

Data File : VU029219.D
Acq On : 18 Jan 2019 13:17
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Quant Time: Jan 18 23:10:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 18 23:01:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	138346	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	137779	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	66895	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	35574	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.68	69	30183	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.27	63	73287	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.20	46	107222	55.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.82%
24) Chloroform-d	4.65	84	75408	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.31	65	36593	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.34	84	145739	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.33	67	49868	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.56	98	137473	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	7.85	79	18877	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.31	63	89602	50.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39604	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	48769	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	63083	5.206	ug/L 100
3) Chloromethane	1.32	50	67920	5.024	ug/L 99
5) Vinyl chloride	1.40	62	73533	5.323	ug/L 97
6) Bromomethane	1.63	94	31274	4.890	ug/L 97
8) Chloroethane	1.70	64	42481	5.389	ug/L 98
9) Trichlorofluoromethane	1.88	101	77413	4.901	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	48717	4.779	ug/L 97
12) 1,1-Dichloroethene	2.28	96	44732	4.513	ug/L 85
13) Acetone	2.34	43	85018	54.431	ug/L 97
14) Carbon disulfide	2.48	76	161910	4.675	ug/L 98
15) Methyl Acetate	2.62	43	22577	4.933	ug/L 95
16) Methylene chloride	2.70	84	50523	3.560	ug/L 93
17) Methyl tert-butyl Ether	3.00	73	113693	4.671	ug/L 94
18) trans-1,2-Dichloroethene	2.98	96	49528	4.551	ug/L 92
19) 1,1-Dichloroethane	3.44	63	93353	5.053	ug/L 97
21) 2-Butanone	4.29	43	142217	60.858	ug/L 93
22) cis-1,2-Dichloroethene	4.22	96	55283	4.910	ug/L 95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	24234	5.305	ug/L	96
25) Chloroform	4.67	83	95841	5.460	ug/L	99
27) 1,2-Dichloroethane	5.40	62	57191	5.507	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	77908	5.149	ug/L	98
30) Cyclohexane	4.99	56	84379	4.654	ug/L	95
31) Carbon tetrachloride	5.13	117	63104	5.237	ug/L	99
33) Benzene	5.39	78	222248	5.045	ug/L	100
34) Trichloroethene	6.18	95	54312	4.822	ug/L	95
35) Methylcyclohexane	6.41	83	87675	4.531	ug/L	95
37) 1,2-Dichloropropane	6.43	63	60134	5.358	ug/L	99
38) Bromodichloromethane	6.75	83	67169	5.316	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	77627	4.824	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	342131	57.287	ug/L	95
42) Toluene	7.63	91	227328	4.820	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	64372	5.133	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	39581	5.182	ug/L	97
47) Tetrachloroethene	8.22	164	43633	4.677	ug/L	97
48) 2-Hexanone	8.36	43	245137	59.338	ug/L	95
49) Dibromochloromethane	8.47	129	43084	5.313	ug/L	100
50) 1,2-Dibromoethane	8.58	107	36167	5.062	ug/L	95
51) Chlorobenzene	9.12	112	140042	4.734	ug/L	95
52) Ethylbenzene	9.25	91	234712	4.691	ug/L	97
53) m,p-xylene	9.37	106	88242	4.635	ug/L	98
54) o-xylene	9.78	106	85547	4.629	ug/L	97
55) Styrene	9.79	104	148343	4.823	ug/L	99
56) Isopropylbenzene	10.16	105	223581	4.587	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	51674	5.526	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	35279	5.392	ug/L	99
61) Bromoform	9.96	173	25161	5.513	ug/L	95
62) 1,3-Dichlorobenzene	11.41	146	104823	4.636	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	110008	4.767	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	103089	4.818	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	6896	5.458	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	85837	4.906	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	68402	4.691	ug/L	99
69) Naphthalene	13.74	128	110165	4.417	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	64633	4.647	ug/L	99

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

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ClientSampleId :
VSTD00556

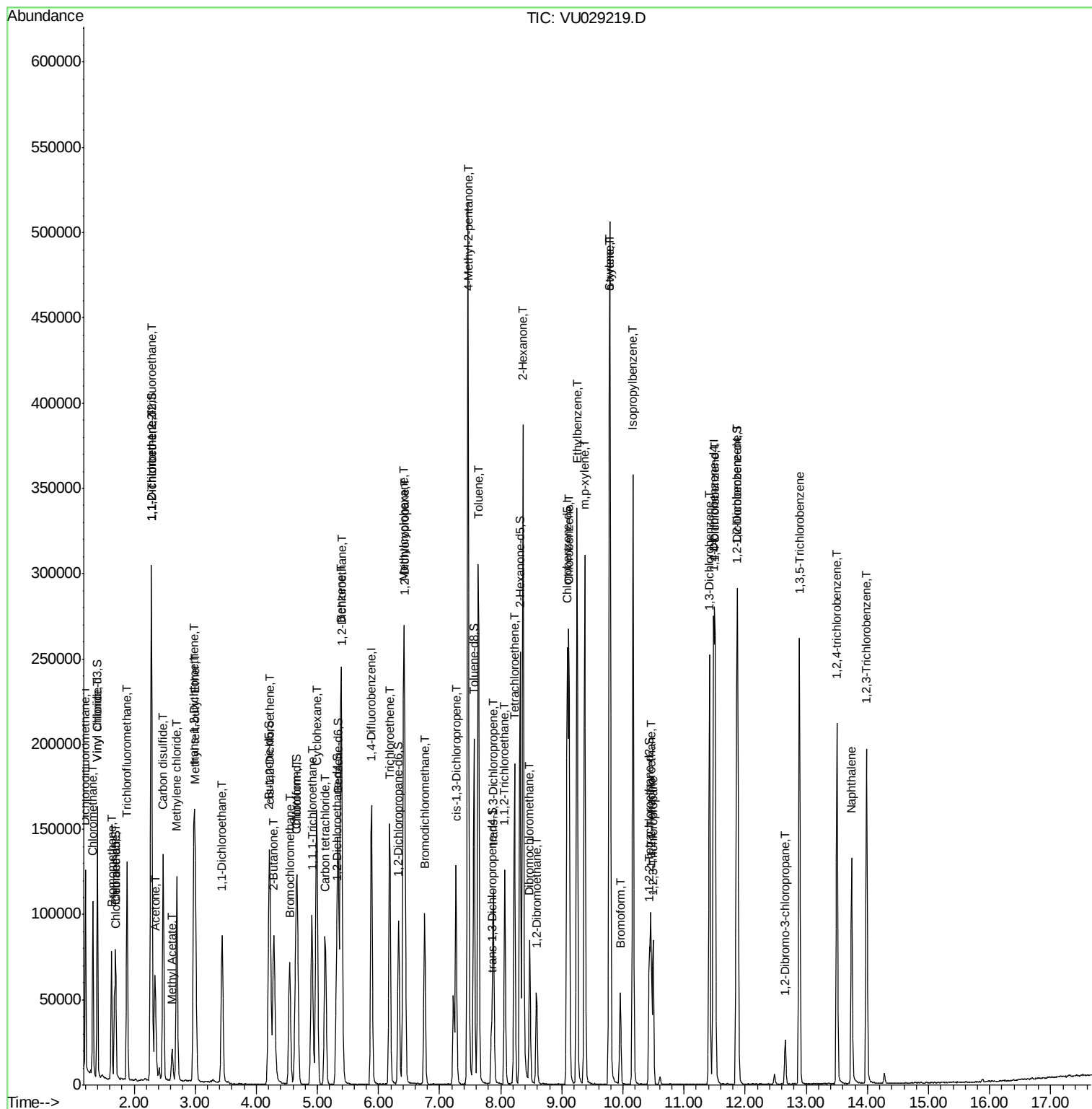
Quant Time: Jan 18 23:10:27 2019

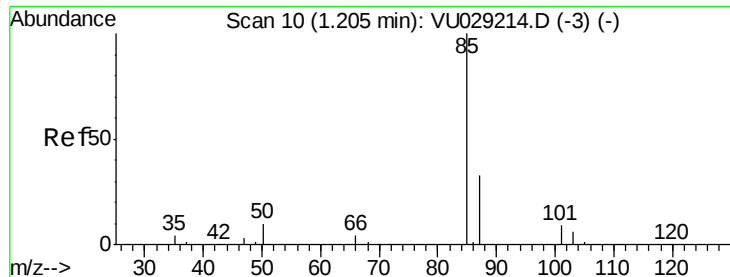
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR122818WMA.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.206 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

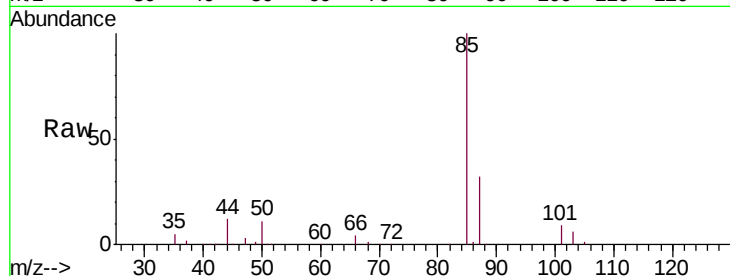
VSTD00556

Tgt Ion: 85 Resp: 63083

Ion Ratio Lower Upper

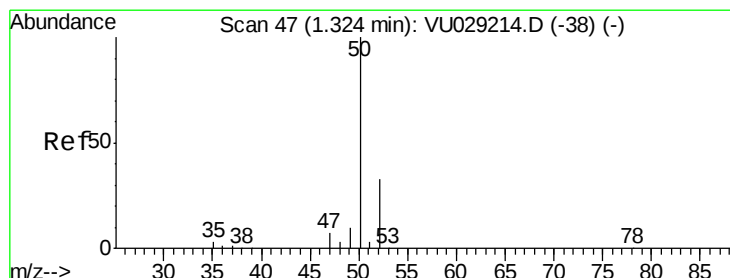
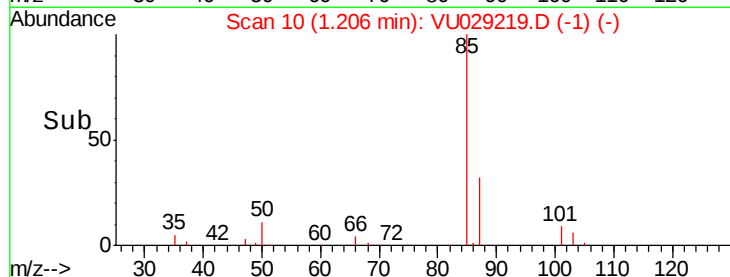
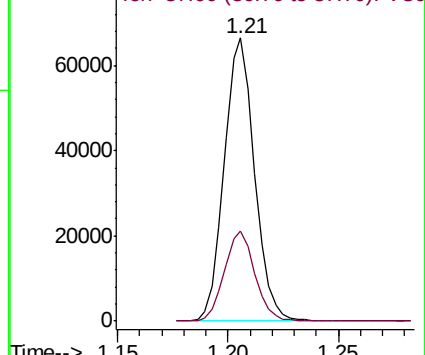
85 100

87 31.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.024 ug/L

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU029219.D

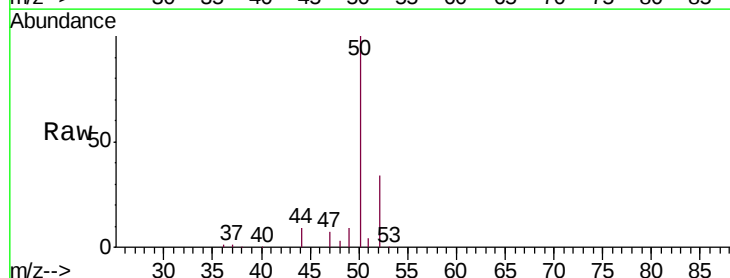
Acq: 18 Jan 2019 13:17

Tgt Ion: 50 Resp: 67920

Ion Ratio Lower Upper

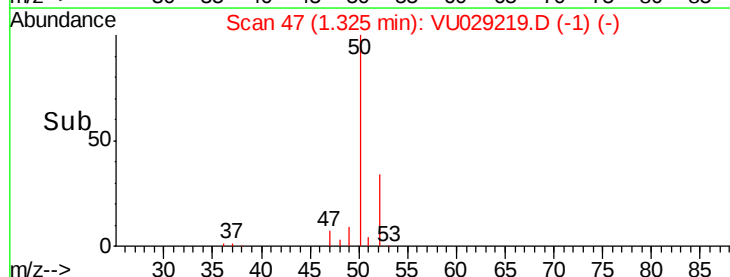
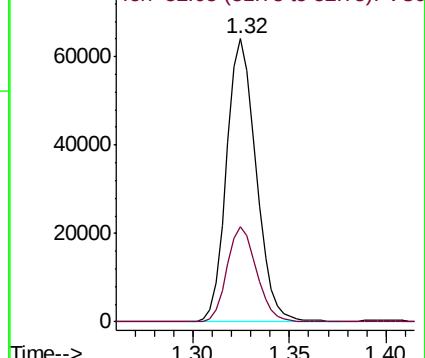
50 100

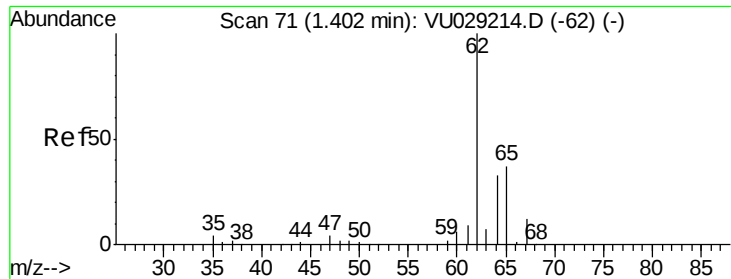
52 33.8 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.323 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

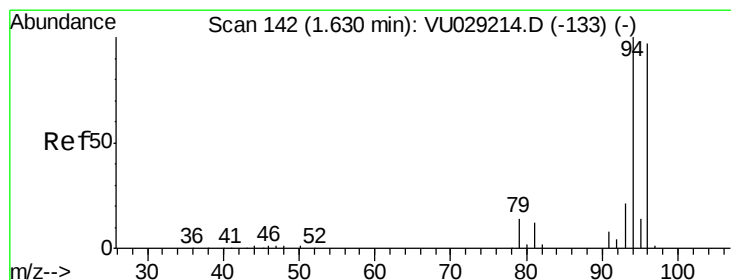
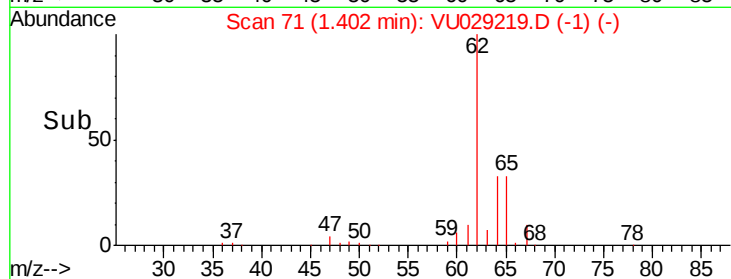
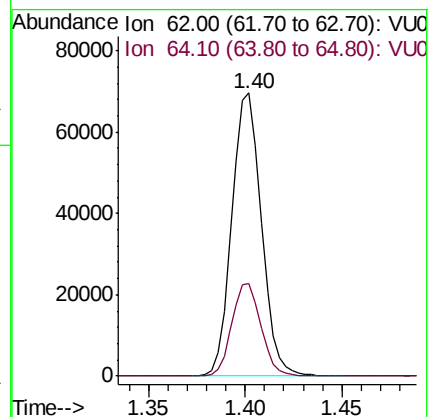
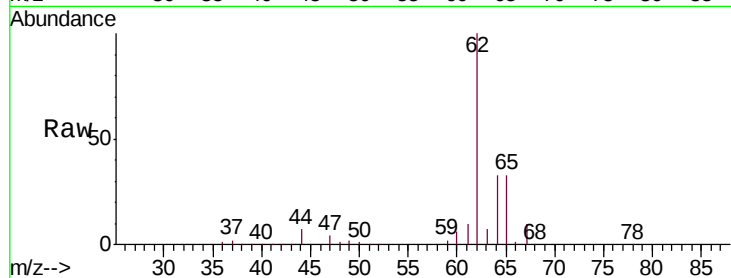
VSTD00556

Tgt Ion: 62 Resp: 73533

Ion Ratio Lower Upper

62 100

64 32.7 21.6 40.2



#6

Bromomethane

Concen: 4.890 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU029219.D

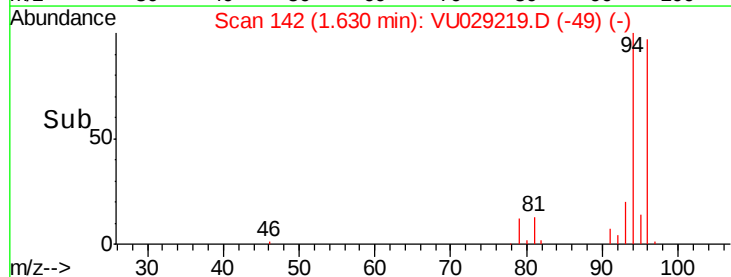
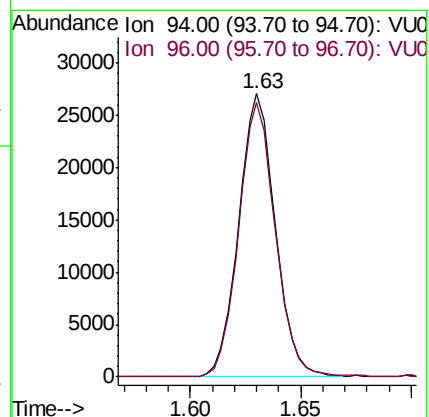
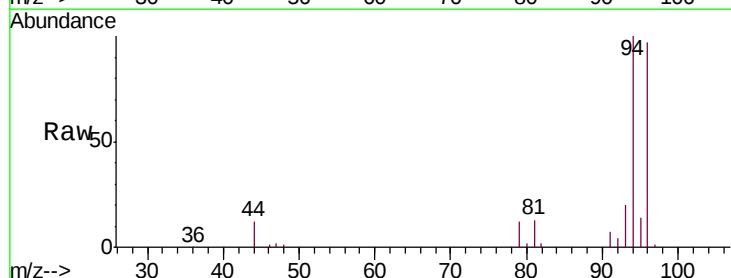
Acq: 18 Jan 2019 13:17

