

Data File : VU029415.D
Acq On : 12 Feb 2019 13:01
Operator : JC/SP
Sample : VSTD00547
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

Quant Time: Feb 13 02:58:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 02:55:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	214884	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	201146	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112140	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69203	4.47	ug/L	0.00
7) Chloroethane-d5	1.68	69	60201	4.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	151108	4.80	ug/L	0.00
20) 2-Butanone-d5	4.20	46	143818	50.63	ug/L	0.00
24) Chloroform-d	4.65	84	111156	4.71	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	58257	4.72	ug/L	0.00
32) Benzene-d6	5.34	84	239257	4.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	71056	4.91	ug/L	0.00
41) Toluene-d8	7.56	98	233545	4.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	31713	4.78	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	145560	50.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60025	4.90	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	98529	4.84	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	91590	5.253 ug/L	100
3) Chloromethane	1.32	50	83758	5.103 ug/L	100
5) Vinyl chloride	1.40	62	99065	5.338 ug/L	100
6) Bromomethane	1.63	94	61797	4.723 ug/L	100
8) Chloroethane	1.70	64	63851	5.435 ug/L	100
9) Trichlorofluoromethane	1.88	101	152645	5.355 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	89778	5.291 ug/L	100
12) 1,1-Dichloroethene	2.28	96	83889	5.251 ug/L	100
13) Acetone	2.33	43	130861	55.515 ug/L	100
14) Carbon disulfide	2.48	76	280571	5.221 ug/L	100
15) Methyl Acetate	2.62	43	33431	5.175 ug/L	100
16) Methylene chloride	2.70	84	89746	5.099 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	212354	5.288 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	90994	5.253 ug/L	100
19) 1,1-Dichloroethane	3.44	63	124975	4.953 ug/L	100
21) 2-Butanone	4.28	43	165878	57.252 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	83785	5.375 ug/L	100
23) Bromochloromethane	4.55	128	37512	5.298 ug/L	100
25) Chloroform	4.67	83	140005	5.531 ug/L	100
27) 1,2-Dichloroethane	5.41	62	79975	5.409 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	122466	5.419 ug/L	100
30) Cyclohexane	4.99	56	117335	5.442 ug/L	100
31) Carbon tetrachloride	5.13	117	110253	5.329 ug/L	100
33) Benzene	5.39	78	289370	5.511 ug/L	100
34) Trichloroethene	6.18	95	80974	5.416 ug/L	100
35) Methylcyclohexane	6.41	83	135821	5.310 ug/L	100
37) 1,2-Dichloropropane	6.43	63	71973	5.390 ug/L	100
38) Bromodichloromethane	6.76	83	95871	5.295 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	114130	5.325 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	411419	54.795 ug/L	100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 02:55:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	327086	5.461	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	93123	5.241	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	55657	5.374	ug/L	100
47) Tetrachloroethene	8.22	164	75068	5.406	ug/L	100
48) 2-Hexanone	8.36	43	297122	56.732	ug/L	100
49) Dibromochloromethane	8.47	129	74021	5.255	ug/L	100
50) 1,2-Dibromoethane	8.59	107	54848	5.451	ug/L	100
51) Chlorobenzene	9.12	112	221919	5.378	ug/L	100
52) Ethylbenzene	9.25	91	366286	5.383	ug/L	100
53) m,p-xylene	9.37	106	144456	5.325	ug/L	100
54) o-xylene	9.77	106	143506	5.422	ug/L	100
55) Styrene	9.79	104	236894	5.396	ug/L	100
56) Isopropylbenzene	10.16	105	380364	5.427	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	67178	5.298	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	45599	5.399	ug/L	100
61) Bromoform	9.95	173	46460	5.210	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	189898	5.373	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	189413	5.280	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	177323	5.350	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	11372	5.164	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	156740	5.365	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	133449	5.260	ug/L	100
69) Naphthalene	13.74	128	223703	5.639	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	124810	5.416	ug/L	100

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

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

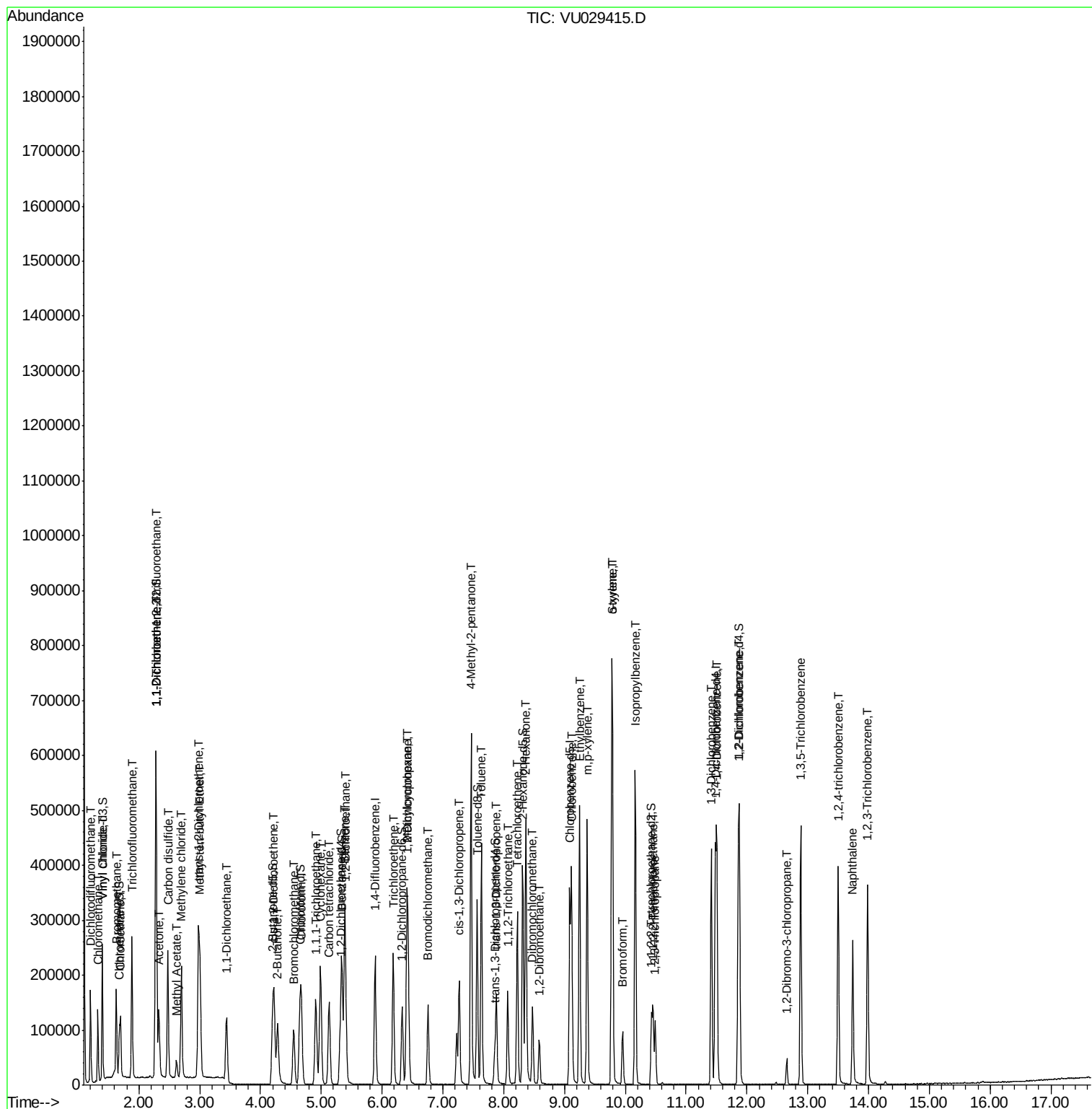
Quant Time: Feb 13 02:58:37 2019

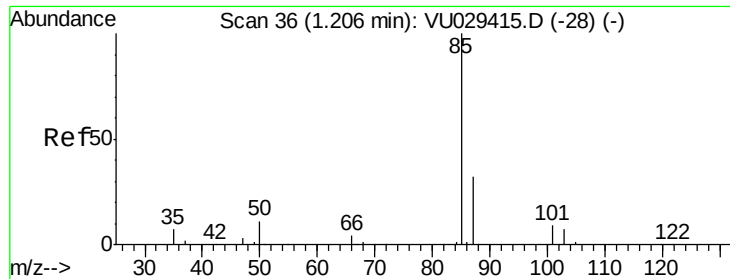
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR021219WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 5.253 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

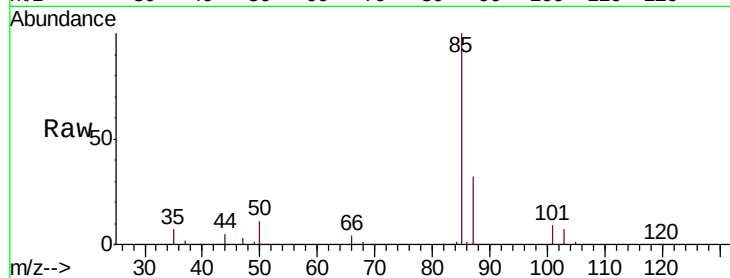
VSTD00547

Tgt Ion: 85 Resp: 91590

Ion Ratio Lower Upper

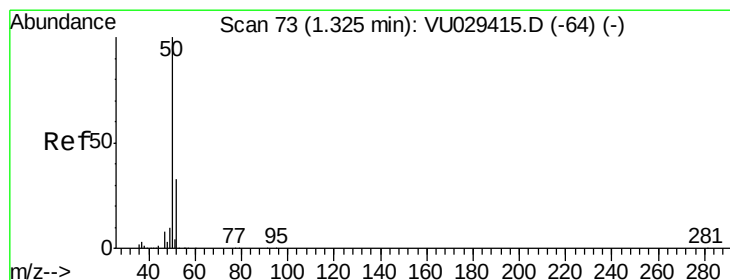
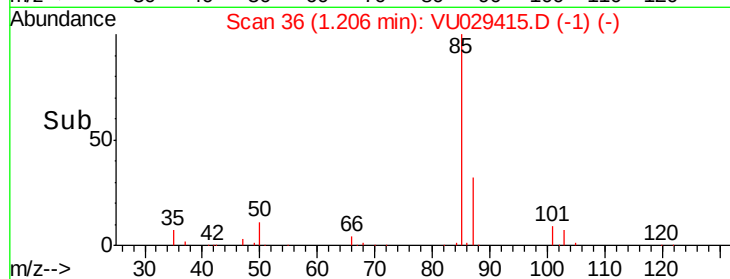
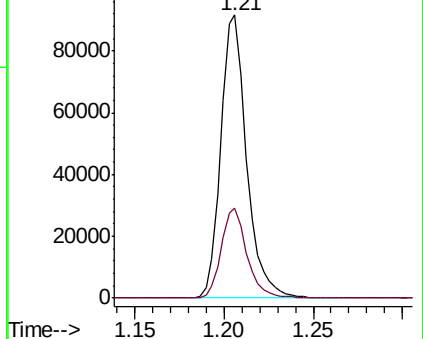
85 100

87 31.7 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.103 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU029415.D

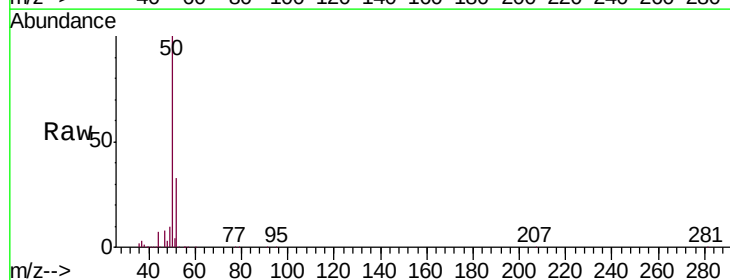
Acq: 12 Feb 2019 13:01

Tgt Ion: 50 Resp: 83758

Ion Ratio Lower Upper

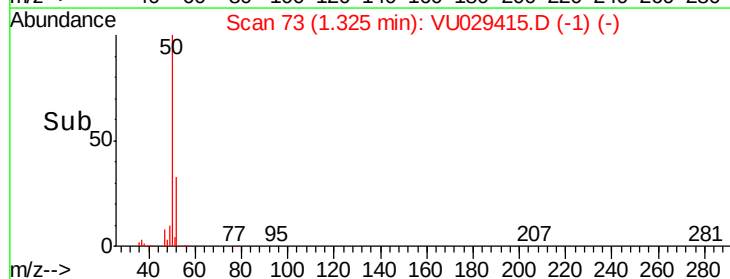
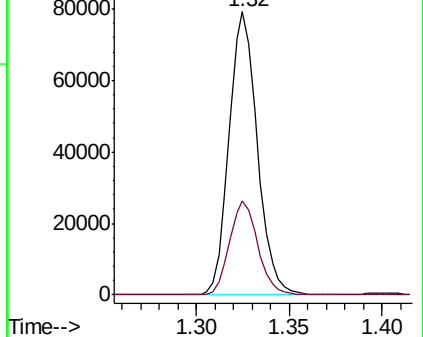
50 100

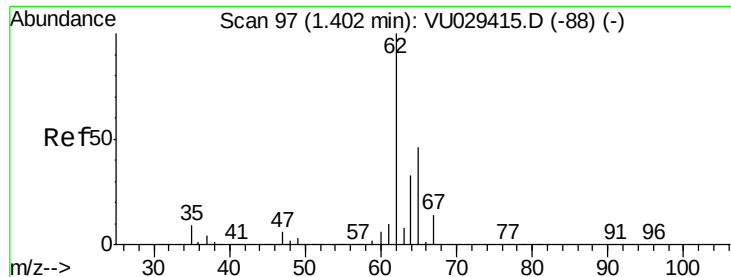
52 33.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.338 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

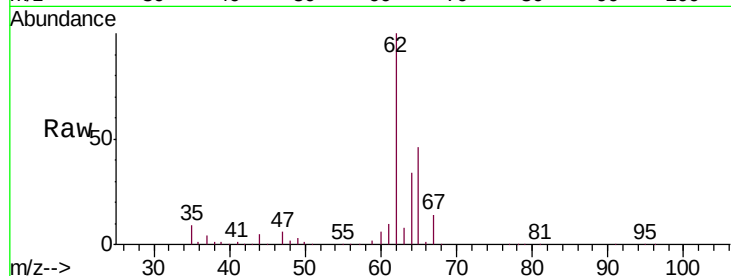
VSTD00547

Tgt Ion: 62 Resp: 99065

Ion Ratio Lower Upper

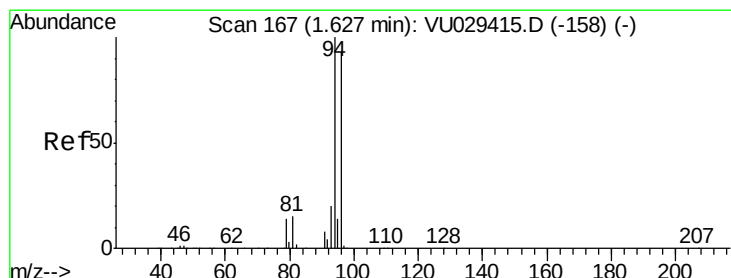
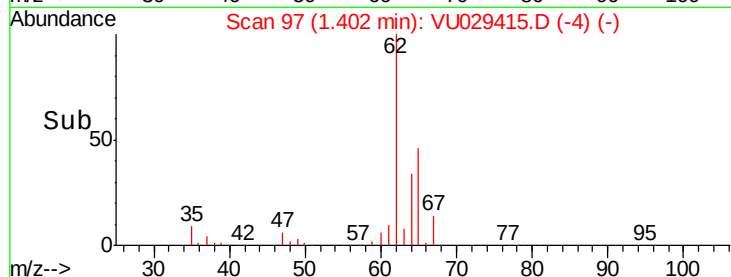
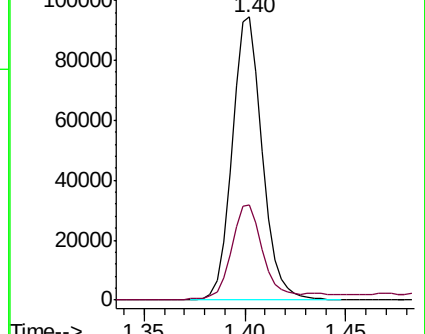
62 100

64 33.6 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: 4.723 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029415.D

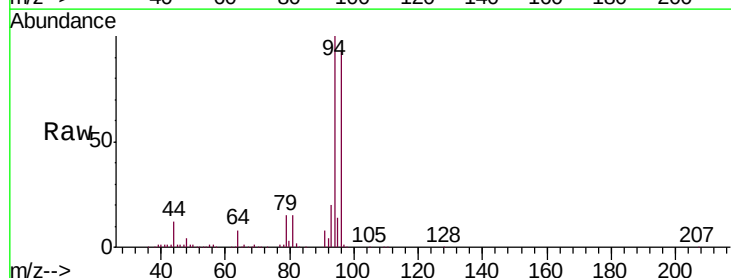
Acq: 12 Feb 2019 13:01

Tgt Ion: 94 Resp: 61797

Ion Ratio Lower Upper

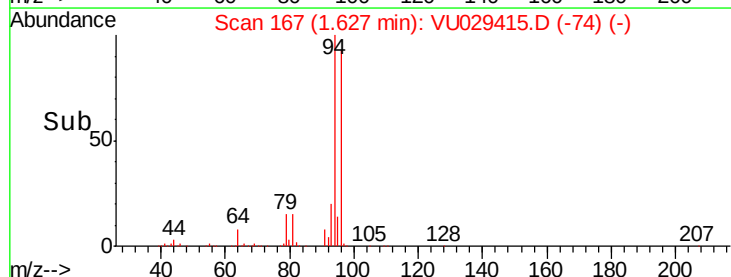
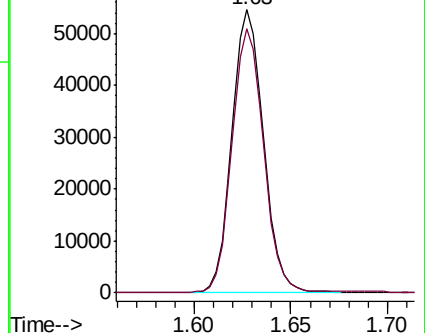
94 100

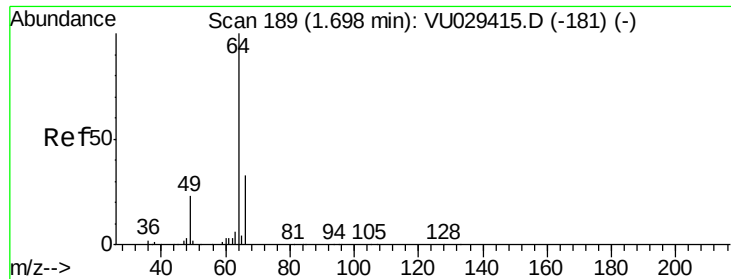
96 93.1 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.435 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

