

Data File : VU029131.D
Acq On : 11 Jan 2019 09:43
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

Quant Time: Jan 11 22:01:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 04 22:41:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	141091	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	135988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64573	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44727	5.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.40%
7) Chloroethane-d5	1.68	69	37389	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.40%
11) 1,1-Dichloroethene-d2	2.27	63	85893	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.40%
20) 2-Butanone-d5	4.22	46	127436	64.58	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.16%
24) Chloroform-d	4.65	84	86624	5.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.00%
26) 1,2-Dichloroethane-d4	5.31	65	41610	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.34	84	174015	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
36) 1,2-Dichloropropane-d6	6.33	67	59178	5.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.40%
41) Toluene-d8	7.56	98	162225	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	7.85	79	22433	5.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	117.40%
46) 2-Hexanone-d5	8.31	63	111302	63.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	45009	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	56605	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	62446	5.054 ug/L	99
3) Chloromethane	1.32	50	70038	5.079 ug/L	99
5) Vinyl chloride	1.40	62	72142	5.121 ug/L	96
6) Bromomethane	1.63	94	31691	4.859 ug/L	100
8) Chloroethane	1.70	64	41455	5.156 ug/L	98
9) Trichlorofluoromethane	1.88	101	78519	4.874 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	49206	4.733 ug/L	98
12) 1,1-Dichloroethene	2.28	96	46218	4.572 ug/L	83
13) Acetone	2.35	43	88708	55.688 ug/L	98
14) Carbon disulfide	2.48	76	165151	4.676 ug/L	99
15) Methyl Acetate	2.63	43	23537	5.043 ug/L	92
16) Methylene chloride	2.70	84	55253	3.818 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	118174	4.761 ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	49620	4.471 ug/L	96
19) 1,1-Dichloroethane	3.44	63	97169	5.157 ug/L	98
21) 2-Butanone	4.30	43	146067	61.290 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	57651	5.021 ug/L	96

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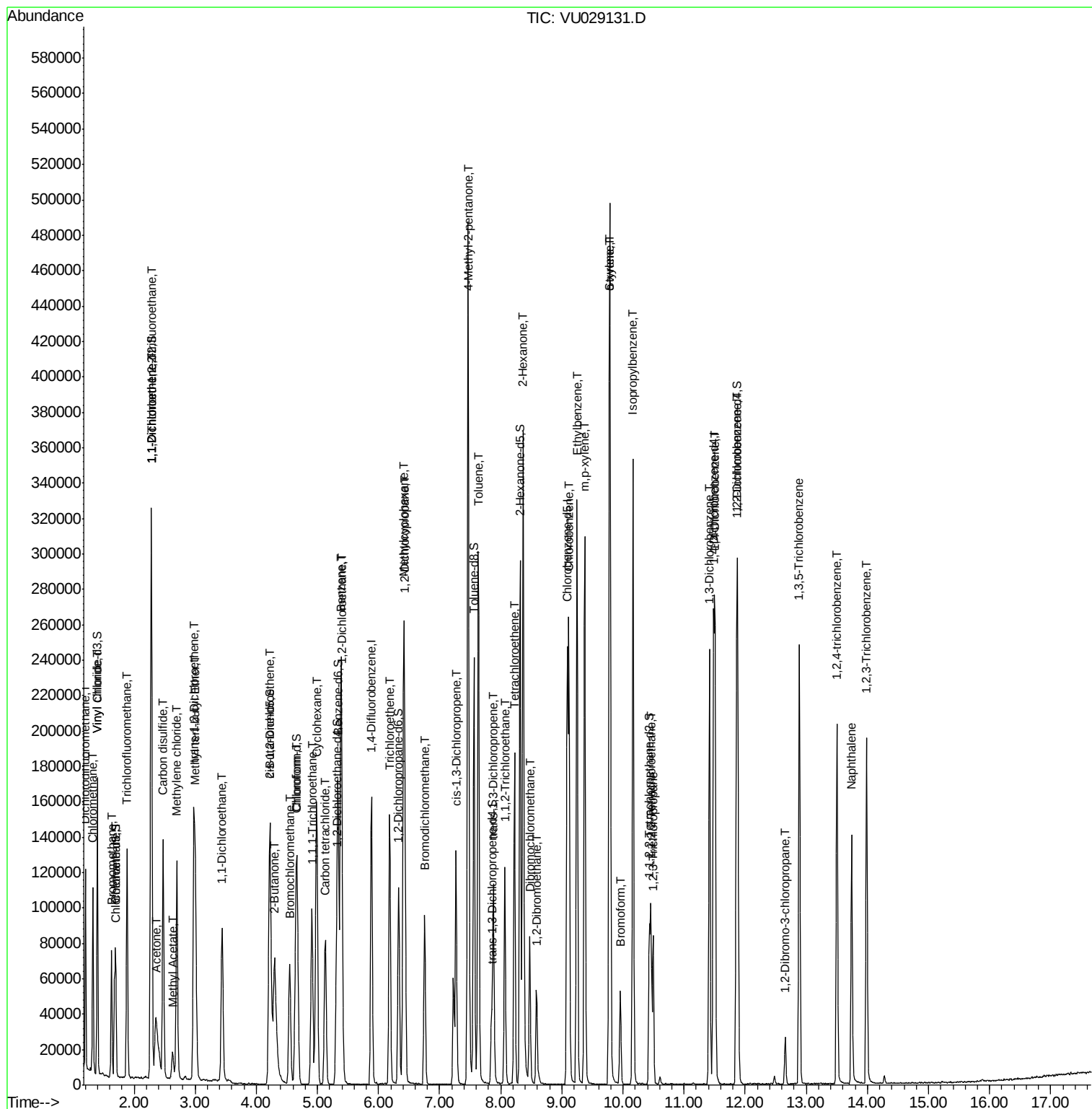
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	23648	5.076	ug/L	95
25) Chloroform	4.67	83	92756	5.181	ug/L	99
27) 1,2-Dichloroethane	5.40	62	57305	5.411	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	75246	5.038	ug/L	96
30) Cyclohexane	4.99	56	88483	4.945	ug/L	96
31) Carbon tetrachloride	5.13	117	60482	5.086	ug/L	99
33) Benzene	5.39	78	219584	5.050	ug/L	100
34) Trichloroethene	6.18	95	55681	5.008	ug/L	91
35) Methylcyclohexane	6.41	83	90003	4.713	ug/L	95
37) 1,2-Dichloropropane	6.43	63	58574	5.287	ug/L	100
38) Bromodichloromethane	6.76	83	65123	5.221	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	81002	5.100	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	337204	57.205	ug/L	97
42) Toluene	7.63	91	224932	4.832	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	65235	5.270	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	39499	5.239	ug/L	98
47) Tetrachloroethene	8.22	164	44396	4.821	ug/L	97
48) 2-Hexanone	8.37	43	243884	59.812	ug/L	97
49) Dibromochloromethane	8.48	129	41892	5.234	ug/L	100
50) 1,2-Dibromoethane	8.58	107	36566	5.185	ug/L	95
51) Chlorobenzene	9.12	112	143625	4.920	ug/L	98
52) Ethylbenzene	9.25	91	237715	4.814	ug/L	96
53) m,p-xylene	9.37	106	88967	4.734	ug/L	98
54) o-xylene	9.78	106	86588	4.747	ug/L	96
55) Styrene	9.79	104	147494	4.858	ug/L	99
56) Isopropylbenzene	10.16	105	223153	4.639	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	50017	5.420	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	35605	5.513	ug/L	99
61) Bromoform	9.96	173	24890	5.649	ug/L	93
62) 1,3-Dichlorobenzene	11.41	146	105582	4.837	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	106729	4.792	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	99565	4.820	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	7049	5.780	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	82610	4.891	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	67378	4.787	ug/L	99
69) Naphthalene	13.74	128	116077	4.821	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	64437	4.800	ug/L	97

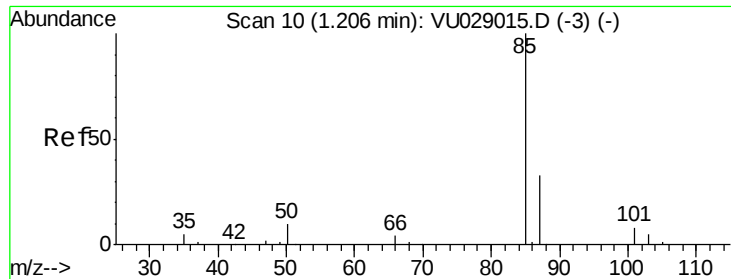
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.054 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

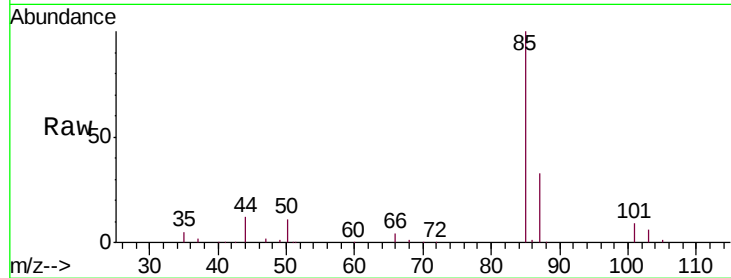
VSTD00553

Tgt Ion: 85 Resp: 62446

Ion Ratio Lower Upper

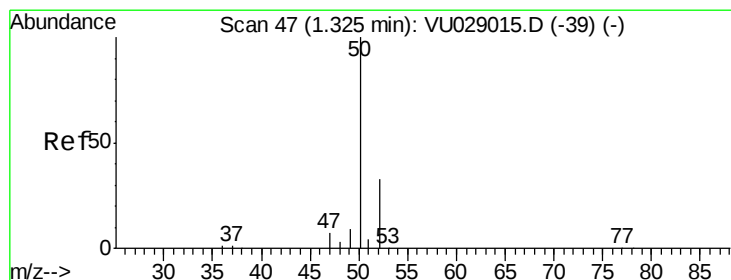
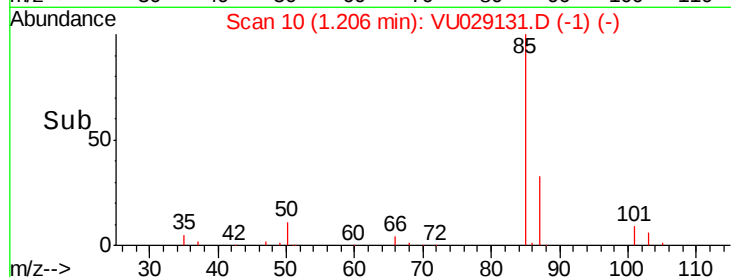
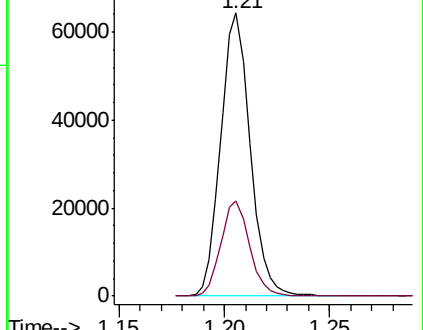
85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU029015.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU029015.D (-3) (-)



#3

Chloromethane

Concen: 5.079 ug/L

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU029131.D

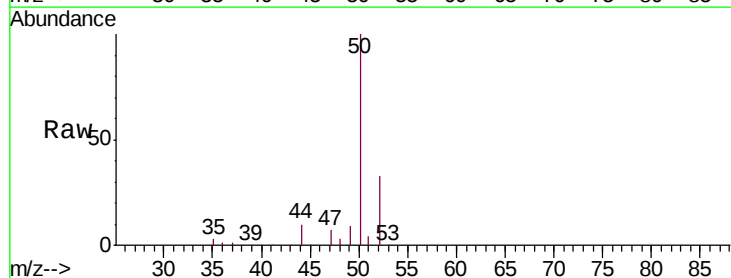
Acq: 11 Jan 2019 09:43

Tgt Ion: 50 Resp: 70038

Ion Ratio Lower Upper

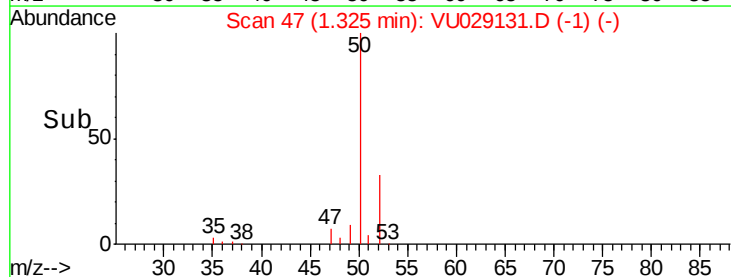
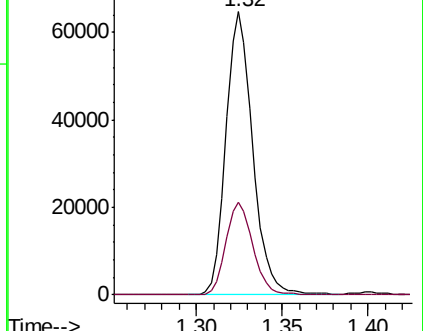
50 100

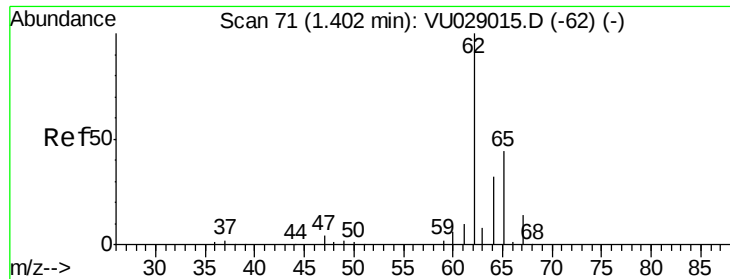
52 32.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU029015.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VU029015.D (-39) (-)

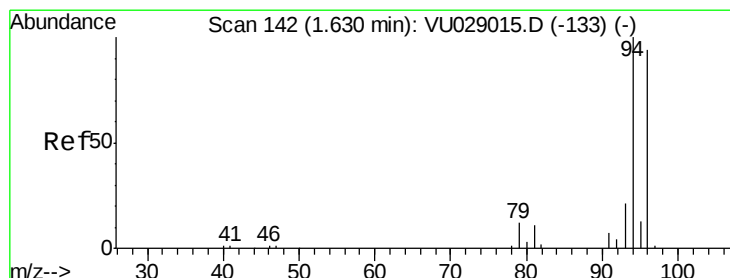
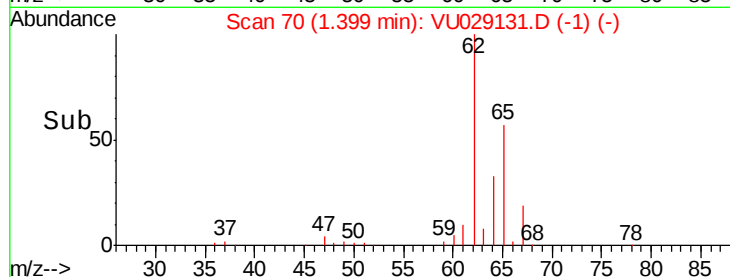
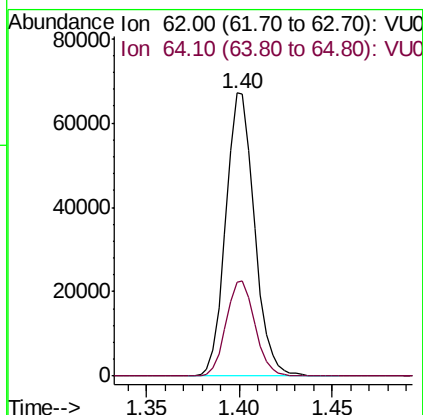
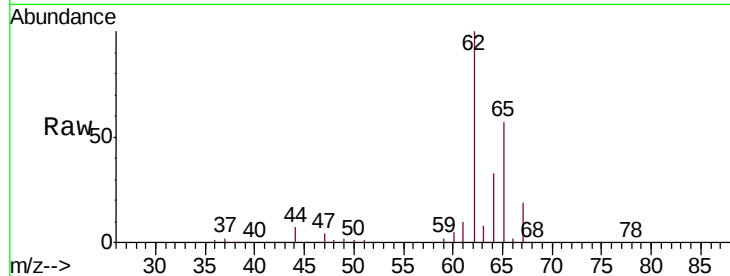




#5
 Vinyl chloride
 Concen: 5.121 ug/L
 RT: 1.40 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

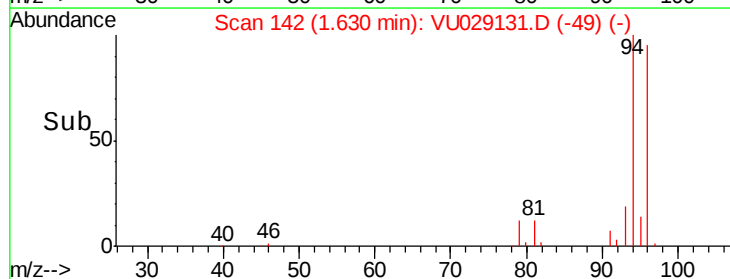
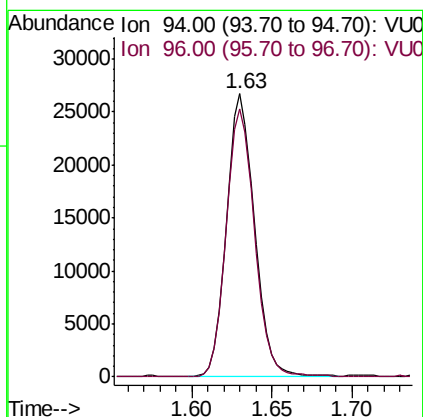
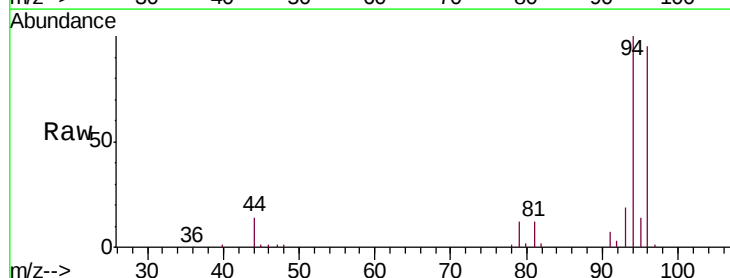
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

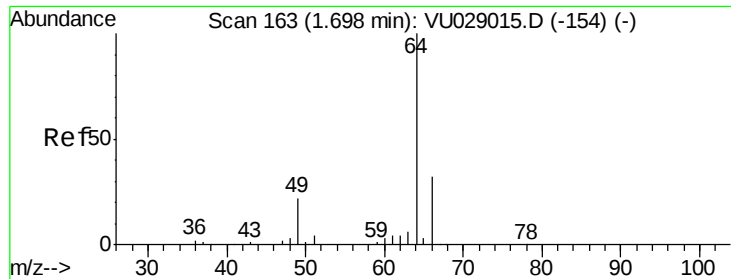
Tgt Ion: 62 Resp: 72142
 Ion Ratio Lower Upper
 62 100
 64 33.2 21.6 40.2



#6
 Bromomethane
 Concen: 4.859 ug/L
 RT: 1.63 min Scan# 142
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion: 94 Resp: 31691
 Ion Ratio Lower Upper
 94 100
 96 94.6 66.0 122.6





