

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020119\
 Data File : VU029337.D
 Acq On : 01 Feb 2019 18:18
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Quant Time: Feb 01 23:54:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR020119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 01 23:50:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	61751	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	63389	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	33310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	25242	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.68	69	22779	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.27	63	63938	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.19	46	75958	48.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.16%
24) Chloroform-d	4.65	84	57994	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.31	65	35306	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.34	84	94533	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.33	67	29810	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.56	98	91431	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.85	79	14428	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.31	63	61654	51.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25537	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	36218	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	41278	5.055 ug/L	99
3) Chloromethane	1.32	50	32047	5.264 ug/L	99
5) Vinyl chloride	1.40	62	35652	5.510 ug/L	100
6) Bromomethane	1.63	94	20825	4.861 ug/L	99
8) Chloroethane	1.70	64	23128	4.763 ug/L	94
9) Trichlorofluoromethane	1.88	101	61573	5.167 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	27529	4.889 ug/L	96
12) 1,1-Dichloroethene	2.28	96	24619	5.137 ug/L	93
13) Acetone	2.32	43	63474	43.996 ug/L	98
14) Carbon disulfide	2.48	76	87459	4.841 ug/L	98
15) Methyl Acetate	2.62	43	16427	4.834 ug/L	100
16) Methylene chloride	2.70	84	28143	4.870 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	75950	4.974 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	26574	4.958 ug/L	95
19) 1,1-Dichloroethane	3.44	63	59782	5.176 ug/L	97
21) 2-Butanone	4.28	43	76371	48.354 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	26855	5.180 ug/L	94

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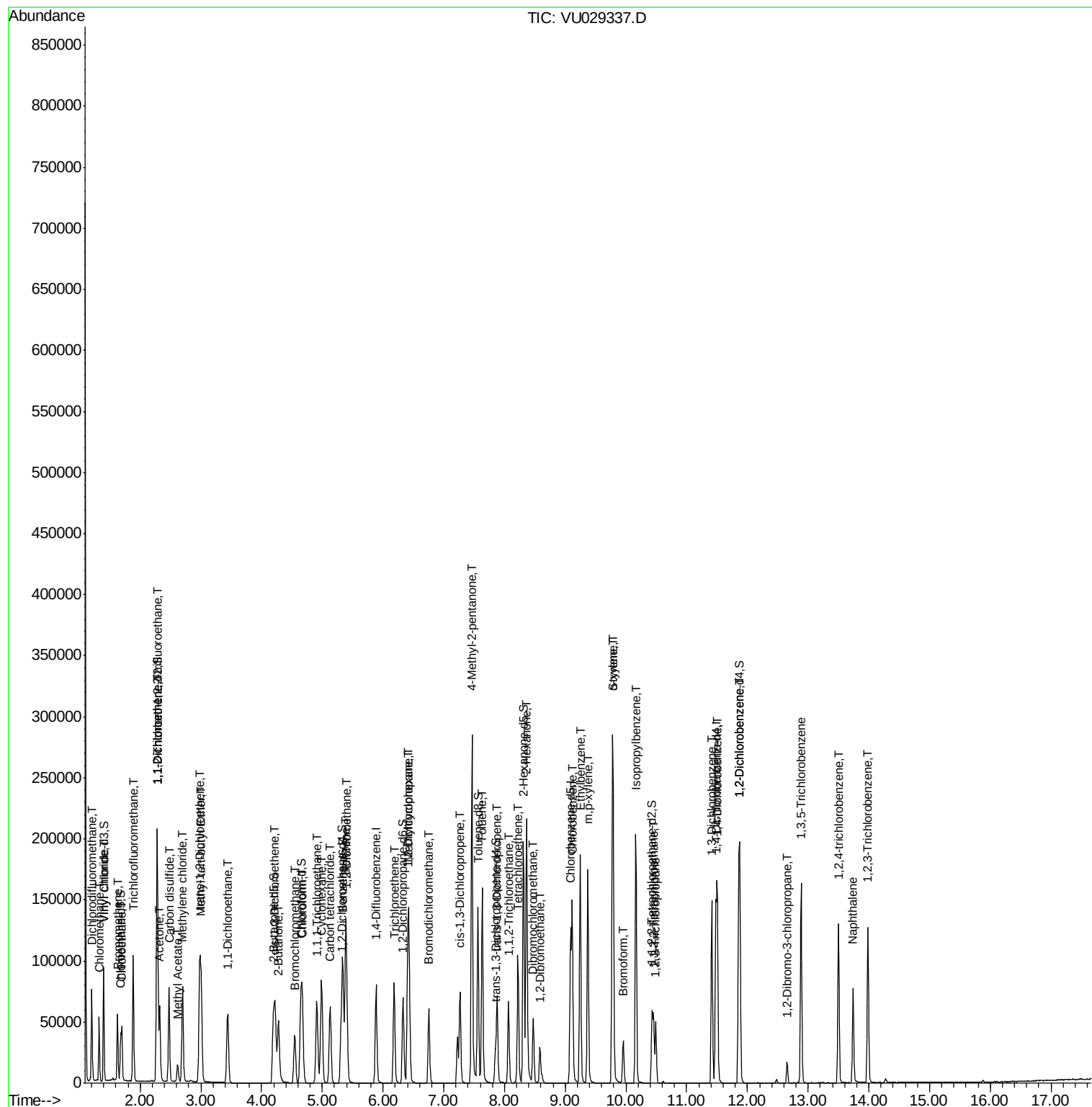
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	12267	5.290	ug/L	99
25) Chloroform	4.67	83	56079	5.135	ug/L	99
27) 1,2-Dichloroethane	5.41	62	43593	5.247	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	51828	5.021	ug/L	100
30) Cyclohexane	4.99	56	39682	4.886	ug/L	98
31) Carbon tetrachloride	5.13	117	45826	5.058	ug/L	97
33) Benzene	5.39	78	104943	5.138	ug/L	100
34) Trichloroethene	6.18	95	28100	5.072	ug/L	98
35) Methylcyclohexane	6.41	83	39866	4.900	ug/L	99
37) 1,2-Dichloropropane	6.43	63	28779	5.206	ug/L	100
38) Bromodichloromethane	6.75	83	40305	5.044	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	40772	5.065	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	190988	49.975	ug/L	100
42) Toluene	7.63	91	113488	5.262	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	38127	5.232	ug/L	94
45) 1,1,2-Trichloroethane	8.06	97	19051	4.967	ug/L	97
47) Tetrachloroethene	8.22	164	23117	5.042	ug/L	94
48) 2-Hexanone	8.36	43	138151	48.248	ug/L	100
49) Dibromochloromethane	8.47	129	26351	5.130	ug/L	99
50) 1,2-Dibromoethane	8.59	107	18227	5.018	ug/L	98
51) Chlorobenzene	9.12	112	71842	5.132	ug/L	98
52) Ethylbenzene	9.25	91	123007	5.139	ug/L	99
53) m,p-xylene	9.37	106	46487	5.159	ug/L	93
54) o-xylene	9.78	106	44282	5.131	ug/L	98
55) Styrene	9.79	104	80270	5.413	ug/L	98
56) Isopropylbenzene	10.16	105	122869	5.233	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	24188	4.885	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	19367	4.917	ug/L	100
61) Bromoform	9.95	173	15497	5.062	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	56234	4.932	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	58636	4.929	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	57143	5.128	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5208	5.368	ug/L	91
67) 1,3,5-Trichlorobenzene	12.88	180	48343	5.041	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	38562	4.707	ug/L	100
69) Naphthalene	13.74	128	61350	4.642	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	38038	4.741	ug/L	100

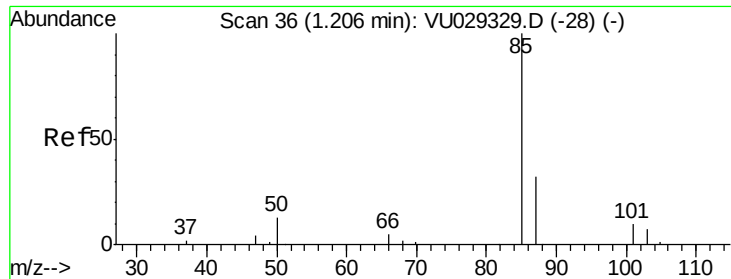
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.055 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

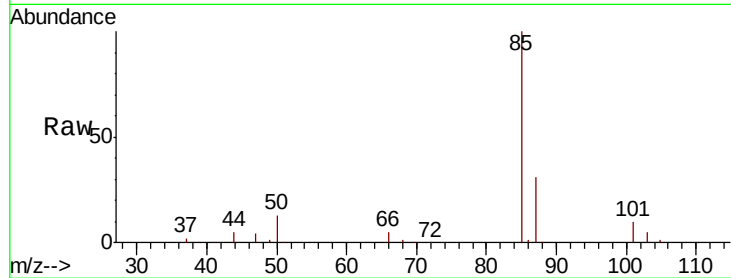
VSTD00549

Tgt Ion: 85 Resp: 41278

Ion Ratio Lower Upper

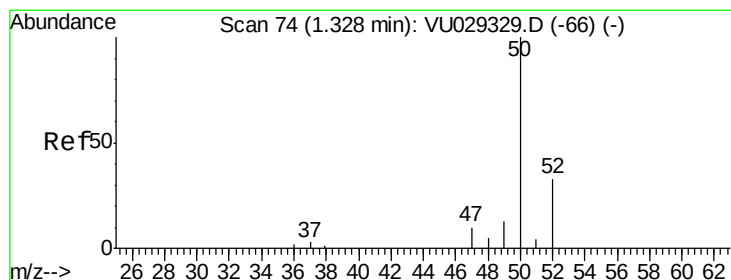
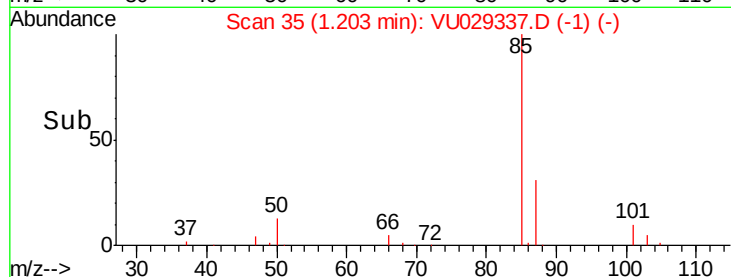
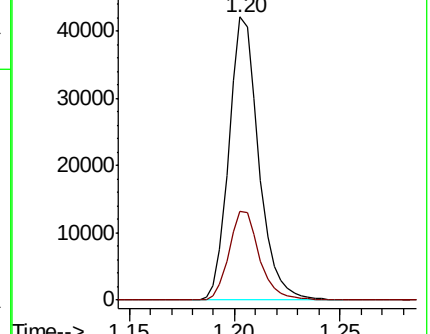
85 100

87 31.9 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.264 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029337.D

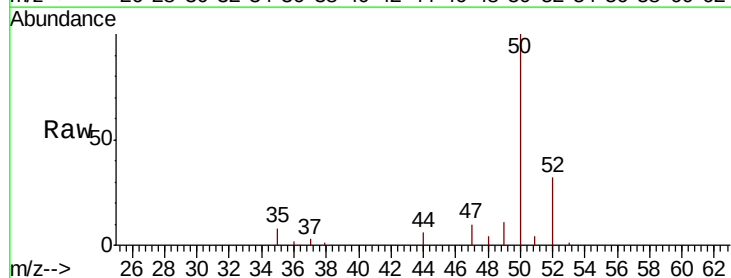
Acq: 01 Feb 2019 18:18

Tgt Ion: 50 Resp: 32047

Ion Ratio Lower Upper

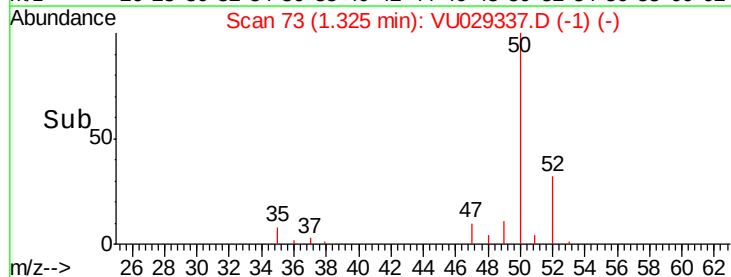
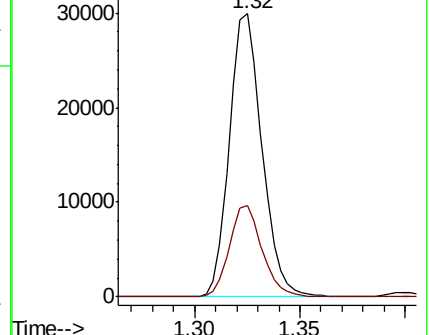
50 100

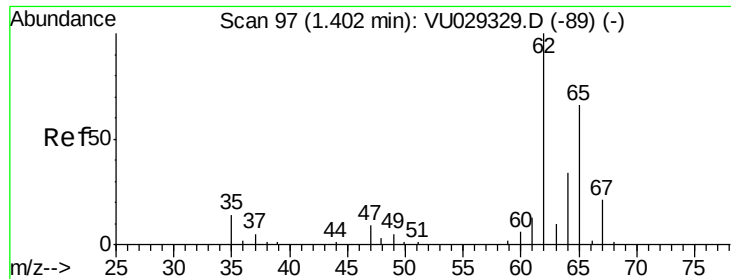
52 32.5 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.510 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

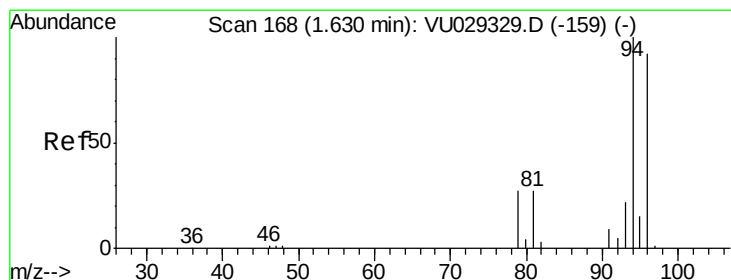
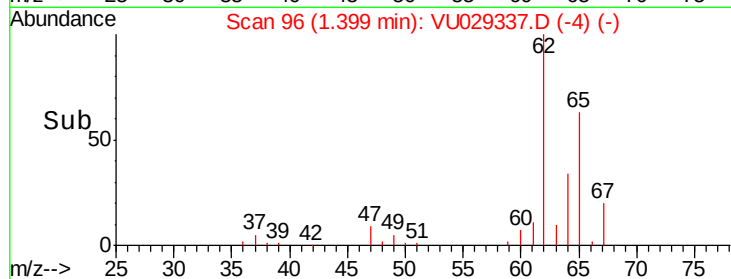
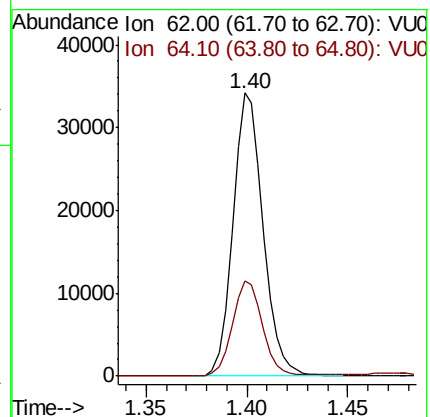
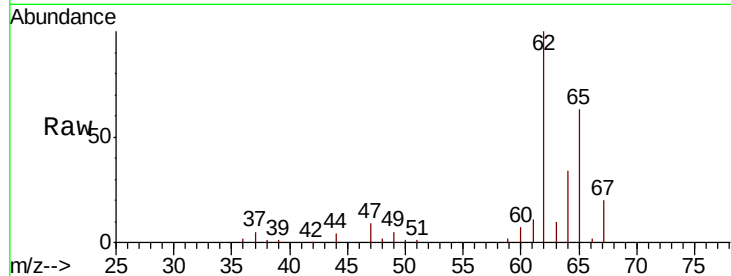
VSTD00549

Tgt Ion: 62 Resp: 35652

Ion Ratio Lower Upper

62 100

64 33.7 23.7 43.9



#6

Bromomethane

Concen: 4.861 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU029337.D

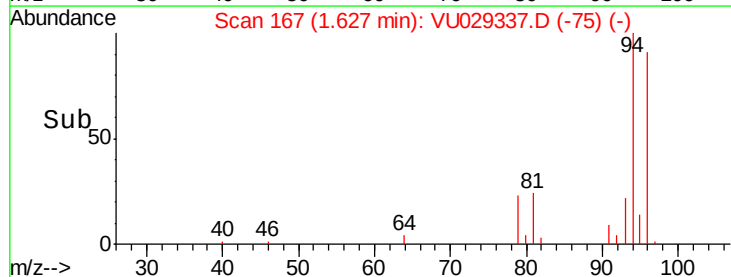
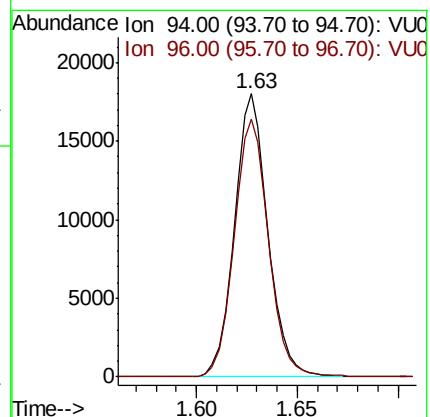
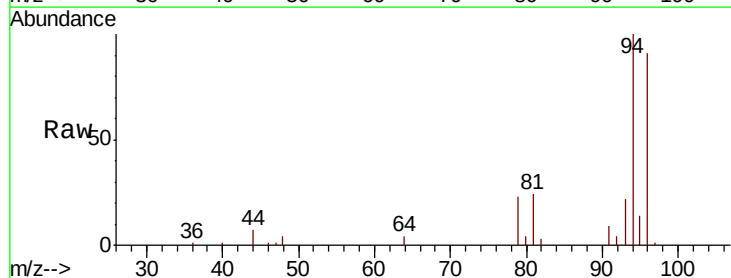
Acq: 01 Feb 2019 18:18