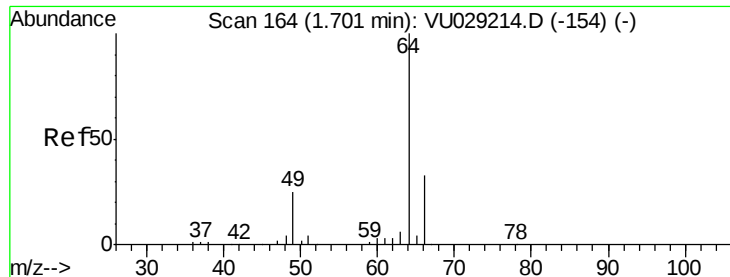
Tgt Ion: 94 Resp: 31274

Ion Ratio Lower Upper

94 100

96 96.7 66.0 122.6





#8

Chloroethane

Concen: 5.389 ug/L

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

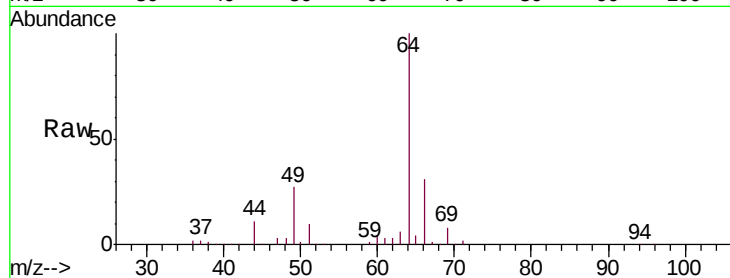
VSTD00556

Tgt Ion: 64 Resp: 42481

Ion Ratio Lower Upper

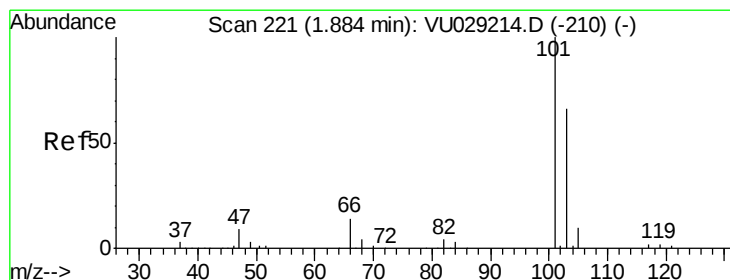
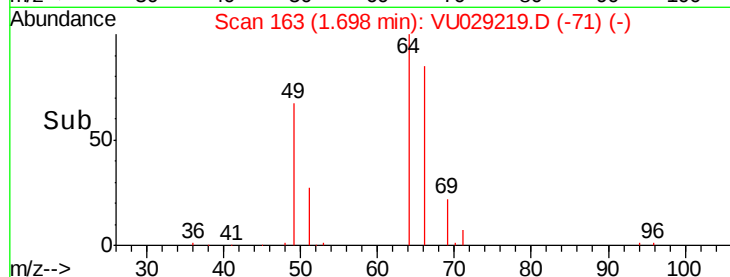
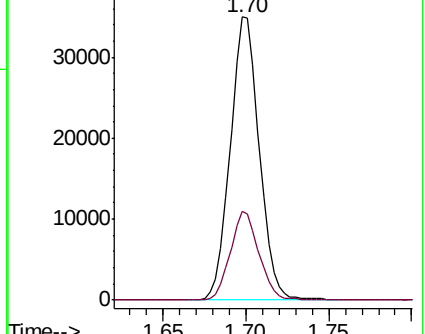
64 100

66 31.2 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU029214.D (-154) (-)

Ion 66.05 (65.75 to 66.75): VU029214.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 4.901 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU029219.D

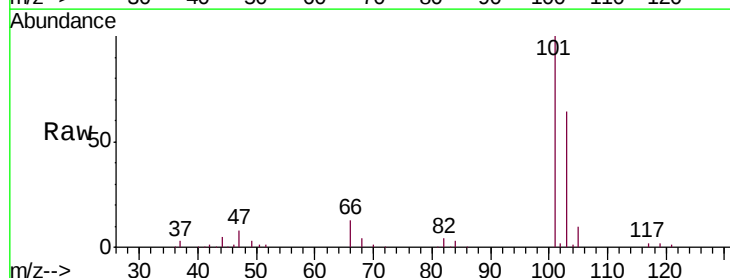
Acq: 18 Jan 2019 13:17

Tgt Ion: 101 Resp: 77413

Ion Ratio Lower Upper

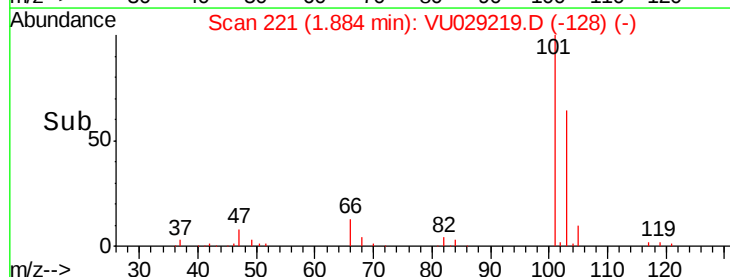
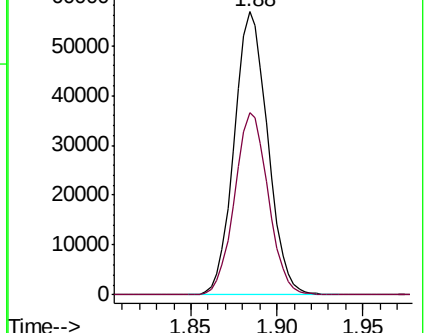
101 100

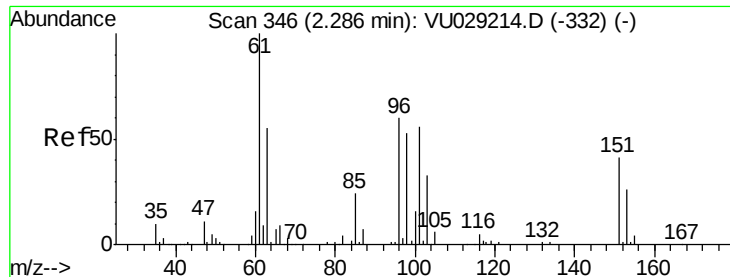
103 64.3 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU029214.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU029214.D (-210) (-)





#10

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

Concen: 4.779 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU029219.D

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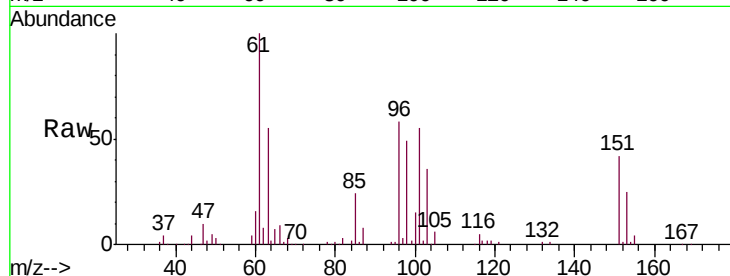
Tgt Ion:101 Resp: 48717

Ion Ratio Lower Upper

101 100

85 42.9 33.8 50.6

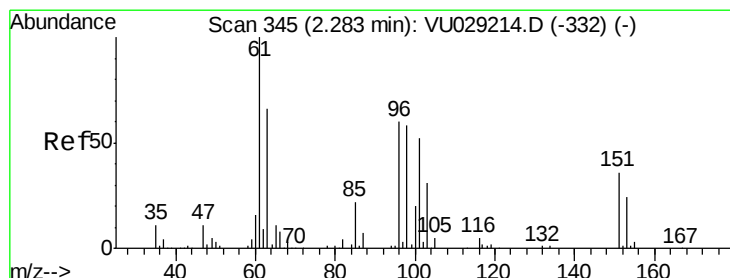
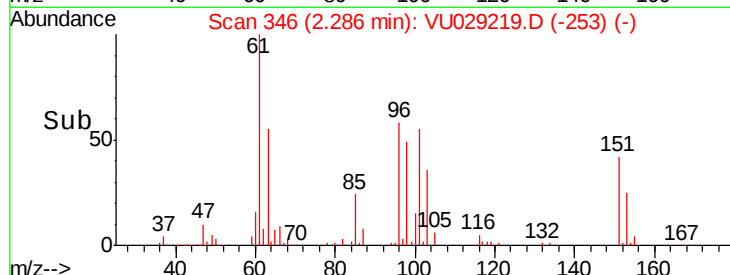
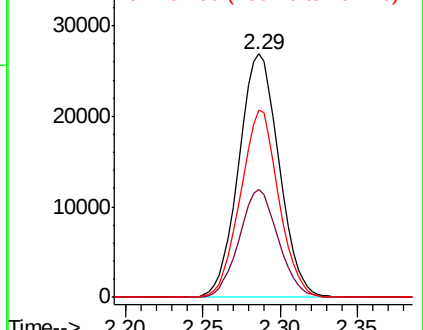
151 73.0 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.513 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

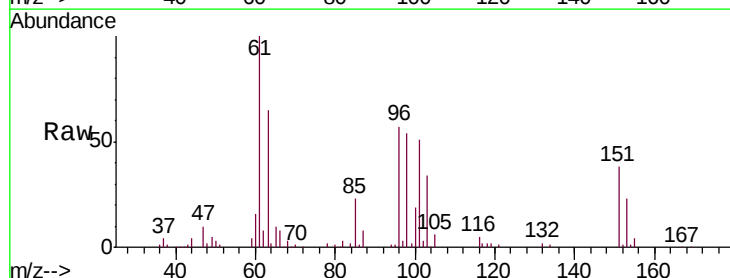
Tgt Ion: 96 Resp: 44732

Ion Ratio Lower Upper

96 100

61 175.6 110.5 205.3

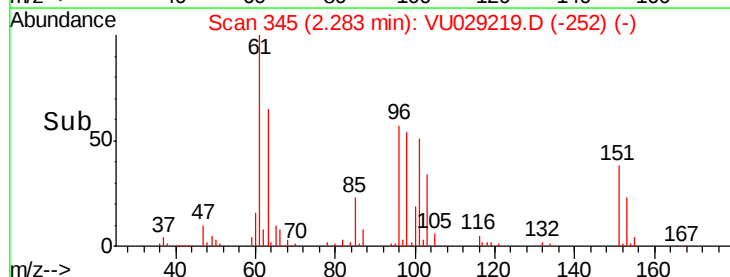
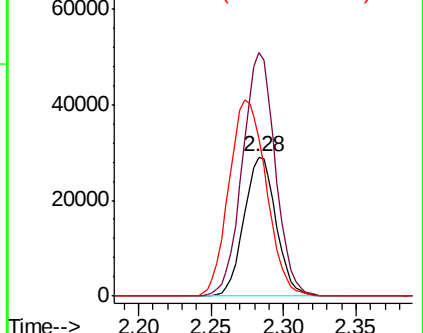
63 114.3 67.6 125.6

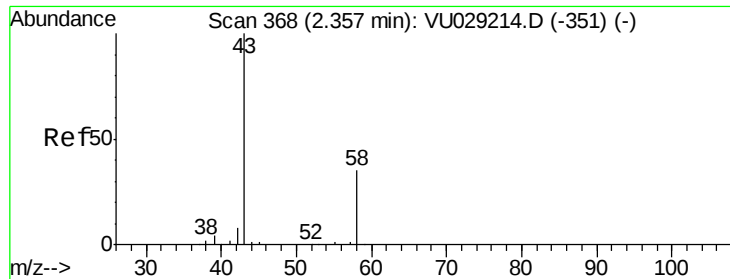


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.431 ug/L

RT: 2.34 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

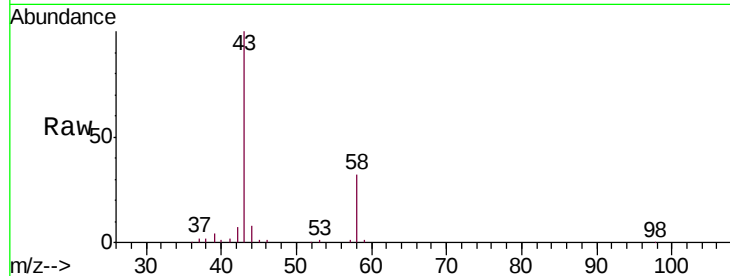
VSTD00556

Tgt Ion: 43 Resp: 85018

Ion Ratio Lower Upper

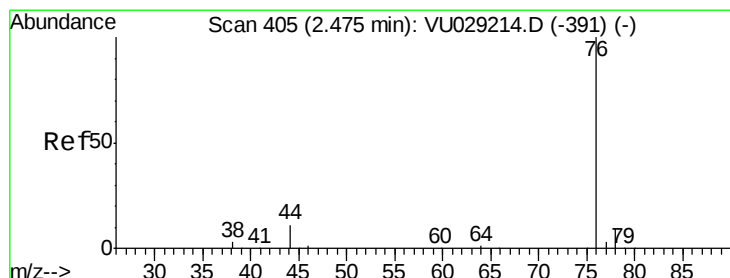
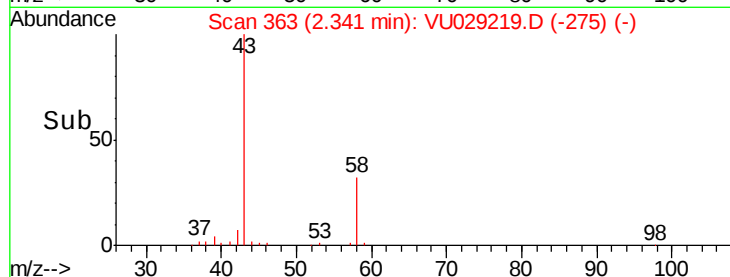
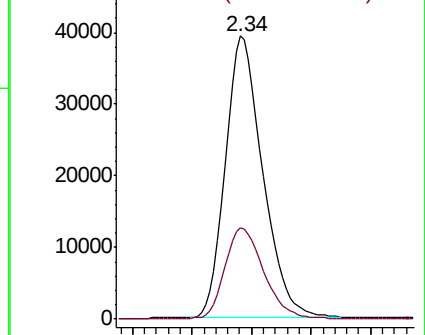
43 100

58 34.2 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.675 ug/L

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029219.D

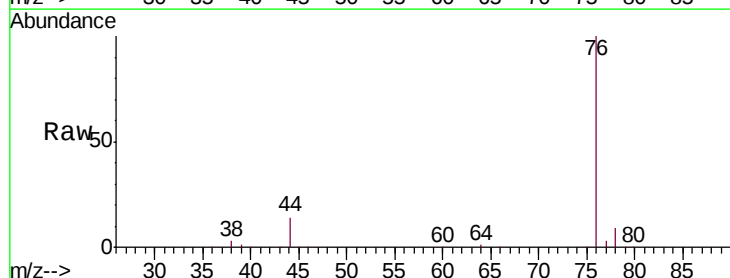
Acq: 18 Jan 2019 13:17

Tgt Ion: 76 Resp: 161910

Ion Ratio Lower Upper

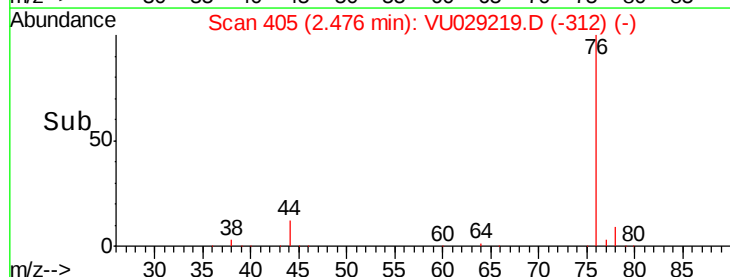
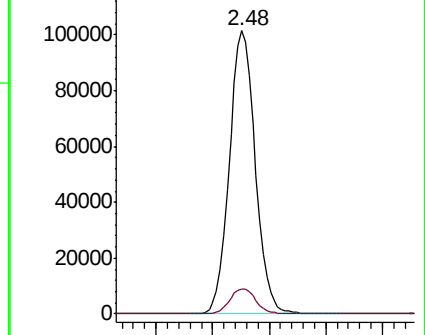
76 100

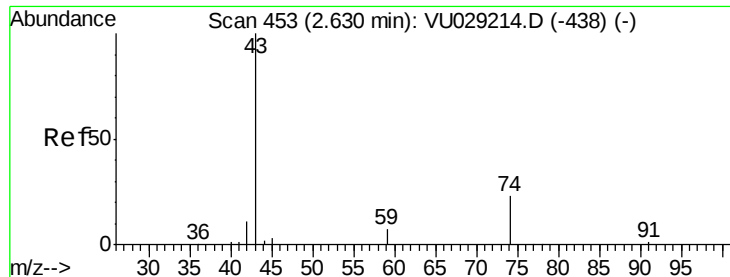
78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

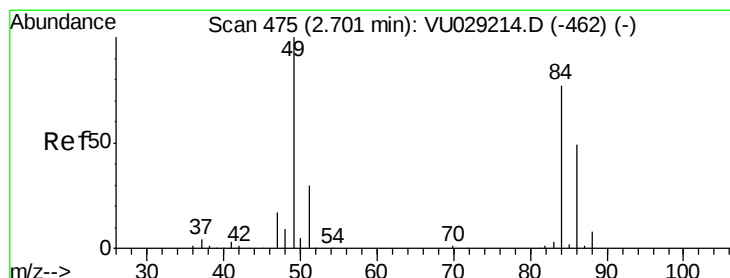
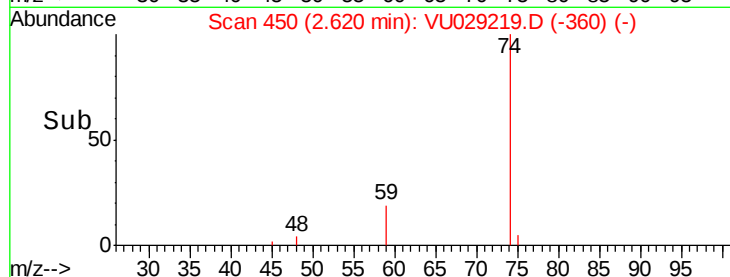
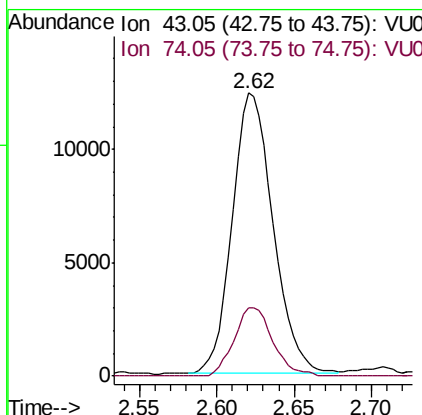
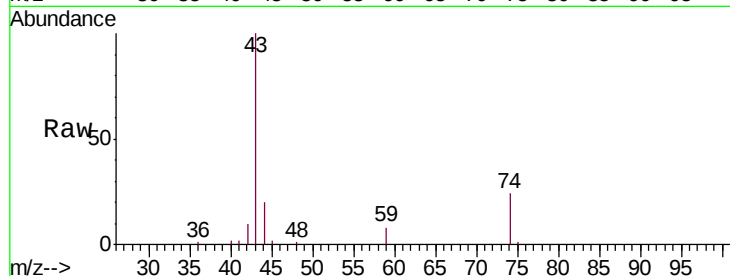




#15
Methyl Acetate
Concen: 4.933 ug/L
RT: 2.62 min Scan# 450
Delta R.T. -0.01 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