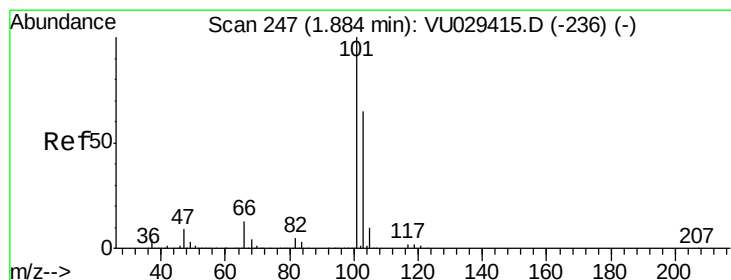
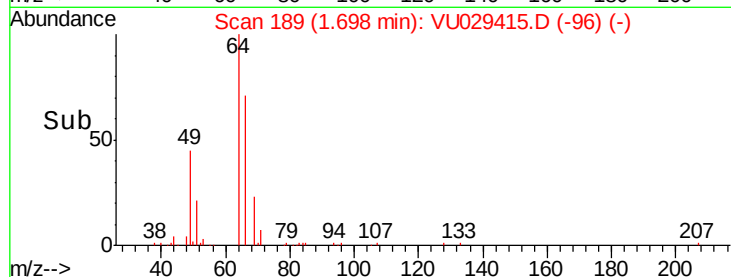
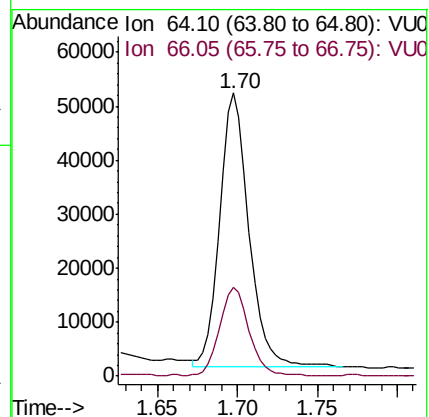
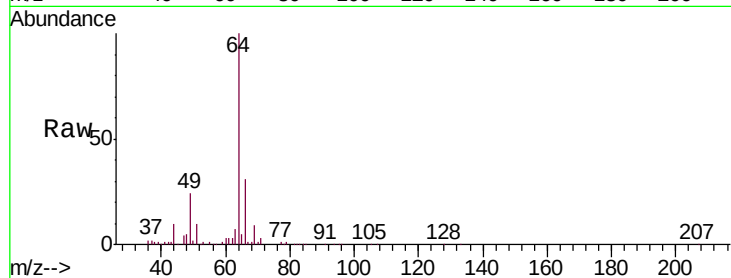
VSTD00547

Tgt Ion: 64 Resp: 63851

Ion Ratio Lower Upper

64 100

66 31.4 22.0 40.8



#9

Trichlorofluoromethane

Concen: 5.355 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029415.D

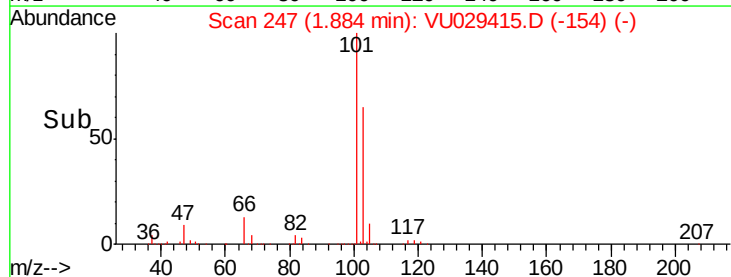
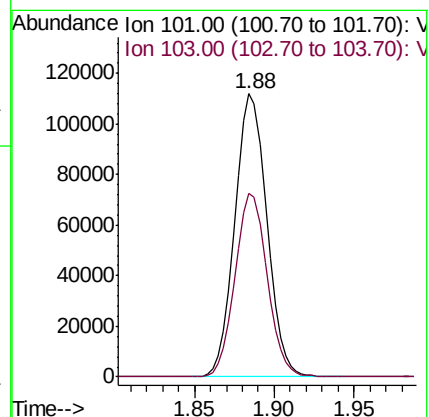
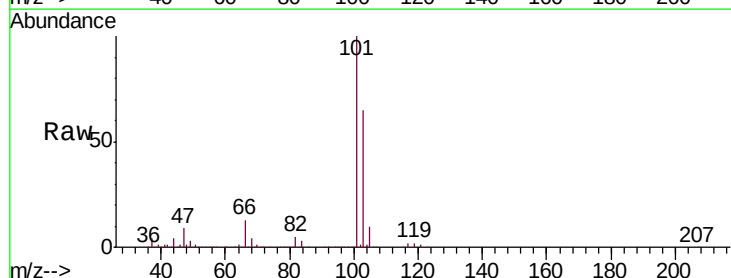
Acq: 12 Feb 2019 13:01

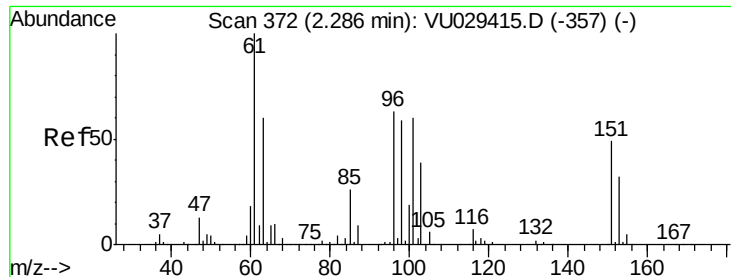
Tgt Ion: 101 Resp: 152645

Ion Ratio Lower Upper

101 100

103 65.1 52.1 78.1





#10

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

Concen: 5.291 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

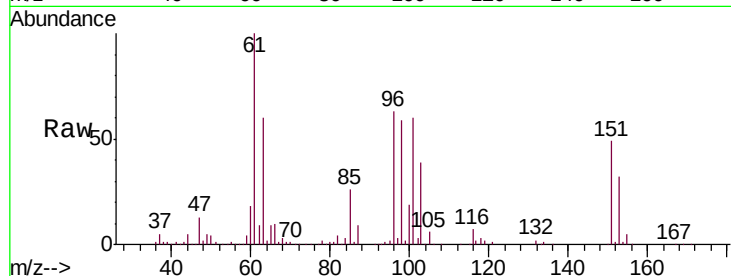
Tgt Ion: 101 Resp: 89778

Ion Ratio Lower Upper

101 100

85 43.9 35.1 52.7

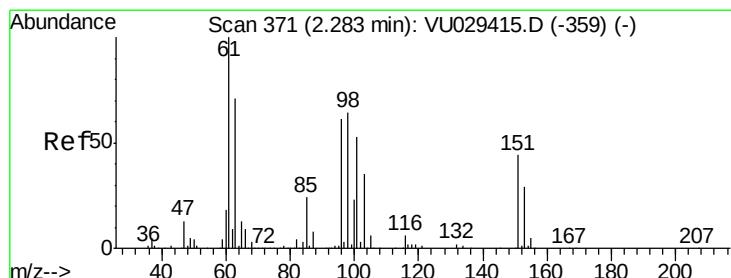
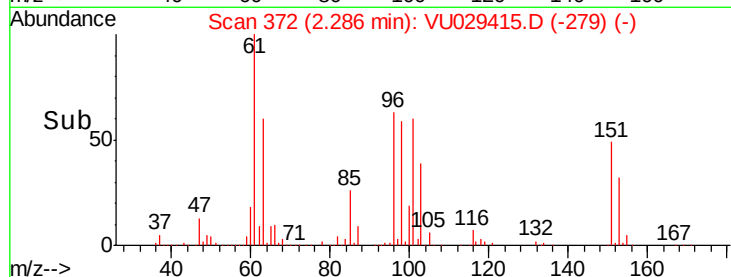
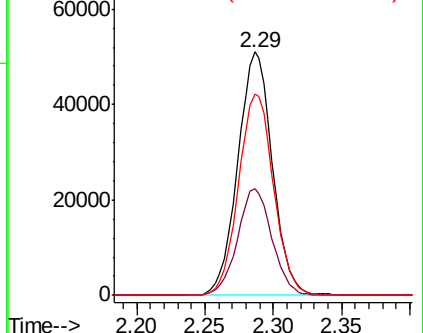
151 83.8 67.0 100.6



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: 5.251 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

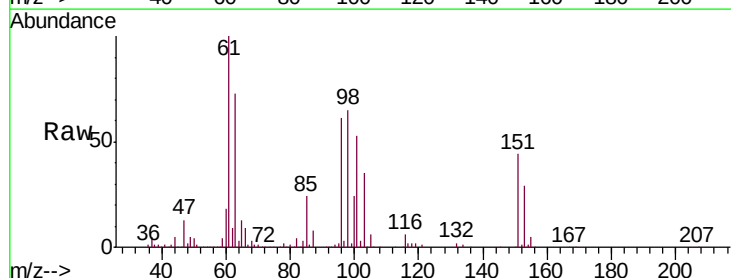
Tgt Ion: 96 Resp: 83889

Ion Ratio Lower Upper

96 100

61 164.4 115.1 213.7

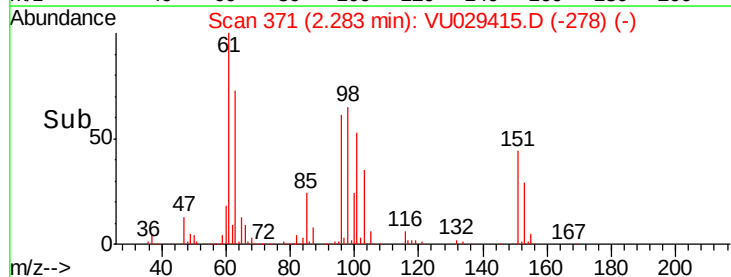
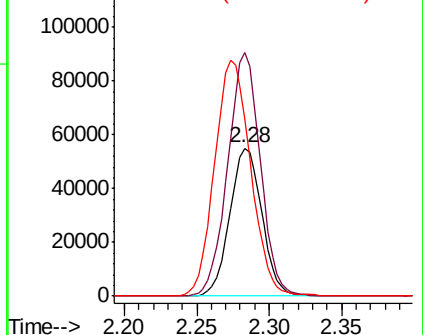
63 119.3 83.5 155.1

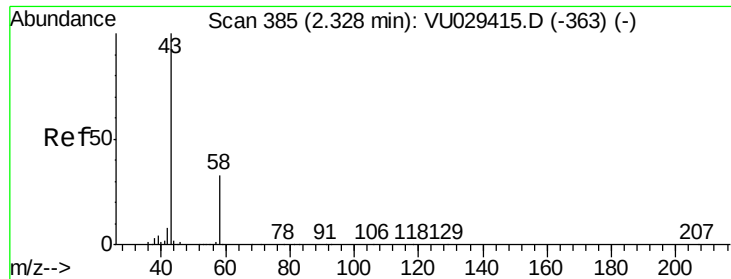


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

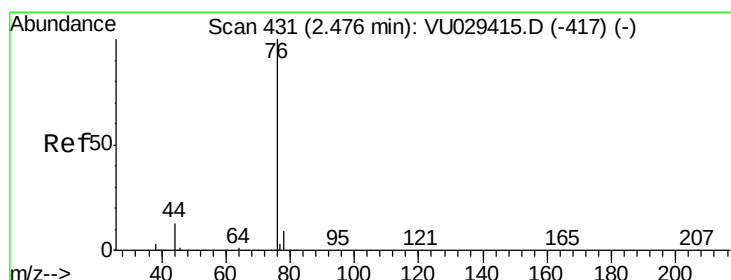
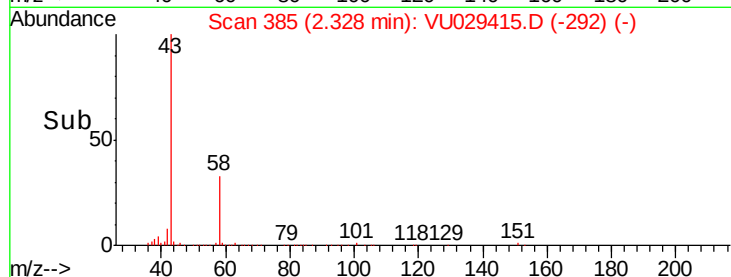
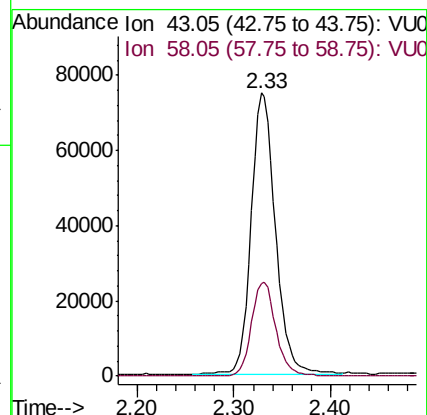
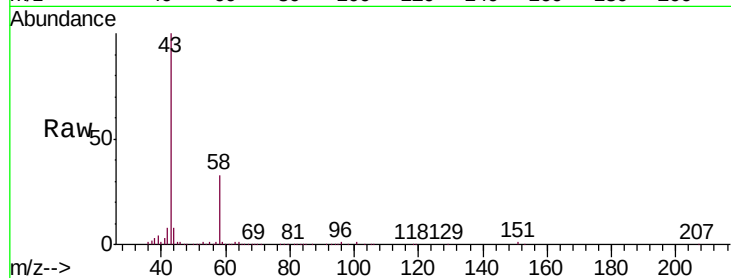




#13
Acetone
Concen: 55.515 ug/L
RT: 2.33 min Scan# 385
Delta R.T. 0.00 min
Lab File: VU029415.D
Acq: 12 Feb 2019 13:01

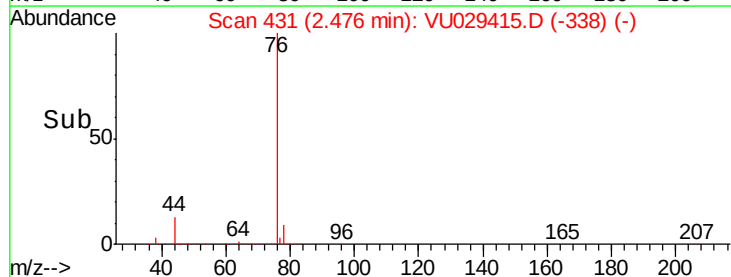
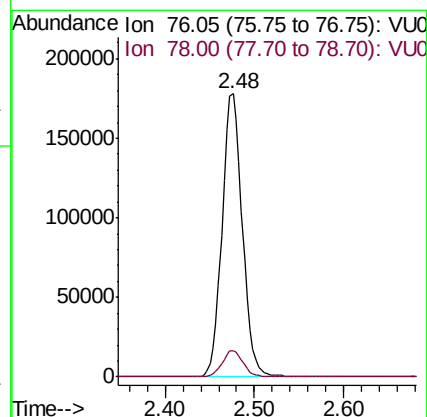
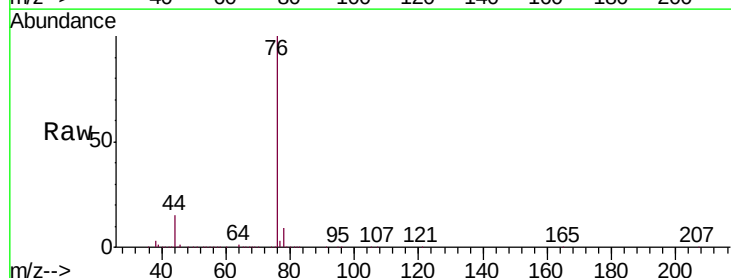
Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

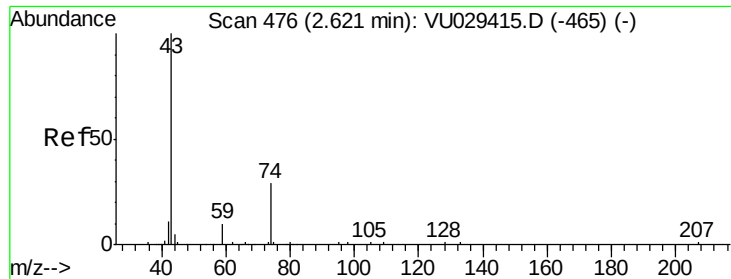
Tgt Ion: 43 Resp: 130861
Ion Ratio Lower Upper
43 100
58 32.5 0.0 65.0



#14
Carbon disulfide
Concen: 5.221 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VU029415.D
Acq: 12 Feb 2019 13:01

Tgt Ion: 76 Resp: 280571
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 5.175 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

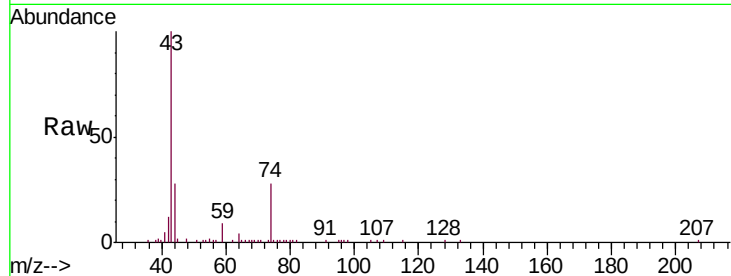
VSTD00547

Tgt Ion: 43 Resp: 33431

Ion Ratio Lower Upper

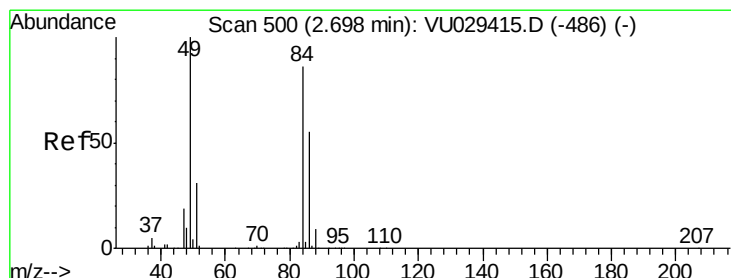
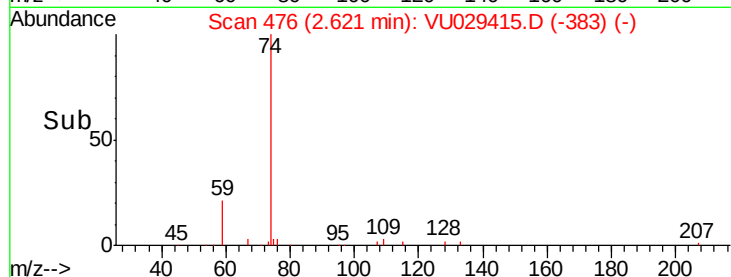
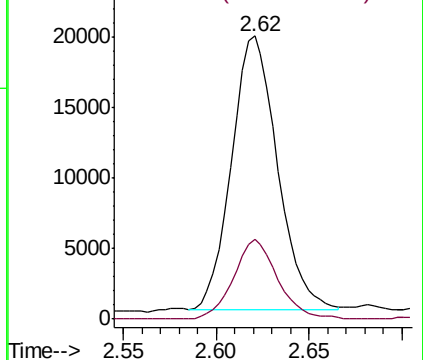
43 100

74 27.9 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: 5.099 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

