

Data File : VU029979.D
Acq On : 11 Mar 2019 20:19
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Quant Time: Mar 12 07:05:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 06:36:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	557435	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	533348	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	276838	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	185870	50.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.82%
7) Chloroethane-d5	1.68	69	151761	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.98%
11) 1,1-Dichloroethene-d2	2.27	63	335382	50.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.78%
21) 2-Butanone-d5	4.17	46	286154	103.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.58%
24) Chloroform-d	4.65	84	340756	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
26) 1,2-Dichloroethane-d4	5.31	65	194426	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
32) Benzene-d6	5.34	84	719218	52.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.78%
36) 1,2-Dichloropropane-d6	6.33	67	218420	51.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.96%
41) Toluene-d8	7.56	98	680395	52.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.84%
43) trans-1,3-Dichloropropene-	7.85	79	108788	53.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.90%
47) 2-Hexanone-d5	8.31	63	254549	108.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	335749	52.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	279274	52.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	170162	48.311 ug/L	99
3) Chloromethane	1.33	50	190414	49.002 ug/L	99
5) Vinyl chloride	1.40	62	206959	48.586 ug/L	99
6) Bromomethane	1.62	94	137615	52.152 ug/L	97
8) Chloroethane	1.70	64	128644	46.078 ug/L	97
9) Trichlorofluoromethane	1.88	101	278251	48.707 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	178576	48.762 ug/L	99
12) 1,1-Dichloroethene	2.28	96	171431	49.066 ug/L	95
13) Acetone	2.32	43	242186	74.980 ug/L	99
14) Carbon disulfide	2.48	76	540998	49.958 ug/L	99
15) Methyl Acetate	2.61	43	210359	50.409 ug/L	99
16) Methylene chloride	2.70	84	198029	48.000 ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	189787	49.880 ug/L	100
18) Methyl tert-butyl Ether	3.00	73	559911	49.617 ug/L	100
19) 1,1-Dichloroethane	3.44	63	320544	49.067 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	212356	49.026 ug/L	99
22) 2-Butanone	4.26	43	329433	89.588 ug/L	99

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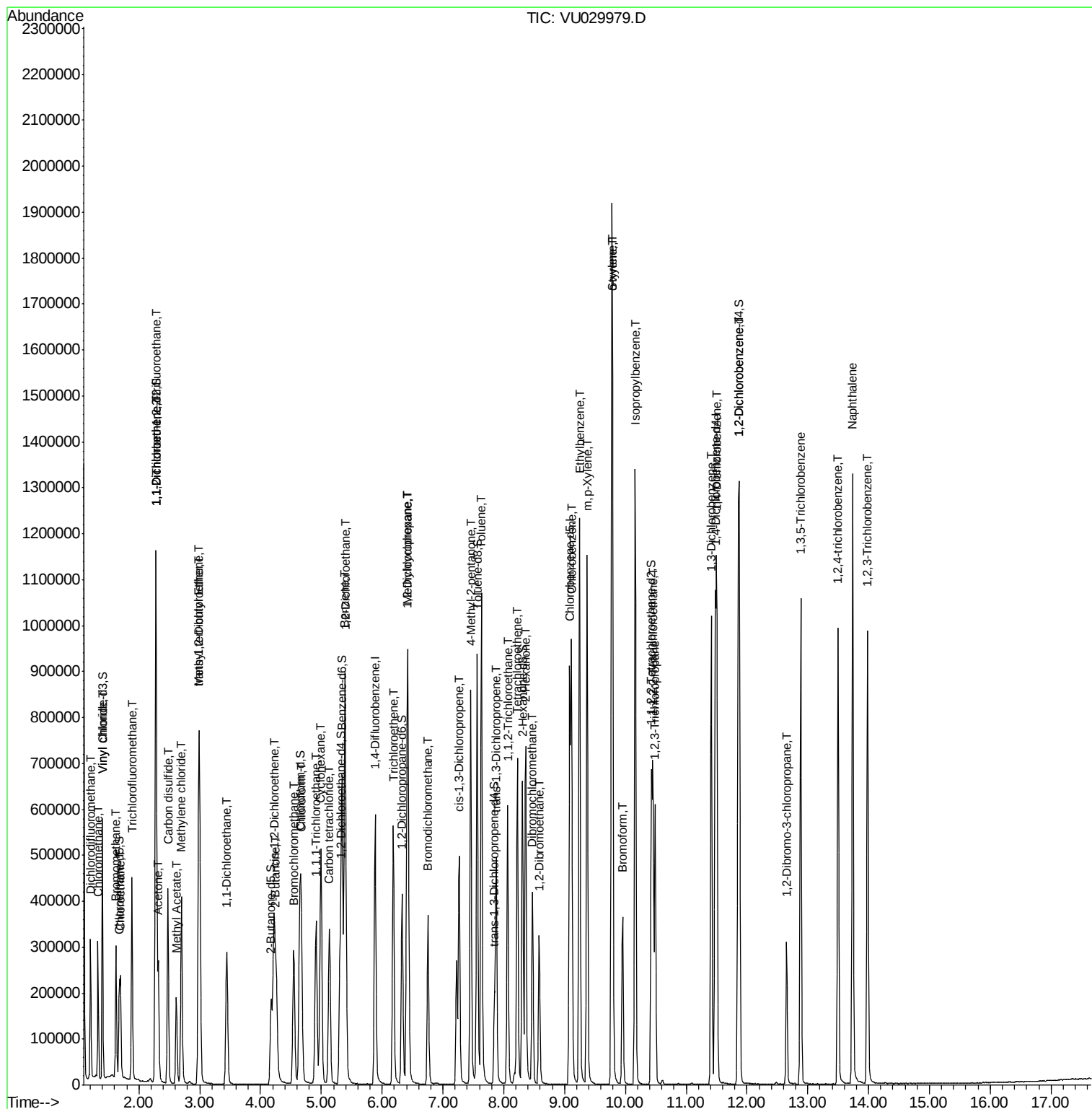
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	112014	49.922	ug/L	98
25) Chloroform	4.67	83	334809	48.830	ug/L	98
27) 1,2-Dichloroethane	5.40	62	239021	48.487	ug/L	99
29) Cyclohexane	4.99	56	294526	50.068	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	286695	49.239	ug/L	99
31) Carbon tetrachloride	5.13	117	260170	50.603	ug/L	98
33) Benzene	5.39	78	765482	50.156	ug/L	100
34) Trichloroethene	6.18	95	199595	49.899	ug/L	99
35) Methylcyclohexane	6.41	83	324378	50.009	ug/L	99
37) 1,2-Dichloropropane	6.43	63	200363	49.910	ug/L	100
38) Bromodichloromethane	6.75	83	253262	50.733	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	319943	51.213	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	553342	102.083	ug/L	100
42) Toluene	7.63	91	843389	50.826	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	289806	50.806	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	200983	50.061	ug/L	99
46) Tetrachloroethene	8.22	164	175184	50.045	ug/L	99
48) 2-Hexanone	8.36	43	448982	97.092	ug/L	99
49) Dibromochloromethane	8.47	129	223941	49.925	ug/L	99
50) 1,2-Dibromoethane	8.58	107	222544	50.289	ug/L	98
51) Chlorobenzene	9.12	112	556923	49.783	ug/L	99
52) Ethylbenzene	9.25	91	920655	50.399	ug/L	99
53) m,p-Xylene	9.37	106	361405	51.136	ug/L	100
54) o-xylene	9.77	106	354332	51.042	ug/L	99
55) Styrene	9.79	104	606653	51.323	ug/L	98
56) Isopropylbenzene	10.16	105	920928	50.673	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	342483	49.702	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	260951	49.912	ug/L	100
61) Bromoform	9.95	173	177212	51.427	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	449264	50.251	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	455596	50.116	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	457558	50.845	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	75849	51.867	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	356533	51.379	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	332439	52.373	ug/L	99
69) Naphthalene	13.74	128	1110704	53.857	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	342727	51.975	ug/L	99

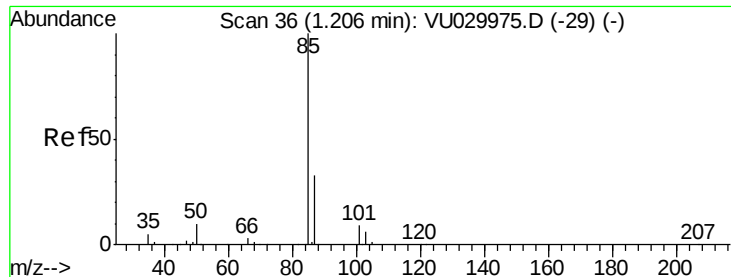
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.311 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

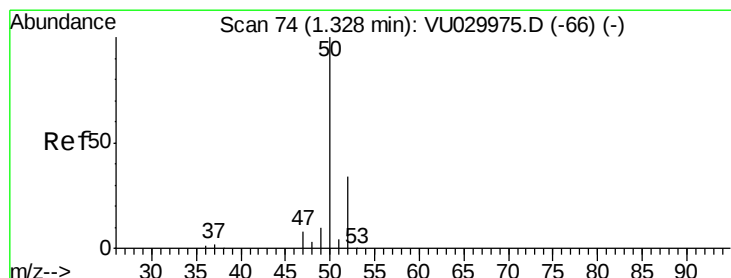
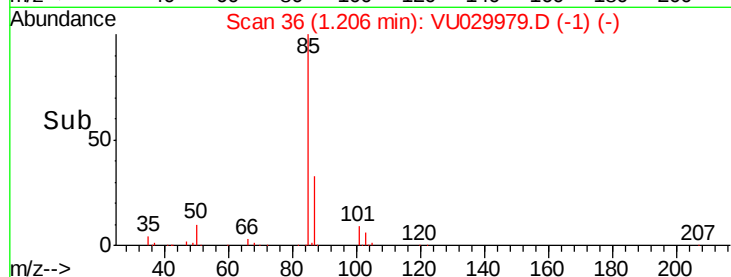
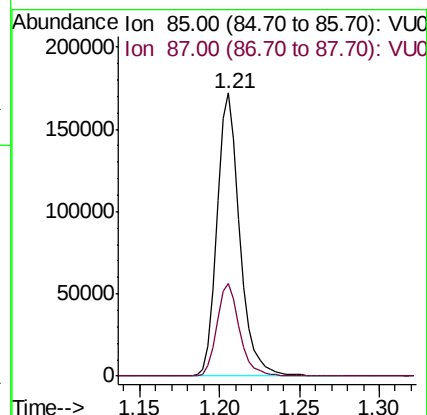
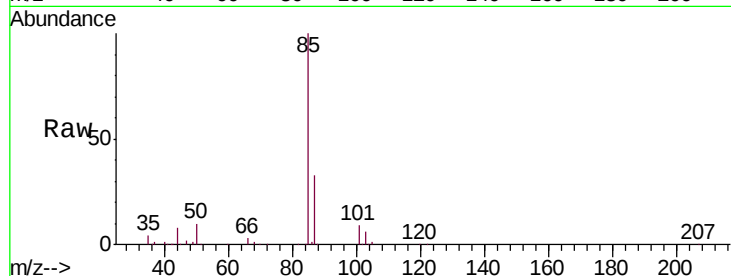
VSTD05060

Tgt Ion: 85 Resp: 170162

Ion Ratio Lower Upper

85 100

87 32.5 26.4 39.6



#3

Chloromethane

Concen: 49.002 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029979.D

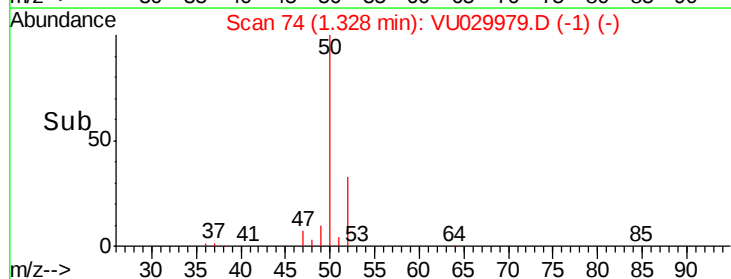
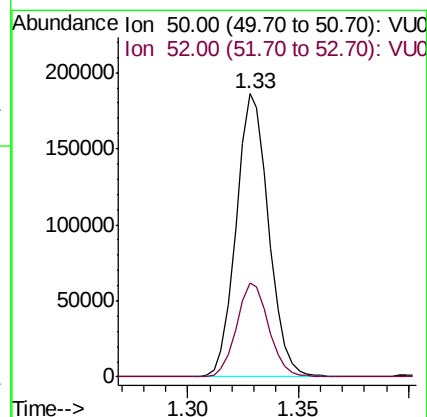
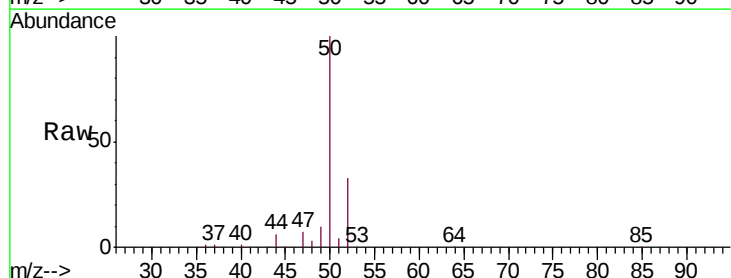
Acq: 11 Mar 2019 20:19