#8

Chloroethane

Concen: 5.156 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

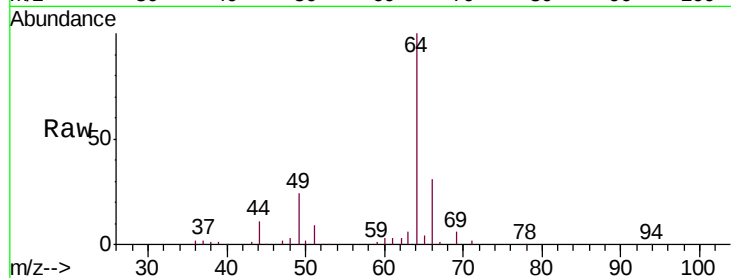
VSTD00553

Tgt Ion: 64 Resp: 41455

Ion Ratio Lower Upper

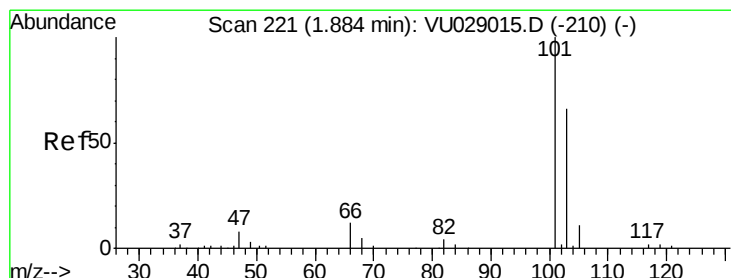
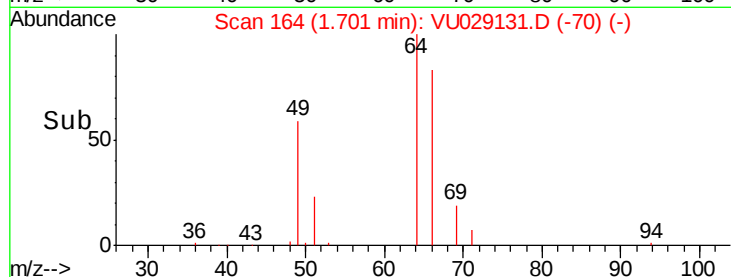
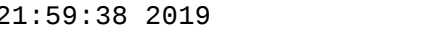
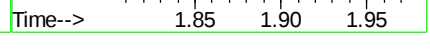
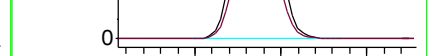
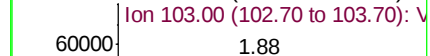
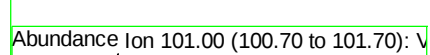
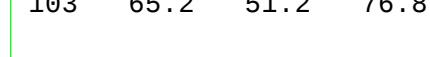
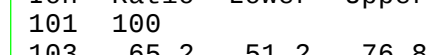
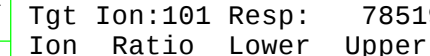
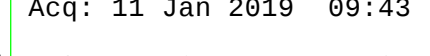
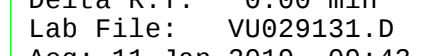
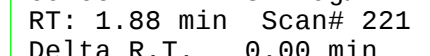
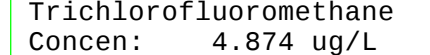
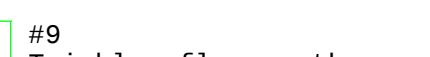
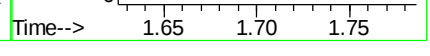
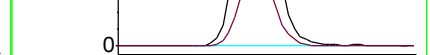
64 100

66 31.0 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU029015.D (-154) (-)

Ion 66.05 (65.75 to 66.75): VU029015.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 4.874 ug/L

RT: 1.88 min Scan# 221

Delta R.T. 0.00 min

Lab File: VU029131.D

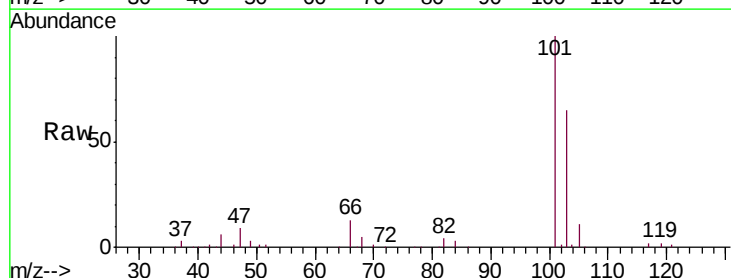
Acq: 11 Jan 2019 09:43

Tgt Ion: 101 Resp: 78519

Ion Ratio Lower Upper

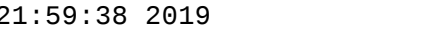
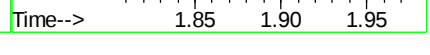
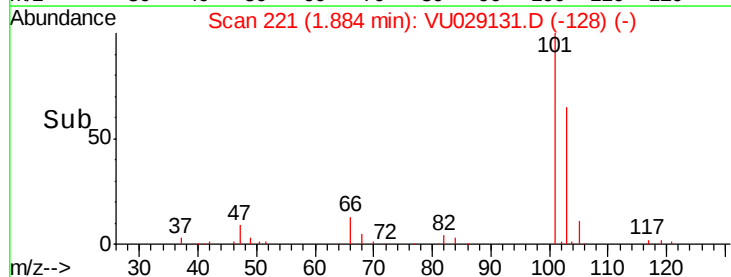
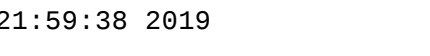
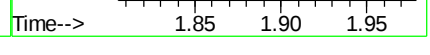
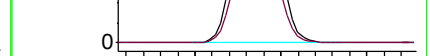
101 100

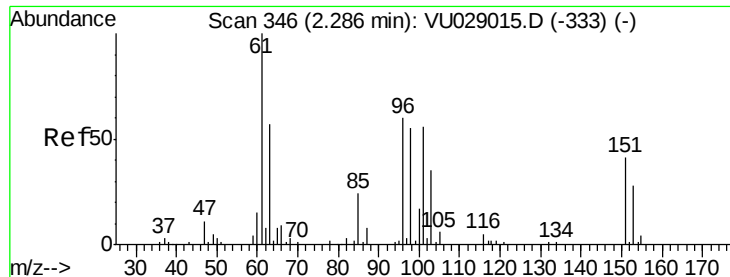
103 65.2 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU029015.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU029015.D (-210) (-)





#10

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

Concen: 4.733 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

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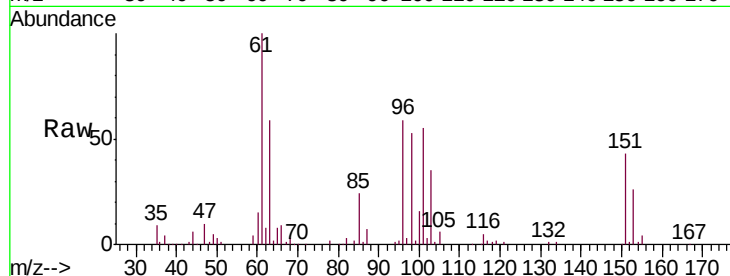
Tgt Ion: 101 Resp: 49206

Ion Ratio Lower Upper

101 100

85 43.6 33.8 50.6

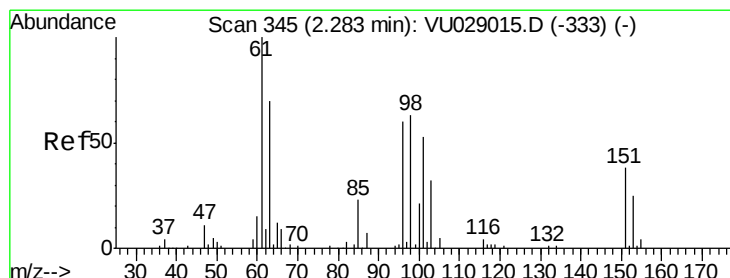
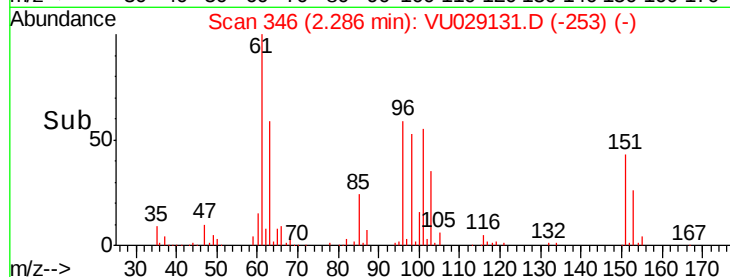
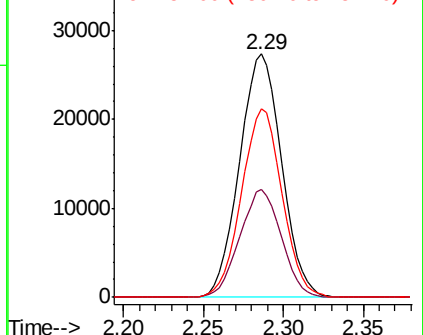
151 74.7 60.9 91.3



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: 4.572 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

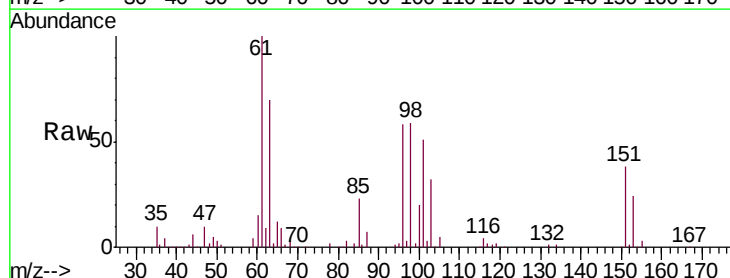
Tgt Ion: 96 Resp: 46218

Ion Ratio Lower Upper

96 100

61 172.8 110.5 205.3

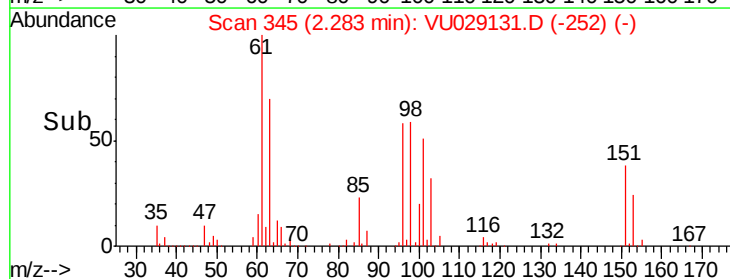
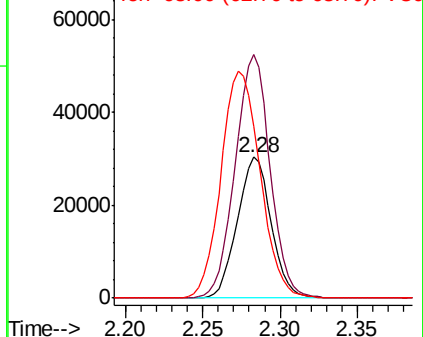
63 121.8 67.6 125.6

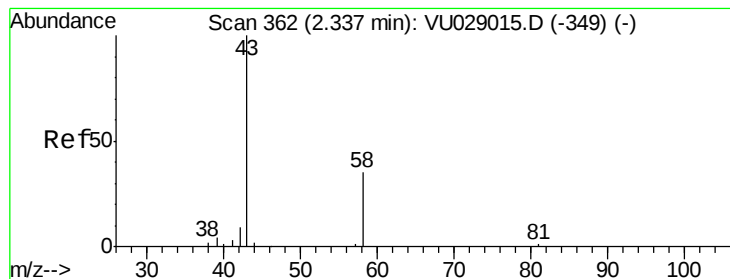


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.688 ug/L

RT: 2.35 min Scan# 367

Delta R.T. 0.02 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

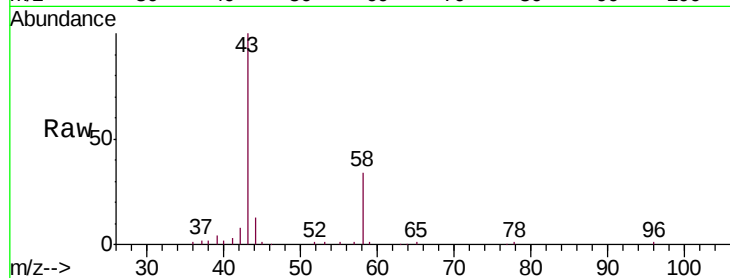
VSTD00553

Tgt Ion: 43 Resp: 88708

Ion Ratio Lower Upper

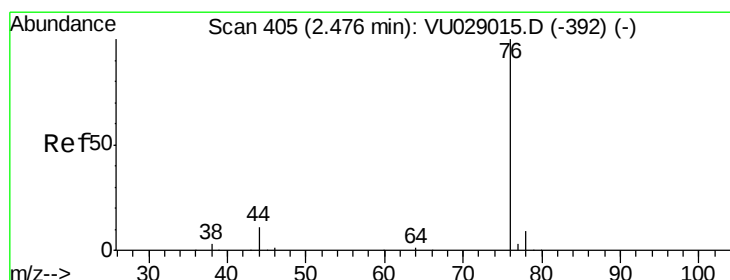
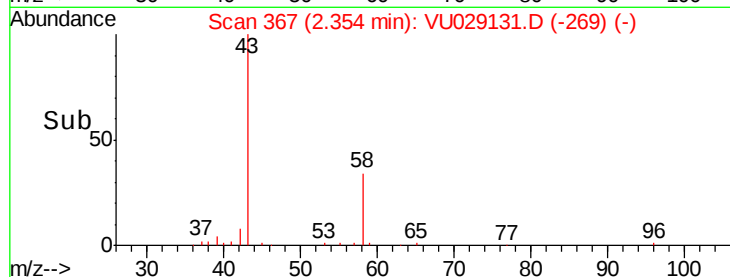
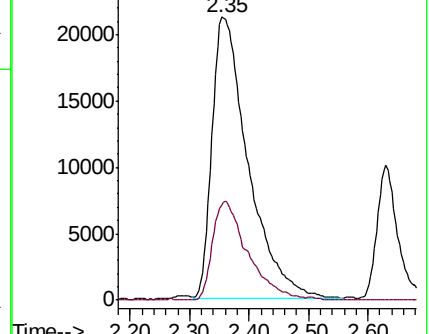
43 100

58 34.5 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU029131.D (-367) (-)

Ion 58.05 (57.75 to 58.75): VU029131.D (-367) (-)



#14

Carbon disulfide

Concen: 4.676 ug/L

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029131.D

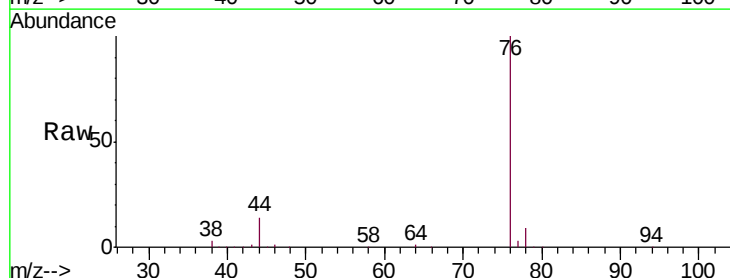
Acq: 11 Jan 2019 09:43

Tgt Ion: 76 Resp: 165151

Ion Ratio Lower Upper

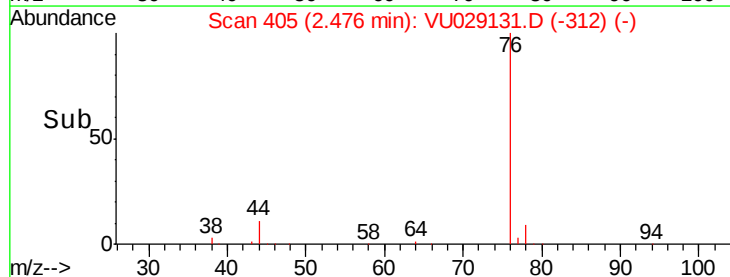
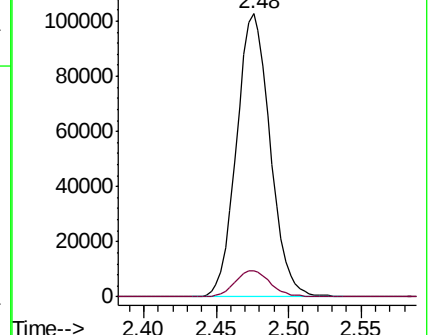
76 100

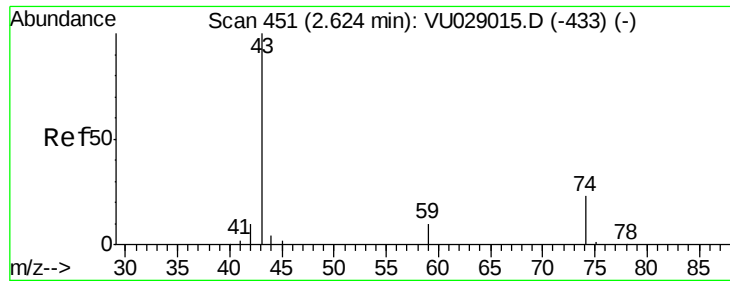
78 9.4 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU029131.D (-405) (-)

Ion 78.00 (77.70 to 78.70): VU029131.D (-405) (-)

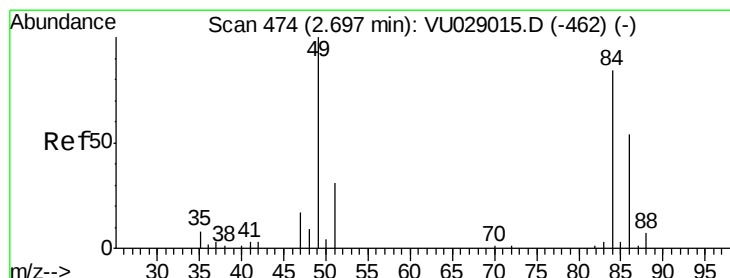
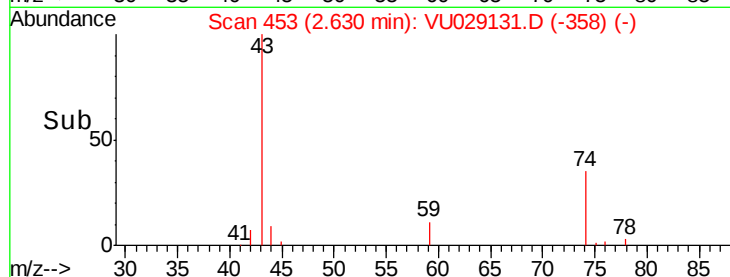
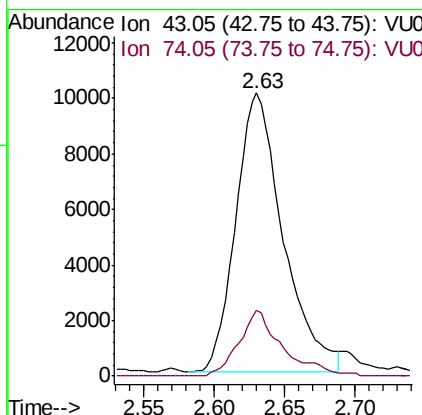
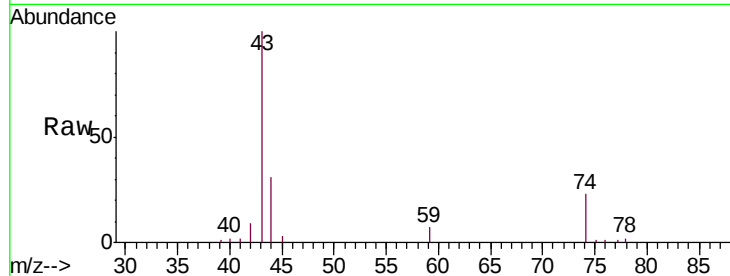