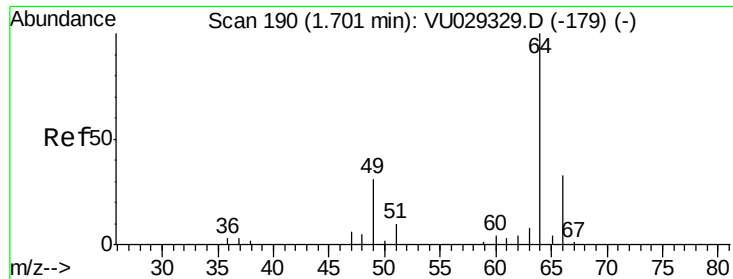
Tgt Ion: 94 Resp: 20825

Ion Ratio Lower Upper

94 100

96 91.3 64.5 119.7

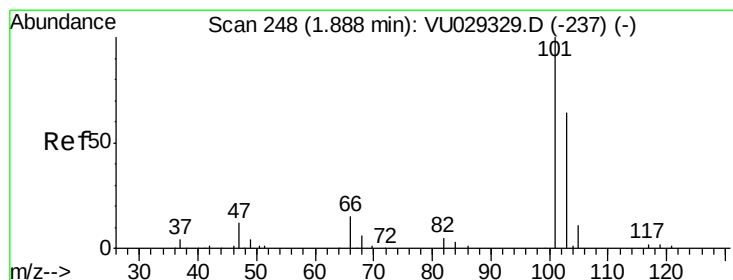
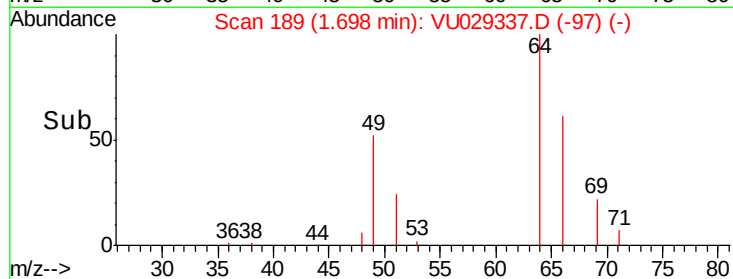
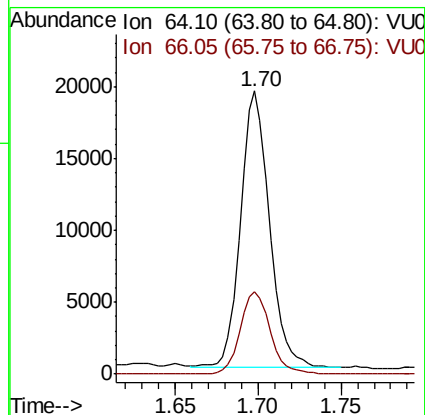
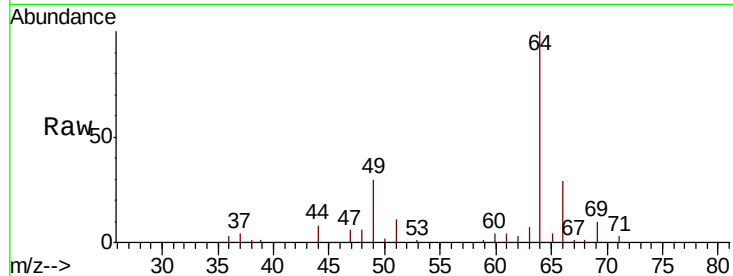




#8
Chloroethane
Concen: 4.763 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

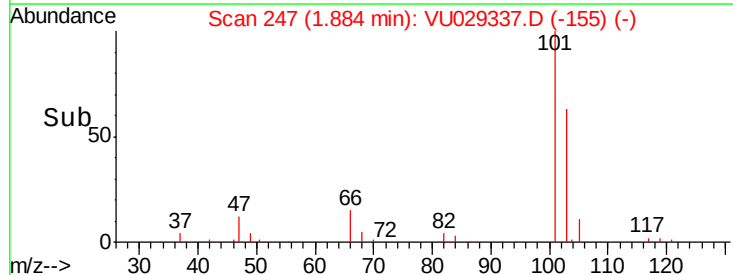
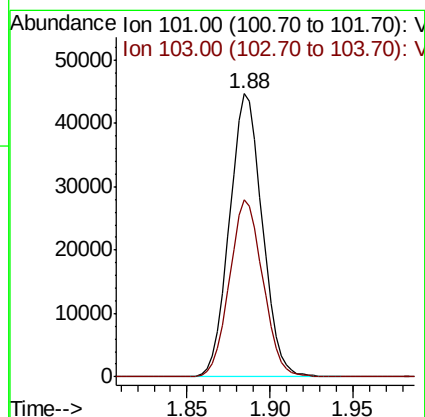
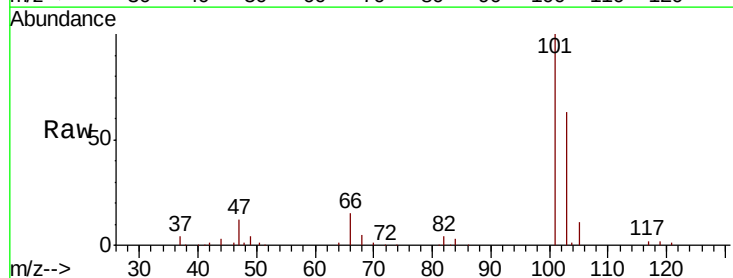
Instrument :
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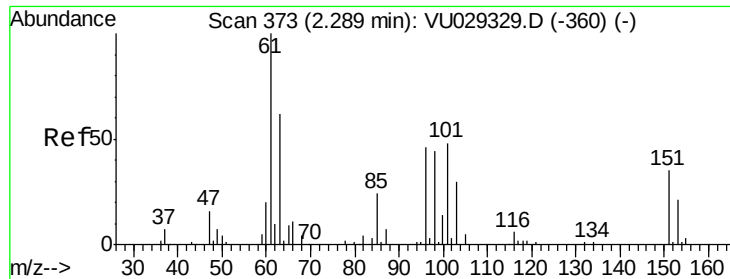
Tgt Ion: 64 Resp: 23128
Ion Ratio Lower Upper
64 100
66 29.2 22.7 42.3



#9
Trichlorofluoromethane
Concen: 5.167 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Tgt Ion: 101 Resp: 61573
Ion Ratio Lower Upper
101 100
103 63.4 51.4 77.2





#10

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

Concen: 4.889 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

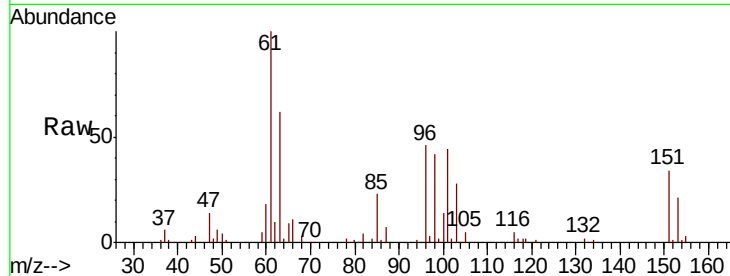
Tgt Ion: 101 Resp: 27529

Ion Ratio Lower Upper

101 100

85 51.1 39.6 59.4

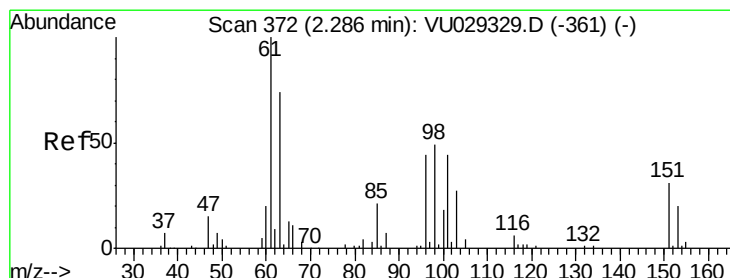
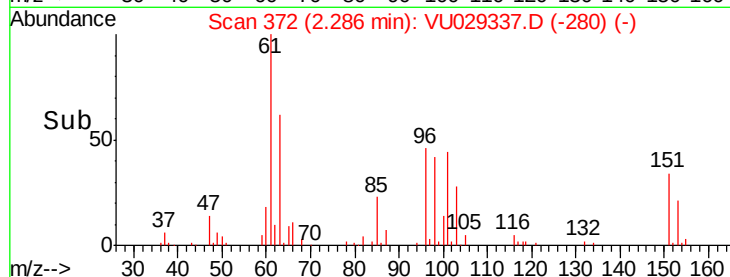
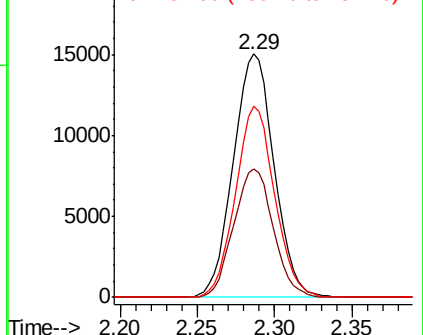
151 75.5 57.2 85.8



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: 5.137 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

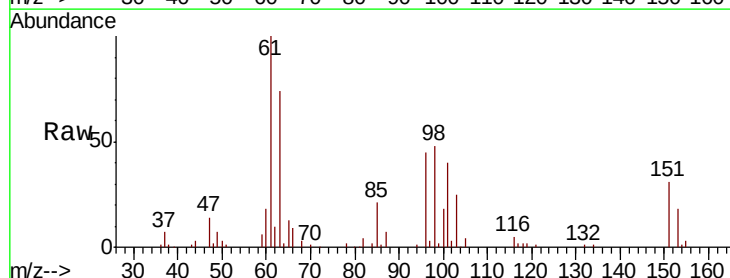
Tgt Ion: 96 Resp: 24619

Ion Ratio Lower Upper

96 100

61 221.3 159.5 296.1

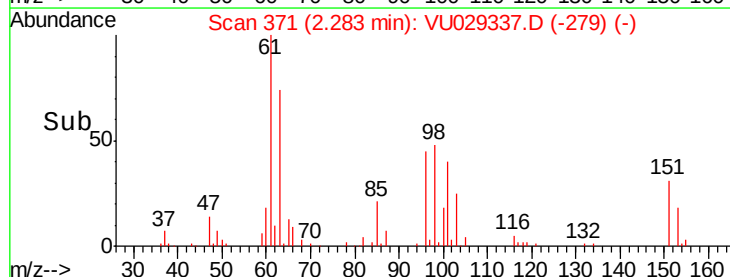
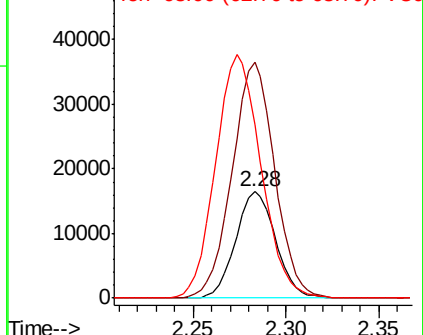
63 162.8 124.3 230.8

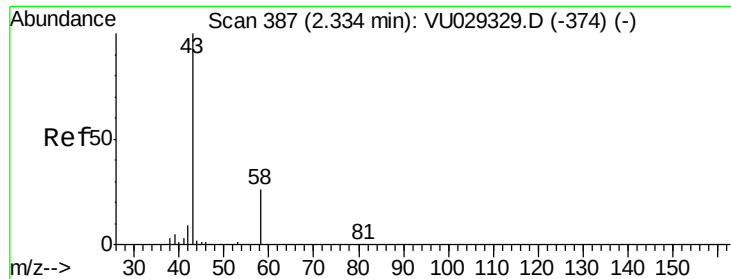


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.996 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

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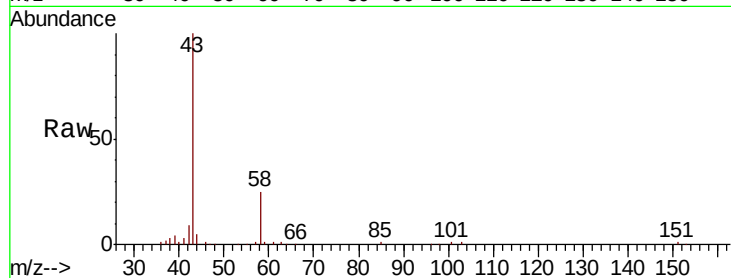
VSTD00549

Tgt Ion: 43 Resp: 63474

Ion Ratio Lower Upper

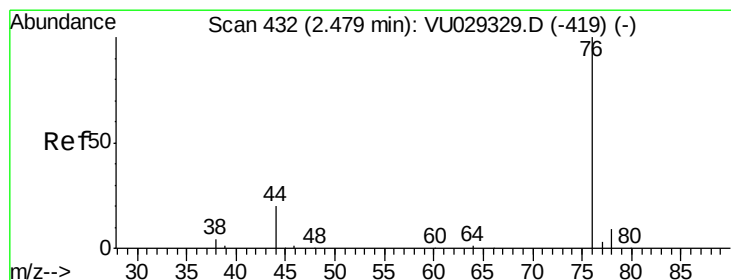
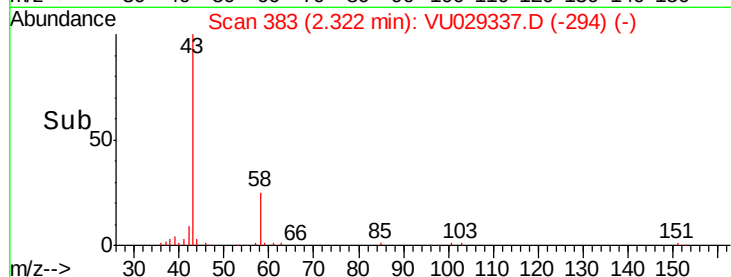
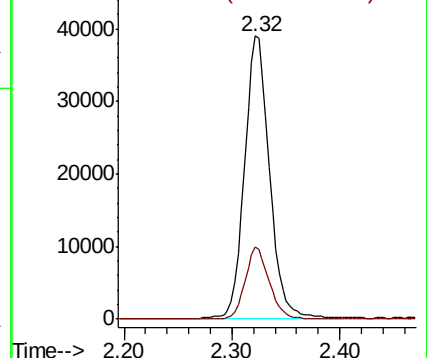
43 100

58 24.1 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.841 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029337.D

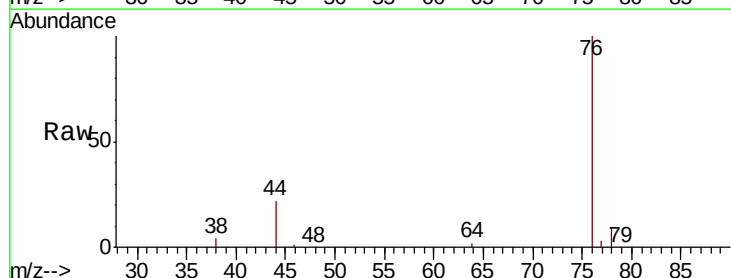
Acq: 01 Feb 2019 18:18

Tgt Ion: 76 Resp: 87459

Ion Ratio Lower Upper

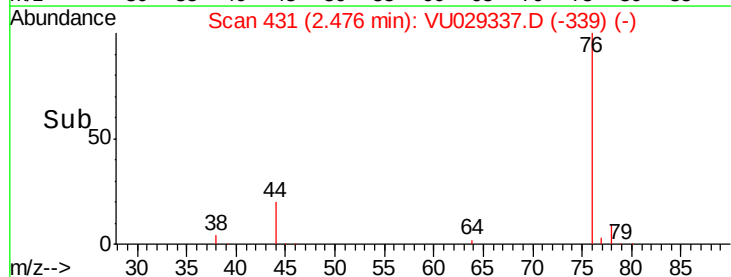
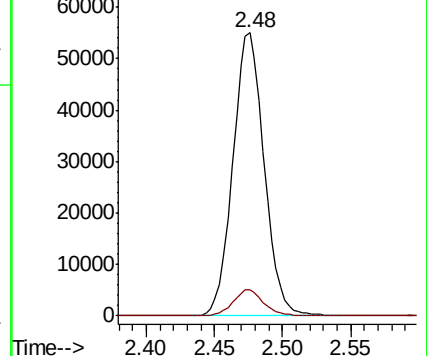
76 100

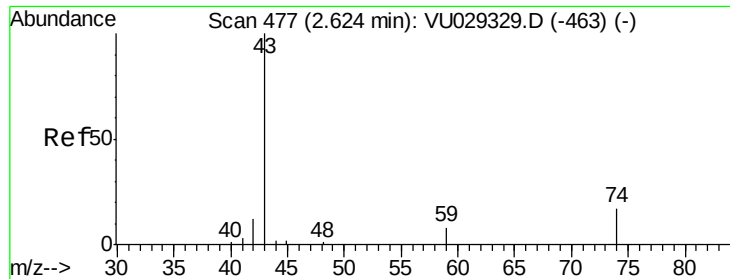
78 9.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 4.834 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.01 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

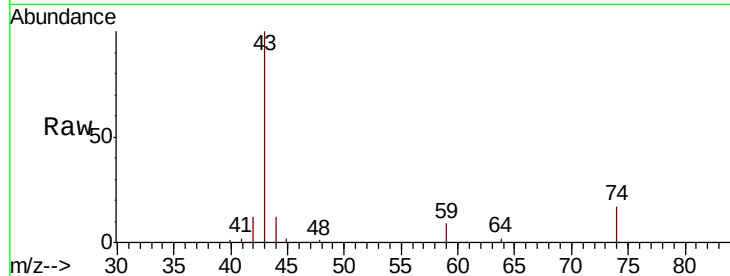
VSTD00549

Tgt Ion: 43 Resp: 16427

Ion Ratio Lower Upper

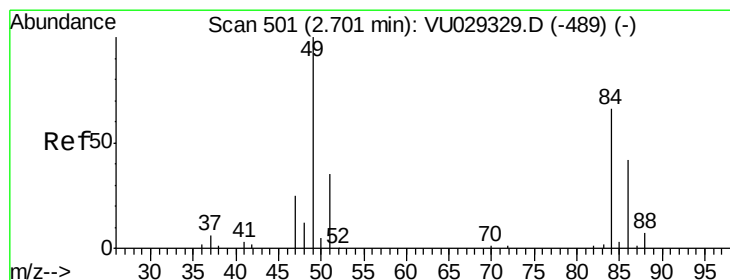
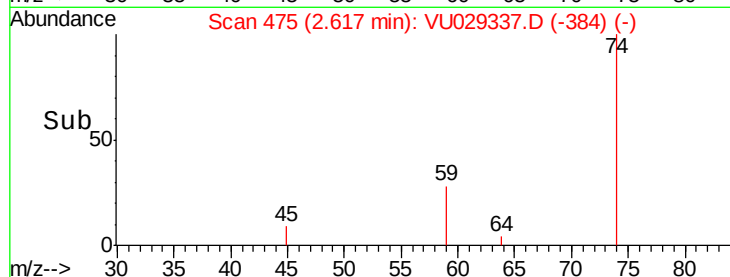
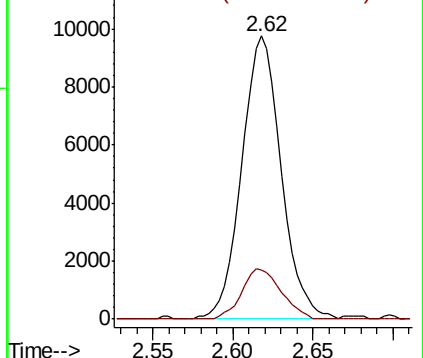
43 100

