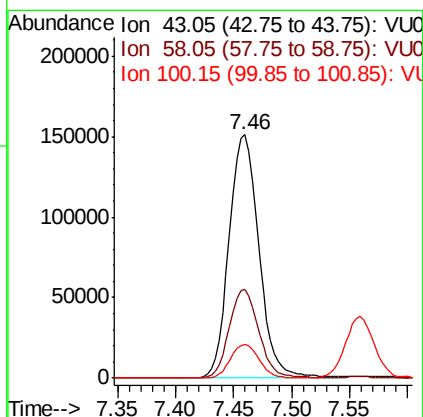
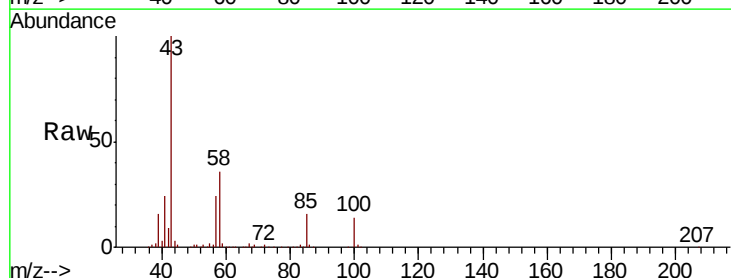
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

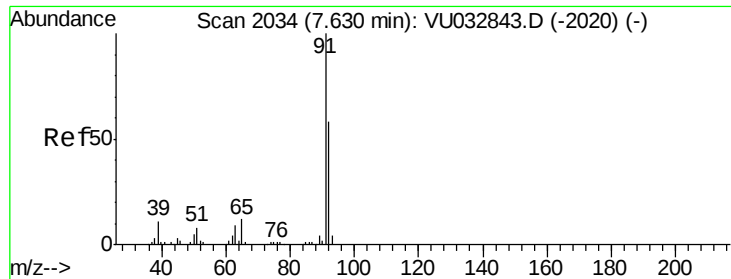
Tgt Ion: 75 Resp: 56124
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 51.432 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Tgt Ion: 43 Resp: 271058
 Ion Ratio Lower Upper
 43 100
 58 36.1 30.9 46.3
 100 13.3 11.9 17.9





#42

Toluene

Concen: 4.854 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

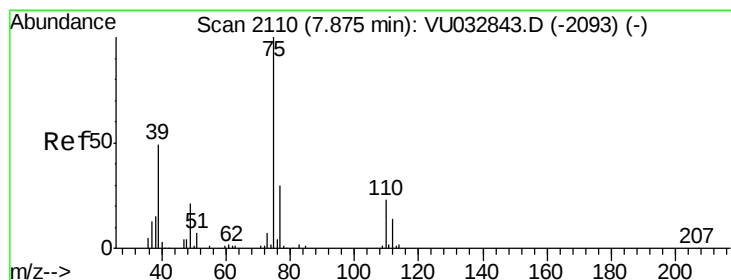
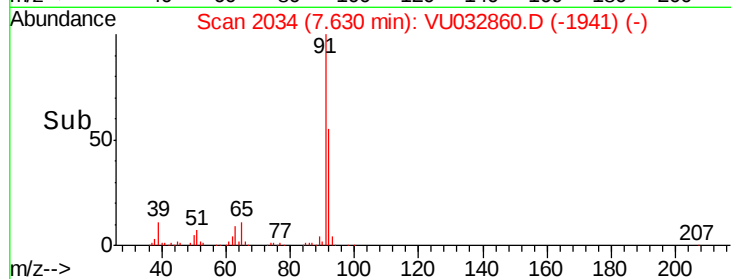
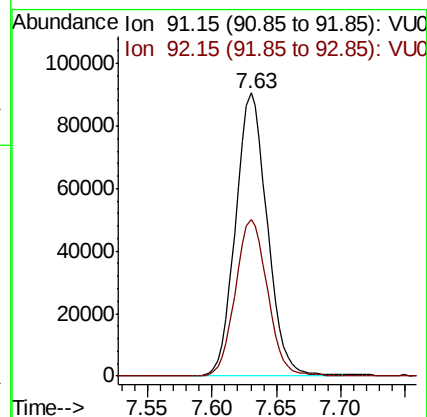
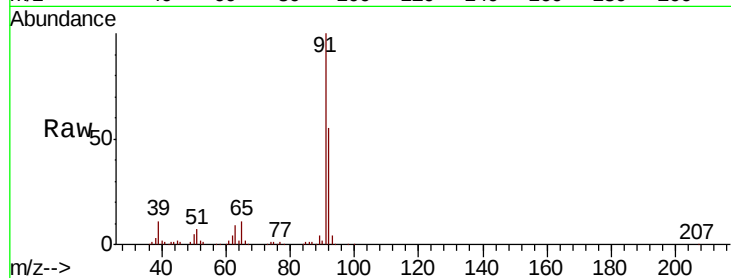
VSTD00529

Tgt Ion: 91 Resp: 154836

Ion Ratio Lower Upper

91 100

92 55.2 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.096 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032860.D

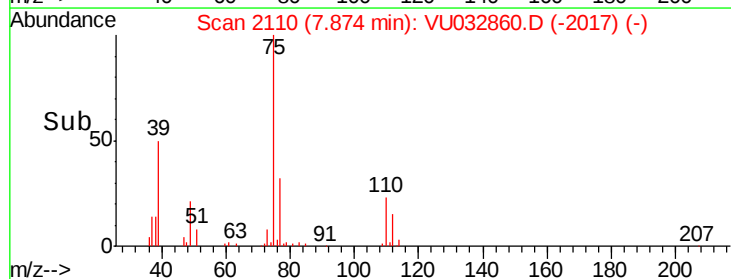
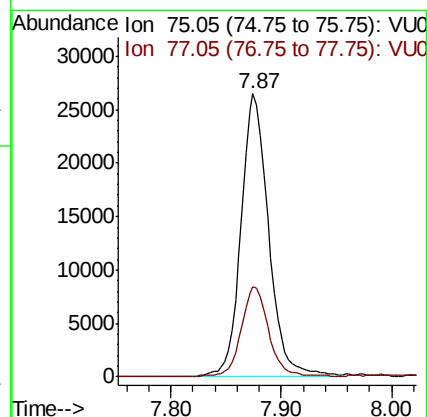
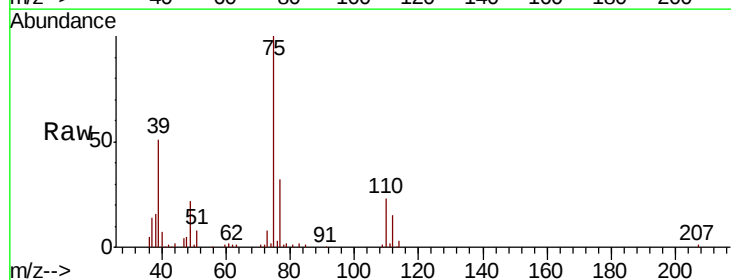
Acq: 19 Jun 2019 16:00