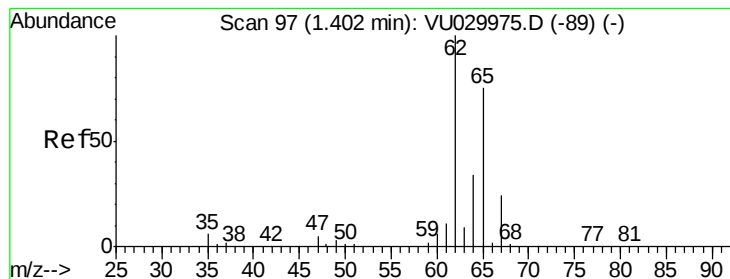
Tgt Ion: 50 Resp: 190414

Ion Ratio Lower Upper

50 100

52 33.2 23.4 43.6





#5

Vinyl chloride

Concen: 48.586 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

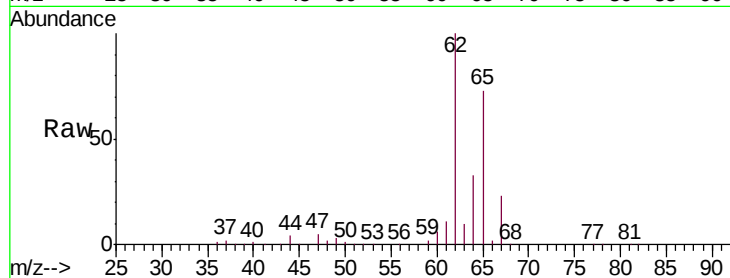
VSTD05060

Tgt Ion: 62 Resp: 206959

Ion Ratio Lower Upper

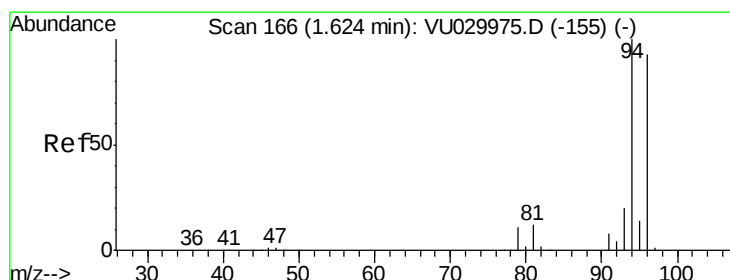
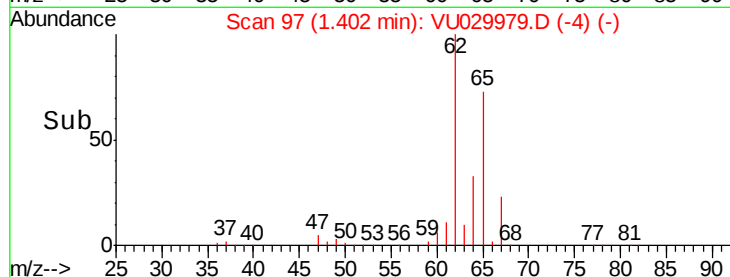
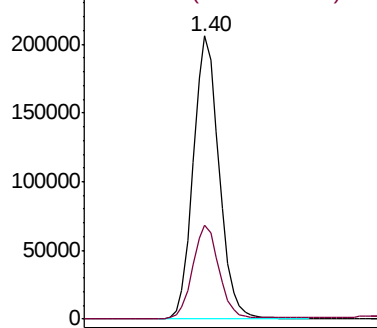
62 100

64 33.4 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 52.152 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU029979.D

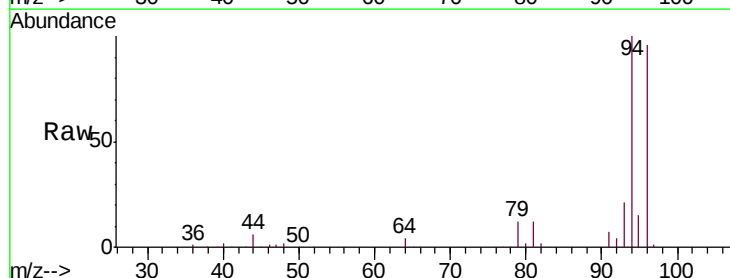
Acq: 11 Mar 2019 20:19

Tgt Ion: 94 Resp: 137615

Ion Ratio Lower Upper

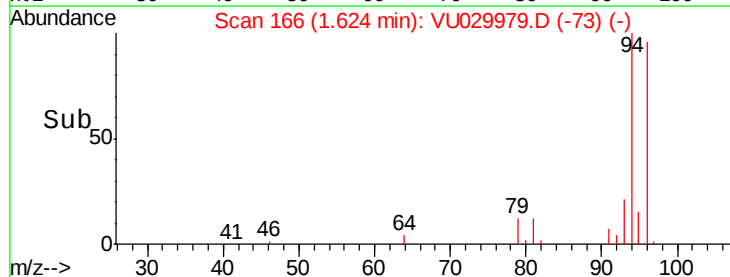
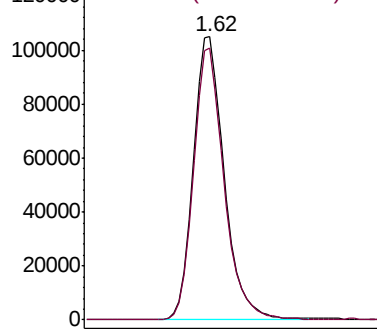
94 100

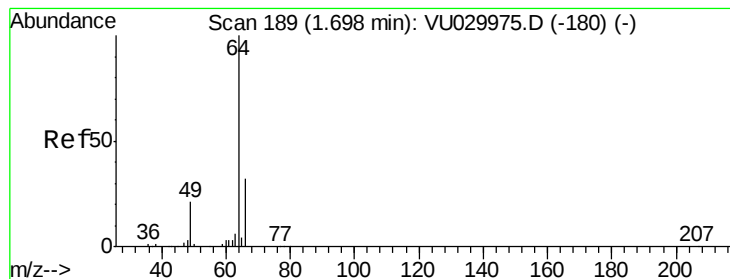
96 95.9 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 46.078 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

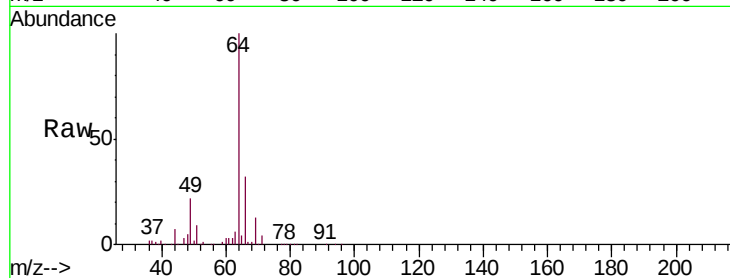
VSTD05060

Tgt Ion: 64 Resp: 128644

Ion Ratio Lower Upper

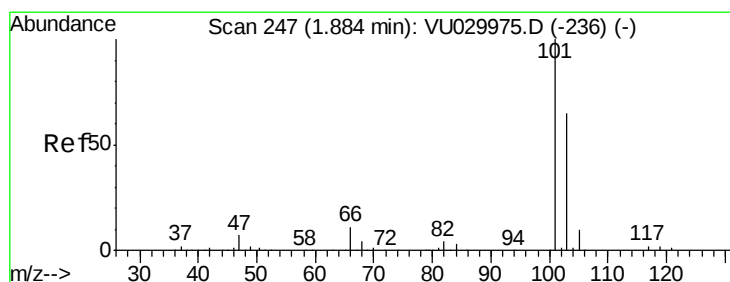
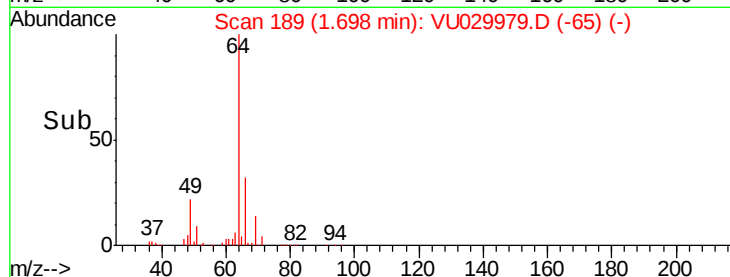
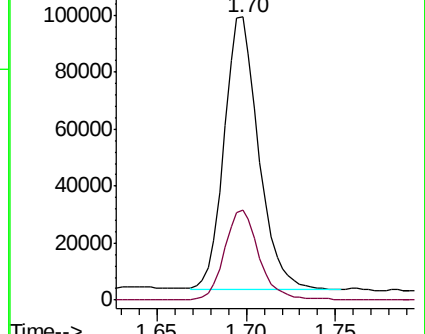
64 100

66 32.1 21.3 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU029975.D

Ion 66.00 (65.70 to 66.70): VU029975.D



#9

Trichlorofluoromethane

Concen: 48.707 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029979.D

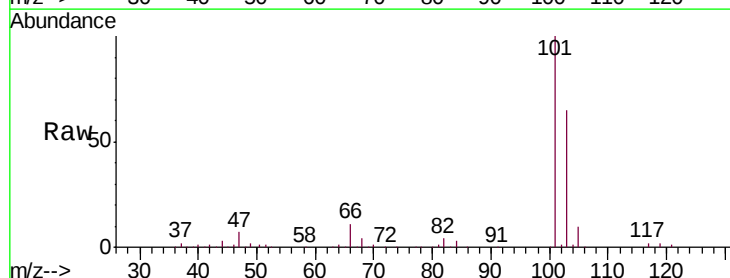
Acq: 11 Mar 2019 20:19

Tgt Ion: 101 Resp: 278251

Ion Ratio Lower Upper

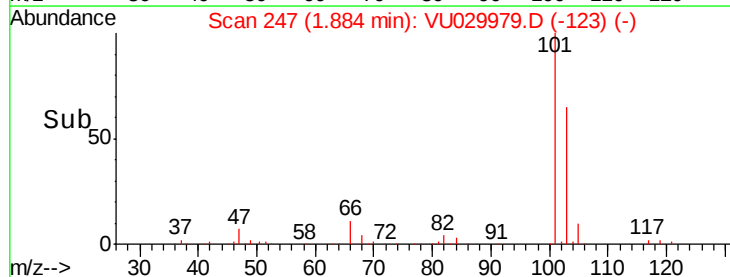
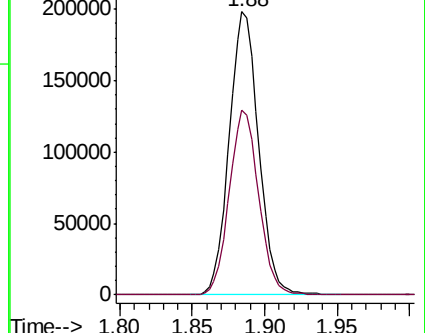
101 100

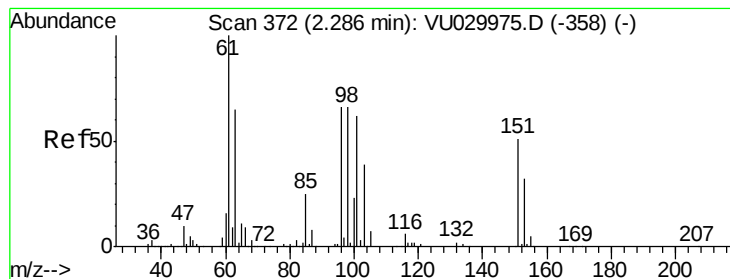
103 65.3 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU029975.D

Ion 103.00 (102.70 to 103.70): VU029975.D





#10

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

Concen: 48.762 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029979.D

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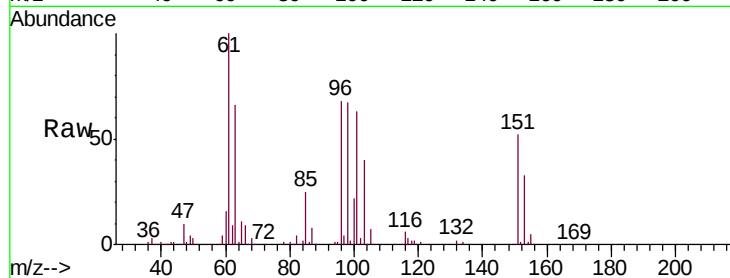
Tgt Ion: 101 Resp: 178576

Ion Ratio Lower Upper

101 100

85 40.4 33.0 49.4

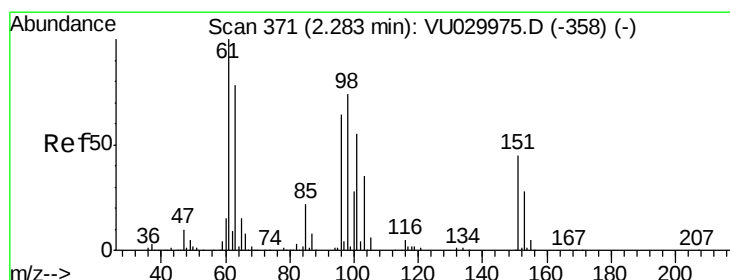
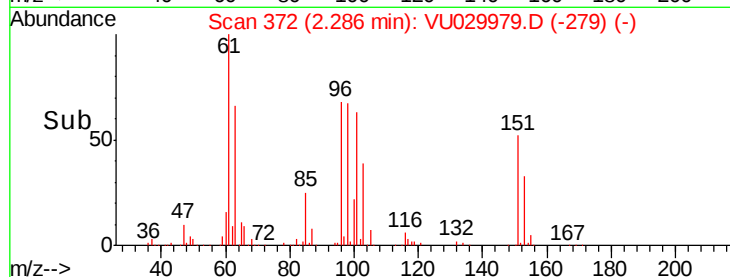
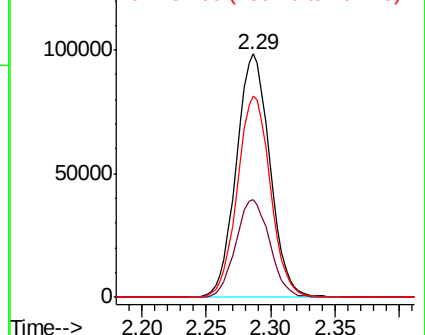
151 81.2 66.1 99.1



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: 49.066 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