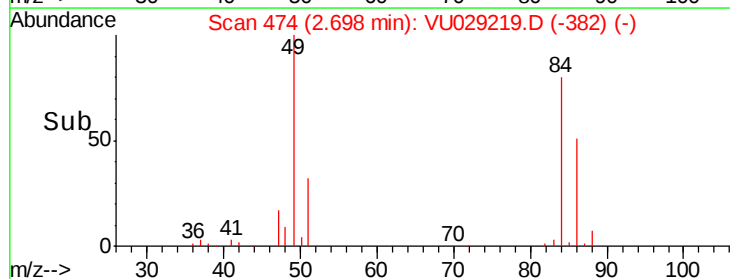
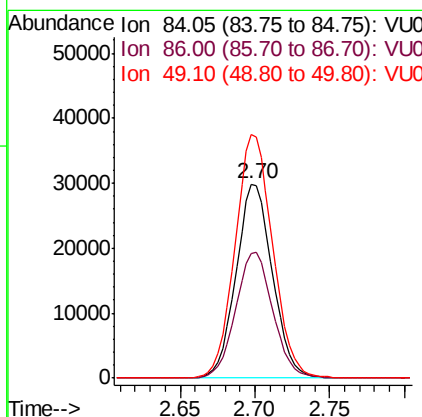
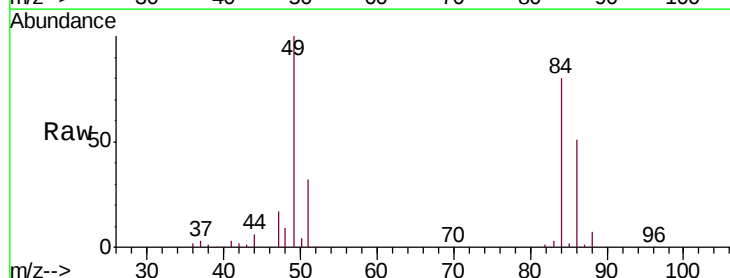
Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

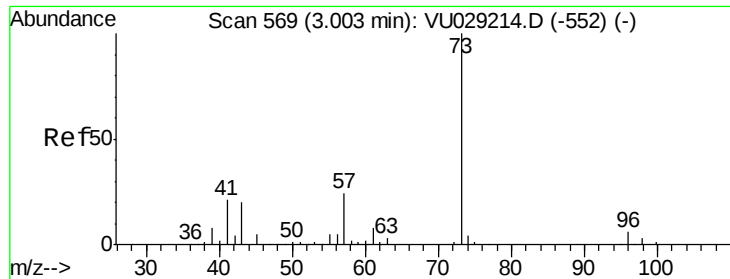
Tgt Ion: 43 Resp: 22577
Ion Ratio Lower Upper
43 100
74 23.3 20.6 30.8



#16
Methylene chloride
Concen: 3.560 ug/L
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Tgt Ion: 84 Resp: 50523
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.6
49 125.6 79.7 148.1

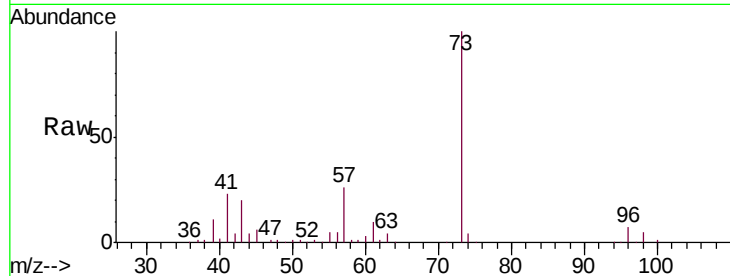




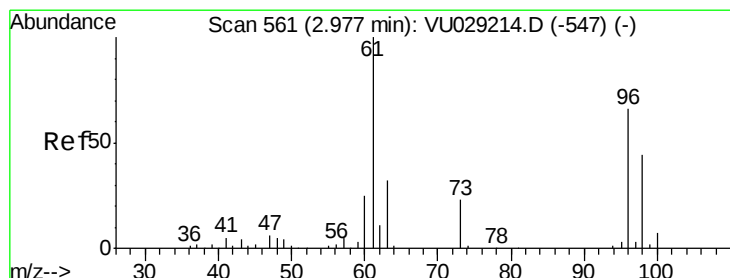
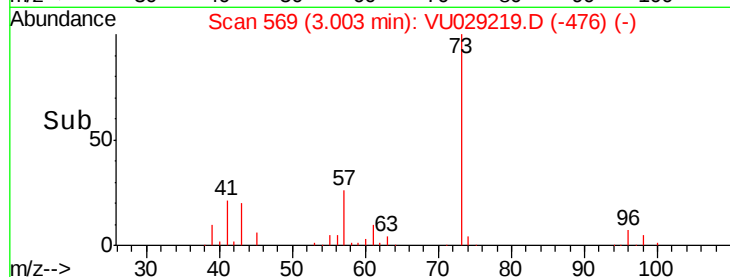
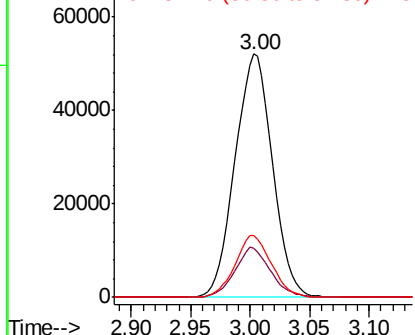
#17
Methyl tert-butyl Ether
Concen: 4.671 ug/L
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Tgt Ion: 73 Resp: 113693
Ion Ratio Lower Upper
73 100
43 19.7 13.8 20.8
57 24.5 17.5 26.3

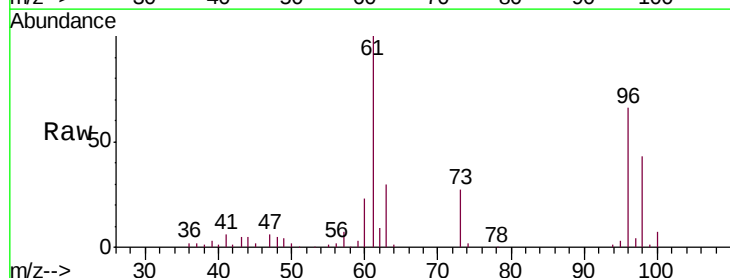


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

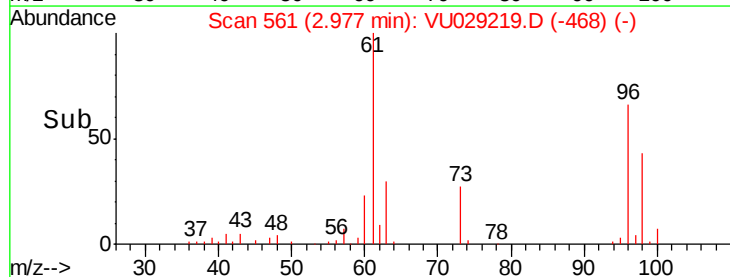
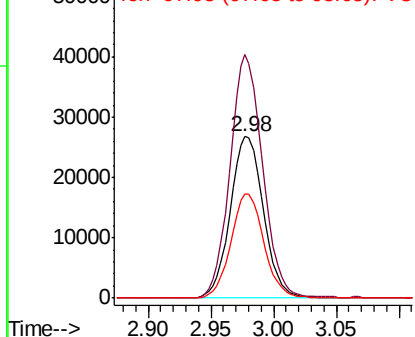


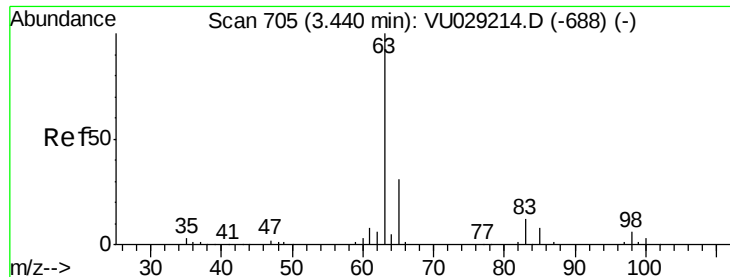
#18
trans-1,2-Dichloroethene
Concen: 4.551 ug/L
RT: 2.98 min Scan# 561
Delta R.T. 0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Tgt Ion: 96 Resp: 49528
Ion Ratio Lower Upper
96 100
61 150.9 96.6 179.4
98 64.9 46.0 85.4



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

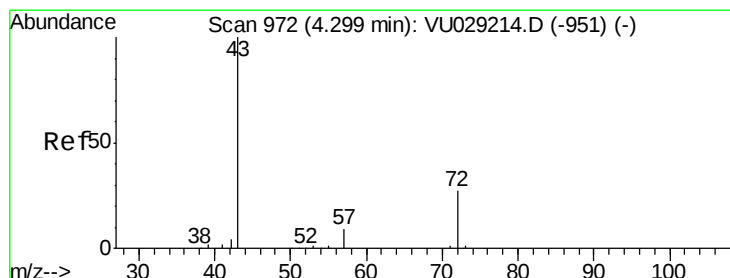
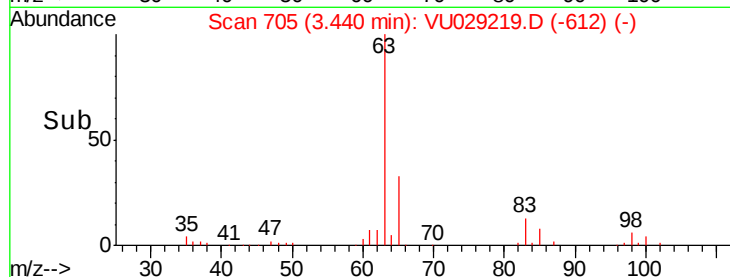
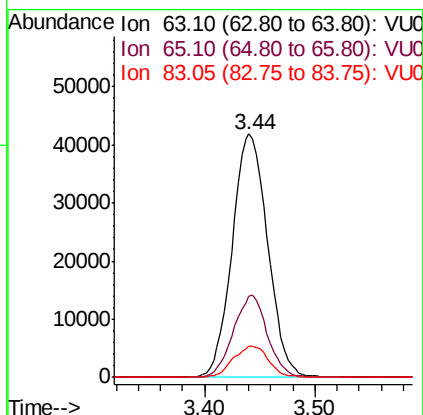
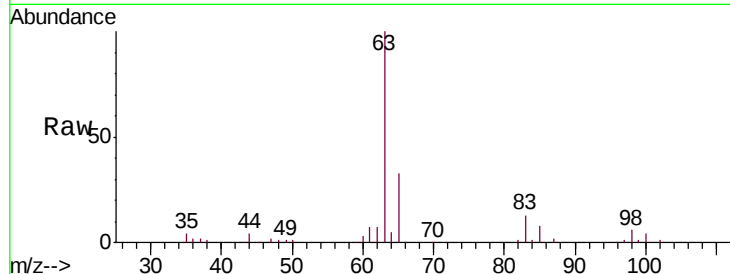




#19
 1,1-Dichloroethane
 Concen: 5.053 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

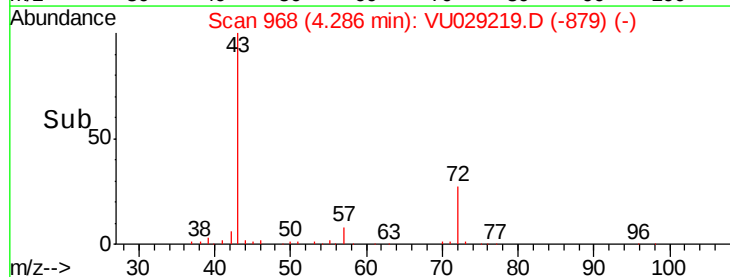
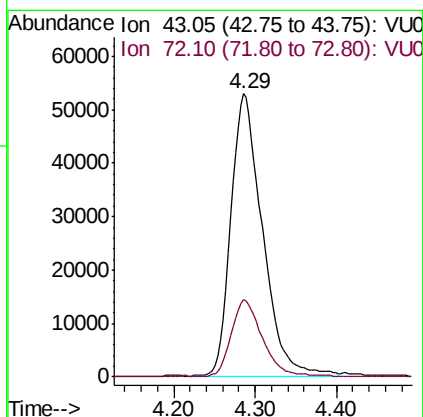
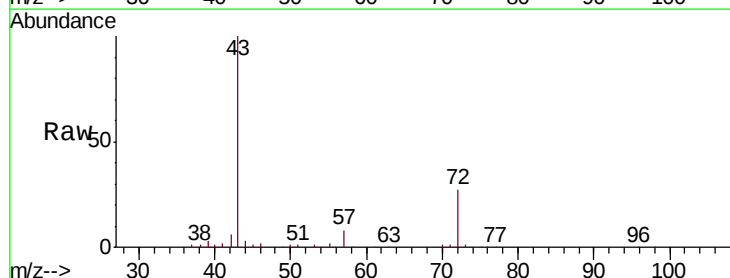
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00556

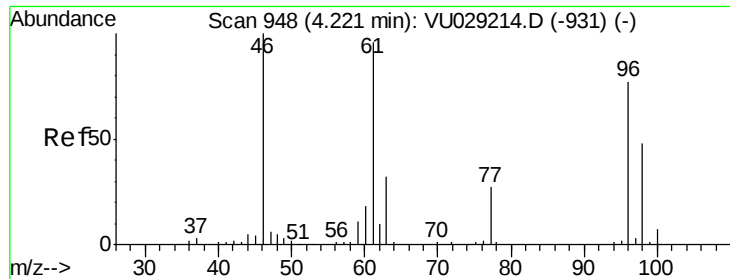
Tgt Ion: 63 Resp: 93353
 Ion Ratio Lower Upper
 63 100
 65 33.2 21.8 40.6
 83 12.6 9.3 17.3



#21
 2-Butanone
 Concen: 60.858 ug/L
 RT: 4.29 min Scan# 968
 Delta R.T. -0.01 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

Tgt Ion: 43 Resp: 142217
 Ion Ratio Lower Upper
 43 100
 72 26.4 15.2 45.5



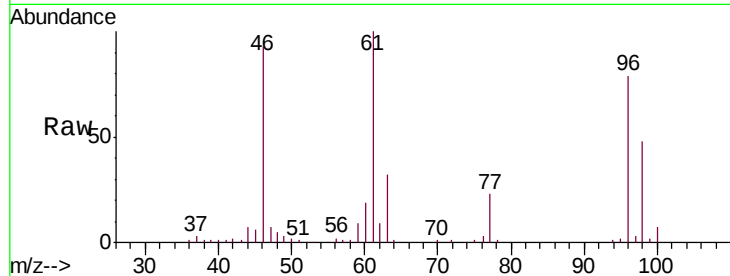


#22

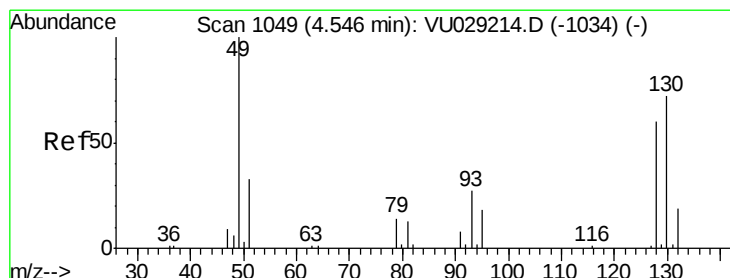
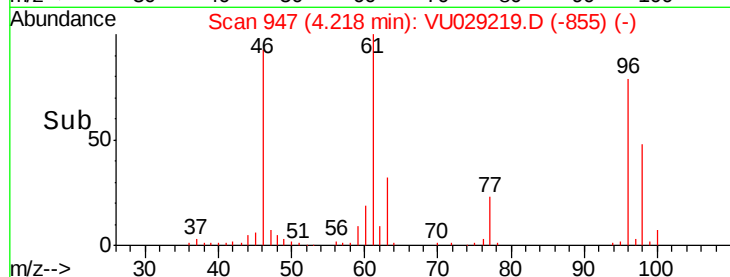
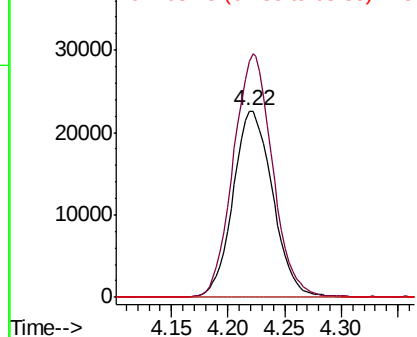
cis-1,2-Dichloroethene
Concen: 4.910 ug/L
RT: 4.22 min Scan# 947
Delta R.T. -0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Tgt Ion: 96 Resp: 55283
Ion Ratio Lower Upper
96 100
61 126.4 84.7 157.3
68 0.0 0.0 0.0



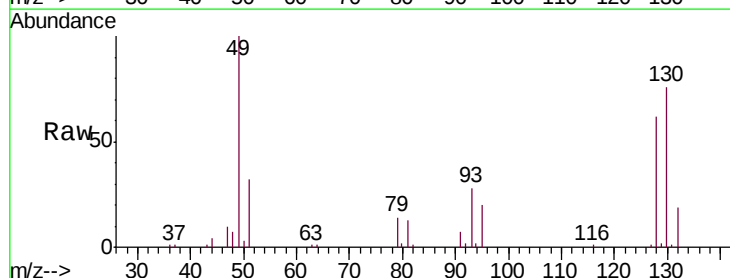
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



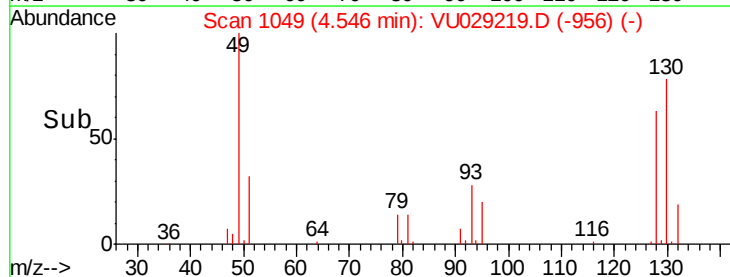
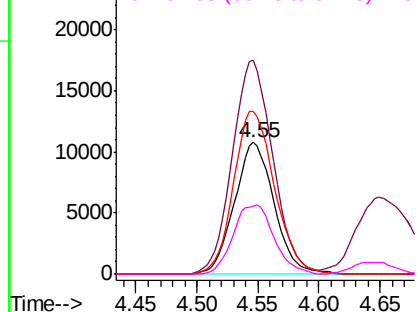
#23

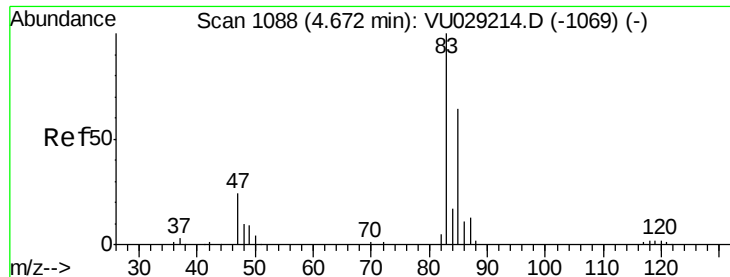
Bromochloromethane
Concen: 5.305 ug/L
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Tgt Ion: 128 Resp: 24234
Ion Ratio Lower Upper
128 100
49 162.1 109.3 202.9
130 123.7 88.7 164.7
51 51.7 38.8 58.2