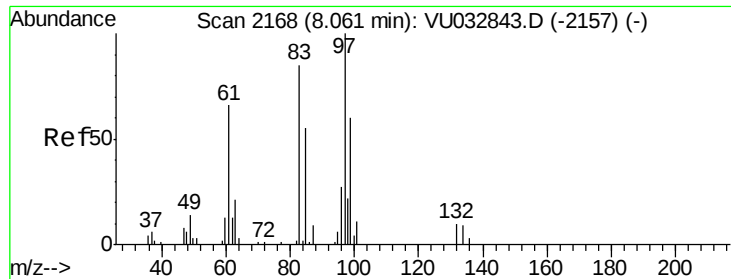
Tgt Ion: 75 Resp: 46259

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7

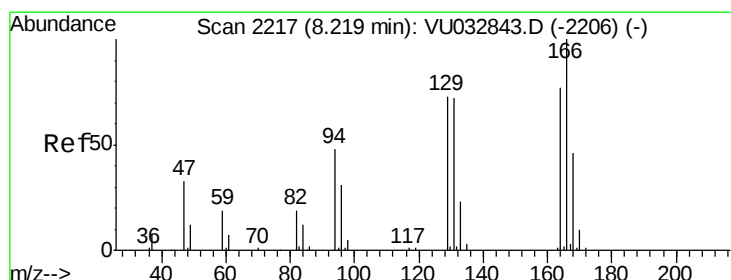
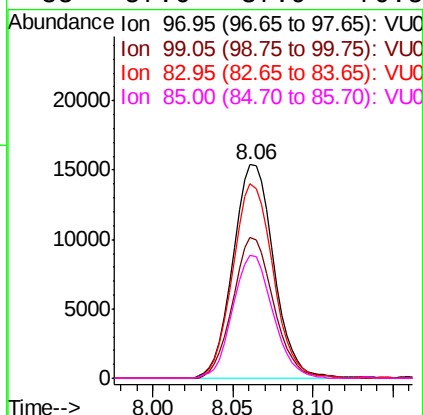
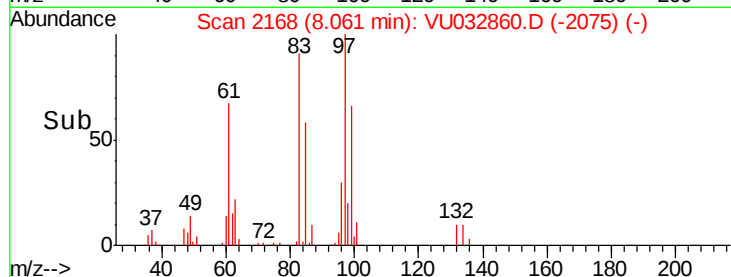
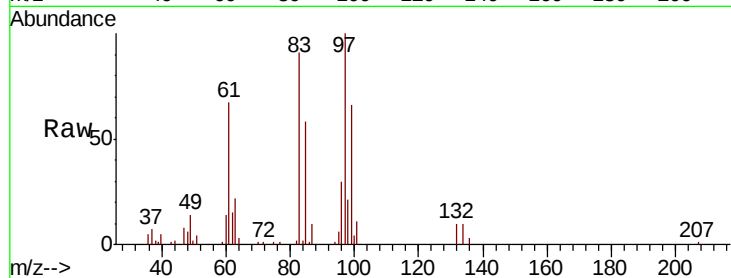




#45
 1,1,2-Trichloroethane
 Concen: 4.970 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

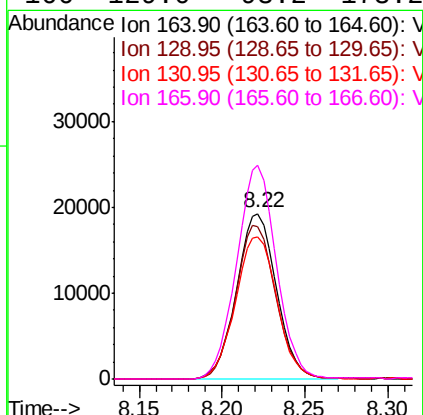
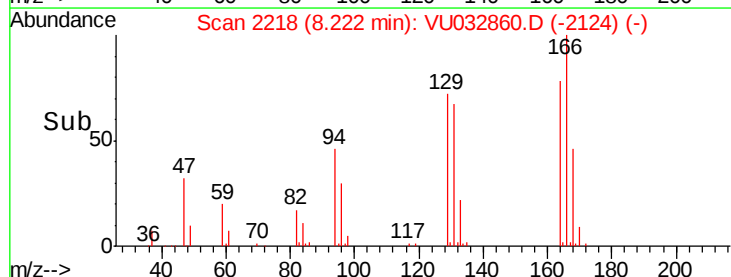
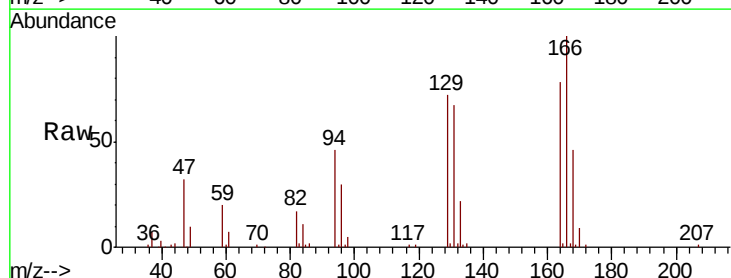
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

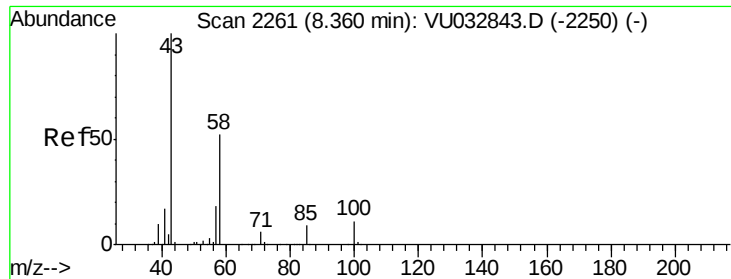
Tgt Ion:	97	Resp:	26779
Ion	Ratio	Lower	Upper
97	100		
99	65.9	44.9	83.3
83	90.9	58.7	108.9
85	57.6	37.9	70.5



#47
 Tetrachloroethene
 Concen: 4.968 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Tgt Ion:	164	Resp:	32188
Ion	Ratio	Lower	Upper
164	100		
129	92.4	66.1	122.7
131	86.1	65.6	121.8
166	129.0	93.2	173.2

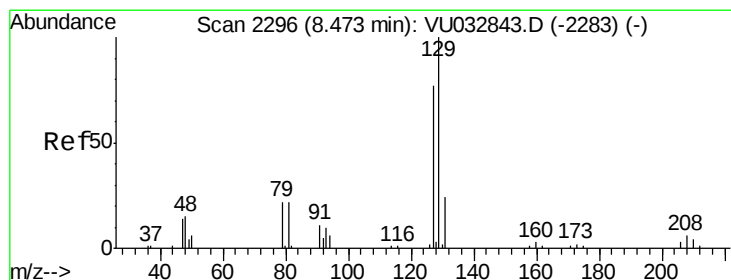
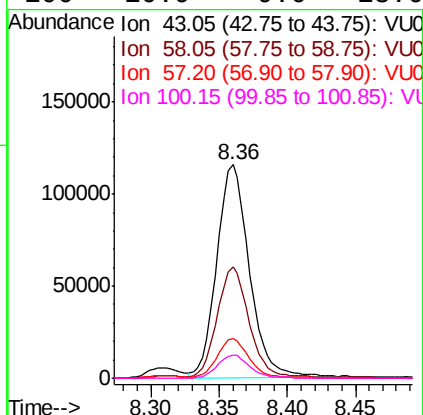
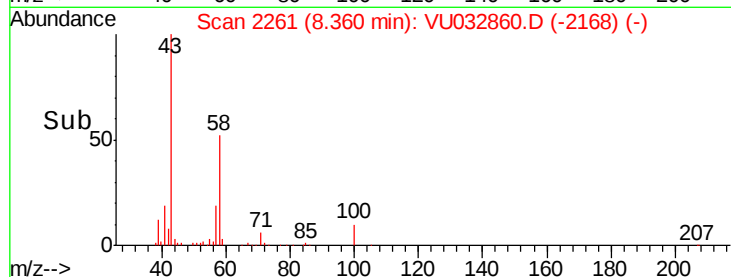
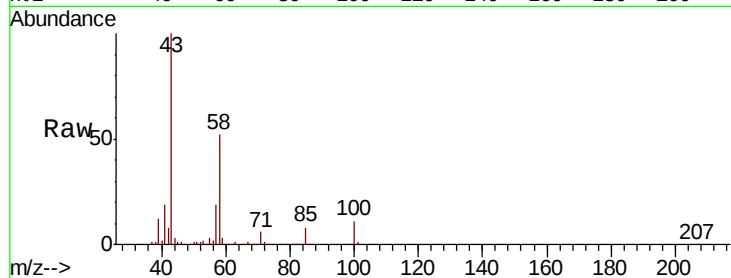




#48
2-Hexanone
Concen: 50.750 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