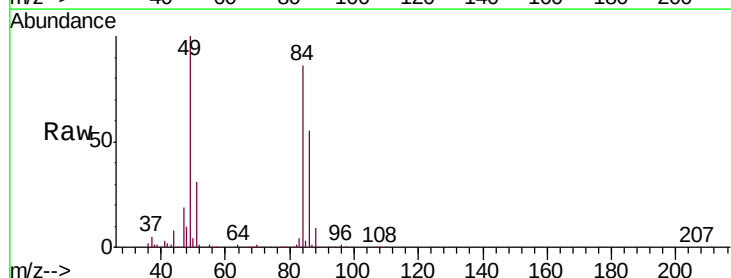
Tgt Ion: 84 Resp: 89746

Ion Ratio Lower Upper

84 100

86 64.5 45.1 83.9

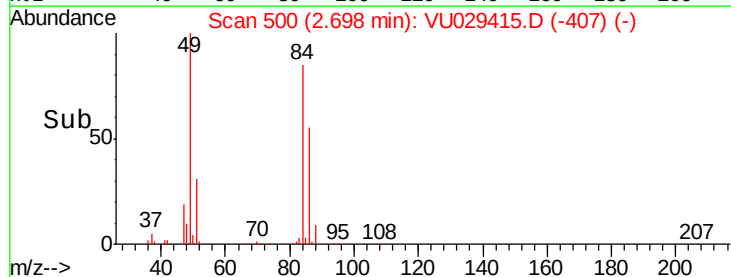
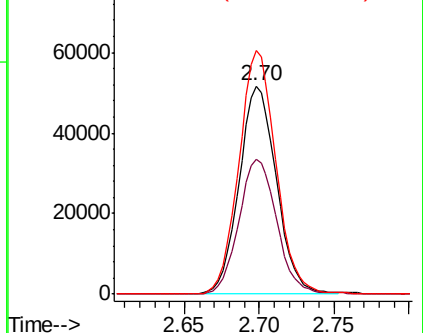
49 116.8 81.8 151.8

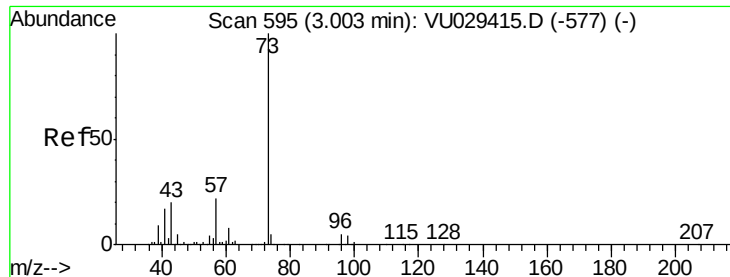


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 5.288 ug/L

RT: 3.00 min Scan# 595

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

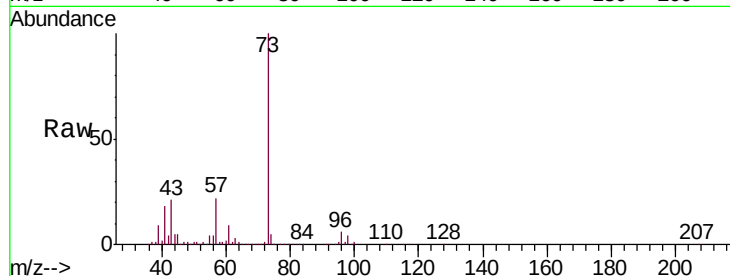
Tgt Ion: 73 Resp: 212354

Ion Ratio Lower Upper

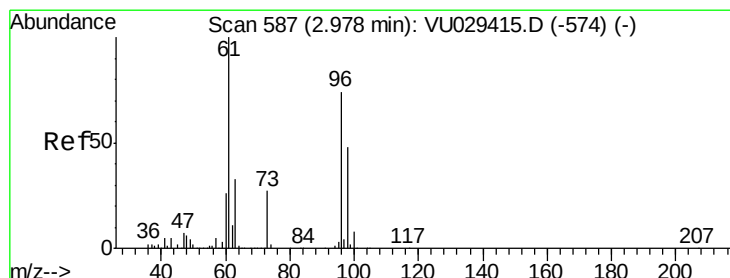
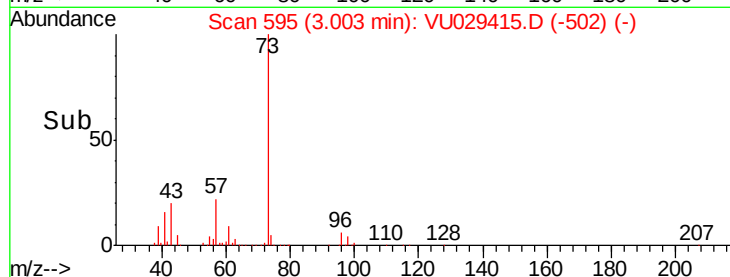
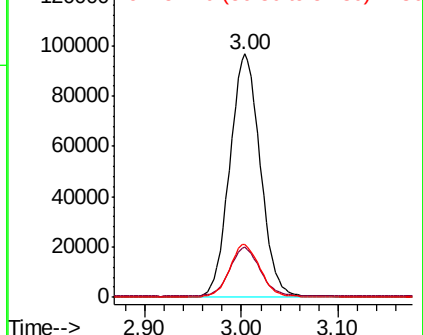
73 100

43 20.0 16.0 24.0

57 21.1 16.9 25.3



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



#18

trans-1,2-Dichloroethene

Concen: 5.253 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

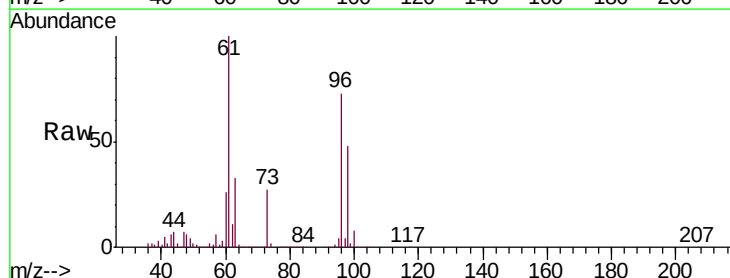
Tgt Ion: 96 Resp: 90994

Ion Ratio Lower Upper

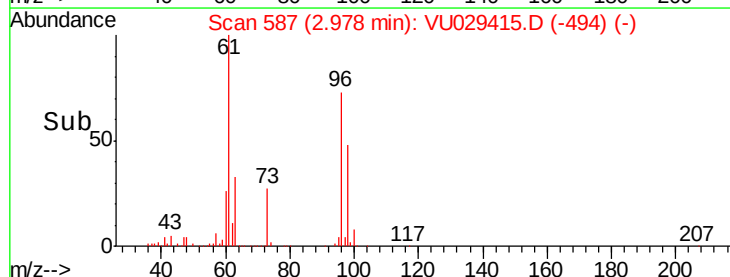
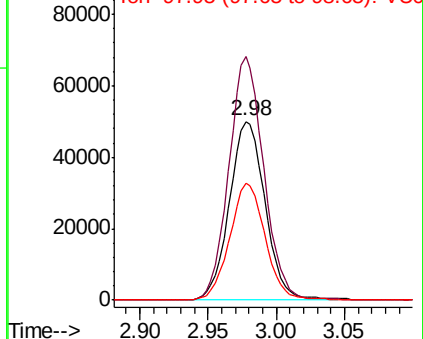
96 100

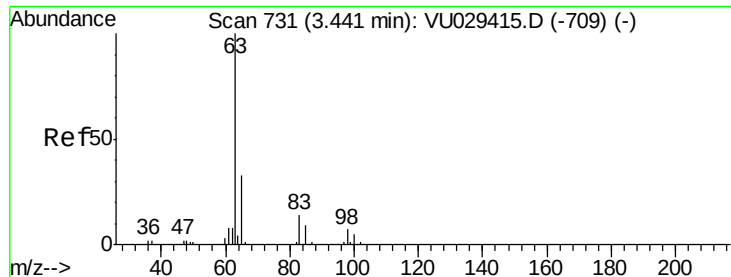
61 136.3 95.4 177.2

98 65.5 45.8 85.2



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

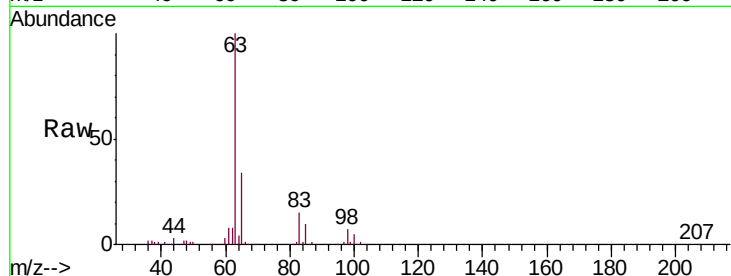




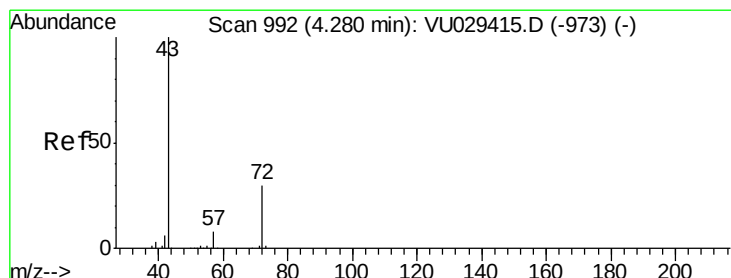
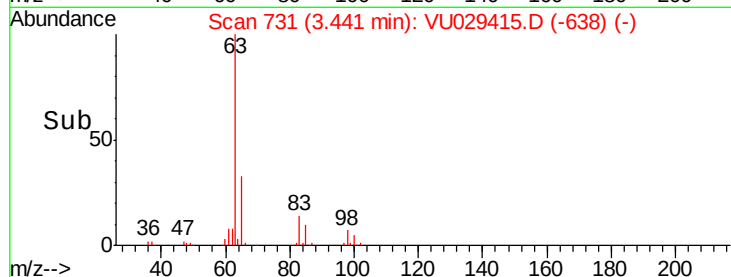
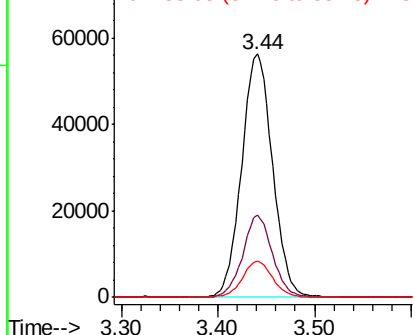
#19
 1,1-Dichloroethane
 Concen: 4.953 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.6	23.5	43.7
83	14.7	10.3	19.1

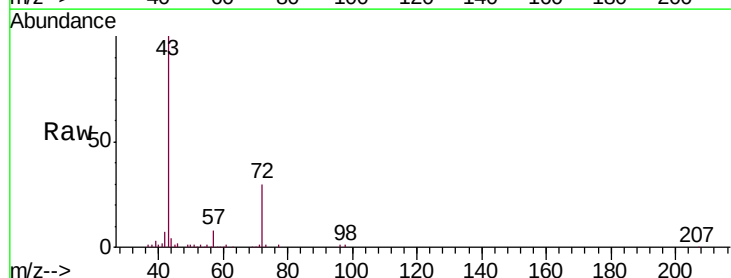


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

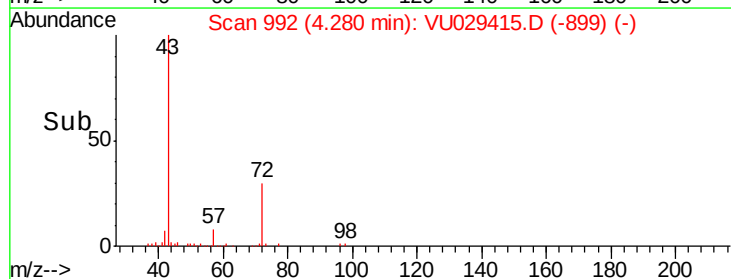
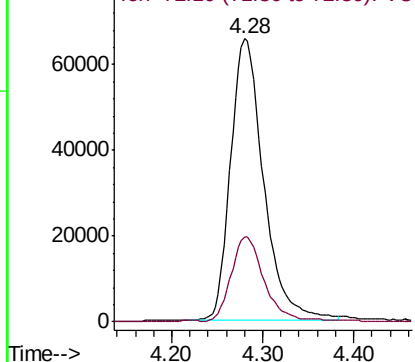


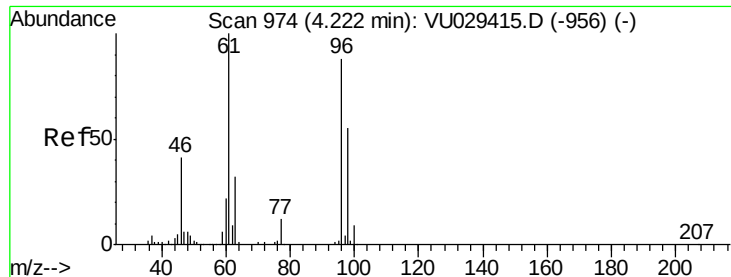
#21
 2-Butanone
 Concen: 57.252 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.4	14.7	44.1



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



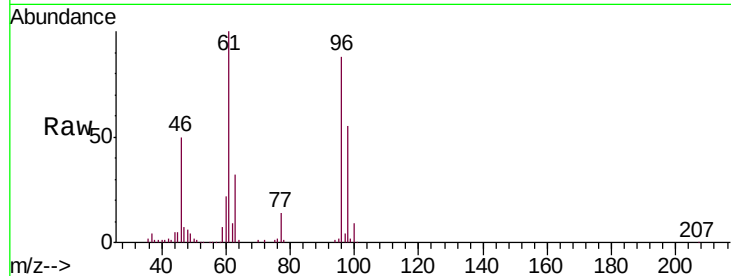


#22

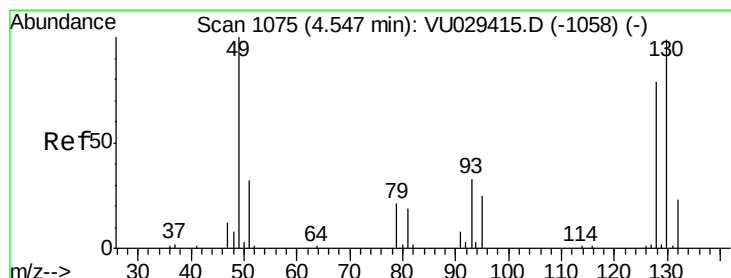
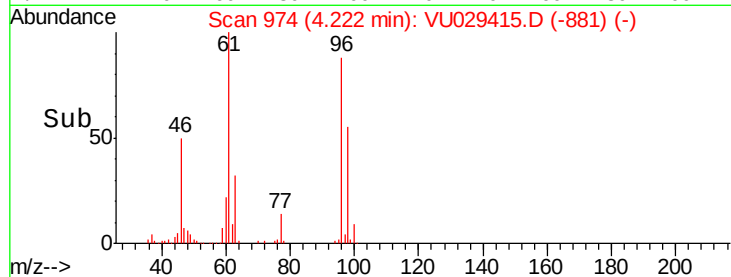
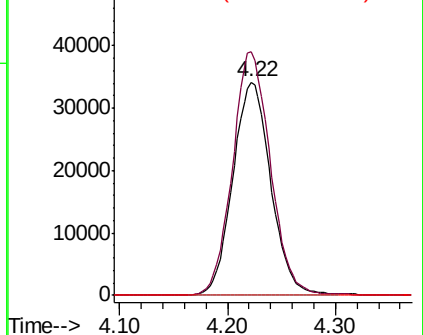
cis-1,2-Dichloroethene
 Concen: 5.375 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00547

Tgt Ion: 96 Resp: 83785
 Ion Ratio Lower Upper
 96 100
 61 114.2 79.9 148.5
 68 0.0 0.0 0.0



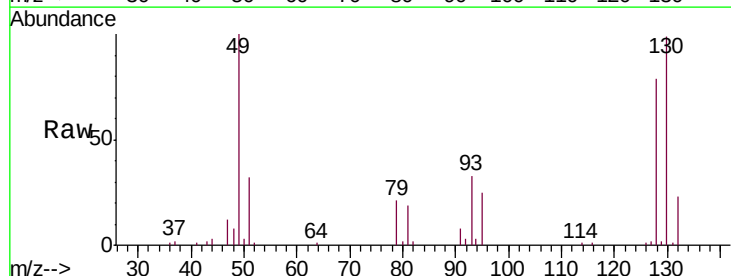
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



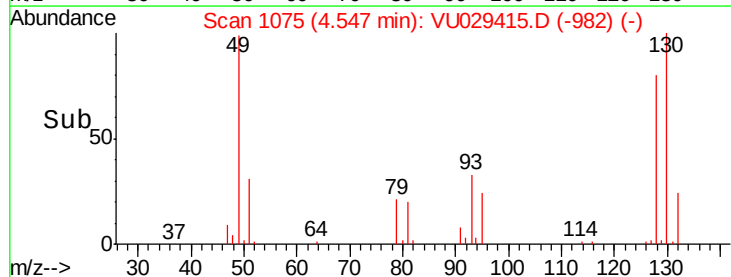
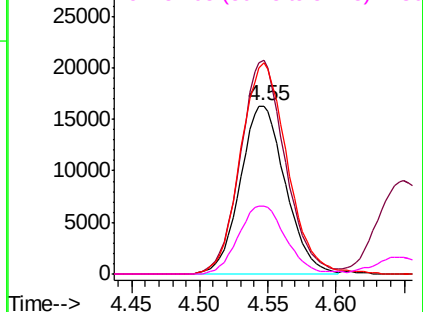
#23

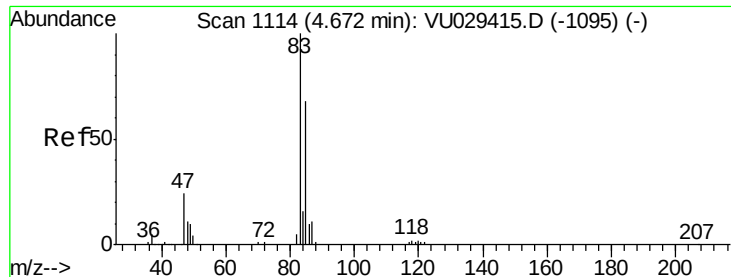
Bromochloromethane
 Concen: 5.298 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion: 128 Resp: 37512
 Ion Ratio Lower Upper
 128 100
 49 127.2 89.0 165.4
 130 125.7 88.0 163.4
 51 40.1 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