74 17.7 14.2 21.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.870 ug/L

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

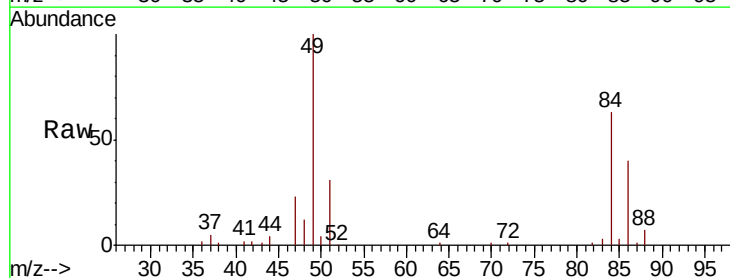
Tgt Ion: 84 Resp: 28143

Ion Ratio Lower Upper

84 100

86 64.0 44.3 82.3

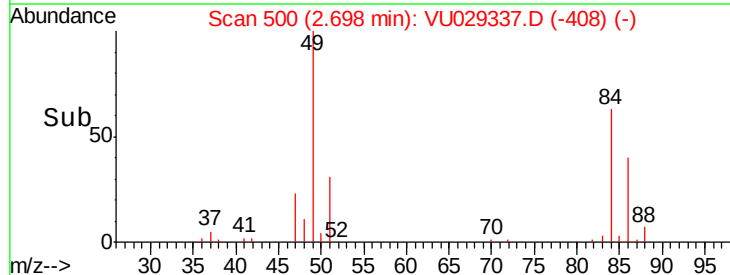
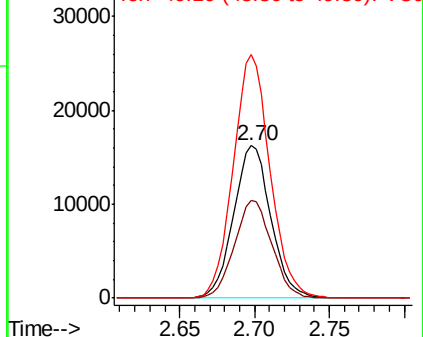
49 159.4 106.1 197.1

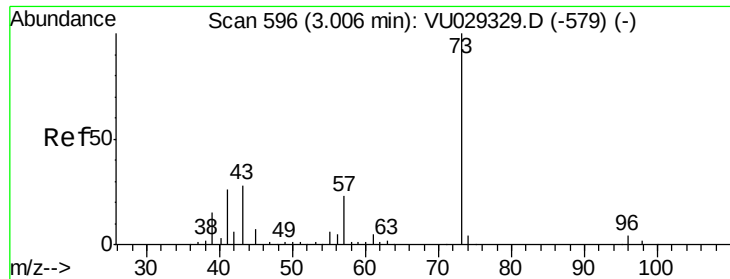


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

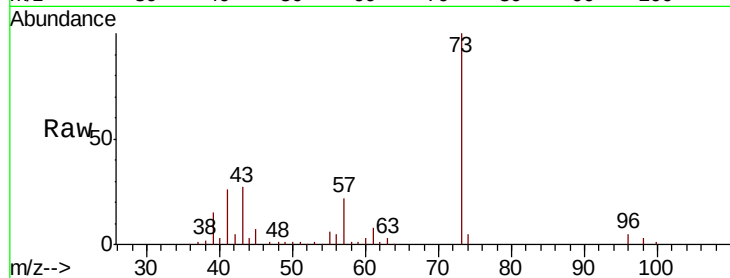




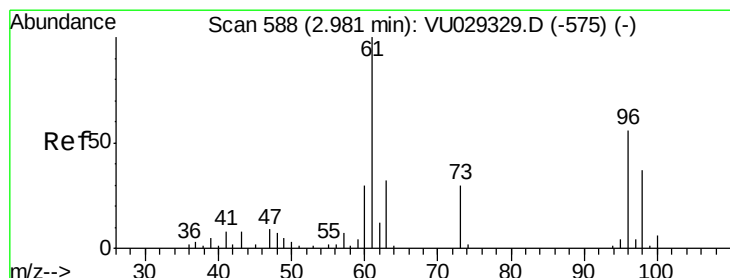
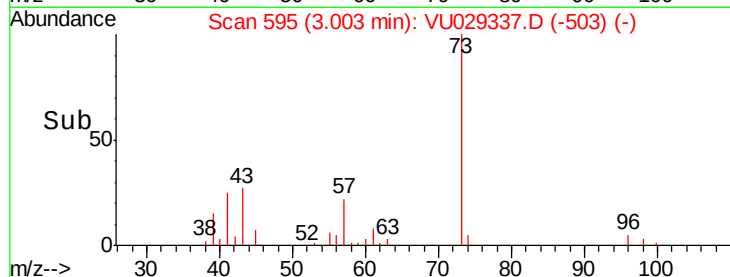
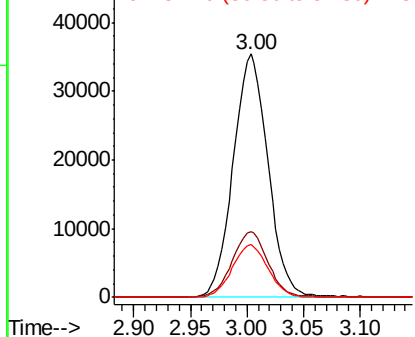
#17
Methyl tert-butyl Ether
Concen: 4.974 ug/L
RT: 3.00 min Scan# 595
Delta R.T. -0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Tgt Ion: 73 Resp: 75950
Ion Ratio Lower Upper
73 100
43 27.8 21.9 32.9
57 22.1 18.2 27.2

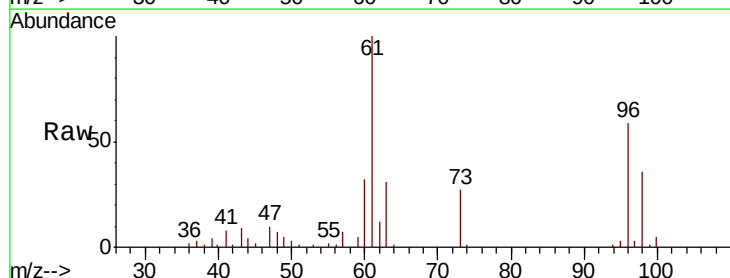


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

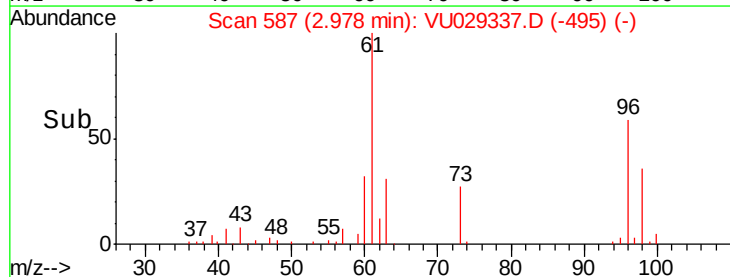
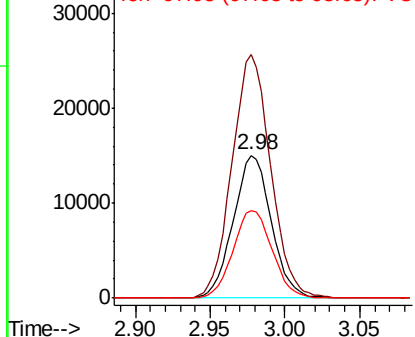


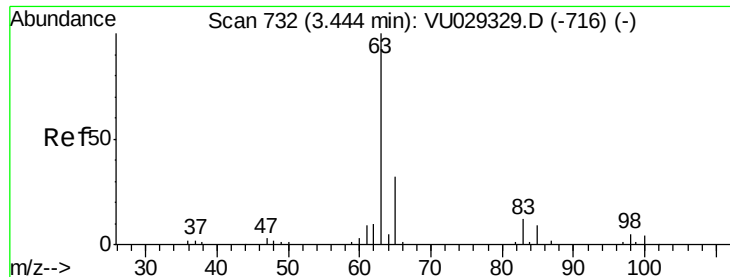
#18
trans-1,2-Dichloroethene
Concen: 4.958 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Tgt Ion: 96 Resp: 26574
Ion Ratio Lower Upper
96 100
61 170.7 124.3 230.9
98 61.6 45.9 85.3



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

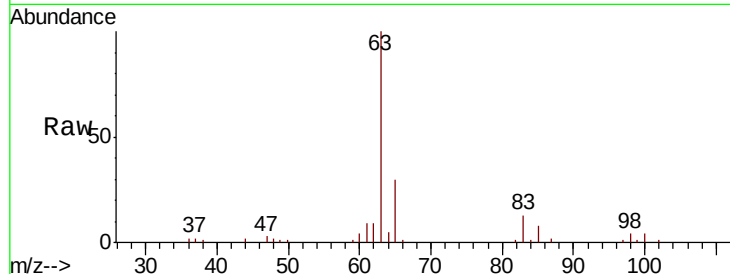




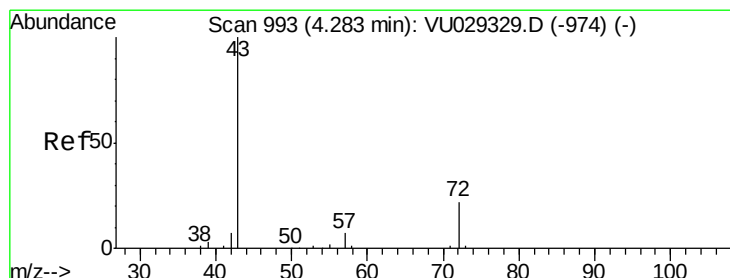
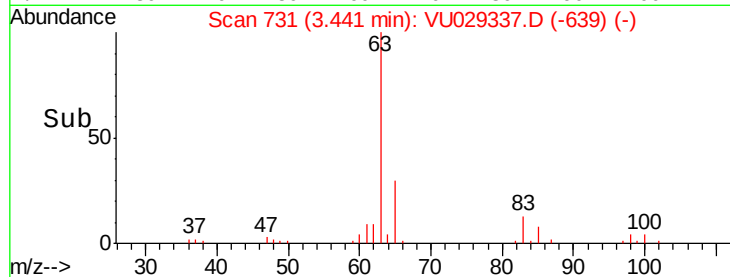
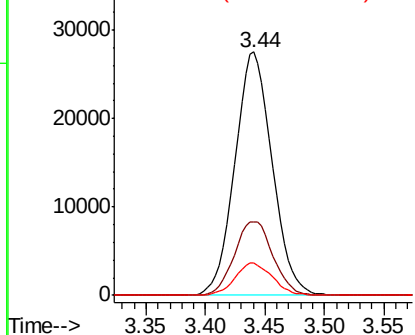
#19
 1,1-Dichloroethane
 Concen: 5.176 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion: 63 Resp: 59782
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.5 41.7
 83 13.1 8.7 16.1

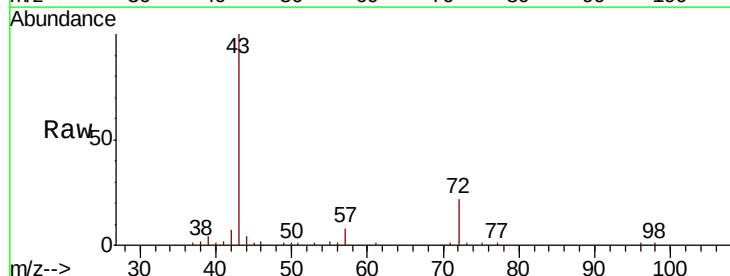


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

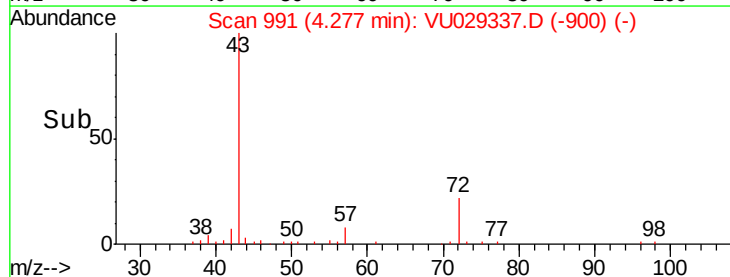
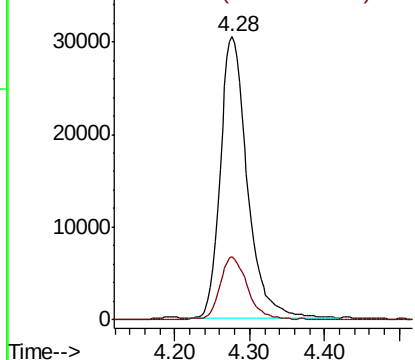


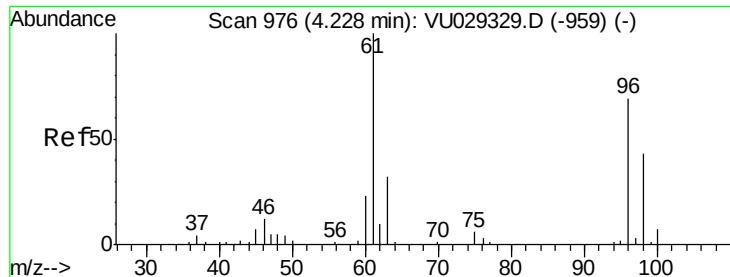
#21
 2-Butanone
 Concen: 48.354 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Tgt Ion: 43 Resp: 76371
 Ion Ratio Lower Upper
 43 100
 72 22.8 11.8 35.3



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: 5.180 ug/L

RT: 4.22 min Scan# 974

Delta R.T. -0.01 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

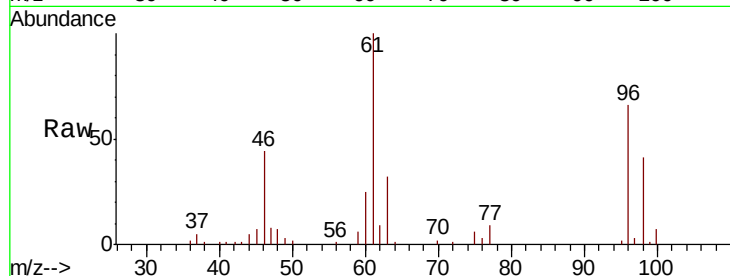
Tgt Ion: 96 Resp: 26855

Ion Ratio Lower Upper

96 100

61 152.0 101.4 188.2

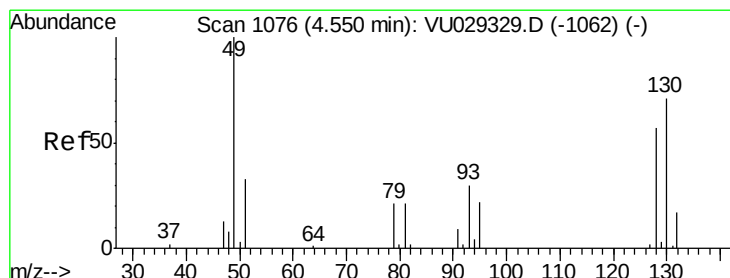
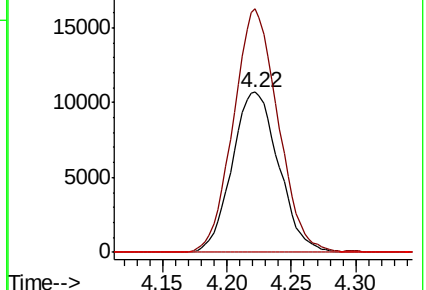
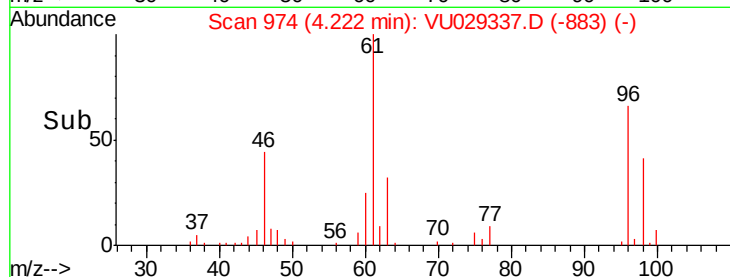
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU029337.D (-883) (-)

Ion 61.05 (60.75 to 61.75): VU029337.D (-883) (-)

Ion 68.15 (67.85 to 68.85): VU029337.D (-883) (-)



#23

Bromochloromethane

Concen: 5.290 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Tgt Ion: 128 Resp: 12267

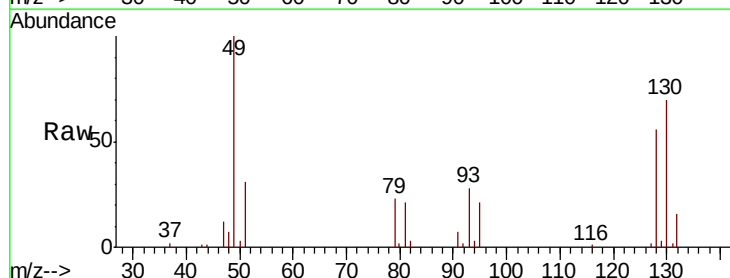
Ion Ratio Lower Upper

128 100

49 177.4 125.2 232.6

130 124.4 87.8 163.0

51 55.5 46.4 69.6

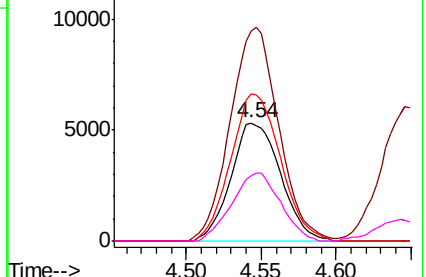
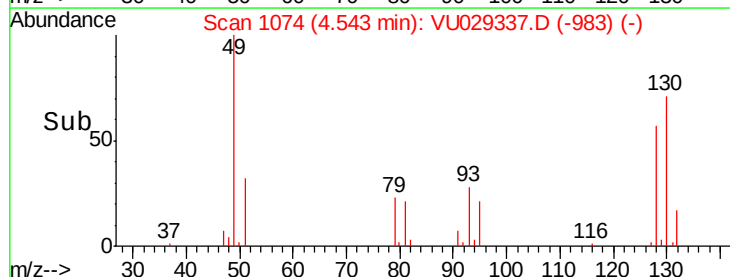


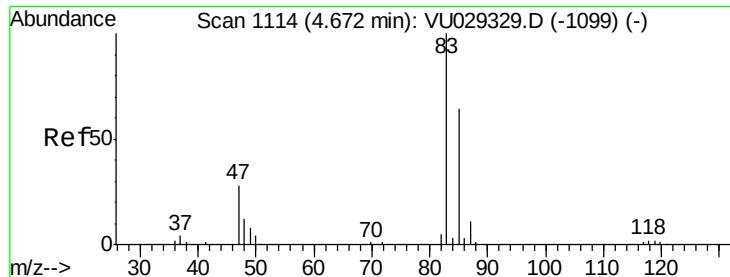
Abundance Ion 127.90 (127.60 to 128.60): VU029337.D (-983) (-)

Ion 49.10 (48.80 to 49.80): VU029337.D (-983) (-)

Ion 129.95 (129.65 to 130.65): VU029337.D (-983) (-)

Ion 51.05 (50.75 to 51.75): VU029337.D (-983) (-)