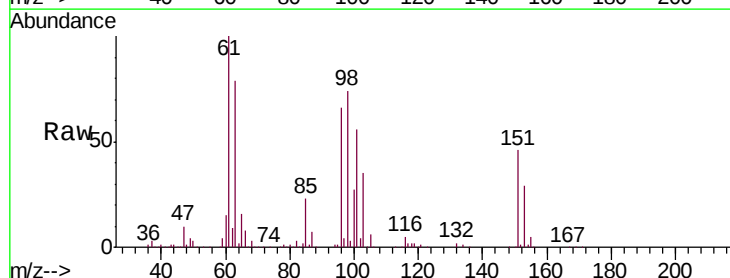
Tgt Ion: 96 Resp: 171431

Ion Ratio Lower Upper

96 100

61 150.7 110.4 205.0

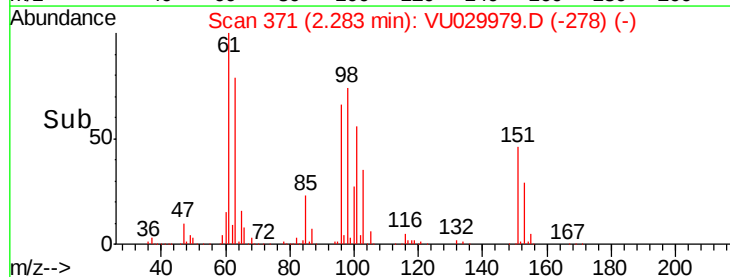
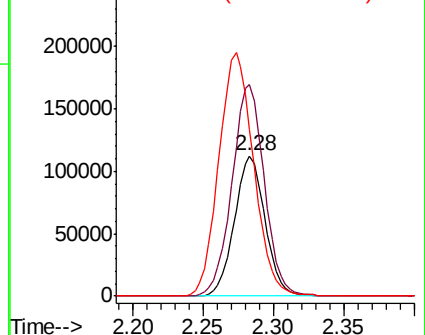
63 118.4 86.5 160.7

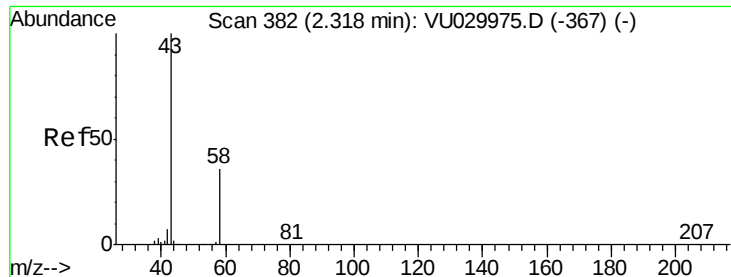


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 74.980 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029979.D

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MSVOA_U

ClientSampleId :

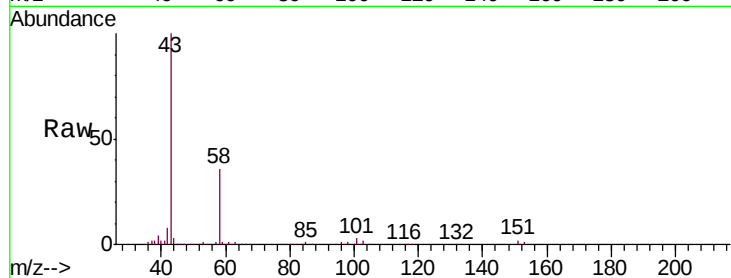
VSTD05060

Tgt Ion: 43 Resp: 242186

Ion Ratio Lower Upper

43 100

58 35.9 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU029979.D (-367) (-)

Ion 58.00 (57.70 to 58.70): VU029979.D (-367) (-)

2.32

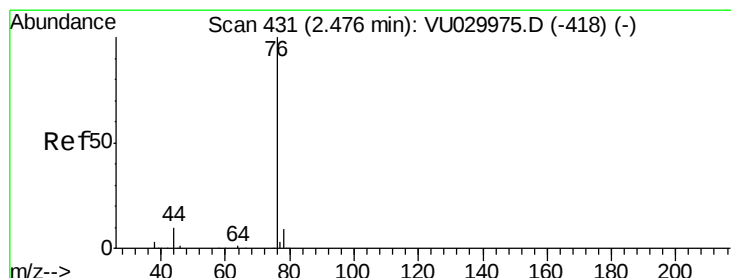
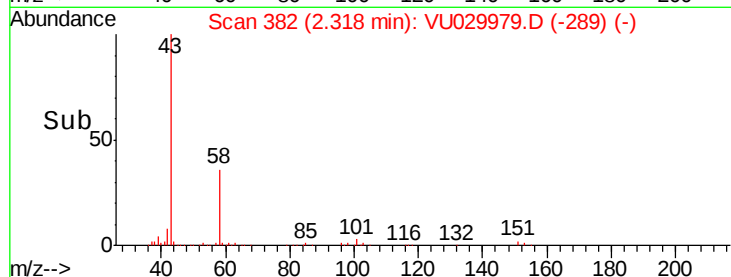
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 49.958 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029979.D

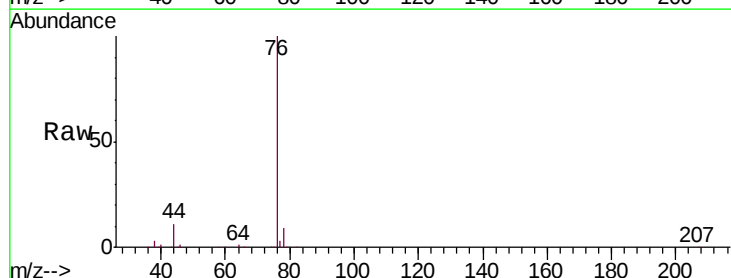
Acq: 11 Mar 2019 20:19

Tgt Ion: 76 Resp: 540998

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU029979.D (-418) (-)

Ion 78.00 (77.70 to 78.70): VU029979.D (-418) (-)

2.48

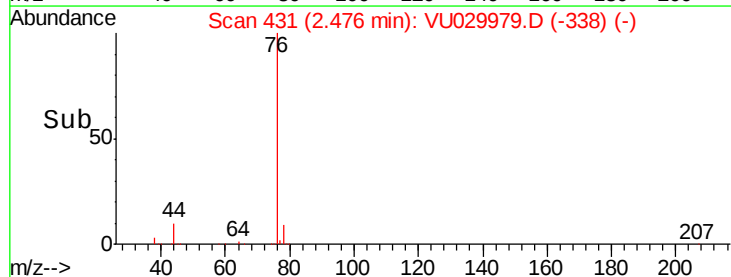
300000

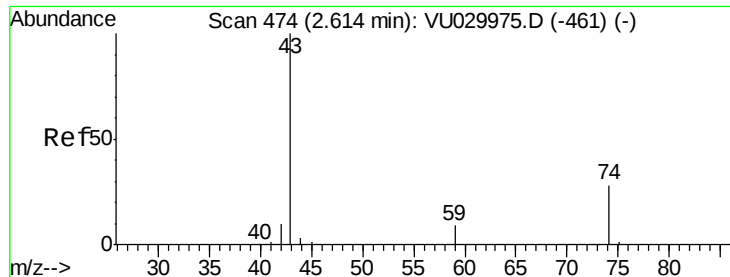
200000

100000

0

Time--> 2.40 2.45 2.50 2.55 2.60

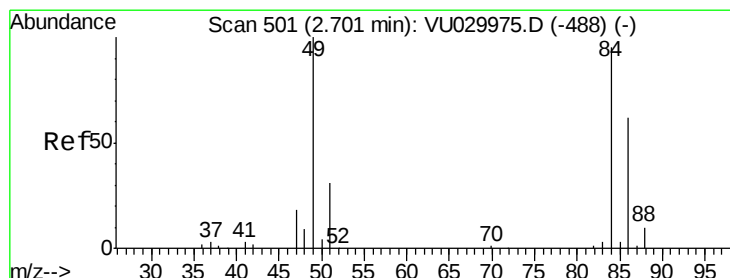
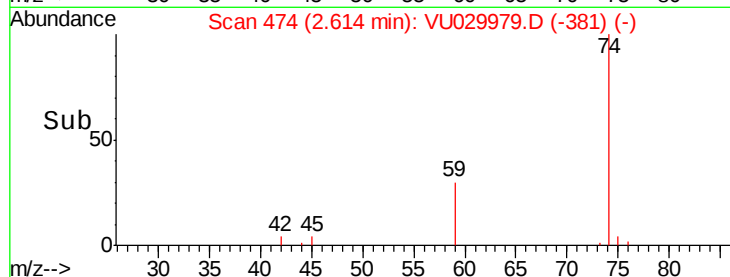
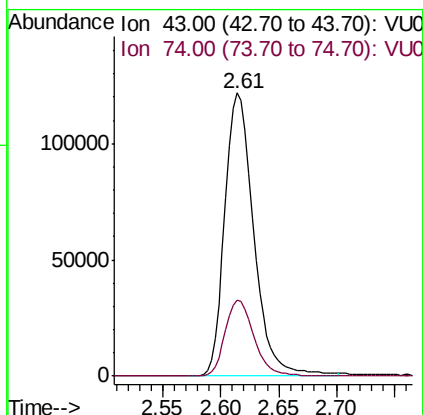
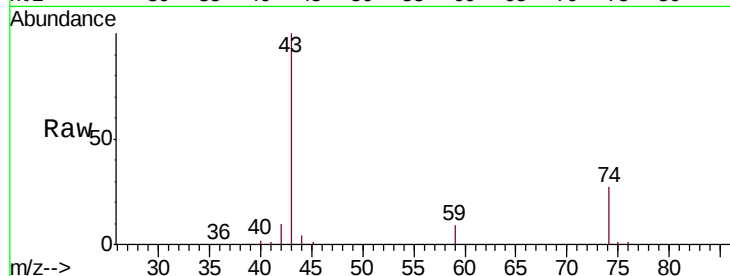




#15
Methyl Acetate
Concen: 50.409 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

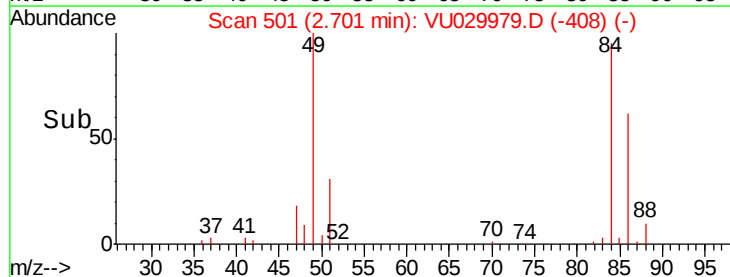
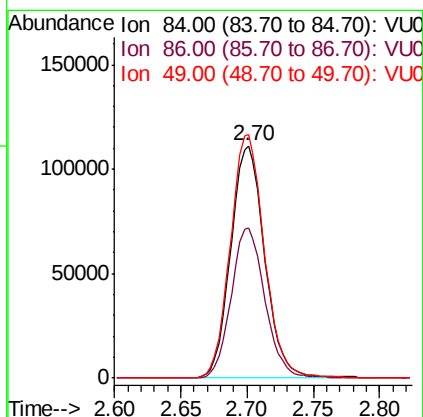
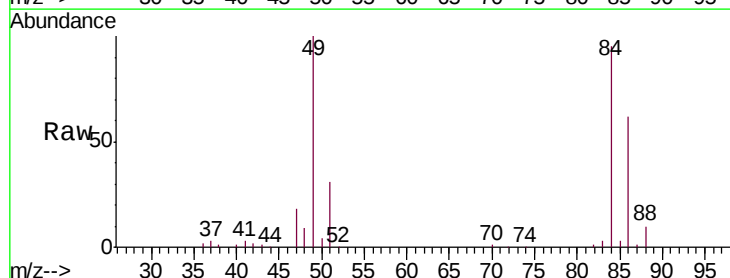
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

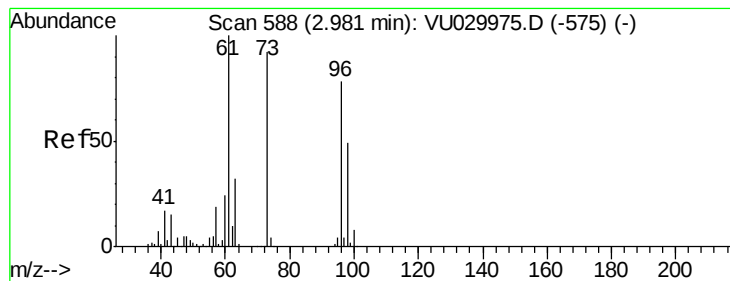
Tgt Ion: 43 Resp: 210359
Ion Ratio Lower Upper
43 100
74 26.6 21.9 32.9



#16
Methylene chloride
Concen: 48.000 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

Tgt Ion: 84 Resp: 198029
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 104.8 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 49.880 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

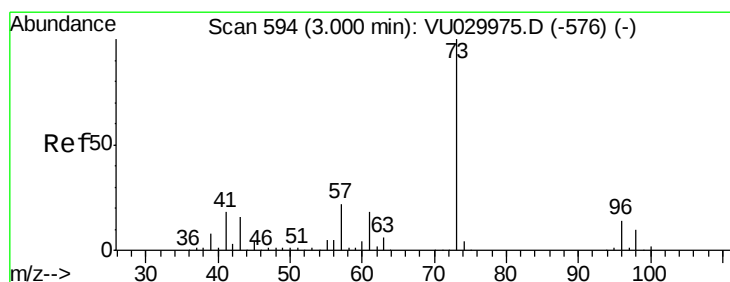
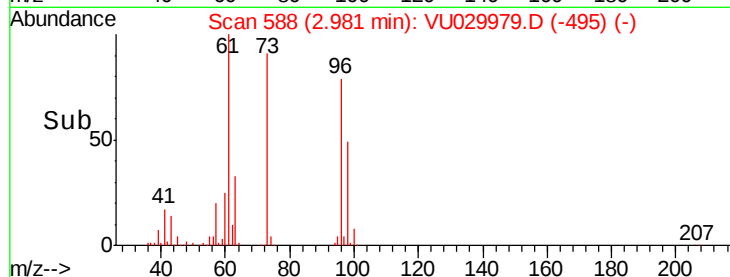
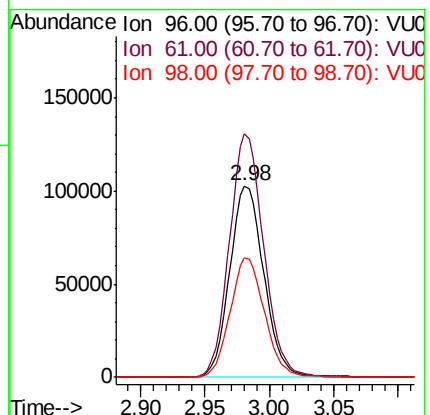
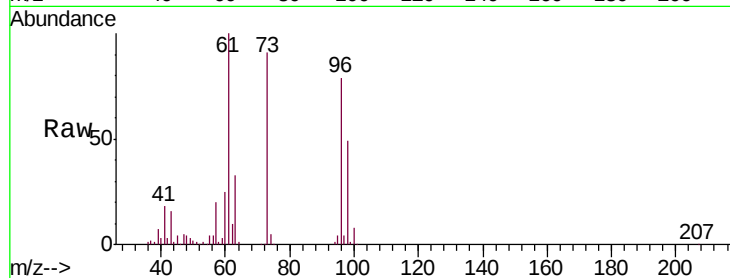
Tgt Ion: 96 Resp: 189787