#15
Methyl Acetate
Concen: 5.043 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.01 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

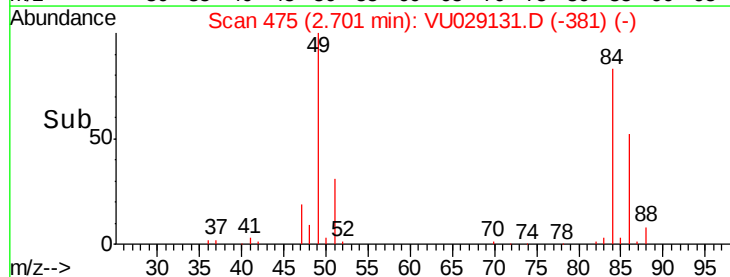
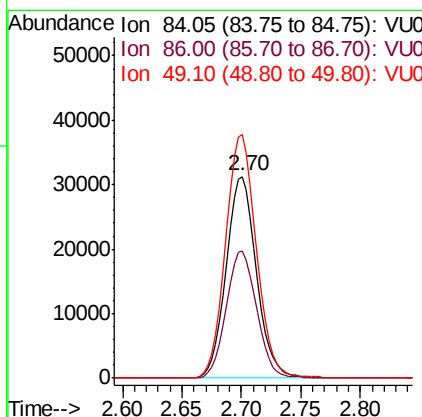
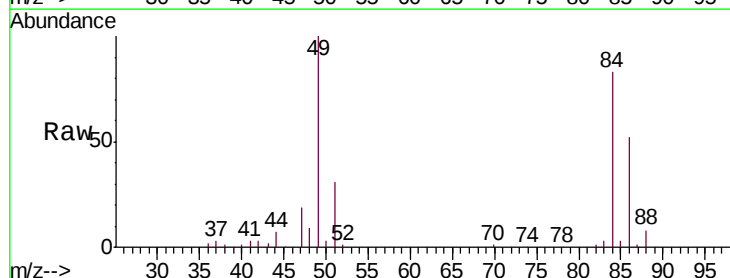
Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

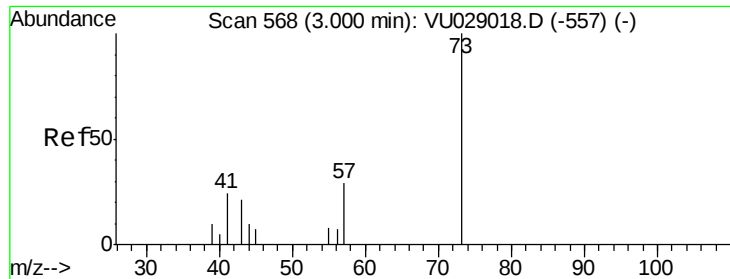
Tgt Ion: 43 Resp: 23537
Ion Ratio Lower Upper
43 100
74 21.6 20.6 30.8



#16
Methylene chloride
Concen: 3.818 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

Tgt Ion: 84 Resp: 55253
Ion Ratio Lower Upper
84 100
86 62.8 45.6 84.6
49 120.5 79.7 148.1

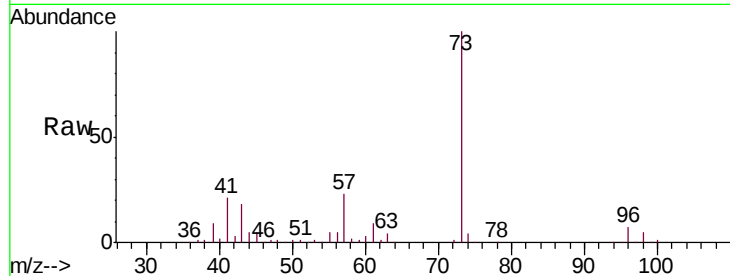




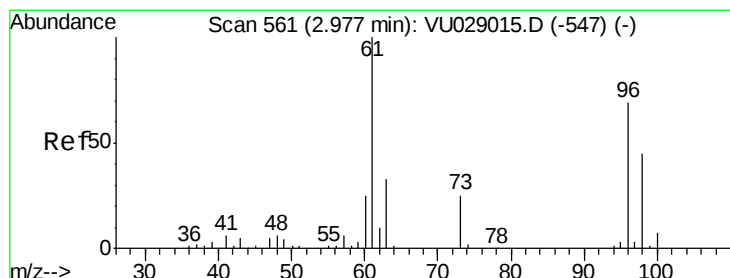
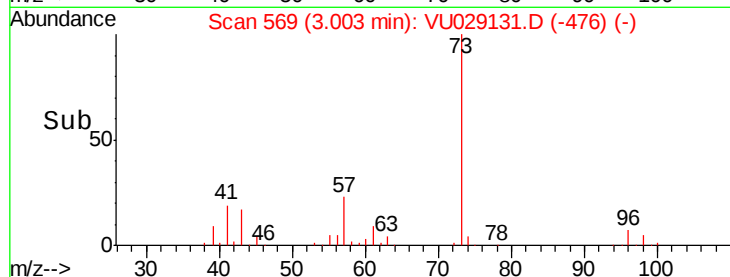
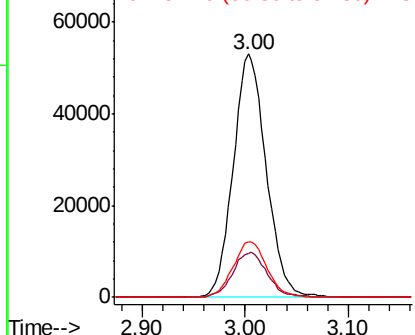
#17
Methyl tert-butyl Ether
Concen: 4.761 ug/L
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

Tgt Ion: 73 Resp: 118174
Ion Ratio Lower Upper
73 100
43 19.5 13.8 20.8
57 23.3 17.5 26.3

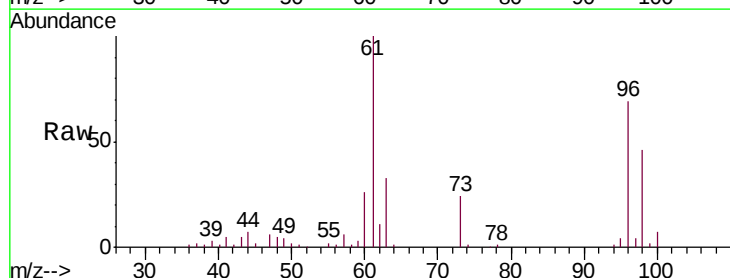


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

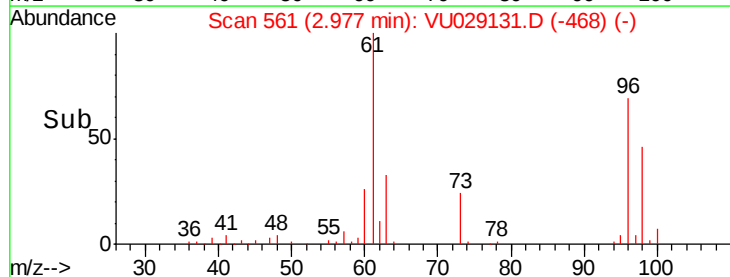
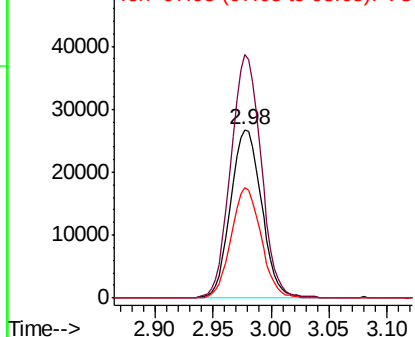


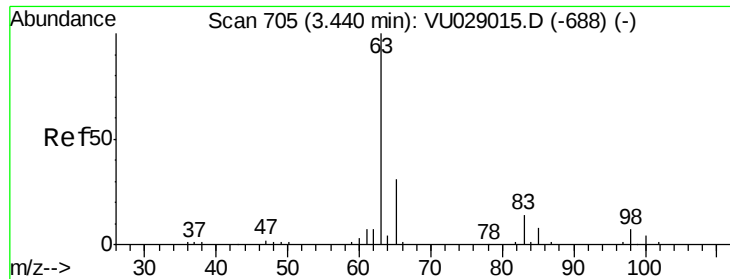
#18
trans-1,2-Dichloroethene
Concen: 4.471 ug/L
RT: 2.98 min Scan# 561
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

Tgt Ion: 96 Resp: 49620
Ion Ratio Lower Upper
96 100
61 144.7 96.6 179.4
98 66.0 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

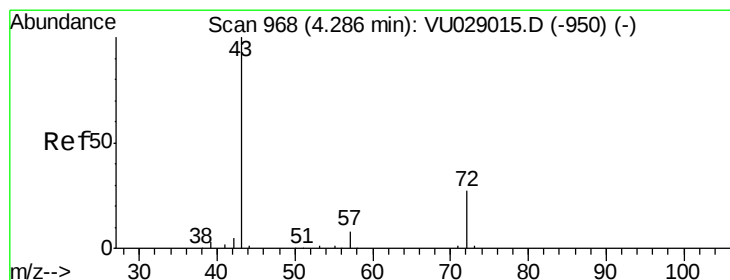
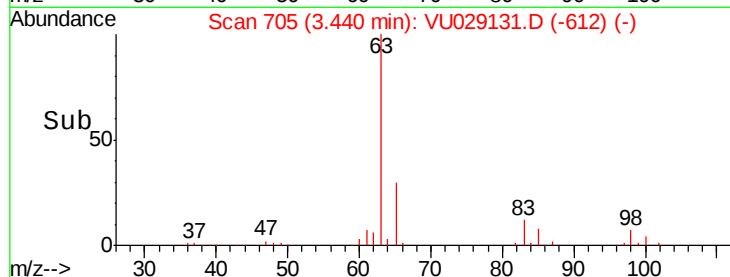
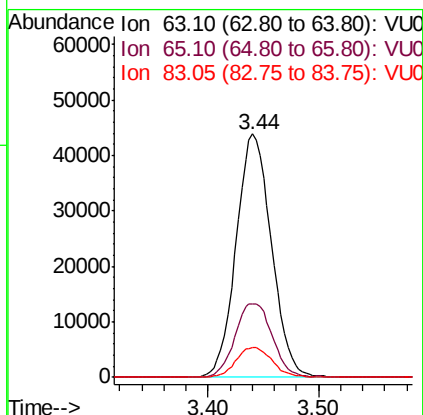
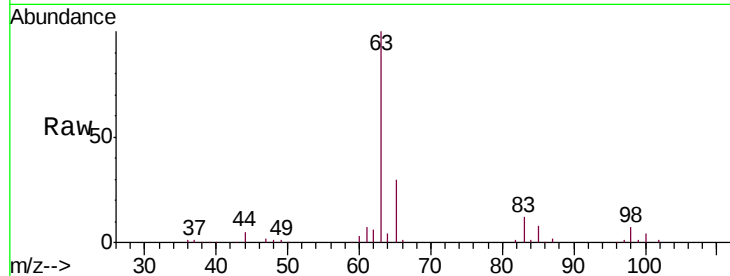




#19
 1,1-Dichloroethane
 Concen: 5.157 ug/L
 RT: 3.44 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

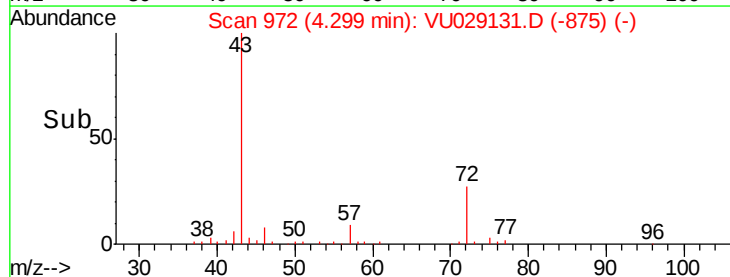
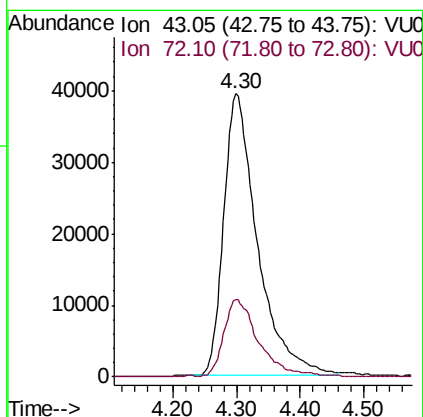
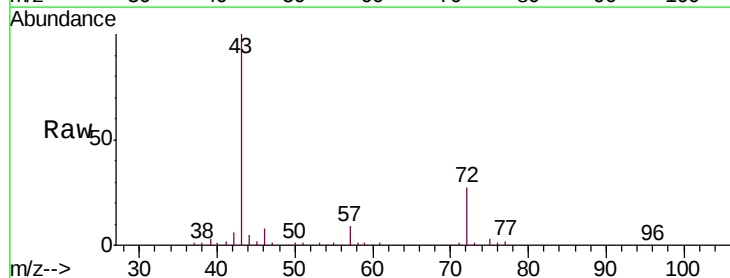
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

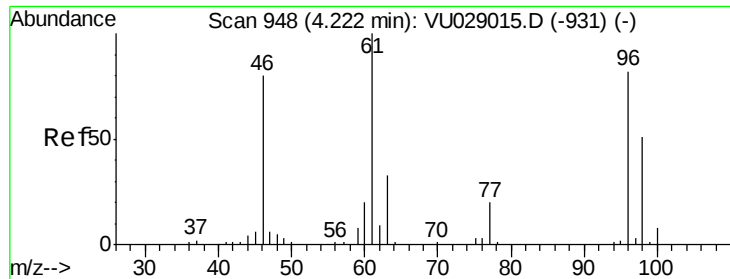
Tgt Ion: 63 Resp: 97169
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.8 40.6
 83 12.3 9.3 17.3



#21
 2-Butanone
 Concen: 61.290 ug/L
 RT: 4.30 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion: 43 Resp: 146067
 Ion Ratio Lower Upper
 43 100
 72 27.3 15.2 45.5



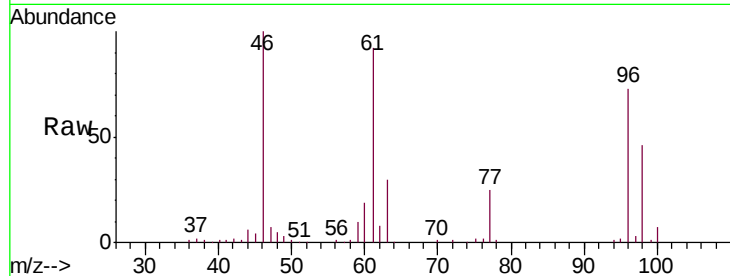


#22

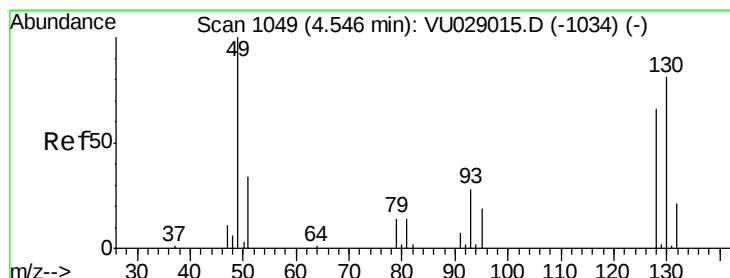
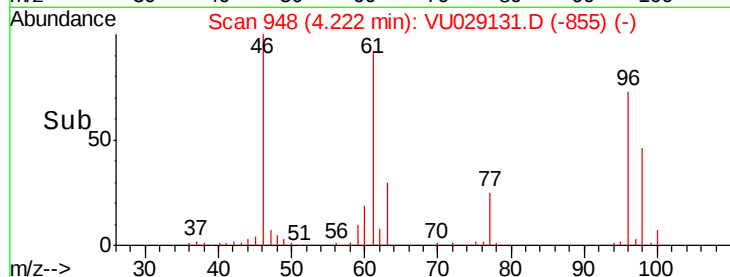
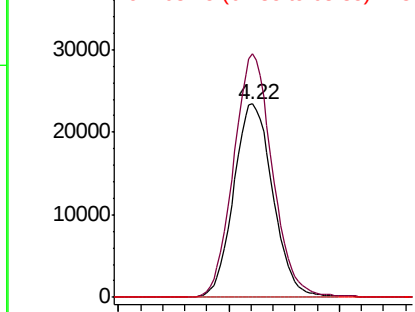
cis-1,2-Dichloroethene
 Concen: 5.021 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Tgt Ion: 96 Resp: 57651
 Ion Ratio Lower Upper
 96 100
 61 126.0 84.7 157.3
 68 0.0 0.0 0.0



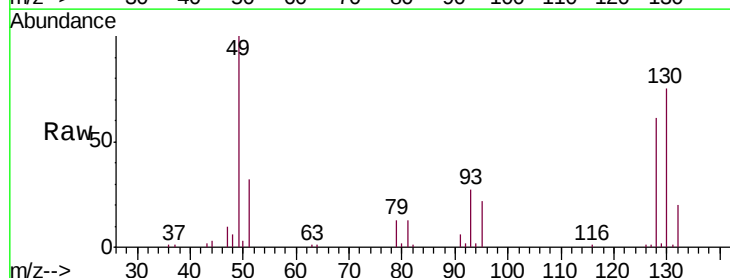
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



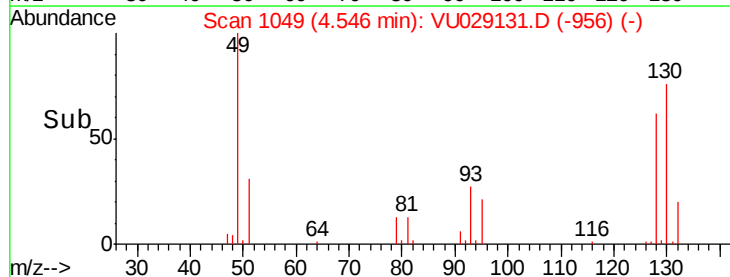
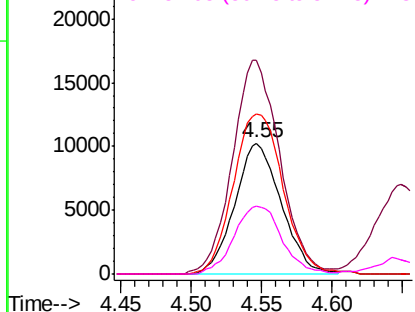
#23