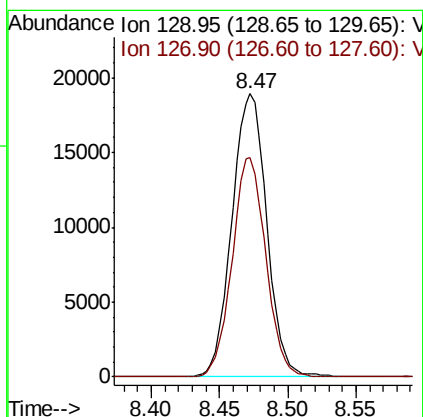
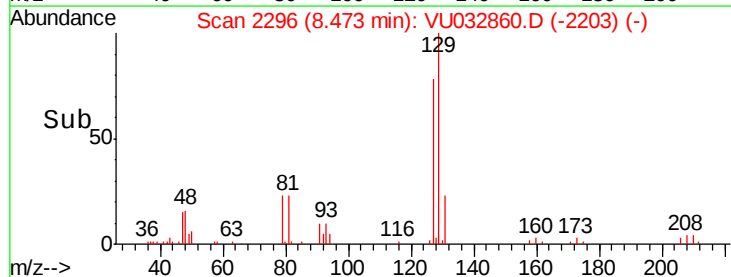
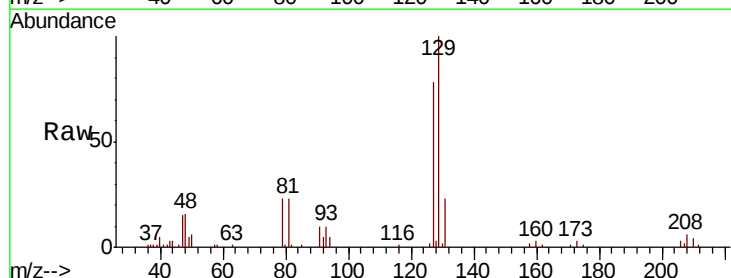
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

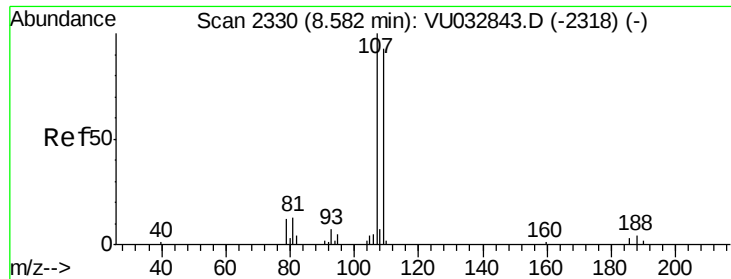
Tgt Ion: 43 Resp: 191138
Ion Ratio Lower Upper
43 100
58 51.1 41.9 62.9
57 18.1 15.1 22.7
100 10.9 9.0 13.6



#49
Dibromochloromethane
Concen: 4.864 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Tgt Ion: 129 Resp: 33525
Ion Ratio Lower Upper
129 100
127 77.6 53.3 98.9

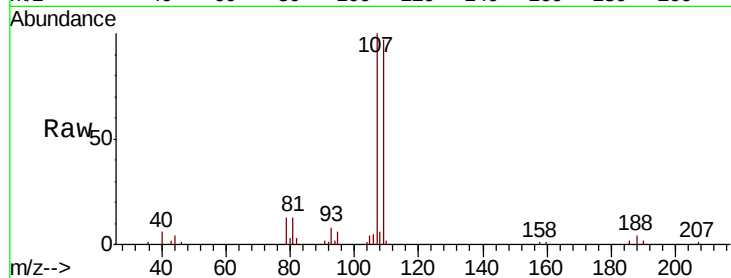




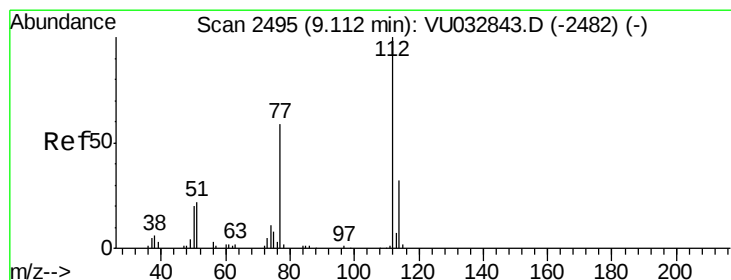
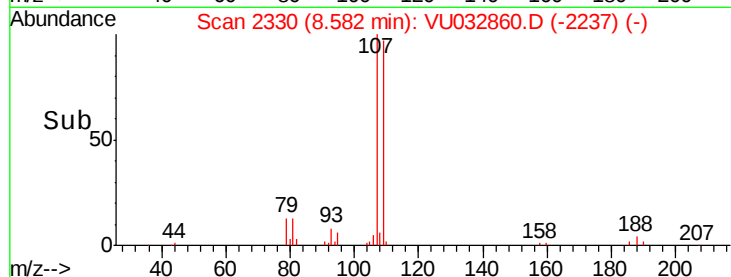
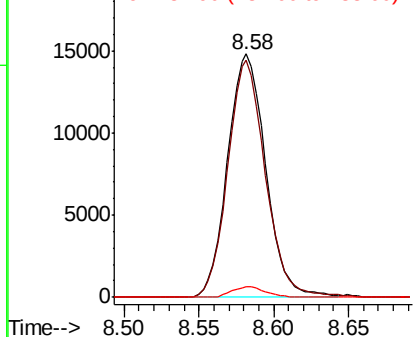
#50
 1,2-Dibromoethane
 Concen: 4.904 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tgt Ion:107 Resp: 26332
 Ion Ratio Lower Upper
 107 100
 109 97.3 65.2 121.0
 188 4.2 3.1 4.7

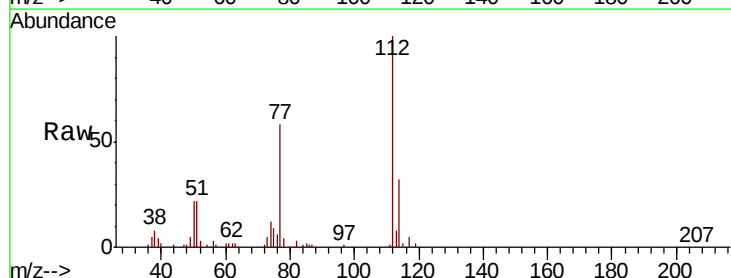


Abundance Ion 106.95 (106.65 to 107.65): V
 20000 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

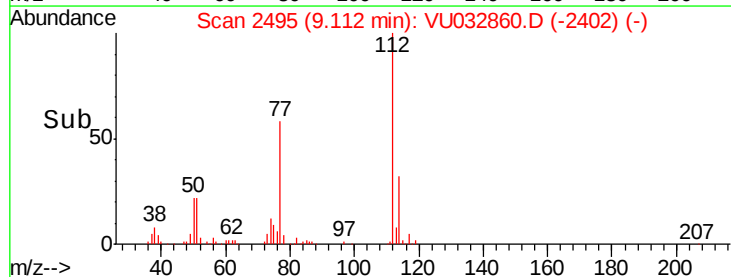
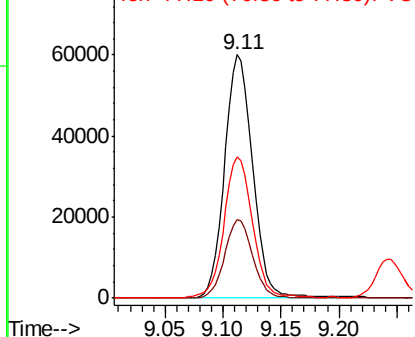


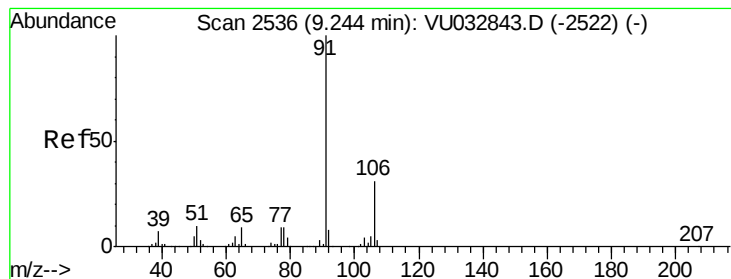
#51
 Chlorobenzene
 Concen: 5.059 ug/L
 RT: 9.11 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Tgt Ion:112 Resp: 101187
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.4 41.6
 77 58.1 46.5 69.7



Abundance Ion 112.10 (111.80 to 112.80): V
 80000 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.818 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