Ion Ratio Lower Upper

96 100

61 127.1 89.4 166.0

98 62.2 43.3 80.5



#18

Methyl tert-butyl Ether

Concen: 49.617 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

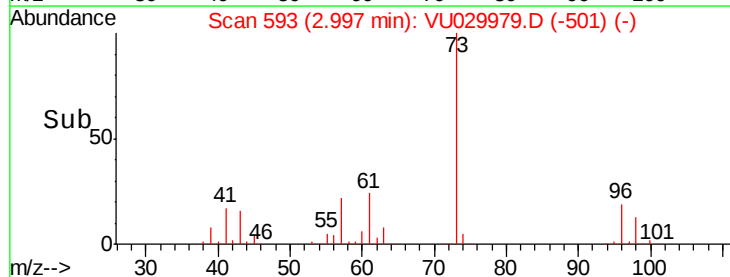
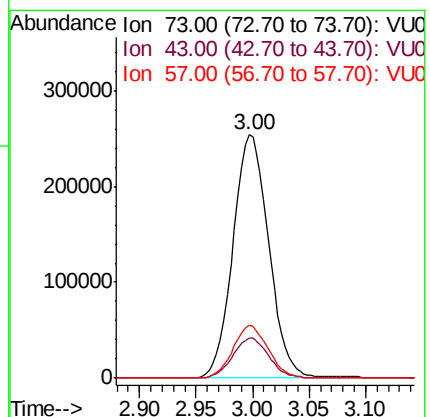
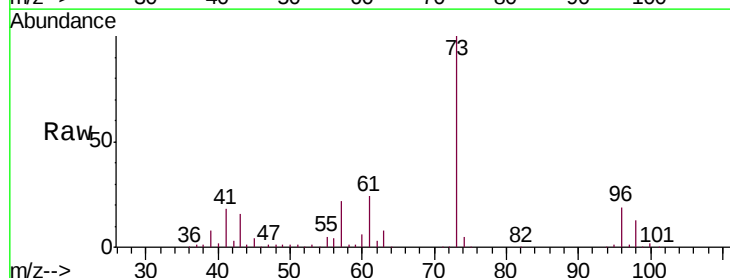
Tgt Ion: 73 Resp: 559911

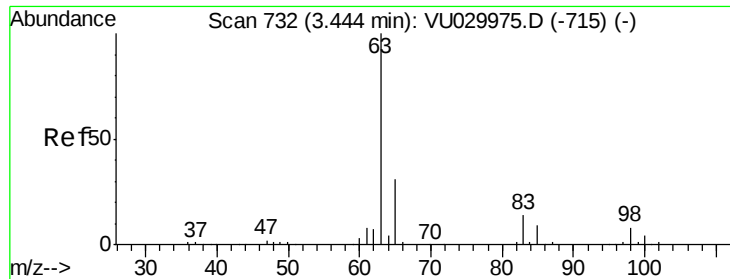
Ion Ratio Lower Upper

73 100

43 16.4 13.1 19.7

57 21.4 17.1 25.7

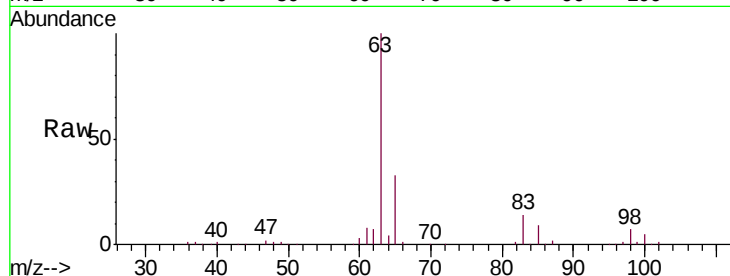




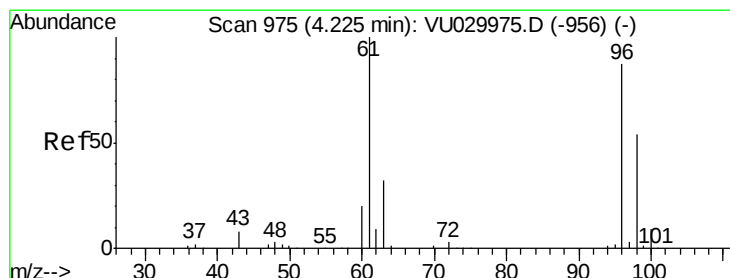
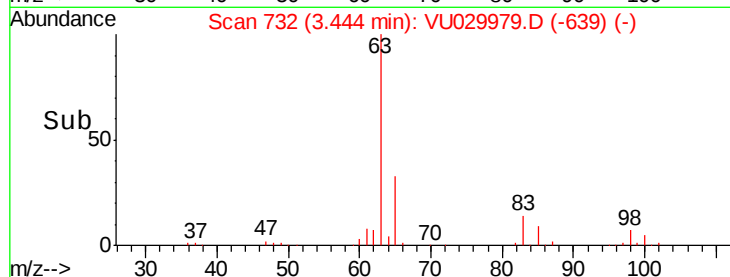
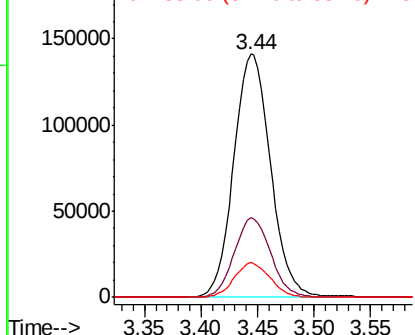
#19
 1,1-Dichloroethane
 Concen: 49.067 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion: 63 Resp: 320544
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.0 41.0
 83 14.2 9.7 18.1

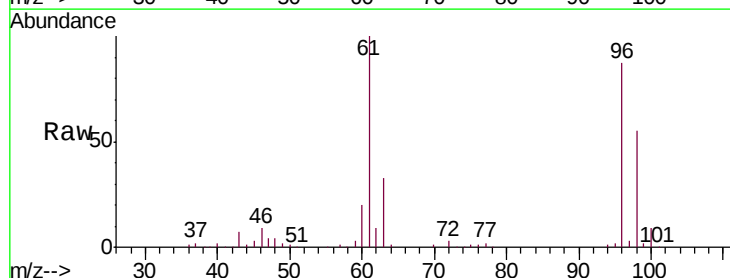


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

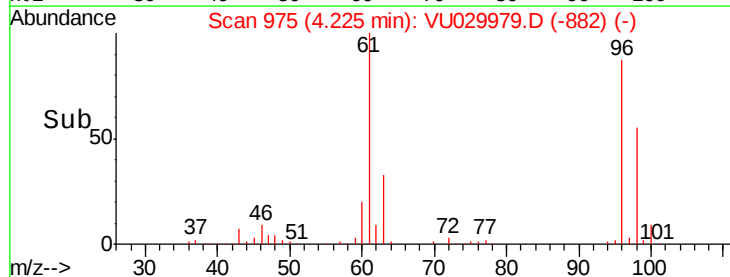
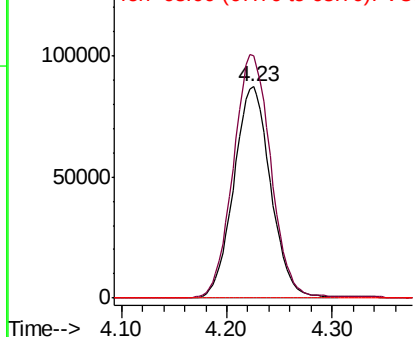


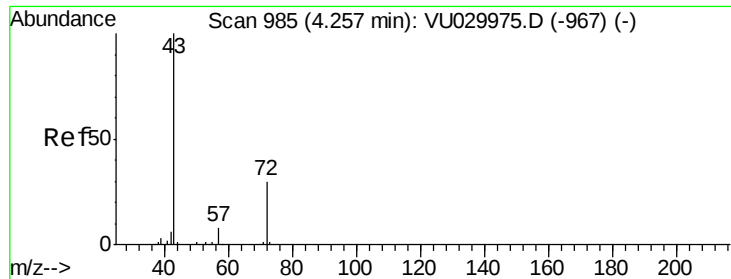
#20
 cis-1,2-Dichloroethene
 Concen: 49.026 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Tgt Ion: 96 Resp: 212356
 Ion Ratio Lower Upper
 96 100
 61 114.8 80.8 150.2
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 89.588 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

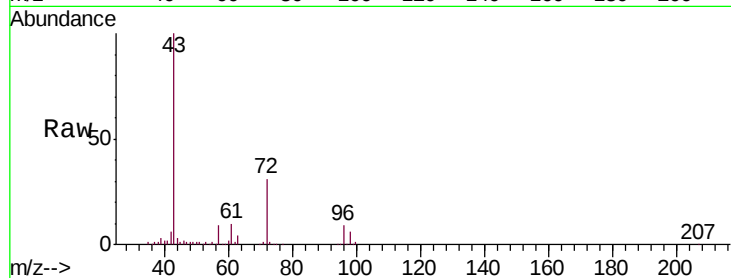
VSTD05060

Tgt Ion: 43 Resp: 329433

Ion Ratio Lower Upper

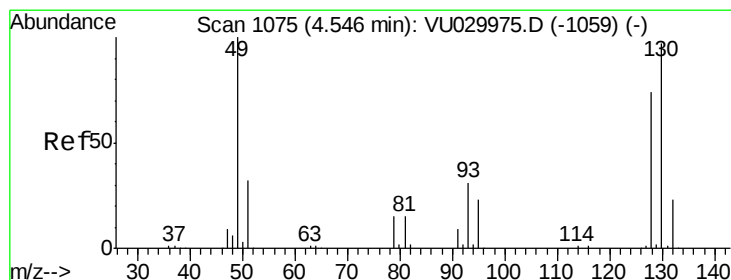
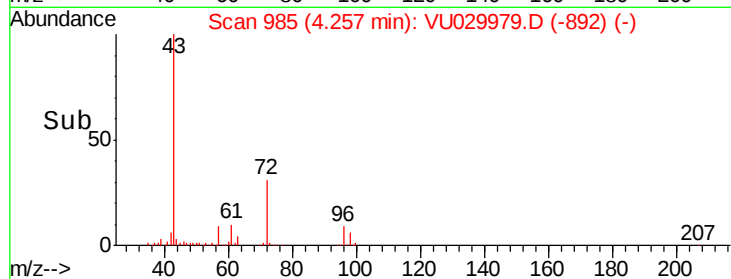
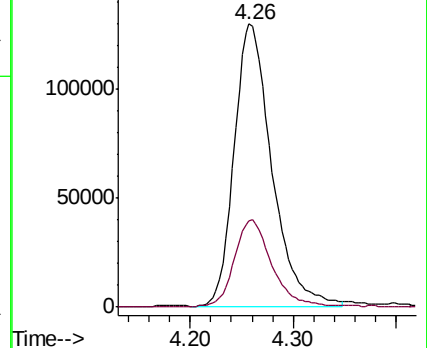
43 100

72 30.9 15.3 45.9



Abundance Ion 43.00 (42.70 to 43.70): VU029975.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU029975.D (-967) (-)



#23

Bromochloromethane

Concen: 49.922 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Tgt Ion: 128 Resp: 112014

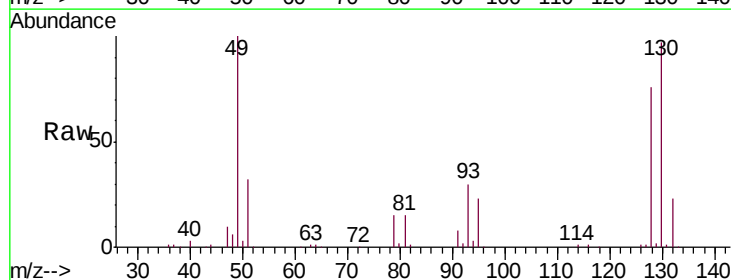
Ion Ratio Lower Upper

128 100

49 131.7 94.5 175.5

130 128.2 91.4 169.8

51 42.1 34.2 51.2

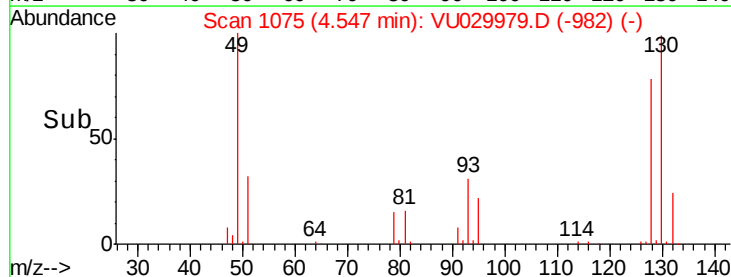
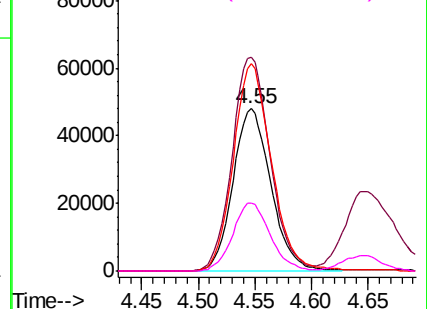