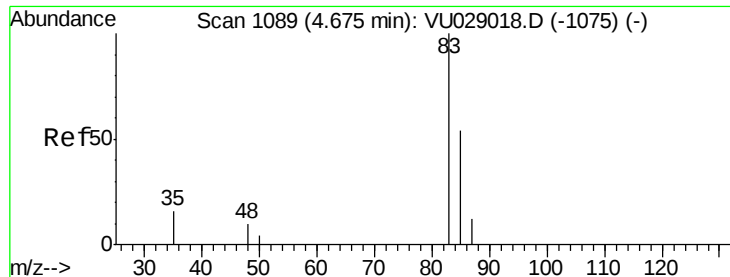
Bromochloromethane
 Concen: 5.076 ug/L
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion: 128 Resp: 23648
 Ion Ratio Lower Upper
 128 100
 49 163.5 109.3 202.9
 130 122.5 88.7 164.7
 51 51.5 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

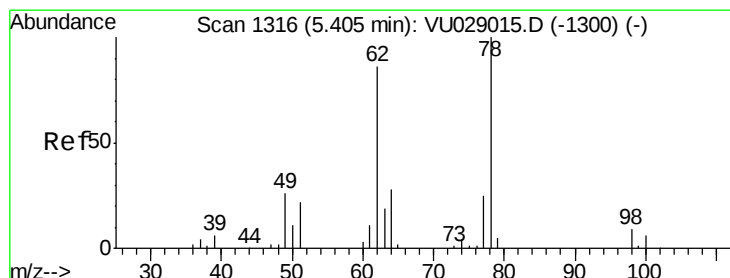
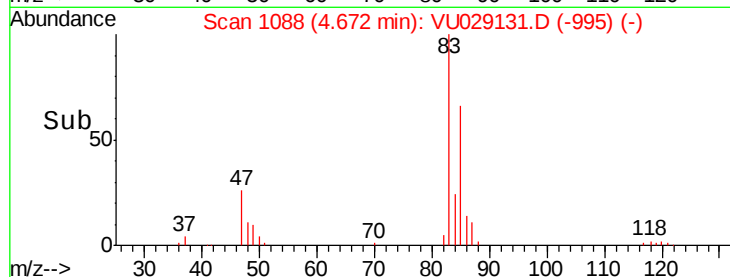
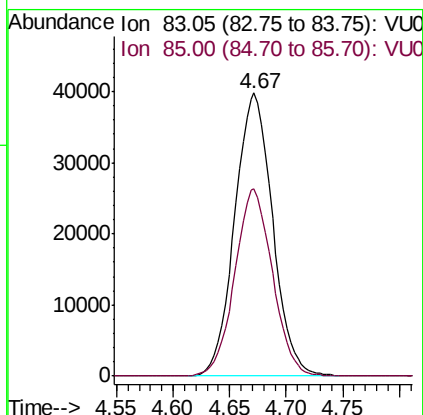
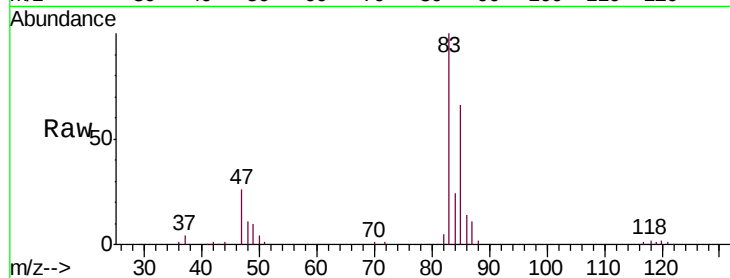




#25
Chloroform
Concen: 5.181 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

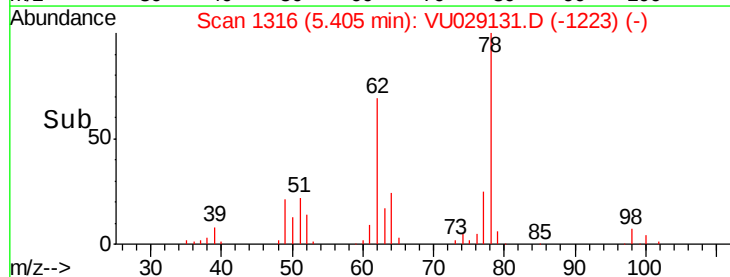
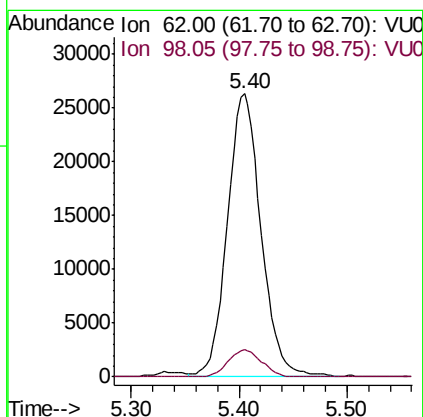
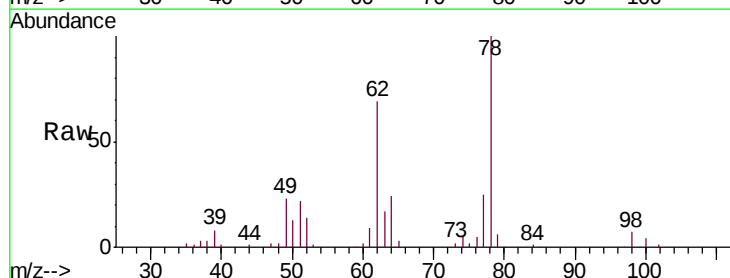
Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

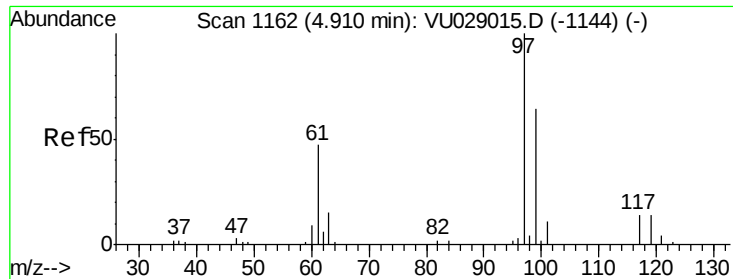
Tgt Ion: 83 Resp: 92756
Ion Ratio Lower Upper
83 100
85 66.3 45.6 84.8



#27
1,2-Dichloroethane
Concen: 5.411 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

Tgt Ion: 62 Resp: 57305
Ion Ratio Lower Upper
62 100
98 9.5 8.2 12.2

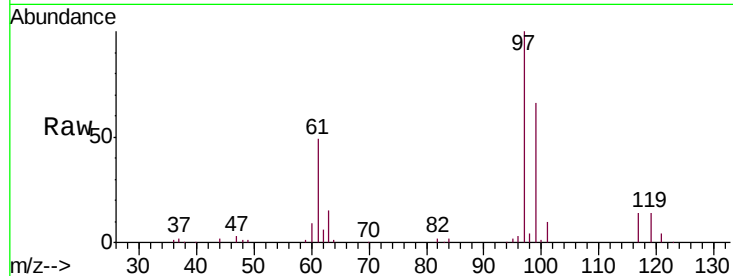




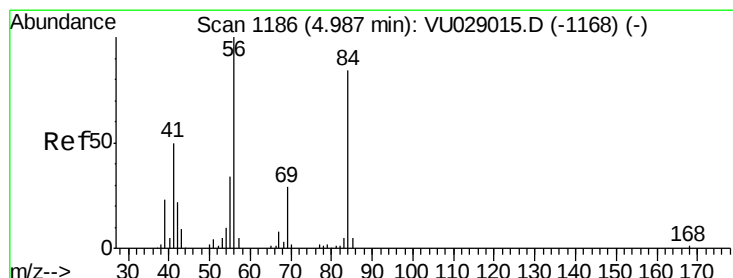
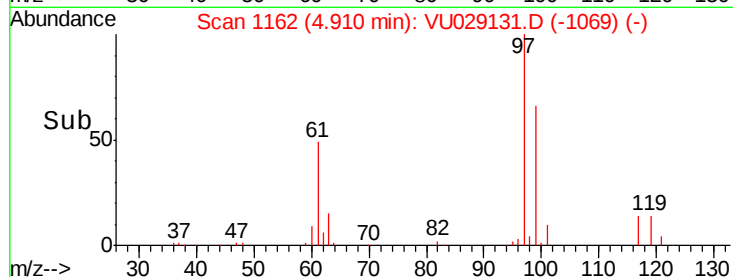
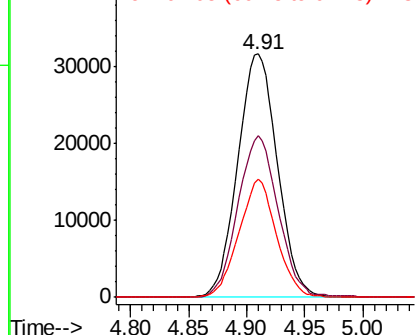
#29
 1,1,1-Trichloroethane
 Concen: 5.038 ug/L
 RT: 4.91 min Scan# 1162
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Tgt Ion: 97 Resp: 75246
 Ion Ratio Lower Upper
 97 100
 99 67.1 51.6 77.4
 61 45.9 34.1 51.1

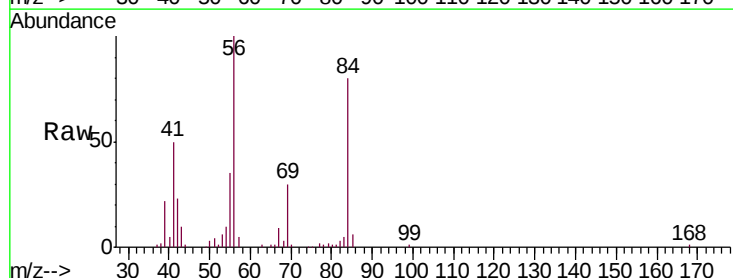


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

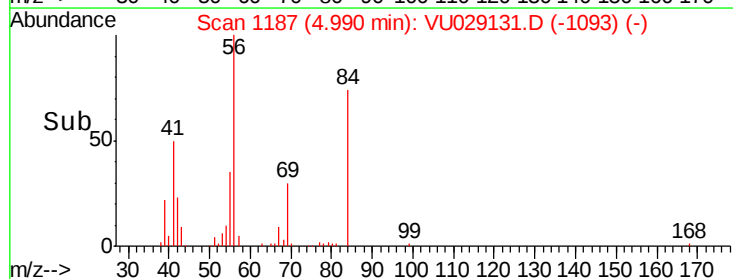
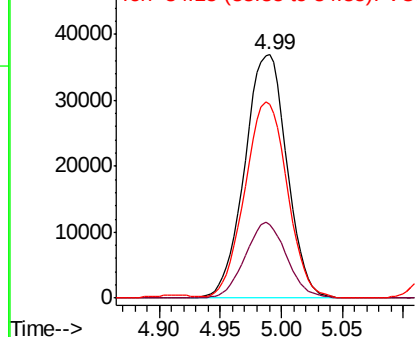


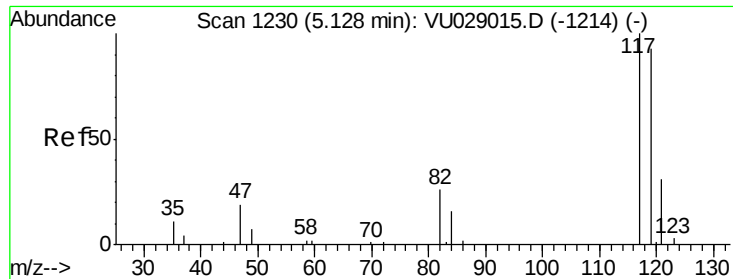
#30
 Cyclohexane
 Concen: 4.945 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion: 56 Resp: 88483
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.8 37.2
 84 81.4 69.1 103.7



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

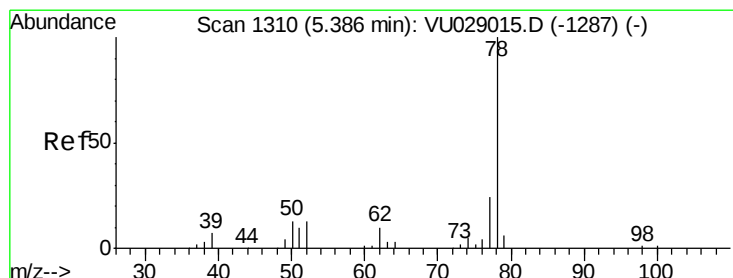
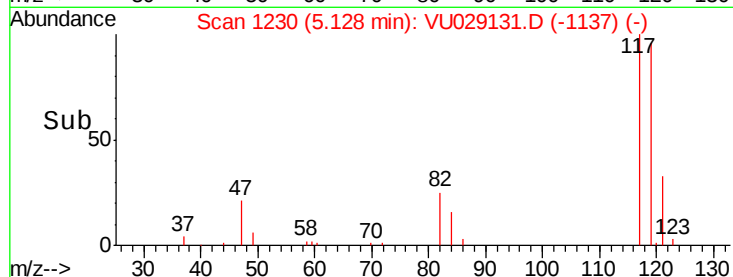
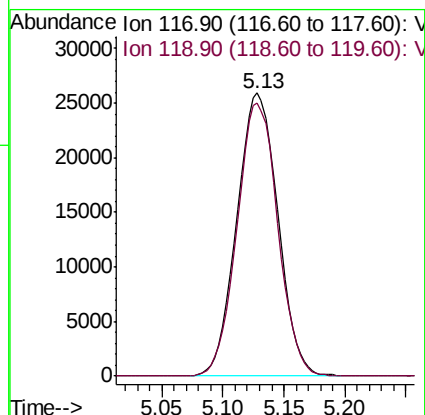
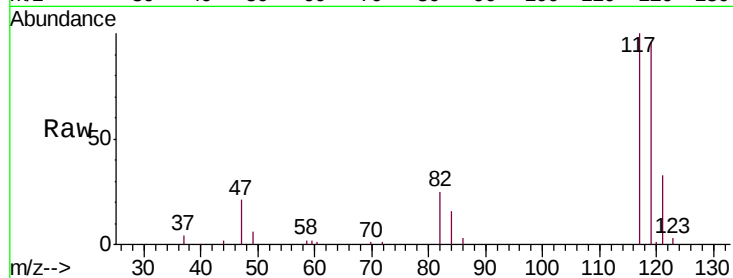




#31
Carbon tetrachloride
Concen: 5.086 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

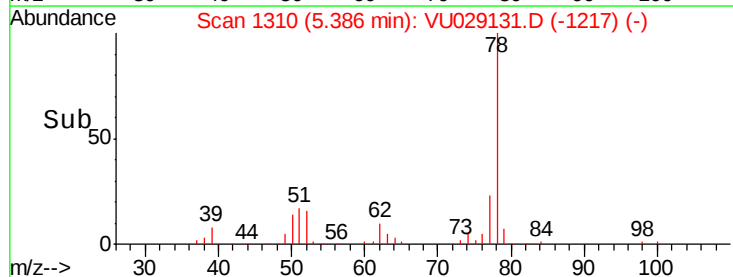
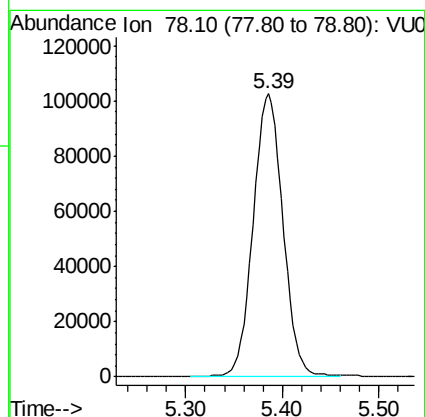
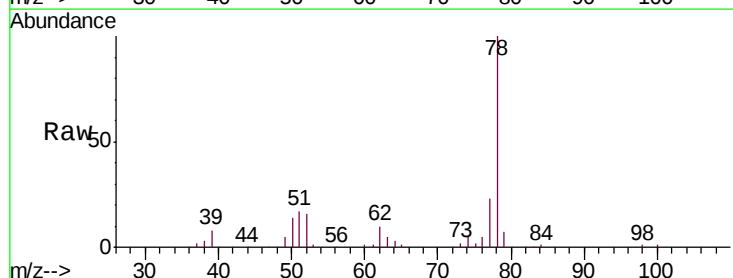
Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

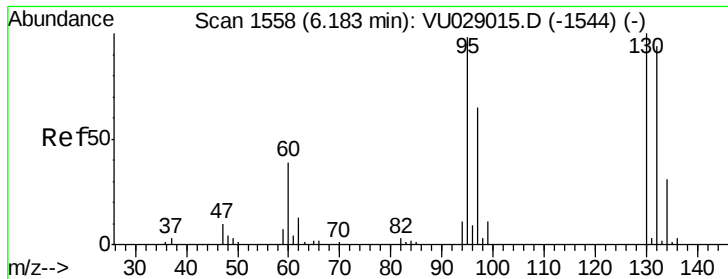
Tgt Ion:117 Resp: 60482
Ion Ratio Lower Upper
117 100
119 95.5 75.4 113.2



#33
Benzene
Concen: 5.050 ug/L
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

Tgt Ion: 78 Resp: 219584





#34

Trichloroethene

Concen: 5.008 ug/L

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

Tgt Ion: 95 Resp: 55681

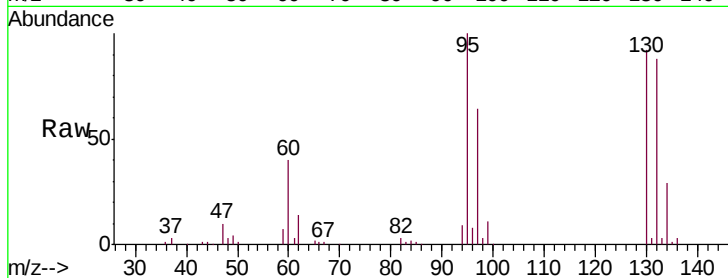
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.2

132 88.1 70.8 131.6

130 92.0 70.7 131.3

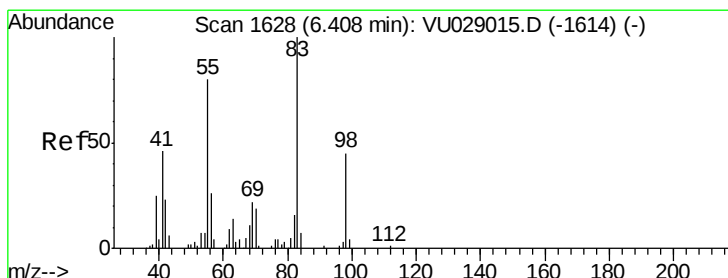
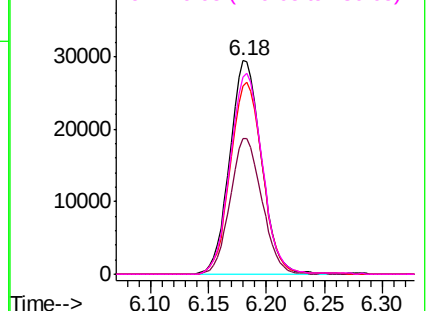
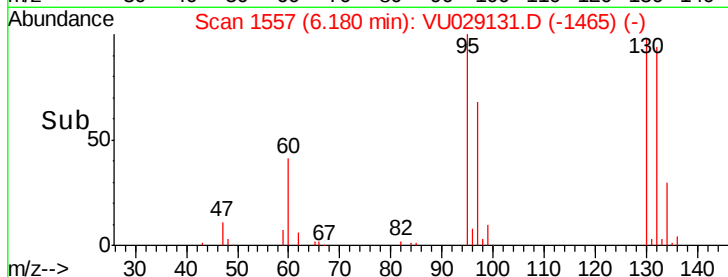