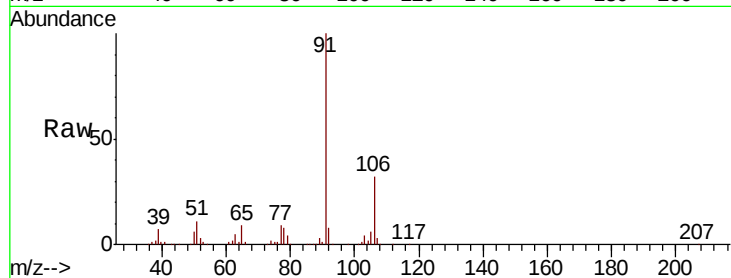
VSTD00529

Tgt Ion: 91 Resp: 169390

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.6



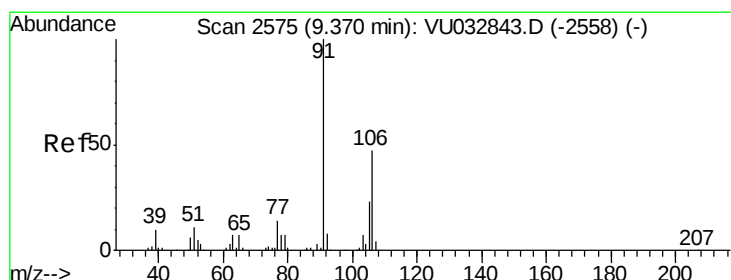
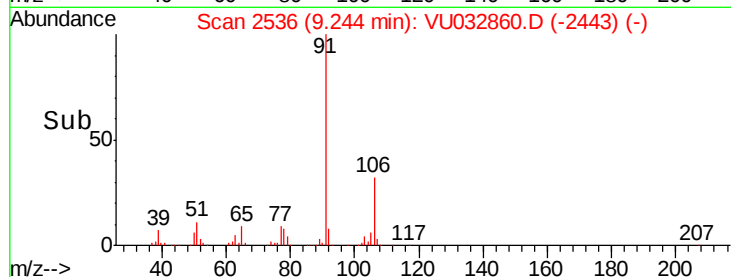
Abundance Ion 91.15 (90.85 to 91.85): VU032843.D (-2522) (-)

Ion 106.15 (105.85 to 106.85): VU032843.D (-2522) (-)

9.24

Time-->

9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 4.802 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032860.D

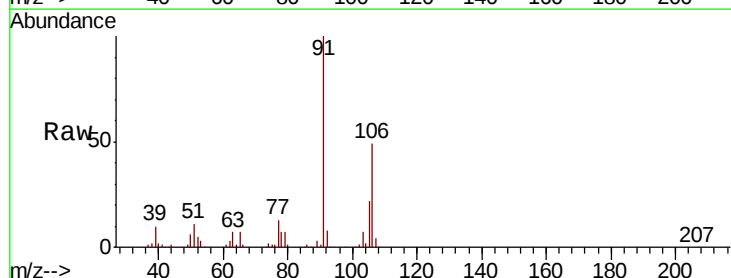
Acq: 19 Jun 2019 16:00

Tgt Ion: 106 Resp: 63999

Ion Ratio Lower Upper

106 100

91 203.5 142.4 264.4



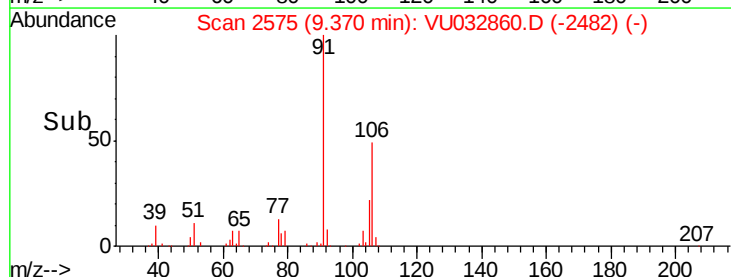
Abundance Ion 106.15 (105.85 to 106.85): VU032843.D (-2558) (-)

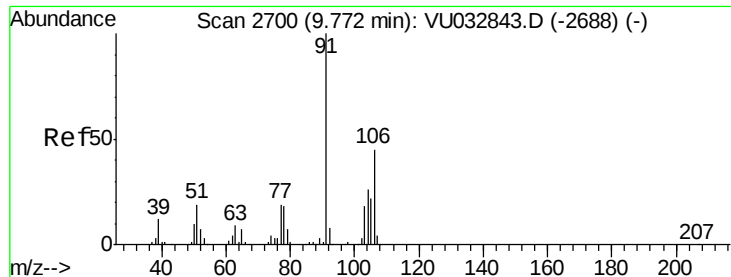
Ion 91.15 (90.85 to 91.85): VU032843.D (-2558) (-)

9.37

Time-->

9.30 9.35 9.40 9.45 9.50

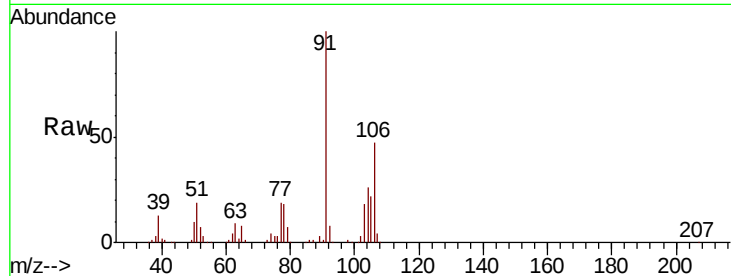




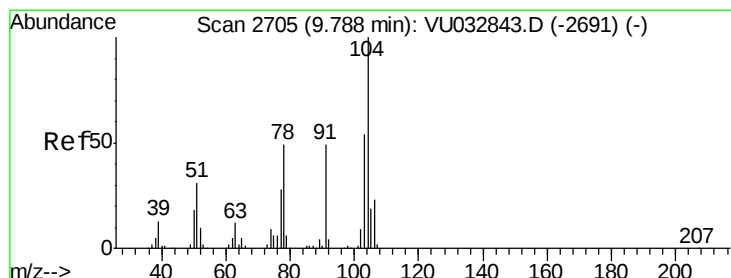
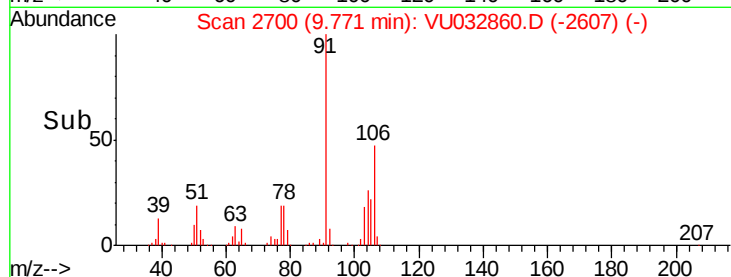
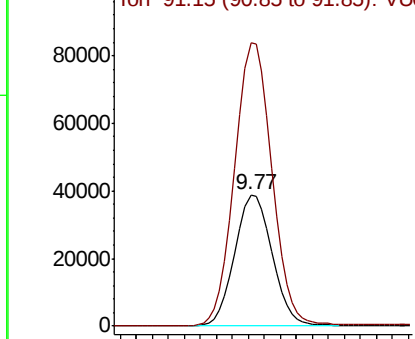
#54
o-Xylene
Concen: 4.664 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tgt Ion:106 Resp: 62043
Ion Ratio Lower Upper
106 100
91 215.0 148.8 276.4