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

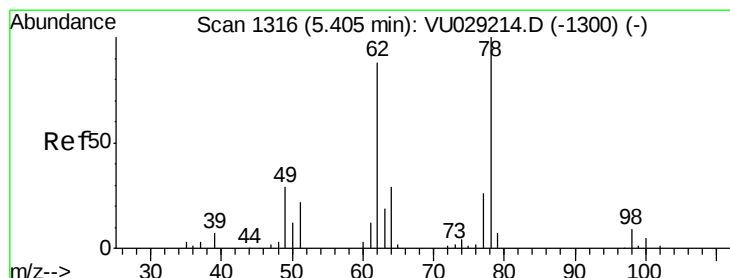
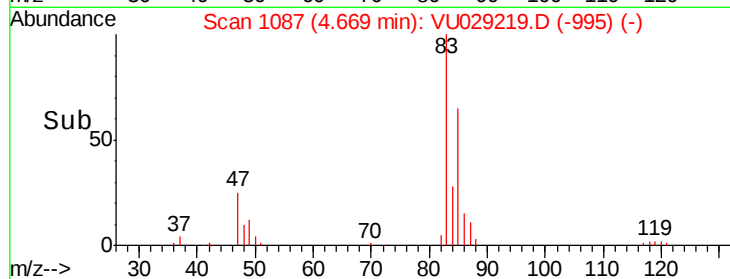
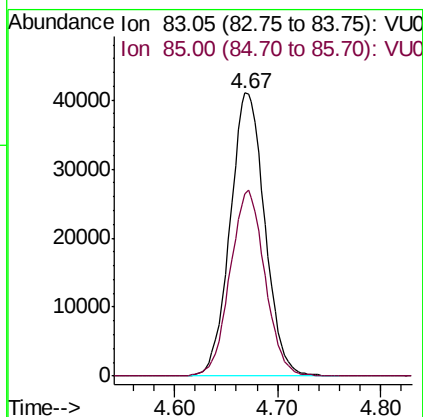
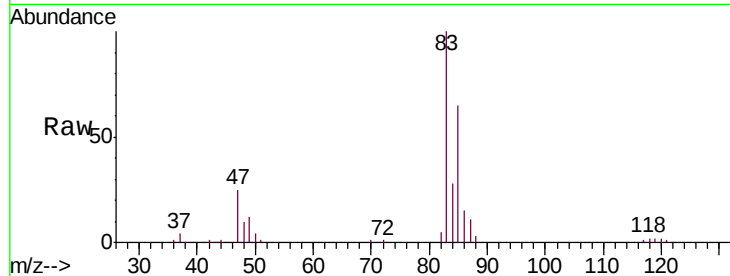




#25
Chloroform
Concen: 5.460 ug/L
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

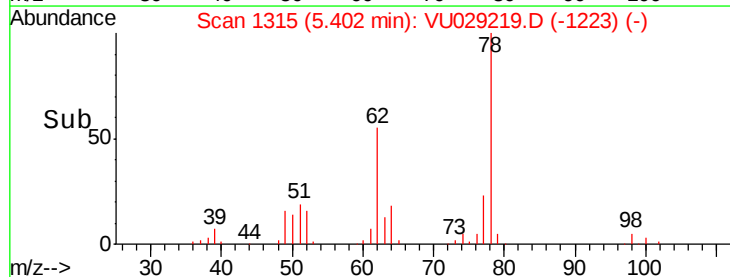
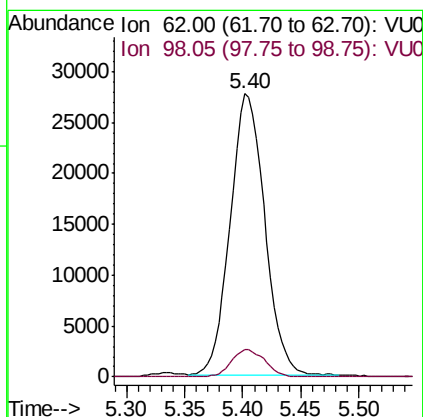
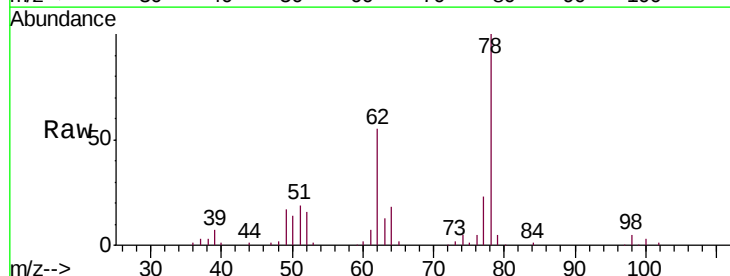
Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

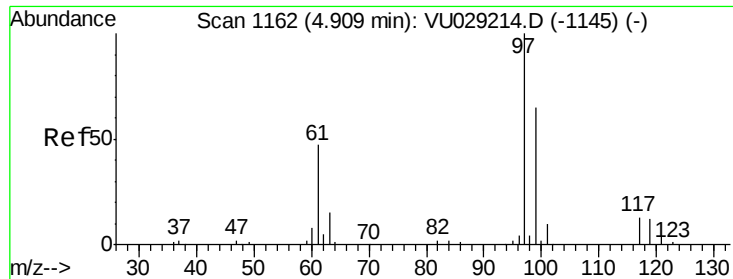
Tgt Ion: 83 Resp: 95841
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.507 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Tgt Ion: 62 Resp: 57191
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2

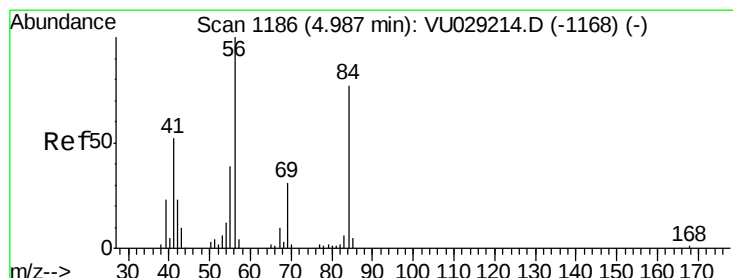
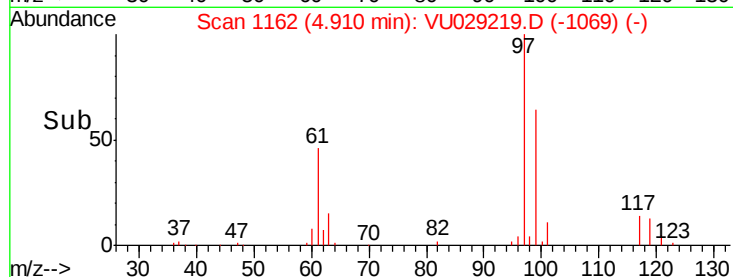
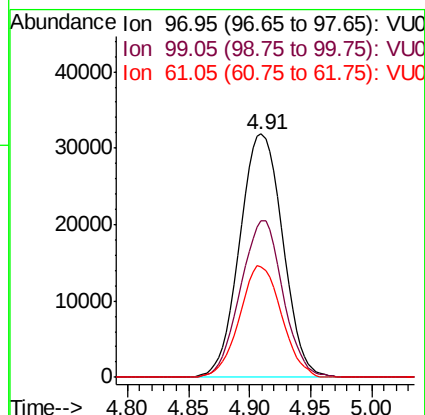
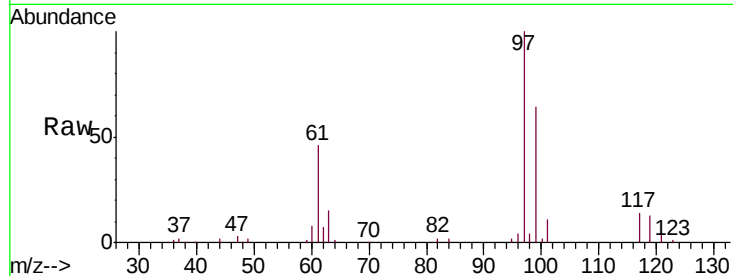




#29
 1,1,1-Trichloroethane
 Concen: 5.149 ug/L
 RT: 4.91 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

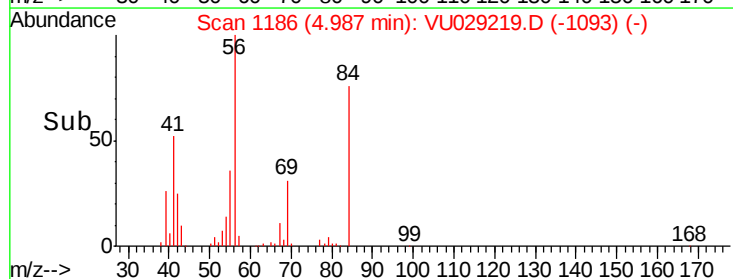
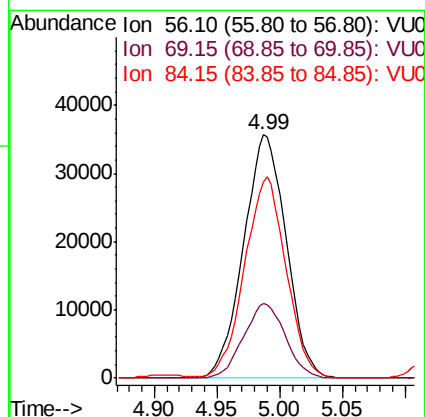
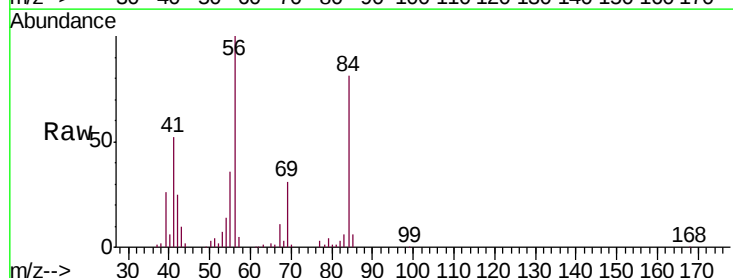
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

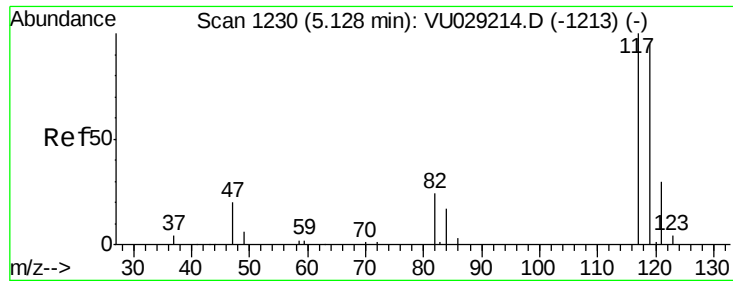
Tgt Ion: 97 Resp: 77908
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.6 77.4
 61 44.7 34.1 51.1



#30
 Cyclohexane
 Concen: 4.654 ug/L
 RT: 4.99 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

Tgt Ion: 56 Resp: 84379
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.8 37.2
 84 80.4 69.1 103.7

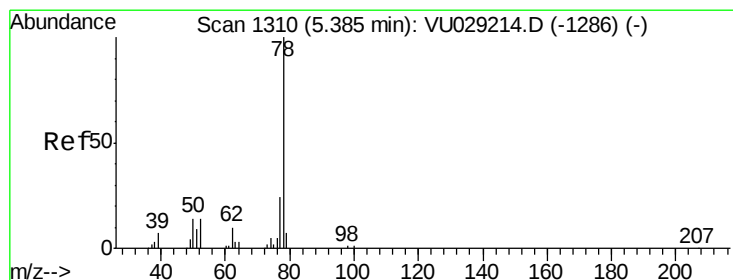
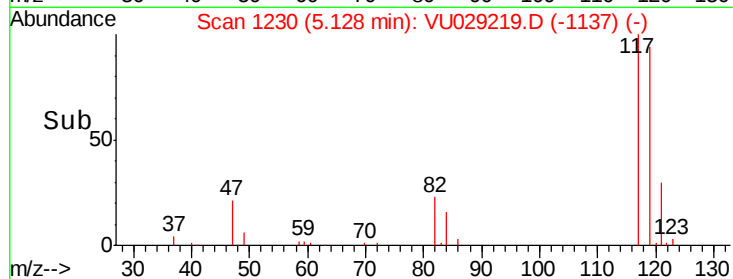
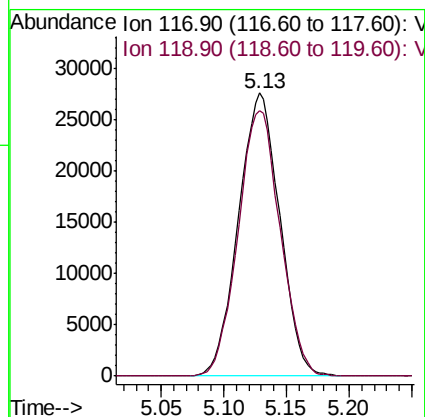
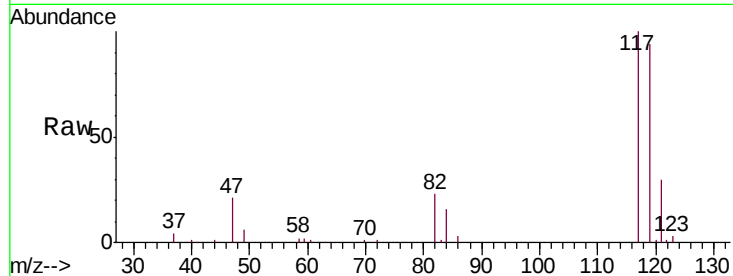




#31
Carbon tetrachloride
Concen: 5.237 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

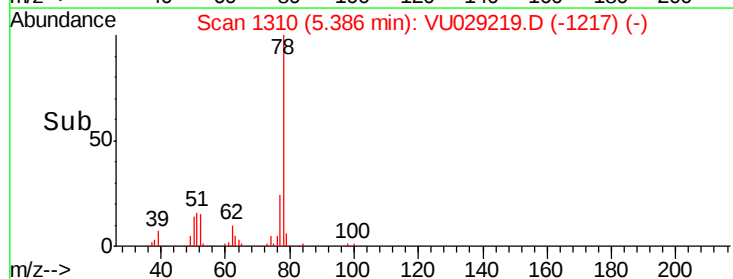
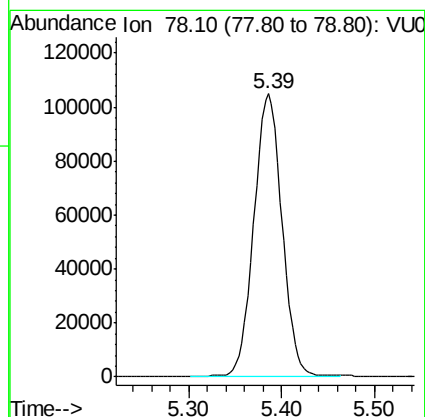
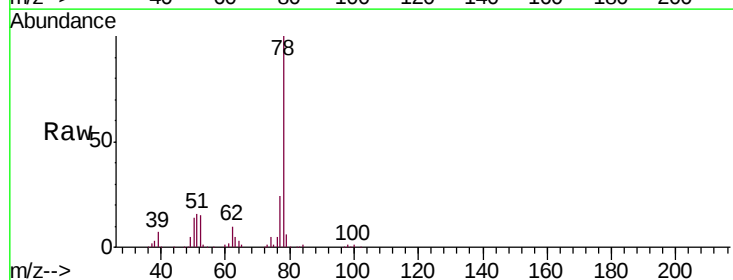
Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

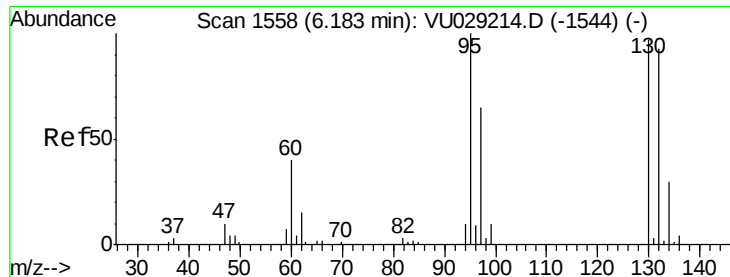
Tgt Ion:117 Resp: 63104
Ion Ratio Lower Upper
117 100
119 95.6 75.4 113.2



#33
Benzene
Concen: 5.045 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Tgt Ion: 78 Resp: 222248





#34

Trichloroethene

Concen: 4.822 ug/L

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

Tgt Ion: 95 Resp: 54312

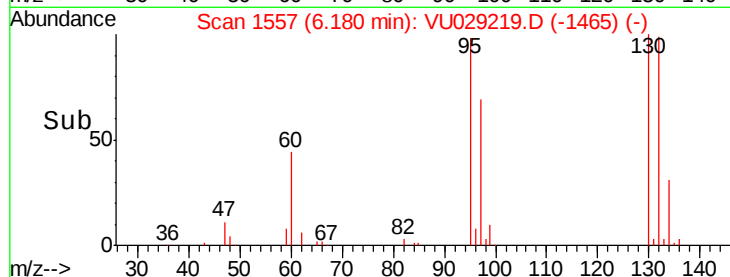
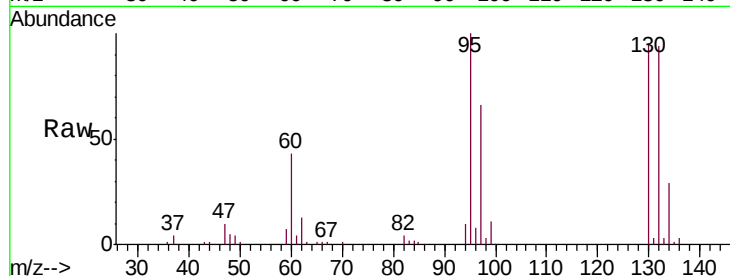
Ion Ratio Lower Upper

95 100

97 66.1 45.4 84.2

132 94.1 70.8 131.6

130 95.5 70.7 131.3

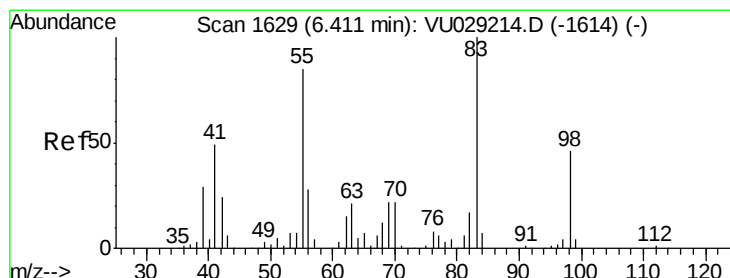
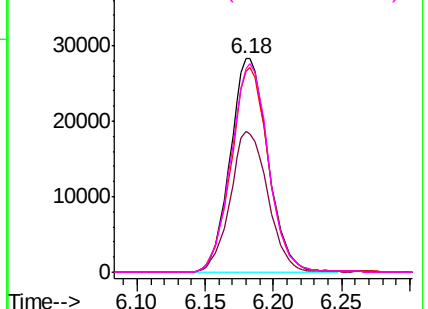


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.531 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