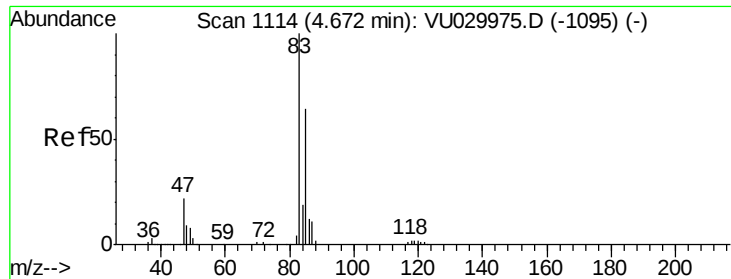
Abundance Ion 128.00 (127.70 to 128.70): VU029975.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029975.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029975.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029975.D (-1059) (-)





#25

Chloroform

Concen: 48.830 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

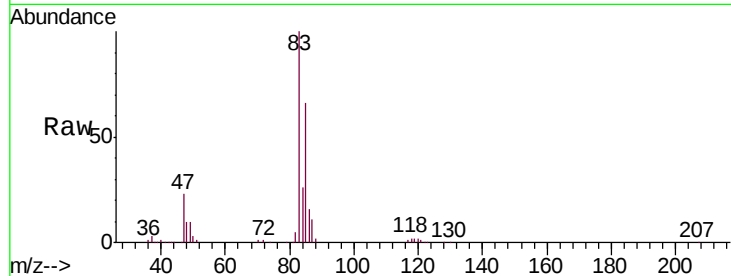
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion: 83 Resp: 334809

Ion Ratio Lower Upper

83 100

85 65.7 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

4.67

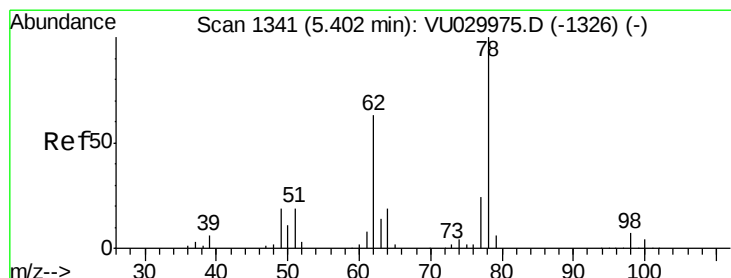
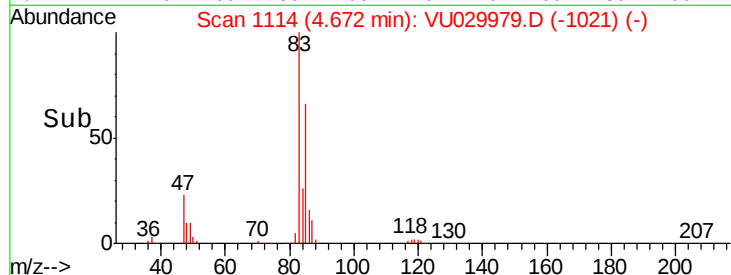
150000

100000

50000

0

Time--> 4.55 4.60 4.65 4.70 4.75



#27

1,2-Dichloroethane

Concen: 48.487 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029979.D

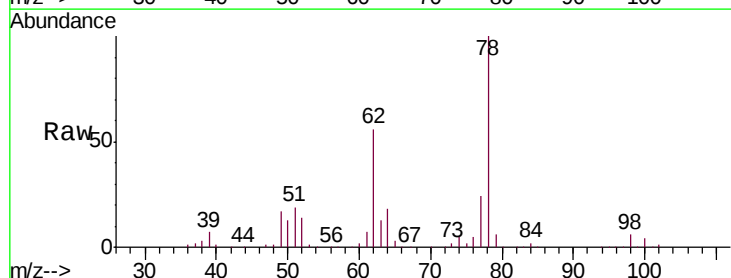
Acq: 11 Mar 2019 20:19

Tgt Ion: 62 Resp: 239021

Ion Ratio Lower Upper

62 100

98 10.7 8.8 13.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

120000

100000

80000

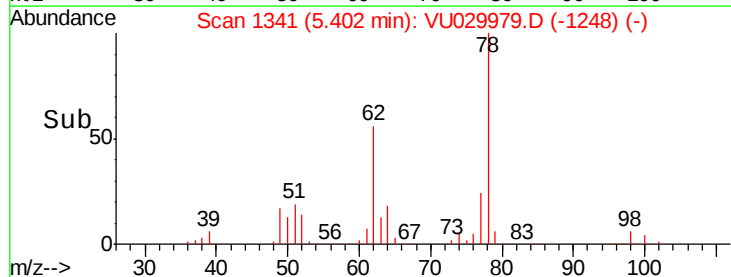
60000

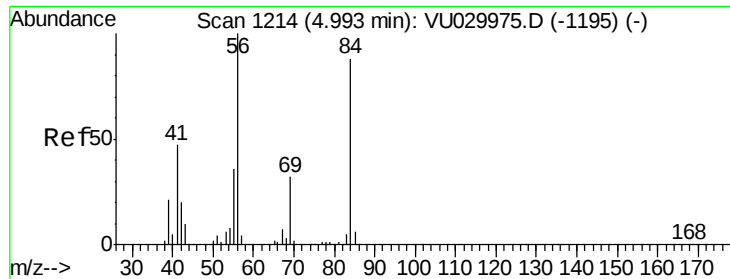
40000

20000

0

Time--> 5.30 5.35 5.40 5.45 5.50

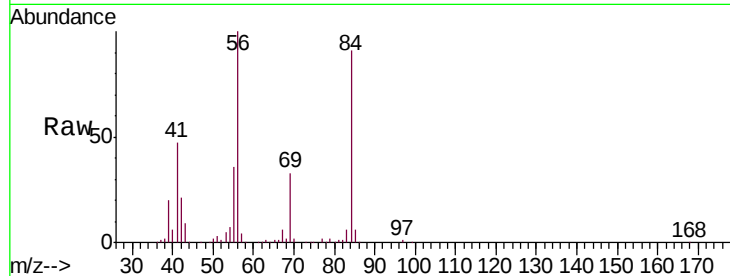




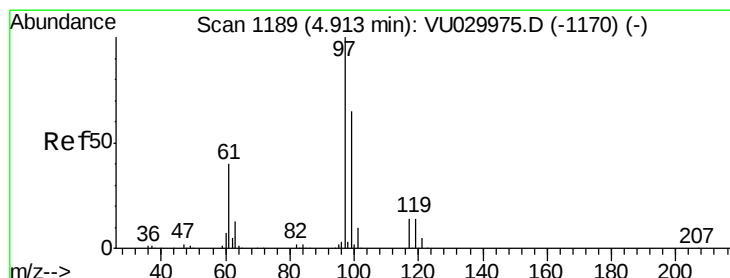
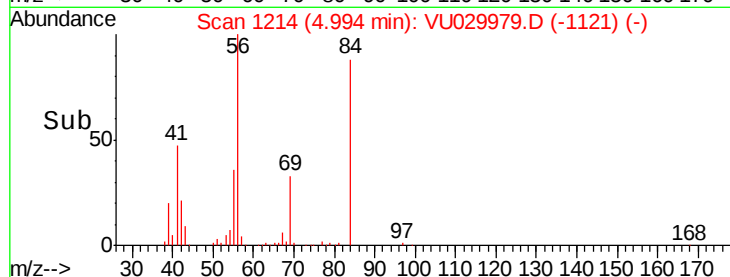
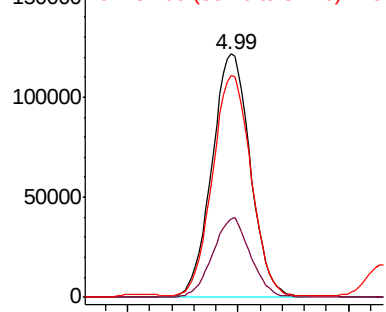
#29
Cyclohexane
Concen: 50.068 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.3	37.9
84	92.2	73.5	110.3

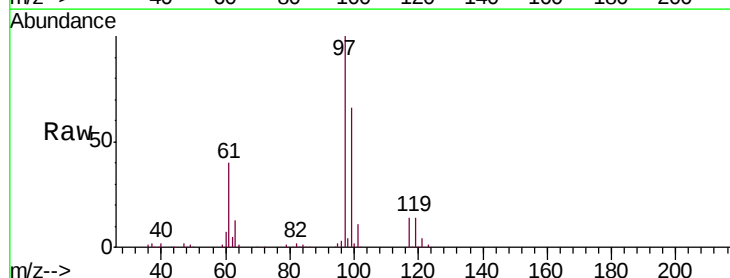


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

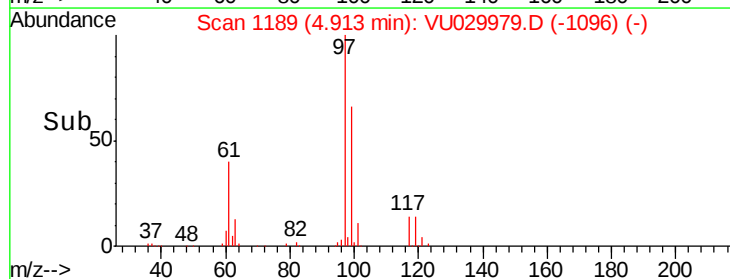
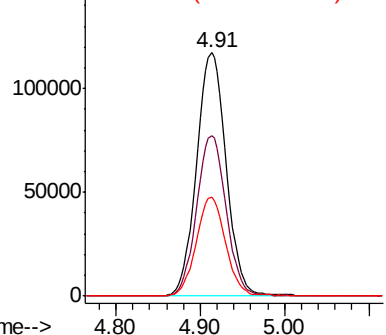


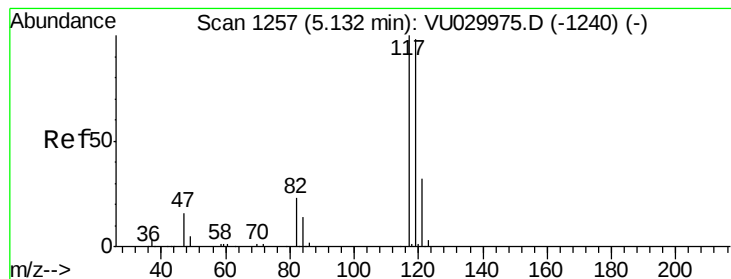
#30
1,1,1-Trichloroethane
Concen: 49.239 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.2	78.2
61	40.1	32.2	48.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 50.603 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

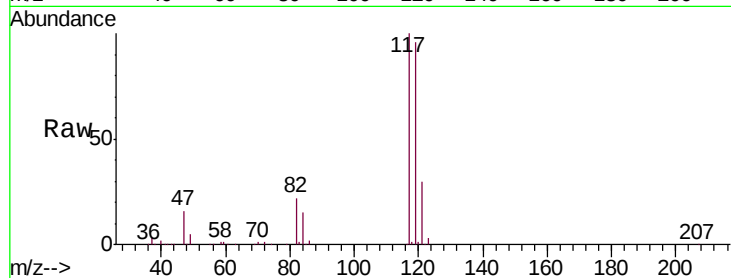
VSTD05060

Tgt Ion:117 Resp: 260170

Ion Ratio Lower Upper

117 100

119 94.3 77.3 115.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.13

120000

100000

80000

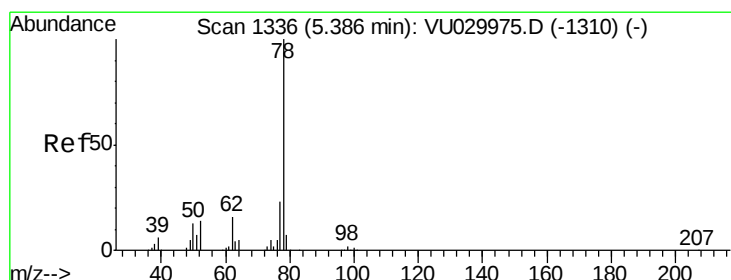
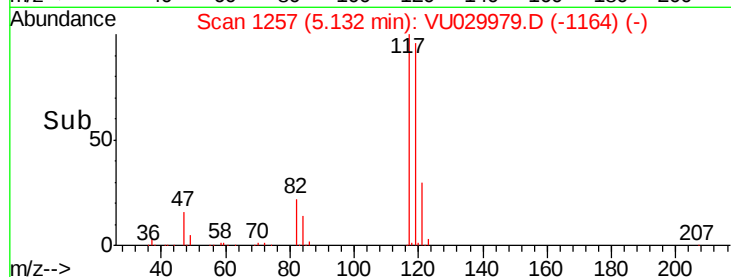
60000

40000

20000

0

Time-->



#33

Benzene

Concen: 50.156 ug/L

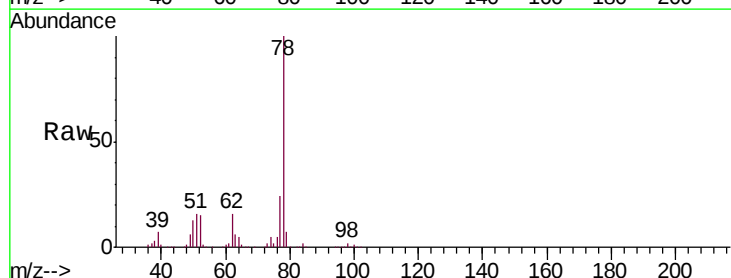
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Tgt Ion: 78 Resp: 765482