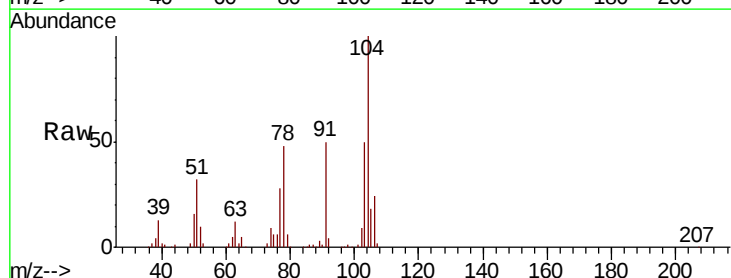


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

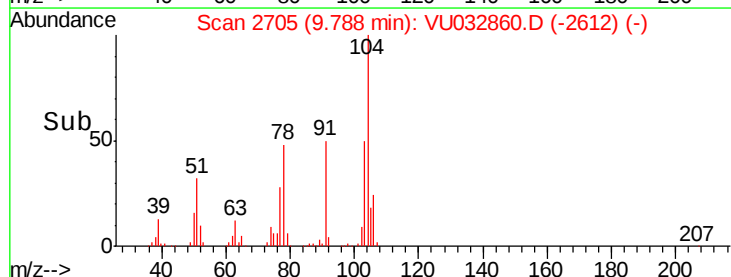
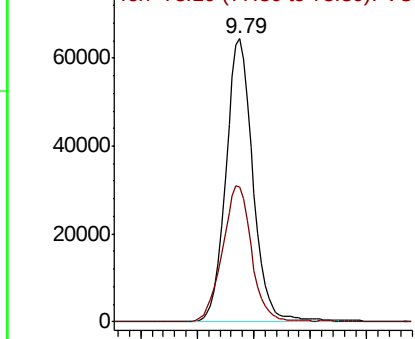


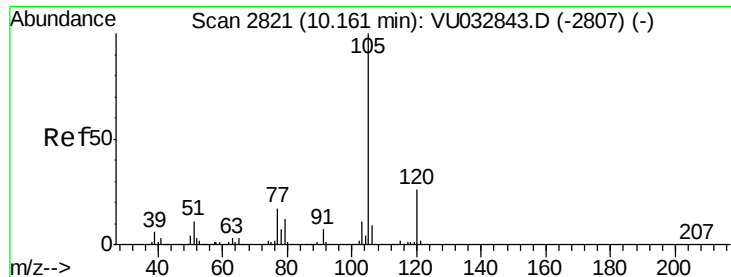
#55
Styrene
Concen: 4.897 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Tgt Ion:104 Resp: 107169
Ion Ratio Lower Upper
104 100
78 47.8 32.2 59.8



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

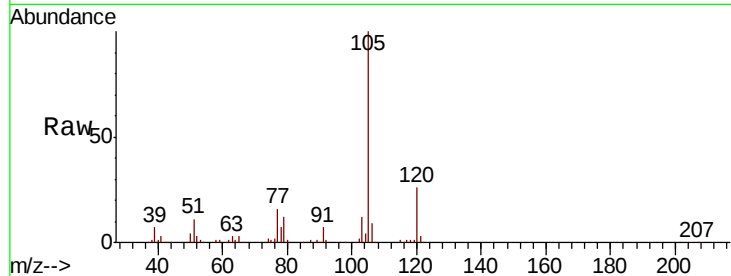




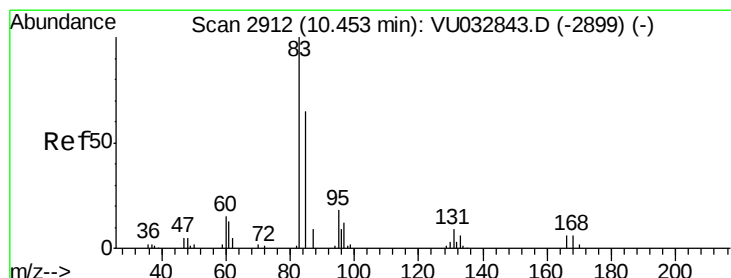
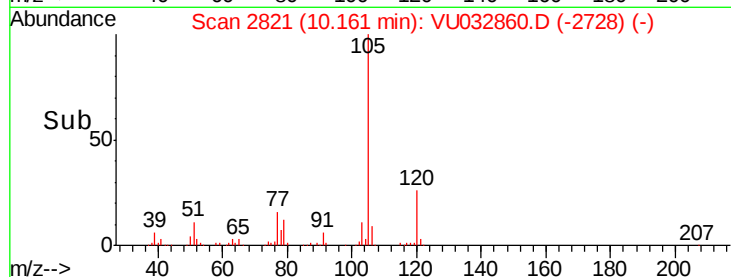
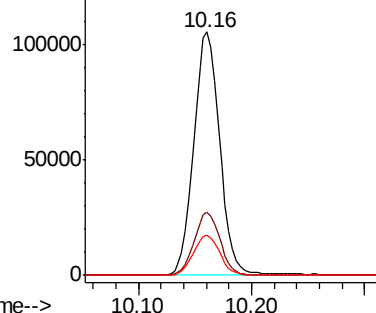
#56
Isopropylbenzene
Concen: 4.817 ug/L
RT: 10.16 min Scan# 2821
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	21.6	32.4
77	16.7	12.3	18.5

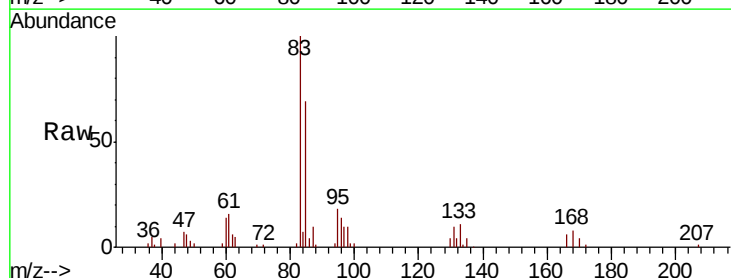


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

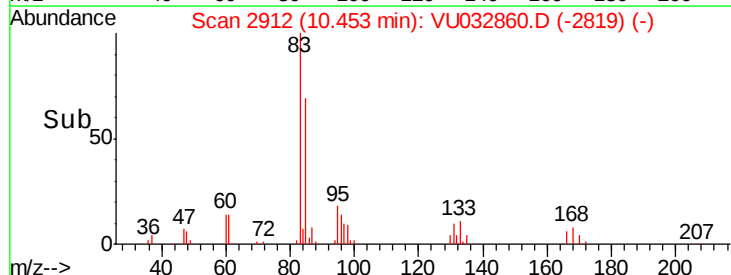
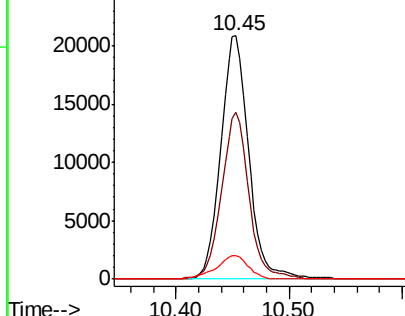


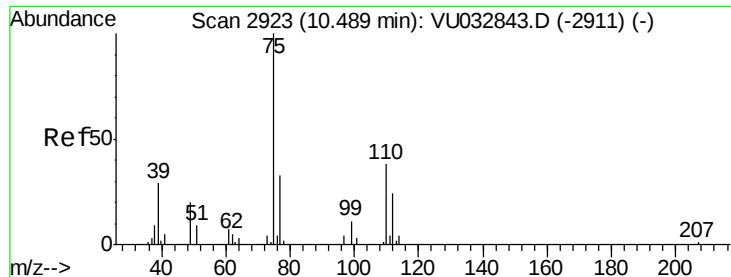
#58
1,1,2,2-Tetrachloroethane
Concen: 5.196 ug/L
RT: 10.45 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VU032860.D
Acq: 19 Jun 2019 16:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.5	45.7	84.9
131	9.8	8.0	12.0



Abundance Ion 82.95 (82.65 to 83.65): VU
Ion 85.00 (84.70 to 85.70): VU
Ion 130.95 (130.65 to 131.65): V