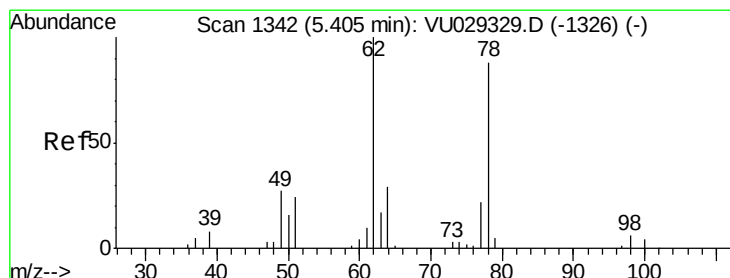
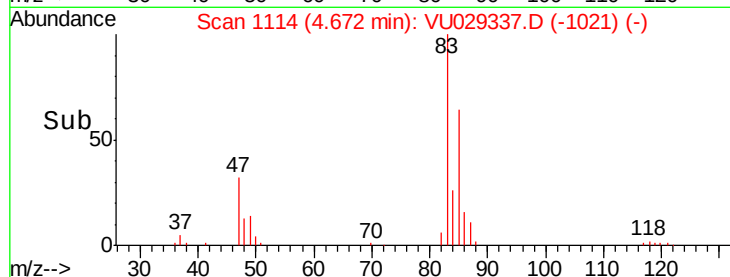
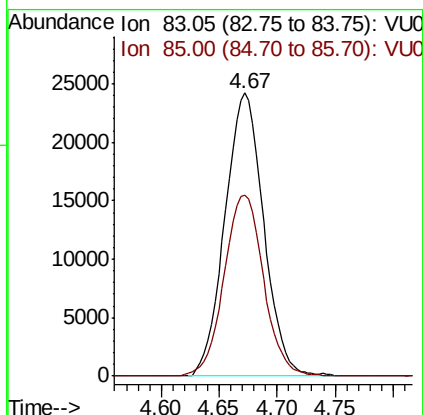
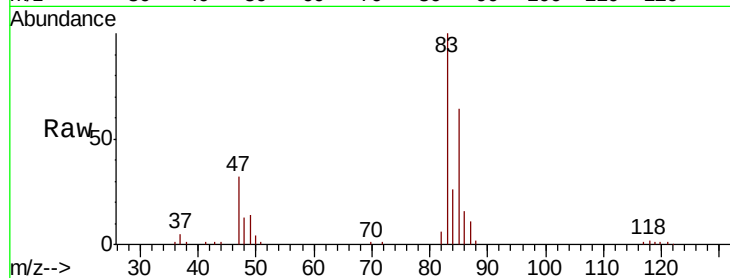




#25
Chloroform
Concen: 5.135 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

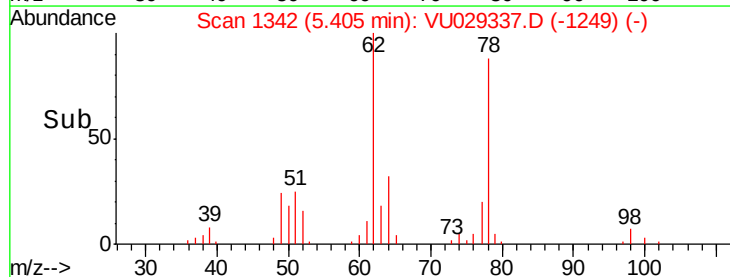
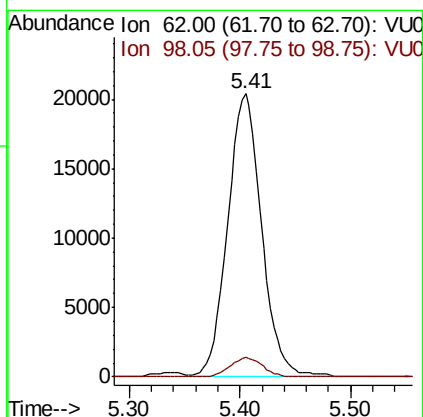
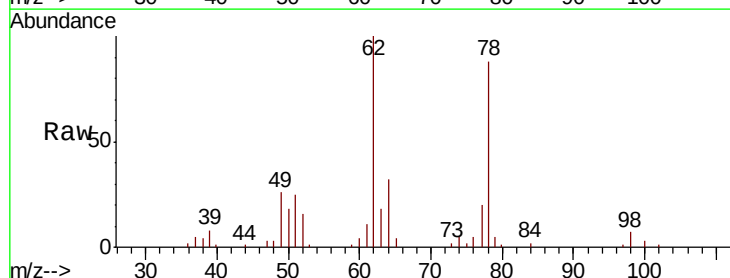
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

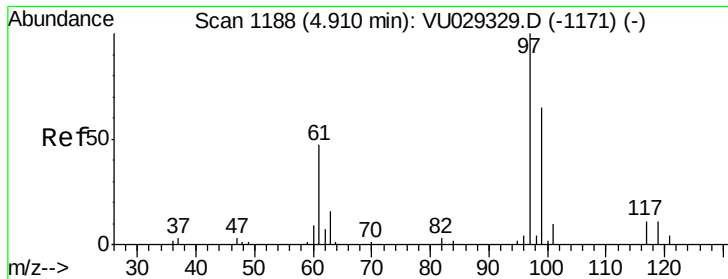
Tgt Ion: 83 Resp: 56079
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 5.247 ug/L
RT: 5.41 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Tgt Ion: 62 Resp: 43593
Ion Ratio Lower Upper
62 100
98 6.9 4.9 7.3

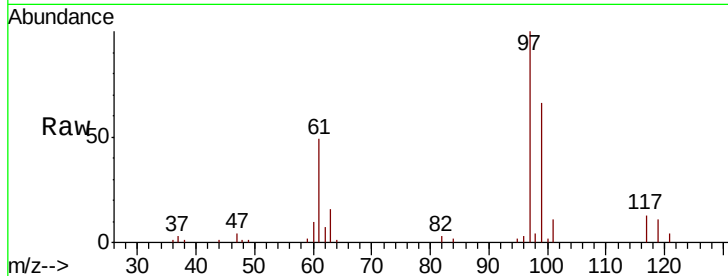




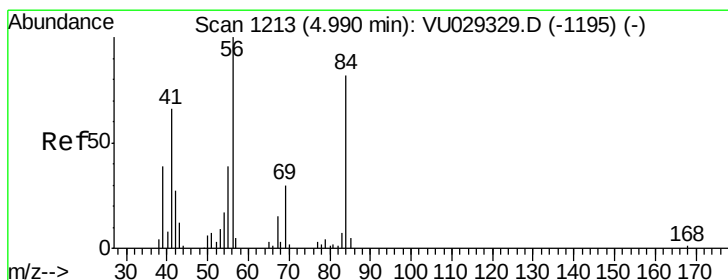
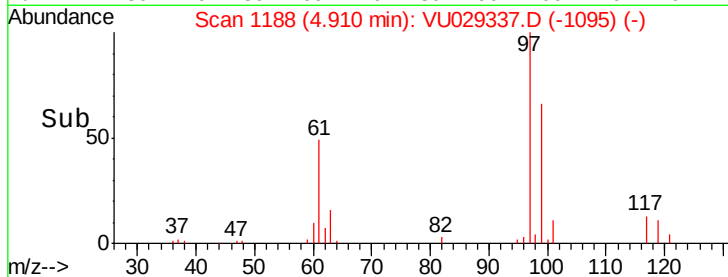
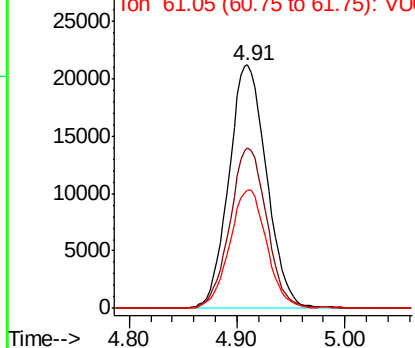
#29
 1,1,1-Trichloroethane
 Concen: 5.021 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion: 97 Resp: 51828
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.6 77.4
 61 47.5 37.8 56.8

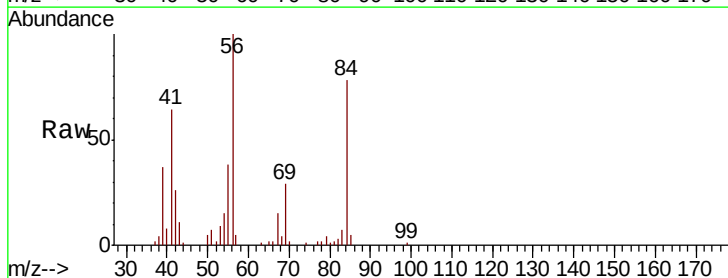


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

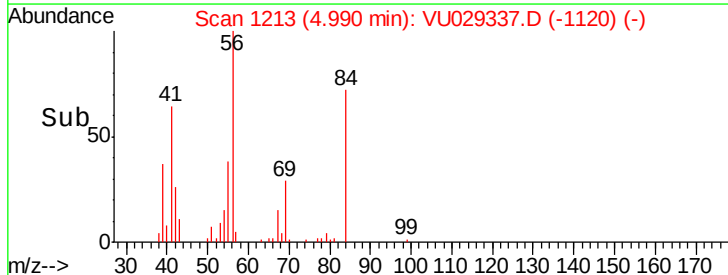
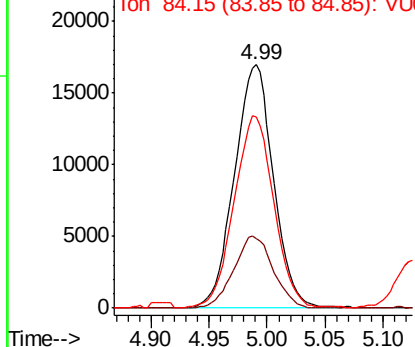


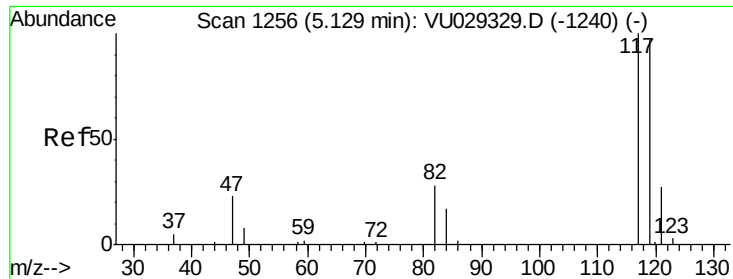
#30
 Cyclohexane
 Concen: 4.886 ug/L
 RT: 4.99 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Tgt Ion: 56 Resp: 39682
 Ion Ratio Lower Upper
 56 100
 69 29.7 24.1 36.1
 84 80.8 66.4 99.6



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





#31

Carbon tetrachloride

Concen: 5.058 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

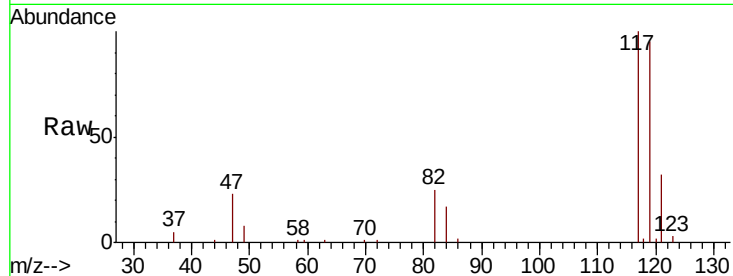
VSTD00549

Tgt Ion:117 Resp: 45826

Ion Ratio Lower Upper

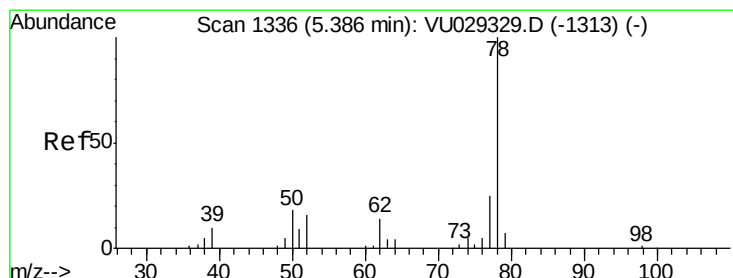
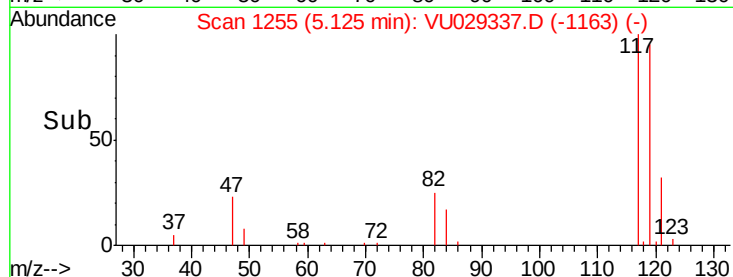
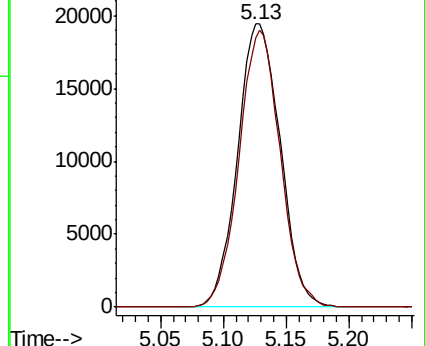
117 100

119 94.2 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.138 ug/L

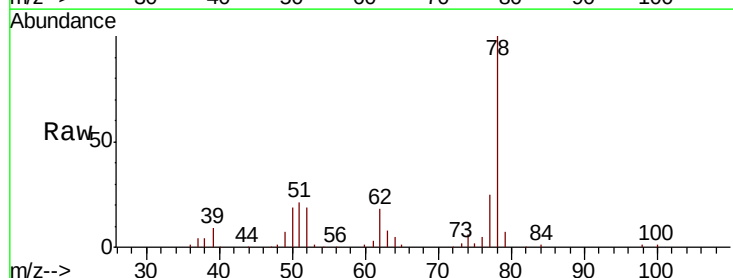
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

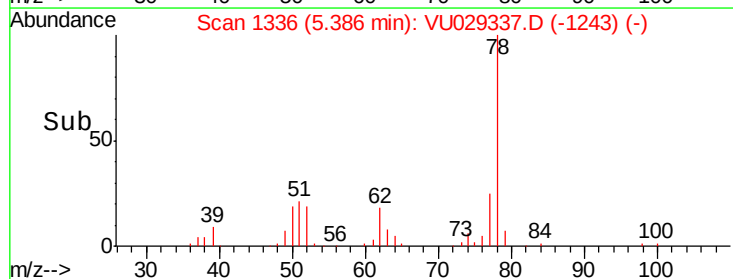
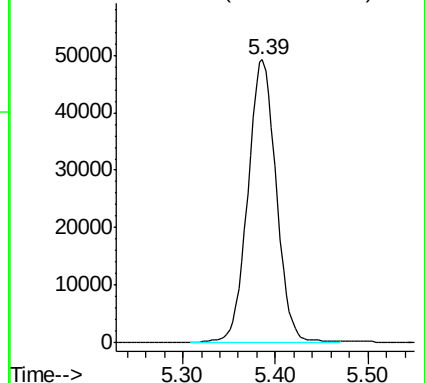
Lab File: VU029337.D

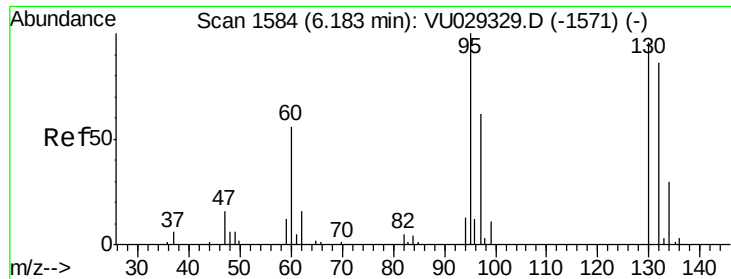
Acq: 01 Feb 2019 18:18

Tgt Ion: 78 Resp: 104943



Abundance Ion 78.10 (77.80 to 78.80): VU0

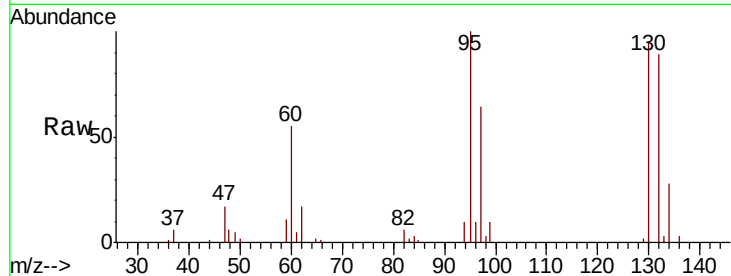




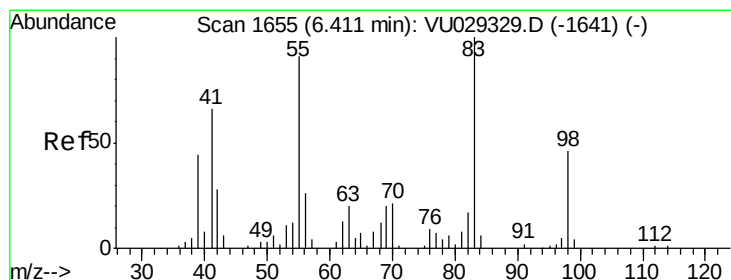
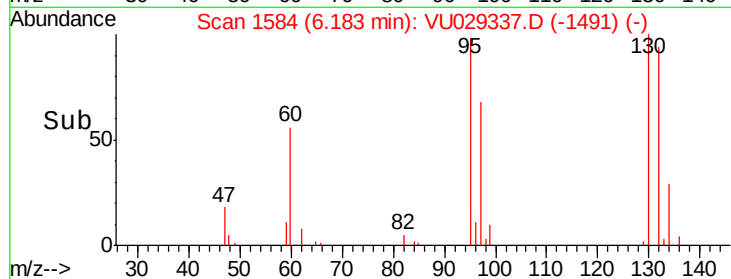
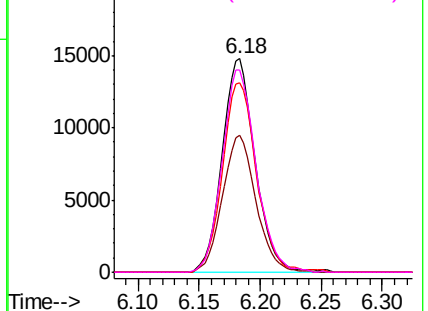
#34
 Trichloroethene
 Concen: 5.072 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion: 95 Resp: 28100
 Ion Ratio Lower Upper
 95 100
 97 63.9 43.3 80.3
 132 88.8 60.4 112.2
 130 94.6 67.5 125.3