Abundance Ion 95.00 (94.70 to 95.70): VU029131.D (-1465) (-)

Ion 96.95 (96.65 to 97.65): VU029131.D (-1465) (-)

Ion 131.95 (131.65 to 132.65): VU029131.D (-1465) (-)

Ion 129.95 (129.65 to 130.65): VU029131.D (-1465) (-)



#35

Methylcyclohexane

Concen: 4.713 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

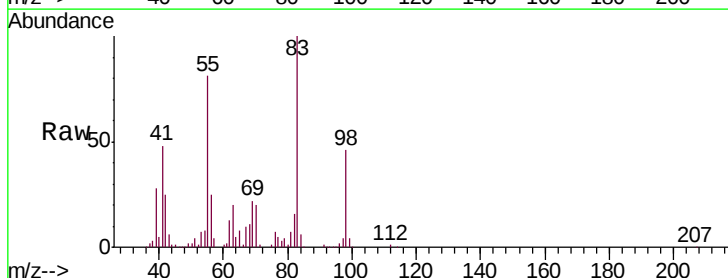
Tgt Ion: 83 Resp: 90003

Ion Ratio Lower Upper

83 100

55 81.2 59.8 89.6

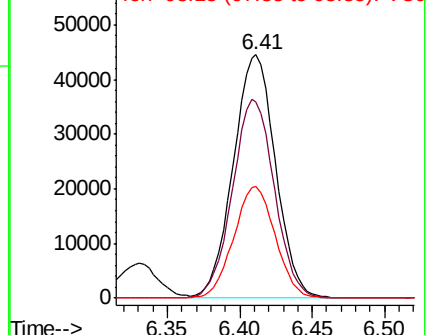
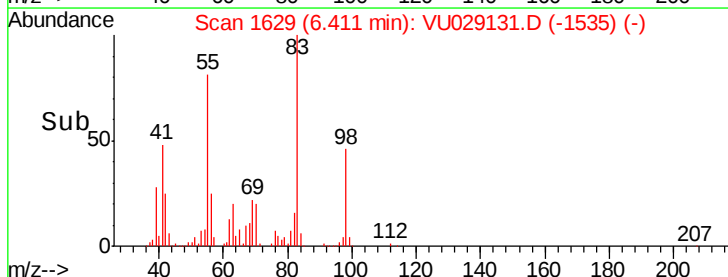
98 45.1 37.0 55.6

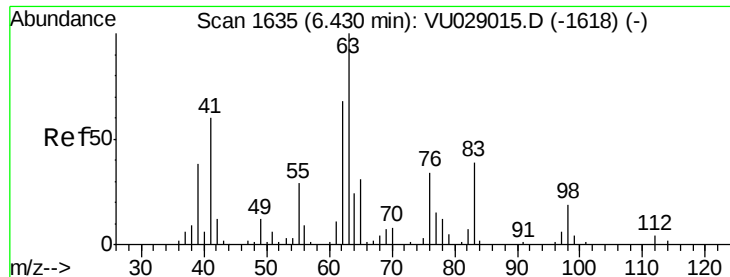


Abundance Ion 83.15 (82.85 to 83.85): VU029131.D (-1535) (-)

Ion 55.10 (54.80 to 55.80): VU029131.D (-1535) (-)

Ion 98.15 (97.85 to 98.85): VU029131.D (-1535) (-)





#37

1,2-Dichloropropane

Concen: 5.287 ug/L

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

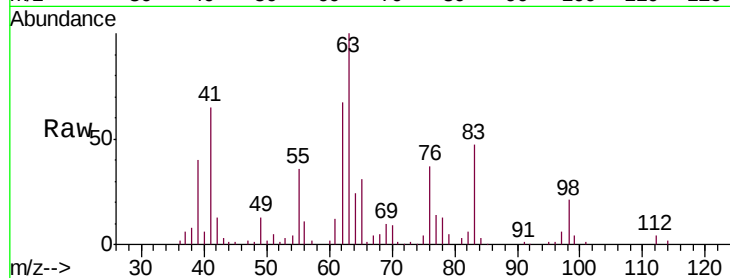
VSTD00553

Tgt Ion: 63 Resp: 58574

Ion Ratio Lower Upper

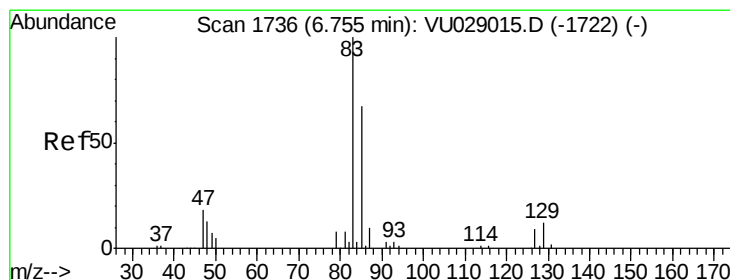
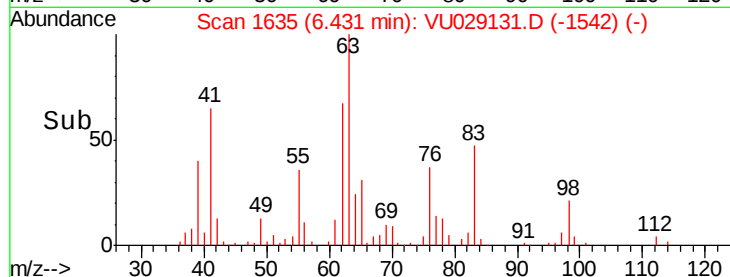
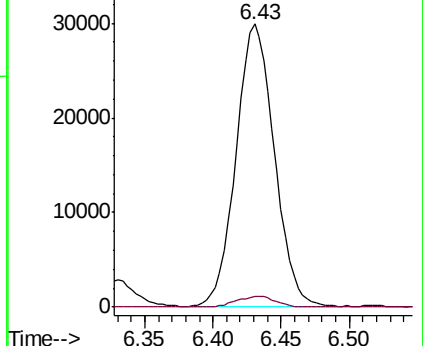
63 100

112 3.8 3.0 4.4



Abundance Ion 63.10 (62.80 to 63.80): VU029131.D (-1542) (-)

Ion 112.10 (111.80 to 112.80): VU029131.D (-1542) (-)



#38

Bromodichloromethane

Concen: 5.221 ug/L

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

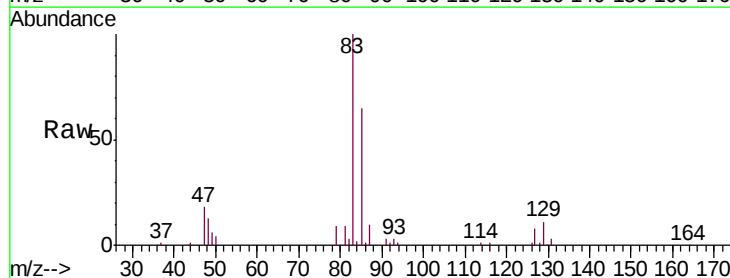
Tgt Ion: 83 Resp: 65123

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9

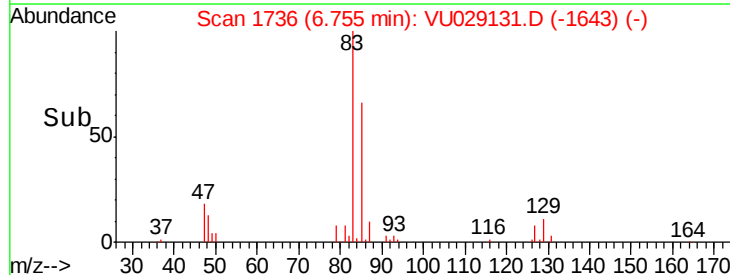
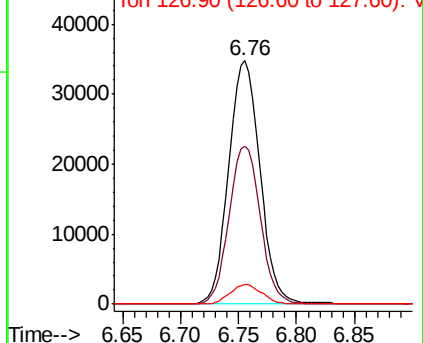
127 8.2 6.8 10.2

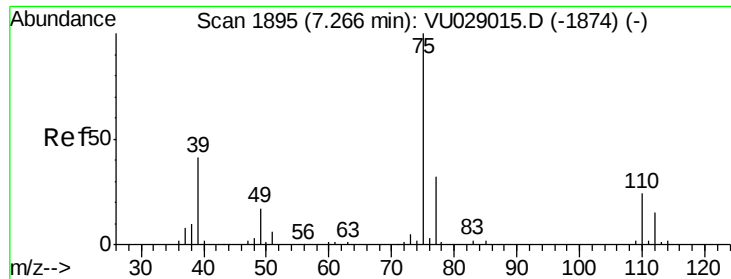


Abundance Ion 82.95 (82.65 to 83.65): VU029131.D (-1643) (-)

Ion 85.00 (84.70 to 85.70): VU029131.D (-1643) (-)

Ion 126.90 (126.60 to 127.60): VU029131.D (-1643) (-)

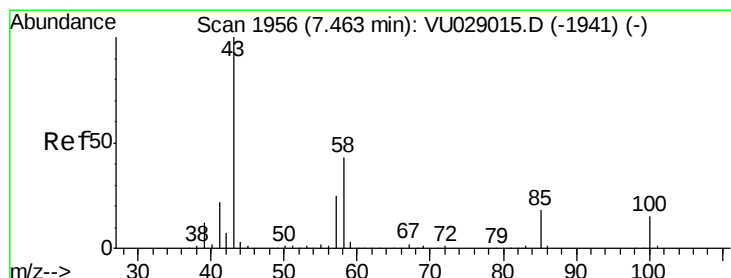
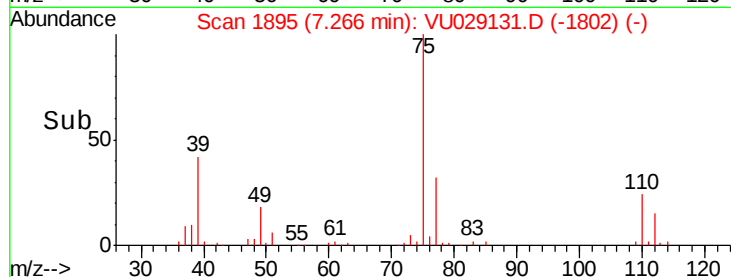
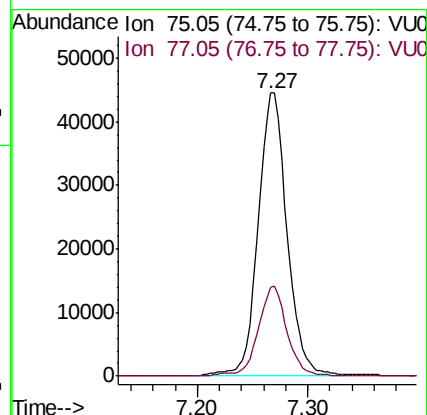
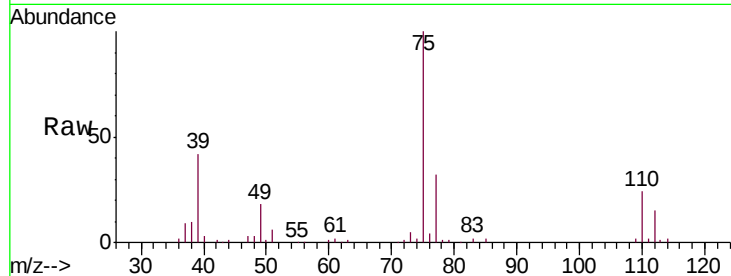




#39
 cis-1,3-Dichloropropene
 Concen: 5.100 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

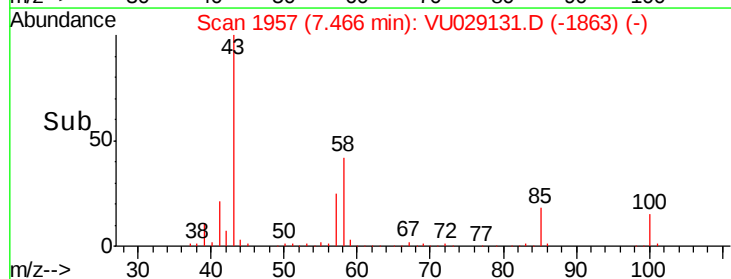
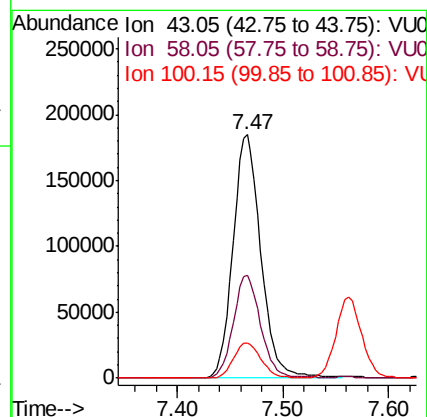
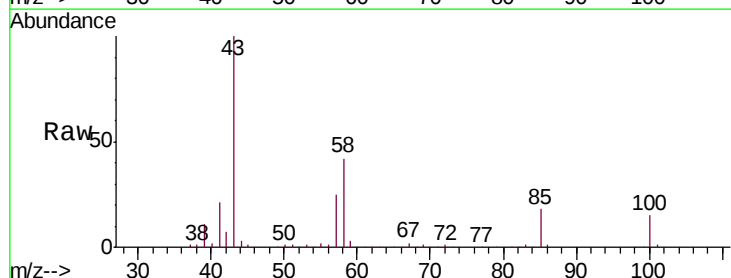
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

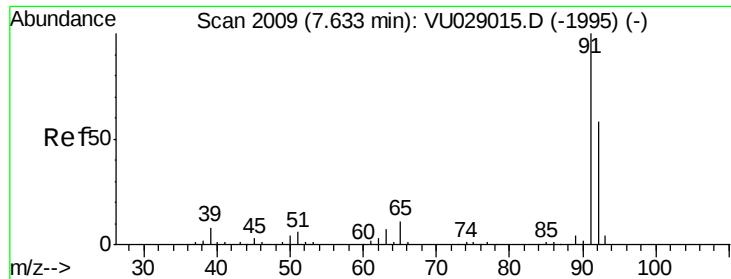
Tgt Ion: 75 Resp: 81002
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 57.205 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion: 43 Resp: 337204
 Ion Ratio Lower Upper
 43 100
 58 41.5 34.6 51.8
 100 14.4 13.4 20.0





#42

Toluene

Concen: 4.832 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

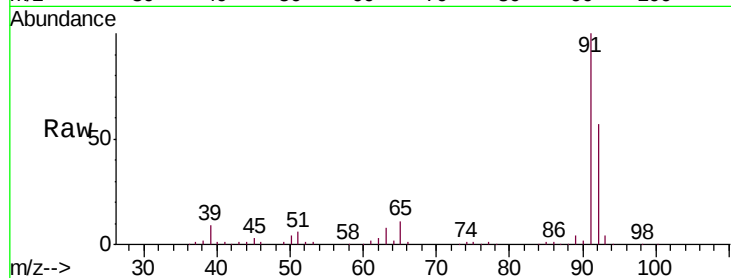
VSTD00553

Tgt Ion: 91 Resp: 224932

Ion Ratio Lower Upper

91 100

92 57.5 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

150000

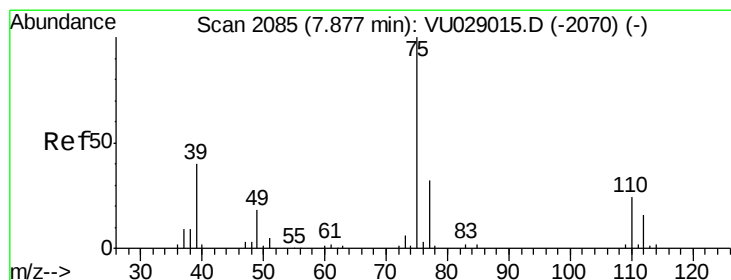
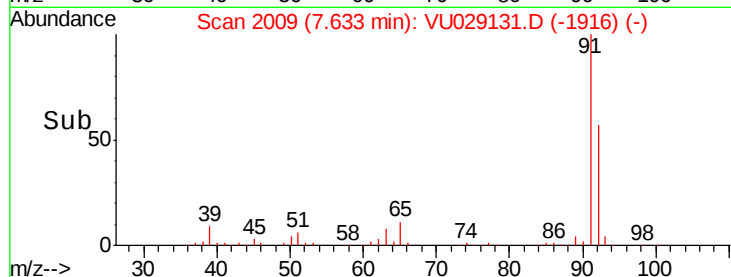
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.270 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU029131.D