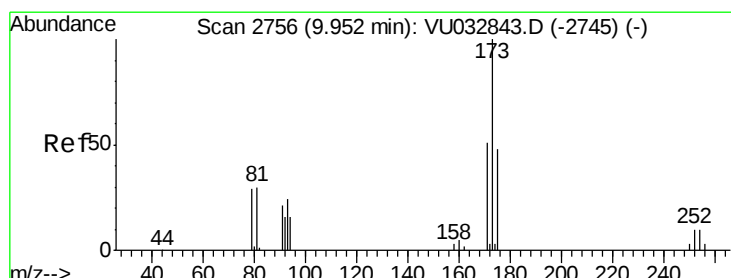
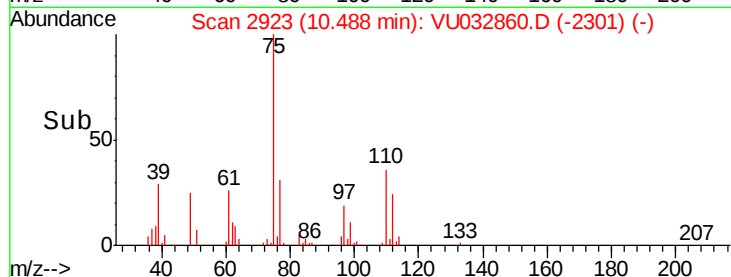
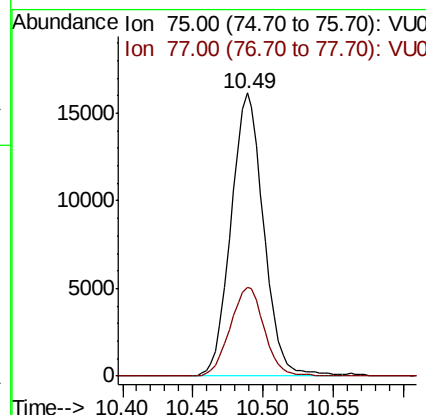
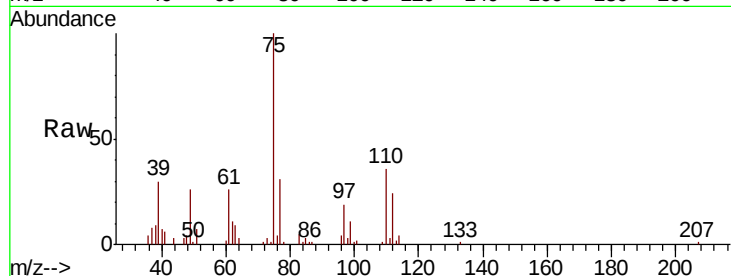




#59
 1,2,3-Trichloropropane
 Concen: 5.377 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

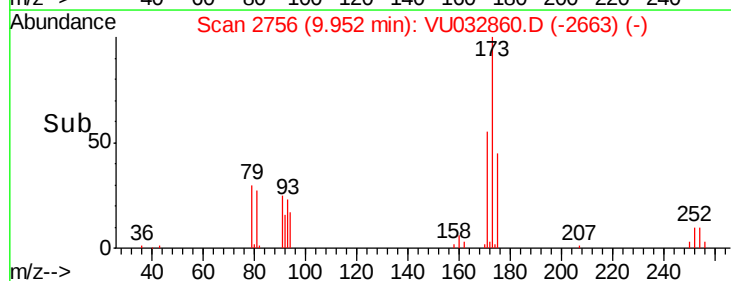
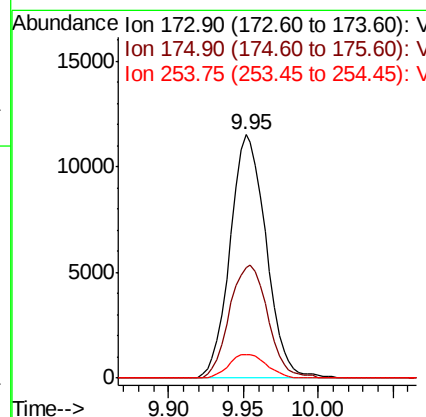
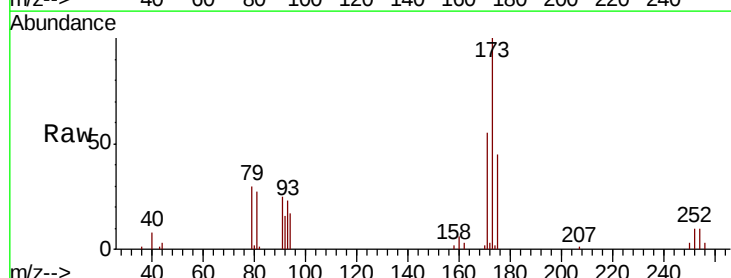
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

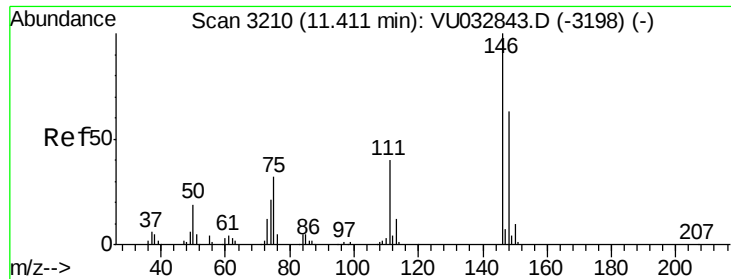
Tgt Ion: 75 Resp: 26150
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.3 37.9



#61
 Bromoform
 Concen: 4.457 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Tgt Ion: 173 Resp: 19350
 Ion Ratio Lower Upper
 173 100
 175 49.1 37.9 56.9
 254 10.2 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.744 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

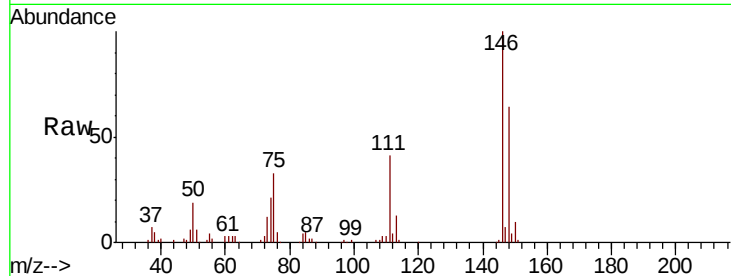
Tgt Ion:146 Resp: 83698

Ion Ratio Lower Upper

146 100

111 41.3 27.7 51.5

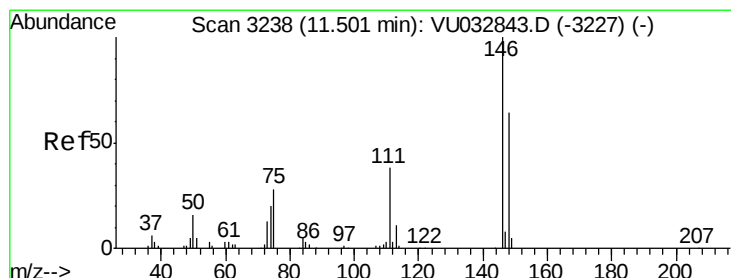
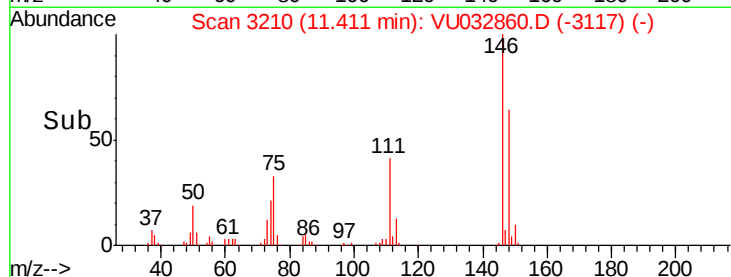
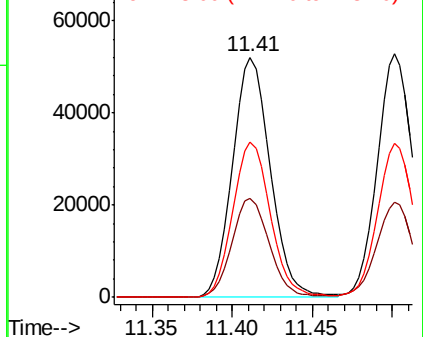
148 64.3 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.697 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