Abundance Ion 78.00 (77.70 to 78.70): VU0

400000

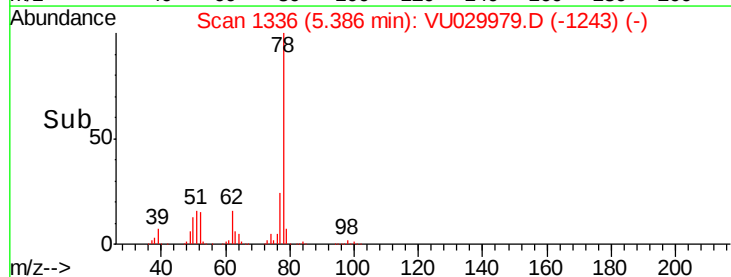
300000

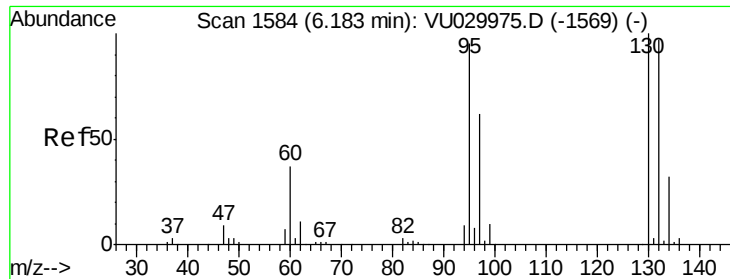
200000

100000

0

Time-->





#34

Trichloroethene

Concen: 49.899 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

Tgt Ion: 95 Resp: 199595

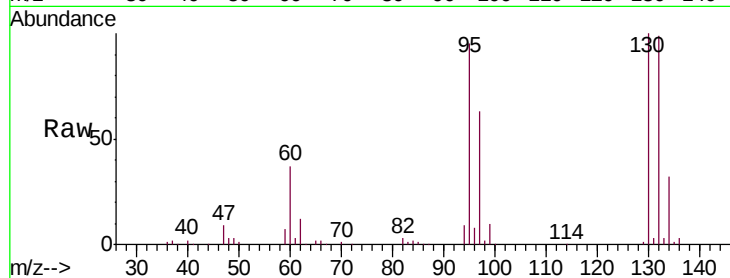
Ion Ratio Lower Upper

95 100

97 66.0 45.5 84.5

132 104.7 71.5 132.7

130 105.6 73.5 136.5

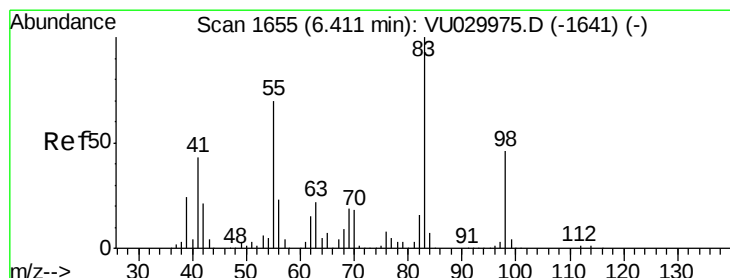
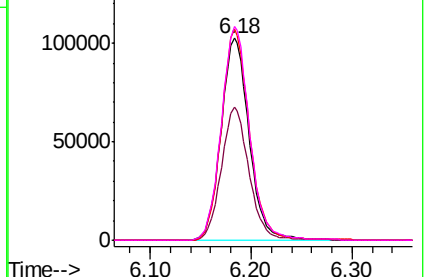
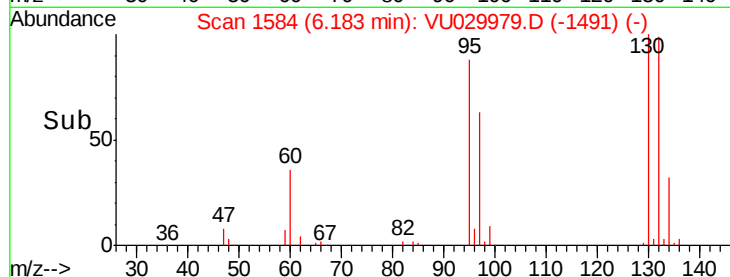


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.009 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

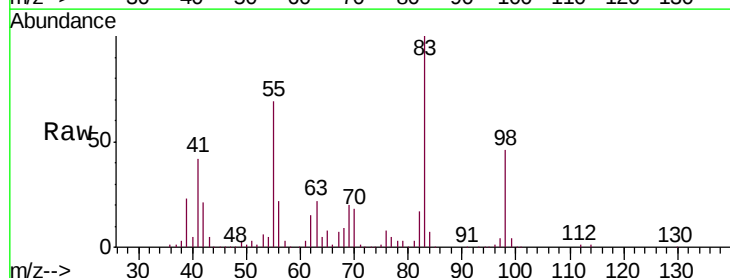
Tgt Ion: 83 Resp: 324378

Ion Ratio Lower Upper

83 100

55 71.5 56.6 84.8

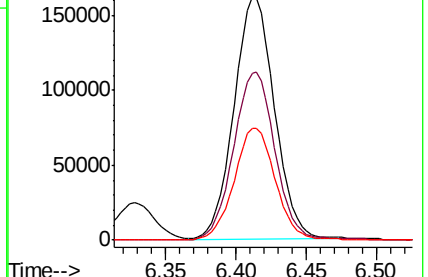
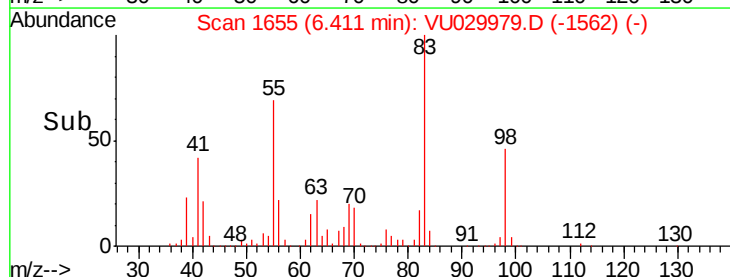
98 47.0 37.8 56.6

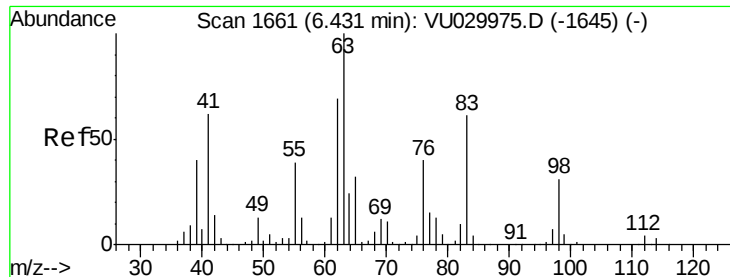


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

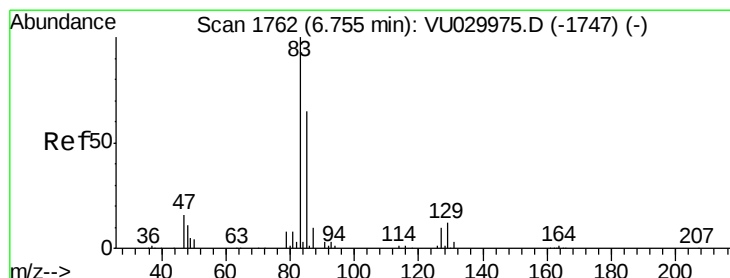
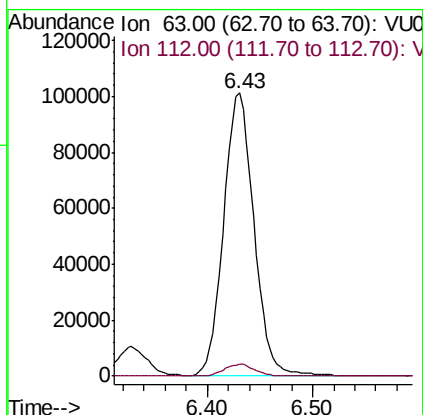
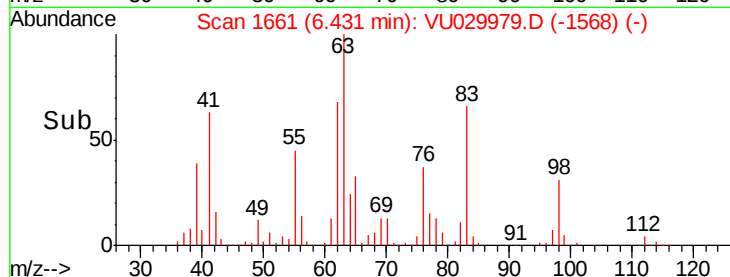
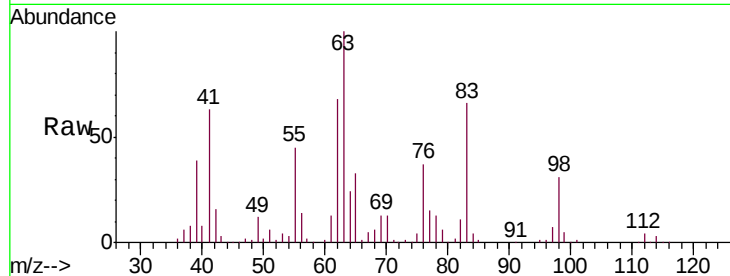




#37
 1,2-Dichloropropane
 Concen: 49.910 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

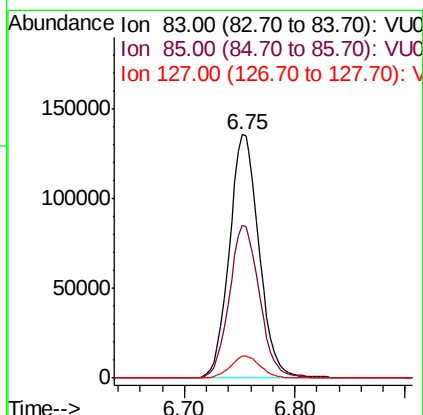
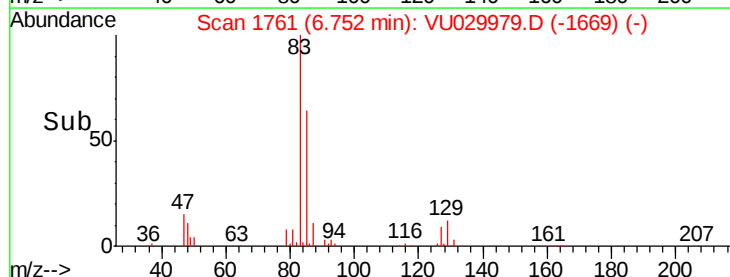
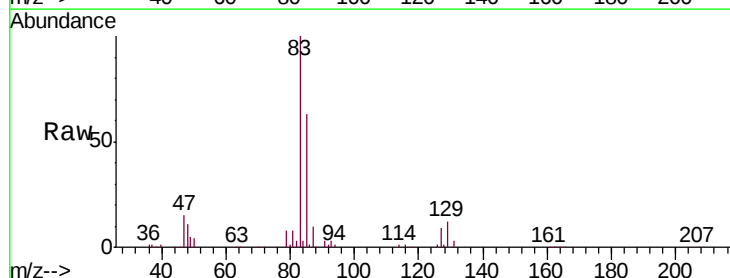
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

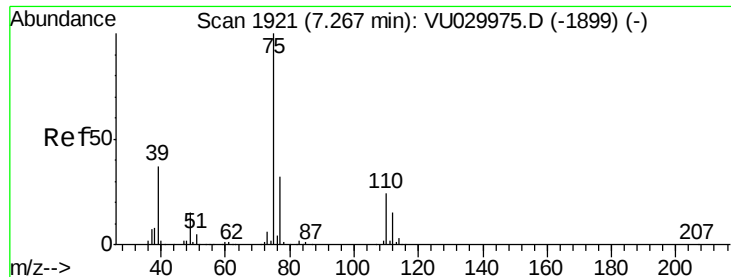
Tgt Ion: 63 Resp: 200363
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 50.733 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Tgt Ion: 83 Resp: 253262
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.7 84.9
 127 9.1 7.7 11.5



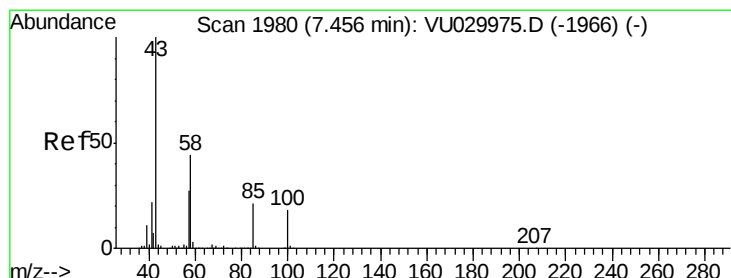
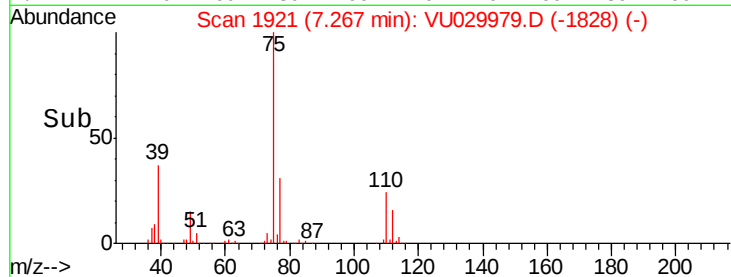
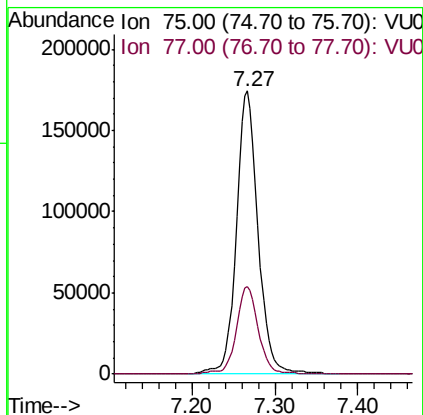
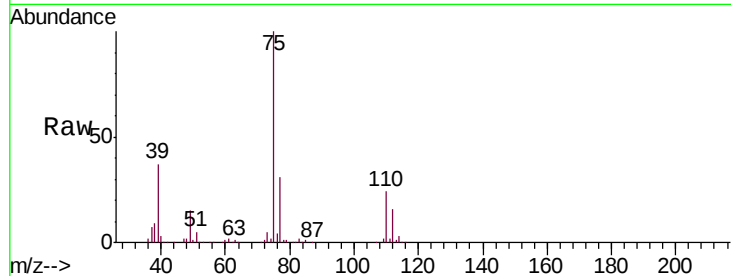


#39

cis-1,3-Dichloropropene
 Concen: 51.213 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