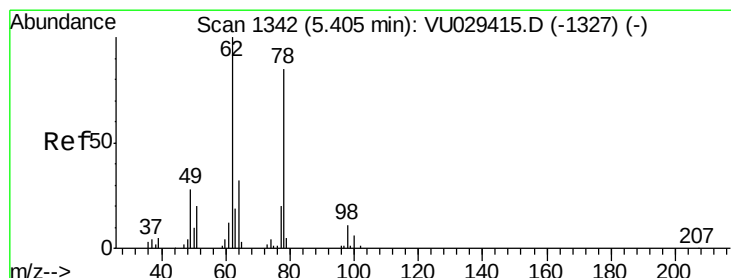
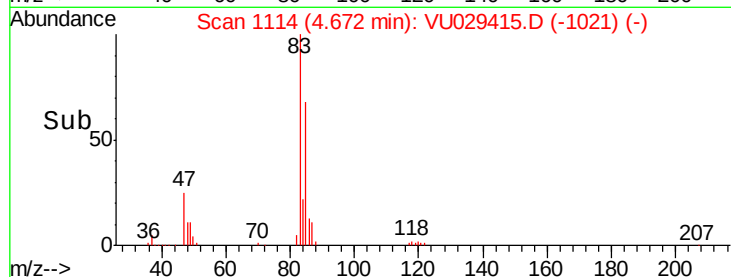
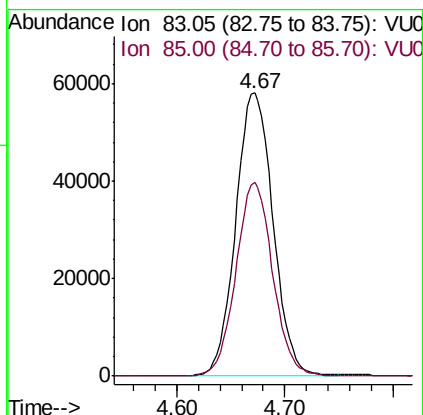
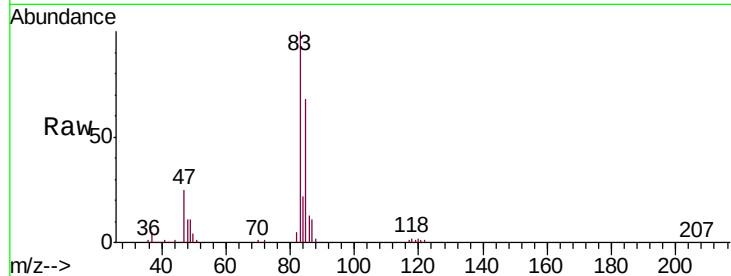




#25
Chloroform
Concen: 5.531 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029415.D
Acq: 12 Feb 2019 13:01

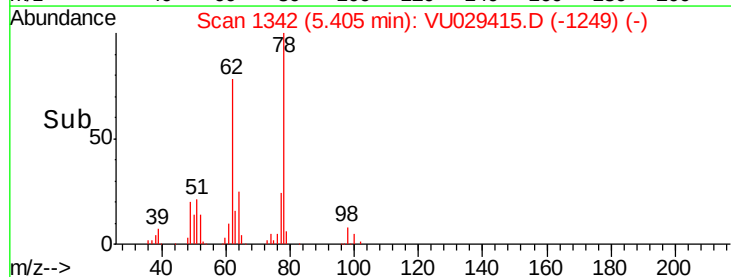
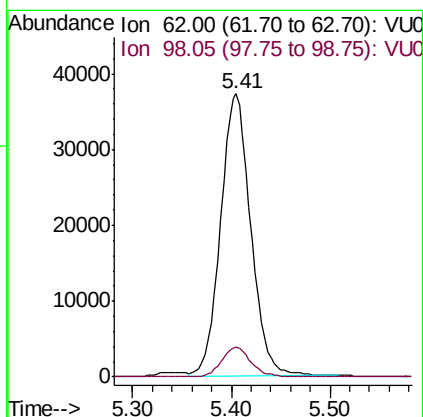
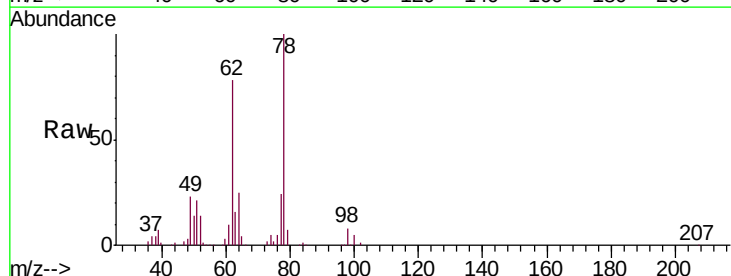
Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

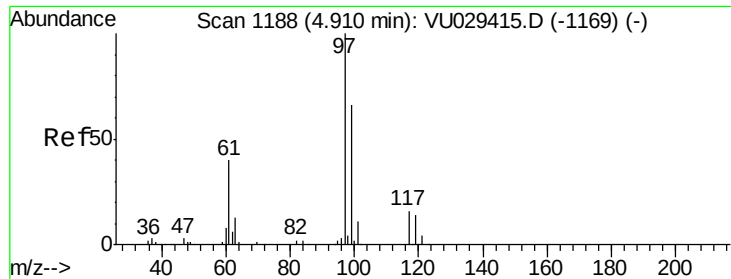
Tgt Ion: 83 Resp: 140005
Ion Ratio Lower Upper
83 100
85 68.3 47.8 88.8



#27
1,2-Dichloroethane
Concen: 5.409 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029415.D
Acq: 12 Feb 2019 13:01

Tgt Ion: 62 Resp: 79975
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6

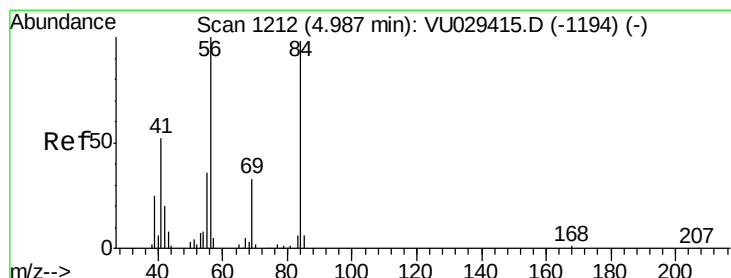
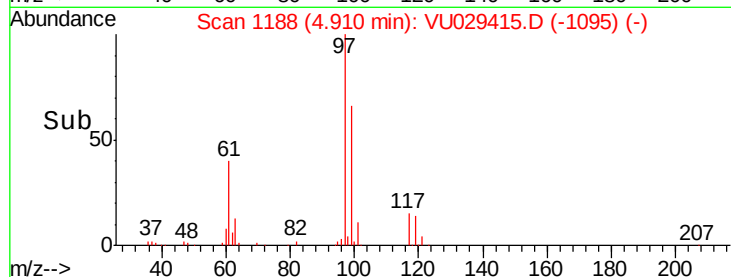
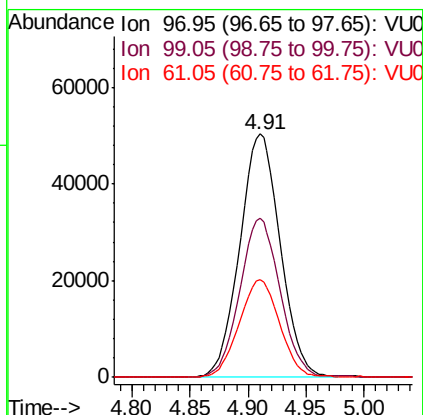
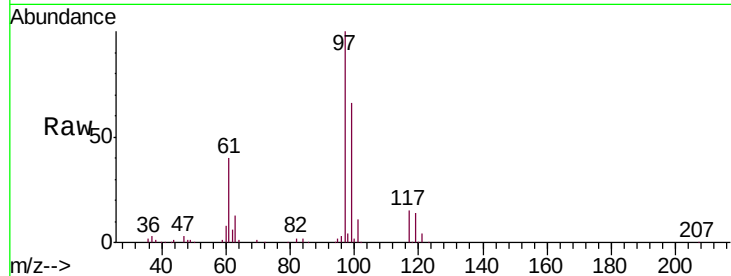




#29
 1,1,1-Trichloroethane
 Concen: 5.419 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

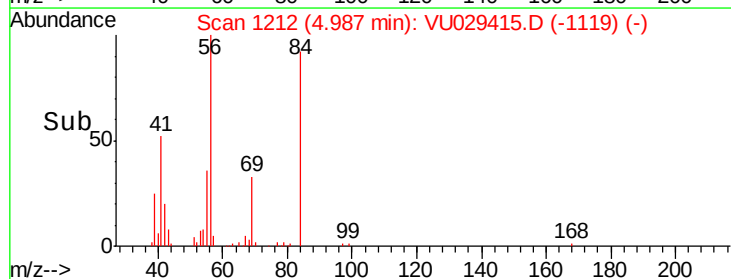
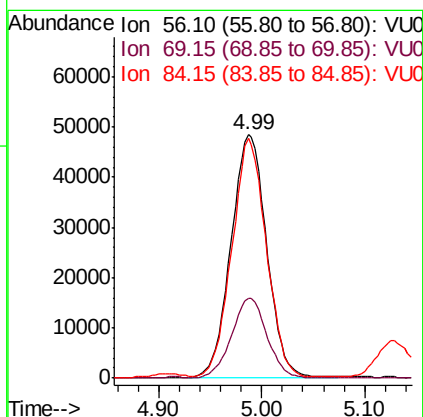
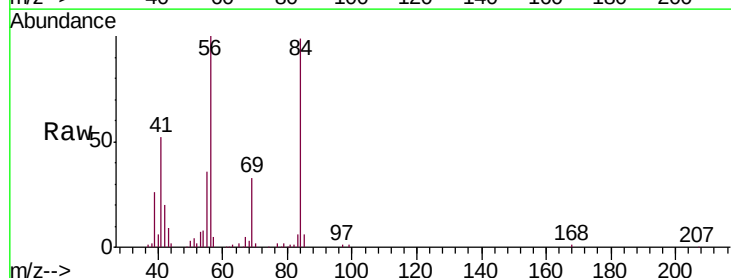
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

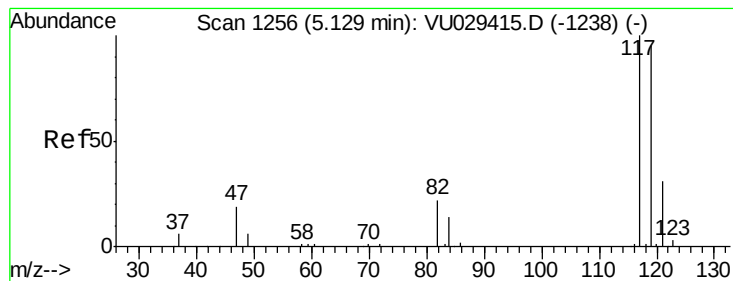
Tgt Ion: 97 Resp: 122466
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.2 78.2
 61 40.0 32.0 48.0



#30
 Cyclohexane
 Concen: 5.442 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion: 56 Resp: 117335
 Ion Ratio Lower Upper
 56 100
 69 32.2 25.8 38.6
 84 93.8 75.0 112.6





#31

Carbon tetrachloride

Concen: 5.329 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

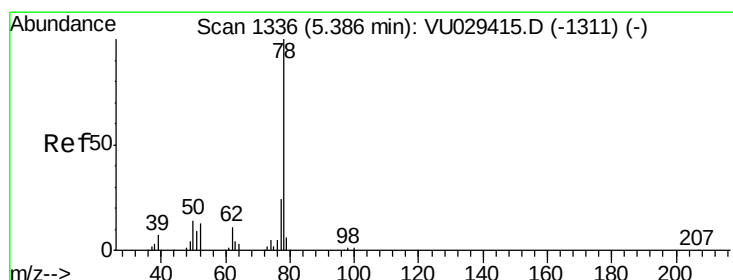
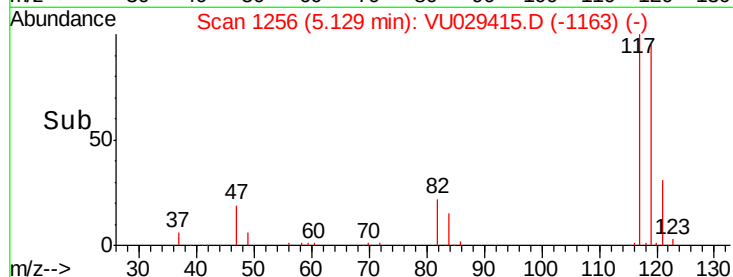
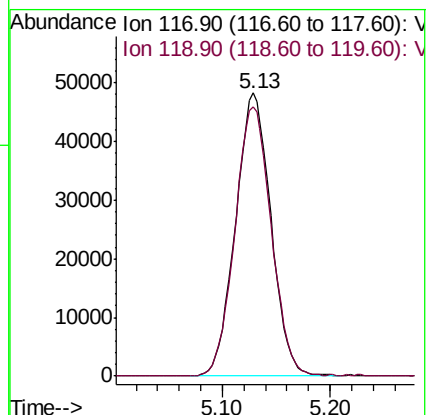
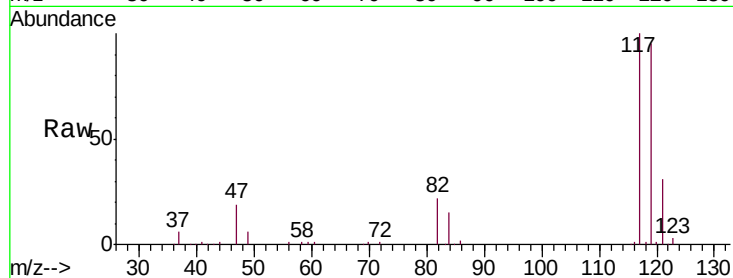
VSTD00547

Tgt Ion:117 Resp: 110253

Ion Ratio Lower Upper

117 100

119 97.6 78.1 117.1



#33

Benzene

Concen: 5.511 ug/L

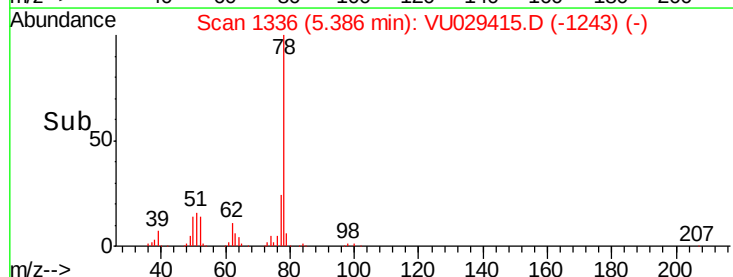
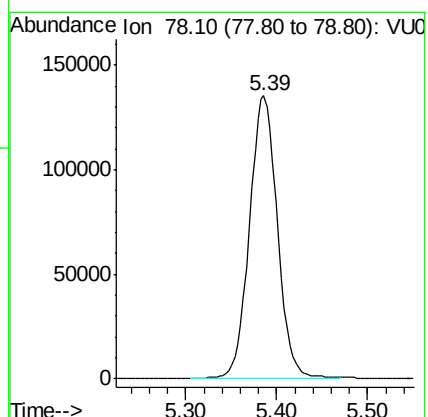
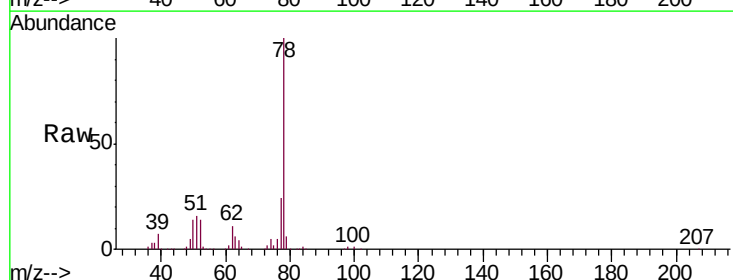
RT: 5.39 min Scan# 1336

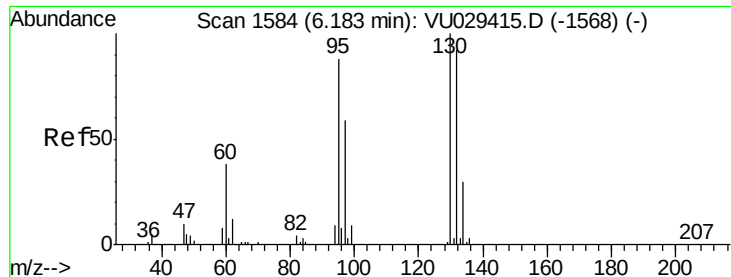
Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Tgt Ion: 78 Resp: 289370





#34

Trichloroethene

Concen: 5.416 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

Tgt Ion: 95 Resp: 80974

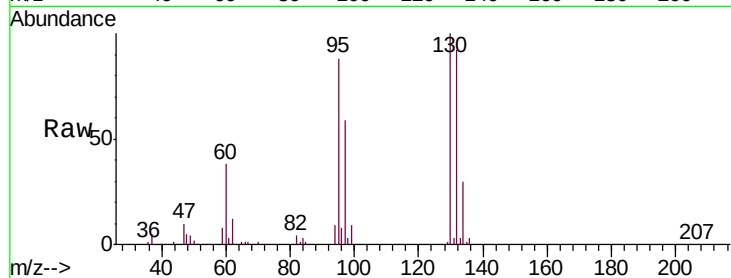
Ion Ratio Lower Upper

95 100

97 66.2 46.3 86.1

132 104.1 72.9 135.3

130 113.1 79.2 147.0

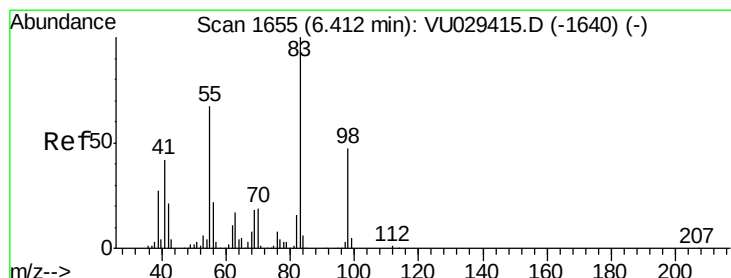
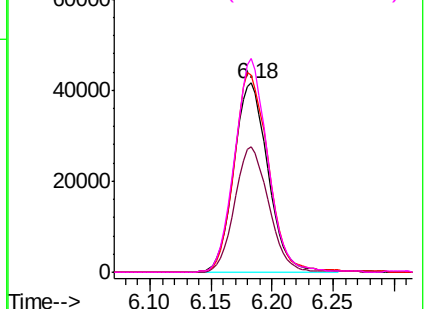
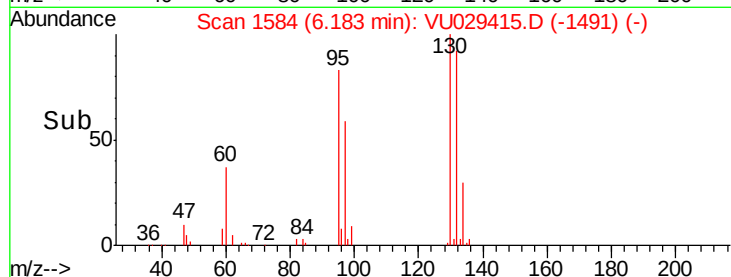


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.310 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