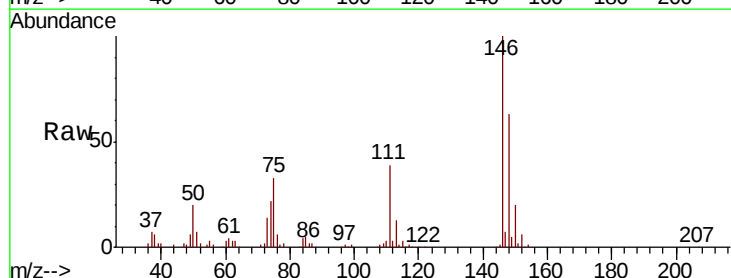
Tgt Ion:146 Resp: 84240

Ion Ratio Lower Upper

146 100

111 39.0 26.2 48.6

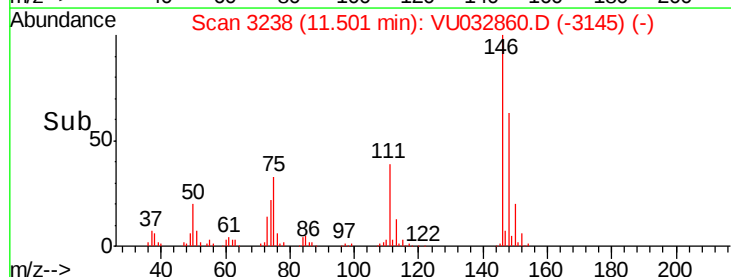
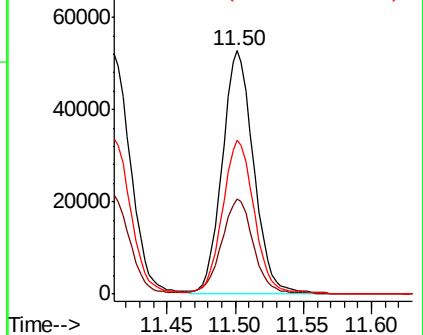
148 63.1 43.9 81.5

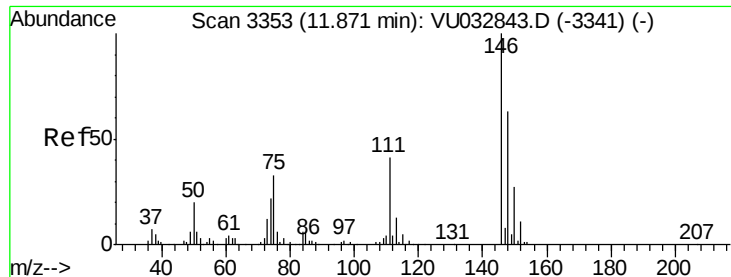


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.646 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

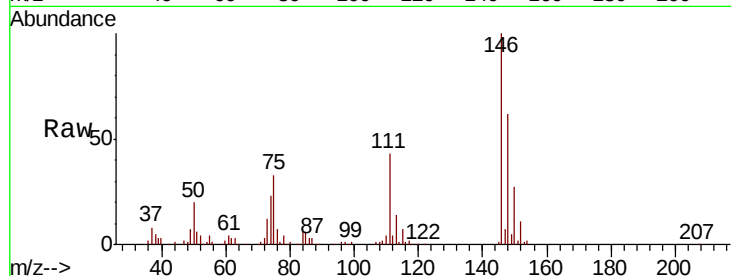
Tgt Ion:146 Resp: 79190

Ion Ratio Lower Upper

146 100

111 42.9 33.0 49.4

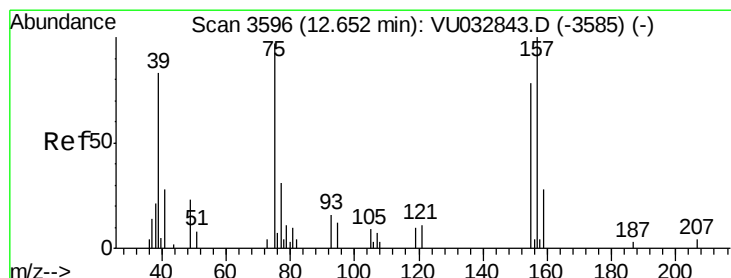
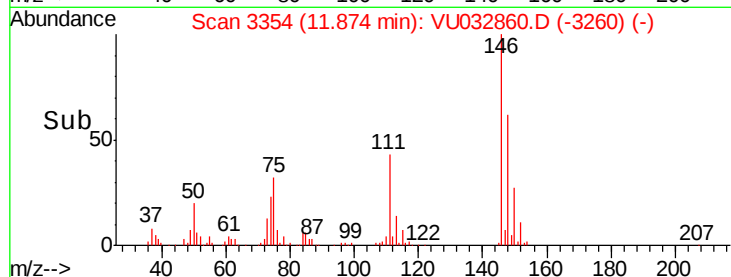
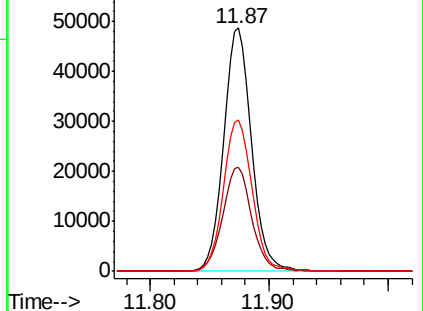
148 62.2 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.652 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

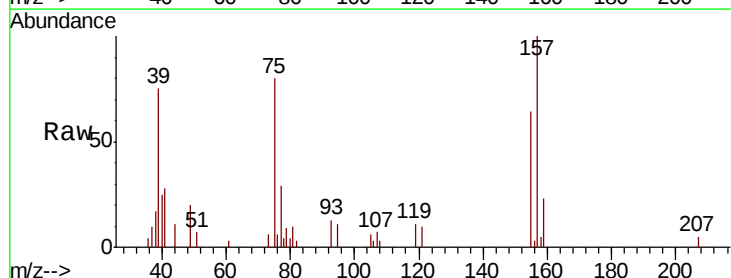
Tgt Ion: 75 Resp: 5568

Ion Ratio Lower Upper

75 100

155 80.7 72.3 108.5

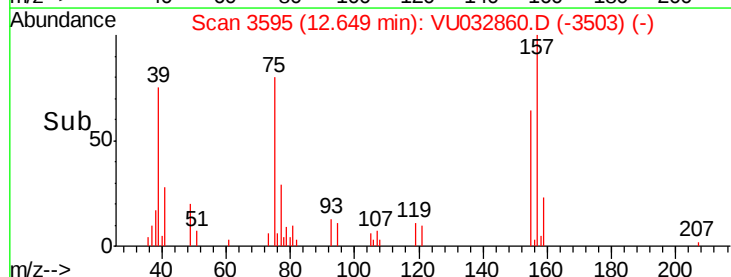
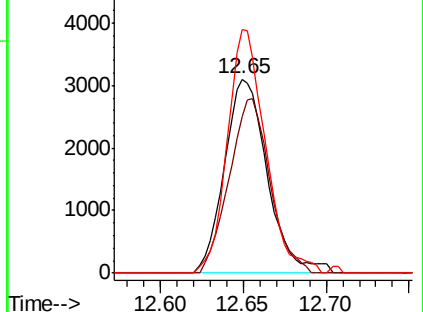
157 125.7 87.4 131.0