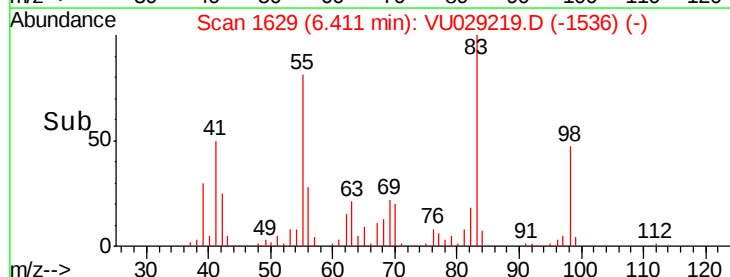
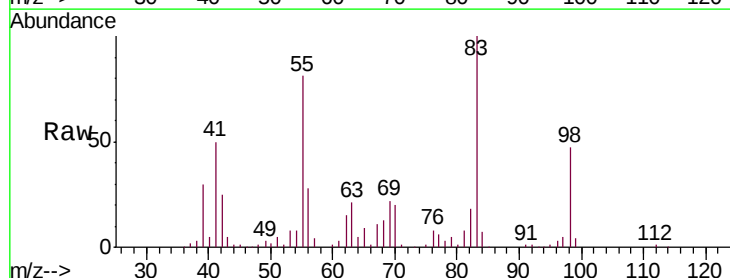
Tgt Ion: 83 Resp: 87675

Ion Ratio Lower Upper

83 100

55 81.1 59.8 89.6

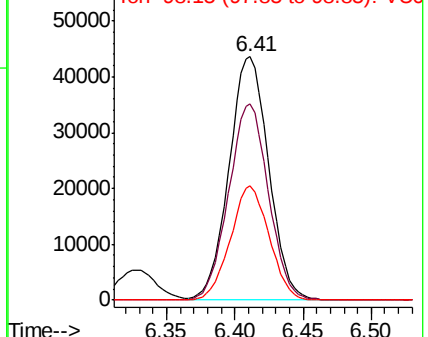
98 46.1 37.0 55.6

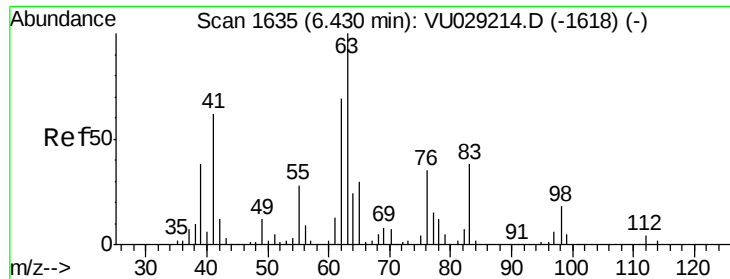


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

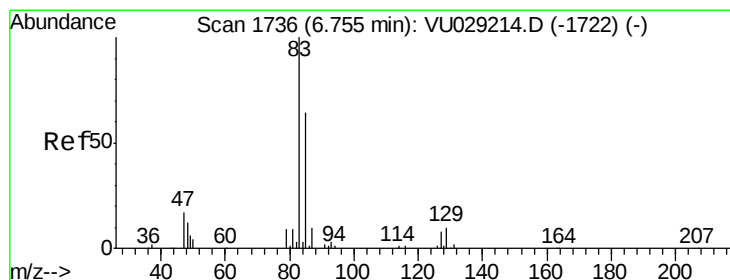
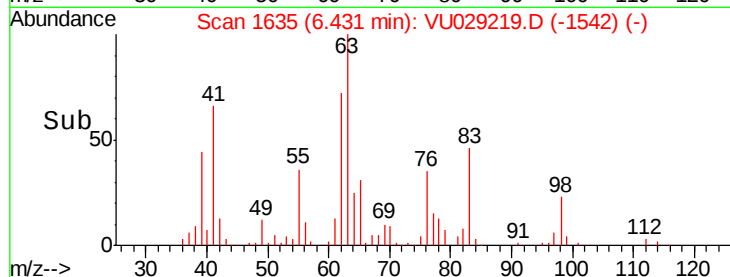
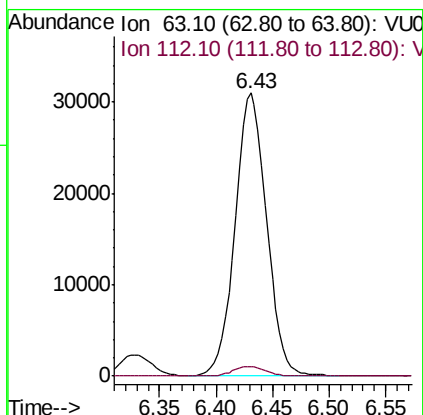
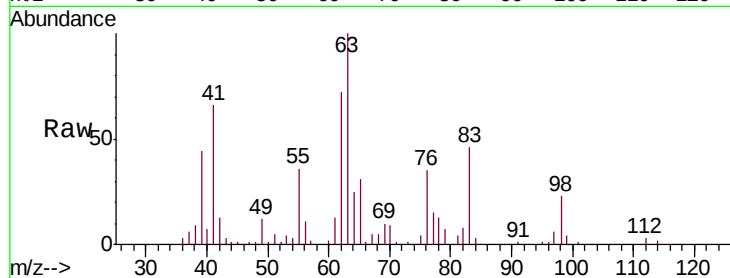




#37
 1,2-Dichloropropane
 Concen: 5.358 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

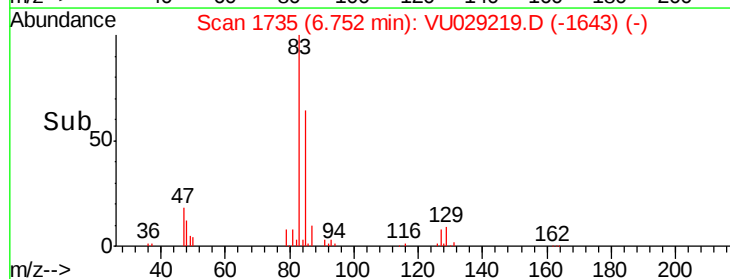
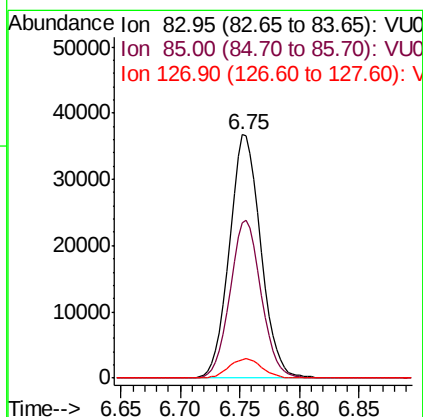
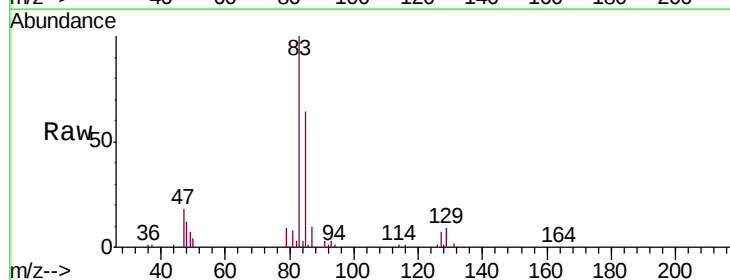
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

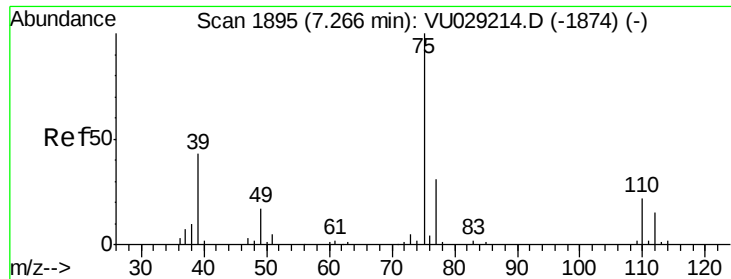
Tgt Ion: 63 Resp: 60134
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.316 ug/L
 RT: 6.75 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

Tgt Ion: 83 Resp: 67169
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.9
 127 7.5 6.8 10.2

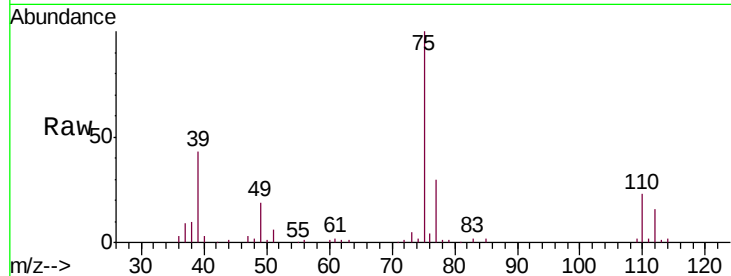




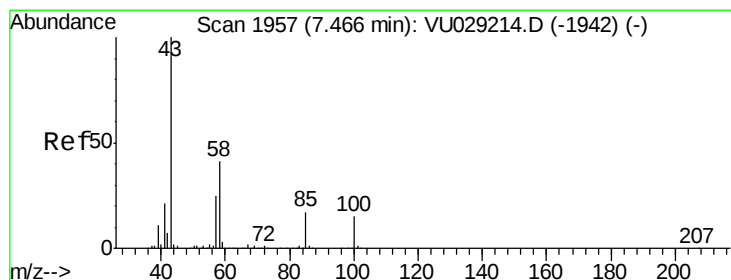
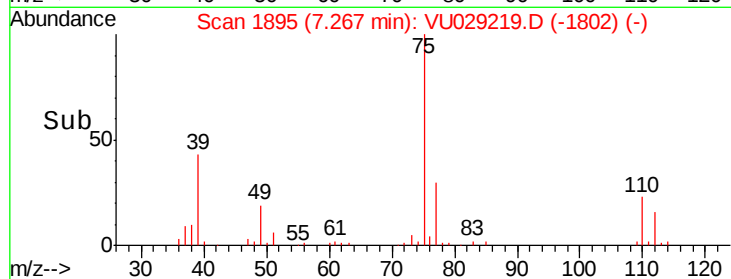
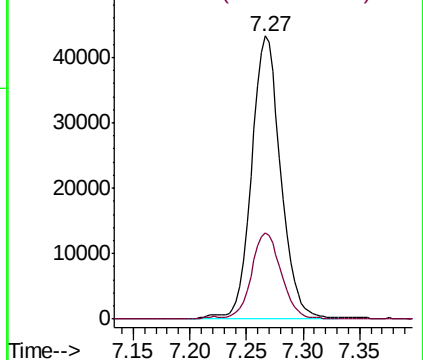
#39
 cis-1,3-Dichloropropene
 Concen: 4.824 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

Tgt Ion: 75 Resp: 77627
 Ion Ratio Lower Upper
 75 100
 77 30.4 21.5 39.9

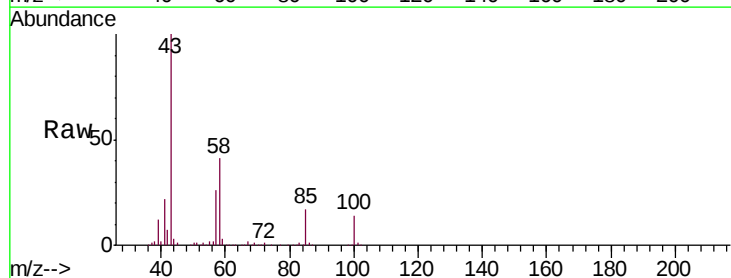


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

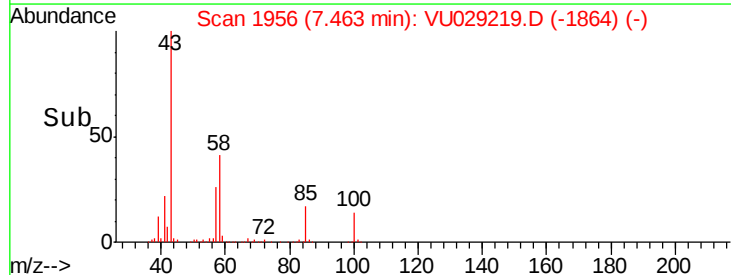
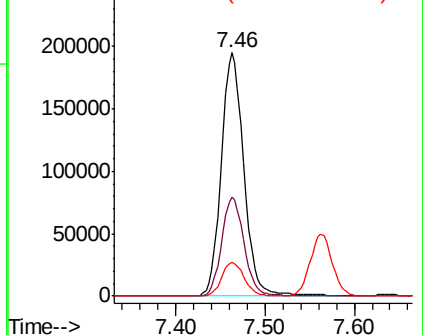


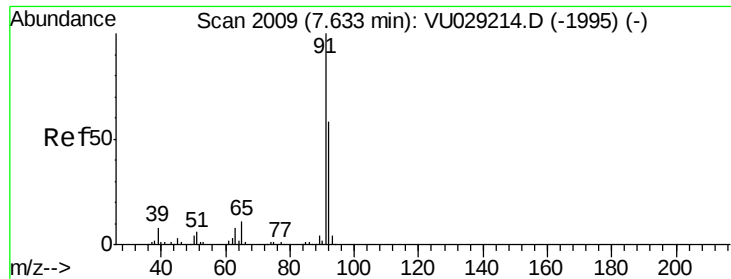
#40
 4-Methyl-2-pentanone
 Concen: 57.287 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

Tgt Ion: 43 Resp: 342131
 Ion Ratio Lower Upper
 43 100
 58 40.3 34.6 51.8
 100 13.9 13.4 20.0



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





#42

Toluene

Concen: 4.820 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

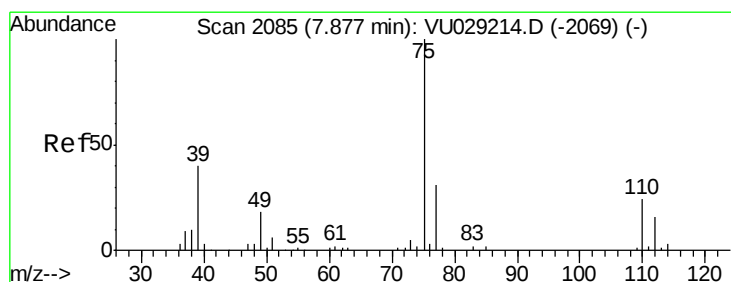
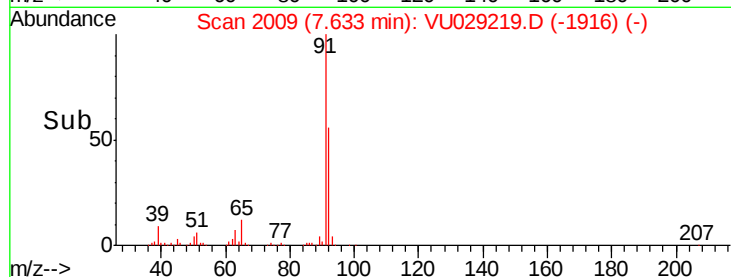
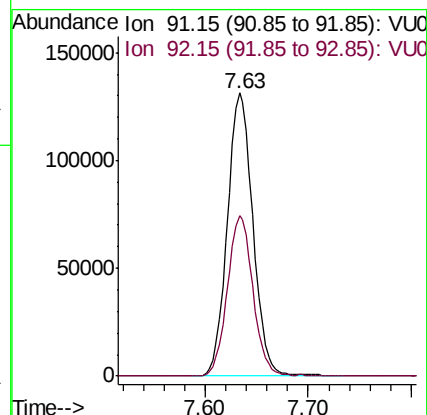
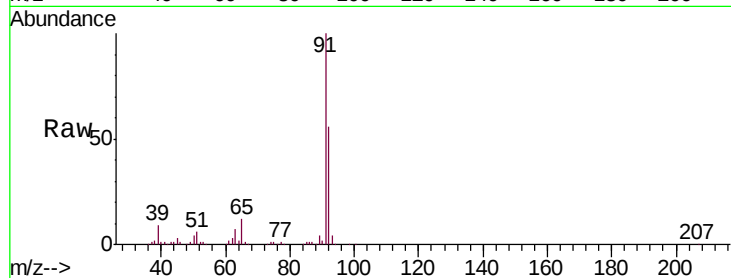
VSTD00556

Tgt Ion: 91 Resp: 227328

Ion Ratio Lower Upper

91 100

92 56.5 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 5.133 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU029219.D

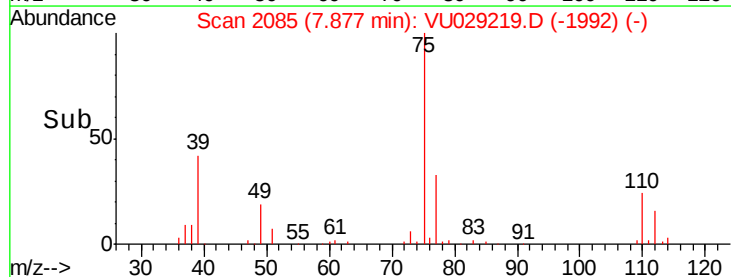
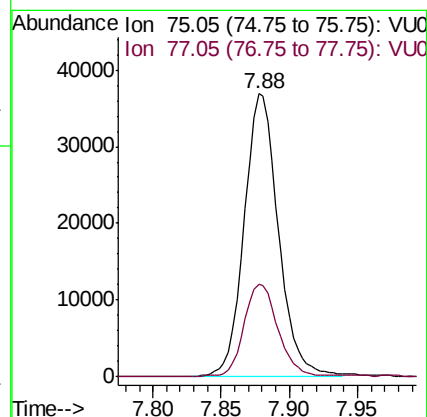
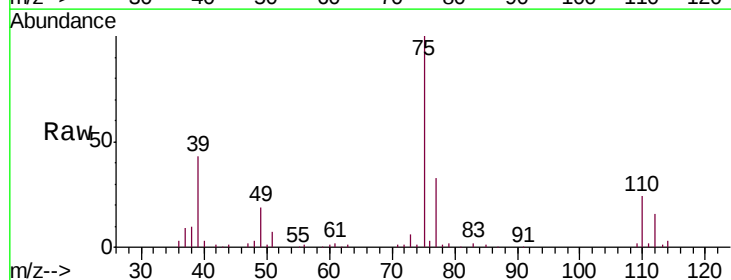
Acq: 18 Jan 2019 13:17