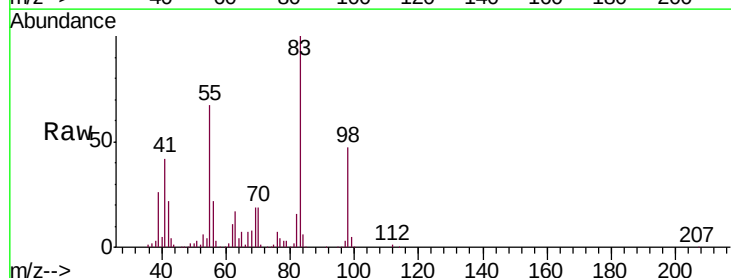
Tgt Ion: 83 Resp: 135821

Ion Ratio Lower Upper

83 100

55 69.9 55.9 83.9

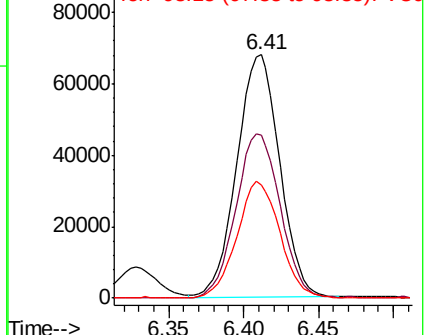
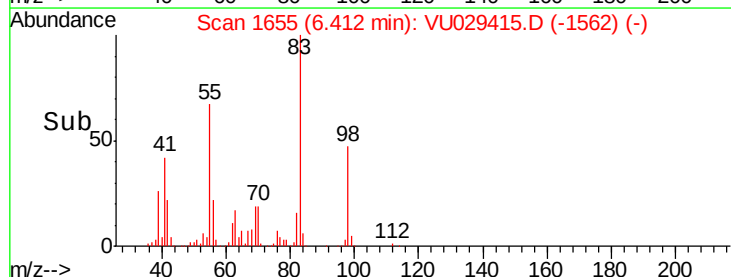
98 48.2 38.6 57.8

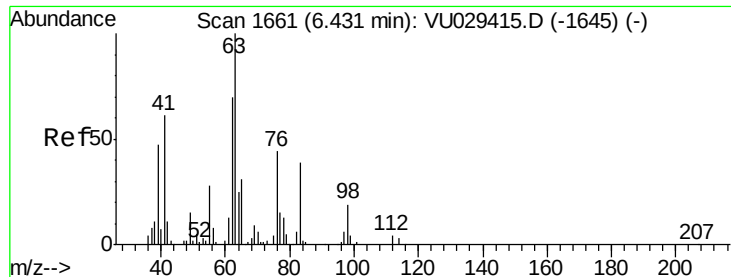


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

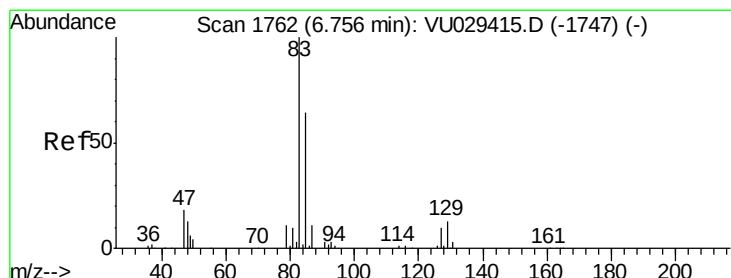
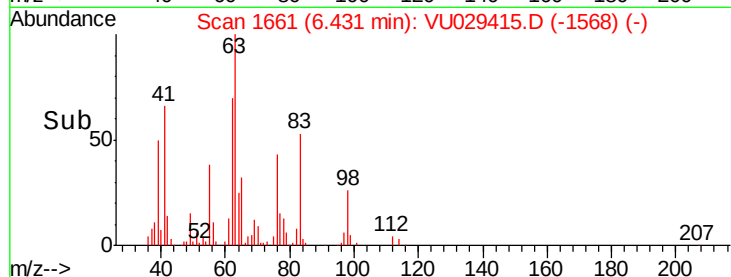
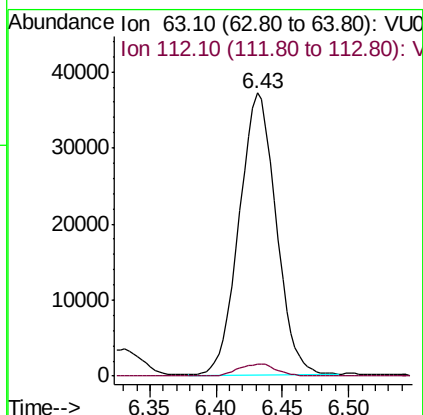
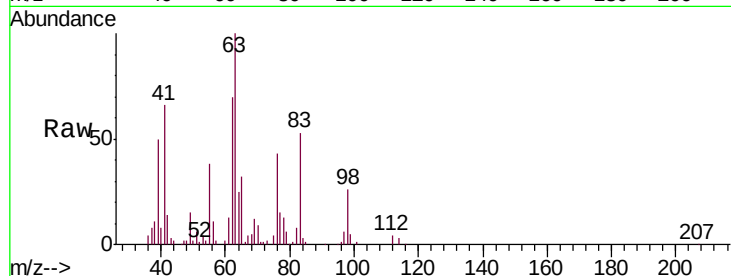




#37
 1,2-Dichloropropane
 Concen: 5.390 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

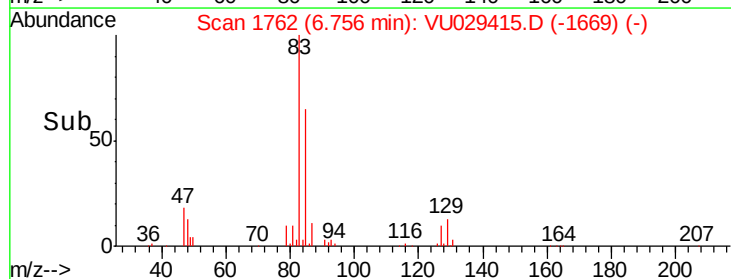
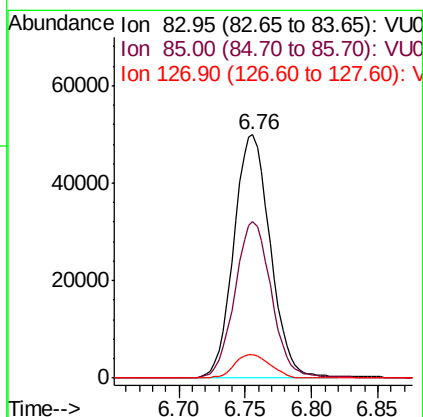
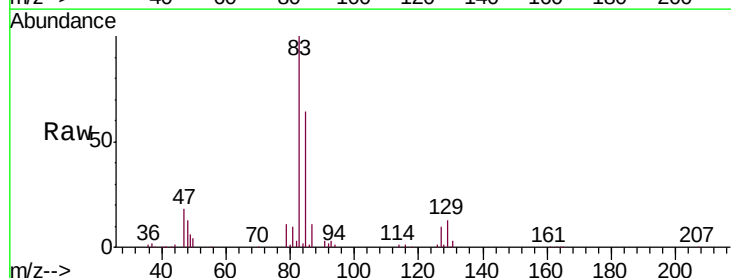
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

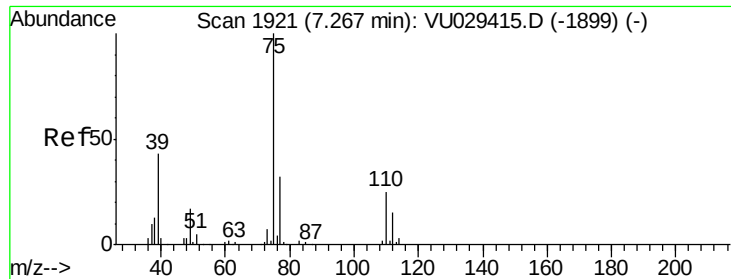
Tgt Ion: 63 Resp: 71973
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.295 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion: 83 Resp: 95871
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.7
 127 9.8 7.8 11.8

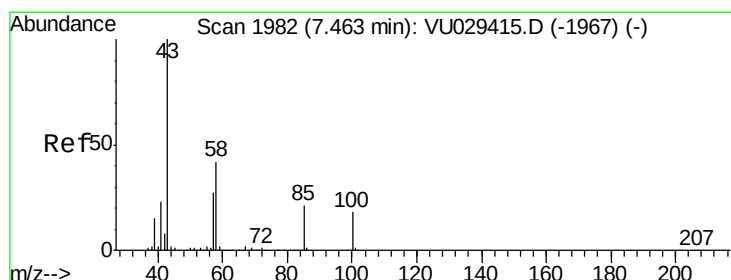
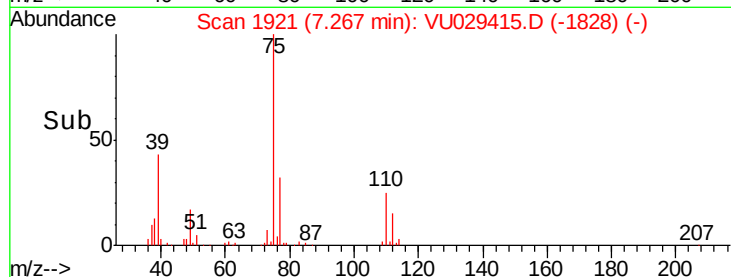
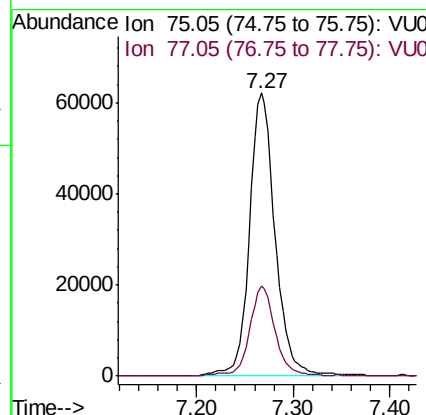
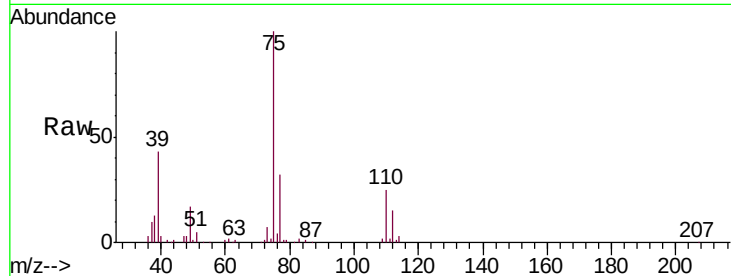




#39
 cis-1,3-Dichloropropene
 Concen: 5.325 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

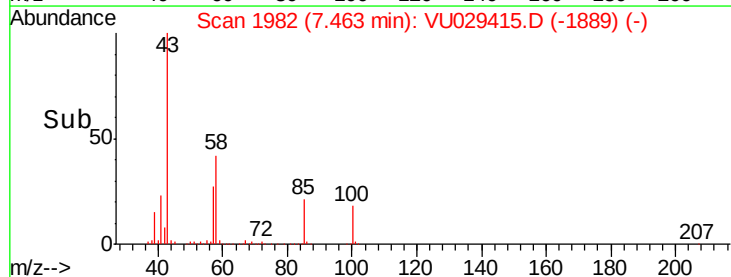
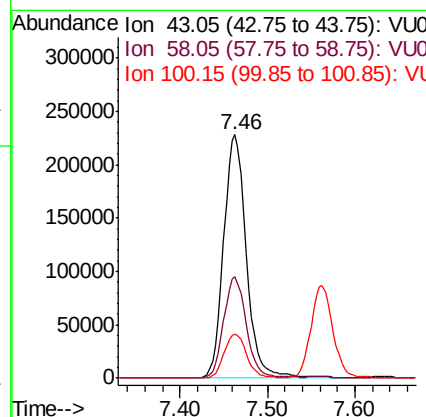
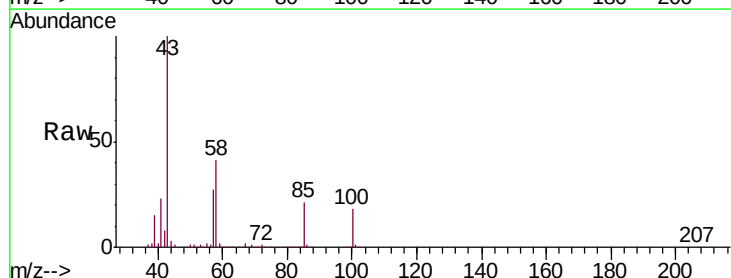
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00547

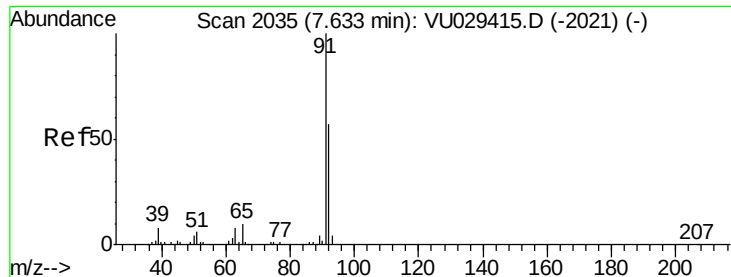
Tgt Ion: 75 Resp: 114130
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 54.795 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion: 43 Resp: 411419
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.4 50.2
 100 18.0 14.4 21.6





#42

Toluene

Concen: 5.461 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

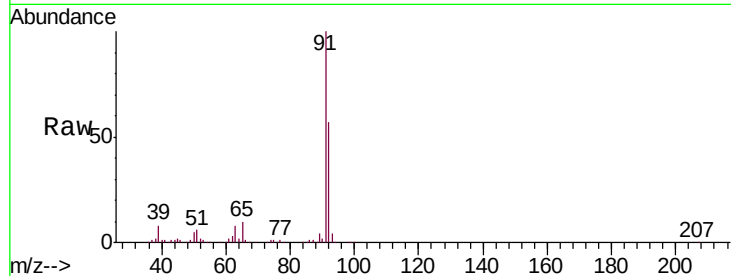
VSTD00547

Tgt Ion: 91 Resp: 327086

Ion Ratio Lower Upper

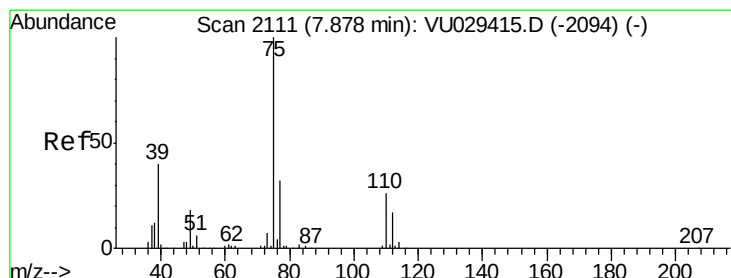
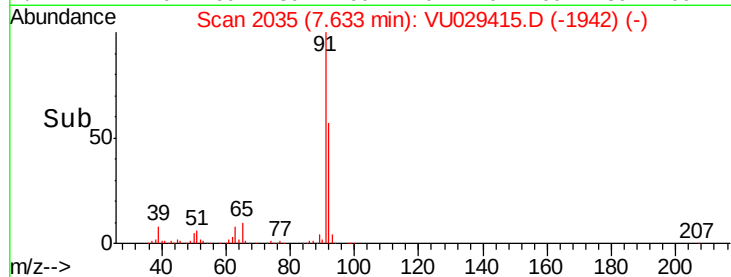
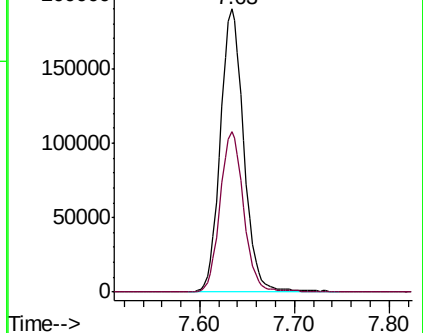
91 100

92 56.8 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.241 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029415.D

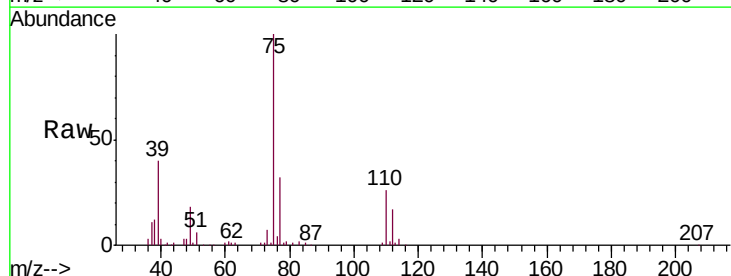
Acq: 12 Feb 2019 13:01

Tgt Ion: 75 Resp: 93123

Ion Ratio Lower Upper

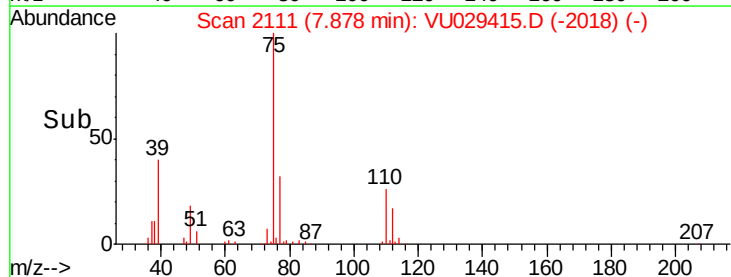
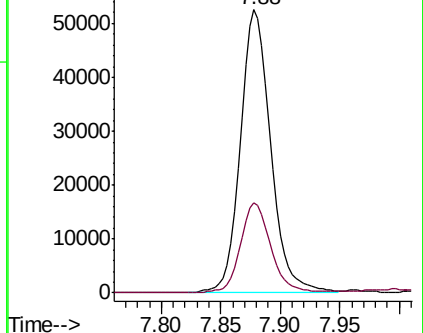
75 100

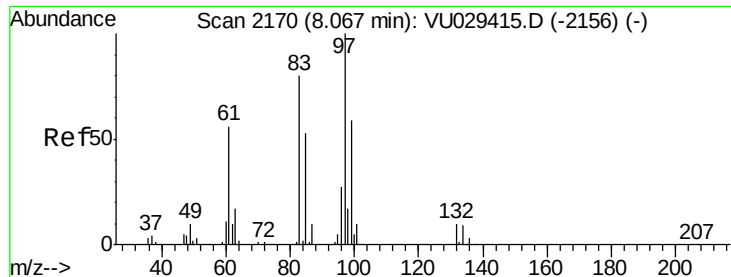
77 31.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