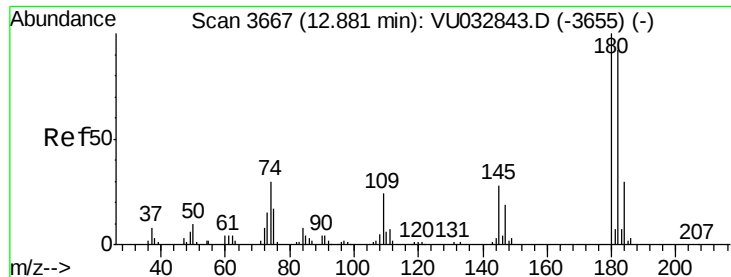


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

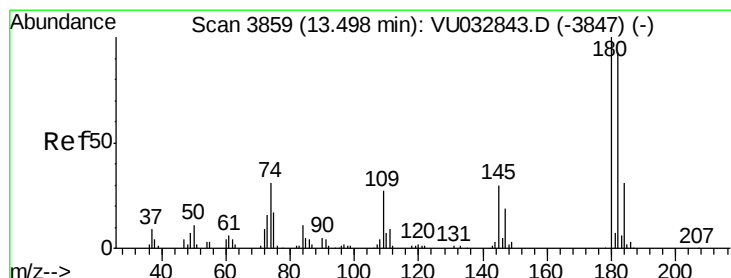
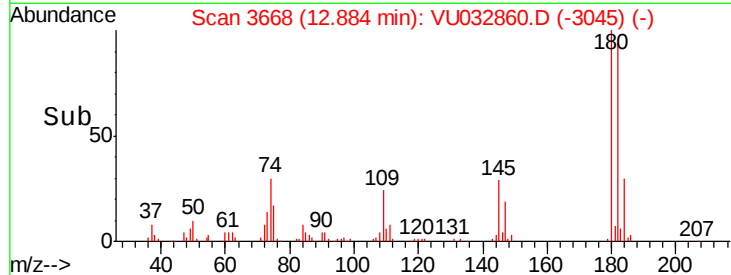
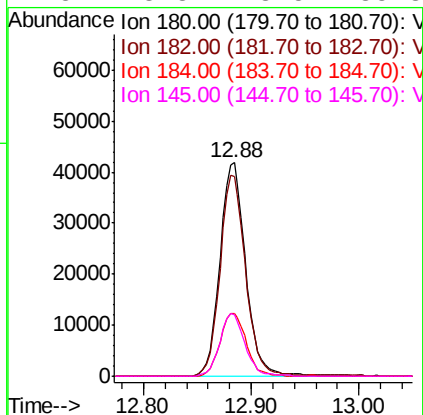
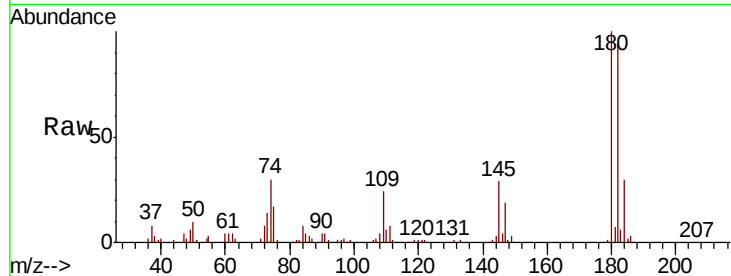




#67
 1,3,5-Trichlorobenzene
 Concen: 4.903 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

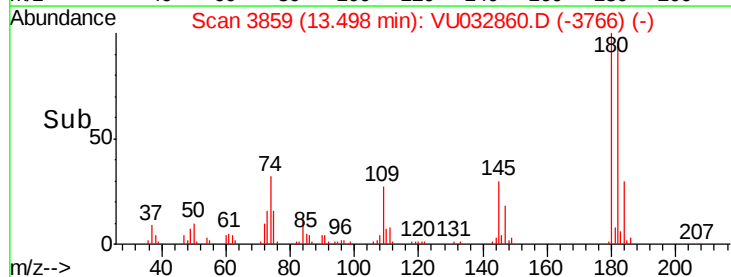
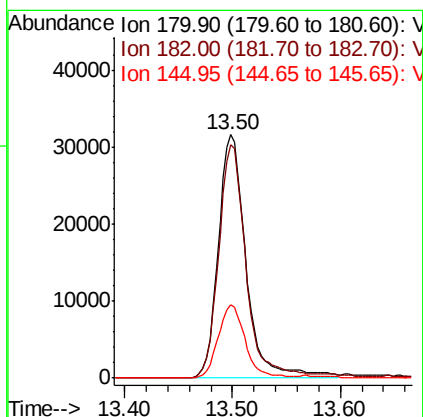
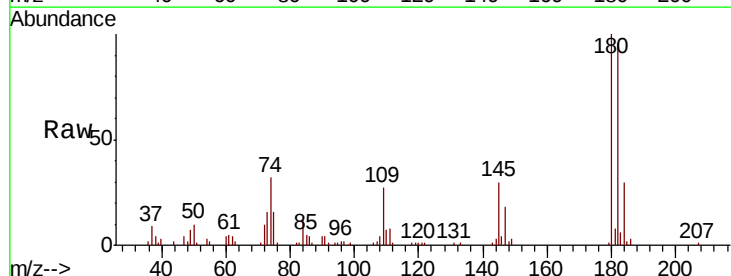
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

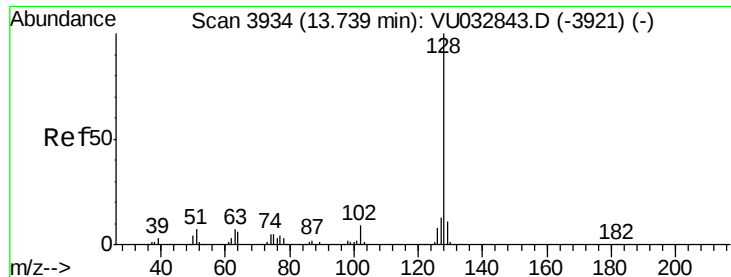
Tgt Ion:180 Resp: 69323
 Ion Ratio Lower Upper
 180 100
 182 93.3 76.6 115.0
 184 29.8 24.2 36.4
 145 28.8 23.5 35.3



#68
 1,2,4-trichlorobenzene
 Concen: 4.965 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032860.D
 Acq: 19 Jun 2019 16:00

Tgt Ion:180 Resp: 56605
 Ion Ratio Lower Upper
 180 100
 182 93.8 74.8 112.2
 145 29.4 24.3 36.5





#69

Naphthalene

Concen: 4.162 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

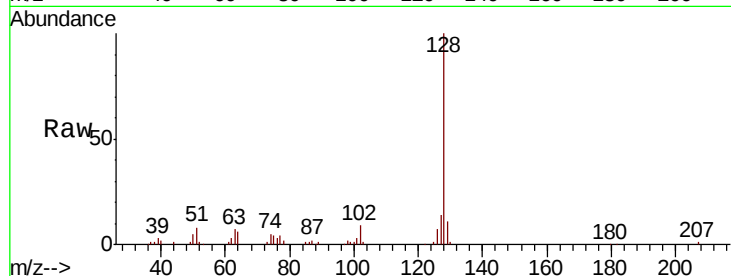
Tgt Ion:128 Resp: 83174

Ion Ratio Lower Upper

128 100

129 10.7 8.1 12.1

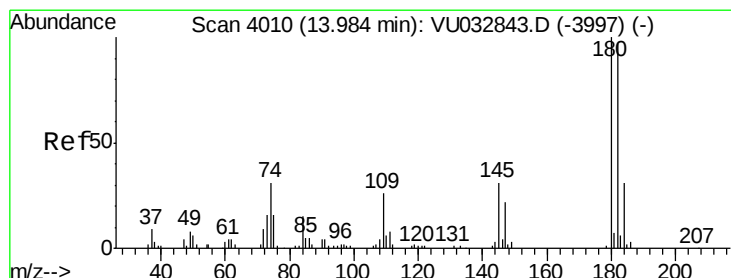
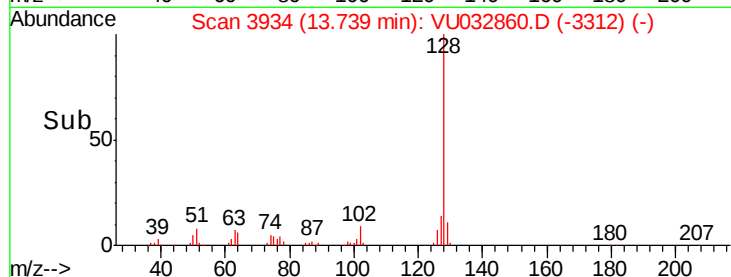
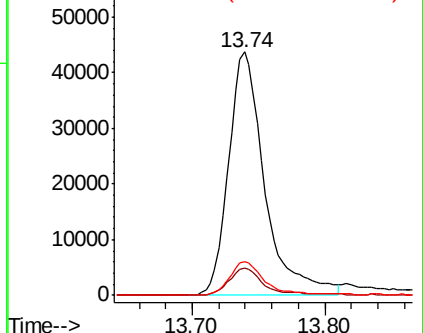
127 13.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.642 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032860.D

Acq: 19 Jun 2019 16:00

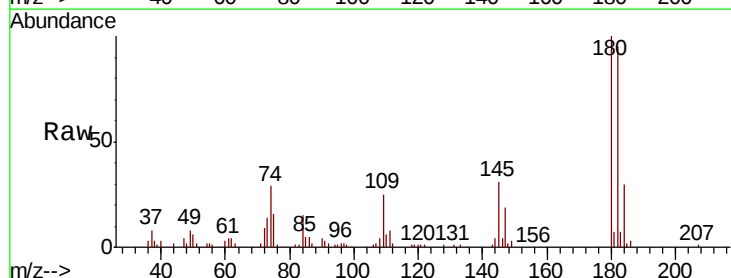
Tgt Ion:180 Resp: 52702

Ion Ratio Lower Upper

180 100

182 92.9 73.8 110.6

145 30.2 25.3 37.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

