

Data File : VU029436.D
Acq On : 12 Feb 2019 21:41
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Quant Time: Feb 13 03:31:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 03:26:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	196923	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	192135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105549	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61266	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.68	69	56306	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.27	63	142017	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.80%
20) 2-Butanone-d5	4.19	46	141698	51.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.02%
24) Chloroform-d	4.65	84	99297	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.31	65	54229	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.34	84	223272	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.33	67	65798	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.56	98	223875	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.85	79	29175	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.31	63	143321	51.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	58179	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	96526	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	82191	4.766	ug/L 97
3) Chloromethane	1.32	50	71772	4.410	ug/L 98
5) Vinyl chloride	1.40	62	91263	4.812	ug/L 98
6) Bromomethane	1.63	94	38746	3.502	ug/L 99
8) Chloroethane	1.70	64	61029	4.942	ug/L 99
9) Trichlorofluoromethane	1.88	101	144280	4.970	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	84332	4.928	ug/L 97
12) 1,1-Dichloroethene	2.28	96	81478	5.028	ug/L 97
13) Acetone	2.32	43	123962	49.602	ug/L 100
14) Carbon disulfide	2.48	76	267279	5.005	ug/L 100
15) Methyl Acetate	2.62	43	33211	5.188	ug/L 97
16) Methylene chloride	2.70	84	87816	4.822	ug/L 100
17) Methyl tert-butyl Ether	3.00	73	207083	5.103	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	89100	5.156	ug/L 98
19) 1,1-Dichloroethane	3.44	63	118239	4.542	ug/L 98
21) 2-Butanone	4.28	43	159208	51.556	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	80425	5.059	ug/L 97

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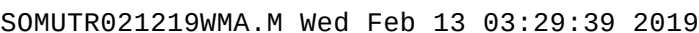
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

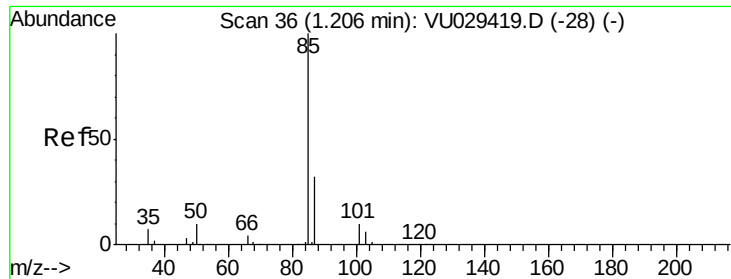
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 03:26:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36086	5.029	ug/L	97
25) Chloroform	4.67	83	138253	5.308	ug/L	96
27) 1,2-Dichloroethane	5.40	62	79870	5.299	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	112779	4.746	ug/L	99
30) Cyclohexane	4.99	56	105913	4.651	ug/L	98
31) Carbon tetrachloride	5.13	117	101494	4.727	ug/L	98
33) Benzene	5.39	78	270984	4.792	ug/L	100
34) Trichloroethene	6.18	95	75958	4.777	ug/L	97
35) Methylcyclohexane	6.41	83	122626	4.584	ug/L	99
37) 1,2-Dichloropropane	6.43	63	68482	4.835	ug/L	98
38) Bromodichloromethane	6.76	83	89471	4.780	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	103123	4.626	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	398506	48.805	ug/L	99
42) Toluene	7.63	91	309390	4.874	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	86050	4.700	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	52652	4.852	ug/L	96
47) Tetrachloroethene	8.22	164	71373	4.900	ug/L	95
48) 2-Hexanone	8.36	43	286703	48.177	ug/L	100
49) Dibromochloromethane	8.48	129	70825	4.843	ug/L	100
50) 1,2-Dibromoethane	8.58	107	53117	4.946	ug/L	97
51) Chlorobenzene	9.12	112	215261	4.931	ug/L	99
52) Ethylbenzene	9.25	91	347890	4.840	ug/L	98
53) m,p-xylene	9.37	106	137802	4.808	ug/L	97
54) o-xylene	9.78	106	135793	4.827	ug/L	99
55) Styrene	9.79	104	229525	4.914	ug/L	98
56) Isopropylbenzene	10.16	105	360632	4.860	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	66674	5.035	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	44514	4.899	ug/L	96
61) Bromoform	9.95	173	42997	4.812	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	181515	4.854	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	186345	4.990	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	176791	5.018	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	10927	4.958	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	148845	4.798	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	127947	4.896	ug/L	99
69) Naphthalene	13.74	128	215124	4.767	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	117873	4.718	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 4.766 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

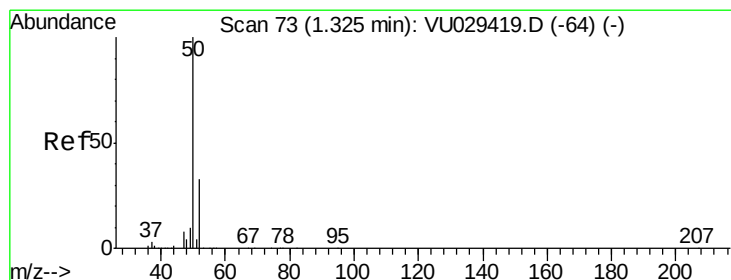
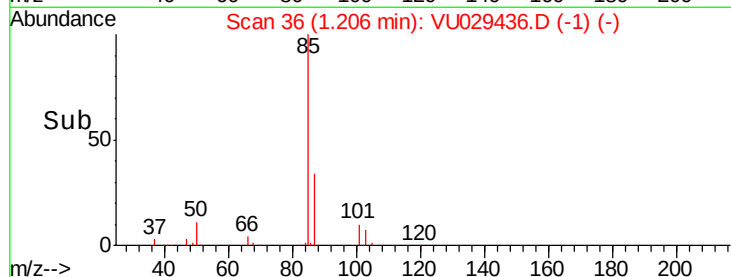
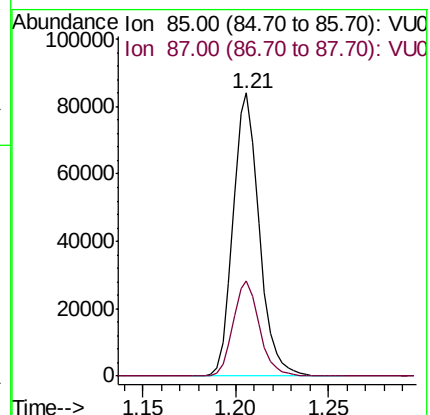
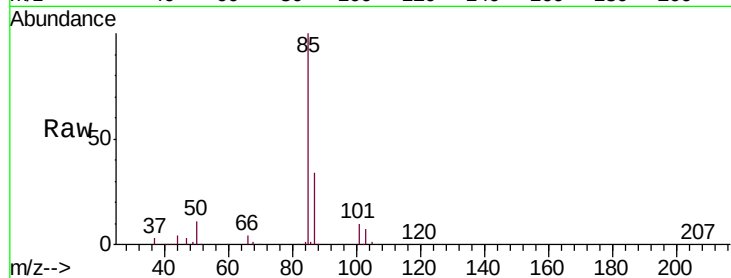
VSTD00552

Tgt Ion: 85 Resp: 82191

Ion Ratio Lower Upper

85 100

87 33.6 25.4 38.0



#3

Chloromethane

Concen: 4.410 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029436.D

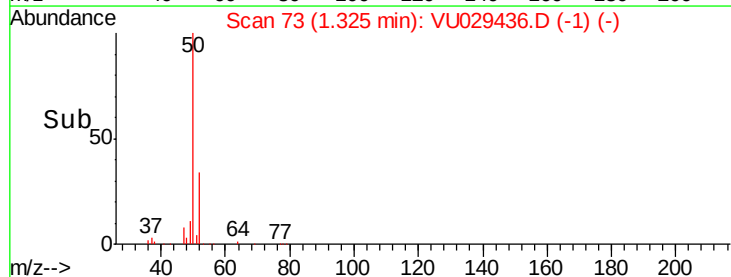
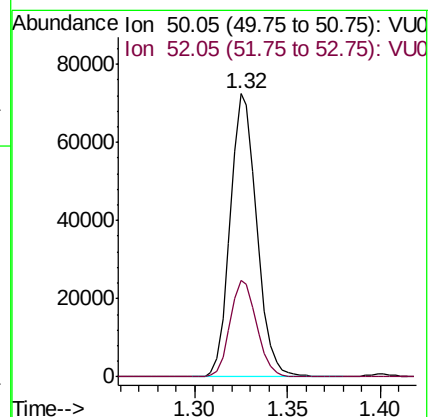
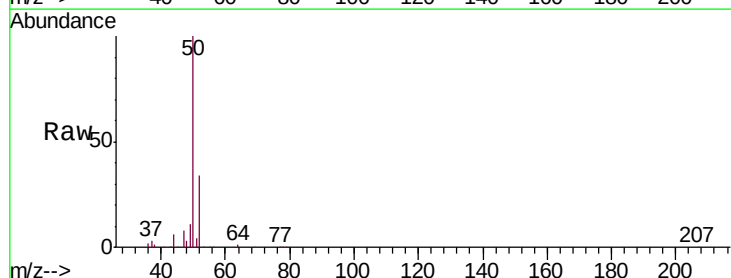
Acq: 12 Feb 2019 21:41

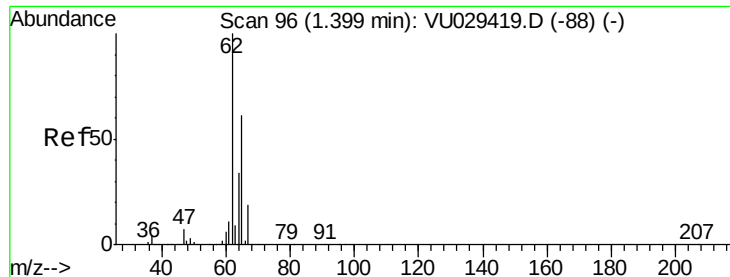
Tgt Ion: 50 Resp: 71772

Ion Ratio Lower Upper

50 100

52 34.3 23.1 42.9





#5

Vinyl chloride

Concen: 4.812 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

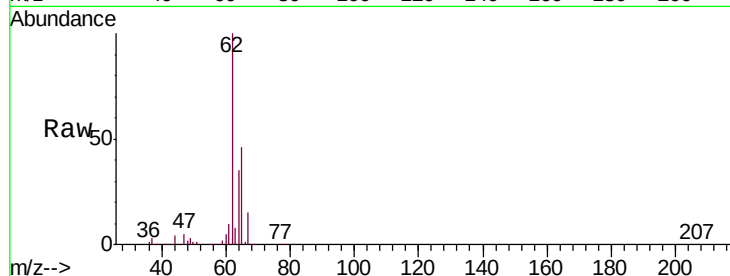
VSTD00552

Tgt Ion: 62 Resp: 91263

Ion Ratio Lower Upper

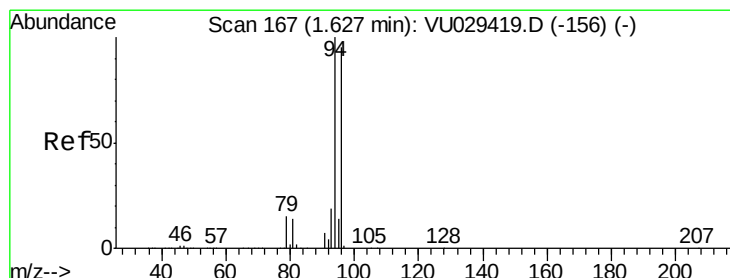
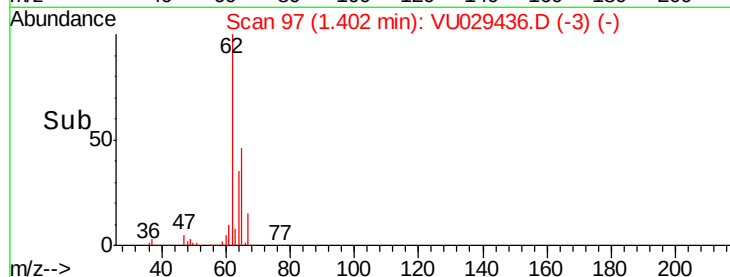
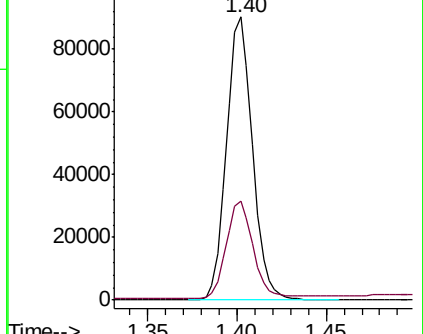
62 100

64 34.8 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.502 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029436.D

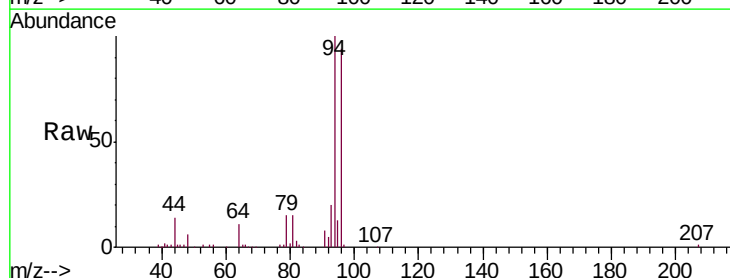
Acq: 12 Feb 2019 21:41

Tgt Ion: 94 Resp: 38746

Ion Ratio Lower Upper

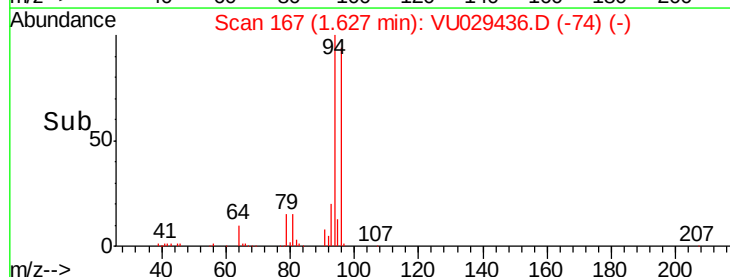
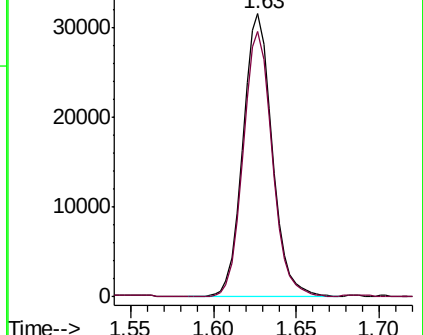
94 100

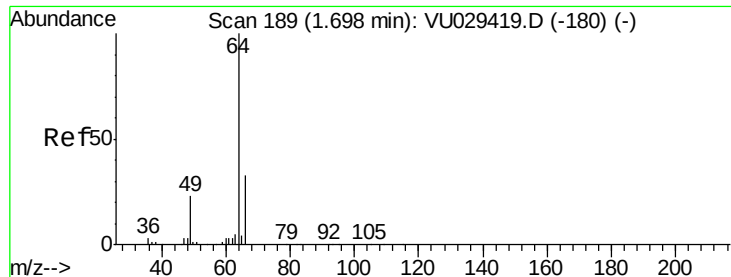
96 93.6 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.942 ug/L

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

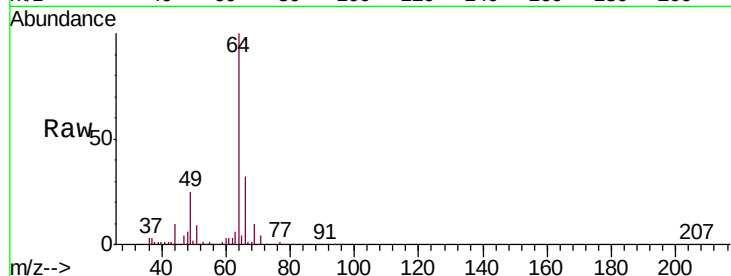
VSTD00552

Tgt Ion: 64 Resp: 61029

Ion Ratio Lower Upper

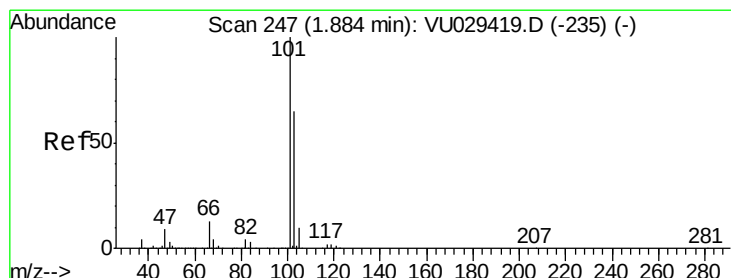
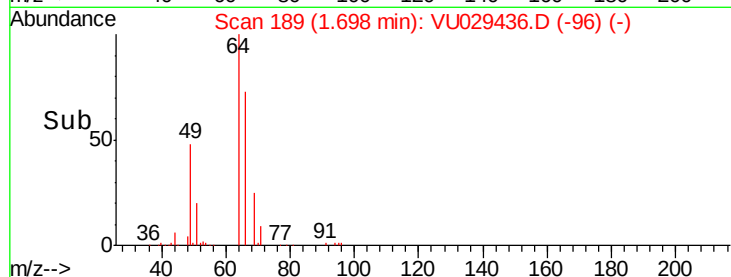
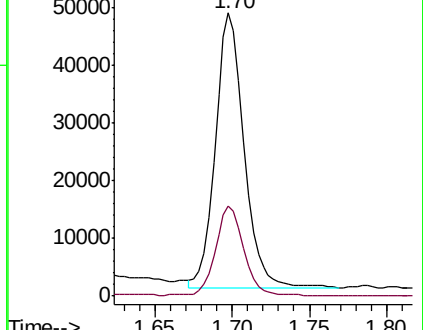
64 100

66 31.7 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VU029419.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU029419.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.970 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029436.D