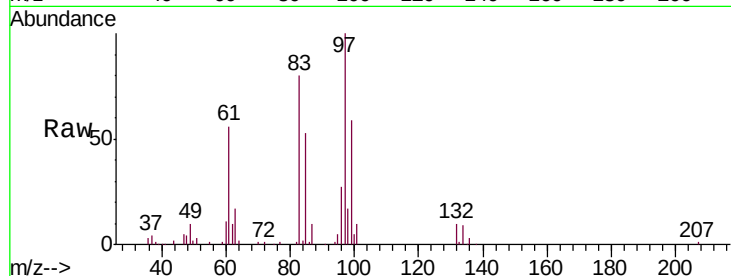




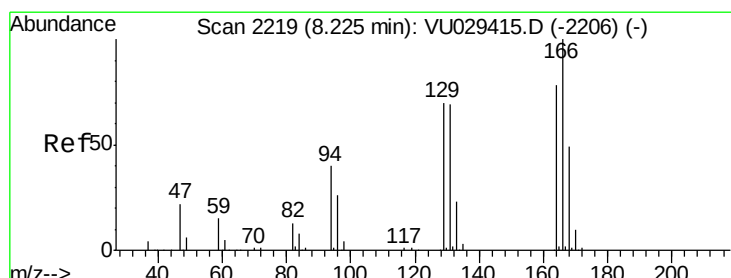
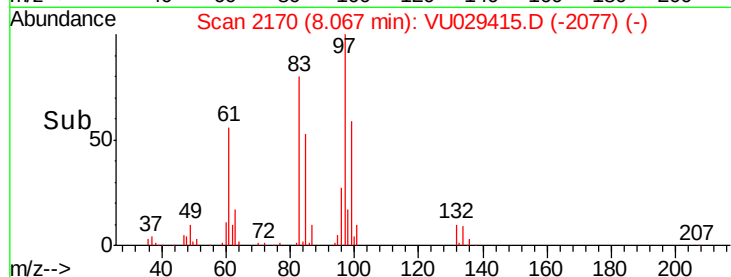
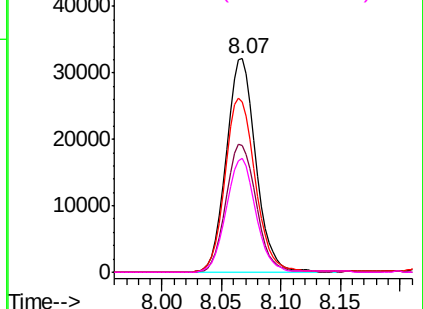
#45
 1,1,2-Trichloroethane
 Concen: 5.374 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion:	97	Resp:	55657
Ion	Ratio	Lower	Upper
97	100		
99	59.4	41.6	77.2
83	79.7	55.8	103.6
85	53.1	37.2	69.0

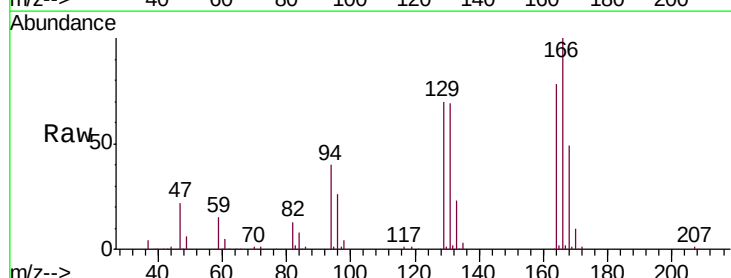


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

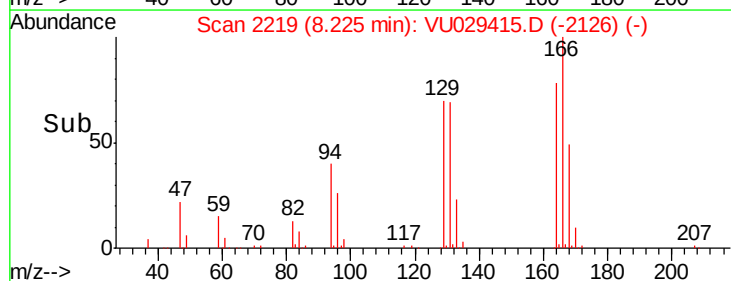
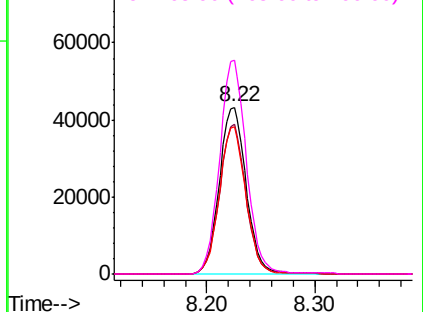


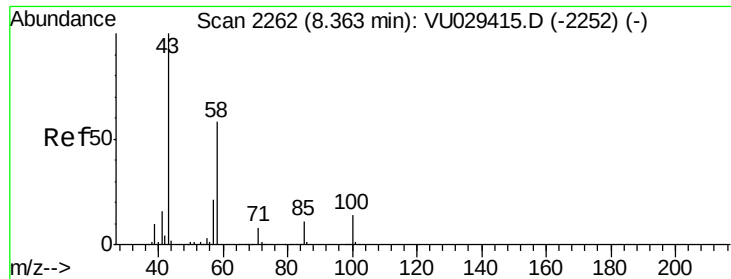
#47
 Tetrachloroethene
 Concen: 5.406 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion:	164	Resp:	75068
Ion	Ratio	Lower	Upper
164	100		
129	89.9	62.9	116.9
131	88.7	62.1	115.3
166	128.3	89.8	166.8



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

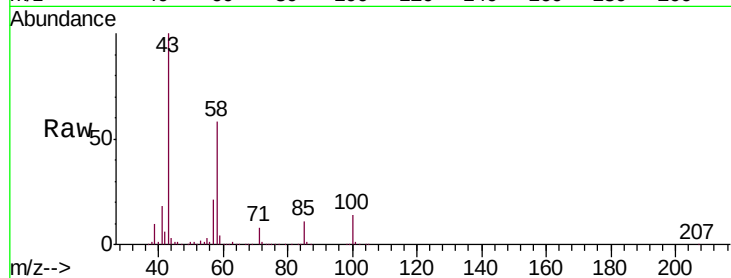




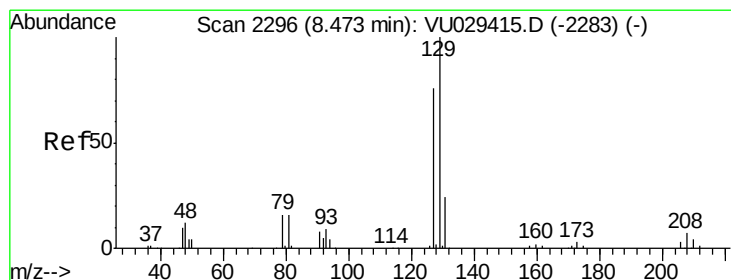
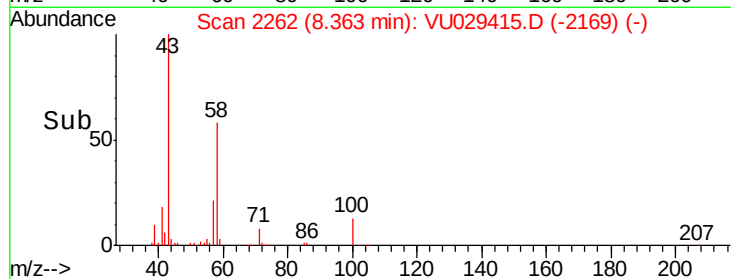
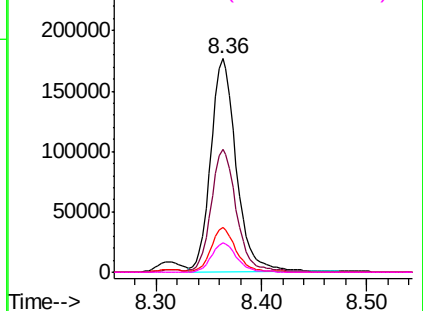
#48
2-Hexanone
Concen: 56.732 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029415.D
Acq: 12 Feb 2019 13:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

Tgt Ion:	43	Resp:	297122
Ion	Ratio	Lower	Upper
43	100		
58	57.1	45.7	68.5
57	20.5	16.4	24.6
100	13.9	11.1	16.7

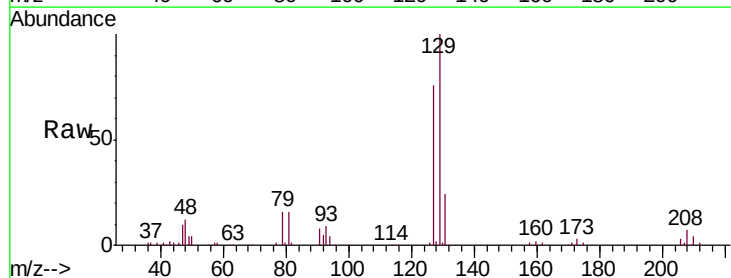


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

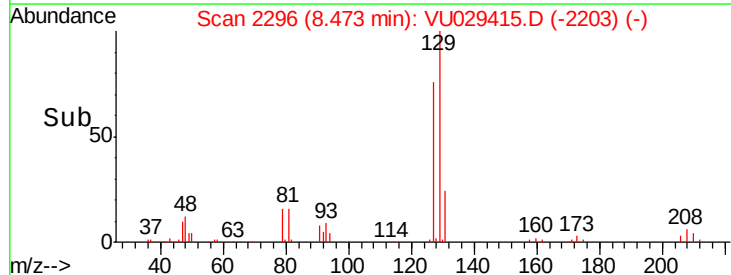
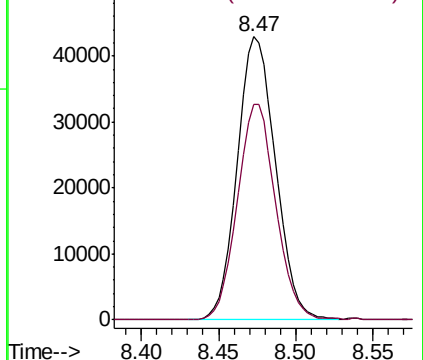


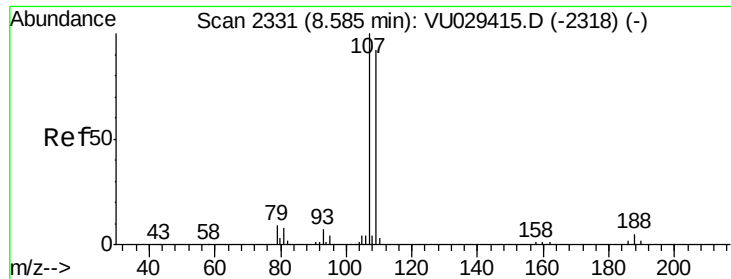
#49
Dibromochloromethane
Concen: 5.255 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029415.D
Acq: 12 Feb 2019 13:01

Tgt Ion:	129	Resp:	74021
Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.3	99.1



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

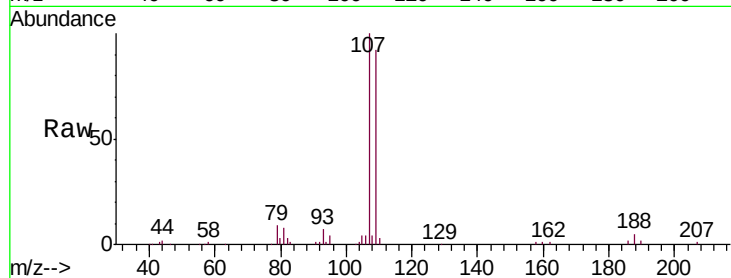




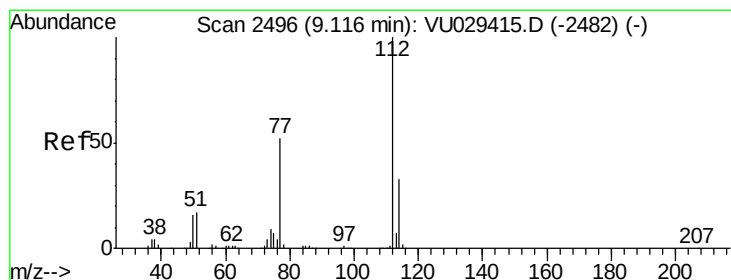
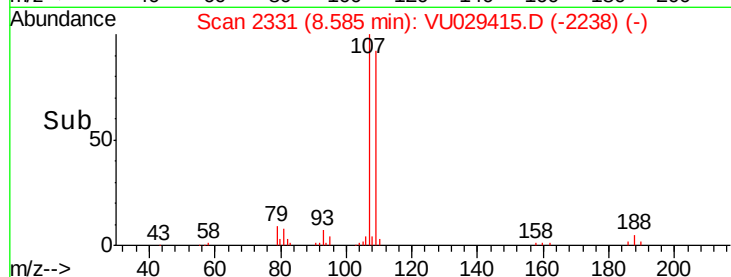
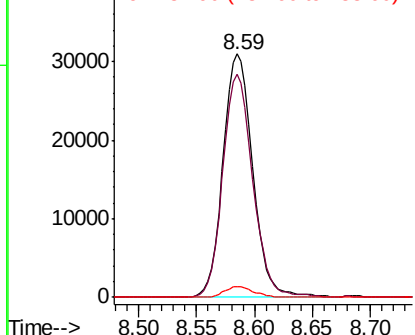
#50
1,2-Dibromoethane
Concen: 5.451 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029415.D
Acq: 12 Feb 2019 13:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00547

Tgt Ion:107 Resp: 54848
Ion Ratio Lower Upper
107 100
109 91.6 64.1 119.1
188 4.6 3.7 5.5

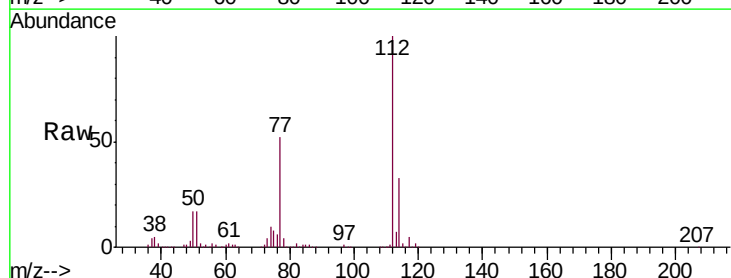


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

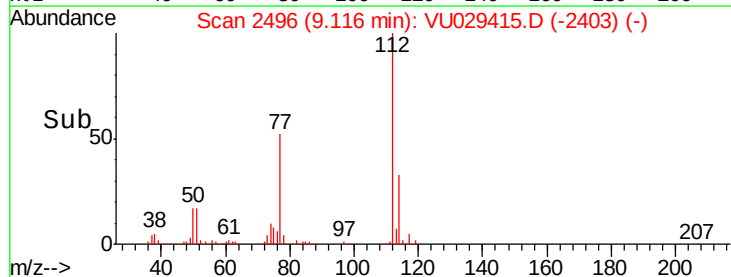
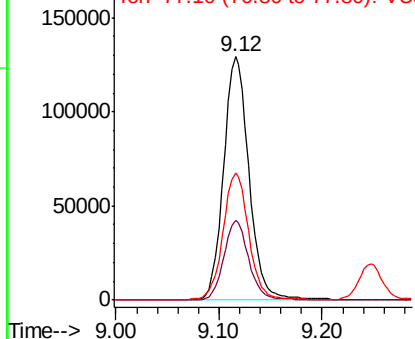


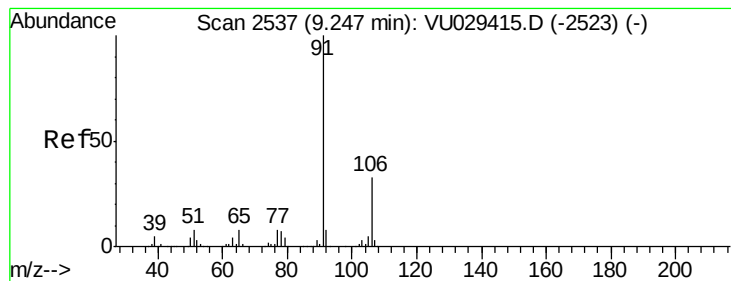
#51
Chlorobenzene
Concen: 5.378 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029415.D
Acq: 12 Feb 2019 13:01

Tgt Ion:112 Resp: 221919
Ion Ratio Lower Upper
112 100
114 32.7 22.9 42.5
77 52.2 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): VU





#52

Ethylbenzene

Concen: 5.383 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

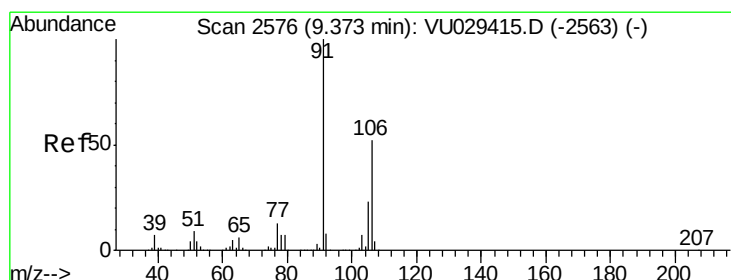
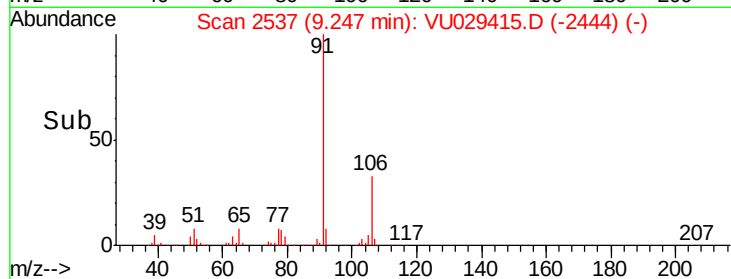
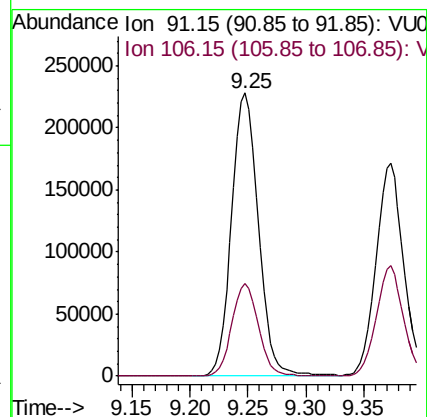
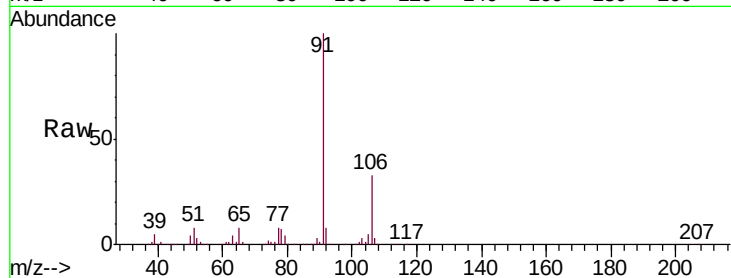
VSTD00547