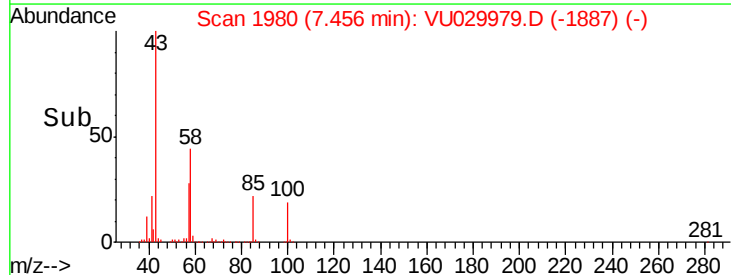
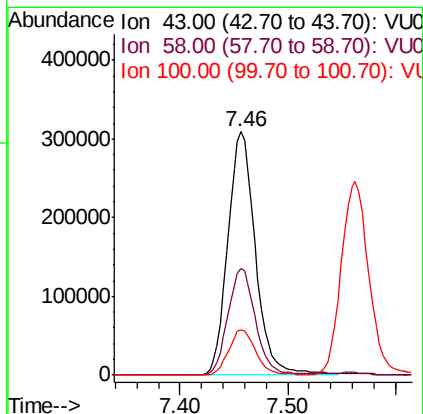
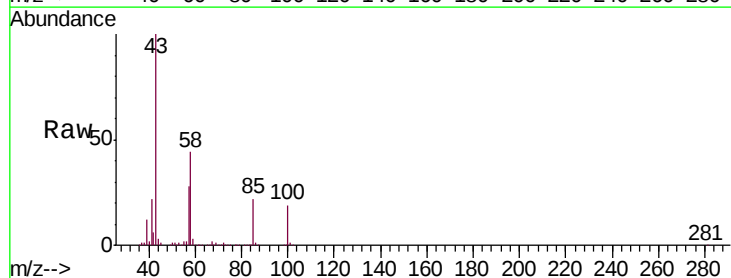
Tgt Ion: 75 Resp: 319943
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.2 41.2

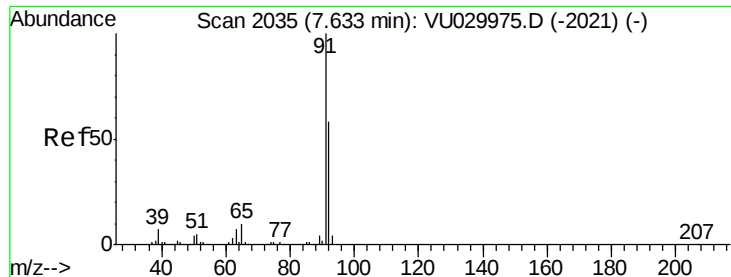


#40

4-Methyl-2-pentanone
 Concen: 102.083 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Tgt Ion: 43 Resp: 553342
 Ion Ratio Lower Upper
 43 100
 58 43.9 35.1 52.7
 100 18.4 14.4 21.6





#42

Toluene

Concen: 50.826 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

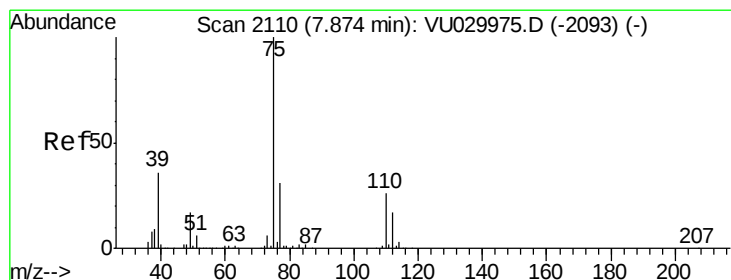
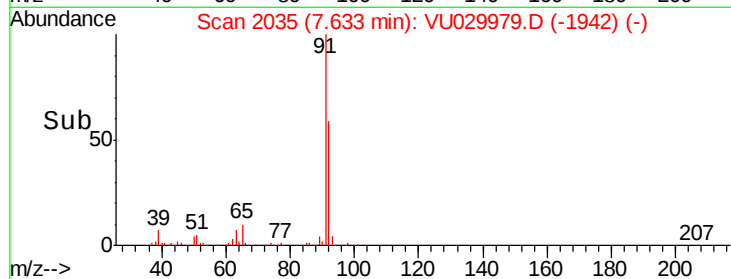
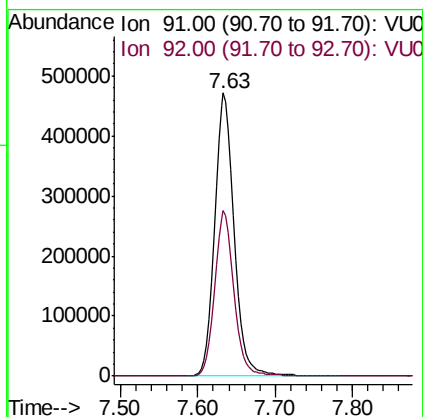
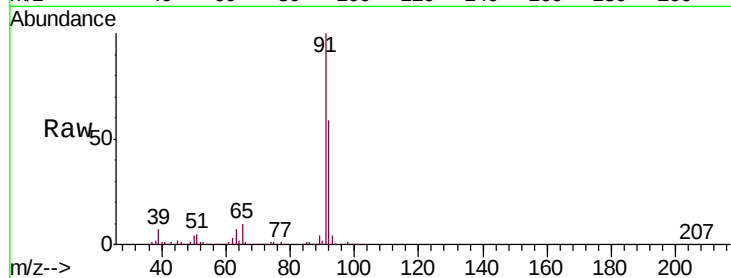
VSTD05060

Tgt Ion: 91 Resp: 843389

Ion Ratio Lower Upper

91 100

92 58.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 50.806 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU029979.D

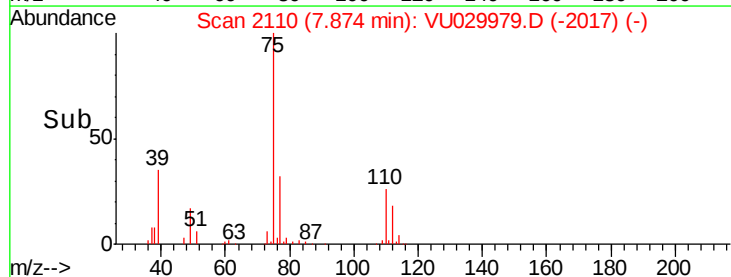
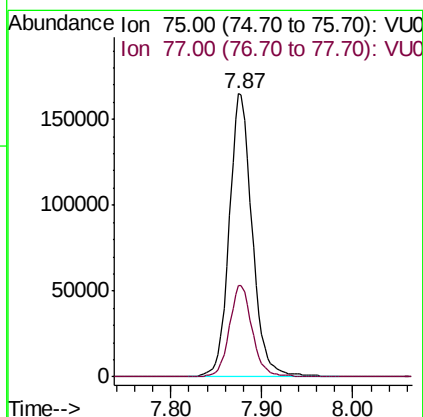
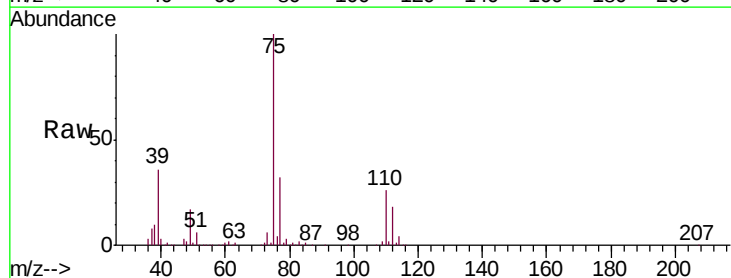
Acq: 11 Mar 2019 20:19

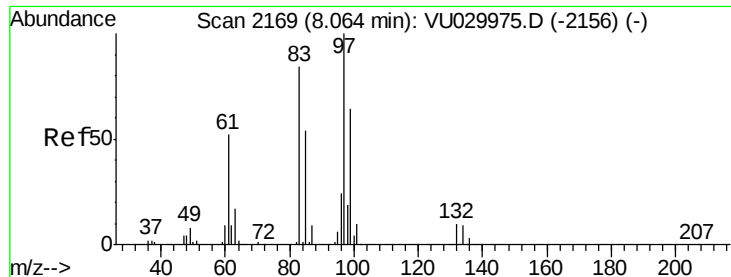
Tgt Ion: 75 Resp: 289806

Ion Ratio Lower Upper

75 100

77 32.2 21.9 40.7

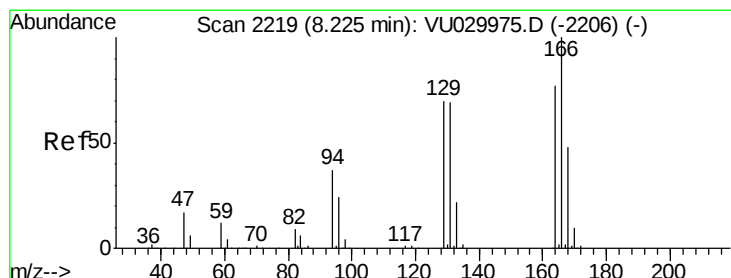
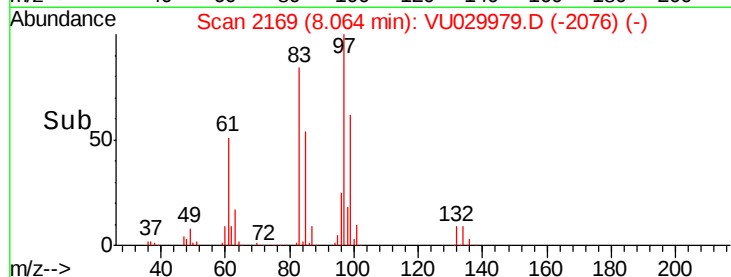
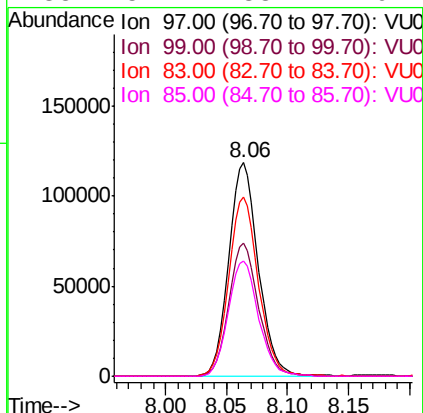
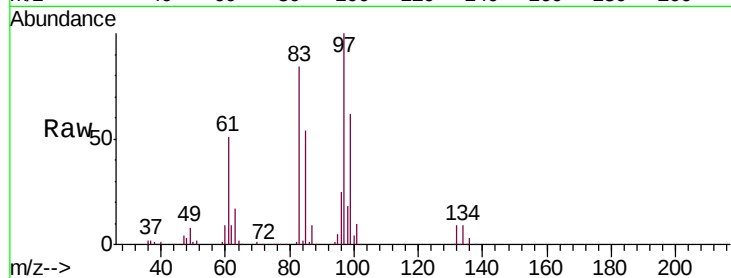




#45
 1,1,2-Trichloroethane
 Concen: 50.061 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

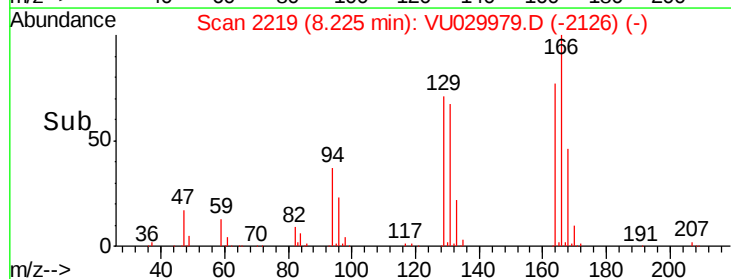
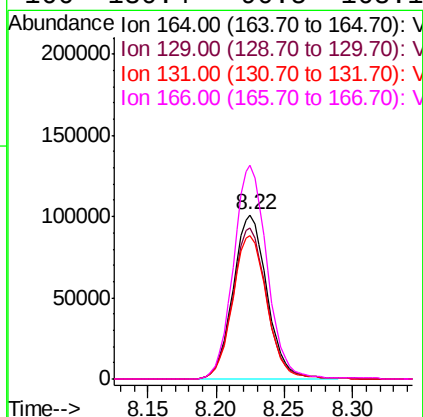
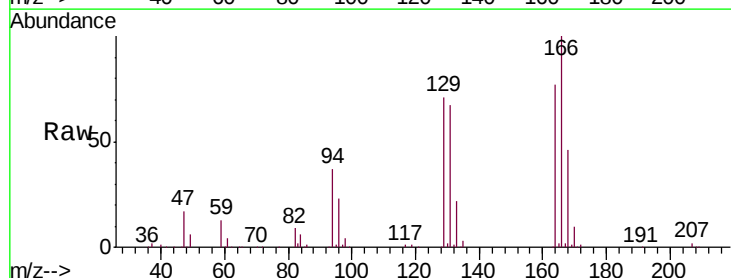
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

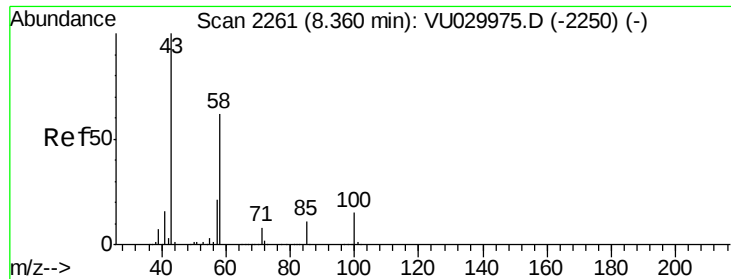
Tgt Ion:	97	Resp:	200983
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.7	82.9
83	84.0	58.6	108.8
85	54.2	38.1	70.7



#46
 Tetrachloroethene
 Concen: 50.045 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Tgt Ion:	164	Resp:	175184
Ion	Ratio	Lower	Upper
164	100		
129	92.1	63.3	117.7
131	87.3	62.0	115.2
166	130.4	90.5	168.1