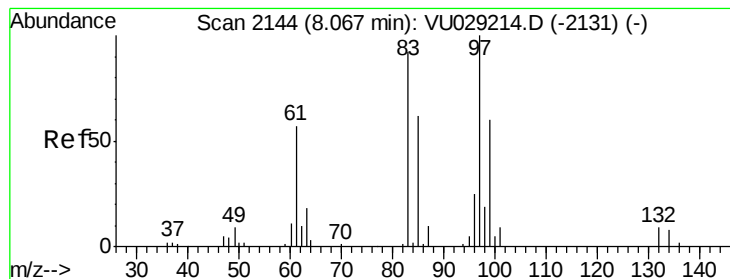
Tgt Ion: 75 Resp: 64372

Ion Ratio Lower Upper

75 100

77 32.6 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.182 ug/L

RT: 8.06 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

Tgt Ion: 97 Resp: 39581

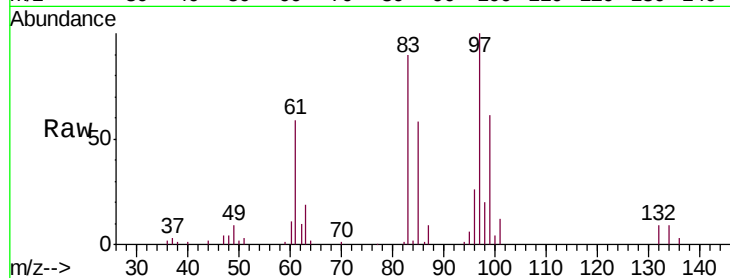
Ion Ratio Lower Upper

97 100

99 60.8 42.4 78.6

83 89.6 59.6 110.6

85 58.0 39.0 72.4

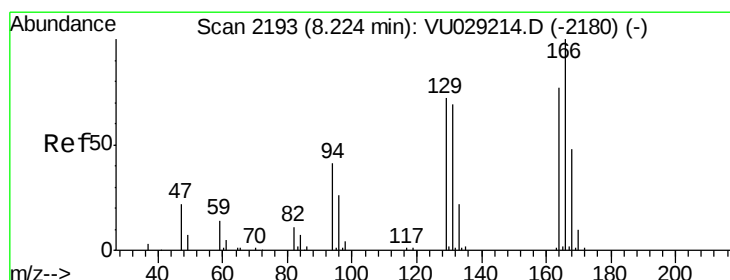
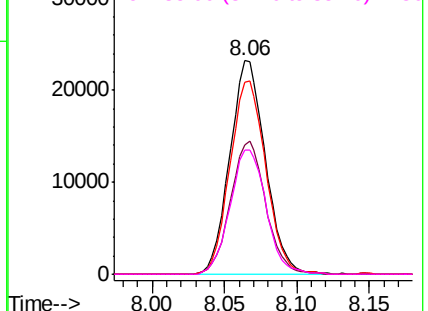
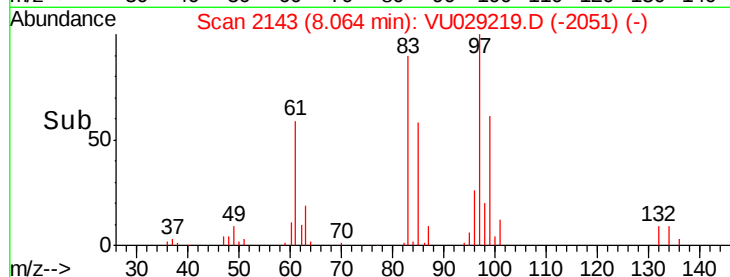


Abundance Ion 96.95 (96.65 to 97.65): VU029219.D (-2131) (-)

Ion 99.05 (98.75 to 99.75): VU029219.D (-2131) (-)

Ion 82.95 (82.65 to 83.65): VU029219.D (-2131) (-)

Ion 85.00 (84.70 to 85.70): VU029219.D (-2131) (-)



#47

Tetrachloroethene

Concen: 4.677 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Tgt Ion: 164 Resp: 43633

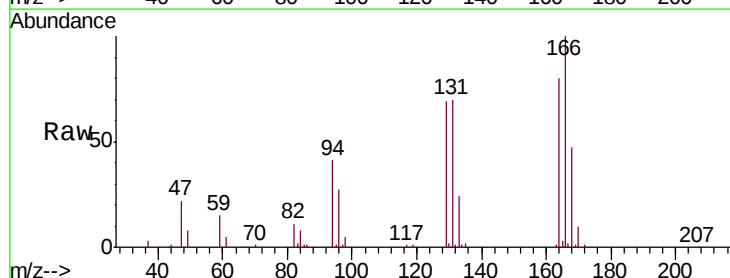
Ion Ratio Lower Upper

164 100

129 86.0 65.3 121.3

131 87.7 62.9 116.7

166 124.7 86.7 160.9

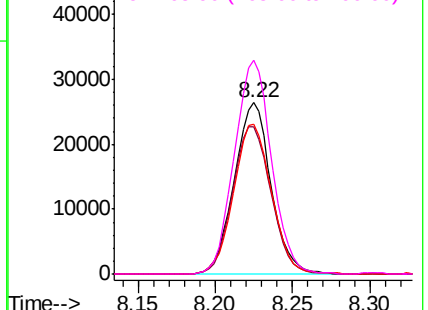
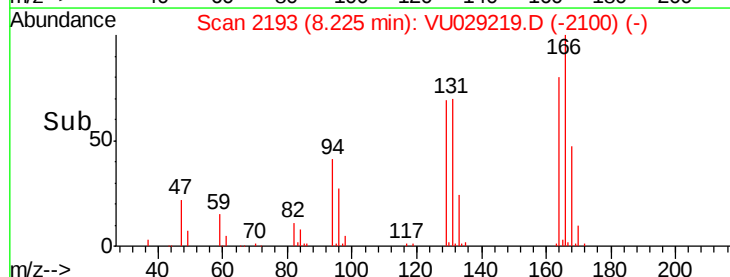


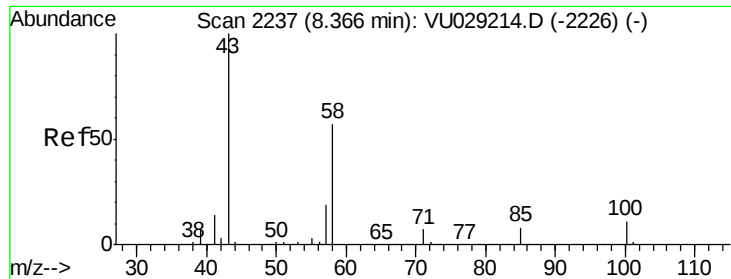
Abundance Ion 163.90 (163.60 to 164.60): VU029219.D (-2180) (-)

Ion 128.95 (128.65 to 129.65): VU029219.D (-2180) (-)

Ion 130.95 (130.65 to 131.65): VU029219.D (-2180) (-)

Ion 165.90 (165.60 to 166.60): VU029219.D (-2180) (-)

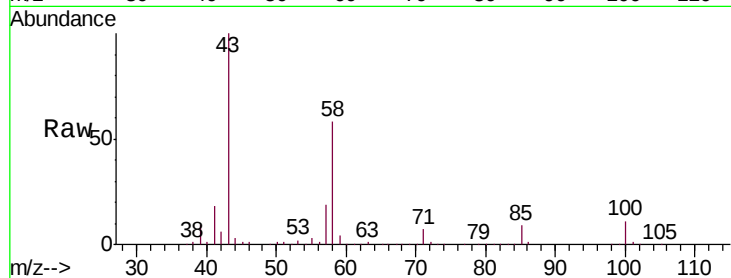




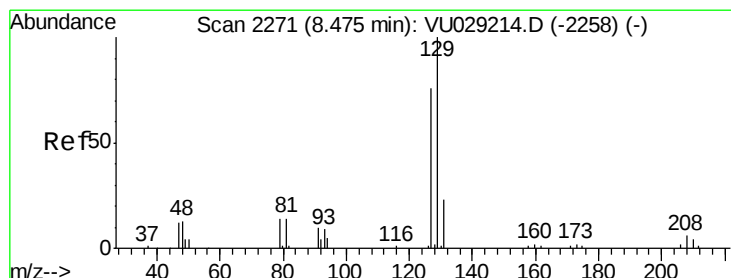
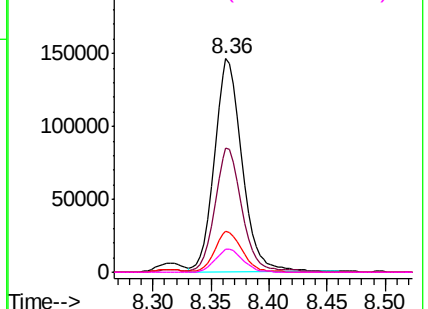
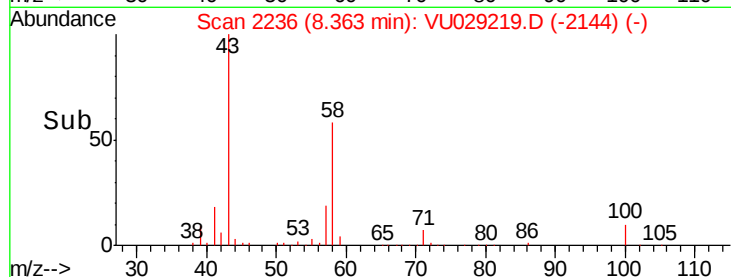
#48
2-Hexanone
Concen: 59.338 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Tgt Ion: 43 Resp: 245137
Ion Ratio Lower Upper
43 100
58 56.9 48.8 73.2
57 18.9 16.0 24.0
100 10.7 10.2 15.4

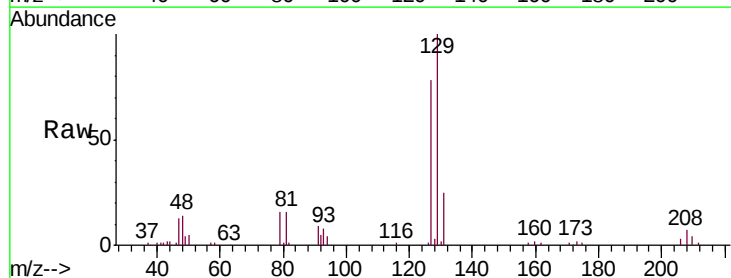


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

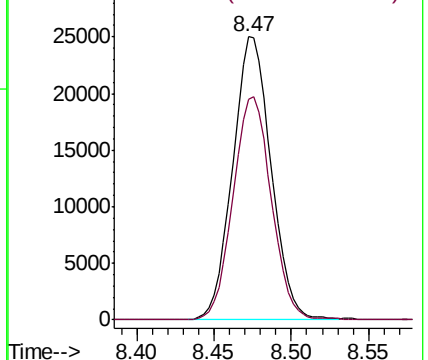
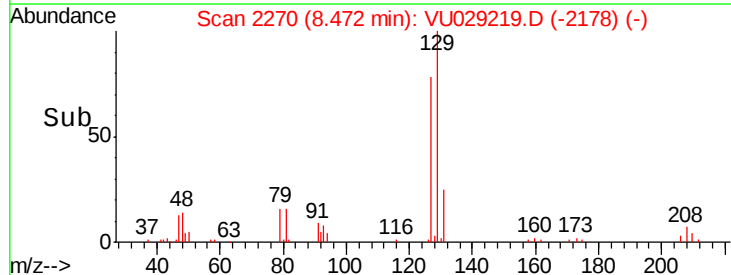


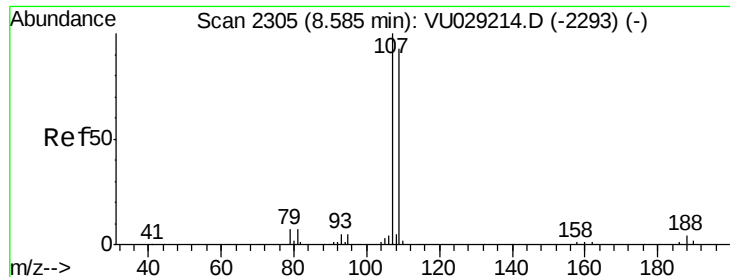
#49
Dibromochloromethane
Concen: 5.313 ug/L
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Tgt Ion: 129 Resp: 43084
Ion Ratio Lower Upper
129 100
127 78.0 54.4 101.0



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

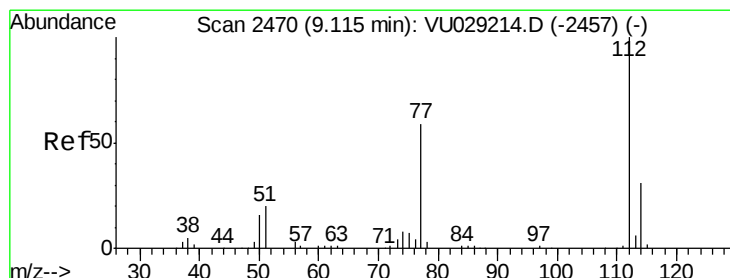
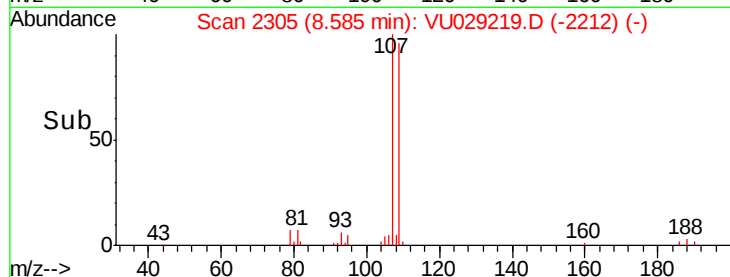
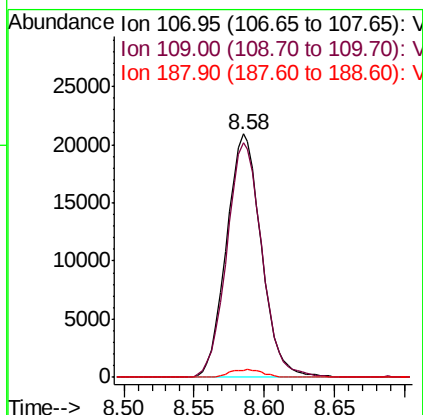
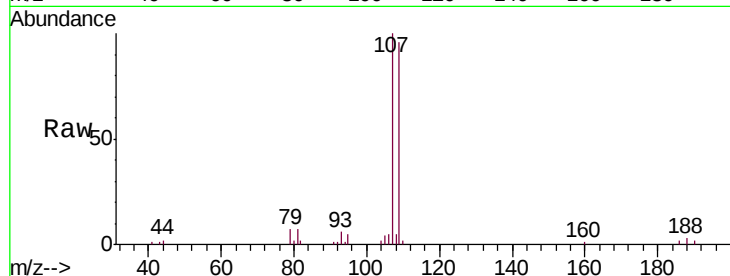




#50
1,2-Dibromoethane
Concen: 5.062 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

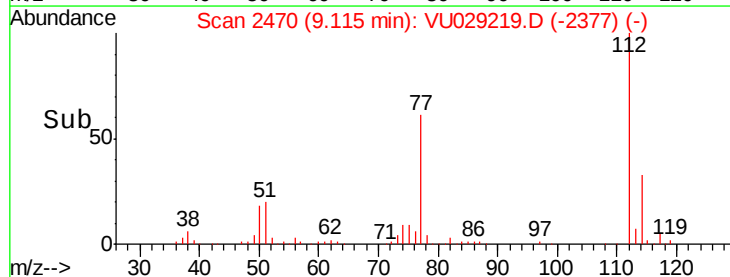
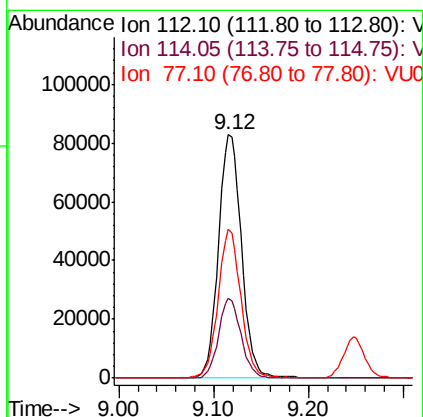
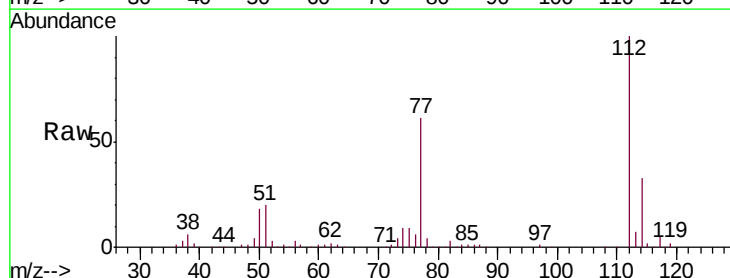
Instrument :
MSVOA_U
ClientSampled :
VSTD00556

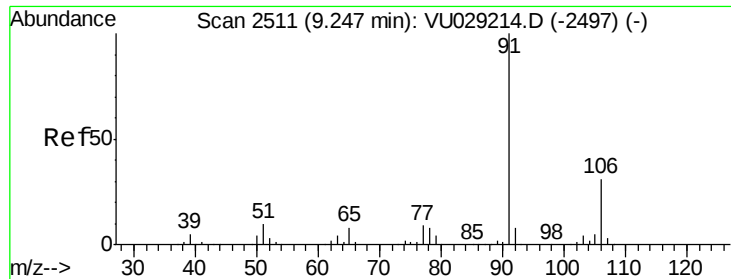
Tgt Ion:107 Resp: 36167
Ion Ratio Lower Upper
107 100
109 96.4 64.0 119.0
188 3.0 3.0 4.4



#51
Chlorobenzene
Concen: 4.734 ug/L
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029219.D
Acq: 18 Jan 2019 13:17

Tgt Ion:112 Resp: 140042
Ion Ratio Lower Upper
112 100
114 32.8 22.2 41.2
77 61.0 44.9 67.3





#52

Ethylbenzene

Concen: 4.691 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

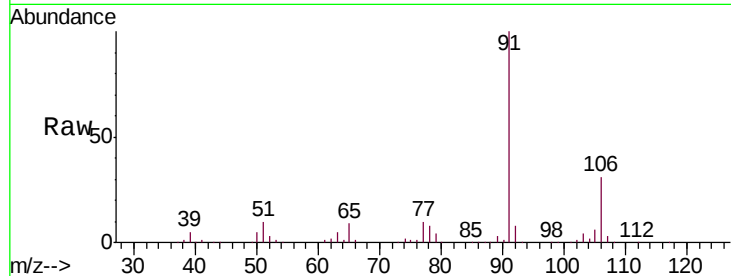
VSTD00556

Tgt Ion: 91 Resp: 234712

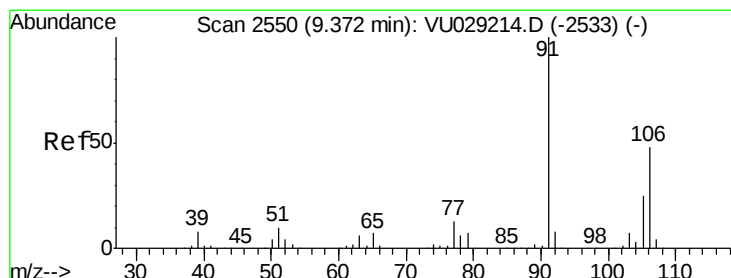
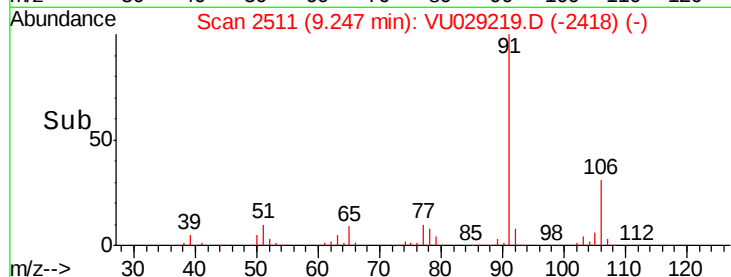
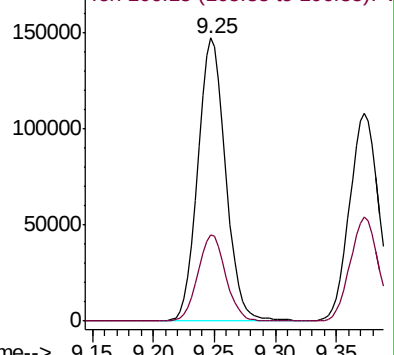
Ion Ratio Lower Upper