Tgt Ion: 91 Resp: 366286

Ion Ratio Lower Upper

91 100

106 32.6 22.8 42.4



#53

m,p-xylene

Concen: 5.325 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029415.D

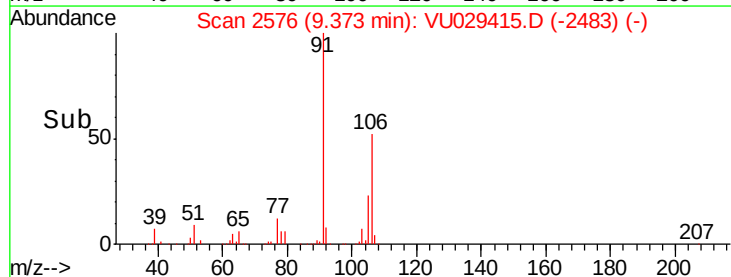
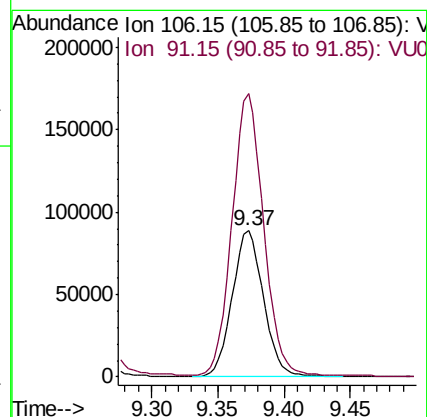
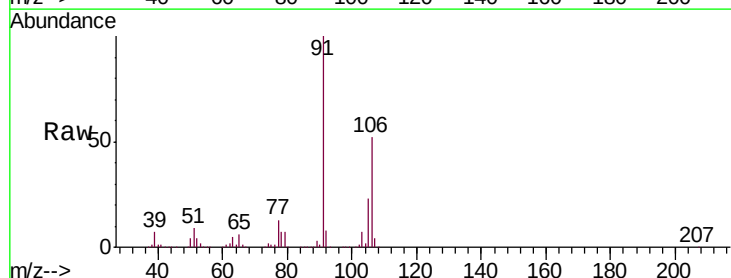
Acq: 12 Feb 2019 13:01

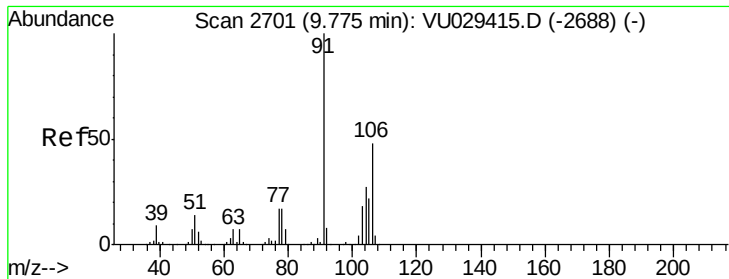
Tgt Ion: 106 Resp: 144456

Ion Ratio Lower Upper

106 100

91 193.8 135.7 251.9





#54

o-xylene

Concen: 5.422 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

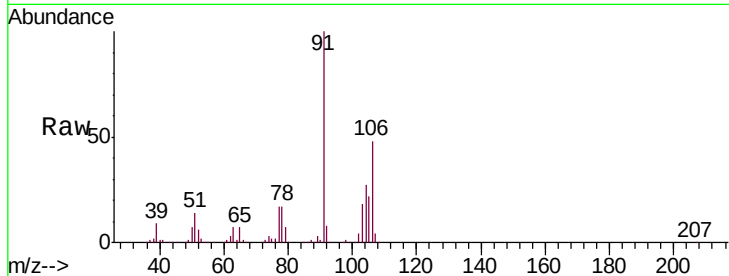
VSTD00547

Tgt Ion:106 Resp: 143506

Ion Ratio Lower Upper

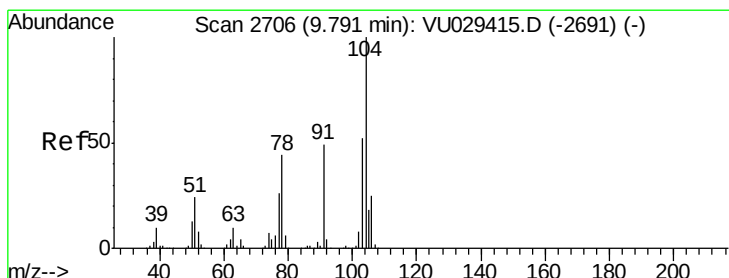
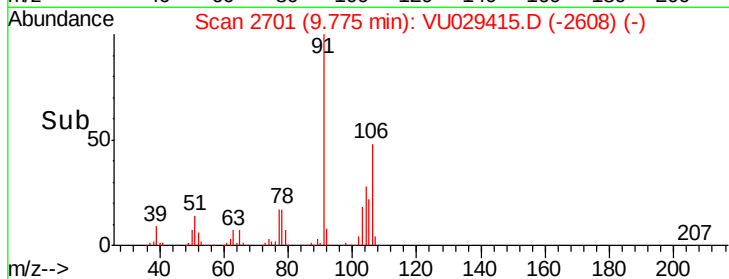
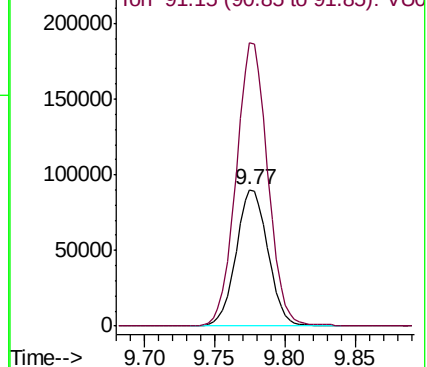
106 100

91 207.3 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.396 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029415.D

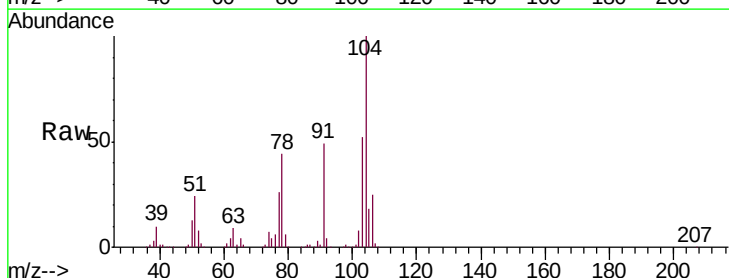
Acq: 12 Feb 2019 13:01

Tgt Ion:104 Resp: 236894

Ion Ratio Lower Upper

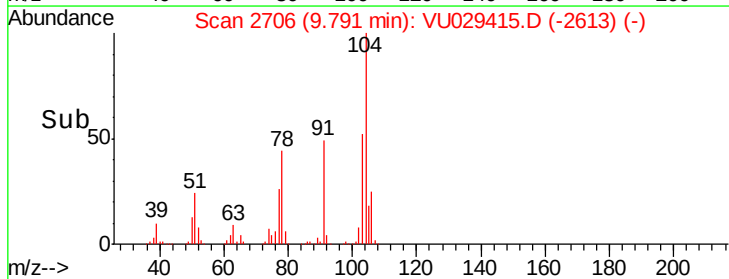
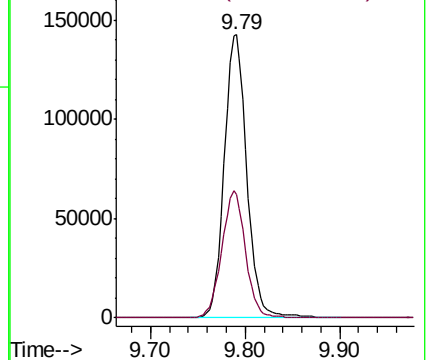
104 100

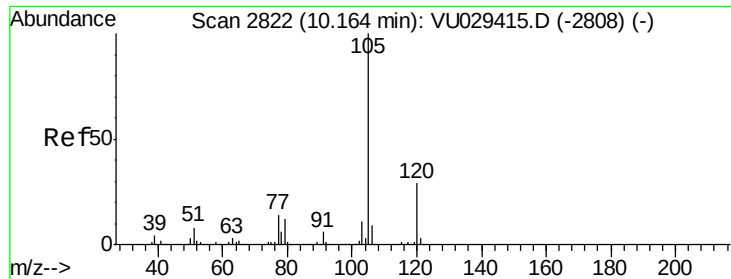
78 43.6 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.427 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

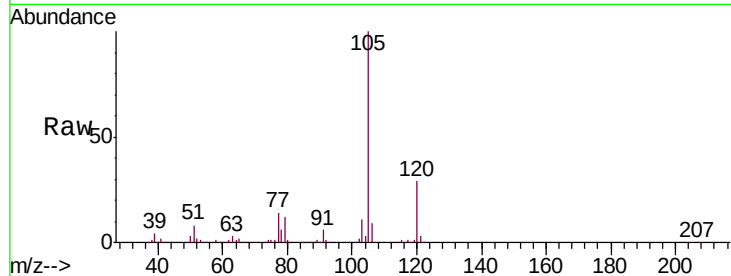
Tgt Ion: 105 Resp: 380364

Ion Ratio Lower Upper

105 100

120 27.8 22.2 33.4

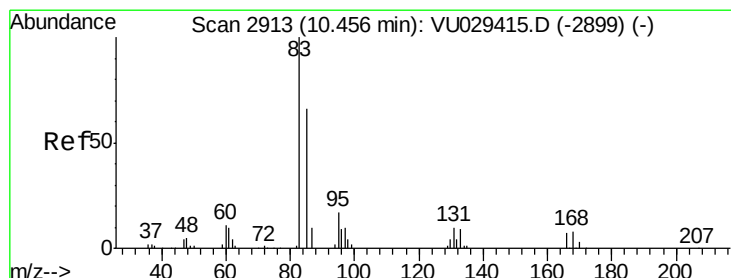
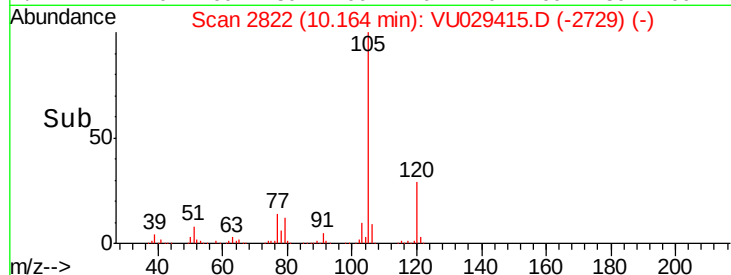
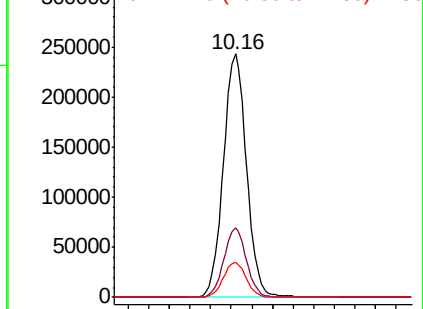
77 14.4 11.5 17.3



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: 5.298 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

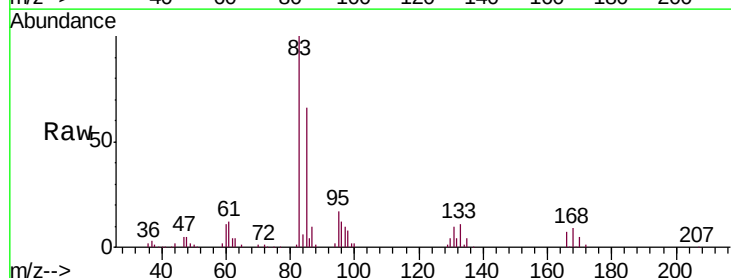
Tgt Ion: 83 Resp: 67178

Ion Ratio Lower Upper

83 100

85 66.4 46.5 86.3

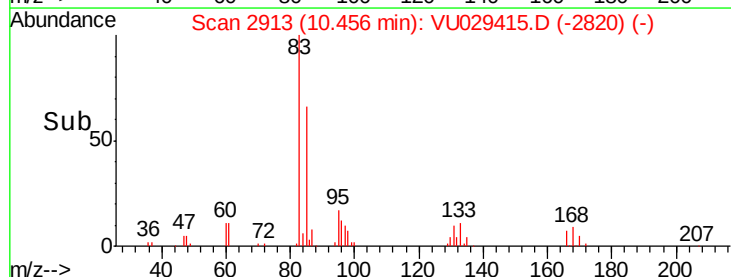
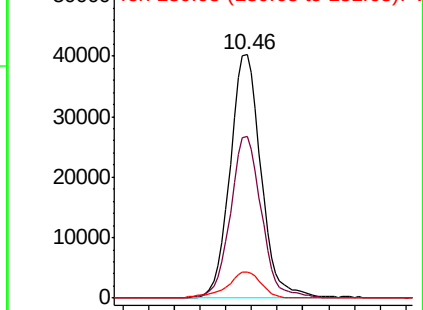
131 10.4 8.3 12.5

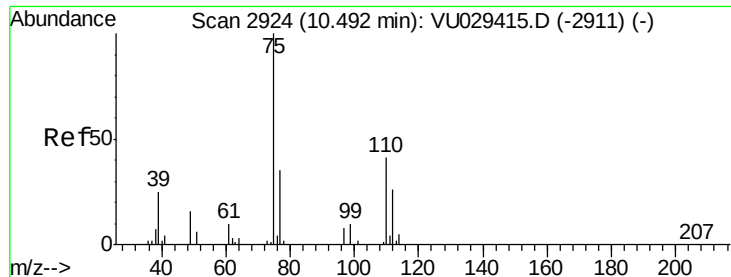


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

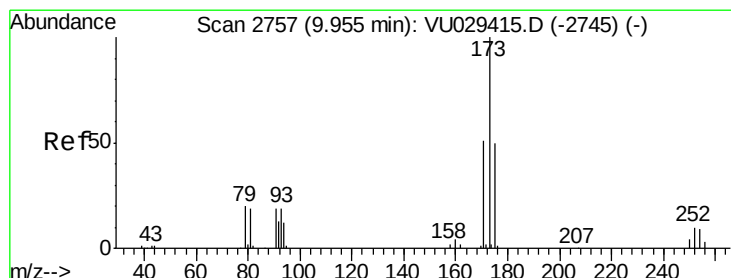
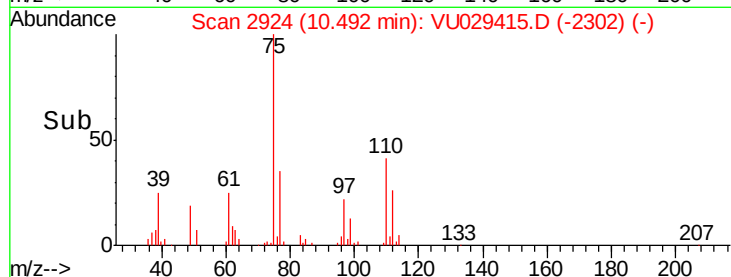
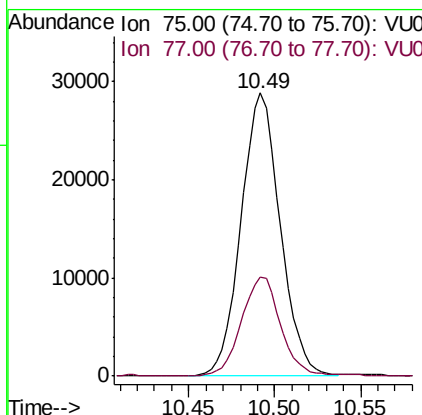
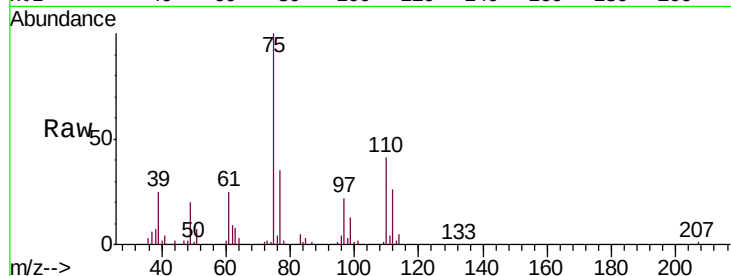




#59
 1,2,3-Trichloropropane
 Concen: 5.399 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

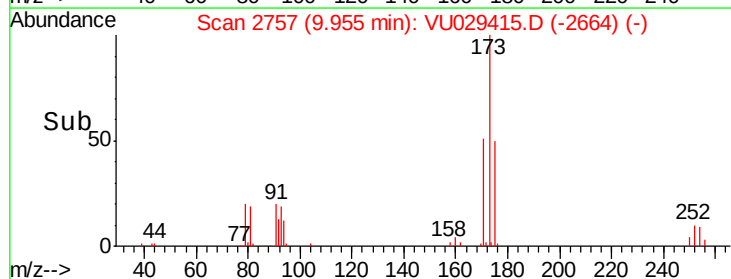
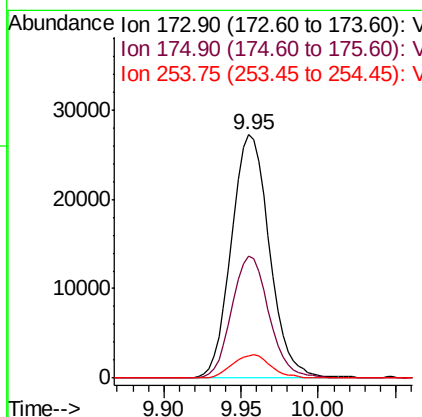
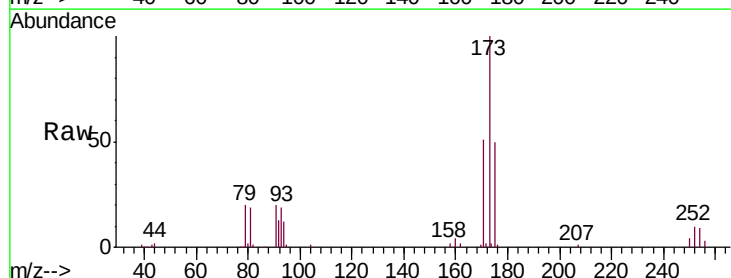
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

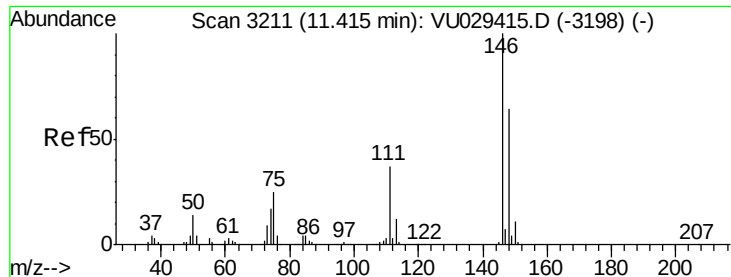
Tgt Ion: 75 Resp: 45599
 Ion Ratio Lower Upper
 75 100
 77 35.2 28.2 42.2



#61
 Bromoform
 Concen: 5.210 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion: 173 Resp: 46460
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.2 58.8
 254 9.7 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 5.373 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