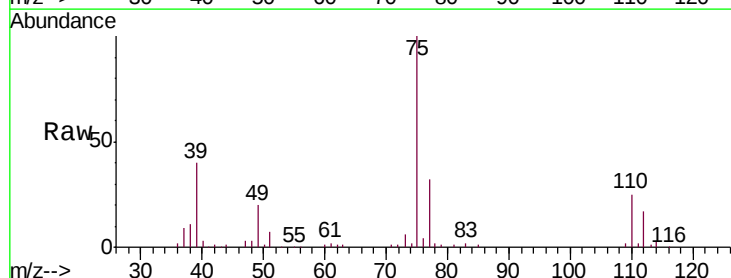
Acq: 11 Jan 2019 09:43

Tgt Ion: 75 Resp: 65235

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

40000

30000

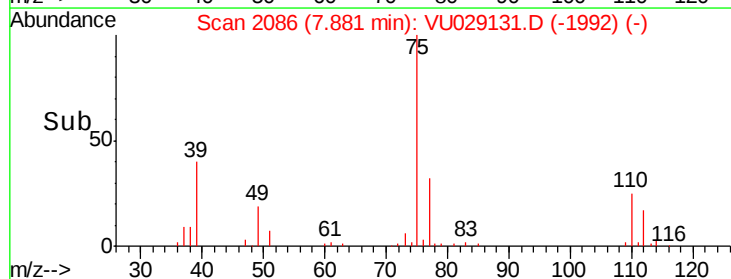
20000

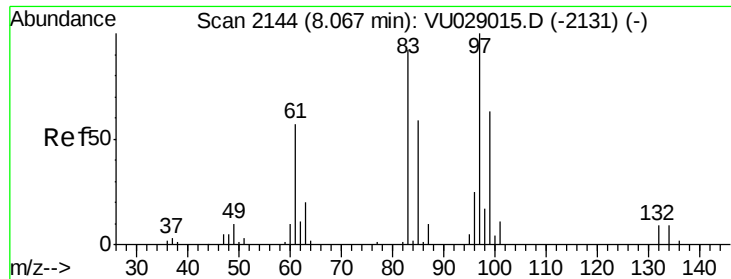
10000

0

7.80 7.90 8.00

Time-->

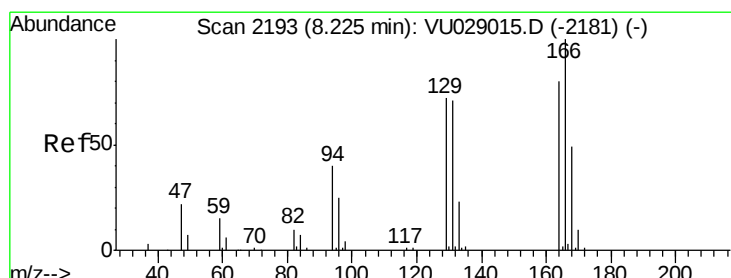
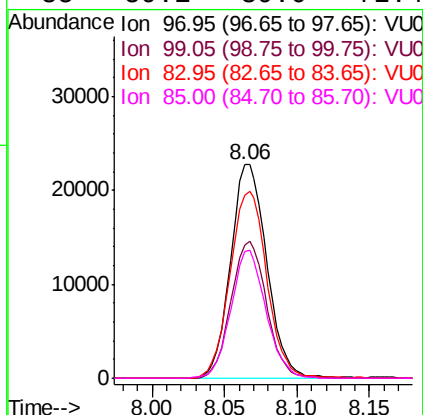
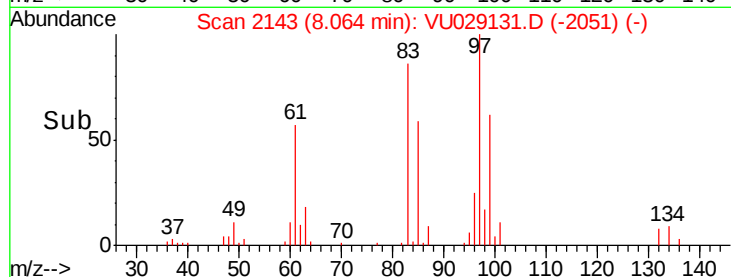
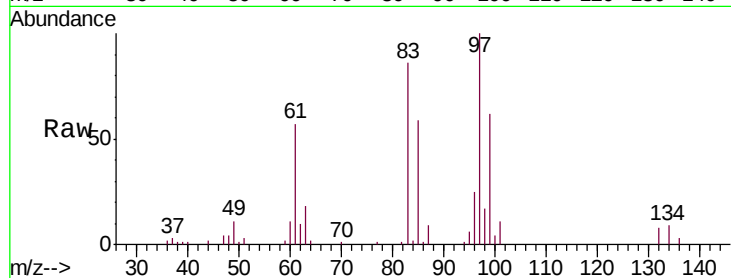




#45
 1,1,2-Trichloroethane
 Concen: 5.239 ug/L
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

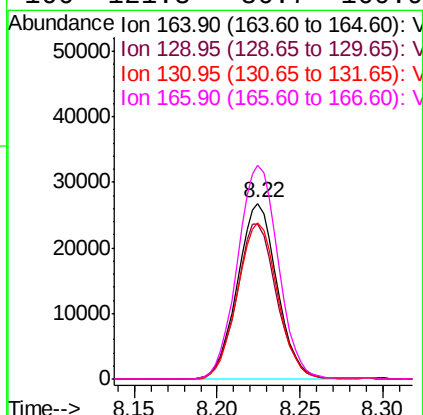
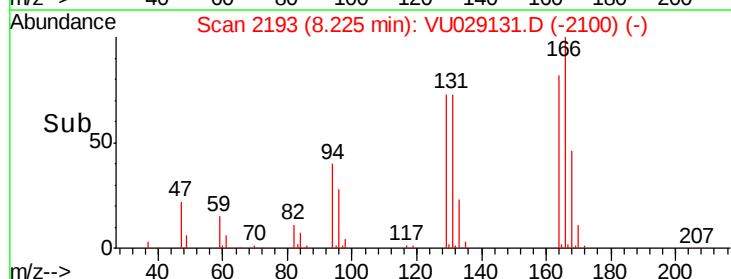
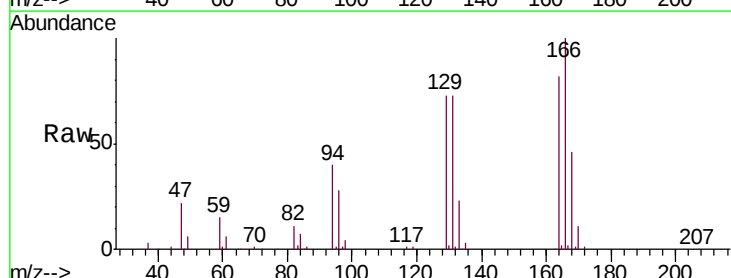
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

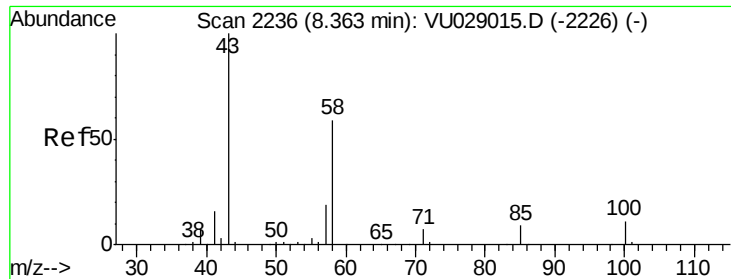
Tgt Ion:	97	Resp:	39499
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.4	78.6
83	85.7	59.6	110.6
85	59.1	39.0	72.4



#47
 Tetrachloroethene
 Concen: 4.821 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion:	164	Resp:	44396
Ion	Ratio	Lower	Upper
164	100		
129	88.3	65.3	121.3
131	88.7	62.9	116.7
166	121.8	86.7	160.9

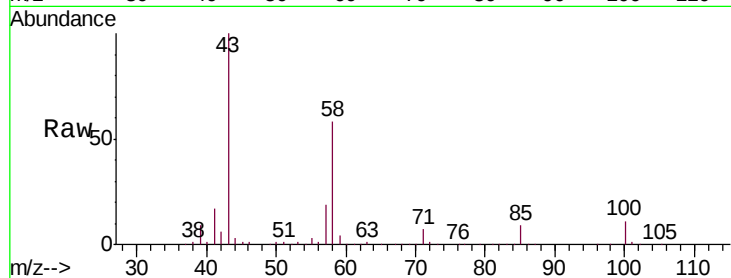




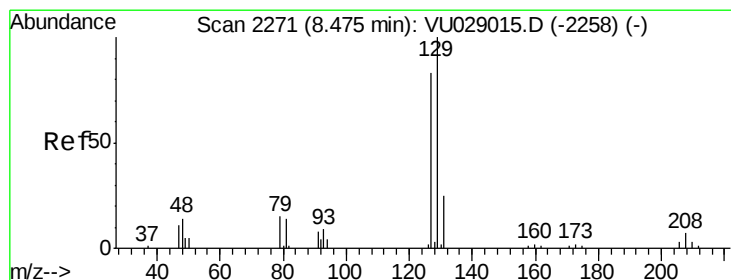
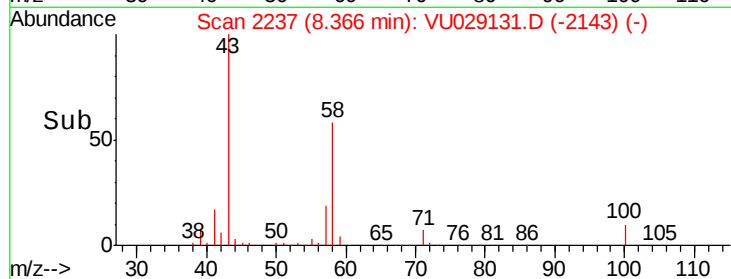
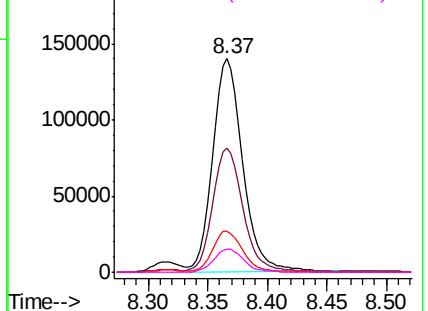
#48
2-Hexanone
Concen: 59.812 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

Tgt Ion: 43 Resp: 243884
Ion Ratio Lower Upper
43 100
58 59.0 48.8 73.2
57 18.9 16.0 24.0
100 11.1 10.2 15.4

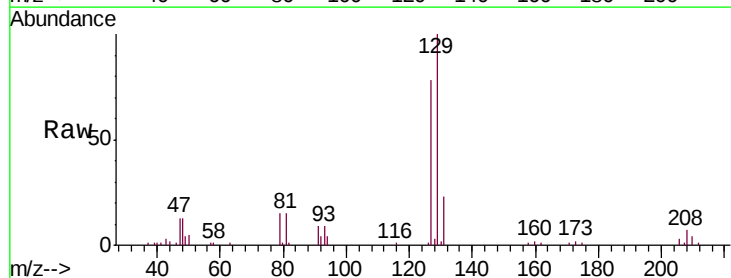


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

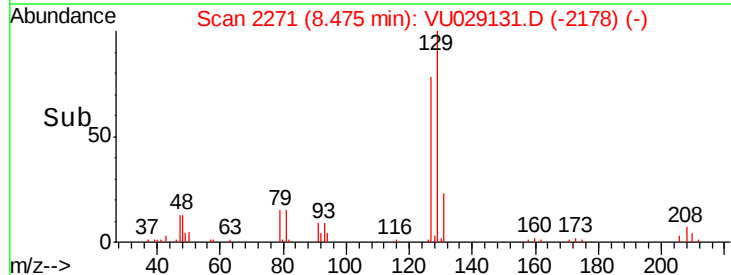
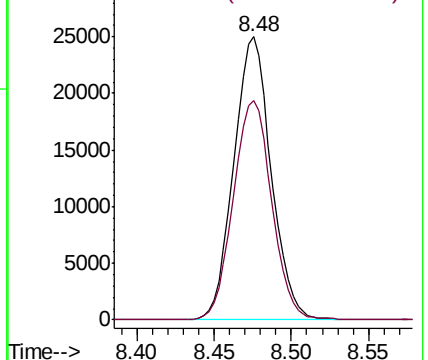


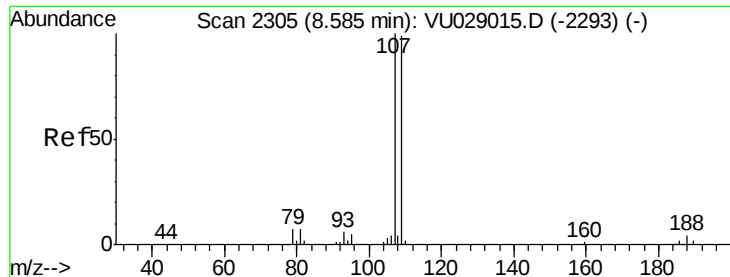
#49
Dibromochloromethane
Concen: 5.234 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

Tgt Ion: 129 Resp: 41892
Ion Ratio Lower Upper
129 100
127 77.7 54.4 101.0



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

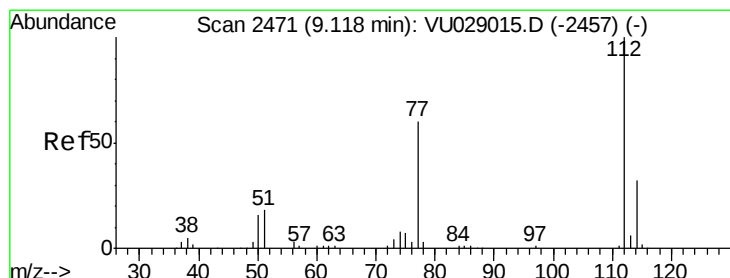
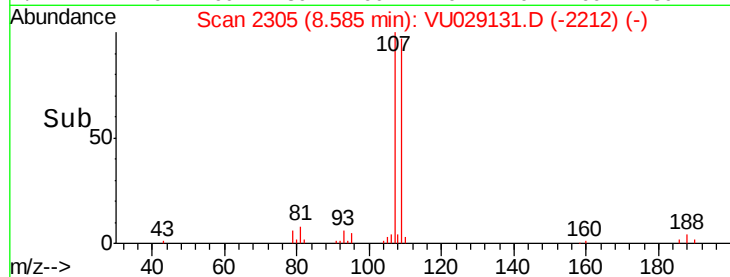
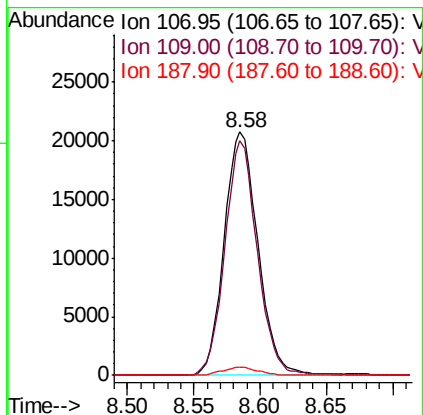
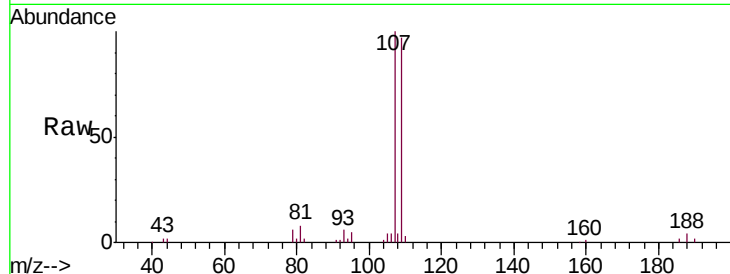




#50
1,2-Dibromoethane
Concen: 5.185 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

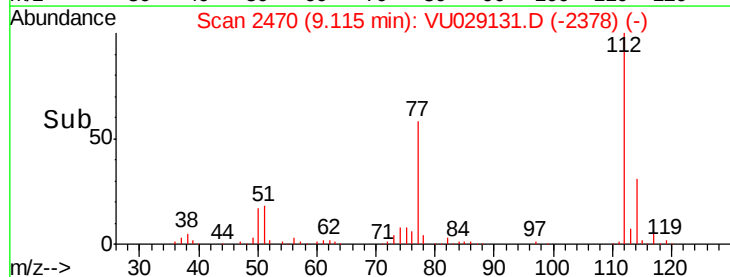
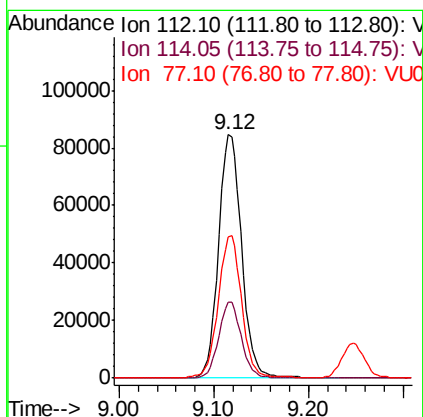
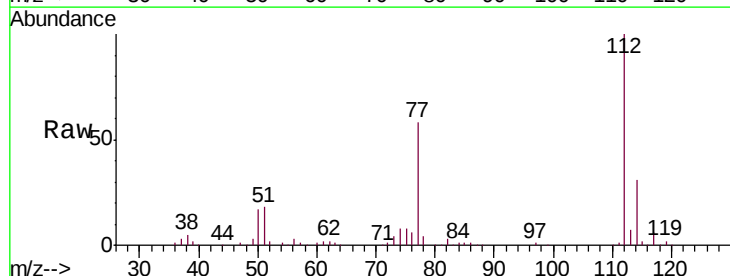
Instrument :
MSVOA_U
ClientSampleId :
VSTD00553

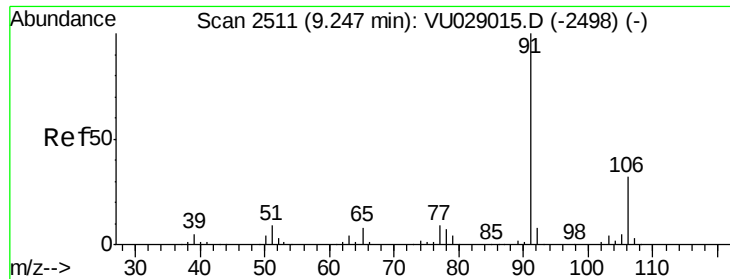
Tgt Ion:107 Resp: 36566
Ion Ratio Lower Upper
107 100
109 96.5 64.0 119.0
188 3.5 3.0 4.4



#51
Chlorobenzene
Concen: 4.920 ug/L
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU029131.D
Acq: 11 Jan 2019 09:43

Tgt Ion:112 Resp: 143625
Ion Ratio Lower Upper
112 100
114 31.4 22.2 41.2
77 58.0 44.9 67.3





#52

Ethylbenzene

Concen: 4.814 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

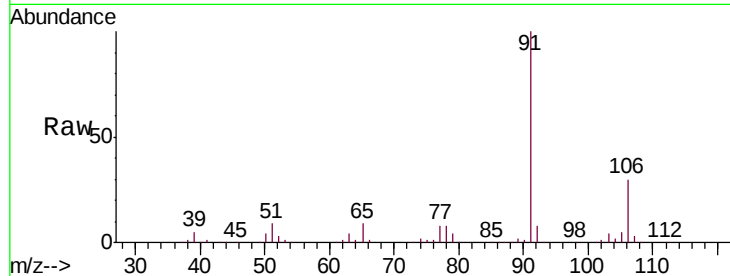
VSTD00553

Tgt Ion: 91 Resp: 237715

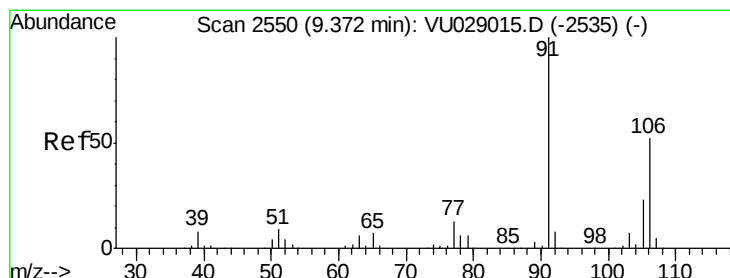
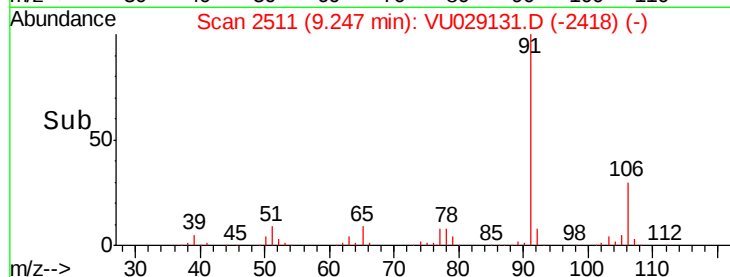
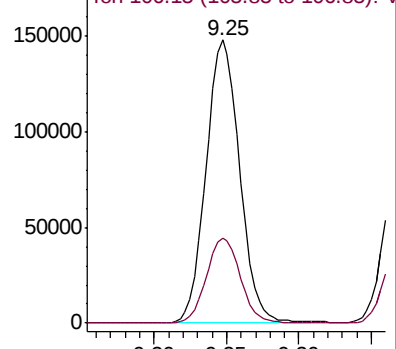
Ion Ratio Lower Upper

91 100

106 30.0 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VU029015.D (-2498) (-)