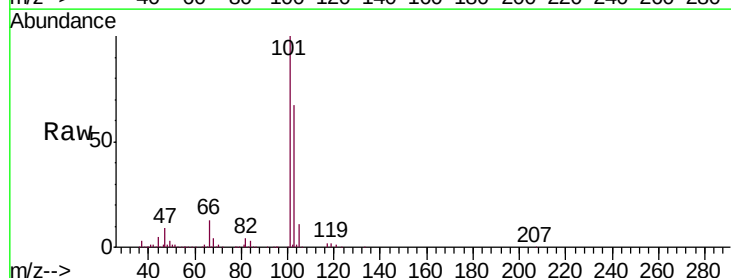
Acq: 12 Feb 2019 21:41

Tgt Ion: 101 Resp: 144280

Ion Ratio Lower Upper

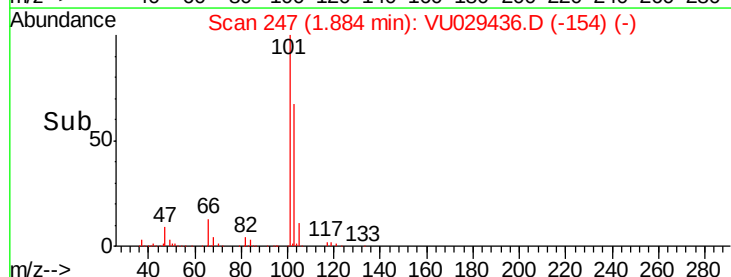
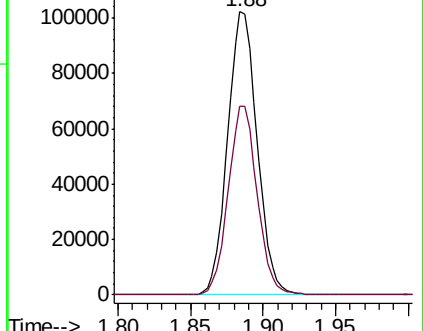
101 100

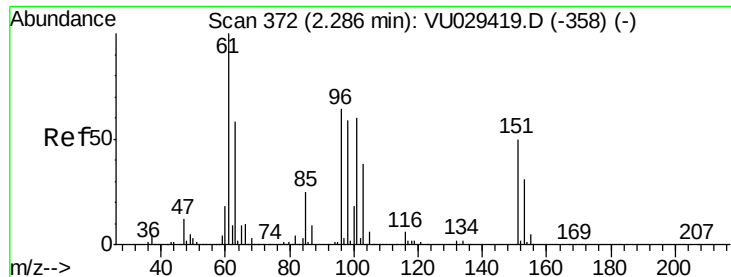
103 65.4 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU029419.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU029419.D (-235) (-)





#10

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

Concen: 4.928 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

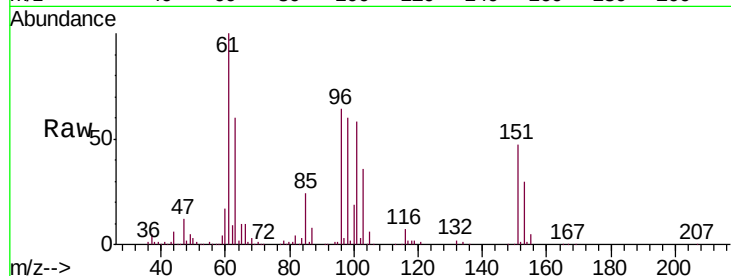
Tgt Ion: 101 Resp: 84332

Ion Ratio Lower Upper

101 100

85 41.7 35.1 52.7

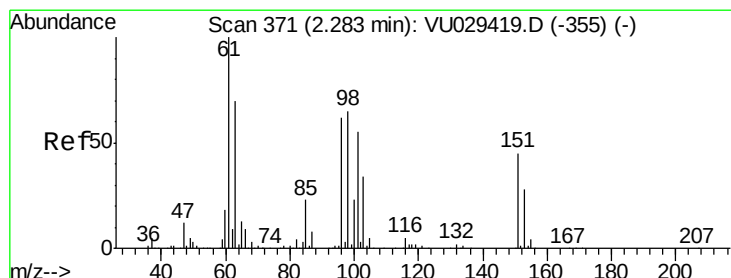
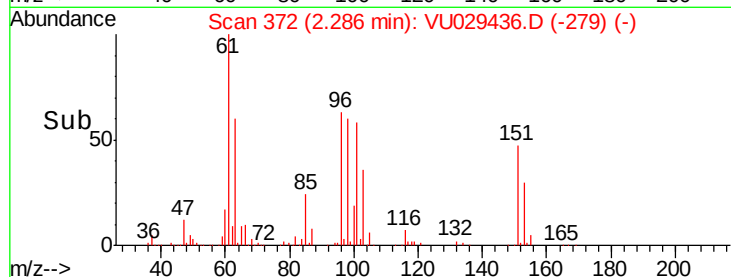
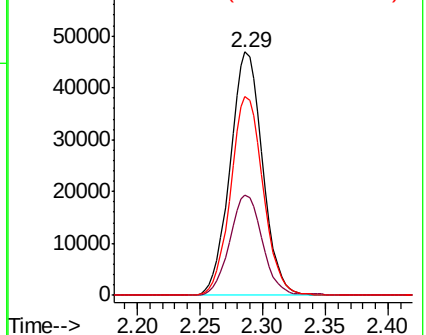
151 81.6 67.0 100.6



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: 5.028 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

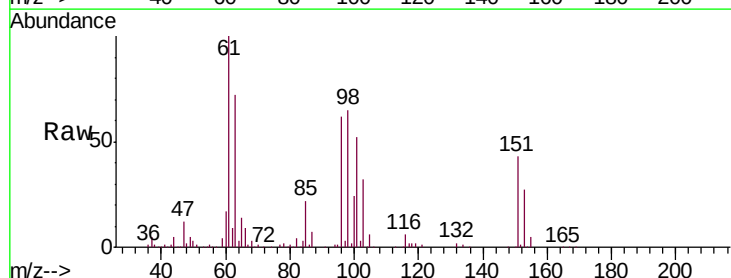
Tgt Ion: 96 Resp: 81478

Ion Ratio Lower Upper

96 100

61 160.9 115.1 213.7

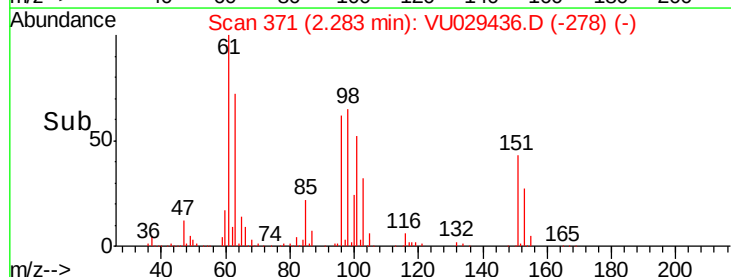
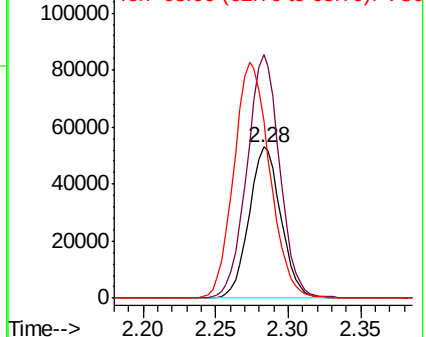
63 116.7 83.5 155.1

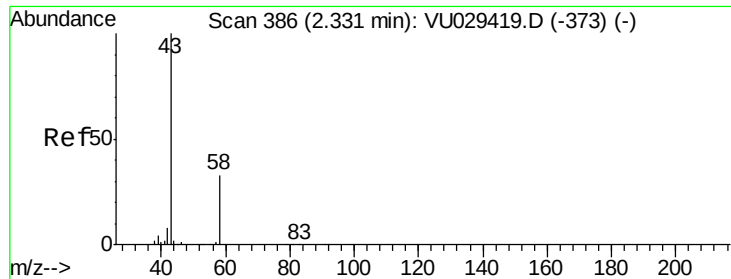


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.602 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

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Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

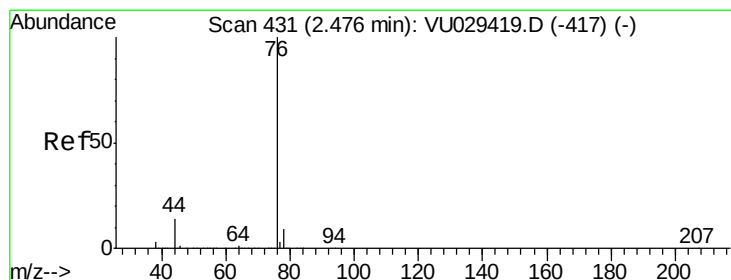
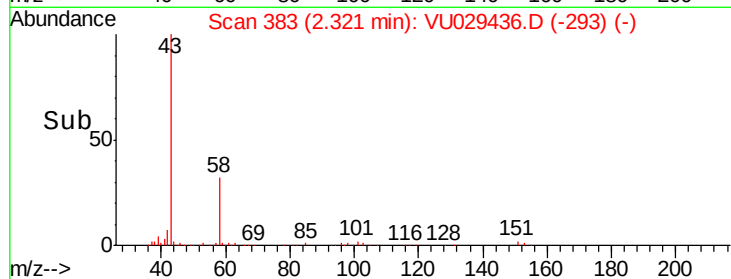
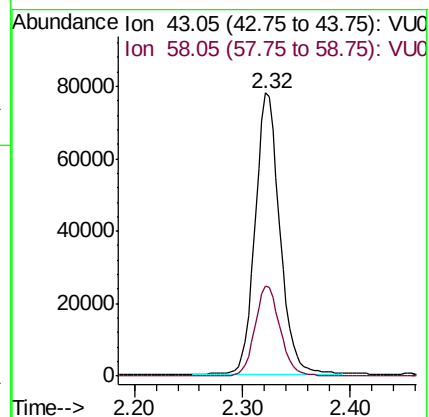
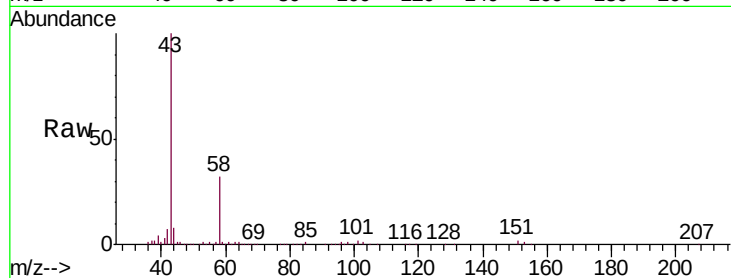
VSTD00552

Tgt Ion: 43 Resp: 123962

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.0



#14

Carbon disulfide

Concen: 5.005 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029436.D

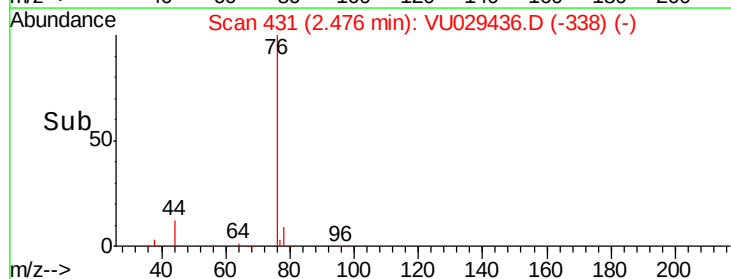
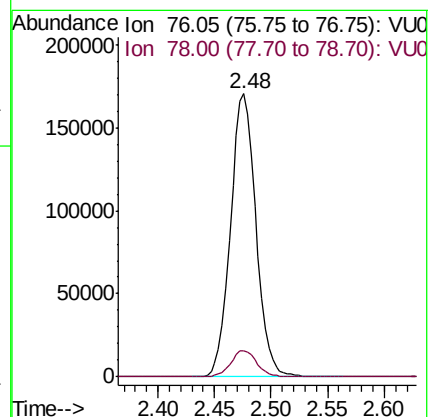
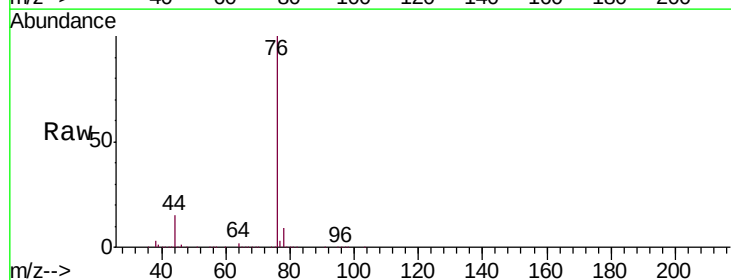
Acq: 12 Feb 2019 21:41

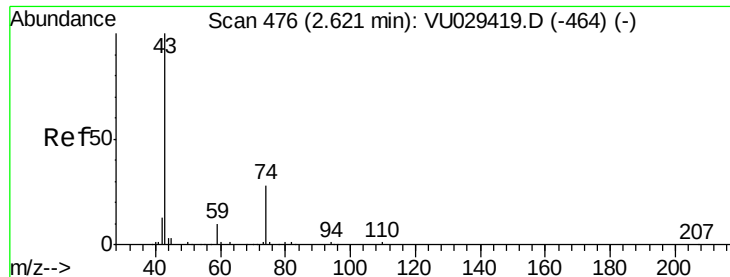
Tgt Ion: 76 Resp: 267279

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 5.188 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampled :

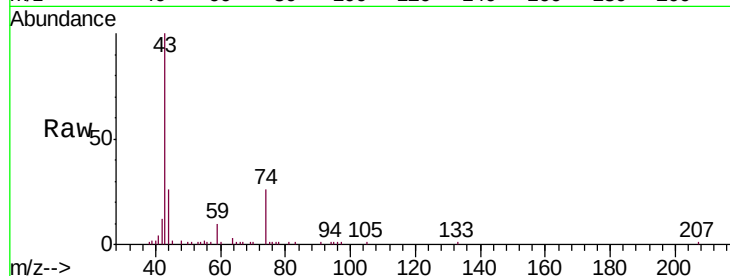
VSTD00552

Tgt Ion: 43 Resp: 33211

Ion Ratio Lower Upper

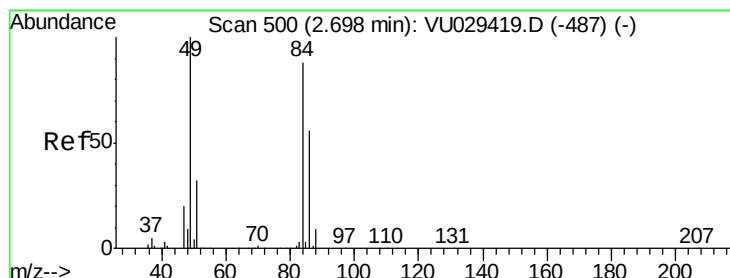
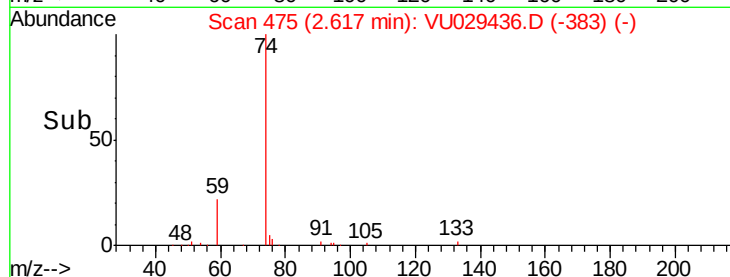
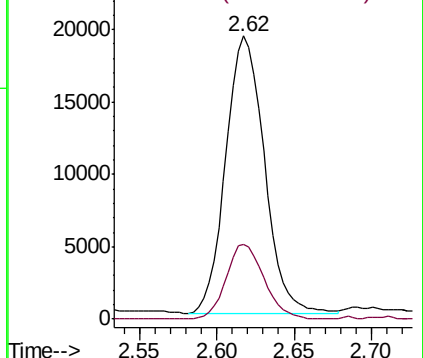
43 100

74 26.4 22.3 33.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.822 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

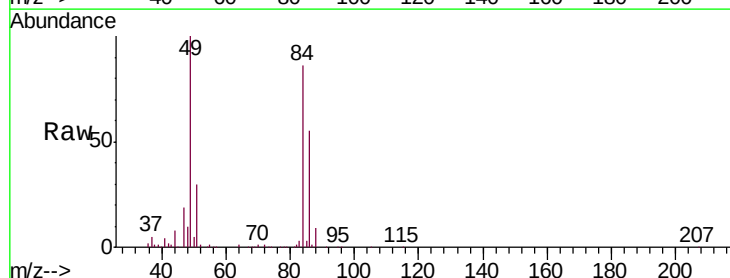
Tgt Ion: 84 Resp: 87816

Ion Ratio Lower Upper

84 100

86 64.6 45.1 83.9

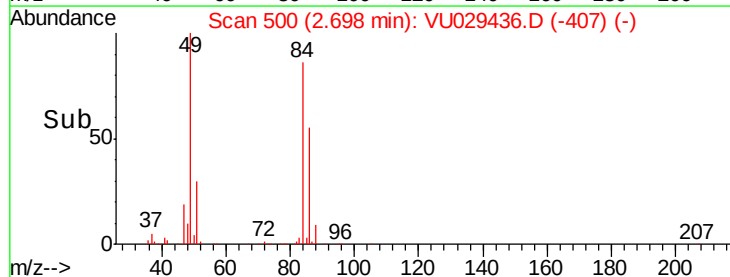
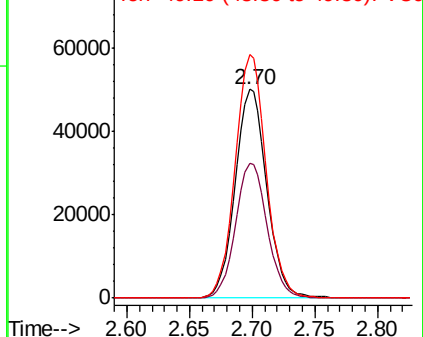
49 116.8 81.8 151.8