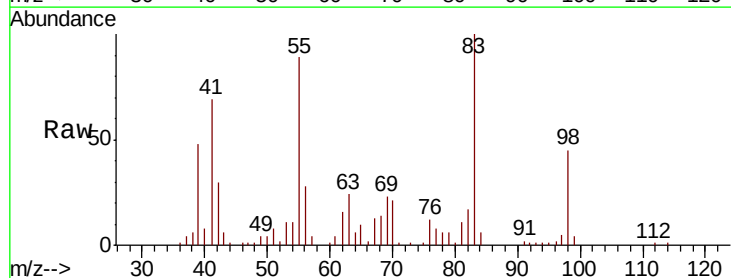


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

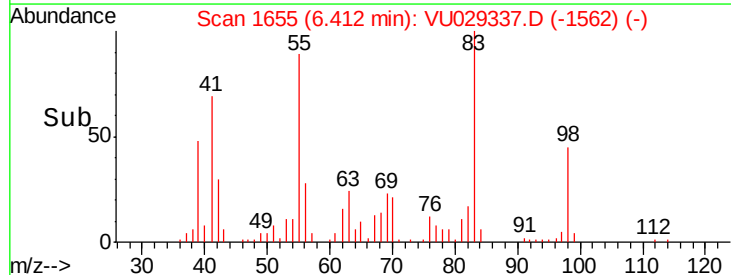
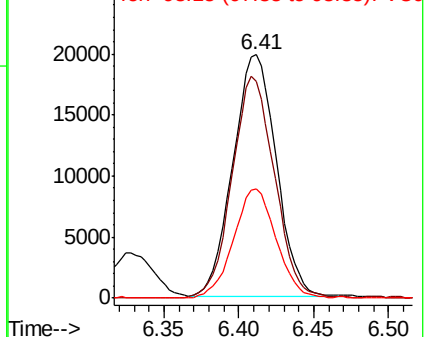


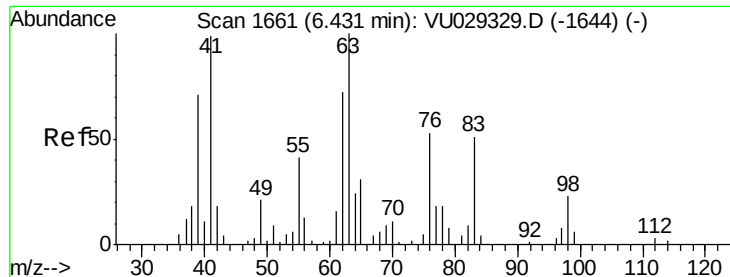
#35
 Methylcyclohexane
 Concen: 4.900 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Tgt Ion: 83 Resp: 39866
 Ion Ratio Lower Upper
 83 100
 55 90.2 72.2 108.4
 98 44.5 36.6 54.8



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

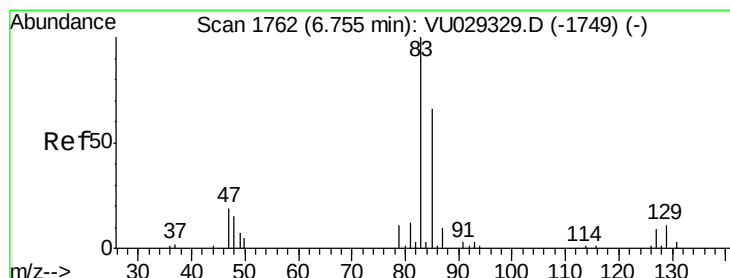
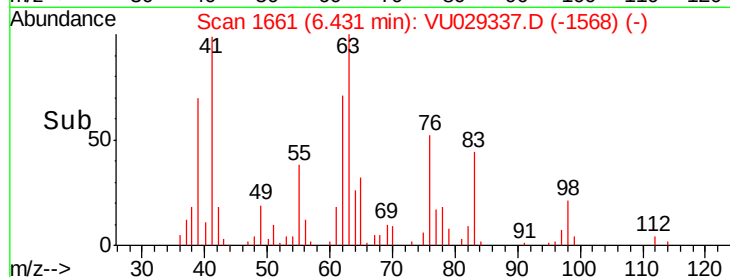
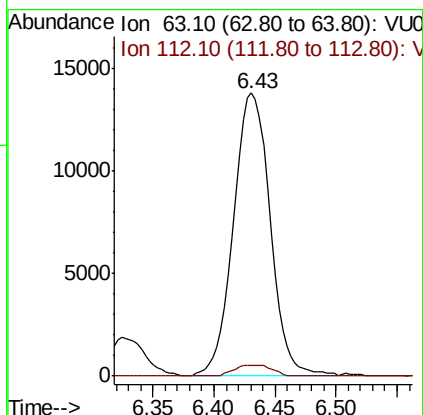
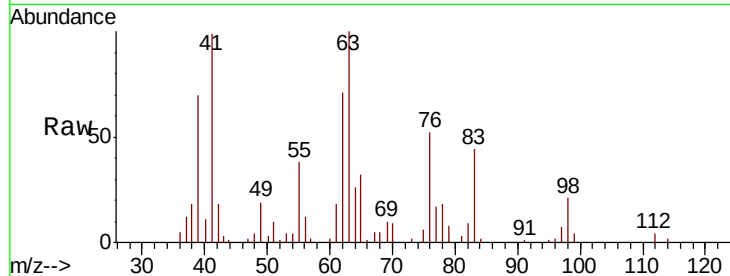




#37
 1,2-Dichloropropane
 Concen: 5.206 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

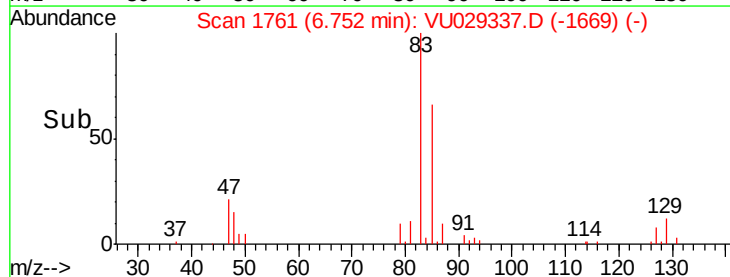
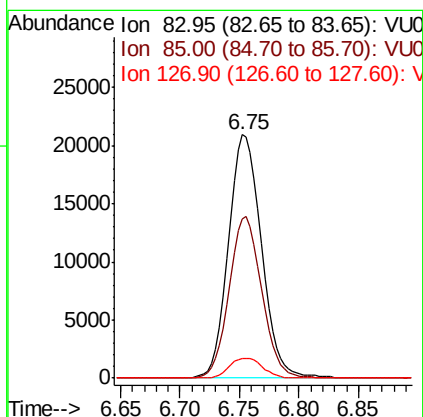
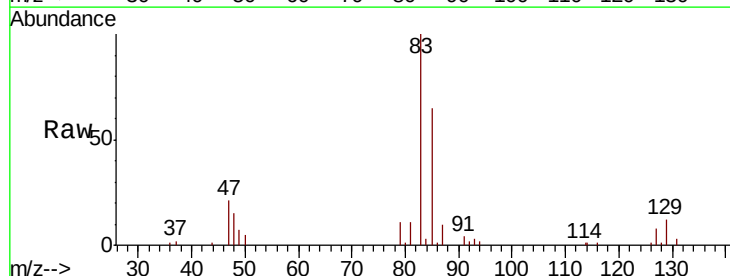
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

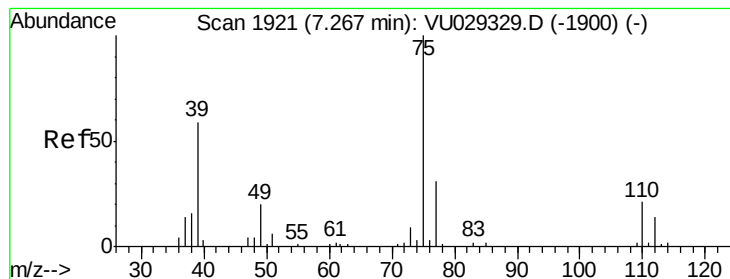
Tgt Ion: 63 Resp: 28779
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.044 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Tgt Ion: 83 Resp: 40305
 Ion Ratio Lower Upper
 83 100
 85 65.5 46.2 85.8
 127 8.2 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 5.065 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

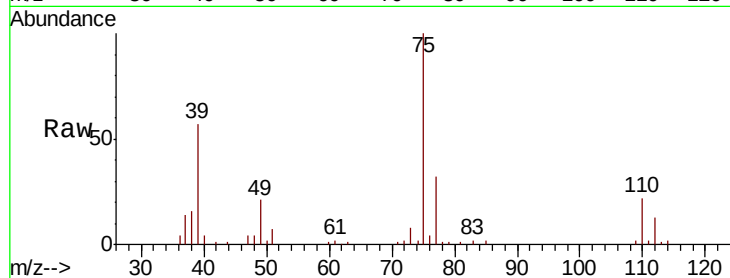
VSTD00549

Tgt Ion: 75 Resp: 40772

Ion Ratio Lower Upper

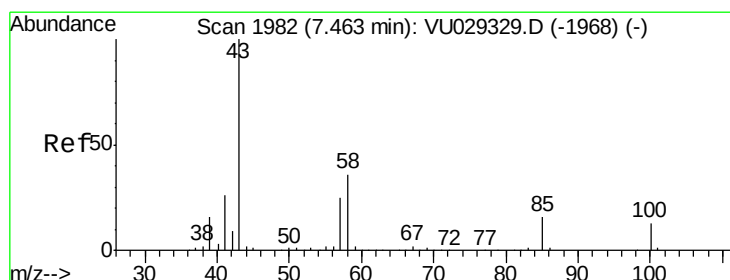
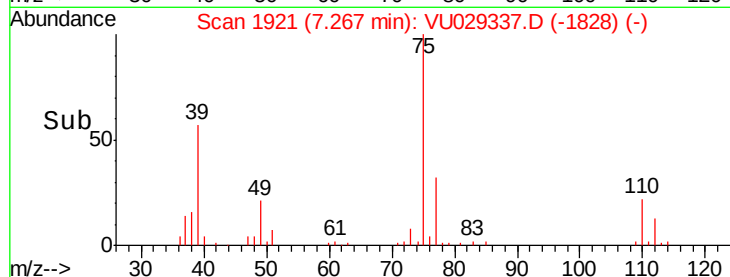
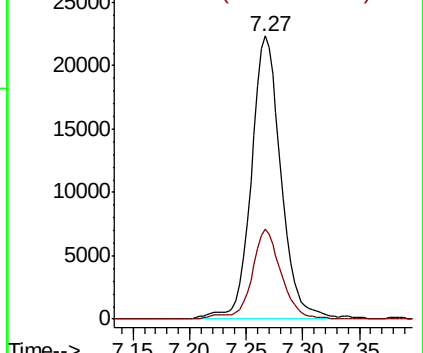
75 100

77 31.7 22.0 40.8



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: 49.975 ug/L

RT: 7.46 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

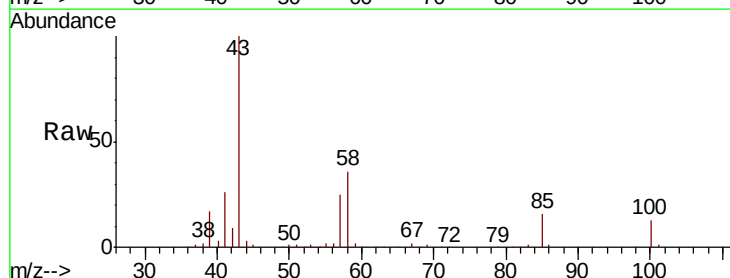
Tgt Ion: 43 Resp: 190988

Ion Ratio Lower Upper

43 100

58 35.1 27.8 41.8

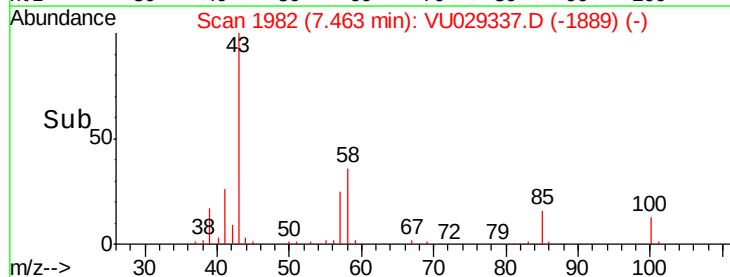
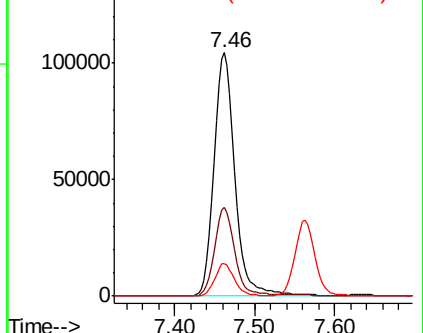
100 12.6 10.1 15.1

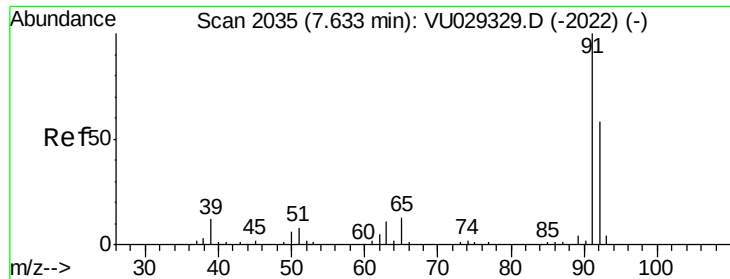


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.262 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

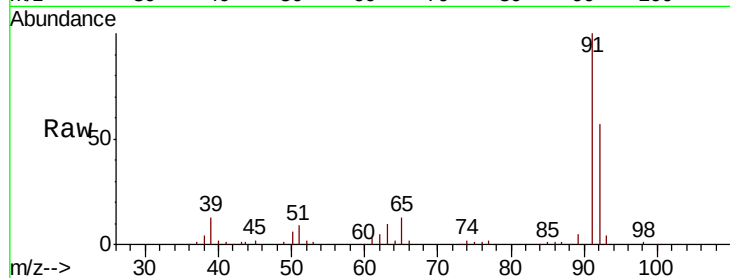
VSTD00549

Tgt Ion: 91 Resp: 113488

Ion Ratio Lower Upper

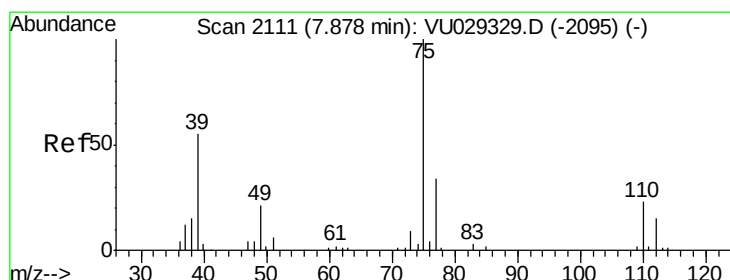
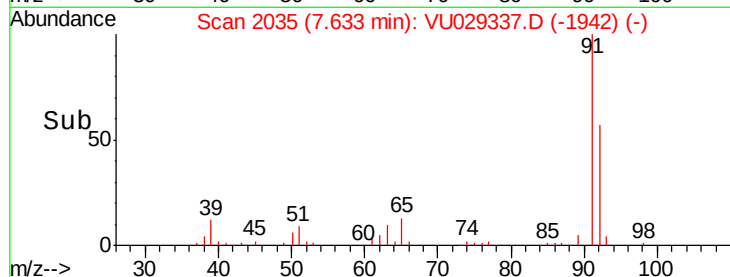
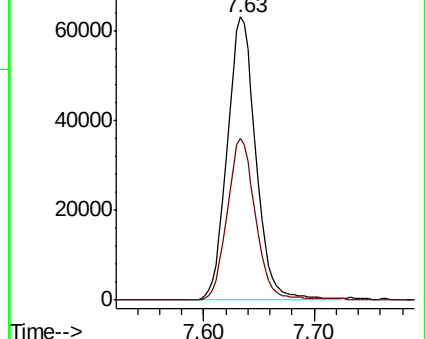
91 100

92 57.0 40.5 75.3



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: 5.232 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029337.D

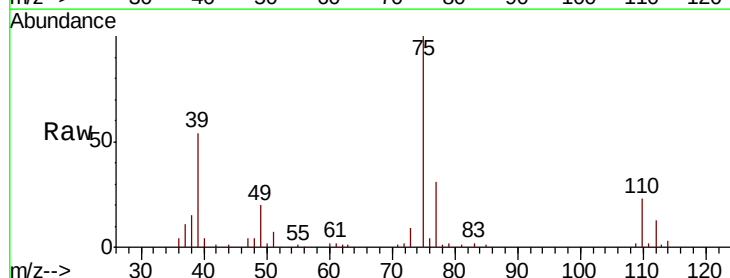
Acq: 01 Feb 2019 18:18

Tgt Ion: 75 Resp: 38127

Ion Ratio Lower Upper

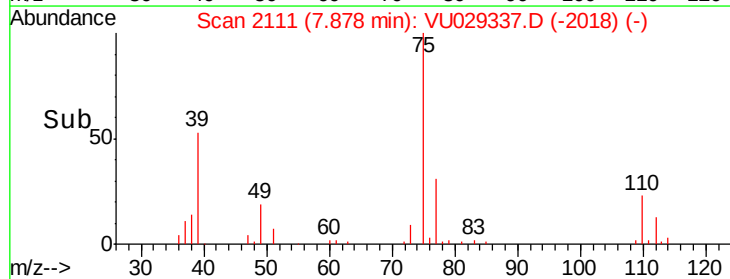
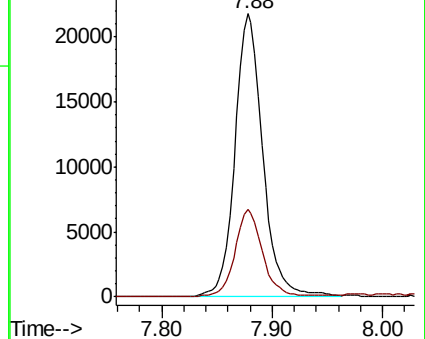
75 100

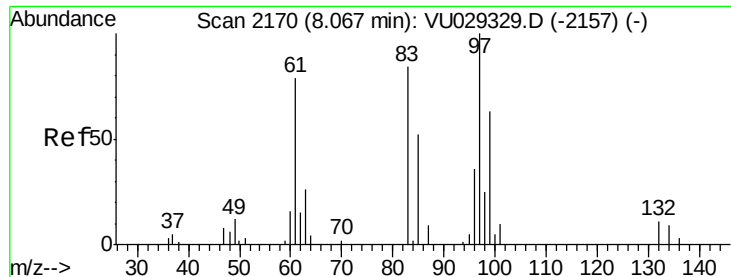
77 30.8 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