#53

m,p-xylene

Concen: 4.734 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029131.D

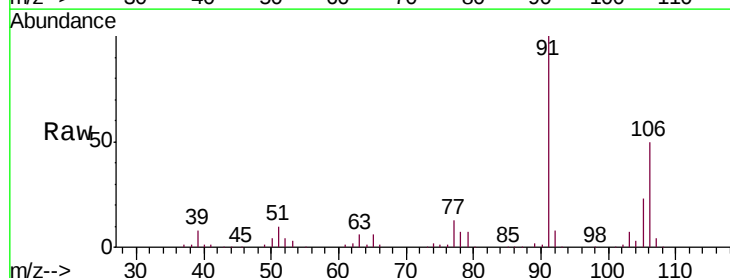
Acq: 11 Jan 2019 09:43

Tgt Ion: 106 Resp: 88967

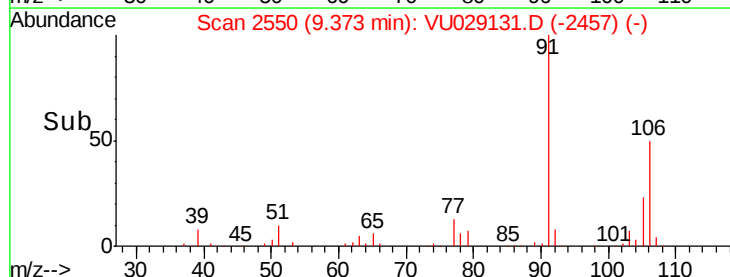
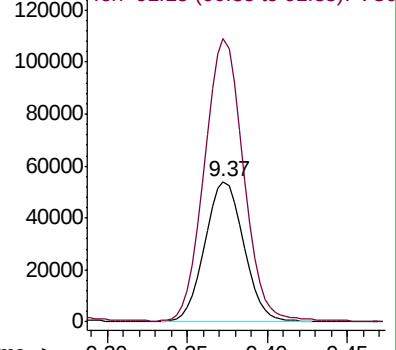
Ion Ratio Lower Upper

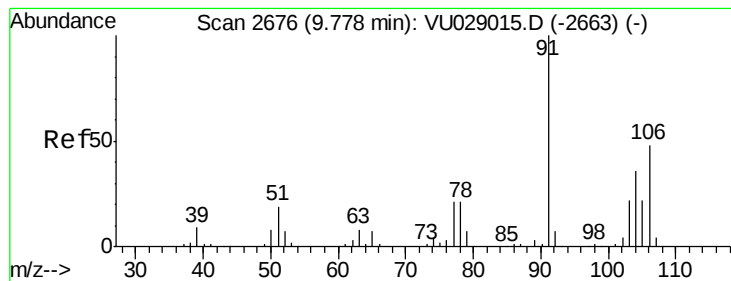
106 100

91 201.2 138.5 257.1



Abundance Ion 106.15 (105.85 to 106.85): VU029015.D (-2535) (-)





#54

o-xylene

Concen: 4.747 ug/L

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

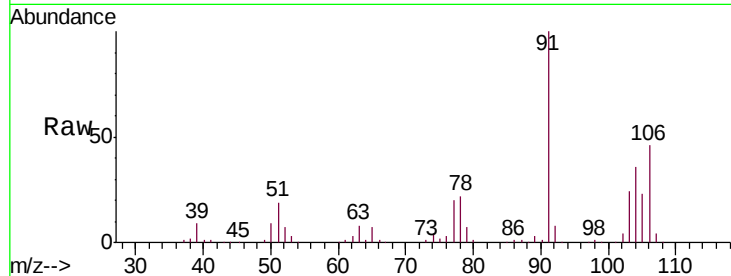
VSTD00553

Tgt Ion:106 Resp: 86588

Ion Ratio Lower Upper

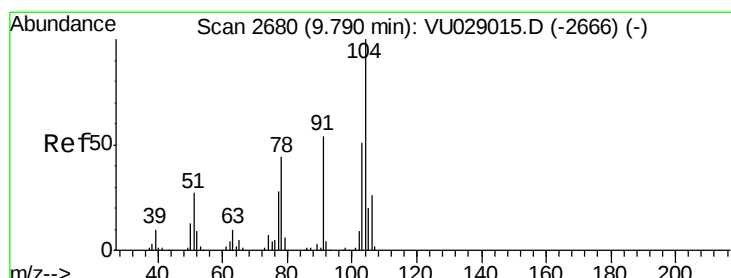
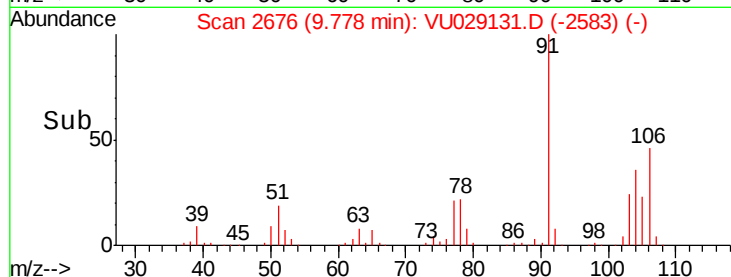
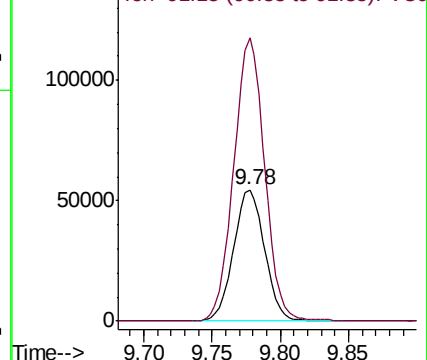
106 100

91 215.5 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.858 ug/L

RT: 9.79 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VU029131.D

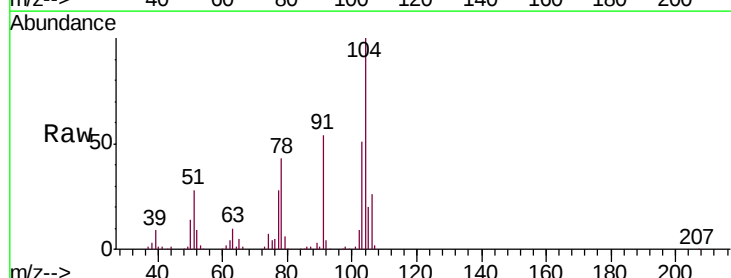
Acq: 11 Jan 2019 09:43

Tgt Ion:104 Resp: 147494

Ion Ratio Lower Upper

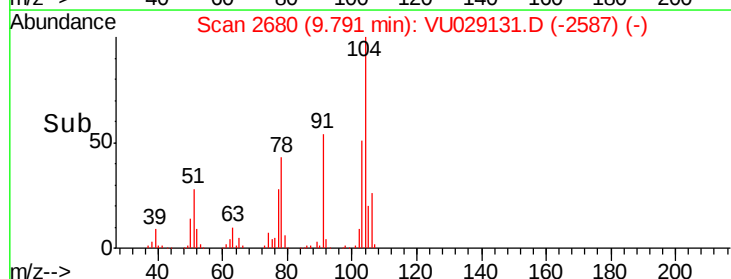
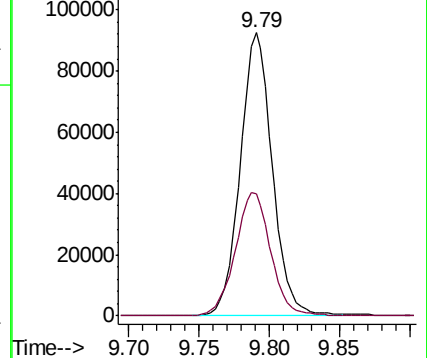
104 100

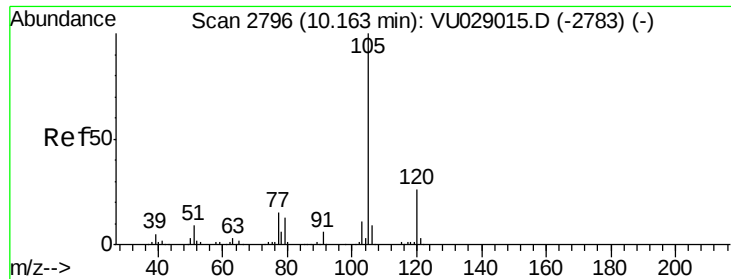
78 43.2 30.9 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.639 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

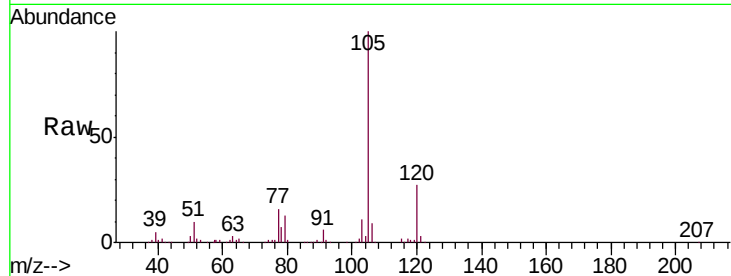
Tgt Ion:105 Resp: 223153

Ion Ratio Lower Upper

105 100

120 26.5 20.9 31.3

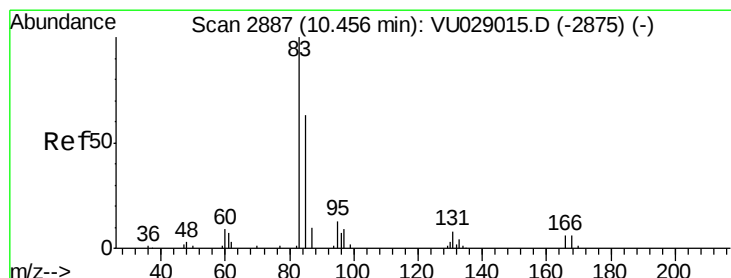
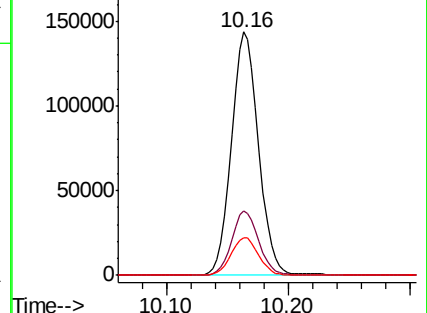
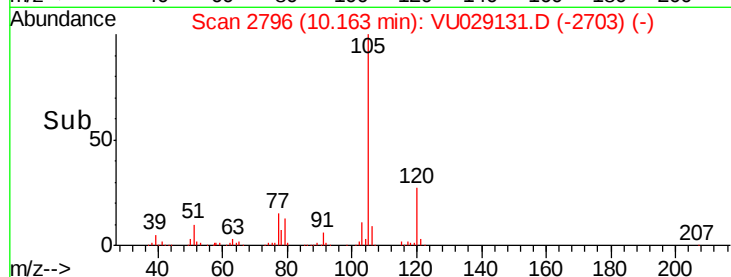
77 15.7 12.0 18.0



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: 5.420 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

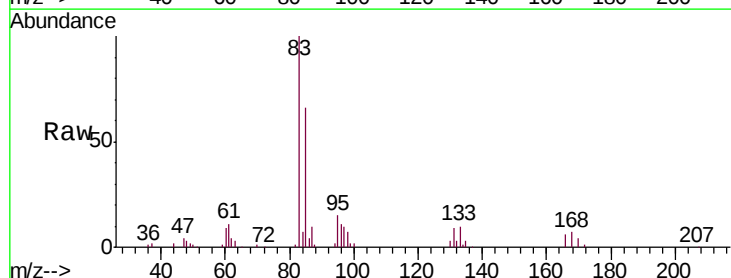
Tgt Ion: 83 Resp: 50017

Ion Ratio Lower Upper

83 100

85 65.9 44.0 81.8

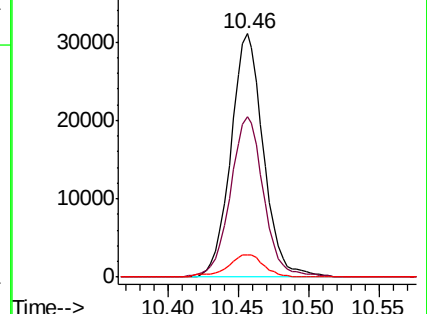
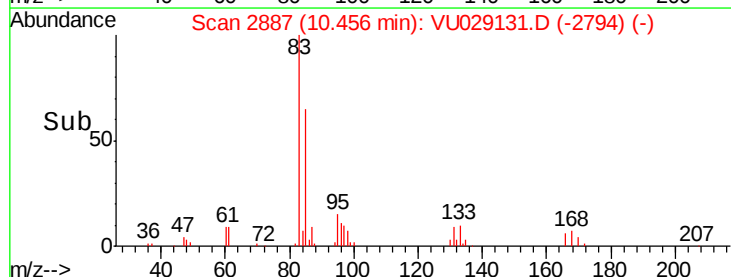
131 9.1 7.8 11.8

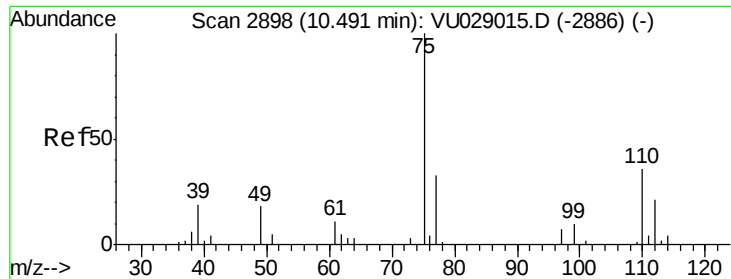


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

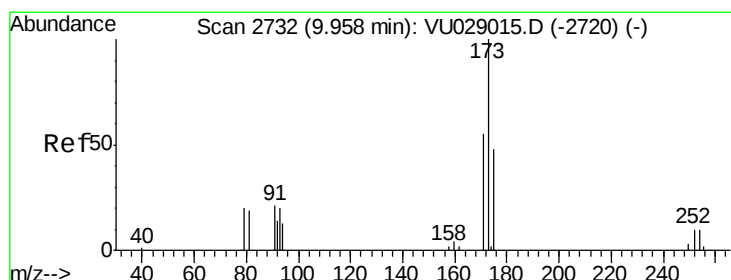
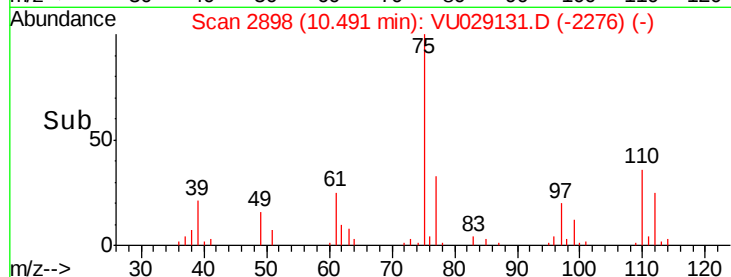
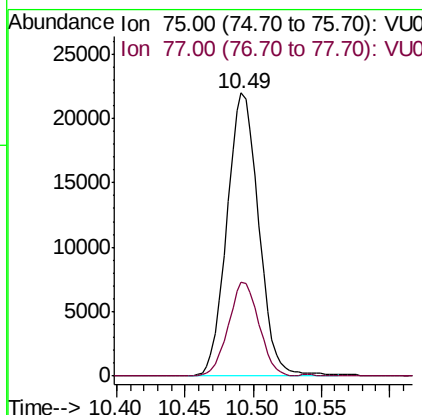
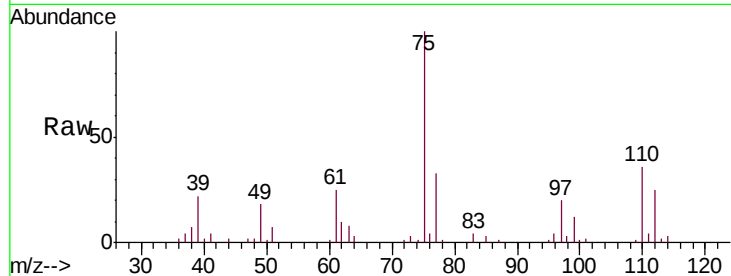




#59
 1,2,3-Trichloropropane
 Concen: 5.513 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

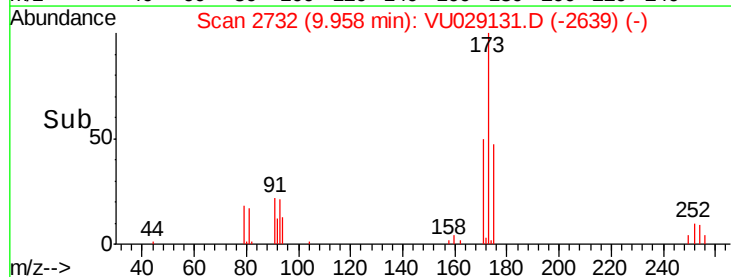
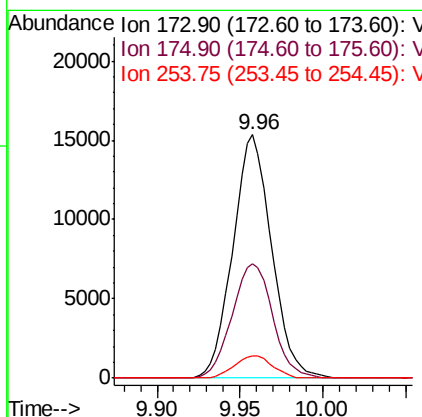
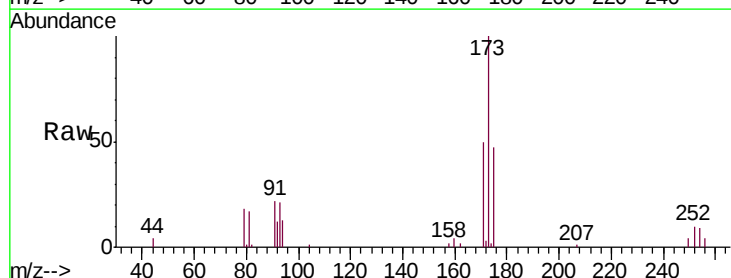
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

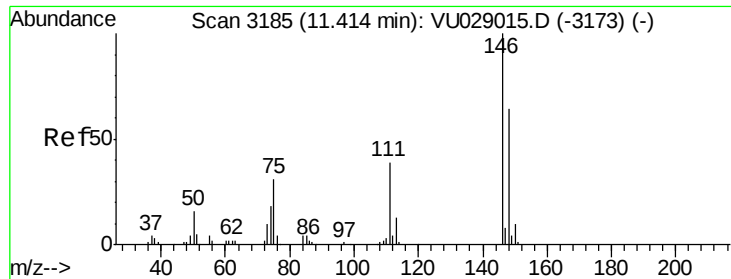
Tgt Ion: 75 Resp: 35605
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.0 39.0



#61
 Bromoform
 Concen: 5.649 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion: 173 Resp: 24890
 Ion Ratio Lower Upper
 173 100
 175 49.3 35.4 53.2
 254 8.8 7.5 11.3