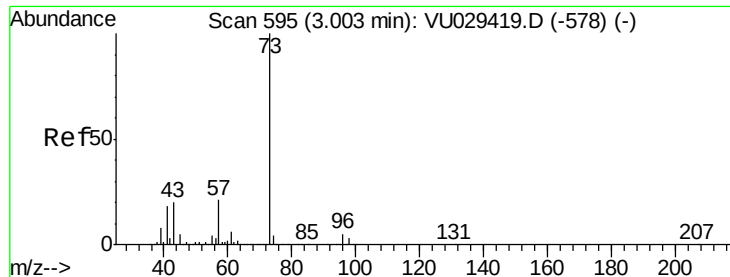


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

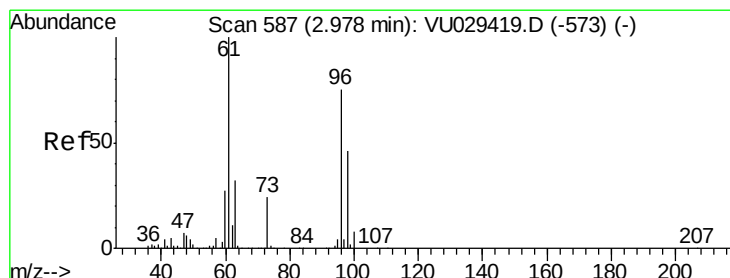
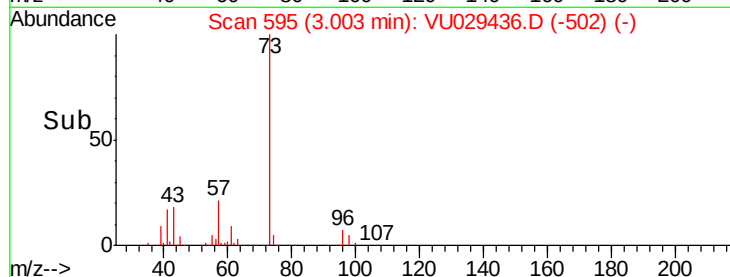
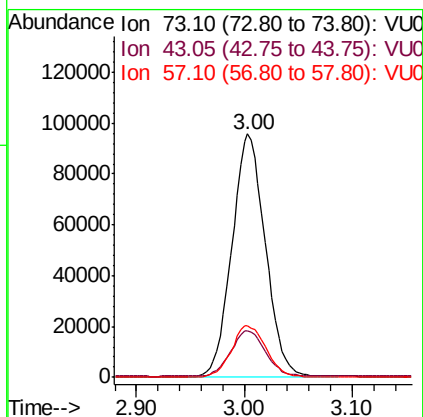
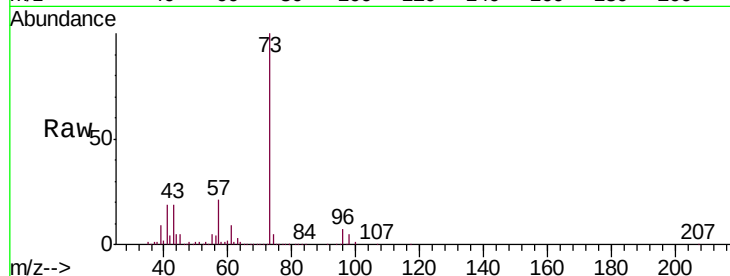




#17
Methyl tert-butyl Ether
Concen: 5.103 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

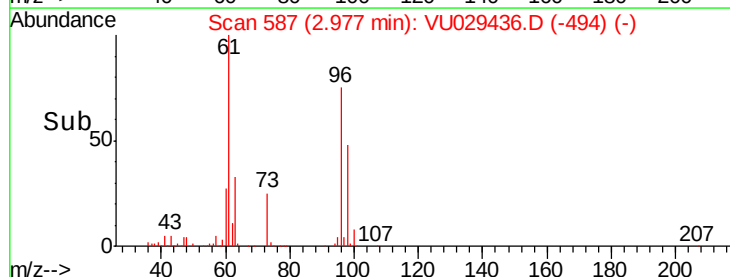
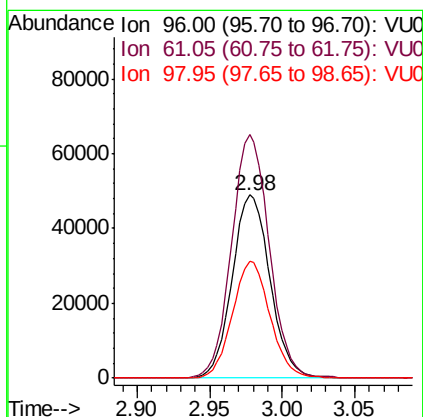
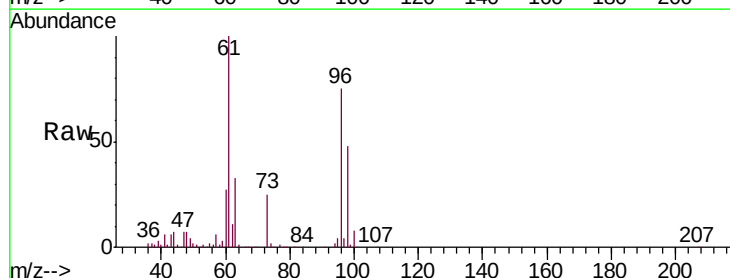
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

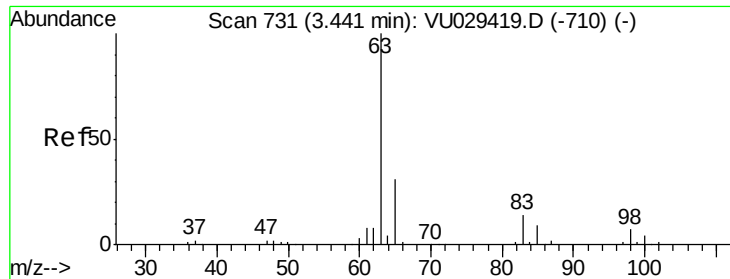
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.2	16.0	24.0
57	21.9	16.9	25.3



#18
trans-1,2-Dichloroethene
Concen: 5.156 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.2	95.4	177.2
98	63.7	45.8	85.2

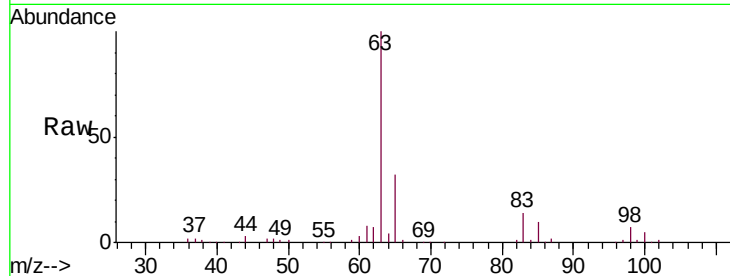




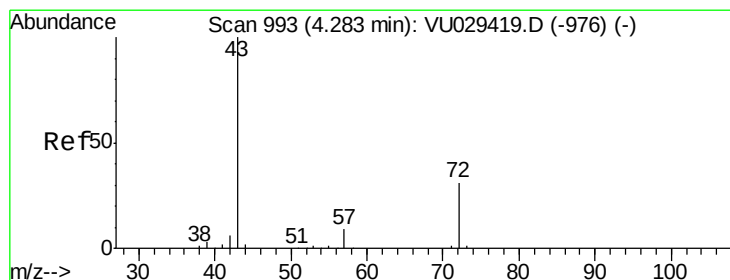
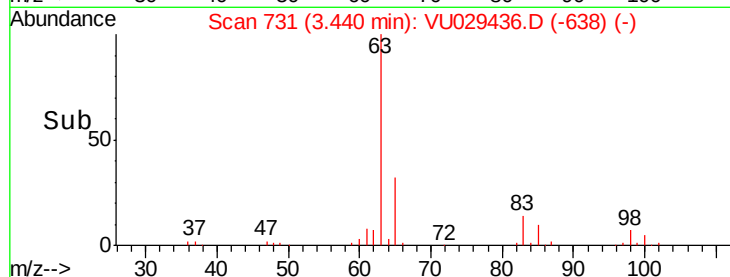
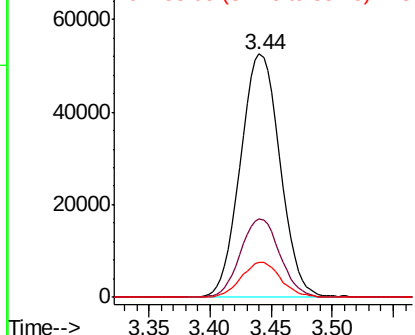
#19
 1,1-Dichloroethane
 Concen: 4.542 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

Tgt Ion: 63 Resp: 118239
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.5 43.7
 83 14.3 10.3 19.1

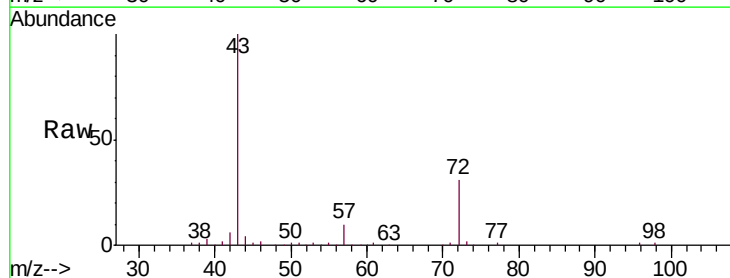


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

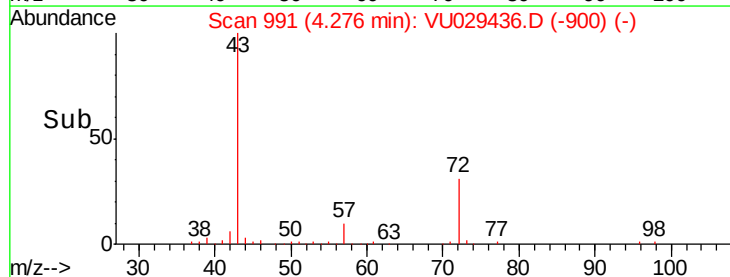
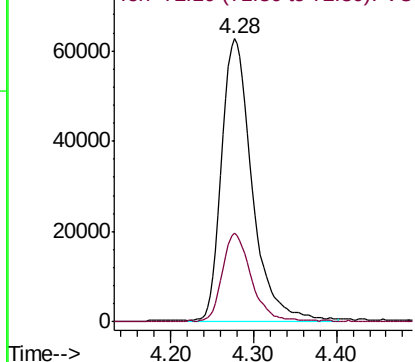


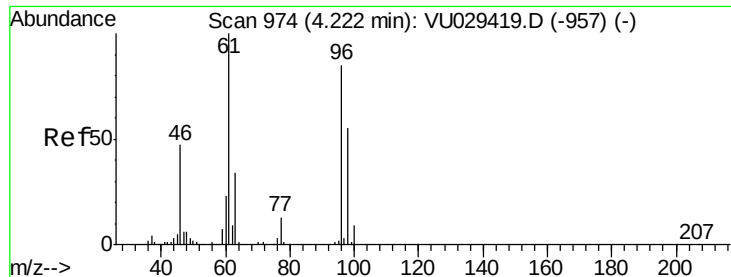
#21
 2-Butanone
 Concen: 51.556 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Tgt Ion: 43 Resp: 159208
 Ion Ratio Lower Upper
 43 100
 72 28.8 14.7 44.1



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



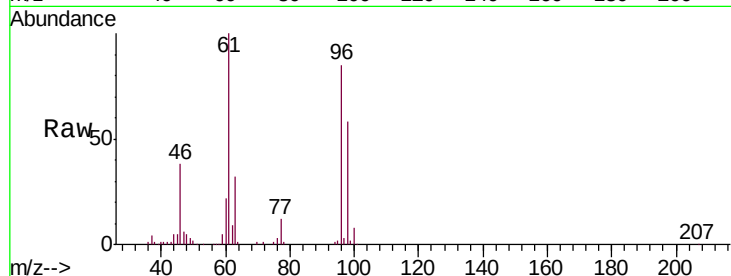


#22

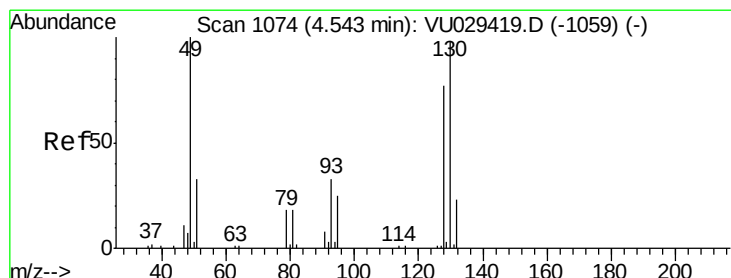
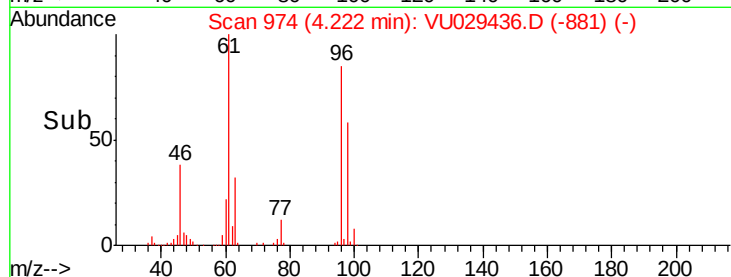
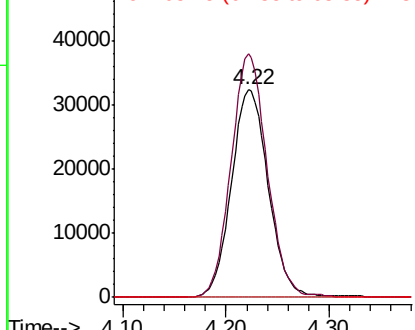
cis-1,2-Dichloroethene
Concen: 5.059 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion: 96 Resp: 80425
Ion Ratio Lower Upper
96 100
61 117.4 79.9 148.5
68 0.0 0.0 0.0



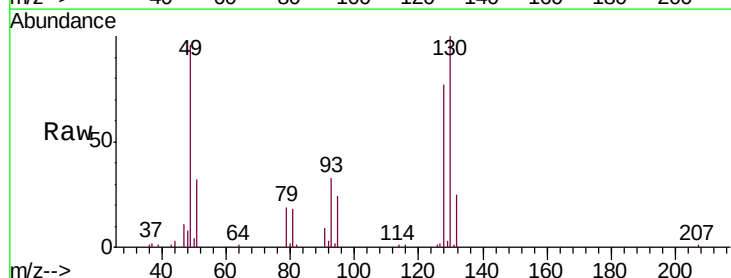
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



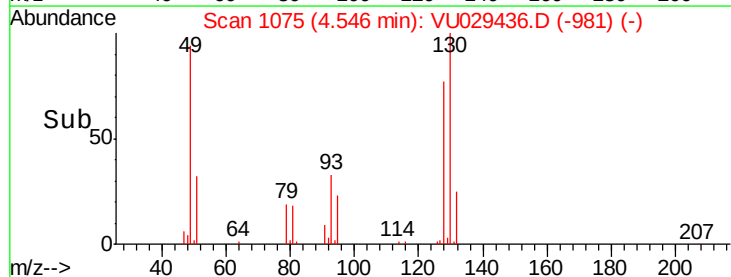
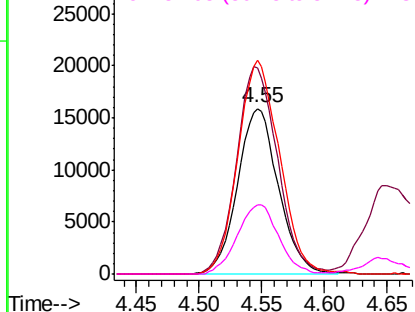
#23

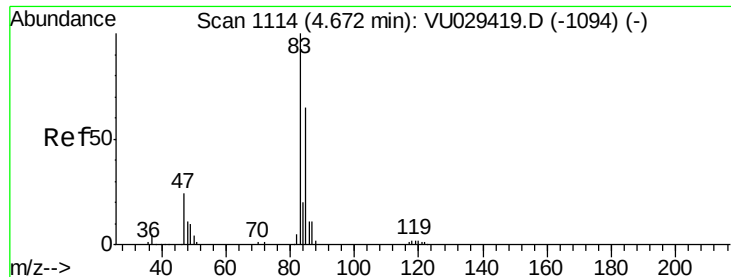
Bromochloromethane
Concen: 5.029 ug/L
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Tgt Ion: 128 Resp: 36086
Ion Ratio Lower Upper
128 100
49 124.3 89.0 165.4
130 129.1 88.0 163.4
51 41.7 32.1 48.1



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

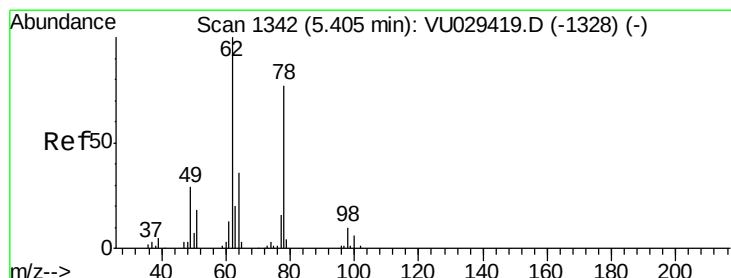
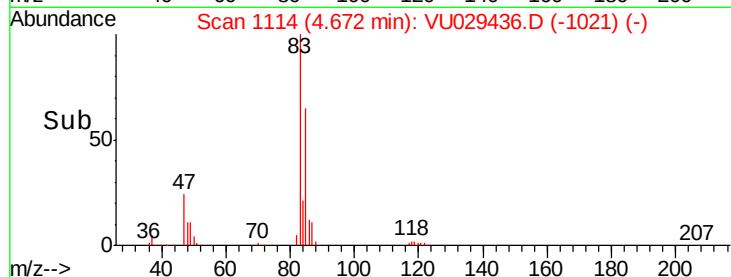
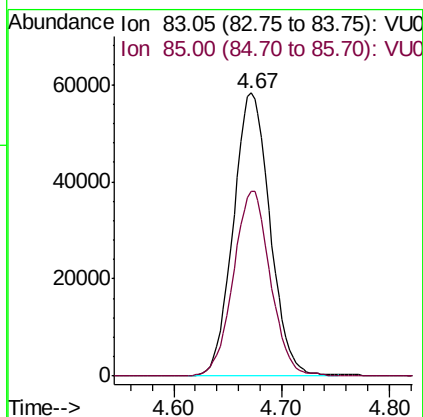
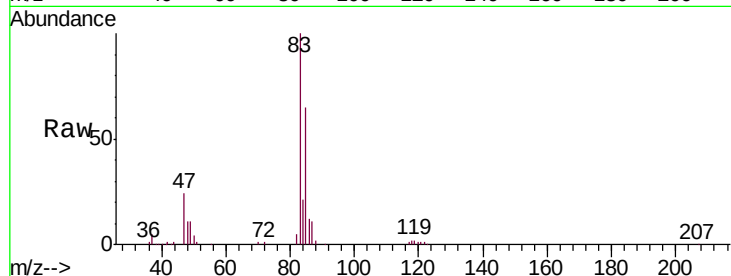




#25
Chloroform
Concen: 5.308 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