91 100

106 30.7 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VU029219.D (-2497) (-)



#53

m,p-xylene

Concen: 4.635 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029219.D

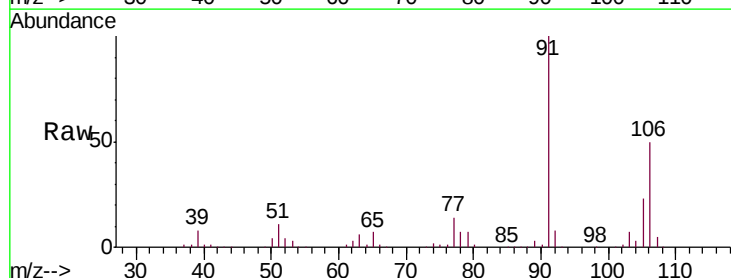
Acq: 18 Jan 2019 13:17

Tgt Ion: 106 Resp: 88242

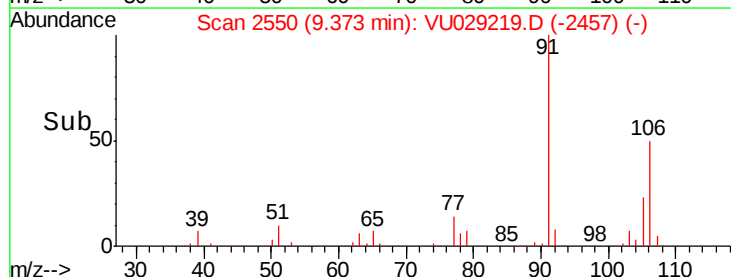
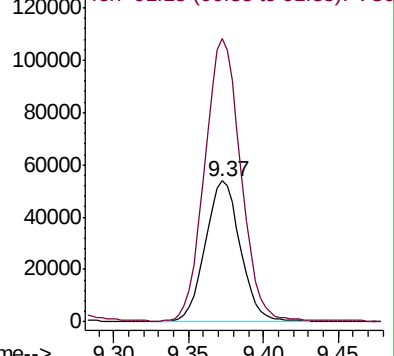
Ion Ratio Lower Upper

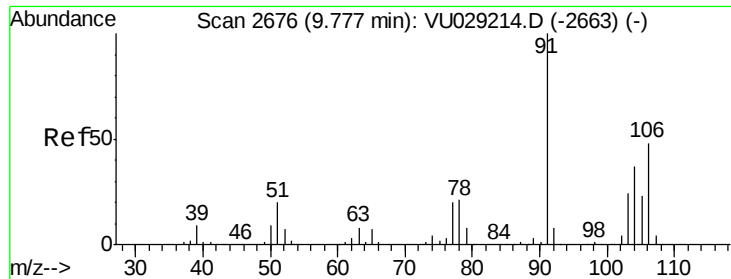
106 100

91 200.5 138.5 257.1



Abundance Ion 106.15 (105.85 to 106.85): VU029219.D (-2533) (-)





#54

o-xylene

Concen: 4.629 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

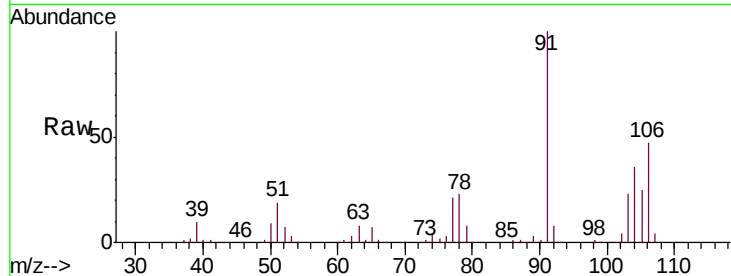
VSTD00556

Tgt Ion:106 Resp: 85547

Ion Ratio Lower Upper

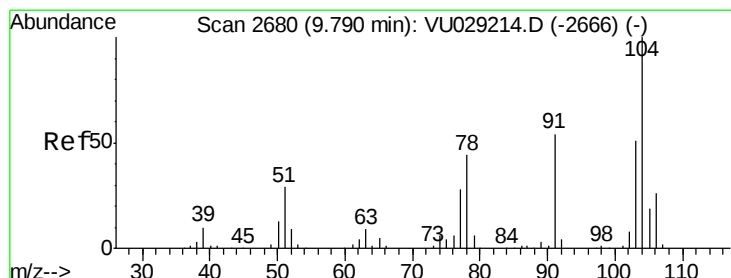
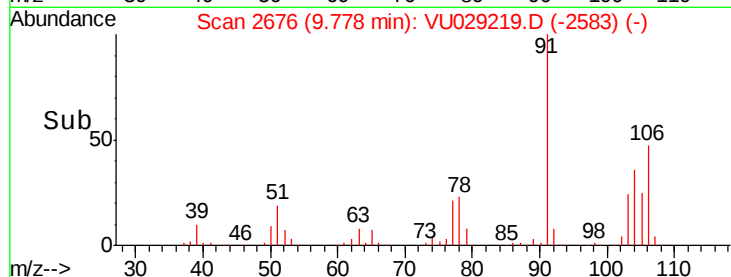
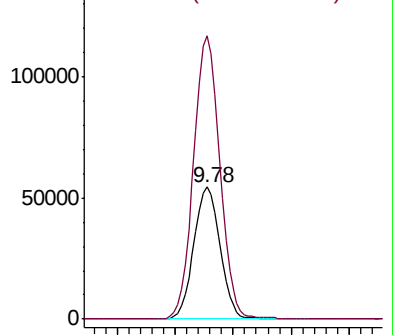
106 100

91 214.5 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.823 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VU029219.D

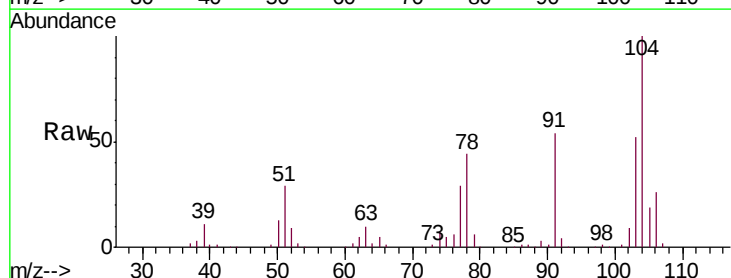
Acq: 18 Jan 2019 13:17

Tgt Ion:104 Resp: 148343

Ion Ratio Lower Upper

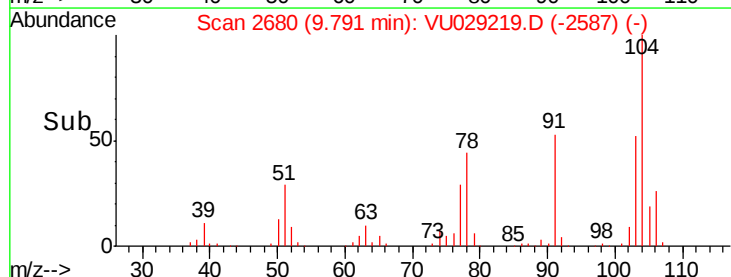
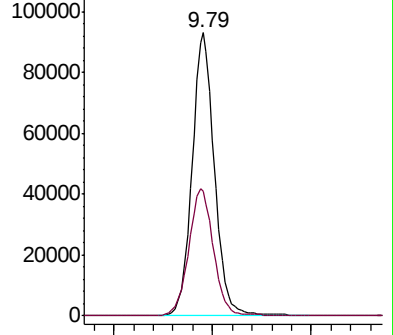
104 100

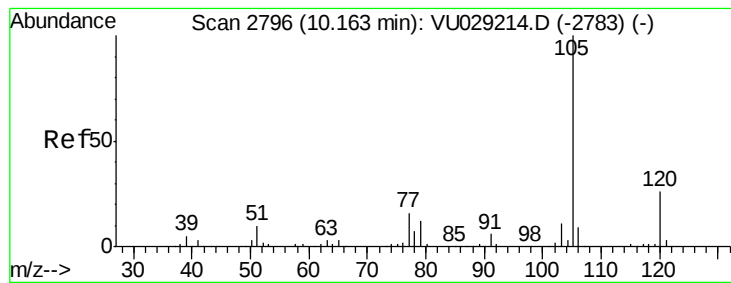
78 43.9 30.9 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.587 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

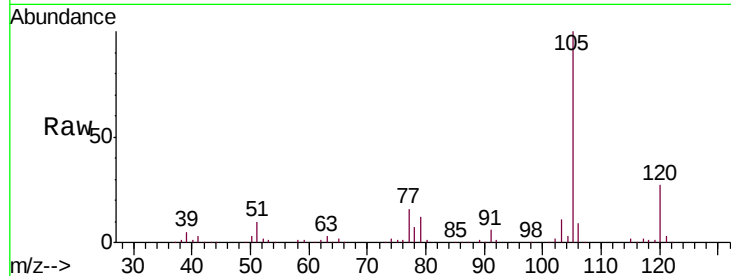
Tgt Ion: 105 Resp: 223581

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

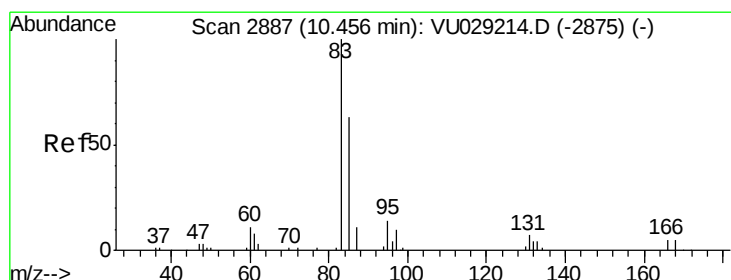
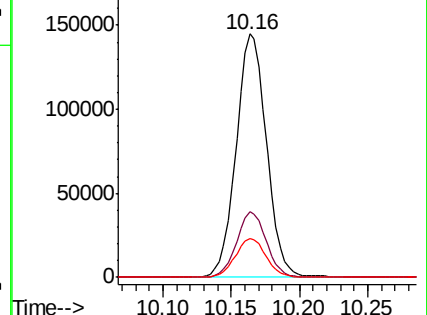
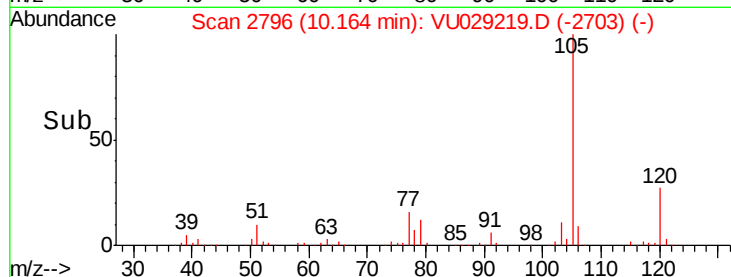
77 16.2 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.526 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

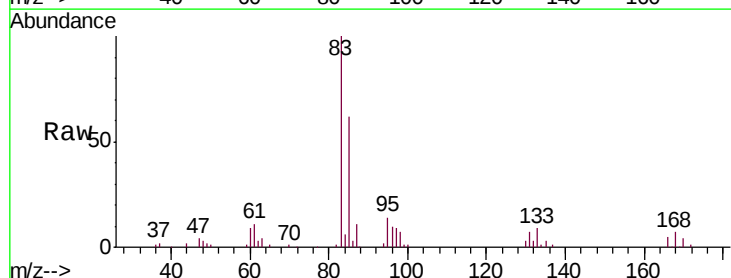
Tgt Ion: 83 Resp: 51674

Ion Ratio Lower Upper

83 100

85 61.6 44.0 81.8

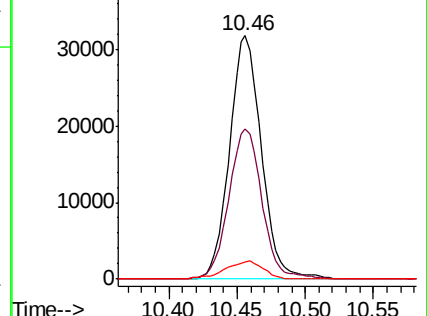
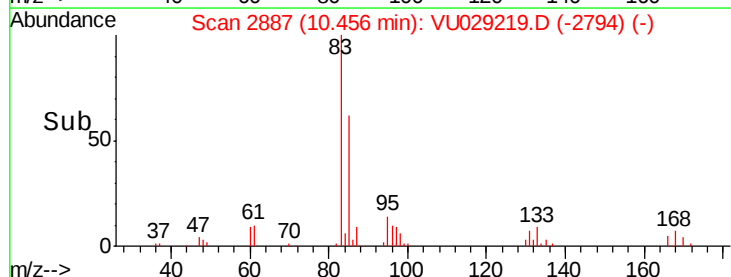
131 7.2 7.8 11.8#

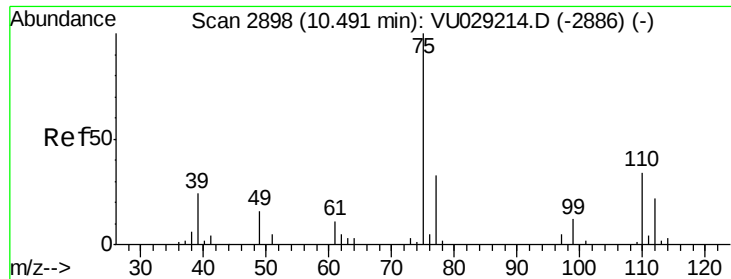


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.392 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

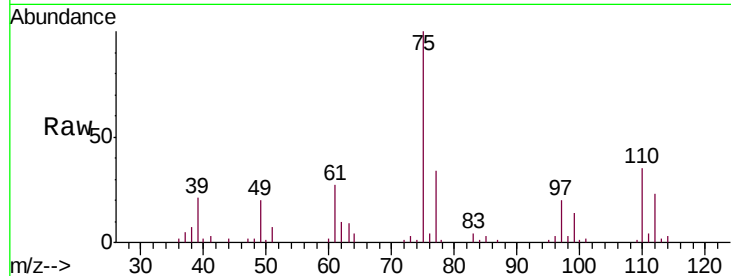
VSTD00556

Tgt Ion: 75 Resp: 35279

Ion Ratio Lower Upper

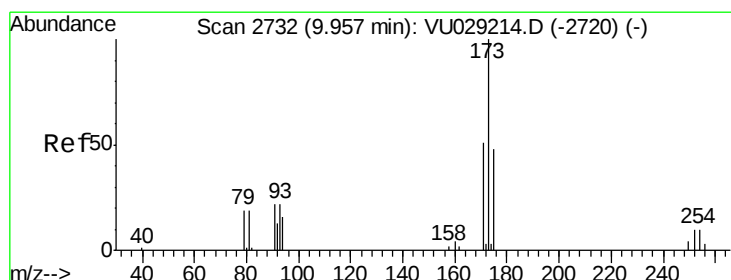
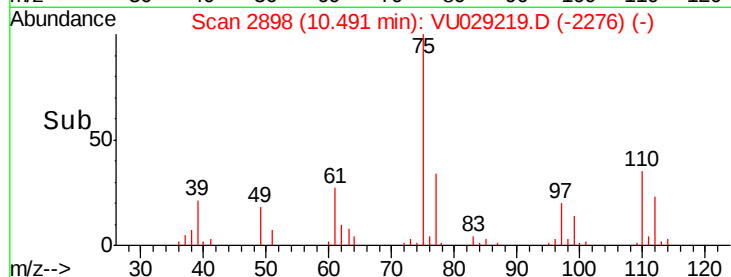
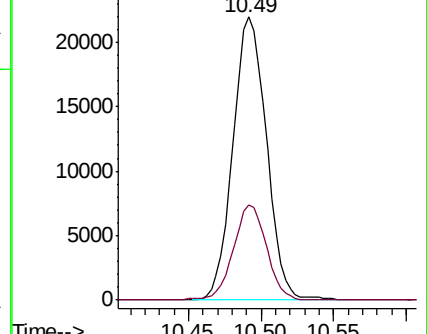
75 100

77 33.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 5.513 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

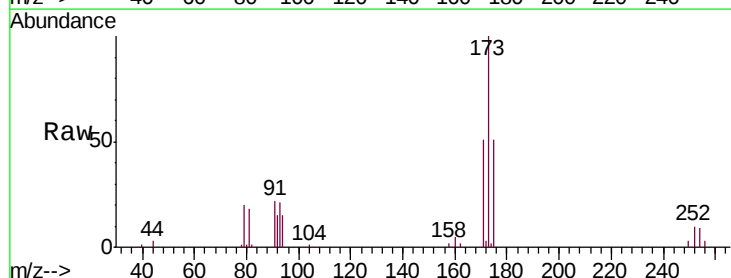
Tgt Ion: 173 Resp: 25161

Ion Ratio Lower Upper

173 100

175 48.5 35.4 53.2

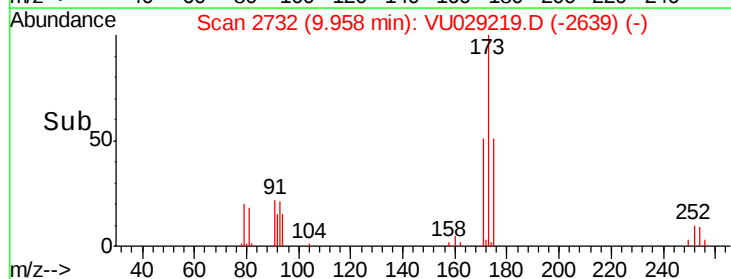
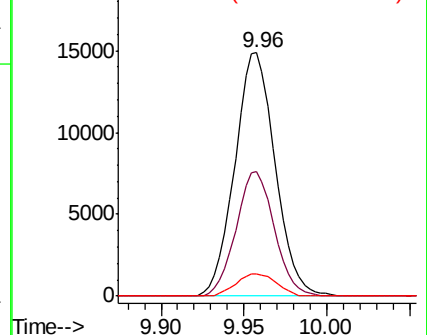
254 9.2 7.5 11.3

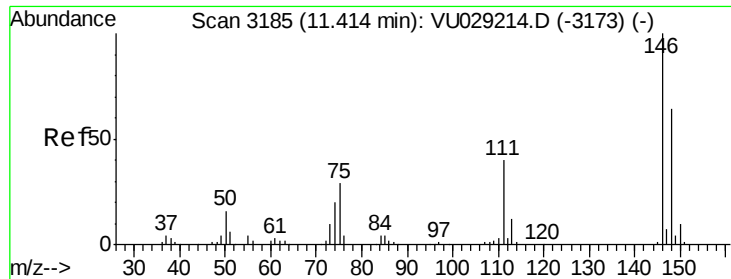


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 4.636 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