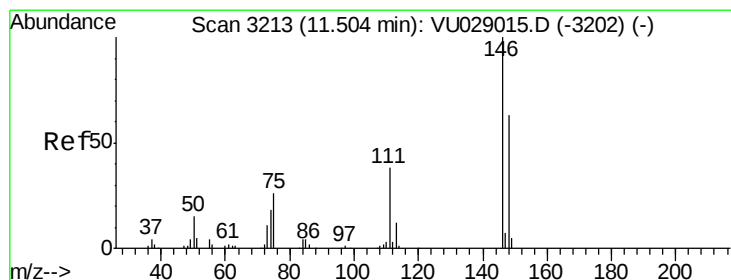
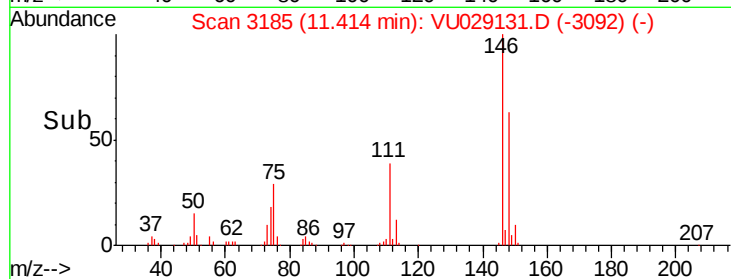
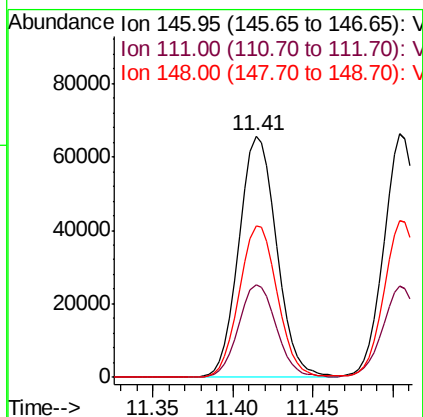
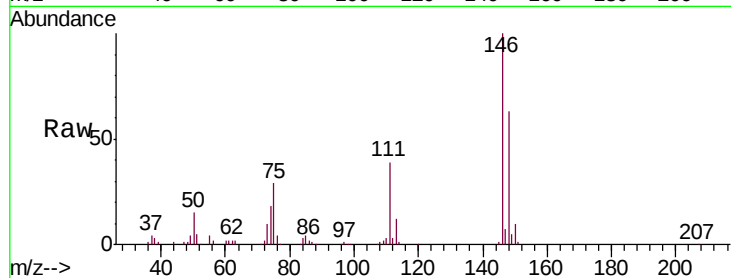




#62
 1,3-Dichlorobenzene
 Concen: 4.837 ug/L
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

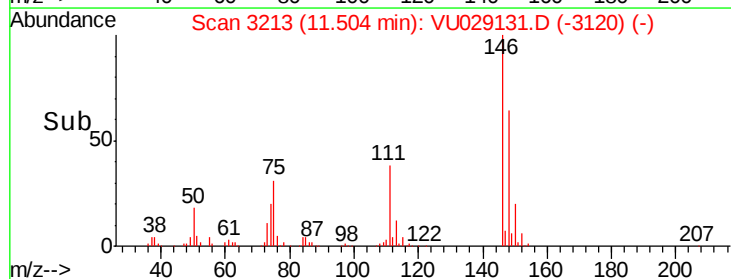
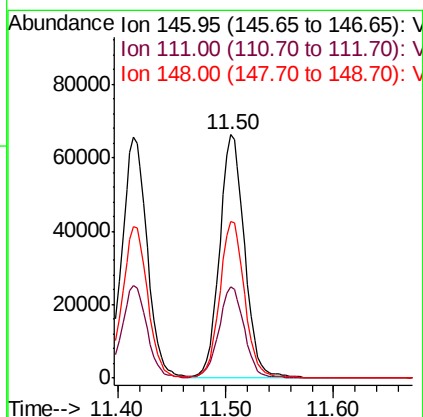
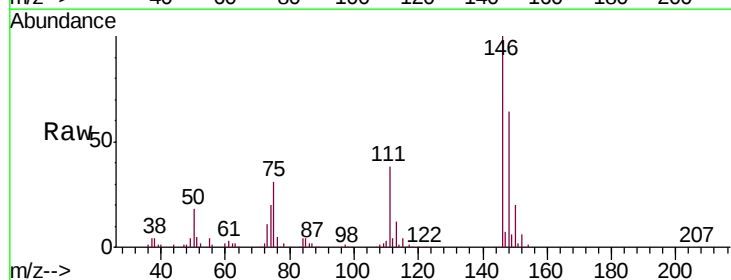
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

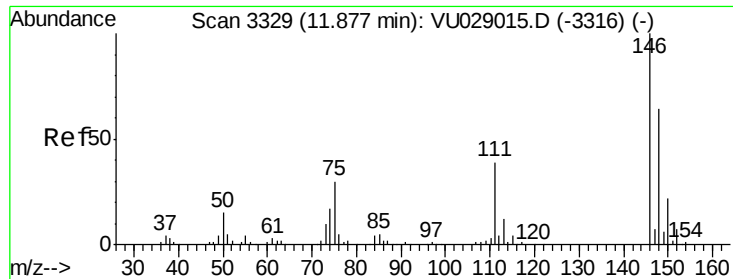
Tgt Ion:146 Resp: 105582
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.7 51.5
 148 62.7 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 4.792 ug/L
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion:146 Resp: 106729
 Ion Ratio Lower Upper
 146 100
 111 37.6 24.9 46.3
 148 64.2 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 4.820 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

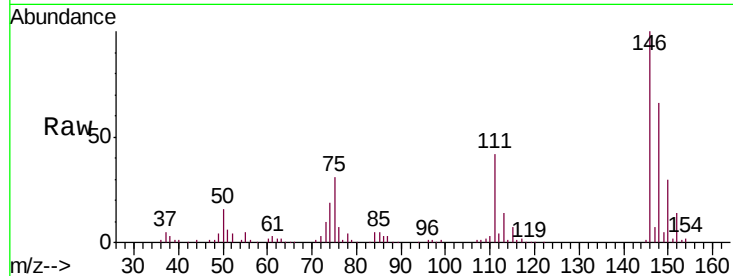
Tgt Ion:146 Resp: 99565

Ion Ratio Lower Upper

146 100

111 42.4 32.2 48.4

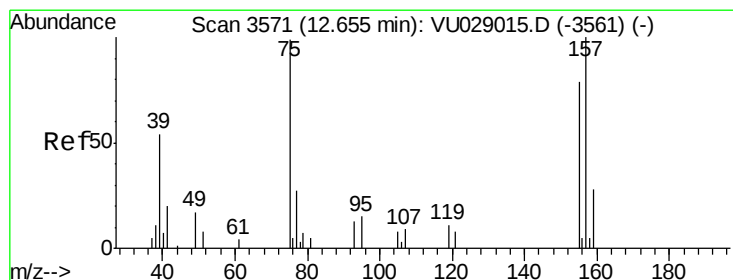
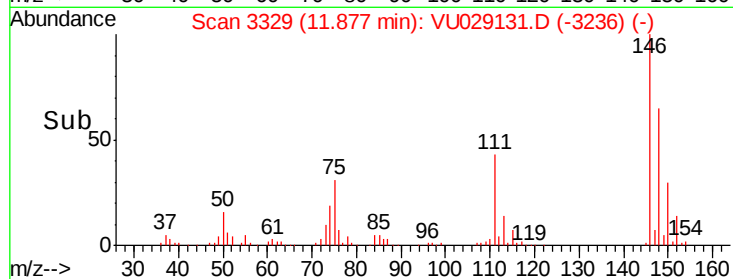
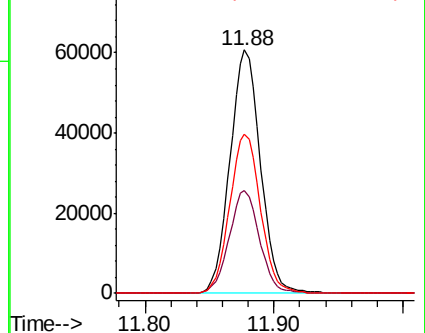
148 65.5 53.2 79.8



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: 5.780 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

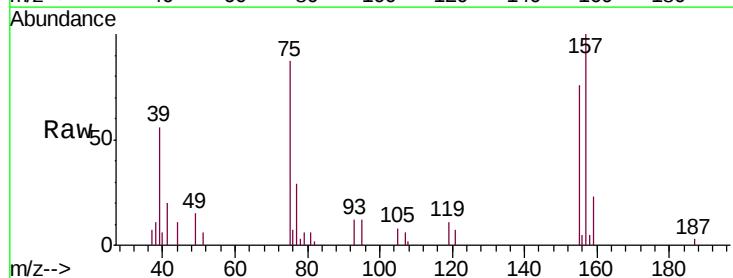
Tgt Ion: 75 Resp: 7049

Ion Ratio Lower Upper

75 100

155 87.4 72.2 108.2

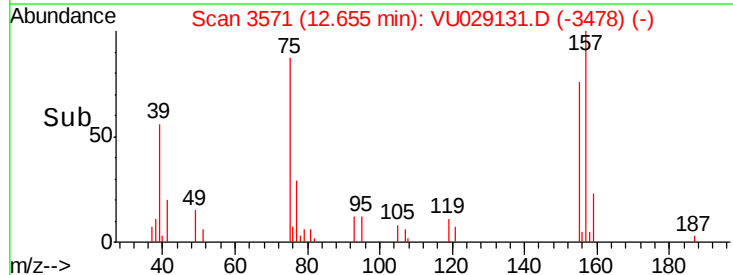
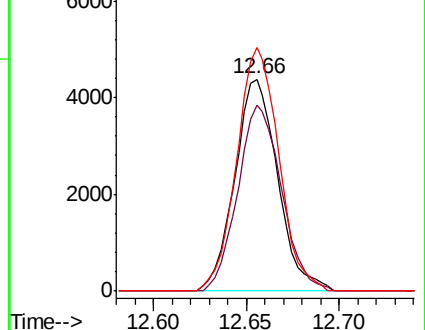
157 114.7 93.0 139.6

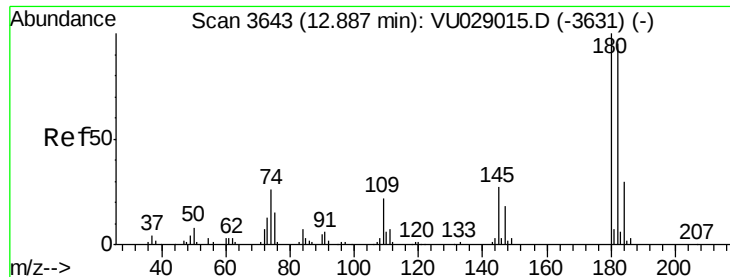


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

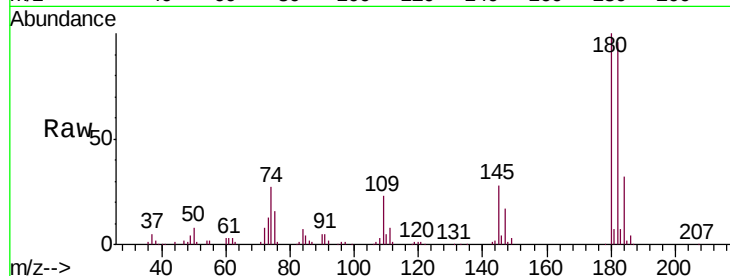




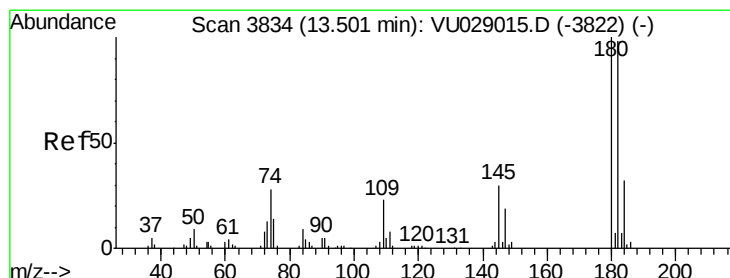
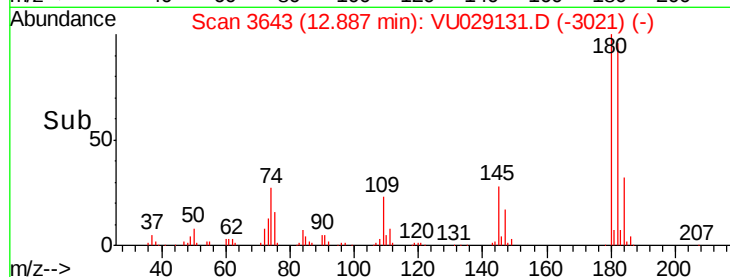
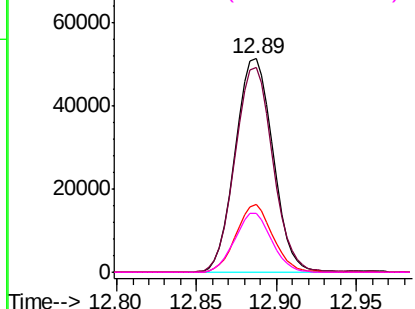
#67
 1,3,5-Trichlorobenzene
 Concen: 4.891 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00553

Tgt Ion:	180	Resp:	82610
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
184	30.8	24.4	36.6
145	26.8	21.7	32.5

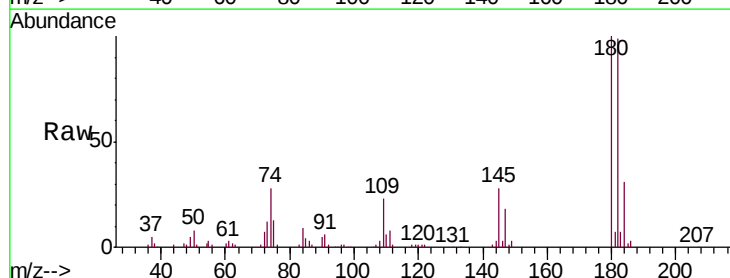


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

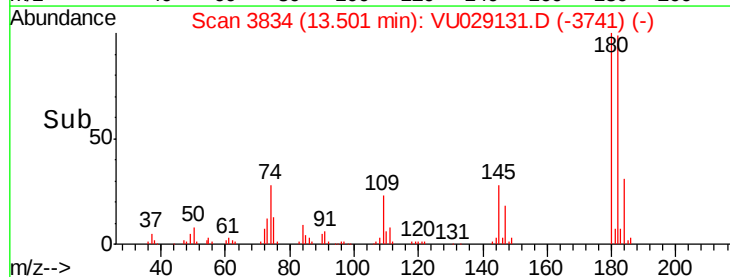
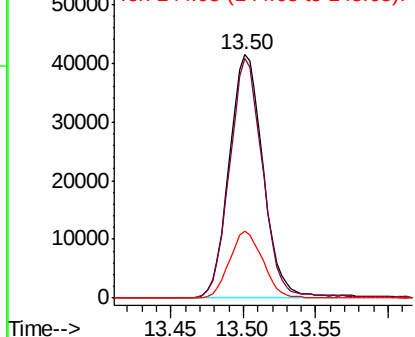


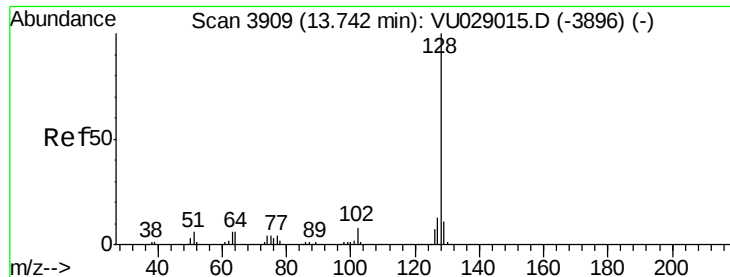
#68
 1,2,4-trichlorobenzene
 Concen: 4.787 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029131.D
 Acq: 11 Jan 2019 09:43

Tgt Ion:	180	Resp:	67378
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
145	27.0	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: 4.821 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD00553

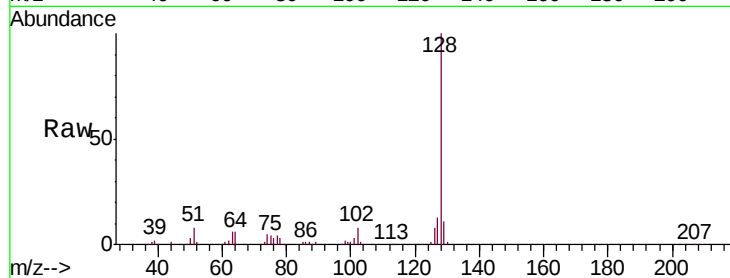
Tgt Ion:128 Resp: 116077

Ion Ratio Lower Upper

128 100

129 10.5 8.3 12.5

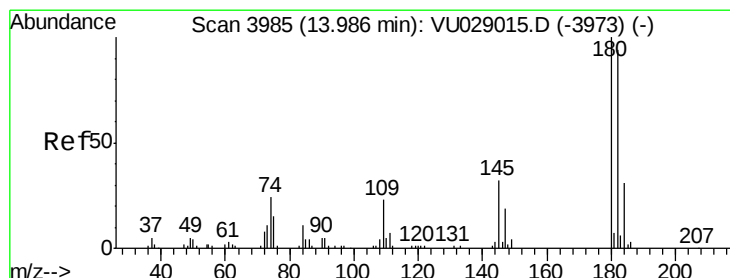
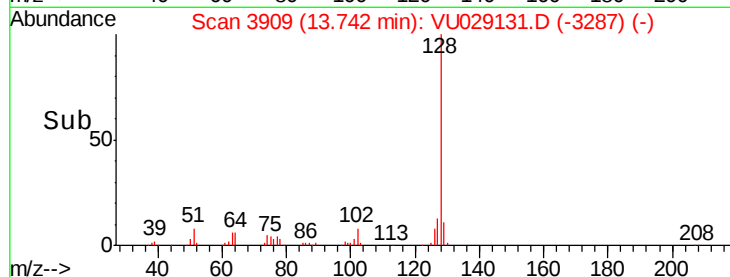
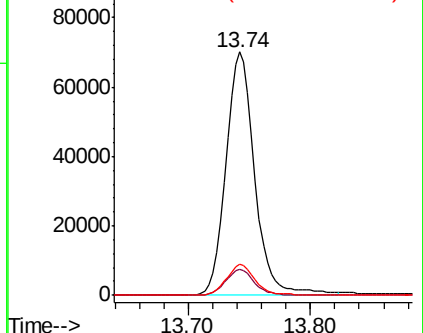
127 12.7 9.8 14.6



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: 4.800 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU029131.D

Acq: 11 Jan 2019 09:43

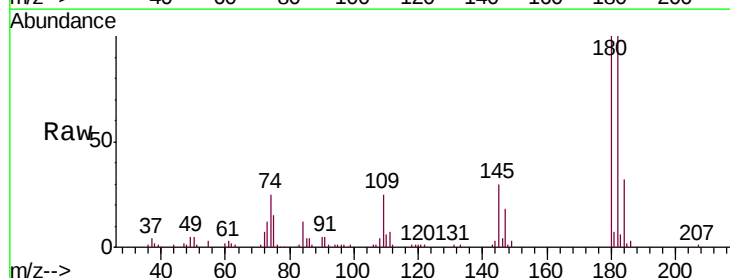
Tgt Ion:180 Resp: 64437

Ion Ratio Lower Upper

180 100

182 100.5 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