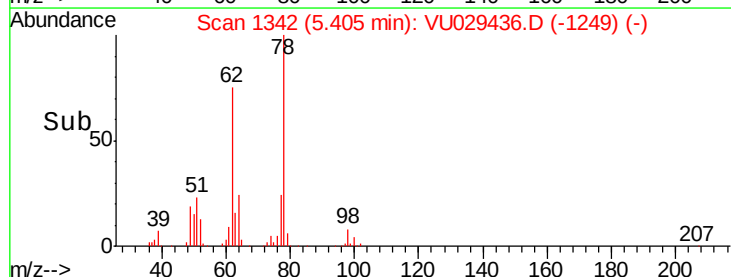
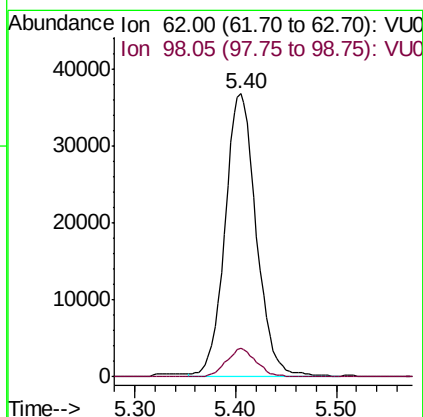
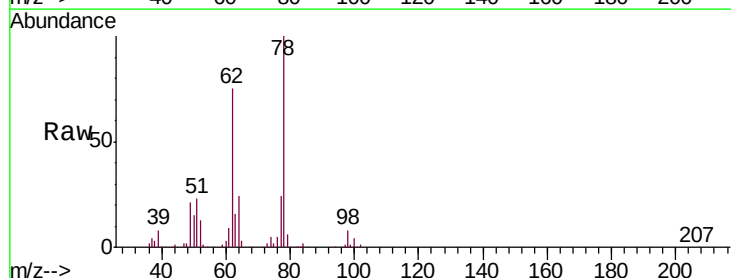
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

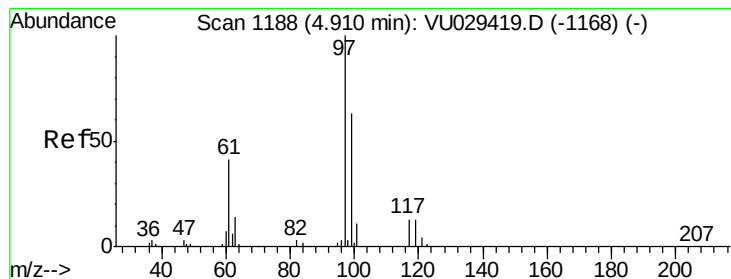
Tgt Ion: 83 Resp: 138253
Ion Ratio Lower Upper
83 100
85 65.1 47.8 88.8



#27
1,2-Dichloroethane
Concen: 5.299 ug/L
RT: 5.40 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Tgt Ion: 62 Resp: 79870
Ion Ratio Lower Upper
62 100
98 10.1 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 4.746 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

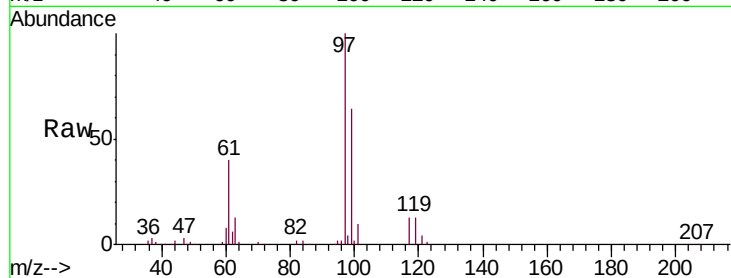
Tgt Ion: 97 Resp: 112779

Ion Ratio Lower Upper

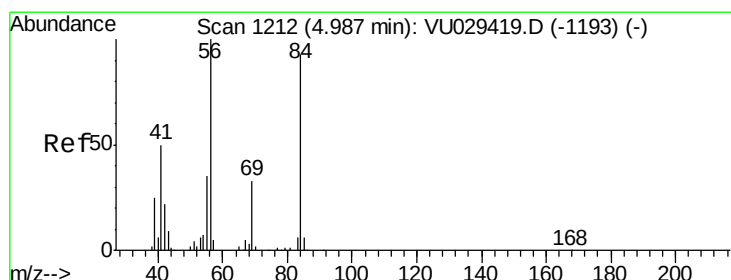
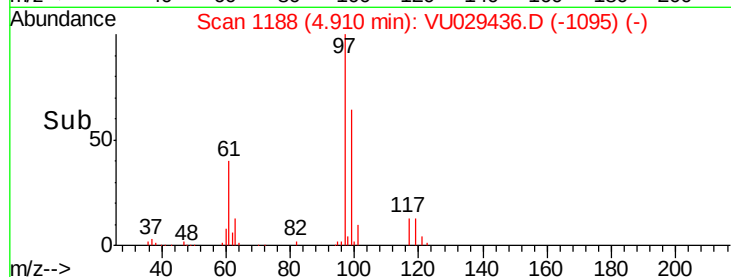
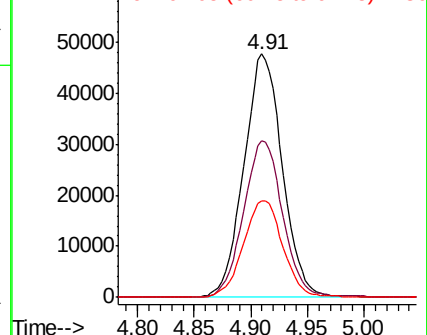
97 100

99 65.4 52.2 78.2

61 40.9 32.0 48.0



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



#30

Cyclohexane

Concen: 4.651 ug/L

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

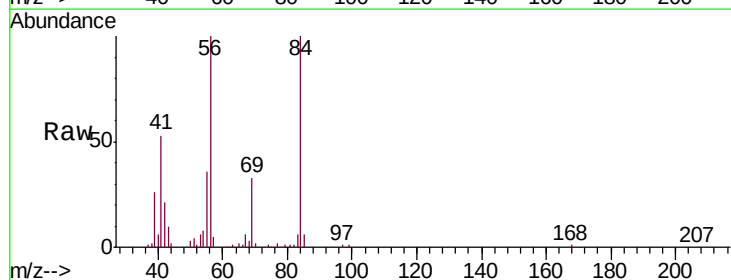
Tgt Ion: 56 Resp: 105913

Ion Ratio Lower Upper

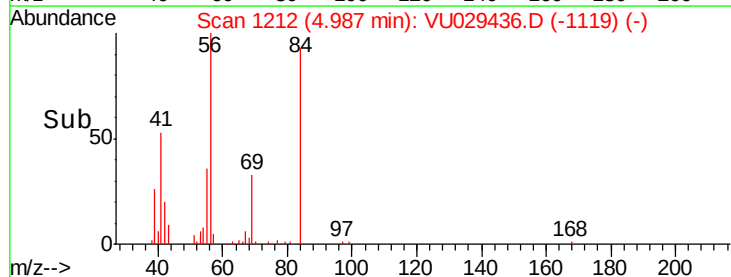
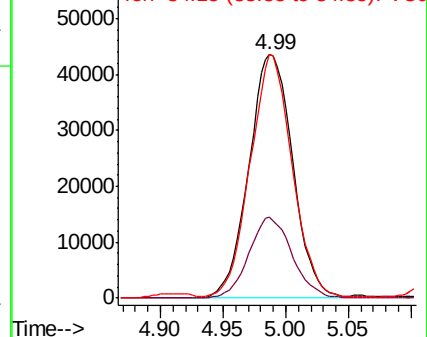
56 100

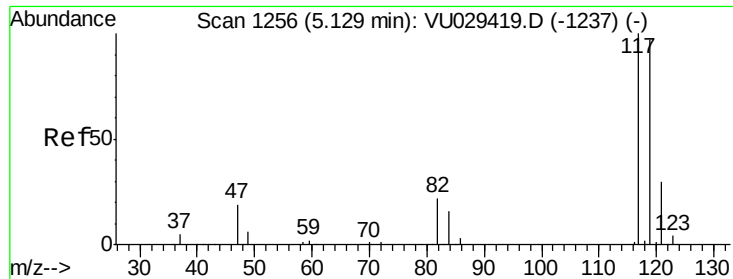
69 32.7 25.8 38.6

84 96.5 75.0 112.6



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

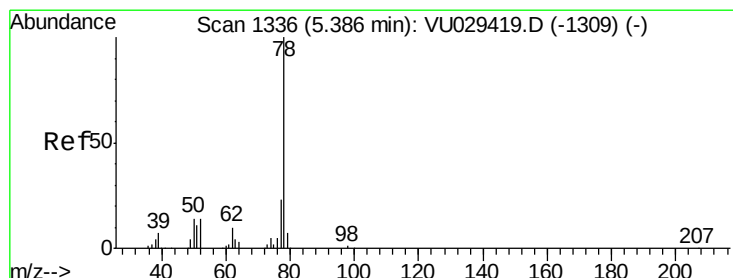
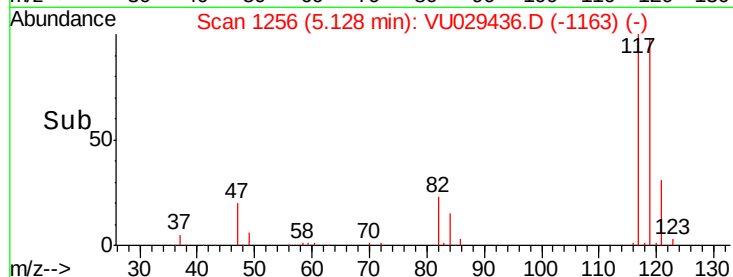
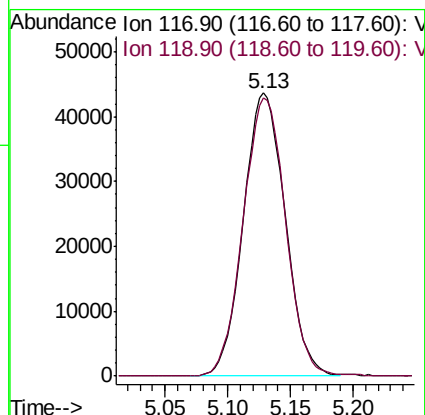
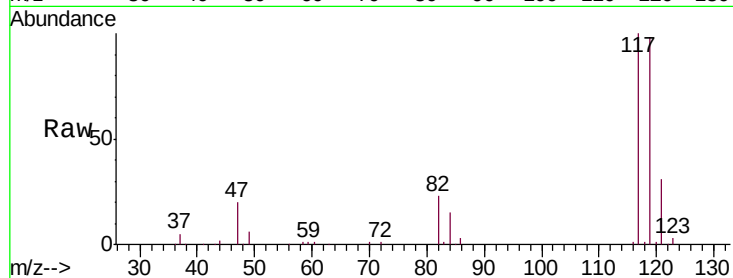




#31
Carbon tetrachloride
Concen: 4.727 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

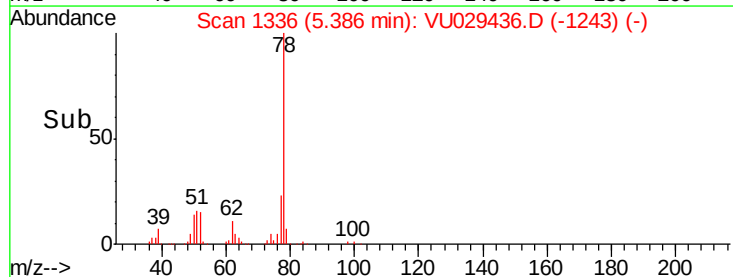
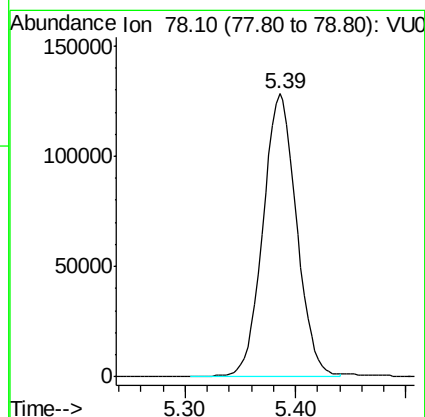
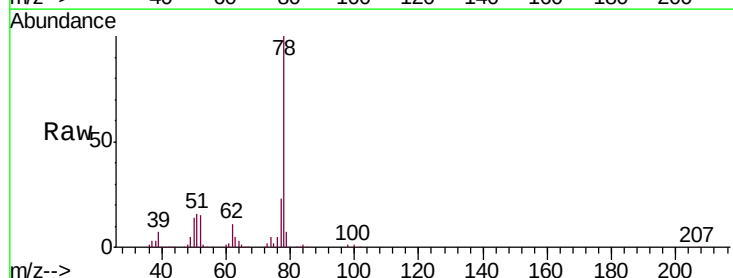
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

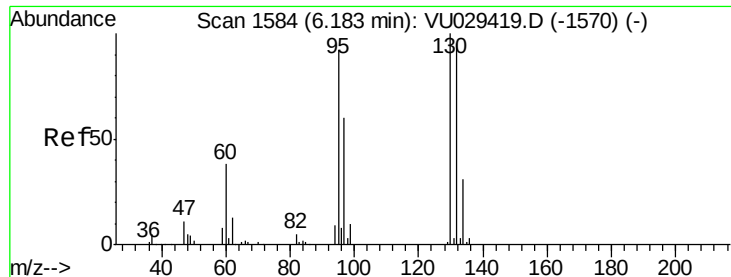
Tgt Ion:117 Resp: 101494
Ion Ratio Lower Upper
117 100
119 99.3 78.1 117.1



#33
Benzene
Concen: 4.792 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Tgt Ion: 78 Resp: 270984





#34

Trichloroethene

Concen: 4.777 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

Tgt Ion: 95 Resp: 75958

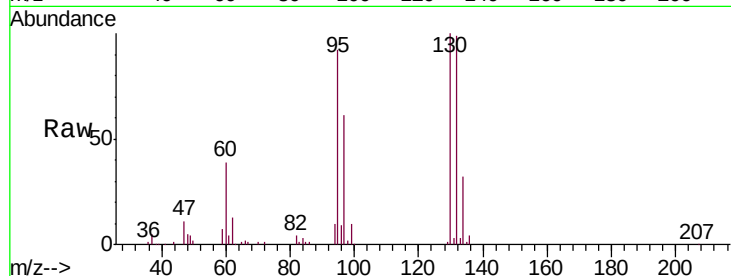
Ion Ratio Lower Upper

95 100

97 67.0 46.3 86.1

132 108.1 72.9 135.3

130 109.1 79.2 147.0

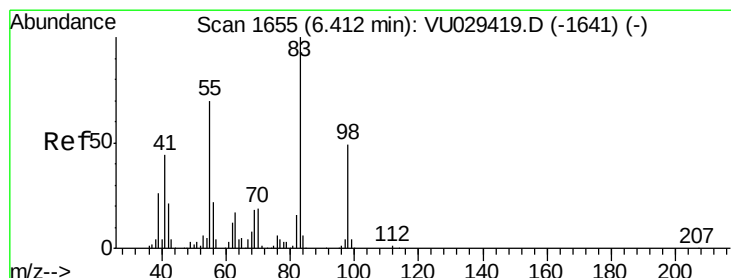
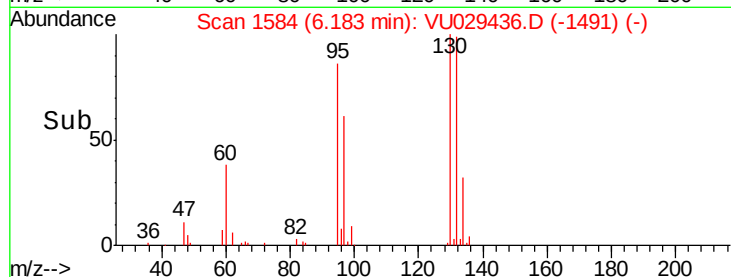
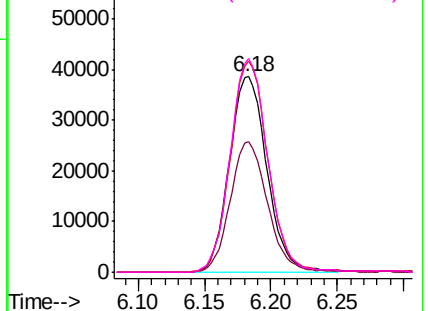


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.584 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

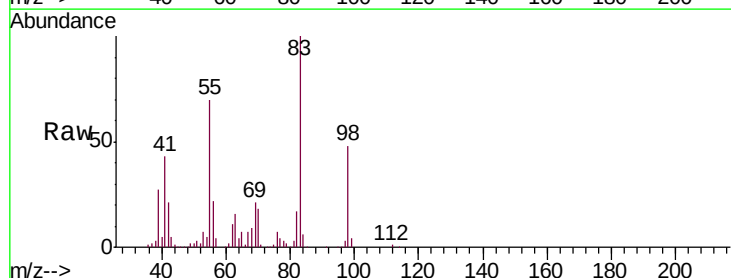
Tgt Ion: 83 Resp: 122626

Ion Ratio Lower Upper

83 100

55 69.0 55.9 83.9

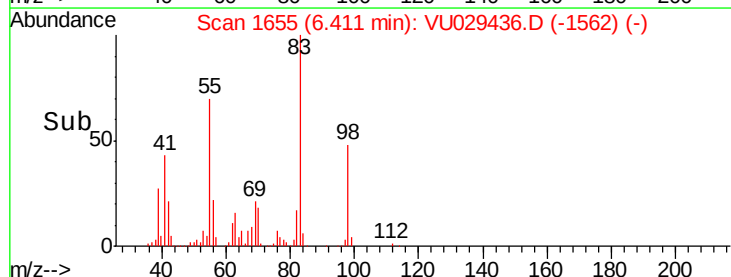
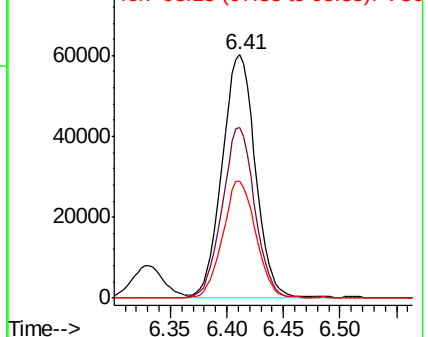
98 48.0 38.6 57.8