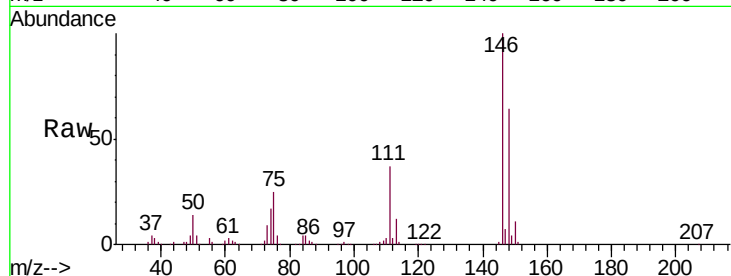
Tgt Ion:146 Resp: 189898

Ion Ratio Lower Upper

146 100

111 37.3 26.1 48.5

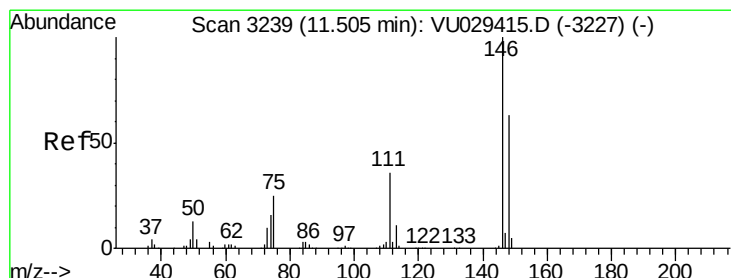
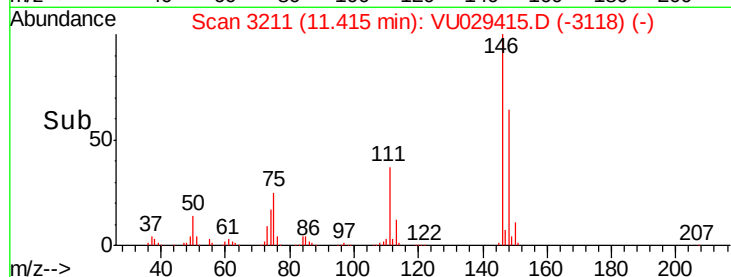
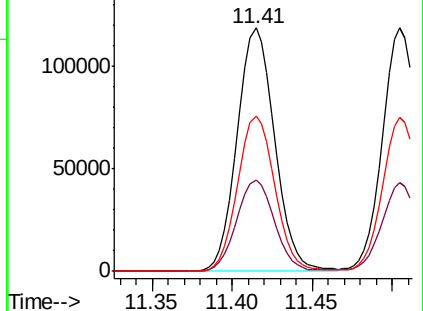
148 63.8 44.7 82.9



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: 5.280 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

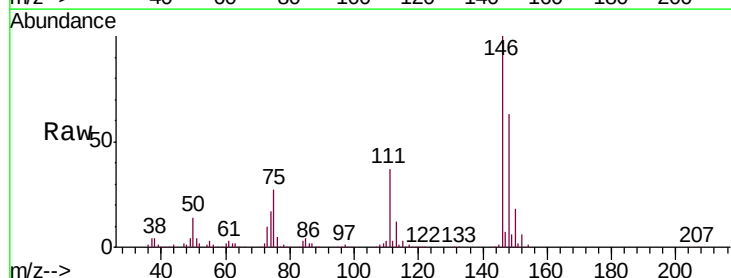
Tgt Ion:146 Resp: 189413

Ion Ratio Lower Upper

146 100

111 36.6 25.6 47.6

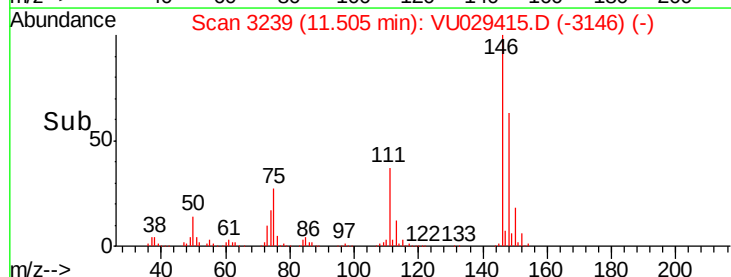
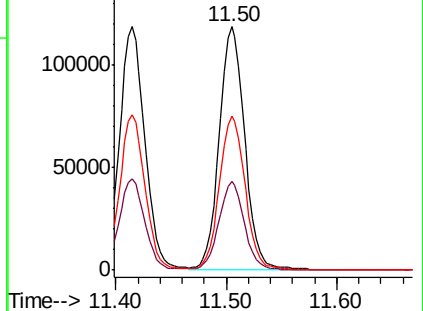
148 63.1 44.2 82.0

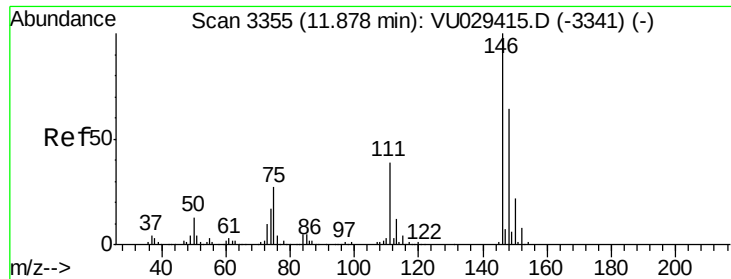


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

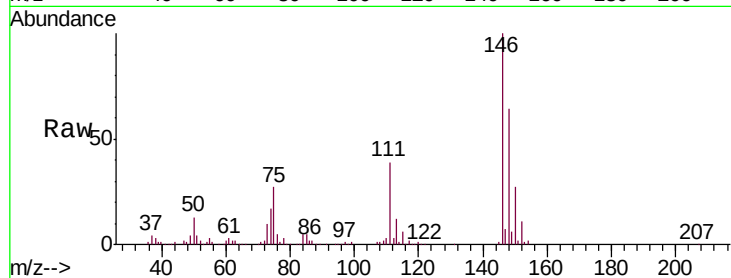




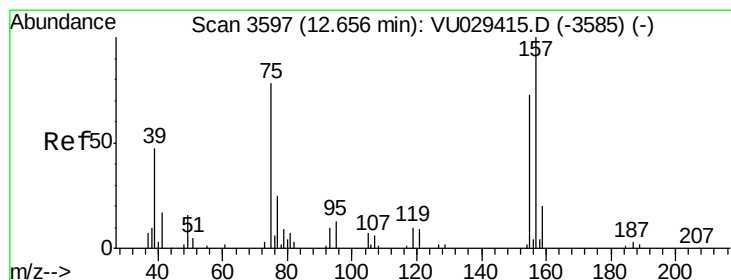
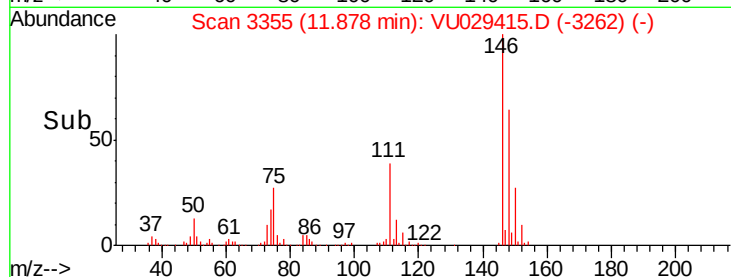
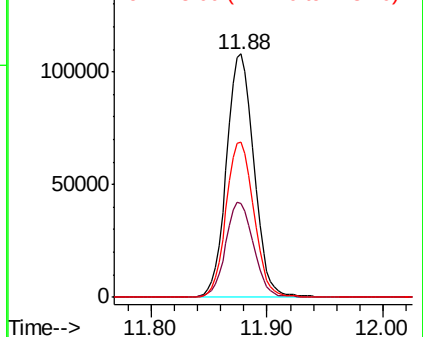
#65
 1,2-Dichlorobenzene
 Concen: 5.350 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion:146 Resp: 177323
 Ion Ratio Lower Upper
 146 100
 111 38.6 30.9 46.3
 148 63.7 51.0 76.4

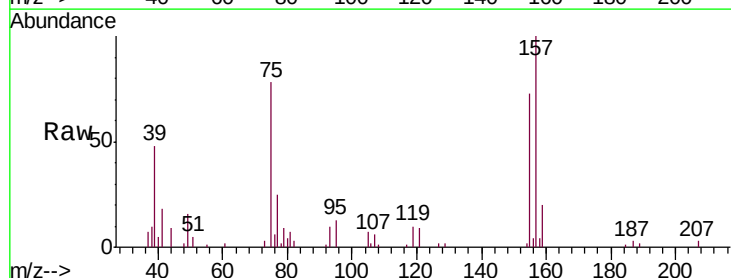


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

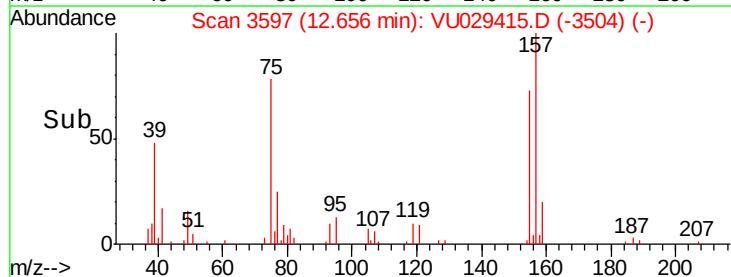
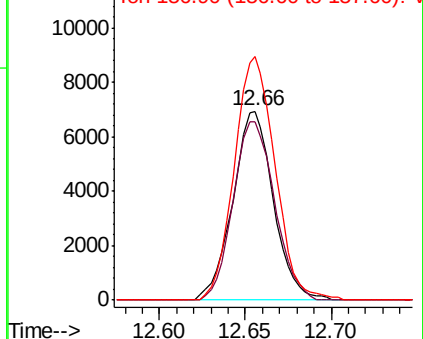


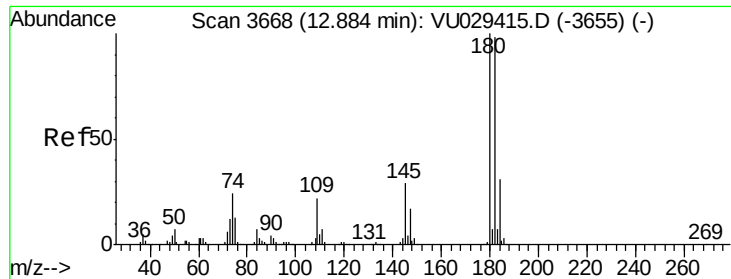
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.164 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion: 75 Resp: 11372
 Ion Ratio Lower Upper
 75 100
 155 94.1 75.3 112.9
 157 128.7 103.0 154.4



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

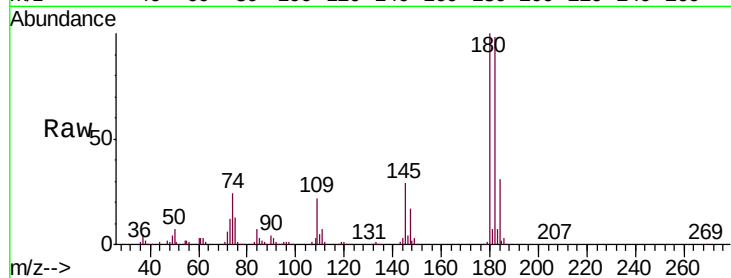




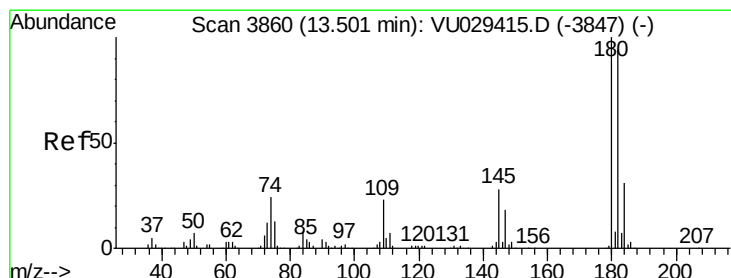
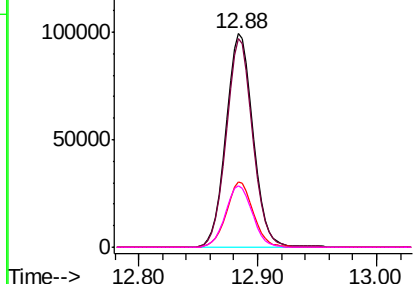
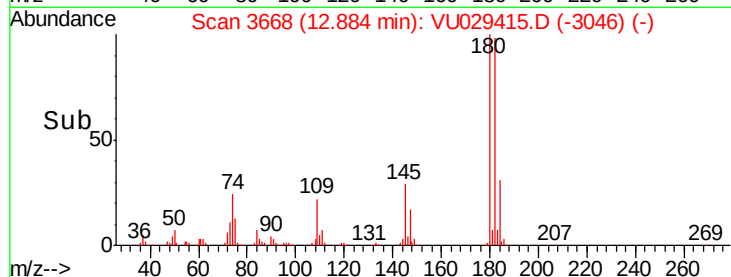
#67
 1,3,5-Trichlorobenzene
 Concen: 5.365 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00547

Tgt Ion:180 Resp: 156740
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.0 114.0
 184 30.1 24.1 36.1
 145 28.3 22.6 34.0

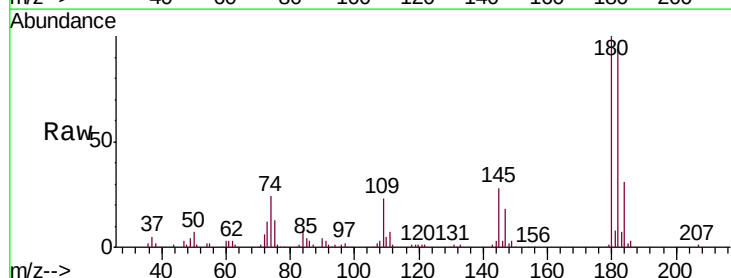


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

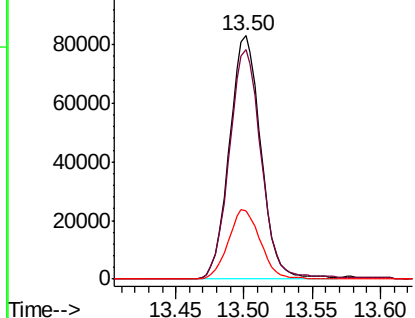
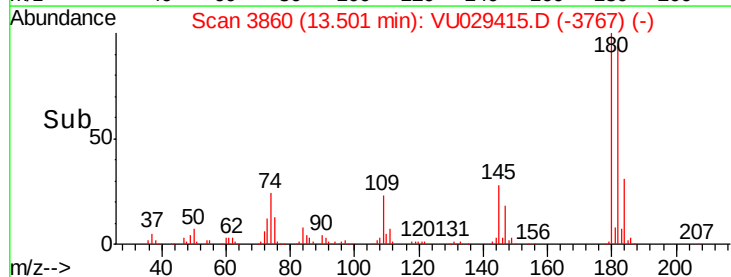


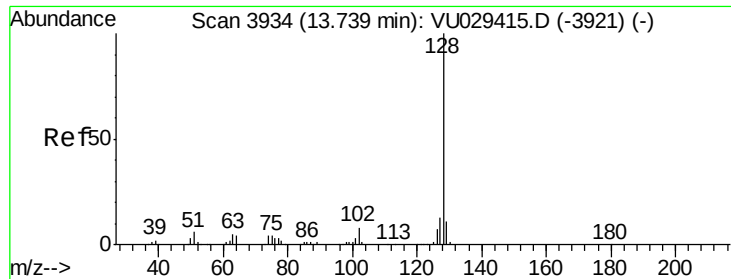
#68
 1,2,4-trichlorobenzene
 Concen: 5.260 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029415.D
 Acq: 12 Feb 2019 13:01

Tgt Ion:180 Resp: 133449
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.1 115.7
 145 28.9 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: 5.639 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00547

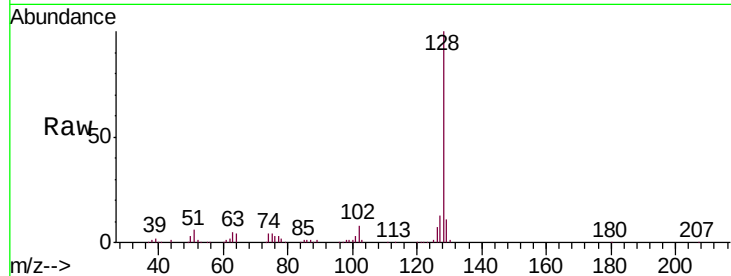
Tgt Ion:128 Resp: 223703

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

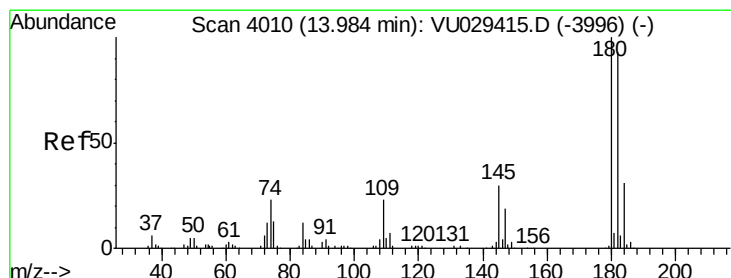
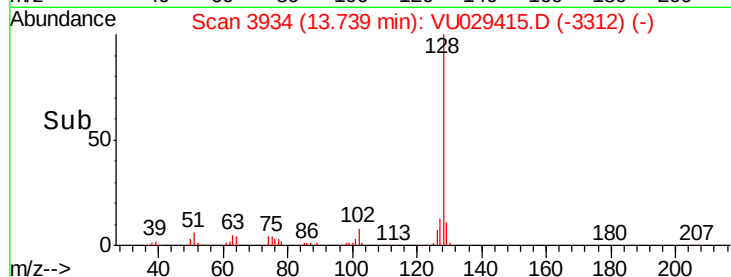
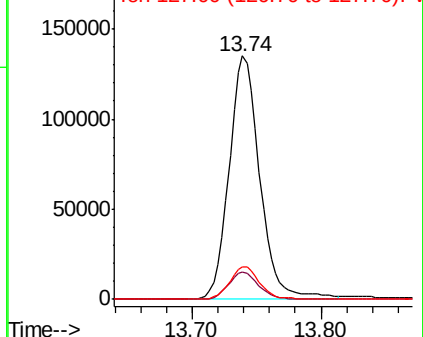
127 12.9 10.3 15.5



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: 5.416 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029415.D

Acq: 12 Feb 2019 13:01

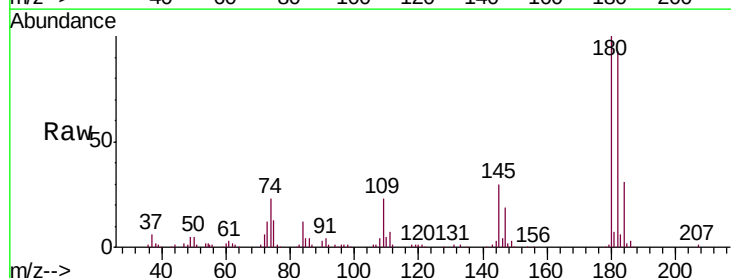
Tgt Ion:180 Resp: 124810

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 29.7 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