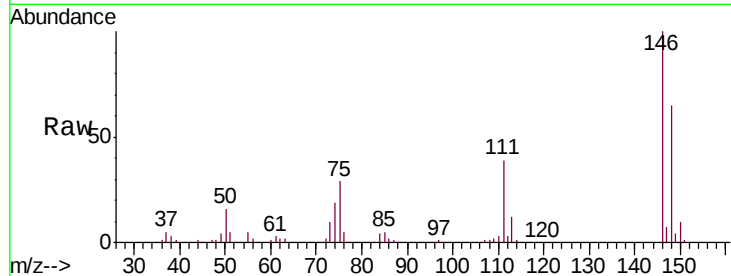
Tgt Ion:146 Resp: 104823

Ion Ratio Lower Upper

146 100

111 38.8 27.7 51.5

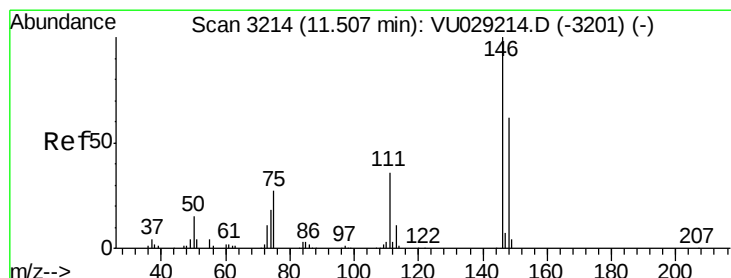
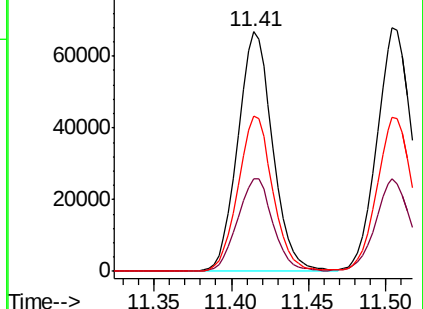
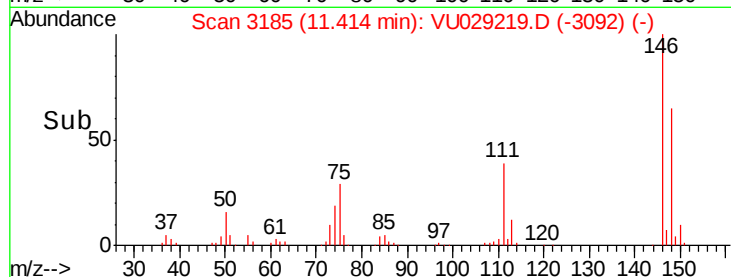
148 65.0 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.767 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

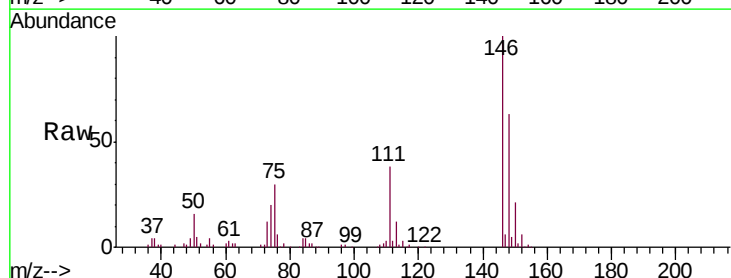
Tgt Ion:146 Resp: 110008

Ion Ratio Lower Upper

146 100

111 37.9 24.9 46.3

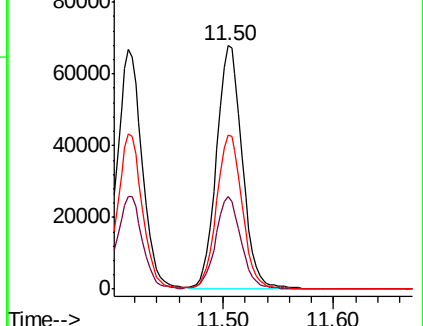
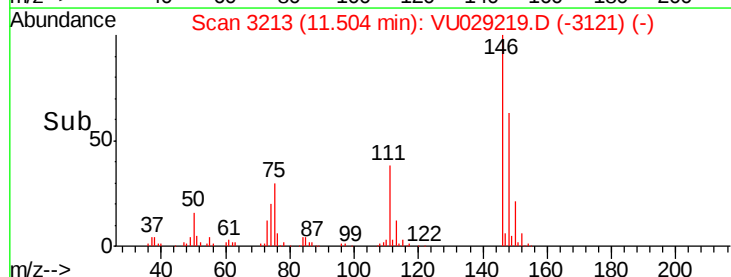
148 63.1 44.9 83.3

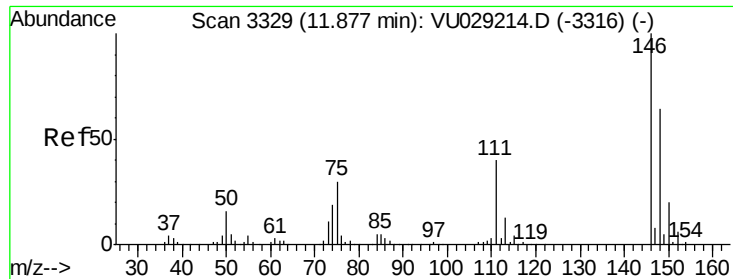


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.818 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

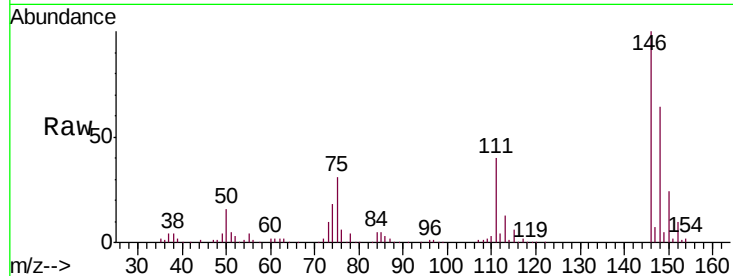
Tgt Ion:146 Resp: 103089

Ion Ratio Lower Upper

146 100

111 40.4 32.2 48.4

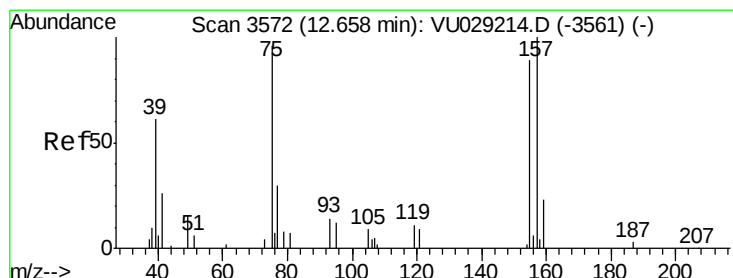
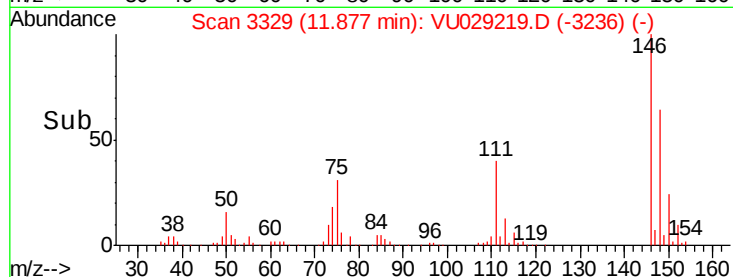
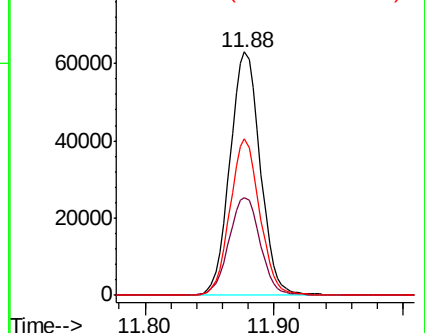
148 64.4 53.2 79.8



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: 5.458 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

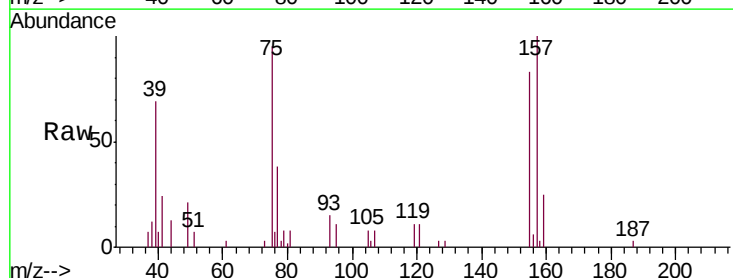
Tgt Ion: 75 Resp: 6896

Ion Ratio Lower Upper

75 100

155 87.6 72.2 108.2

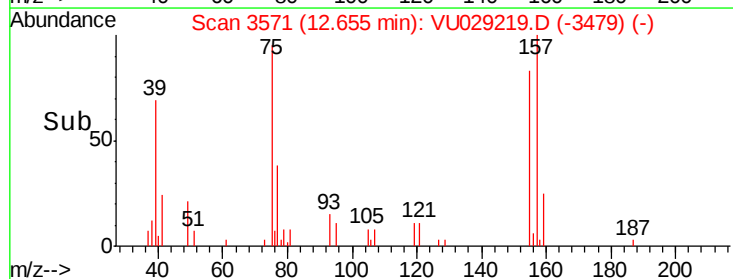
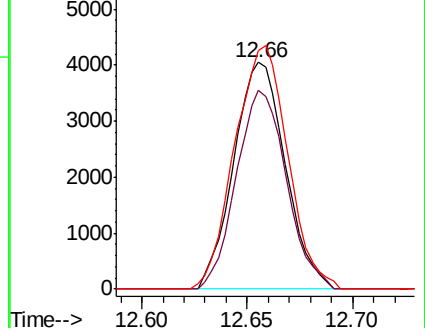
157 105.4 93.0 139.6

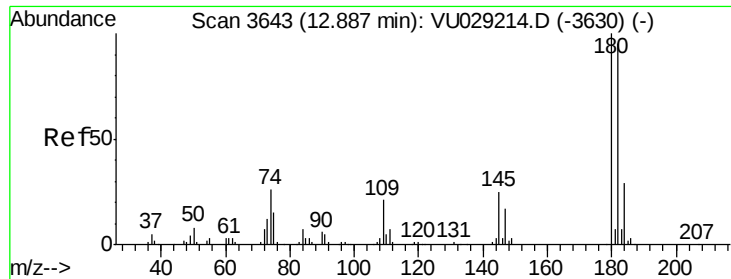


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

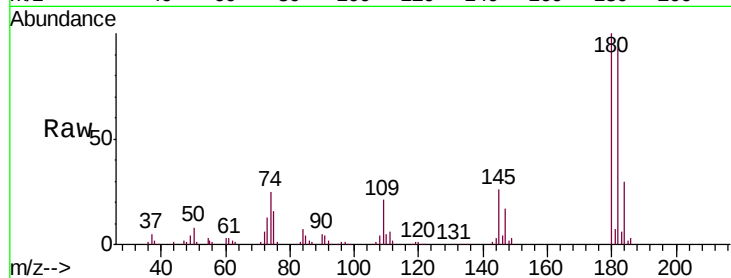




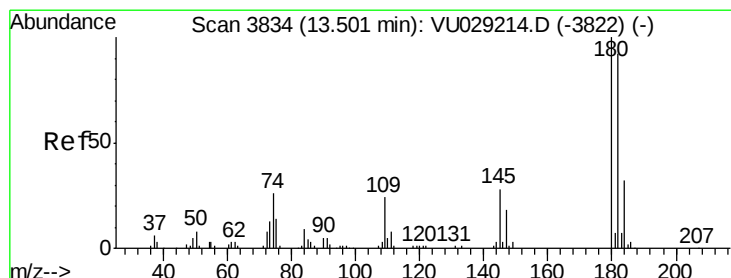
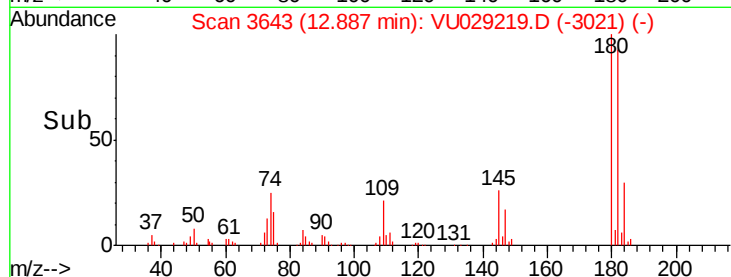
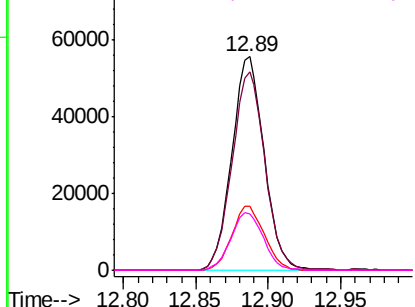
#67
 1,3,5-Trichlorobenzene
 Concen: 4.906 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

Tgt Ion:	180	Resp:	85837
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	114.8
184	30.1	24.4	36.6
145	27.3	21.7	32.5

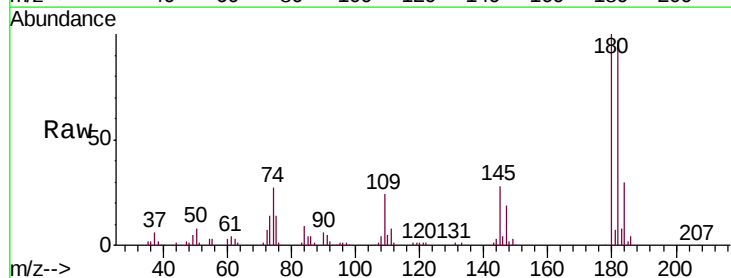


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

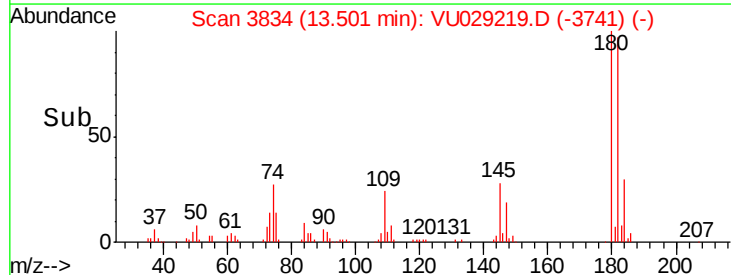
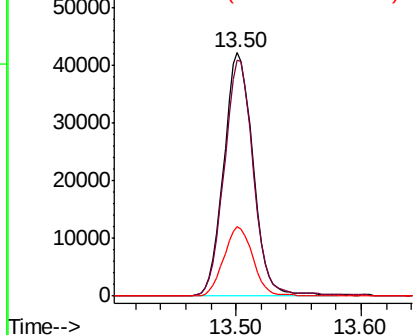


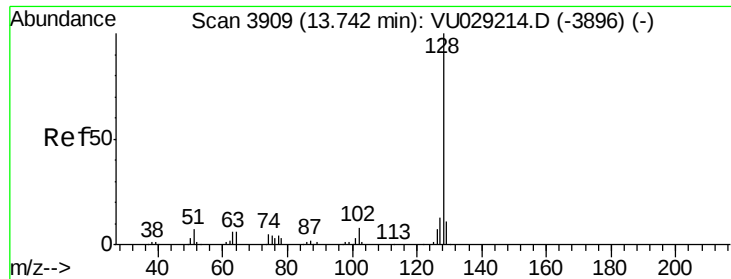
#68
 1,2,4-trichlorobenzene
 Concen: 4.691 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029219.D
 Acq: 18 Jan 2019 13:17

Tgt Ion:	180	Resp:	68402
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.0	114.0
145	28.2	22.6	33.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.417 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

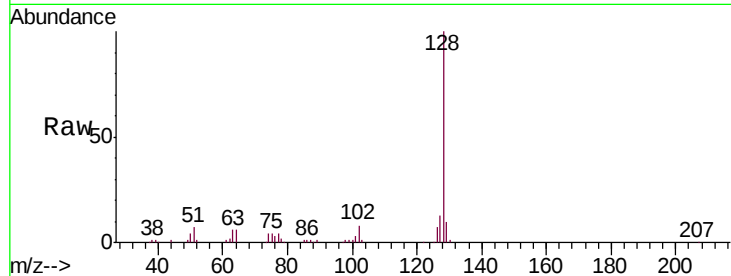
Tgt Ion:128 Resp: 110165

Ion Ratio Lower Upper

128 100

129 10.2 8.3 12.5

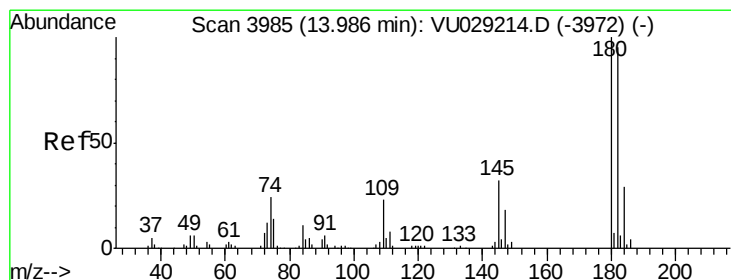
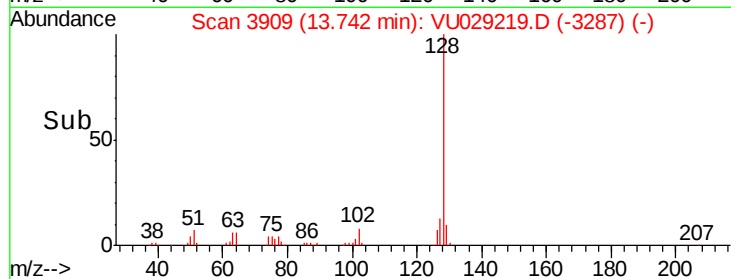
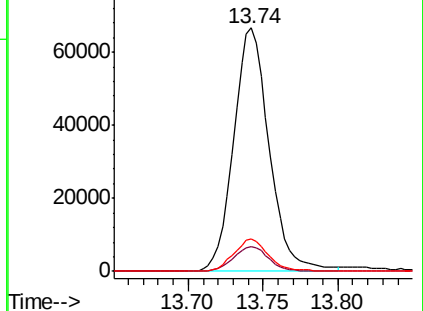
127 13.1 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.647 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029219.D

Acq: 18 Jan 2019 13:17

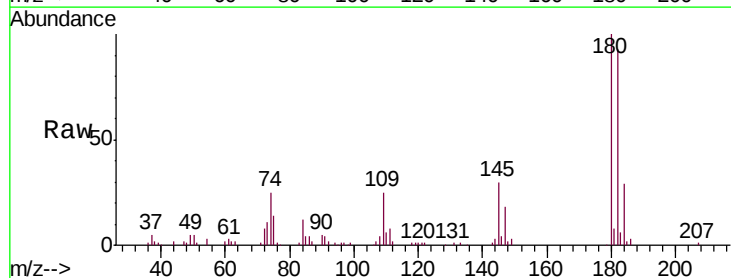
Tgt Ion:180 Resp: 64633

Ion Ratio Lower Upper

180 100

182 97.2 77.1 115.7

145 30.5 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