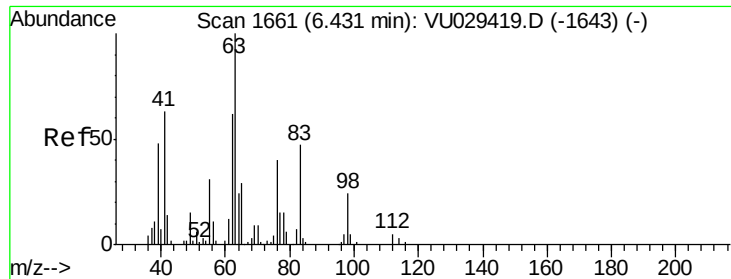


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

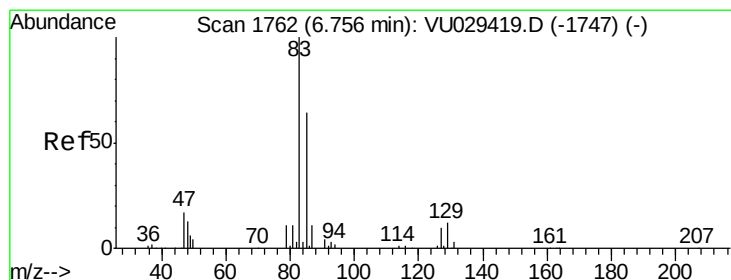
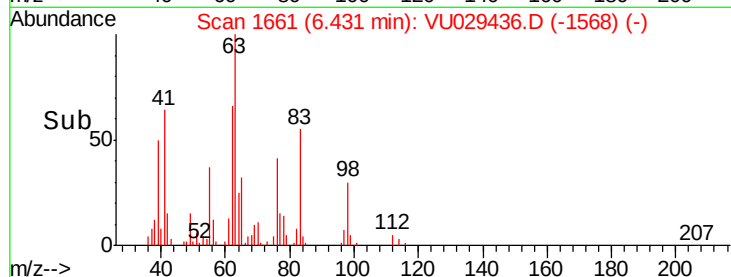
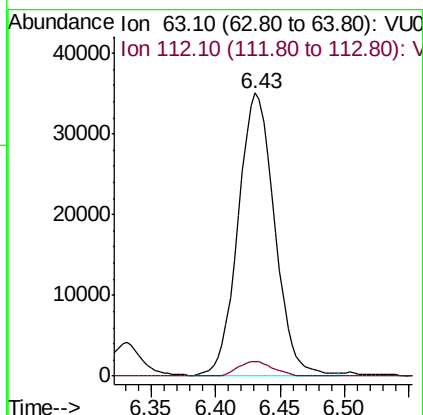
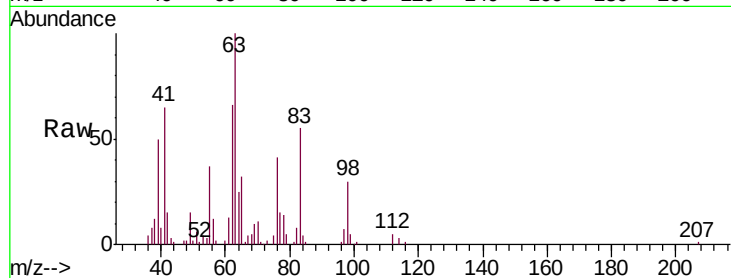




#37
 1,2-Dichloropropane
 Concen: 4.835 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

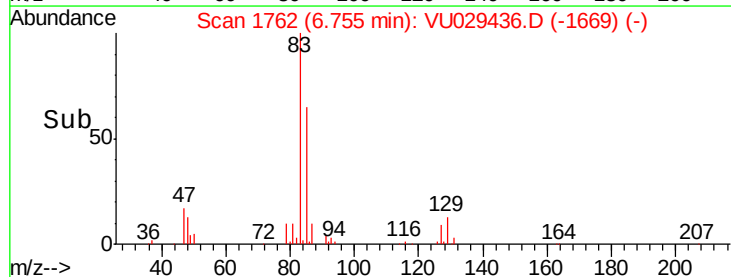
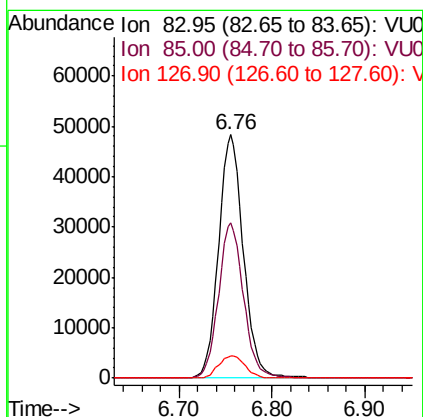
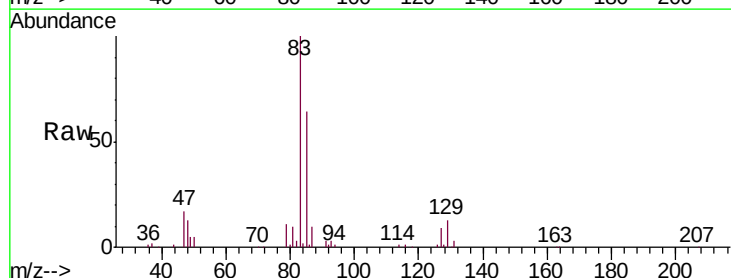
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

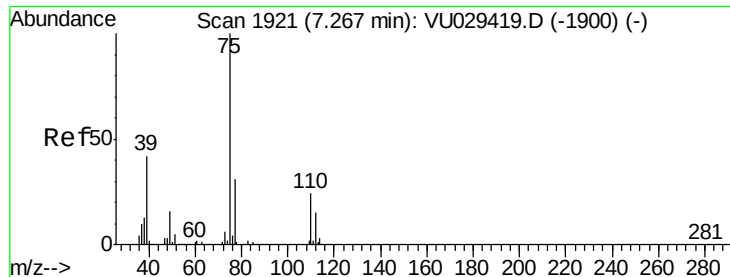
Tgt Ion: 63 Resp: 68482
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.780 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Tgt Ion: 83 Resp: 89471
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.7
 127 9.3 7.8 11.8

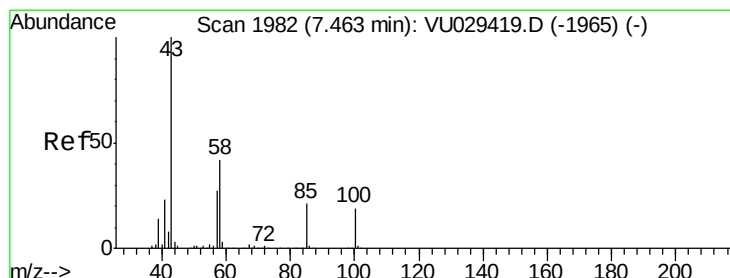
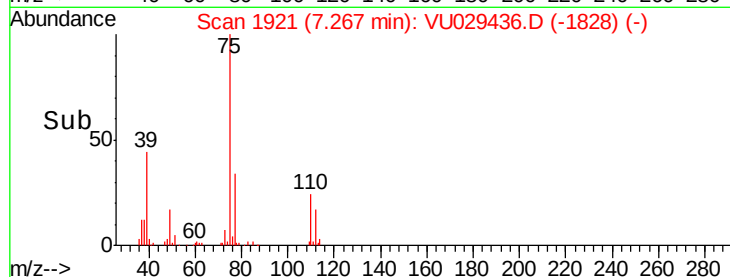
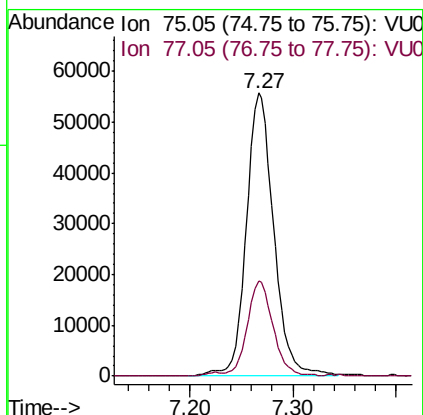
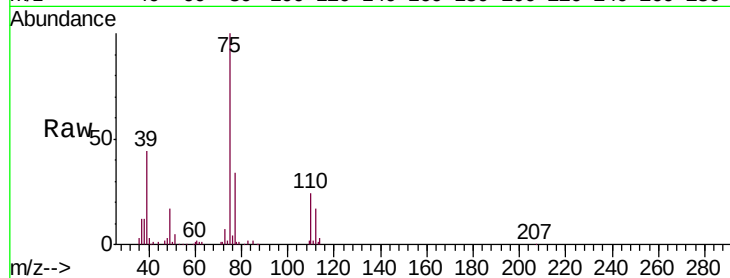




#39
 cis-1,3-Dichloropropene
 Concen: 4.626 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

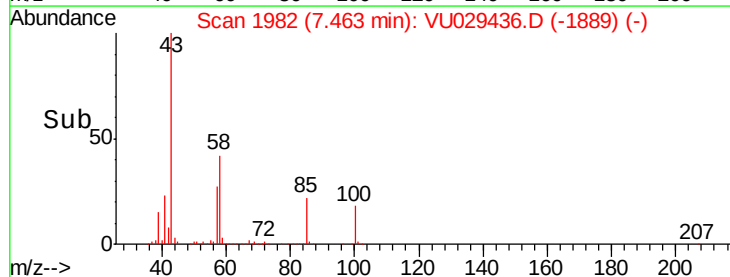
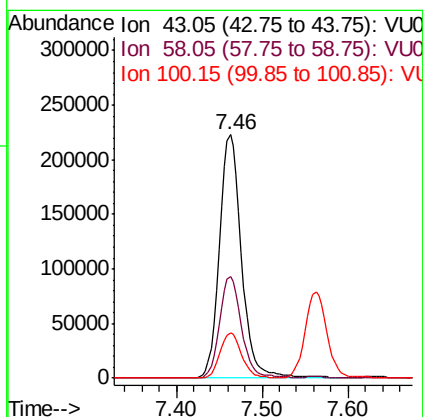
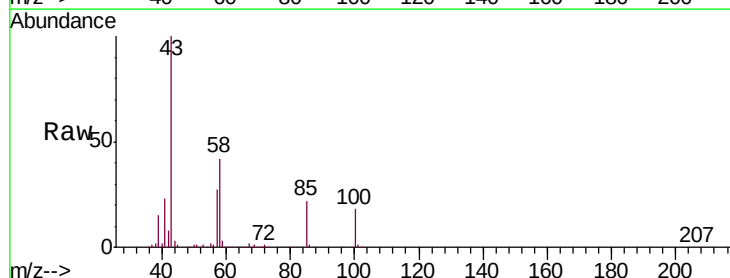
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

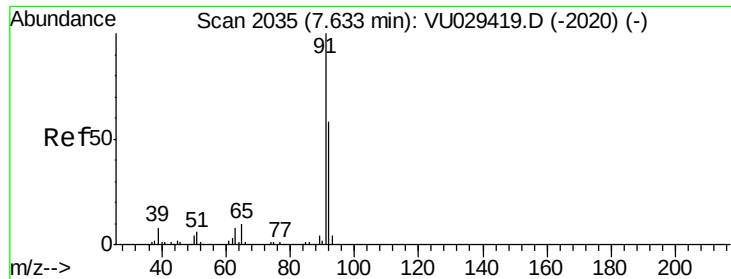
Tgt Ion: 75 Resp: 103123
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 48.805 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Tgt Ion: 43 Resp: 398506
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.4 50.2
 100 18.3 14.4 21.6





#42

Toluene

Concen: 4.874 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

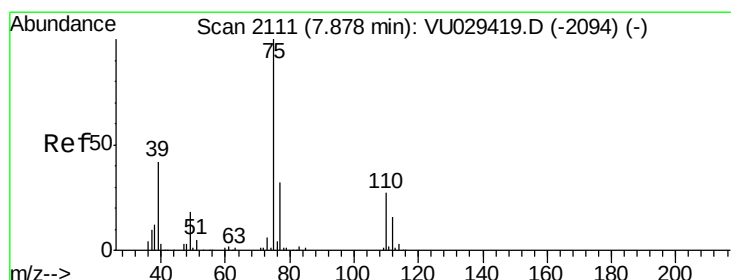
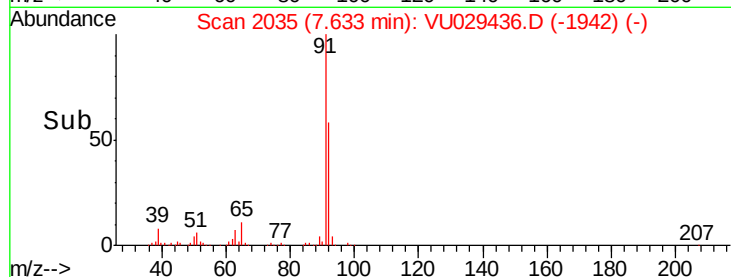
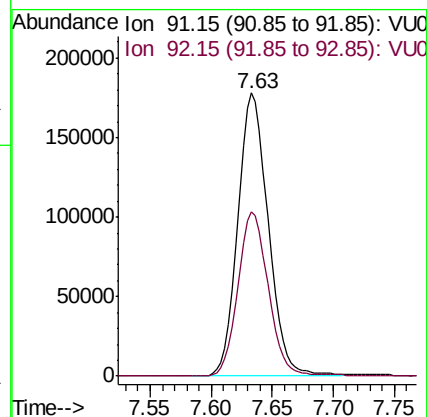
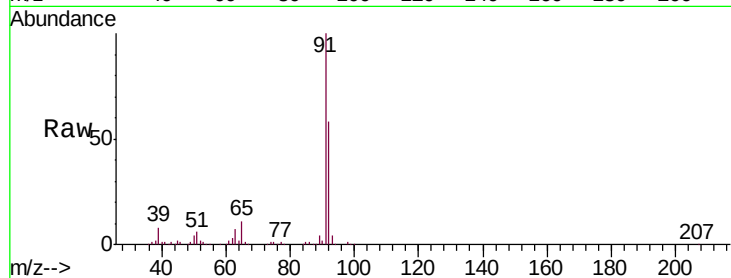
VSTD00552

Tgt Ion: 91 Resp: 309390

Ion Ratio Lower Upper

91 100

92 58.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 4.700 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029436.D

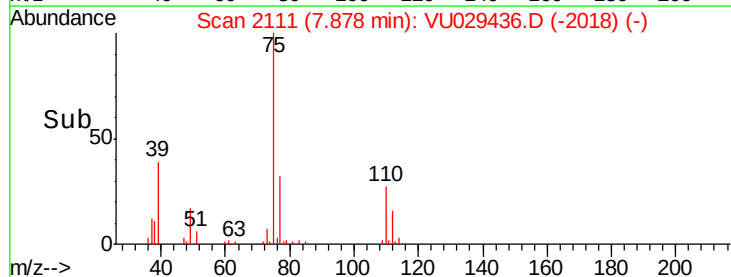
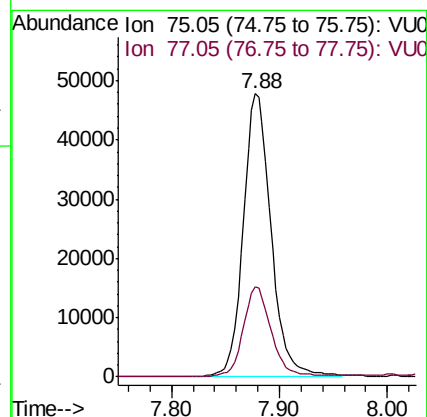
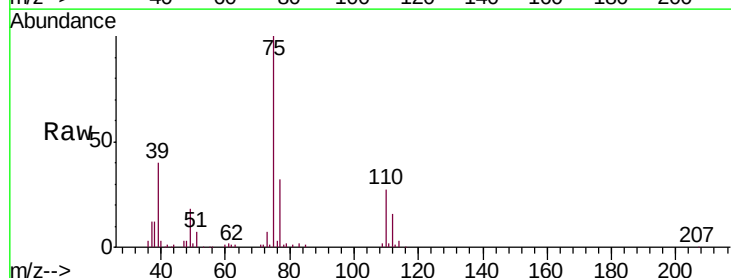
Acq: 12 Feb 2019 21:41

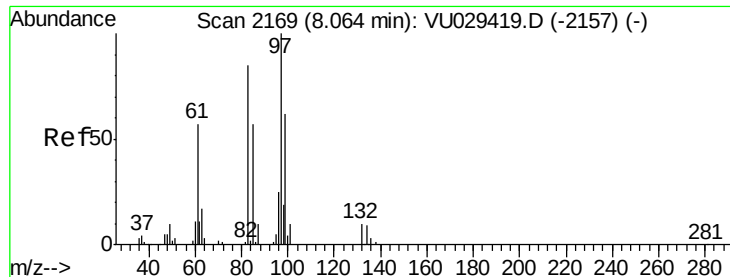
Tgt Ion: 75 Resp: 86050

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2

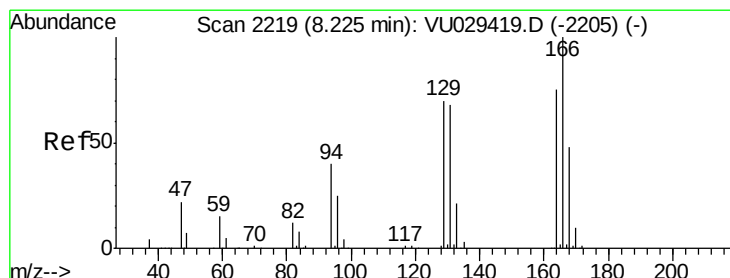
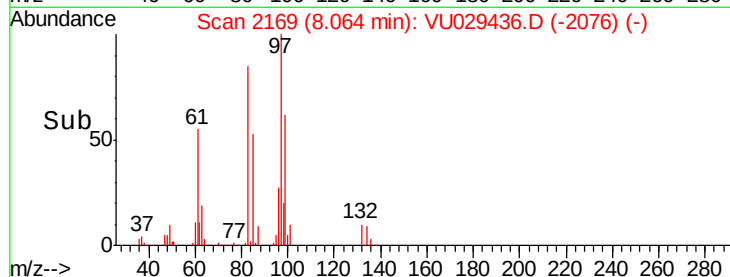
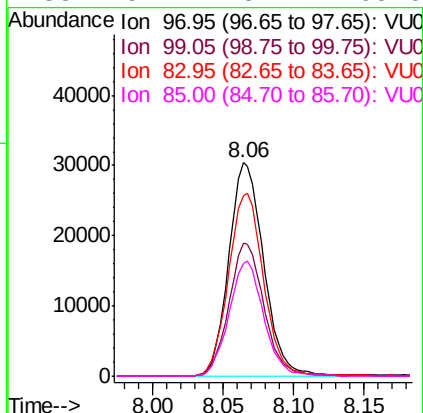
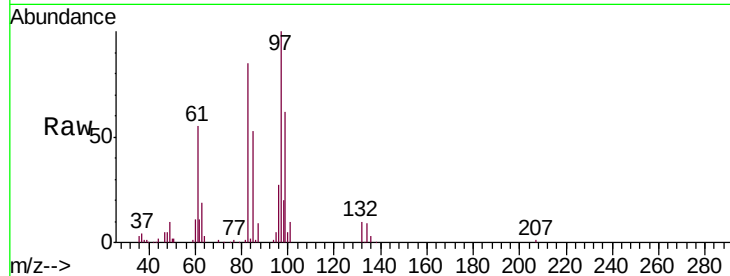