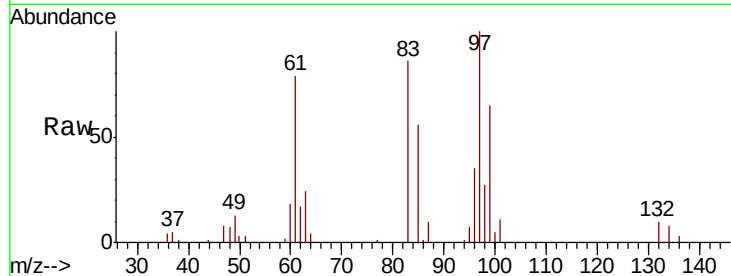




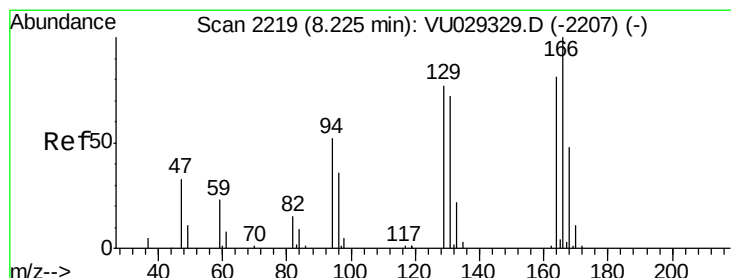
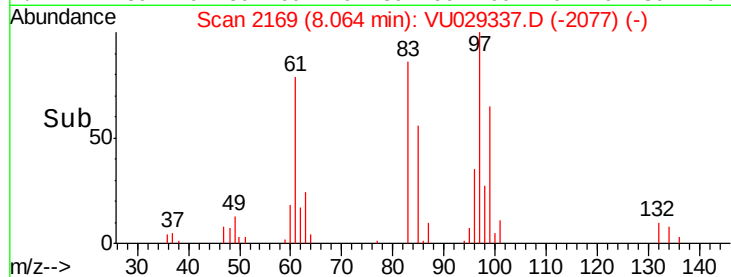
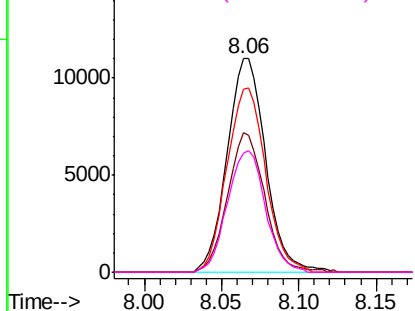
#45
 1,1,2-Trichloroethane
 Concen: 4.967 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion:	97	Resp:	19051
Ion	Ratio	Lower	Upper
97	100		
99	65.2	44.2	82.2
83	85.6	59.1	109.7
85	55.9	36.5	67.9

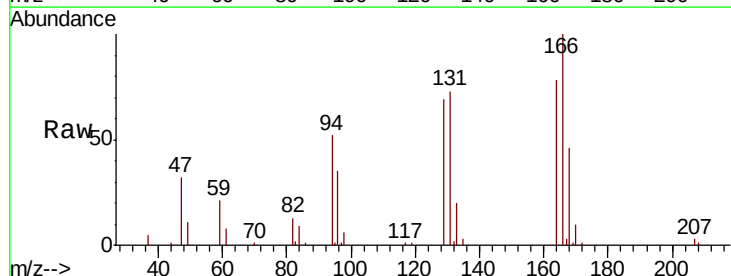


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

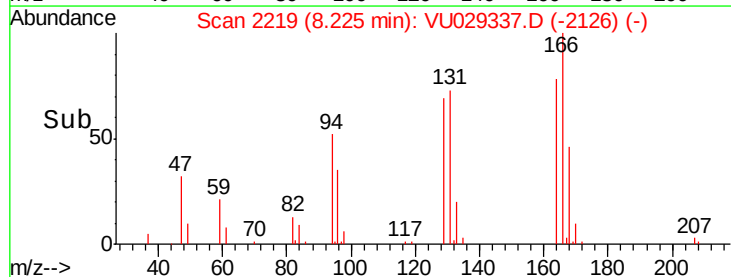
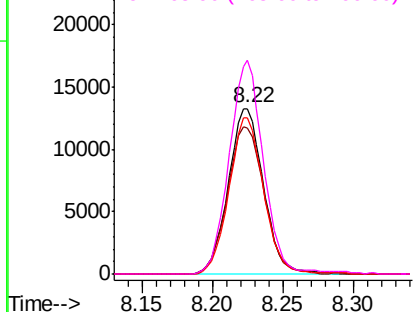


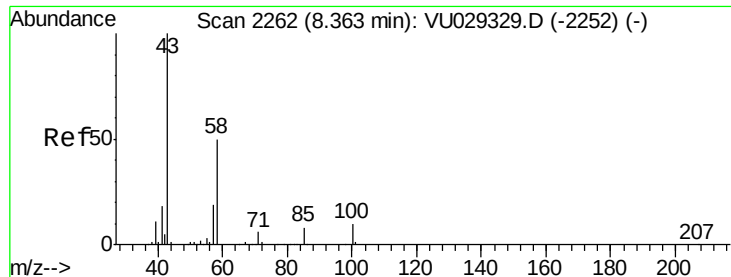
#47
 Tetrachloroethene
 Concen: 5.042 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Tgt Ion:	164	Resp:	23117
Ion	Ratio	Lower	Upper
164	100		
129	88.4	66.1	122.7
131	94.5	62.4	115.8
166	128.9	86.1	159.9



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

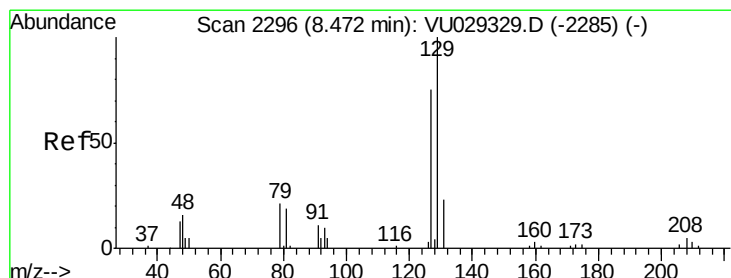
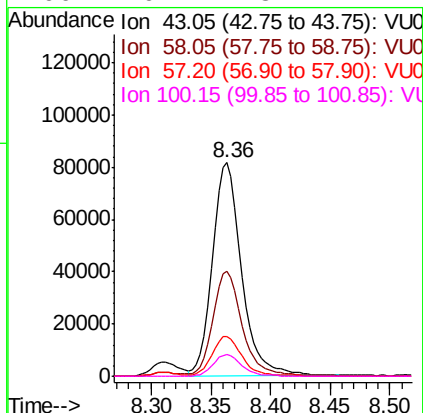
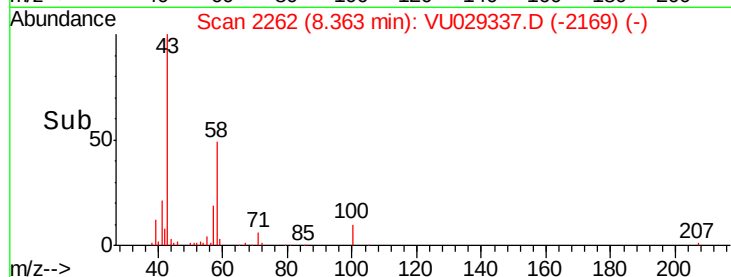
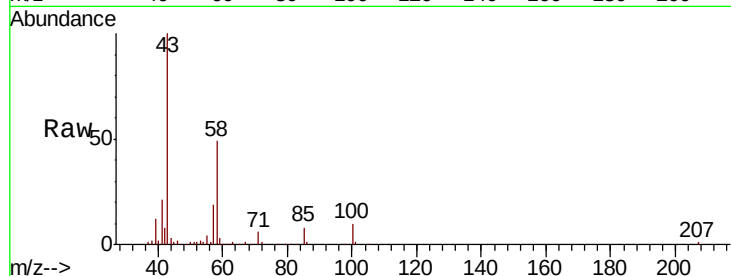




#48
2-Hexanone
Concen: 48.248 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

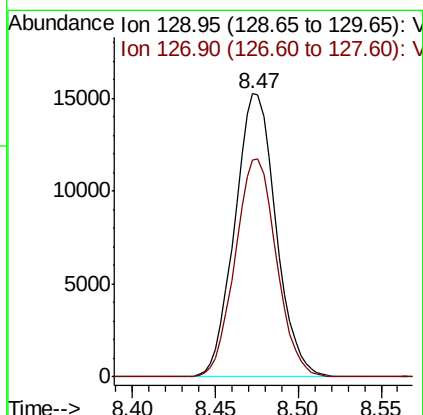
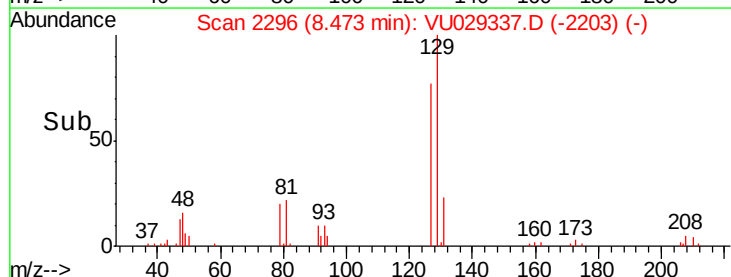
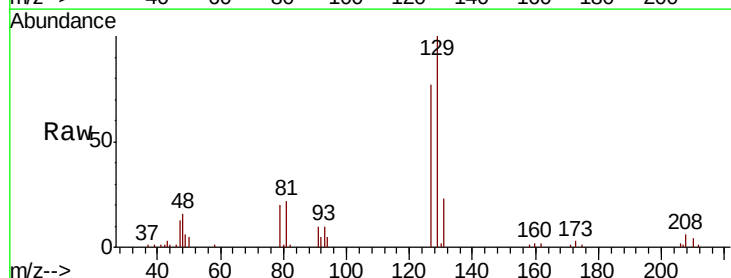
Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

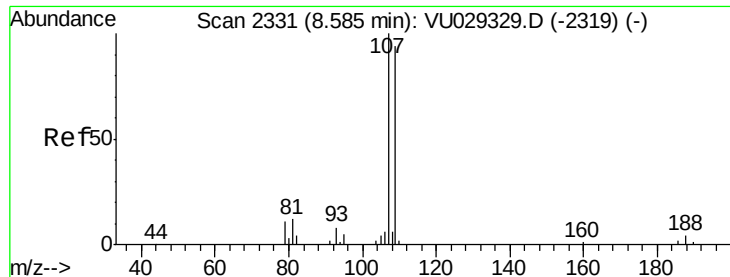
Tgt Ion:	43	Resp:	138151
Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.4	59.0
57	18.9	15.1	22.7
100	10.2	8.2	12.4



#49
Dibromochloromethane
Concen: 5.130 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Tgt Ion:	129	Resp:	26351
Ion	Ratio	Lower	Upper
129	100		
127	76.6	52.8	98.0

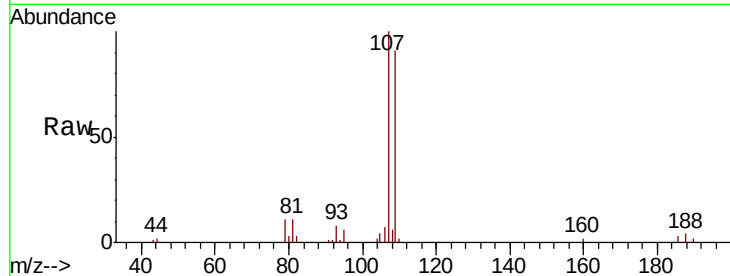




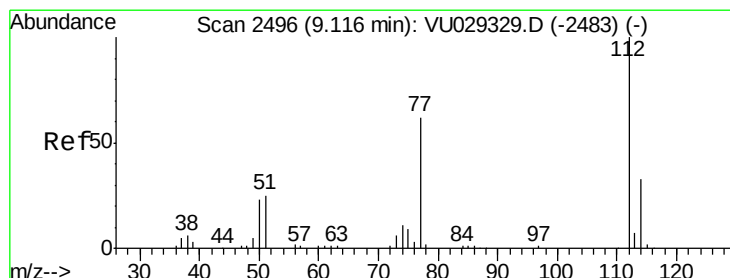
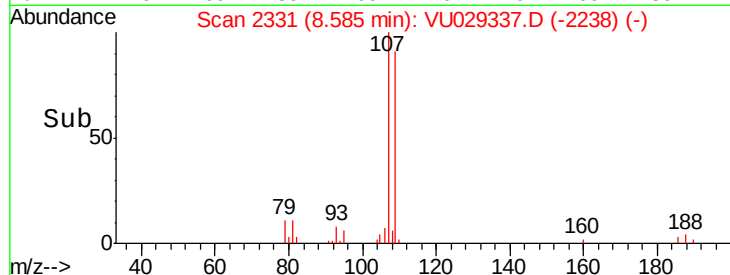
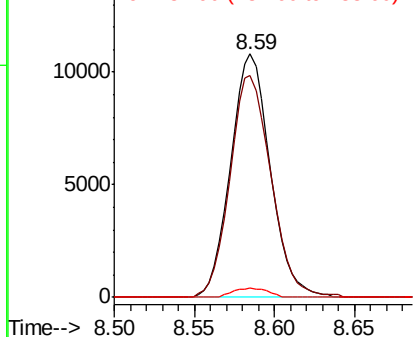
#50
1,2-Dibromoethane
Concen: 5.018 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Tgt Ion:107 Resp: 18227
Ion Ratio Lower Upper
107 100
109 91.3 65.6 121.8
188 3.7 2.8 4.2

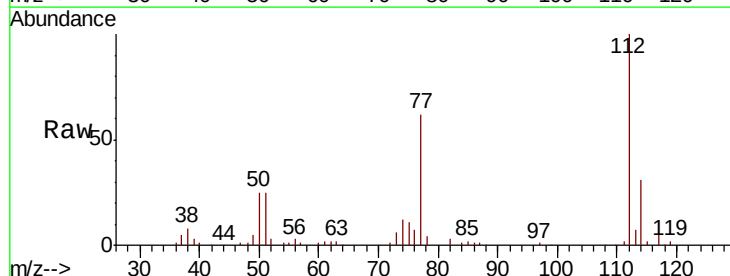


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

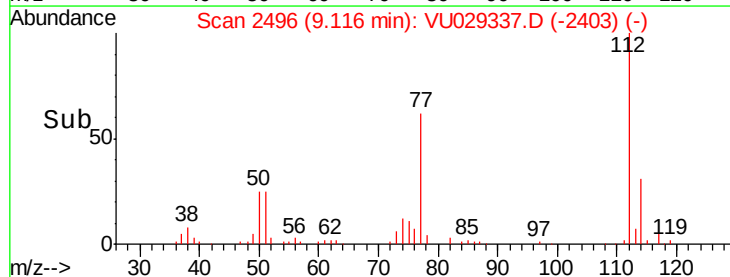
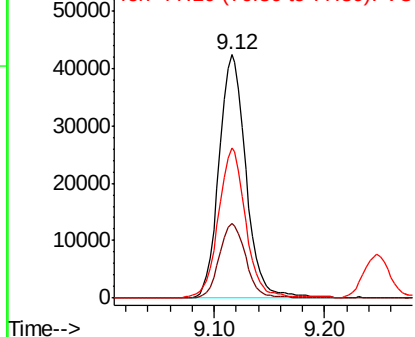


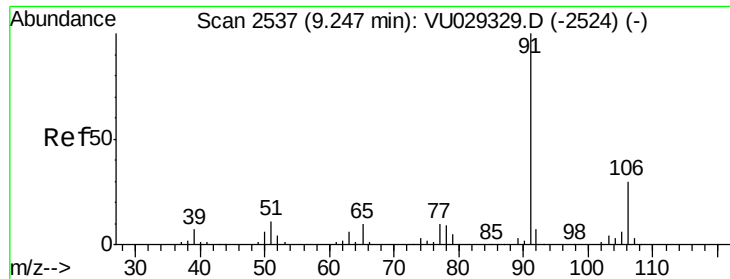
#51
Chlorobenzene
Concen: 5.132 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Tgt Ion:112 Resp: 71842
Ion Ratio Lower Upper
112 100
114 30.7 22.8 42.4
77 61.8 49.9 74.9



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





#52

Ethylbenzene

Concen: 5.139 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

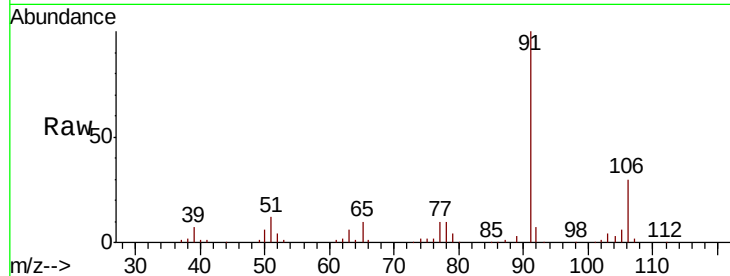
VSTD00549

Tgt Ion: 91 Resp: 123007

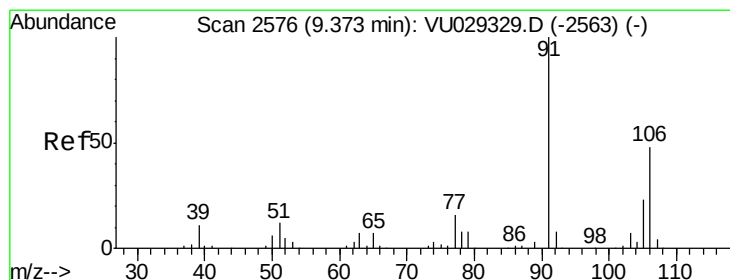
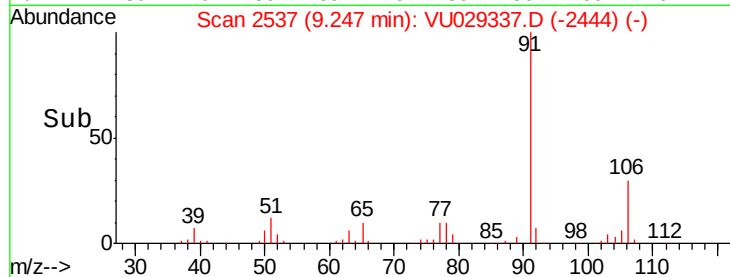
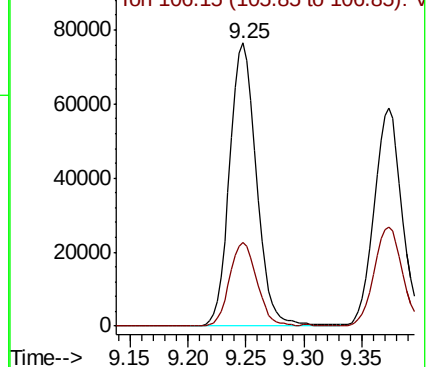
Ion Ratio Lower Upper

91 100

106 29.6 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU029337.D (-2444) (-)