#45
 1,1,2-Trichloroethane
 Concen: 4.852 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

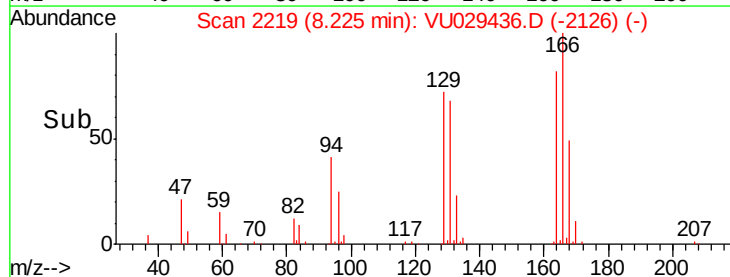
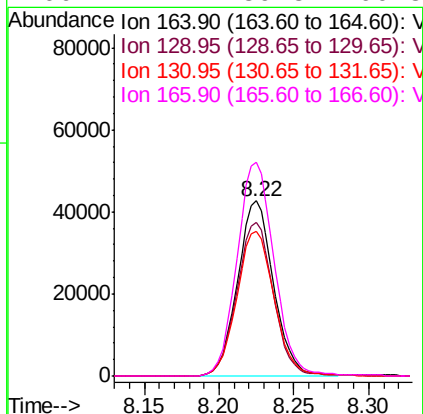
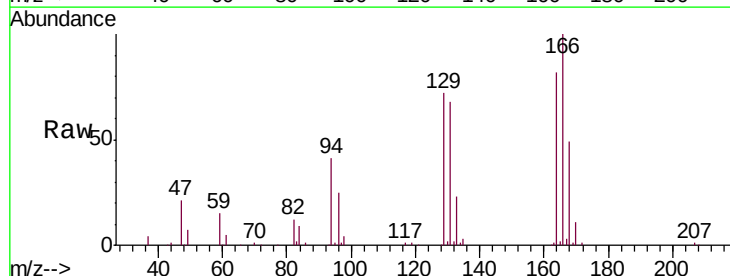
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

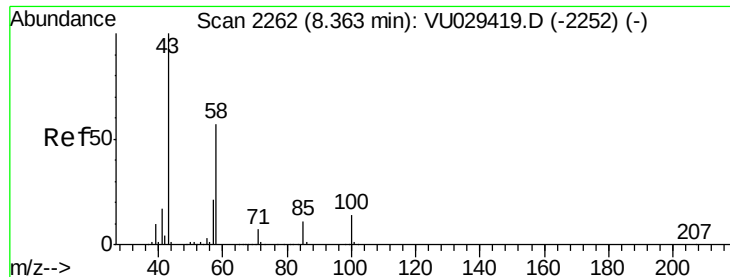
Tgt Ion:	97	Resp:	52652
Ion	Ratio	Lower	Upper
97	100		
99	62.2	41.6	77.2
83	84.8	55.8	103.6
85	52.7	37.2	69.0



#47
 Tetrachloroethene
 Concen: 4.900 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Tgt Ion:	164	Resp:	71373
Ion	Ratio	Lower	Upper
164	100		
129	88.0	62.9	116.9
131	82.7	62.1	115.3
166	122.1	89.8	166.8

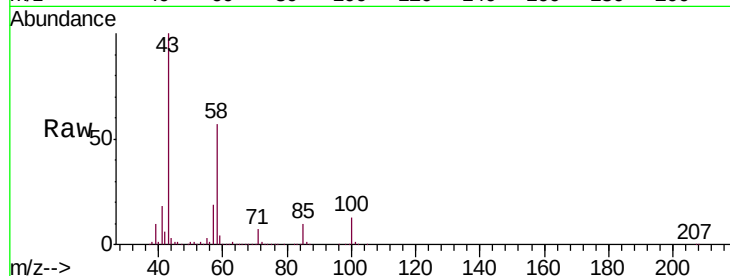




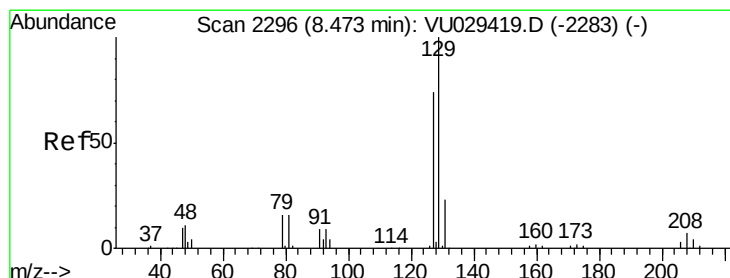
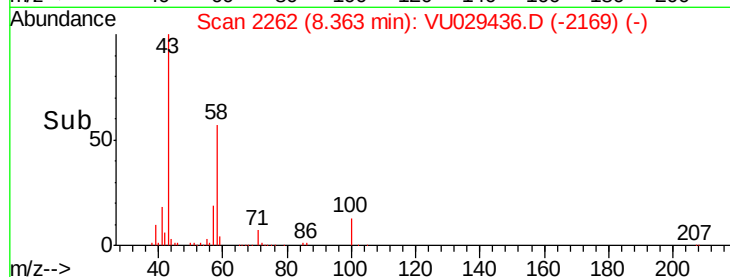
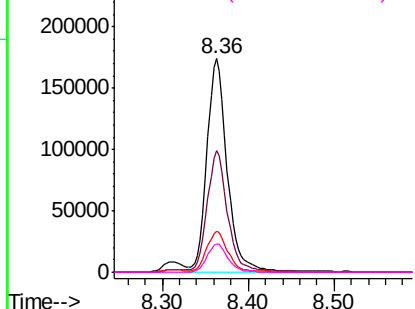
#48
2-Hexanone
Concen: 48.177 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion: 43 Resp: 286703
Ion Ratio Lower Upper
43 100
58 57.0 45.7 68.5
57 20.2 16.4 24.6
100 13.8 11.1 16.7

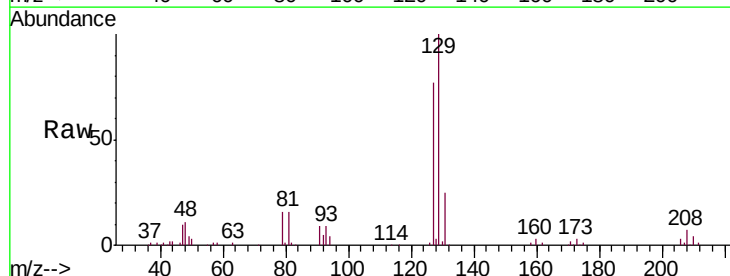


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

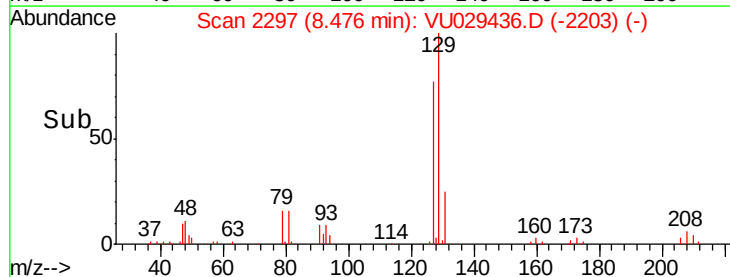
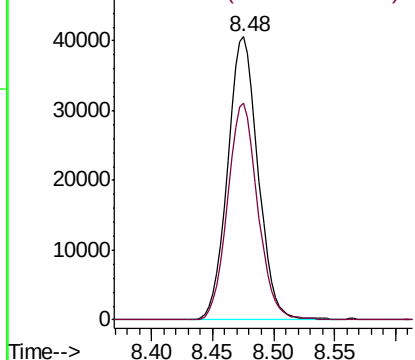


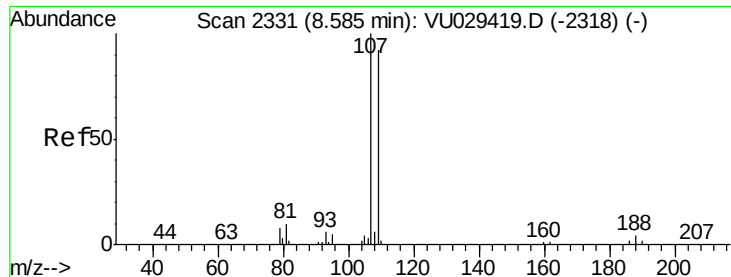
#49
Dibromochloromethane
Concen: 4.843 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Tgt Ion: 129 Resp: 70825
Ion Ratio Lower Upper
129 100
127 76.5 53.3 99.1



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

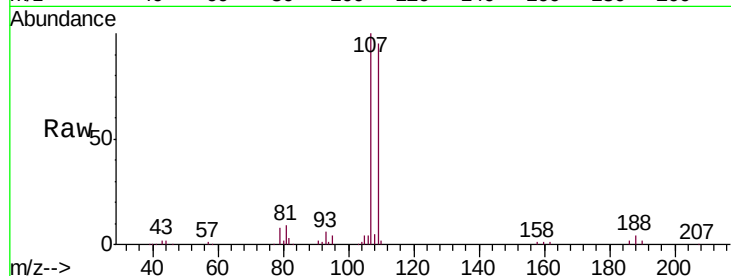




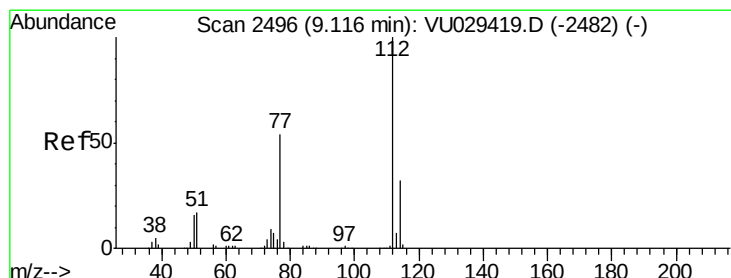
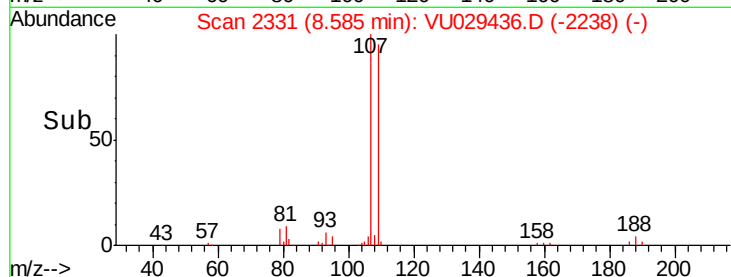
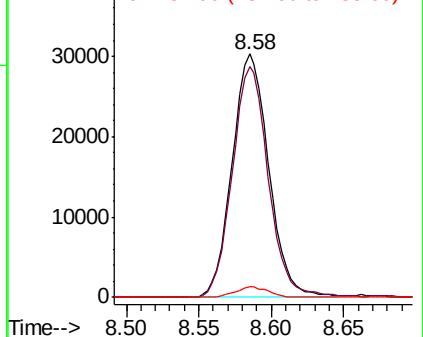
#50
1,2-Dibromoethane
Concen: 4.946 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	64.1	119.1
188	4.4	3.7	5.5

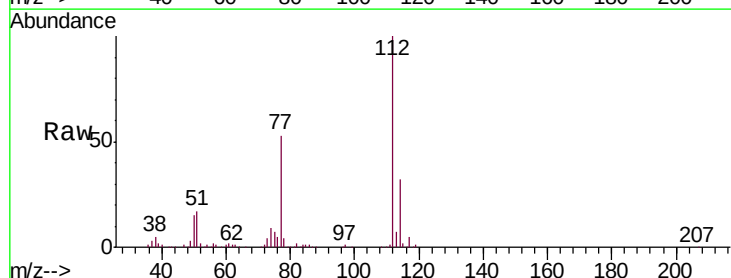


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

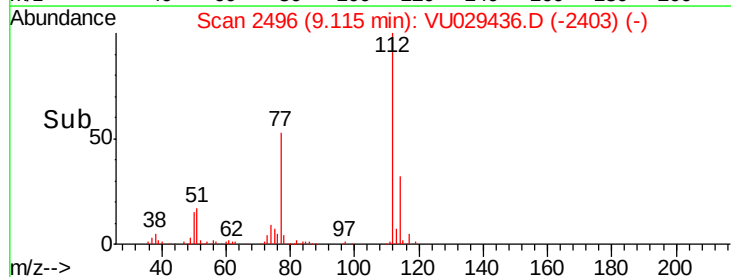
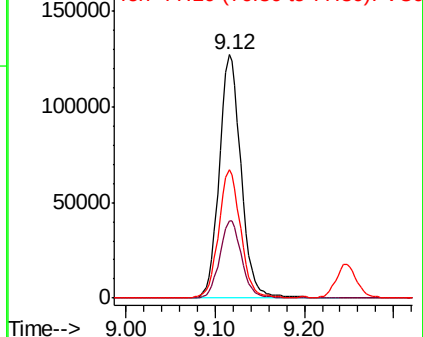


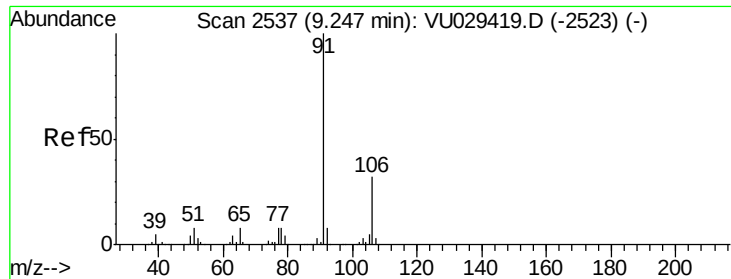
#51
Chlorobenzene
Concen: 4.931 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.9	42.5
77	52.8	41.8	62.6



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

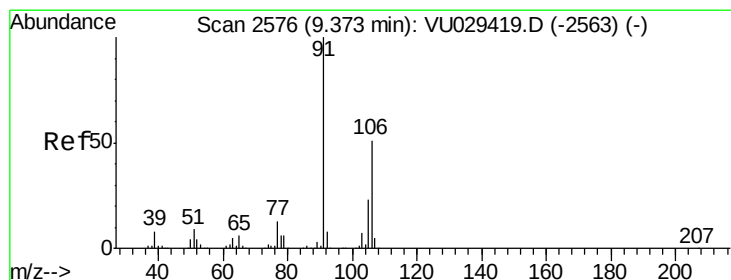
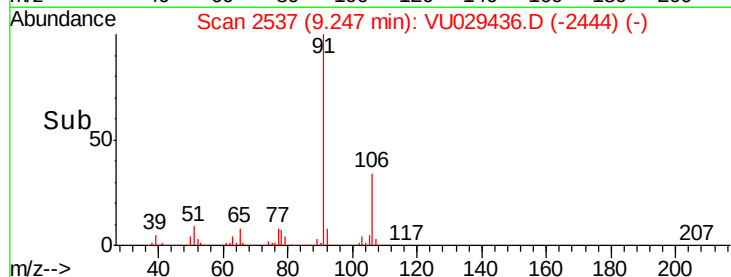
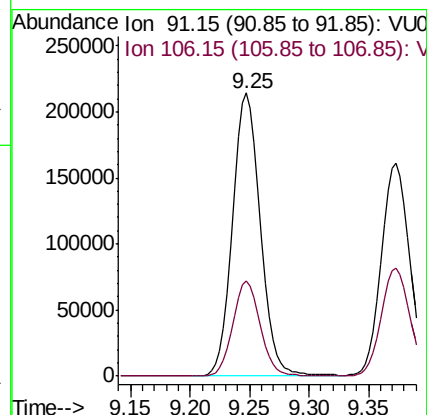
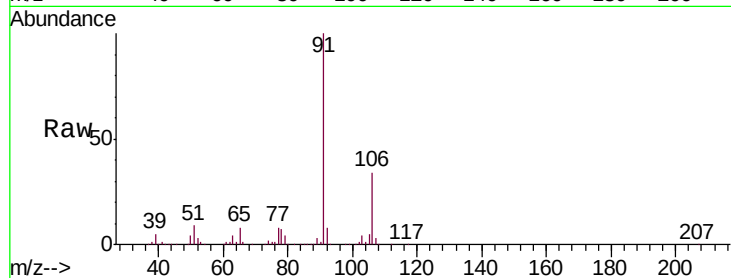




#52
Ethylbenzene
Concen: 4.840 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

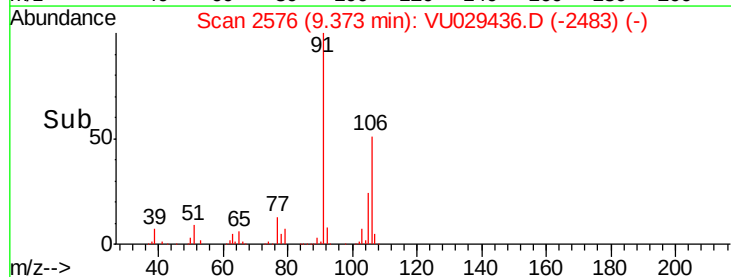
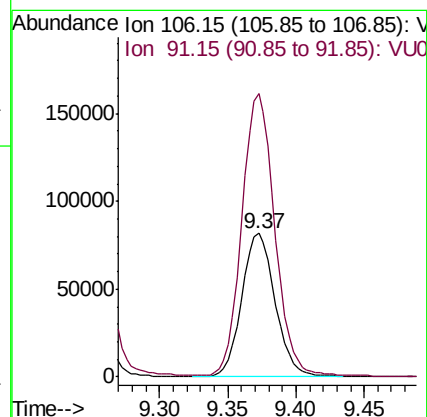
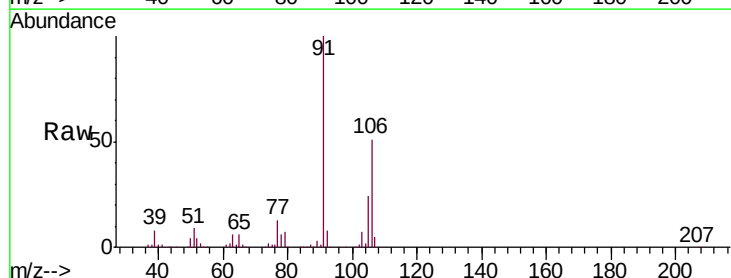
Instrument :
MSVOA_U
ClientSampleId :
VSTD00552

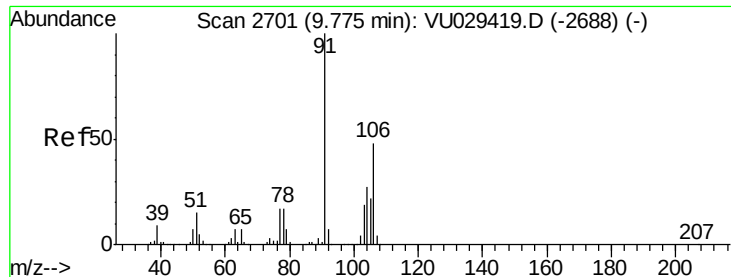
Tgt Ion: 91 Resp: 347890
Ion Ratio Lower Upper
91 100
106 33.7 22.8 42.4



#53
m,p-xylene
Concen: 4.808 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU029436.D
Acq: 12 Feb 2019 21:41

Tgt Ion: 106 Resp: 137802
Ion Ratio Lower Upper
106 100
91 197.6 135.7 251.9





#54

o-xylene

Concen: 4.827 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

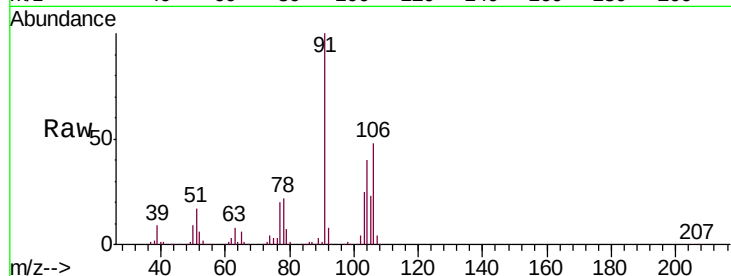
VSTD00552

Tgt Ion:106 Resp: 135793

Ion Ratio Lower Upper

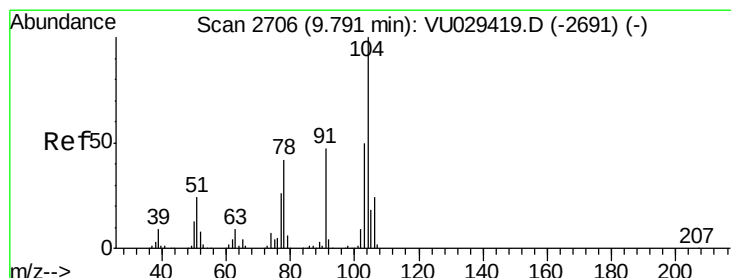
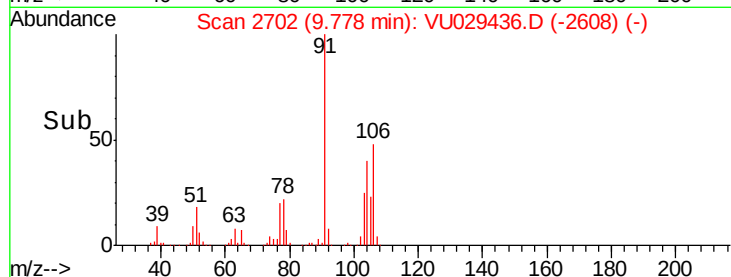
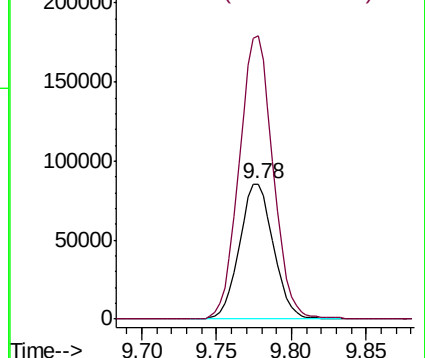
106 100

91 209.5 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.914 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029436.D

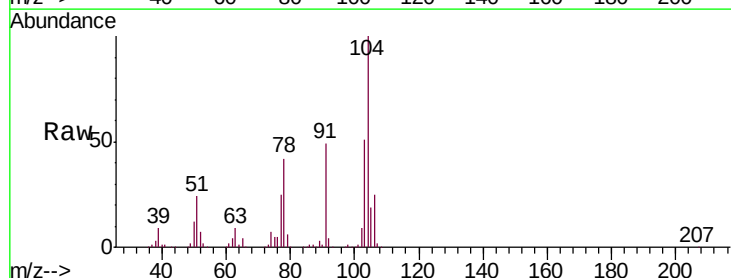
Acq: 12 Feb 2019 21:41

Tgt Ion:104 Resp: 229525

Ion Ratio Lower Upper

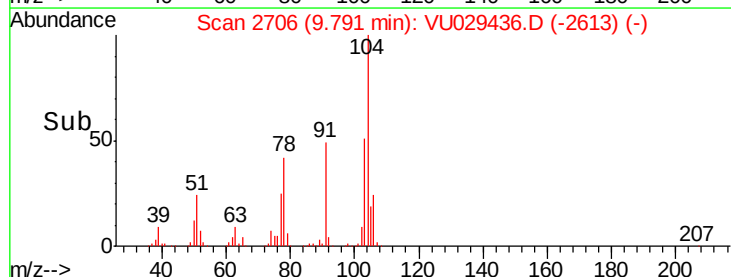
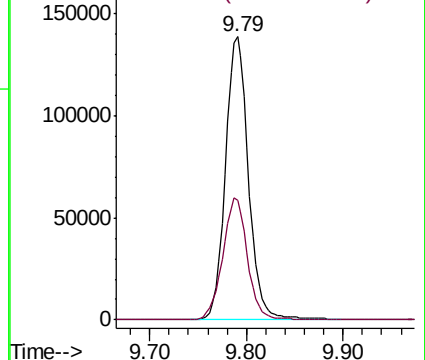
104 100

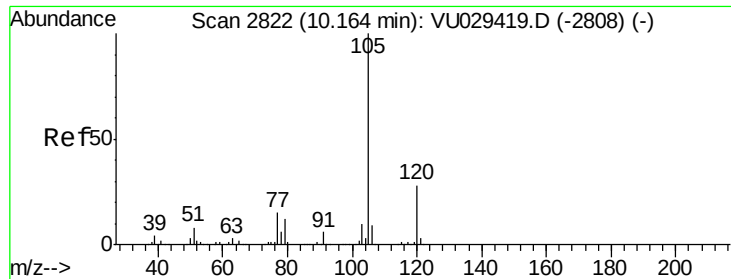
78 42.5 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.860 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

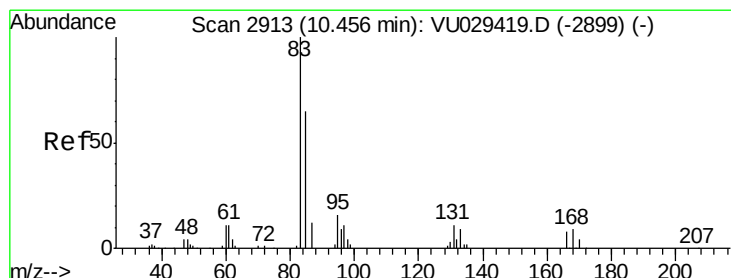
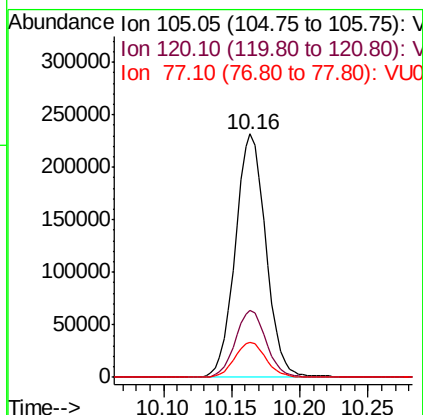
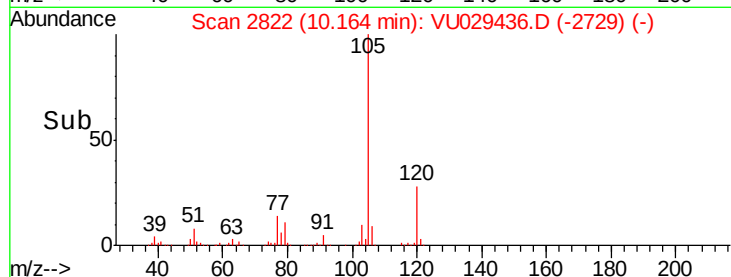
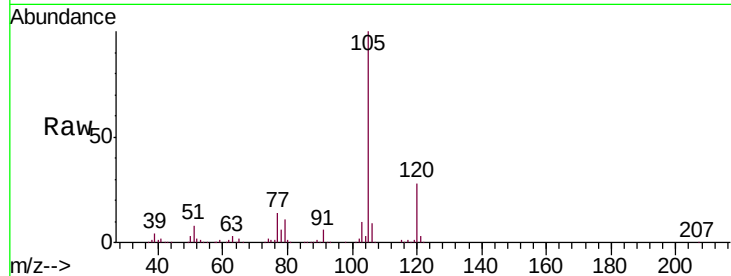
Tgt Ion: 105 Resp: 360632

Ion Ratio Lower Upper

105 100

120 27.8 22.2 33.4

77 14.6 11.5 17.3



#58

1,1,2,2-Tetrachloroethane

Concen: 5.035 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

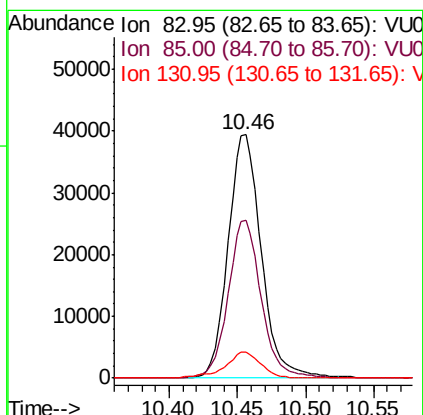
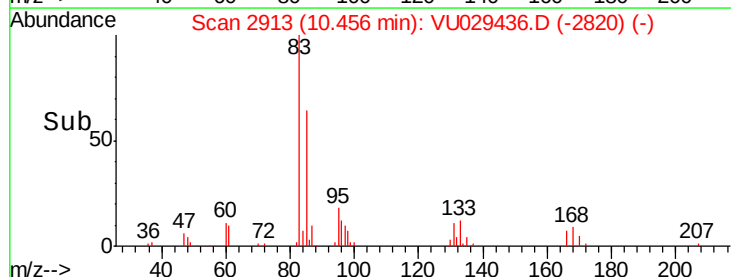
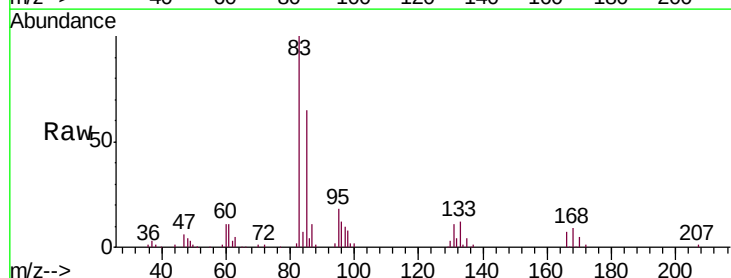
Tgt Ion: 83 Resp: 66674

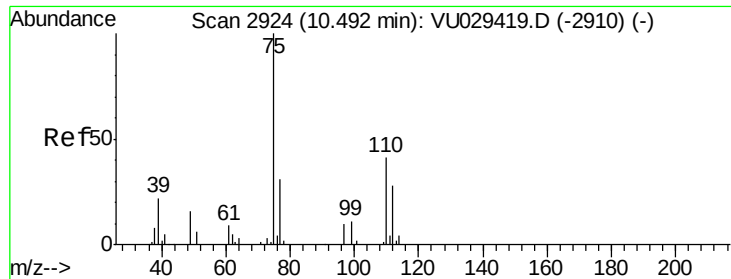
Ion Ratio Lower Upper

83 100

85 64.7 46.5 86.3

131 10.6 8.3 12.5

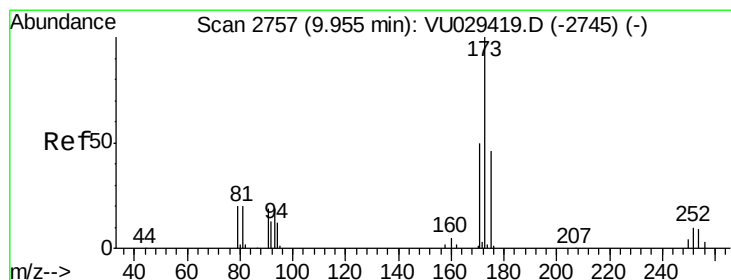
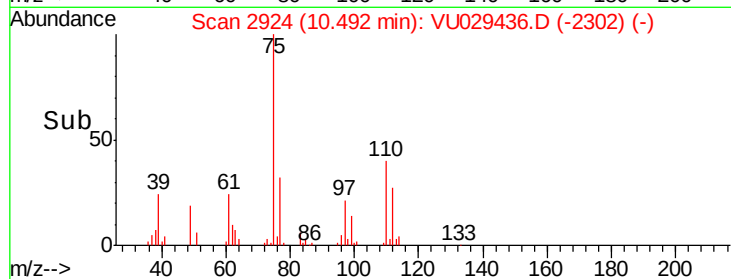
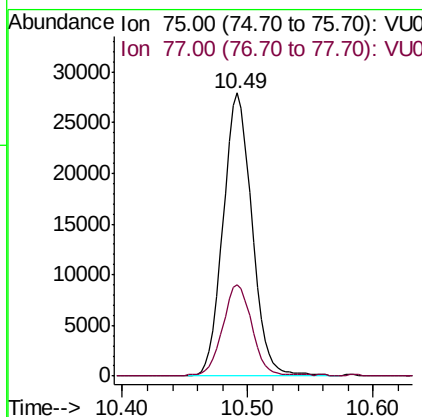
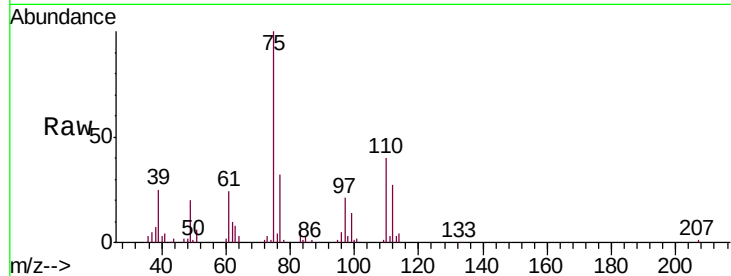




#59
 1,2,3-Trichloropropane
 Concen: 4.899 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

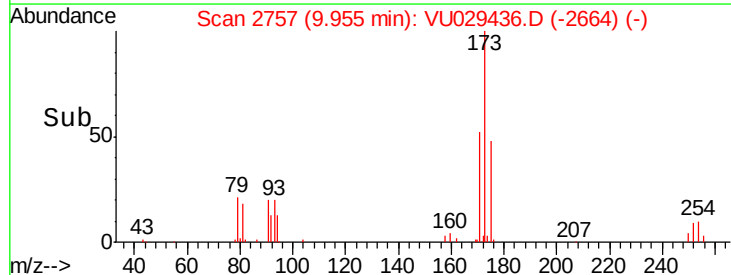
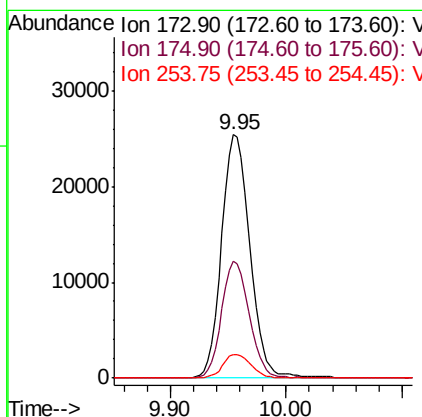
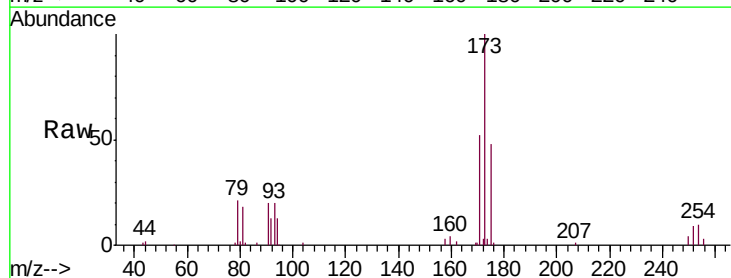
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

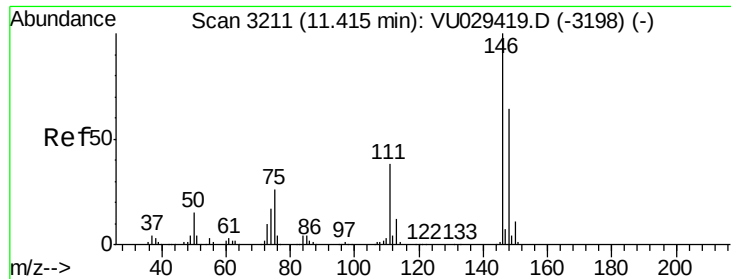
Tgt Ion: 75 Resp: 44514
 Ion Ratio Lower Upper
 75 100
 77 32.9 28.2 42.2



#61
 Bromoform
 Concen: 4.812 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Tgt Ion: 173 Resp: 42997
 Ion Ratio Lower Upper
 173 100
 175 46.9 39.2 58.8
 254 9.6 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 4.854 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