#53

m,p-xylene

Concen: 5.159 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029337.D

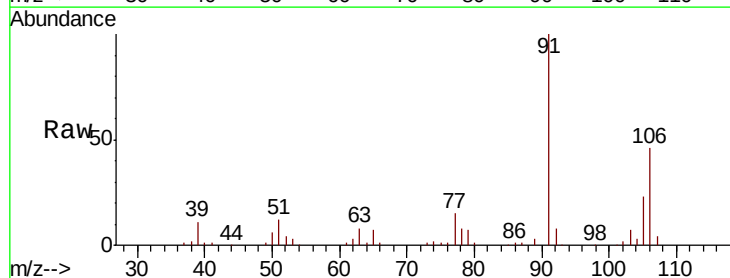
Acq: 01 Feb 2019 18:18

Tgt Ion: 106 Resp: 46487

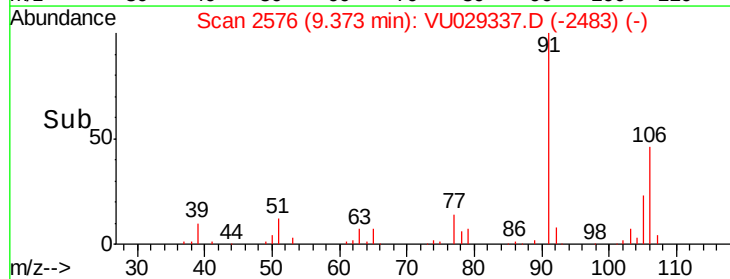
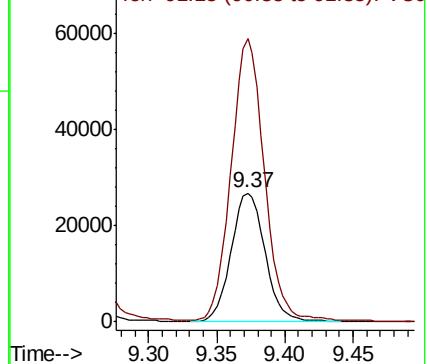
Ion Ratio Lower Upper

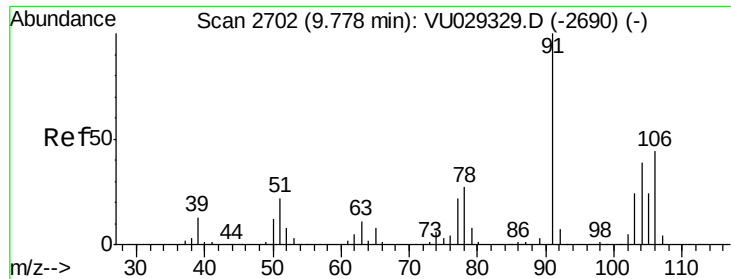
106 100

91 219.6 145.9 270.9



Abundance Ion 106.15 (105.85 to 106.85): VU029337.D (-2483) (-)

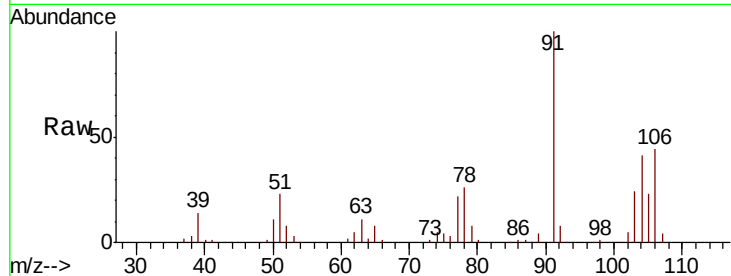




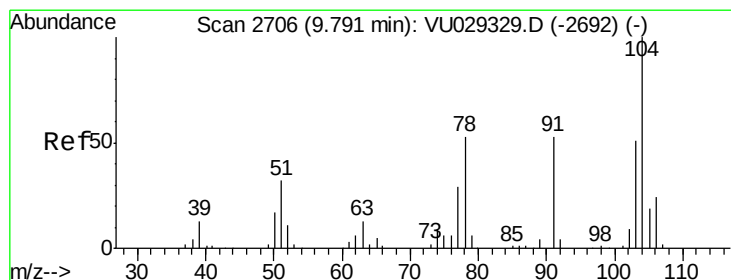
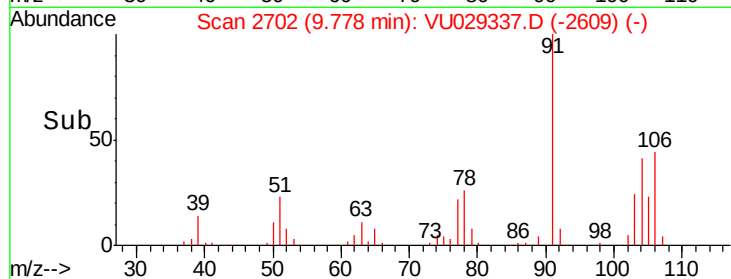
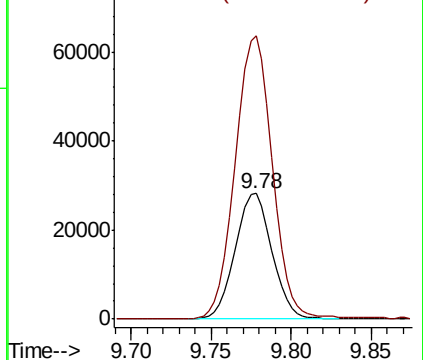
#54
o-xylene
Concen: 5.131 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00549

Tgt Ion:106 Resp: 44282
Ion Ratio Lower Upper
106 100
91 225.8 160.9 298.9

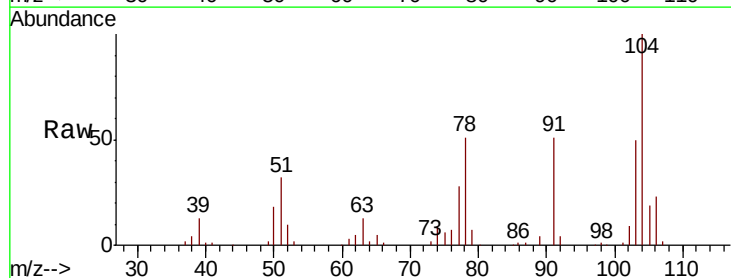


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

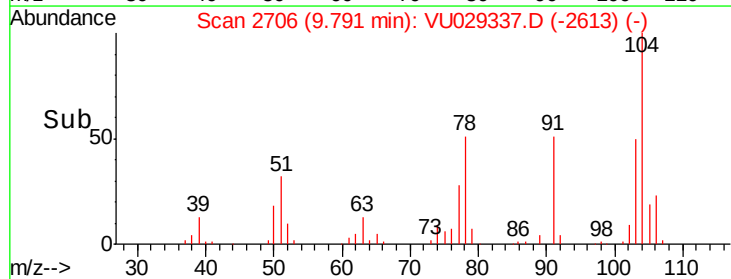
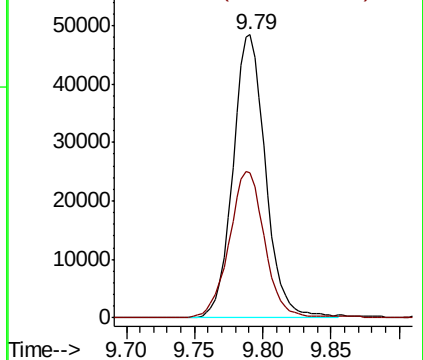


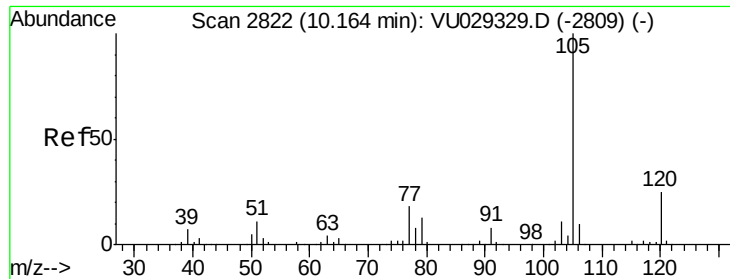
#55
Styrene
Concen: 5.413 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029337.D
Acq: 01 Feb 2019 18:18

Tgt Ion:104 Resp: 80270
Ion Ratio Lower Upper
104 100
78 51.2 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.233 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

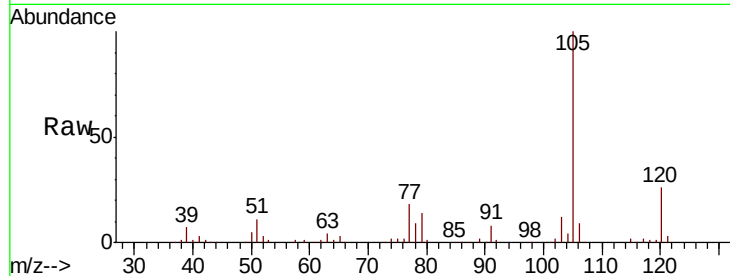
Tgt Ion: 105 Resp: 122869

Ion Ratio Lower Upper

105 100

120 24.8 20.2 30.2

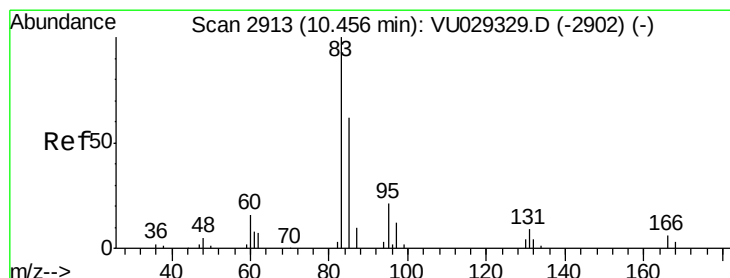
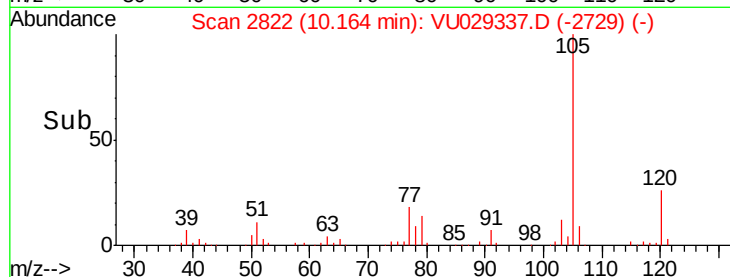
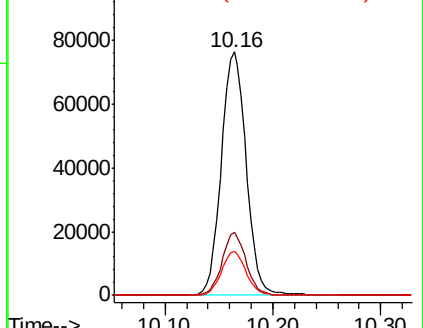
77 17.7 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.885 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

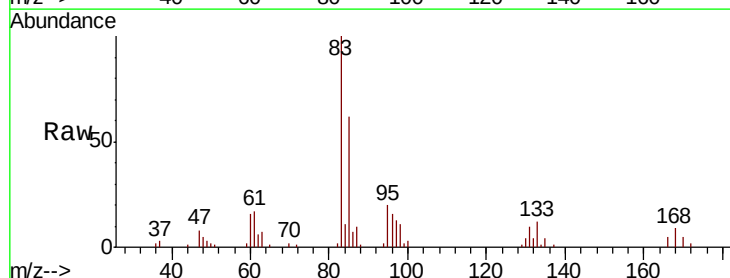
Tgt Ion: 83 Resp: 24188

Ion Ratio Lower Upper

83 100

85 61.9 44.4 82.4

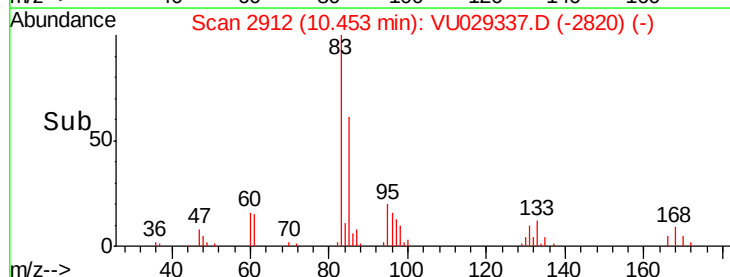
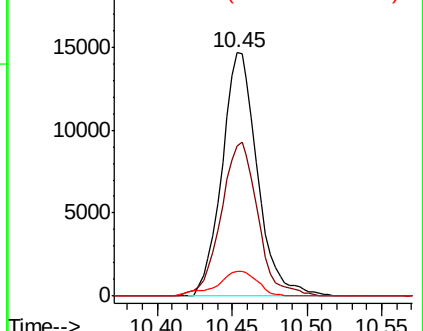
131 10.1 8.9 13.3

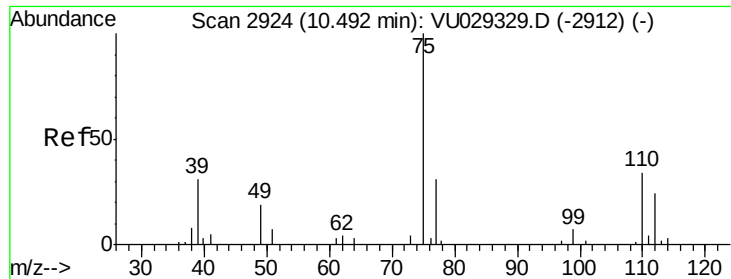


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.917 ug/L

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

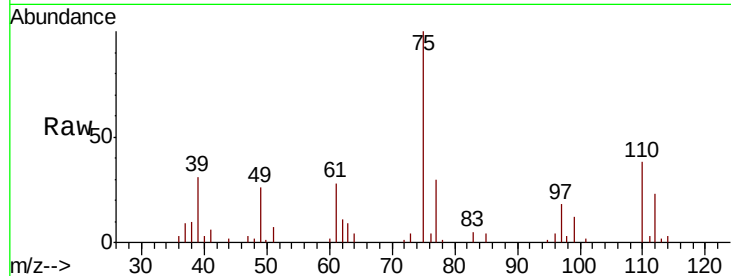
VSTD00549

Tgt Ion: 75 Resp: 19367

Ion Ratio Lower Upper

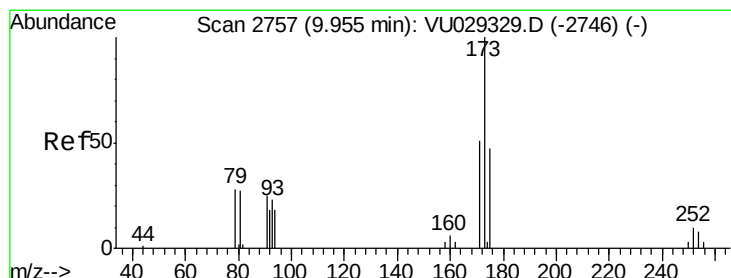
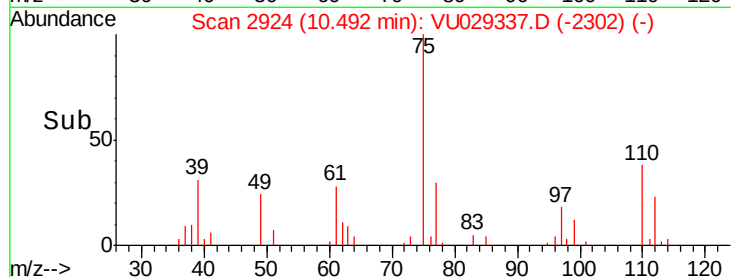
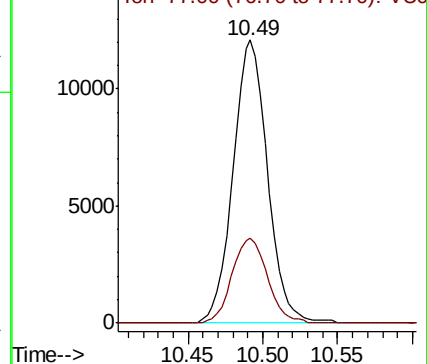
75 100

77 30.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#61

Bromoform

Concen: 5.062 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

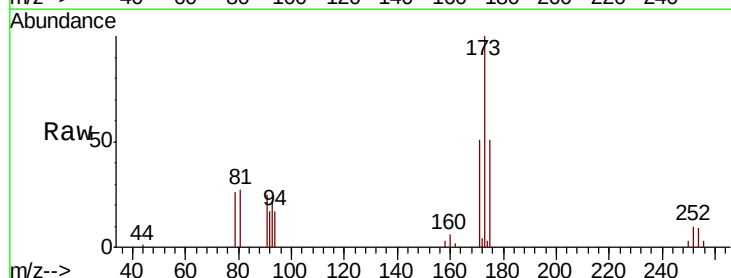
Tgt Ion: 173 Resp: 15497

Ion Ratio Lower Upper

173 100

175 48.1 37.3 55.9

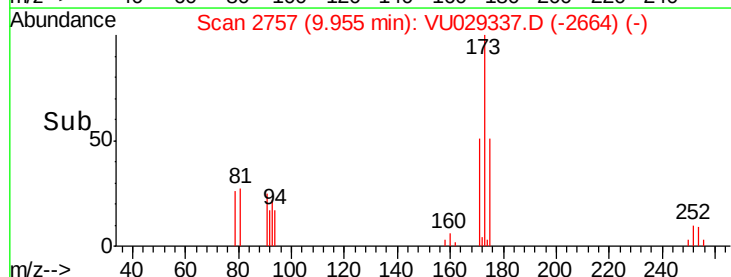
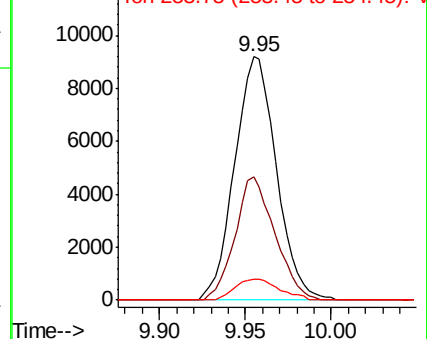
254 9.1 6.9 10.3

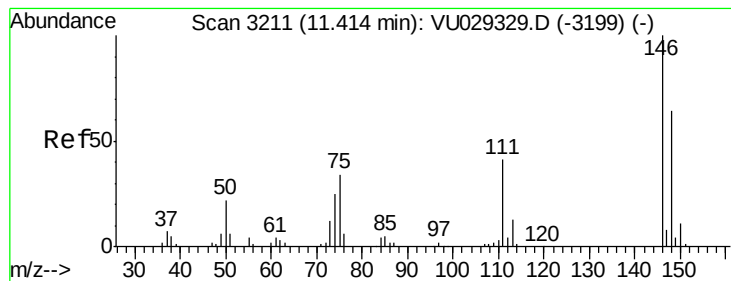


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 4.932 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

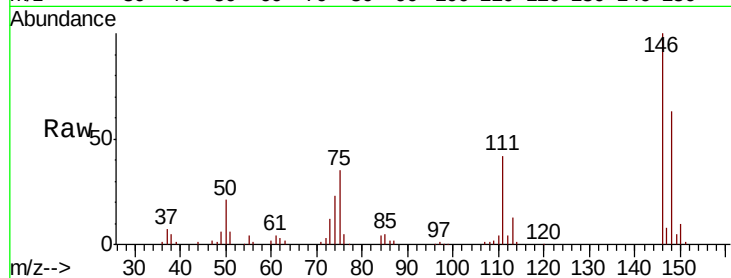
Tgt Ion:146 Resp: 56234

Ion Ratio Lower Upper

146 100

111 42.4 28.8 53.6

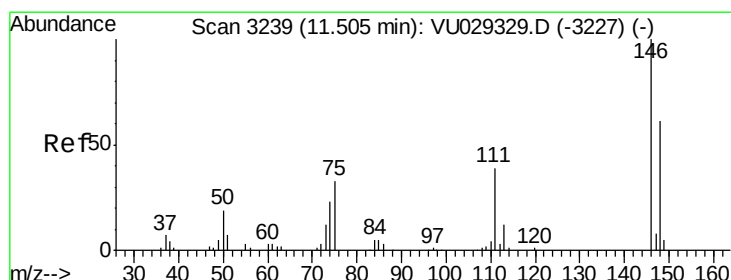
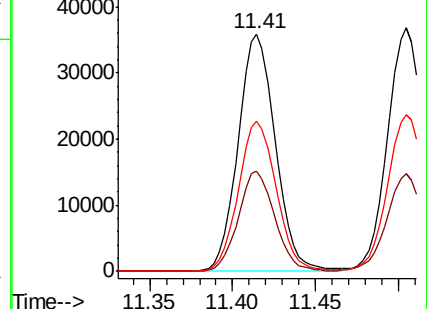
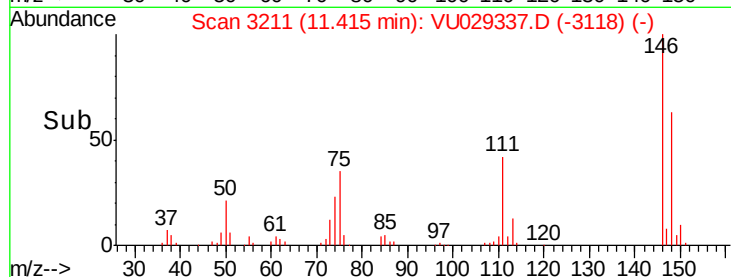
148 63.2 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.929 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

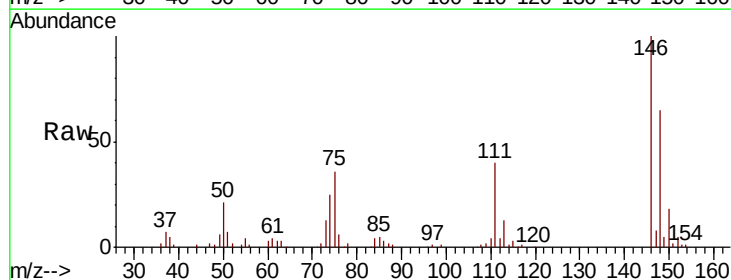
Tgt Ion:146 Resp: 58636

Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.6

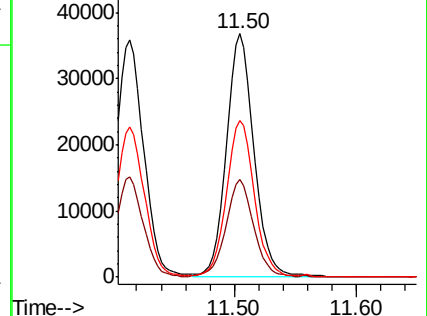
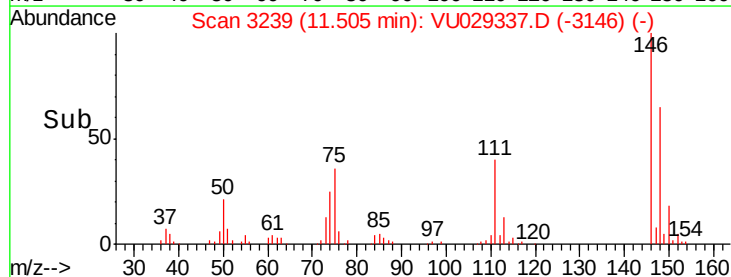
148 64.6 43.0 79.8

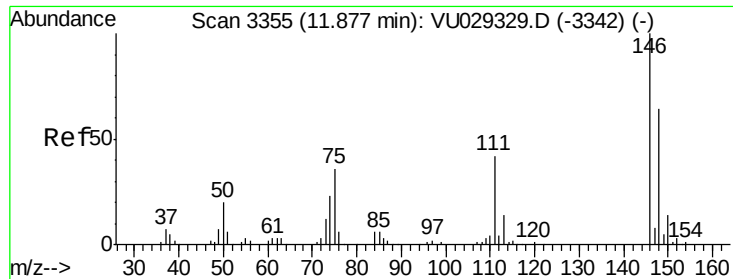


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

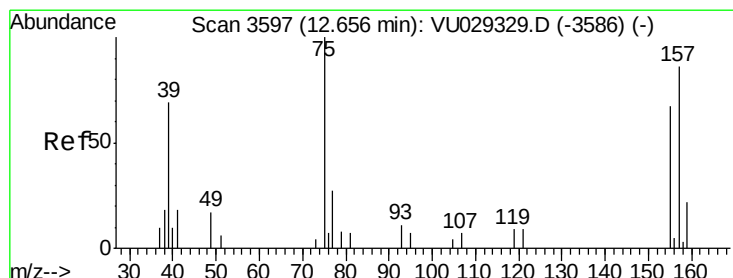
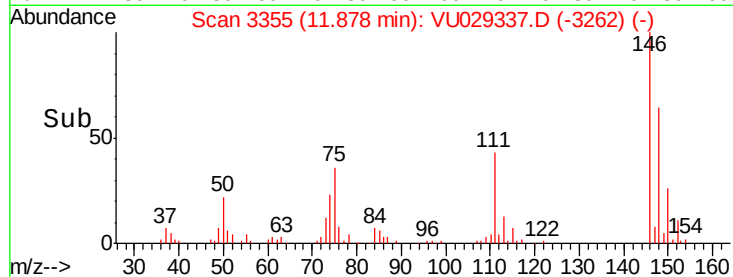
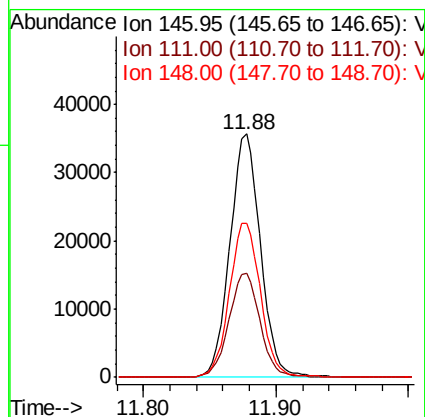
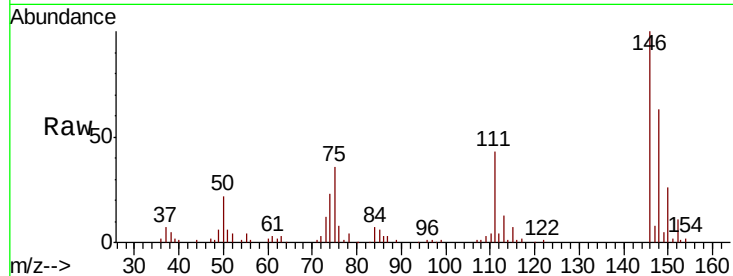




#65
 1,2-Dichlorobenzene
 Concen: 5.128 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

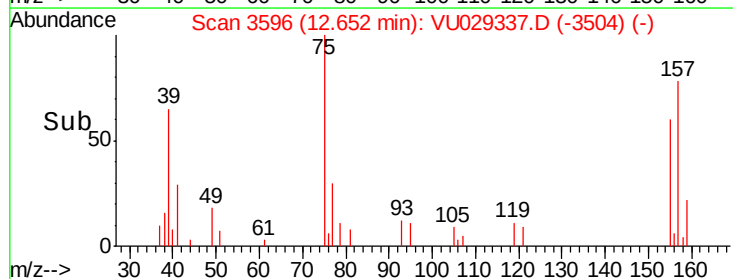
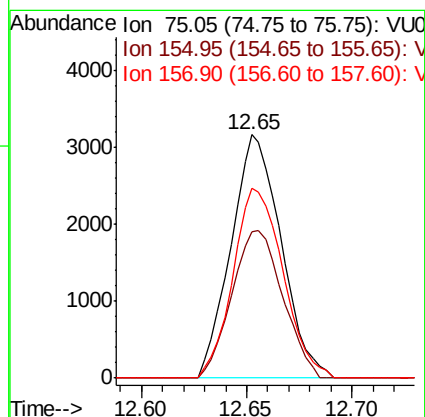
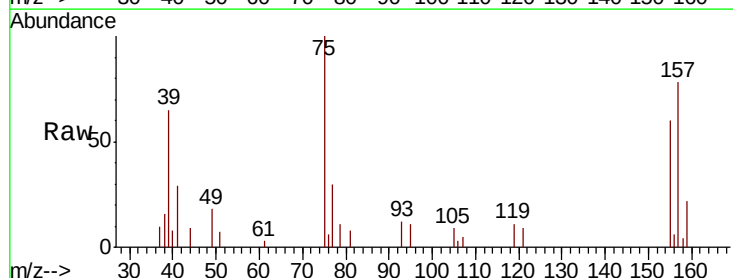
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

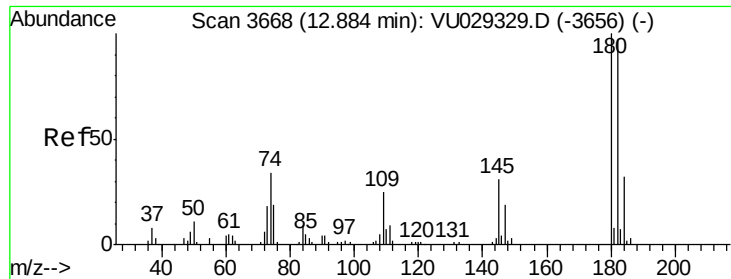
Tgt Ion: 146 Resp: 57143
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.6 50.4
 148 63.4 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.368 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Tgt Ion: 75 Resp: 5208
 Ion Ratio Lower Upper
 75 100
 155 60.3 53.7 80.5
 157 77.9 68.8 103.2

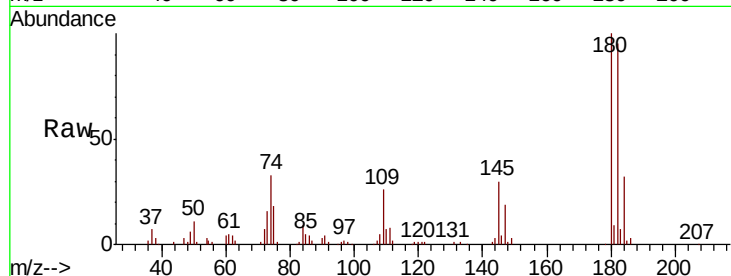




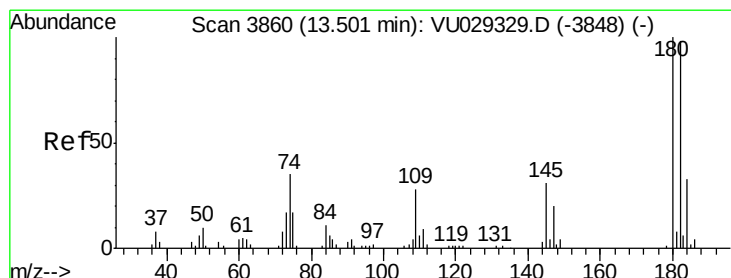
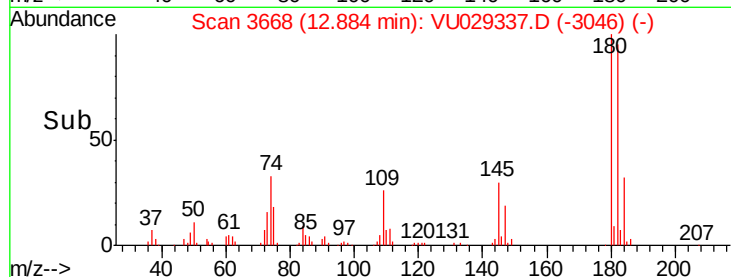
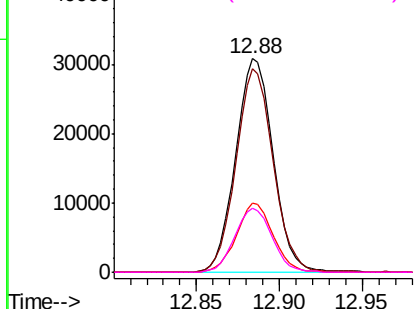
#67
 1,3,5-Trichlorobenzene
 Concen: 5.041 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00549

Tgt Ion:180 Resp: 48343
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.4 114.6
 184 31.5 24.6 36.8
 145 29.6 23.7 35.5

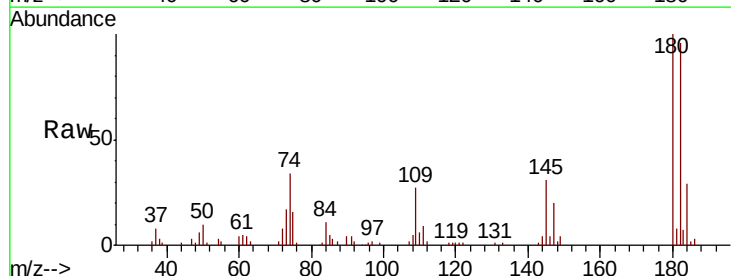


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

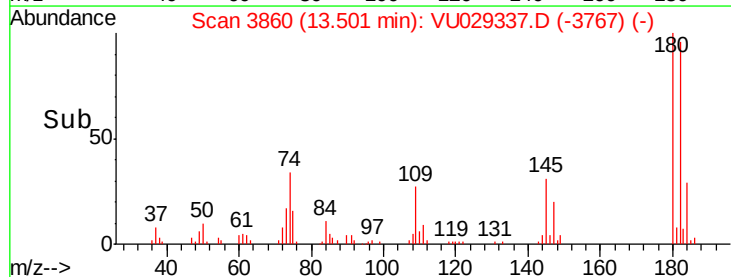
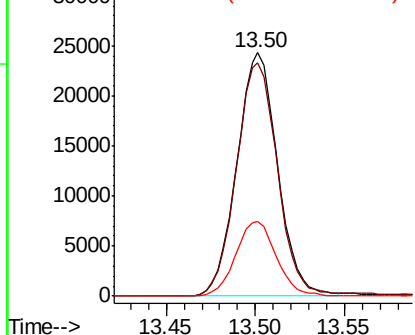


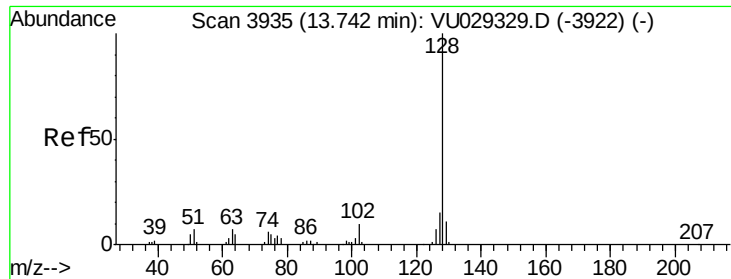
#68
 1,2,4-trichlorobenzene
 Concen: 4.707 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029337.D
 Acq: 01 Feb 2019 18:18

Tgt Ion:180 Resp: 38562
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.6 116.4
 145 30.4 24.2 36.2



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: 4.642 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00549

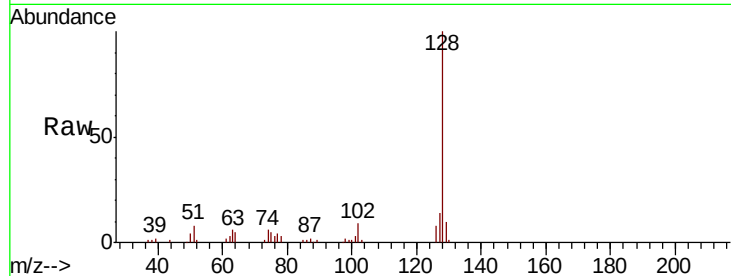
Tgt Ion:128 Resp: 61350

Ion Ratio Lower Upper

128 100

129 10.3 8.9 13.3

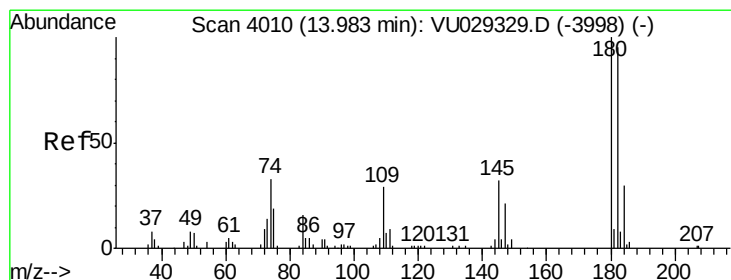
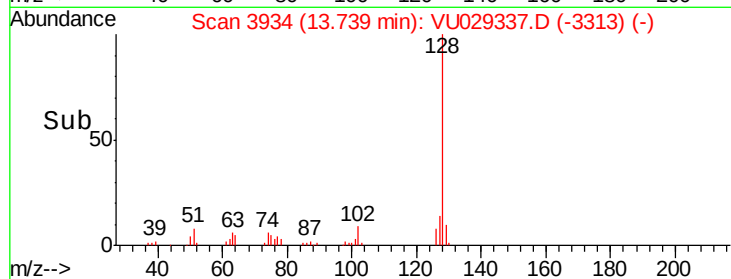
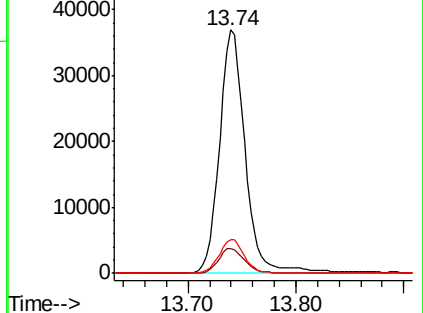
127 13.5 11.5 17.3



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: 4.741 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029337.D

Acq: 01 Feb 2019 18:18

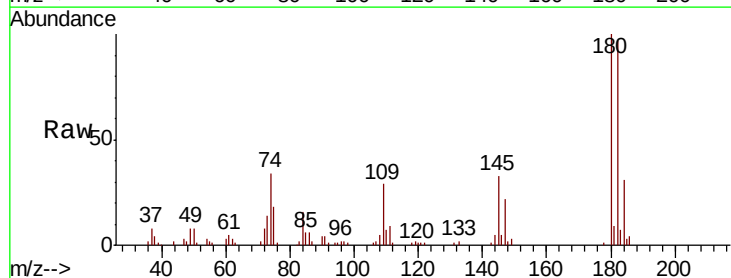
Tgt Ion:180 Resp: 38038

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

145 31.7 25.1 37.7



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