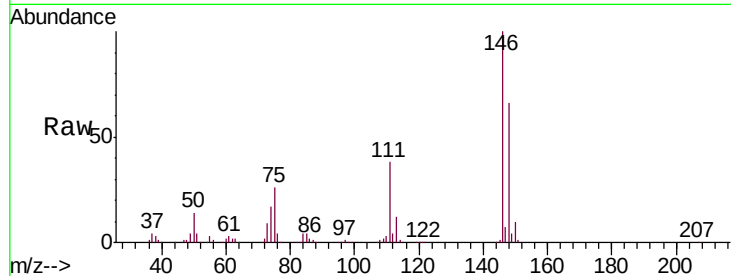
Tgt Ion:146 Resp: 181515

Ion Ratio Lower Upper

146 100

111 37.8 26.1 48.5

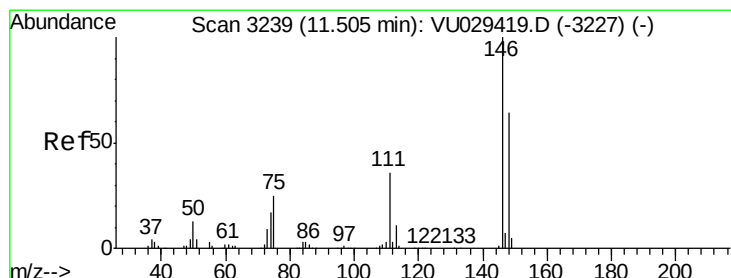
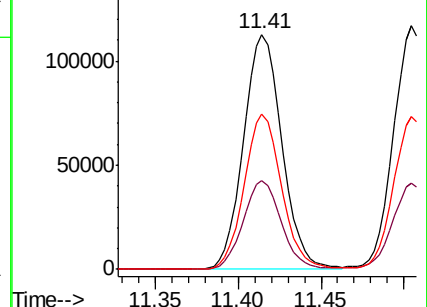
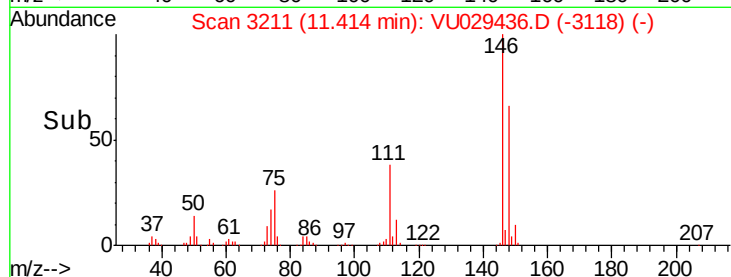
148 65.8 44.7 82.9



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: 4.990 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

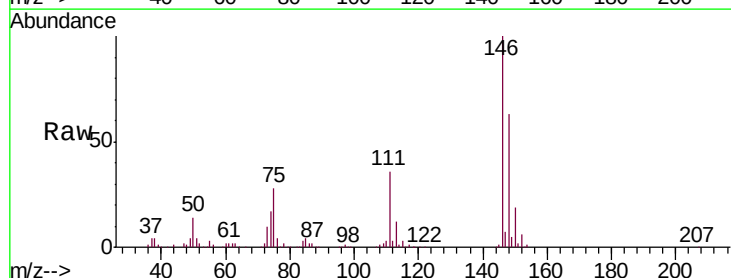
Tgt Ion:146 Resp: 186345

Ion Ratio Lower Upper

146 100

111 35.5 25.6 47.6

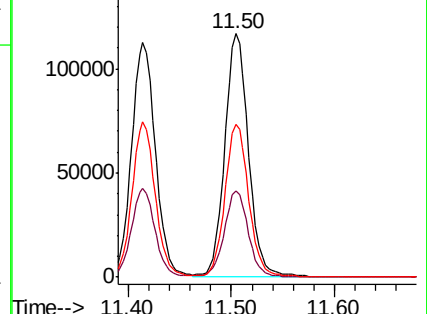
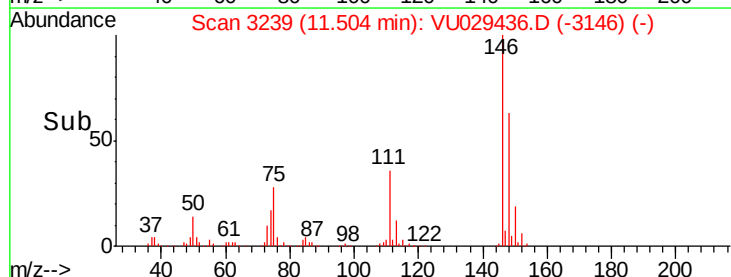
148 62.8 44.2 82.0

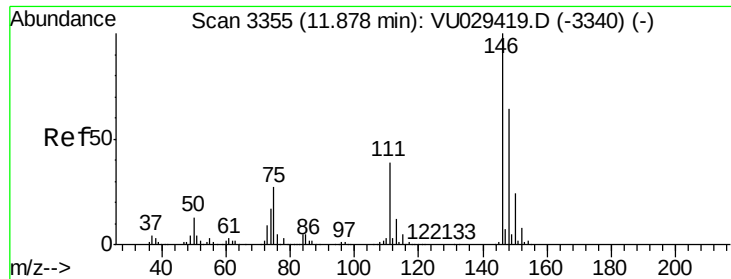


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

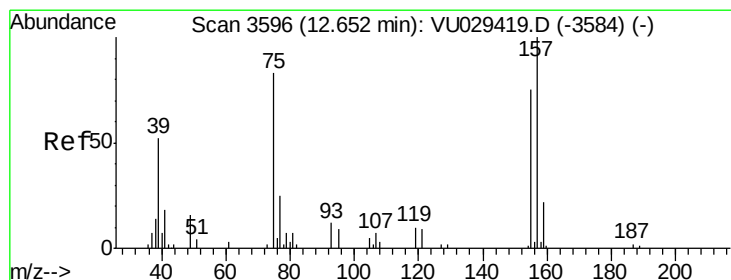
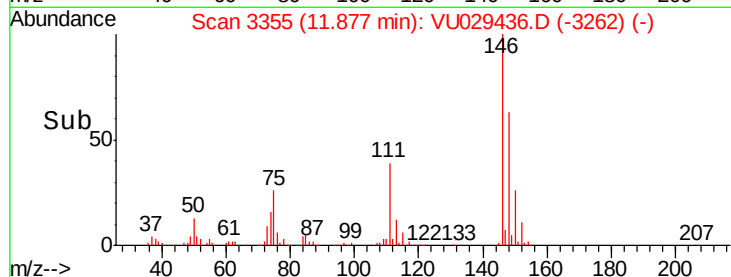
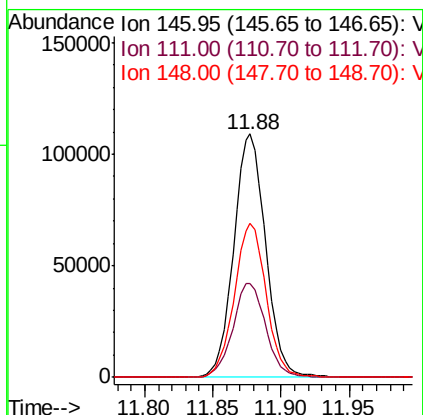
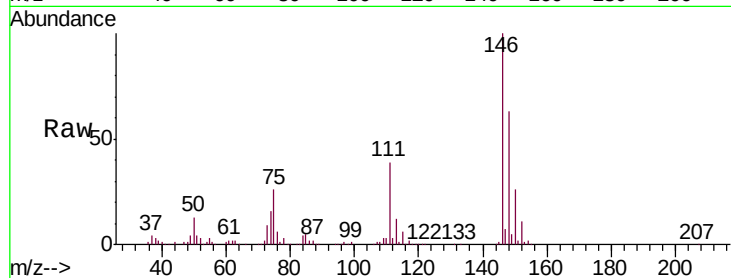




#65
 1,2-Dichlorobenzene
 Concen: 5.018 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

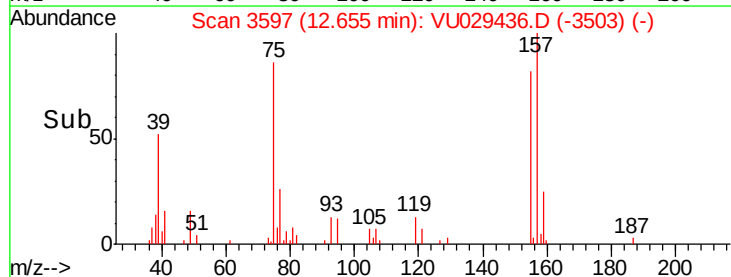
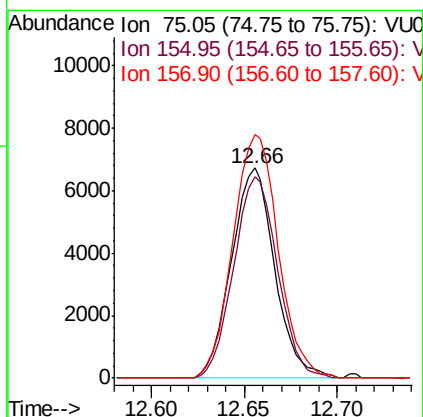
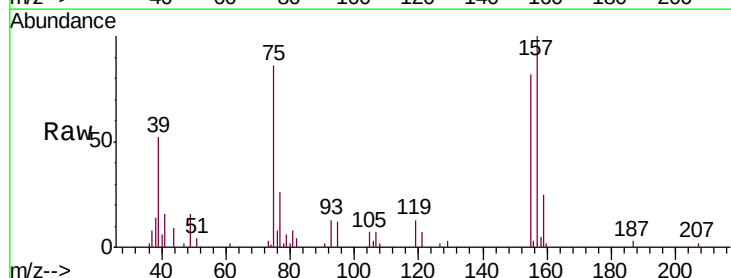
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

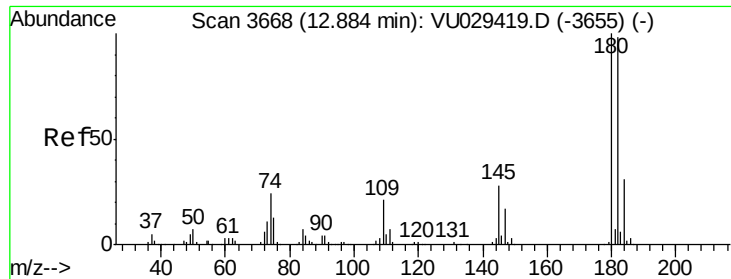
Tgt Ion: 146 Resp: 176791
 Ion Ratio Lower Upper
 146 100
 111 38.7 30.9 46.3
 148 63.4 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.958 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Tgt Ion: 75 Resp: 10927
 Ion Ratio Lower Upper
 75 100
 155 95.5 75.3 112.9
 157 115.8 103.0 154.4

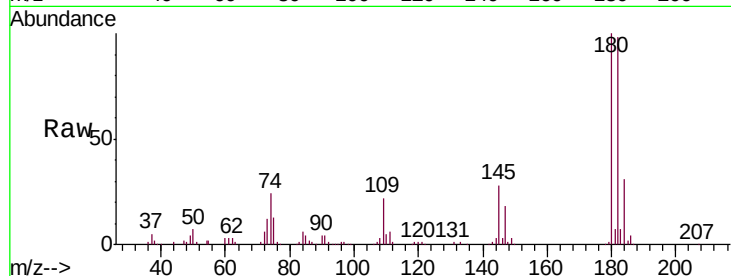




#67
 1,3,5-Trichlorobenzene
 Concen: 4.798 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00552

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.0	114.0
184	32.0	24.1	36.1
145	27.6	22.6	34.0



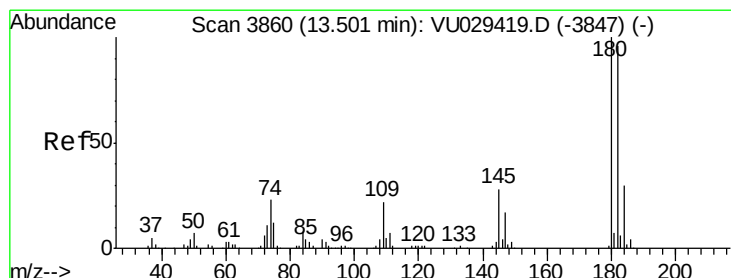
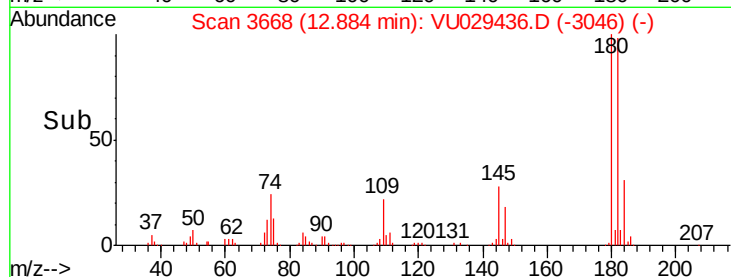
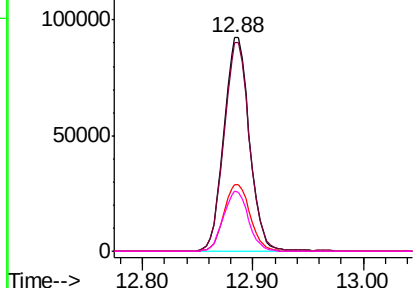
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

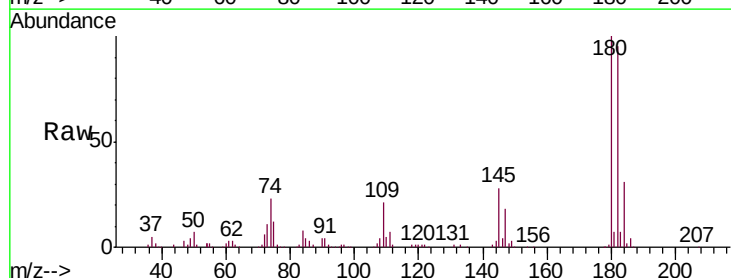
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.896 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029436.D
 Acq: 12 Feb 2019 21:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.1	115.7
145	28.4	23.1	34.7

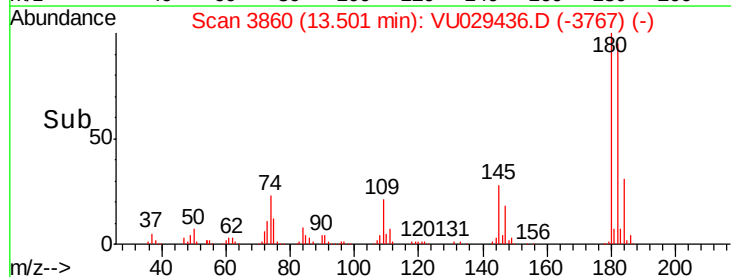
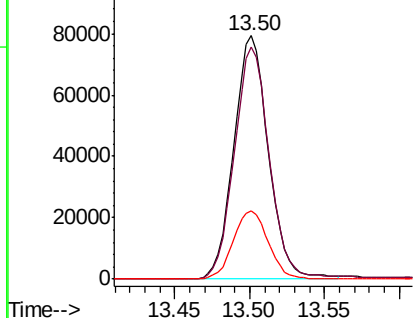


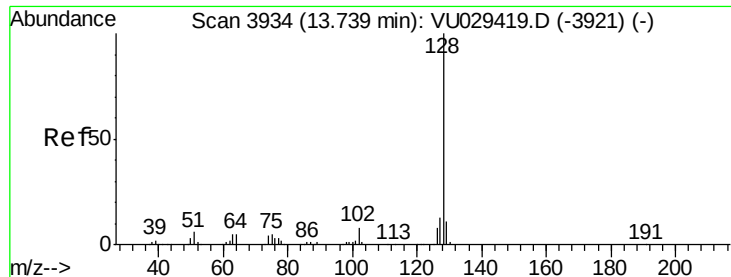
Abundance

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: 4.767 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00552

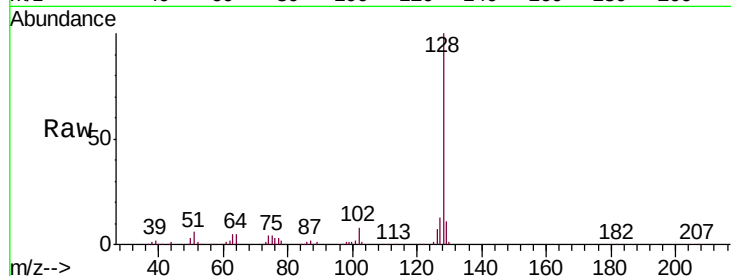
Tgt Ion:128 Resp: 215124

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

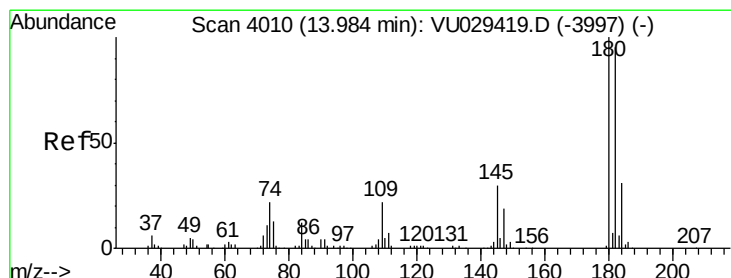
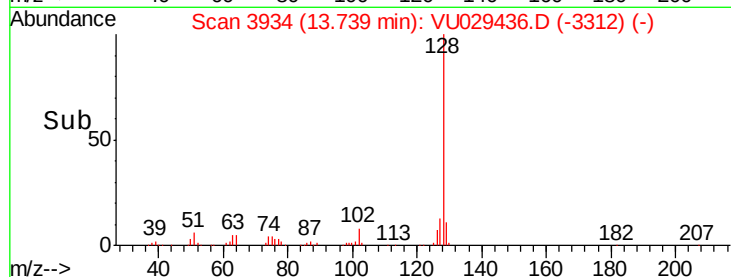
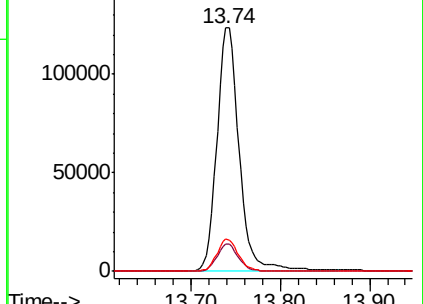
127 13.0 10.3 15.5



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: 4.718 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029436.D

Acq: 12 Feb 2019 21:41

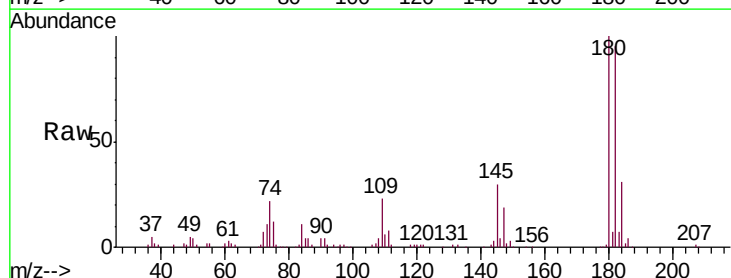
Tgt Ion:180 Resp: 117873

Ion Ratio Lower Upper

180 100

182 97.5 75.9 113.9

145 30.8 23.8 35.6



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