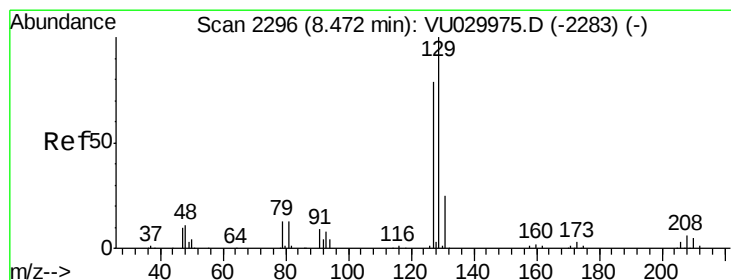
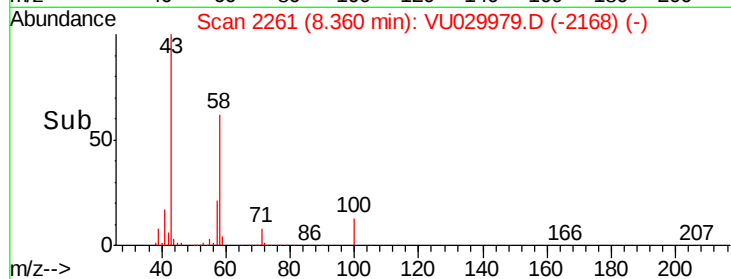
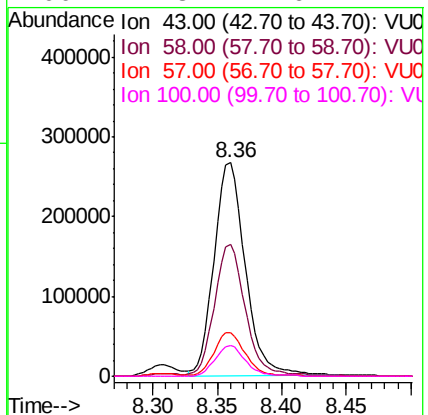
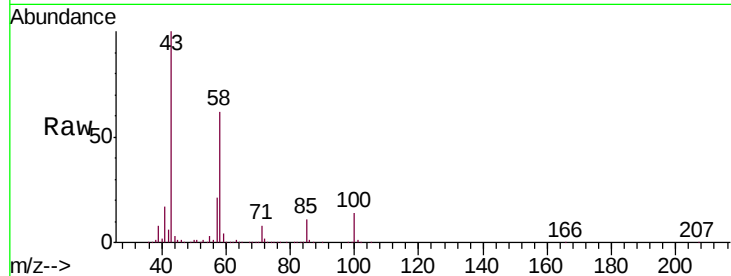




#48
2-Hexanone
Concen: 97.092 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

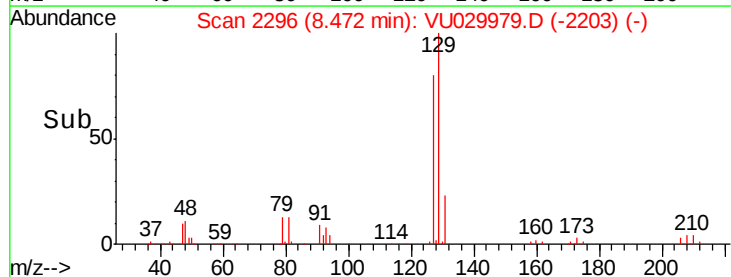
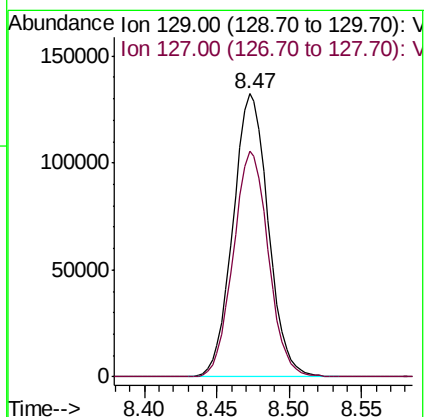
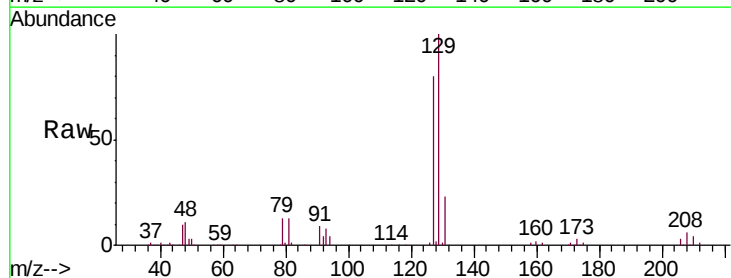
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

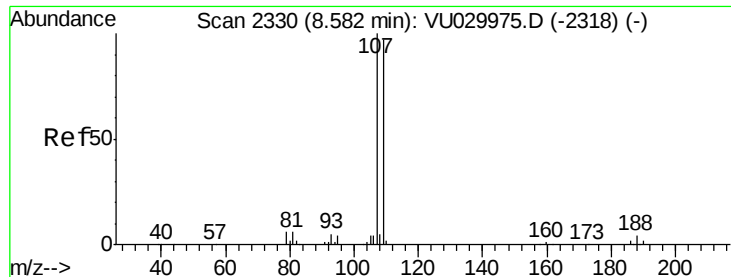
Tgt Ion:	43	Resp:	448982
Ion	Ratio	Lower	Upper
43	100		
58	61.5	48.6	72.8
57	20.4	16.1	24.1
100	14.3	11.6	17.4



#49
Dibromochloromethane
Concen: 49.925 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

Tgt Ion:	129	Resp:	223941
Ion	Ratio	Lower	Upper
129	100		
127	79.6	55.2	102.4

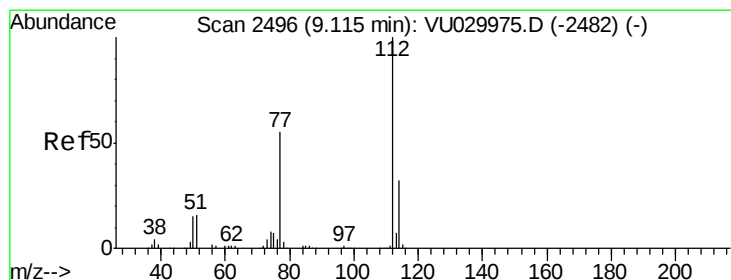
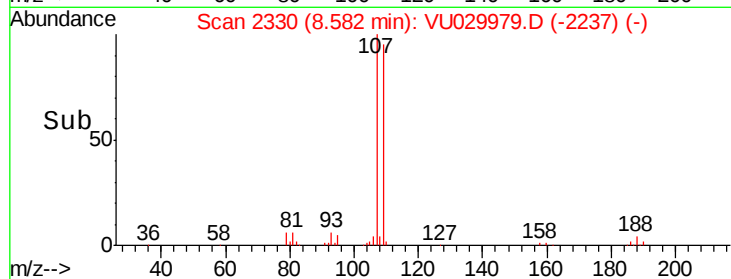
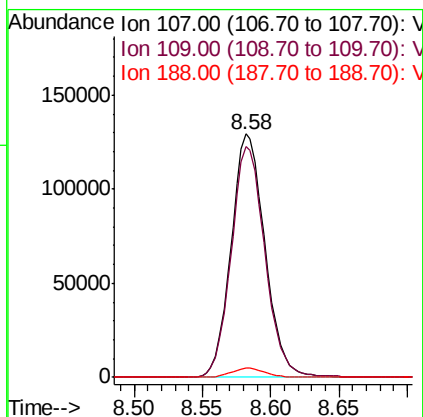
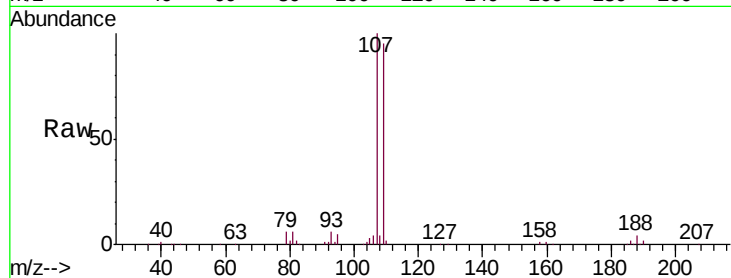




#50
1,2-Dibromoethane
Concen: 50.289 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

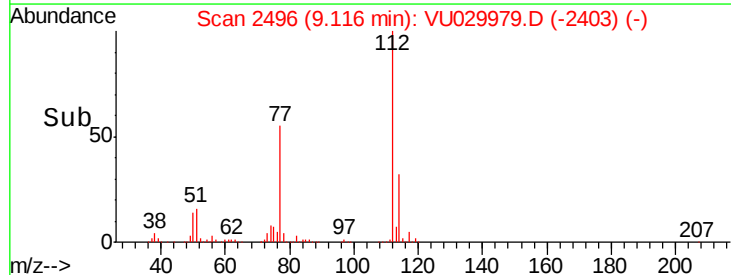
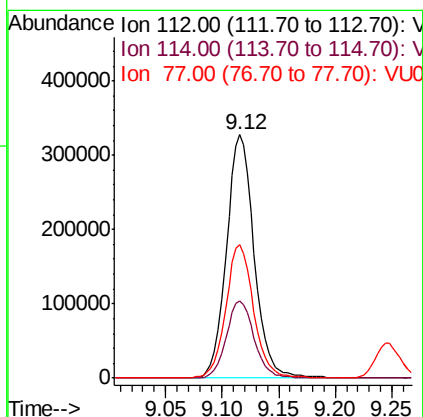
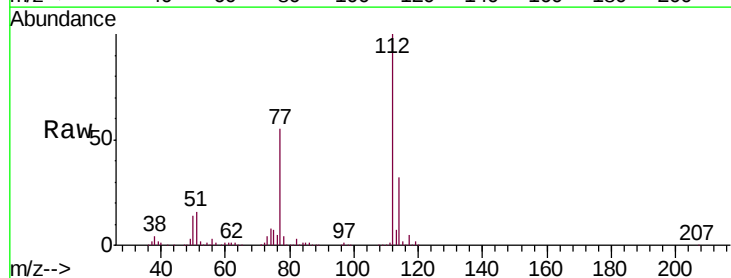
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

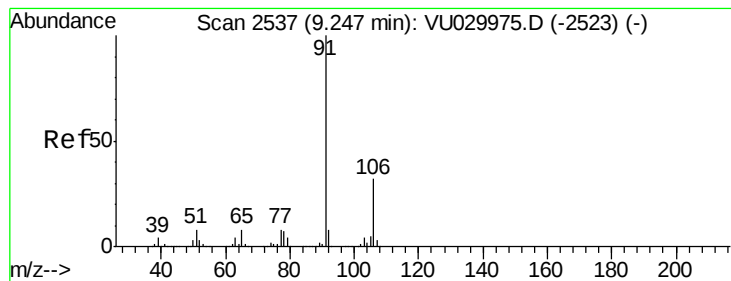
Tgt Ion:107 Resp: 222544
Ion Ratio Lower Upper
107 100
109 94.8 67.8 126.0
188 3.8 3.2 4.8



#51
Chlorobenzene
Concen: 49.783 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

Tgt Ion:112 Resp: 556923
Ion Ratio Lower Upper
112 100
114 31.7 22.5 41.9
77 54.8 44.6 66.8





#52

Ethylbenzene

Concen: 50.399 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

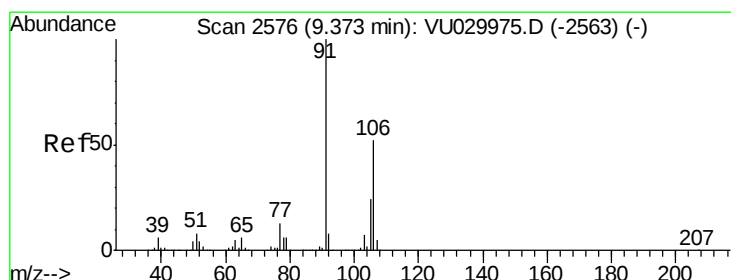
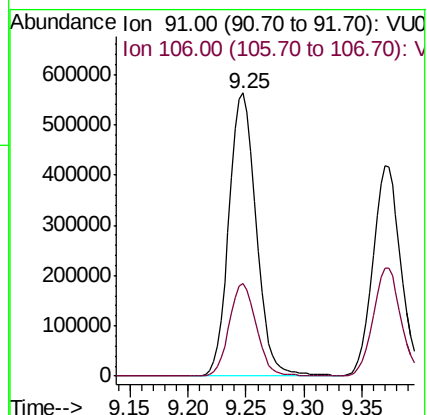
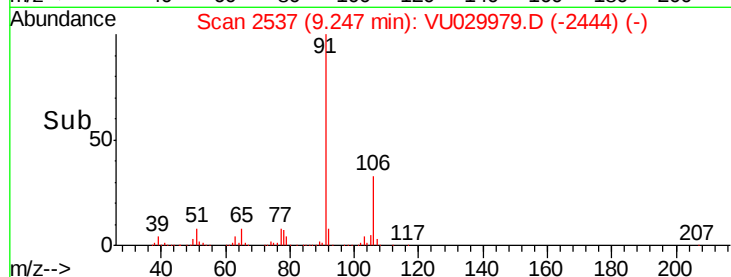
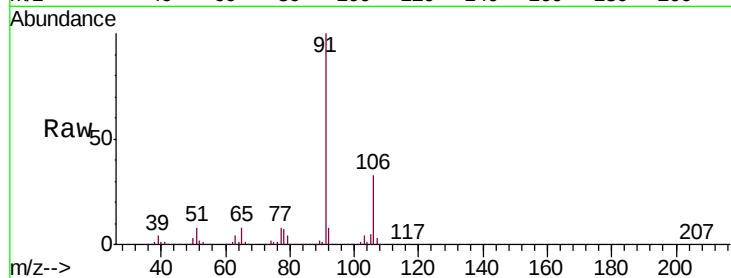
VSTD05060

Tgt Ion: 91 Resp: 920655

Ion Ratio Lower Upper

91 100

106 32.8 22.5 41.9



#53

m,p-Xylene

Concen: 51.136 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU029979.D

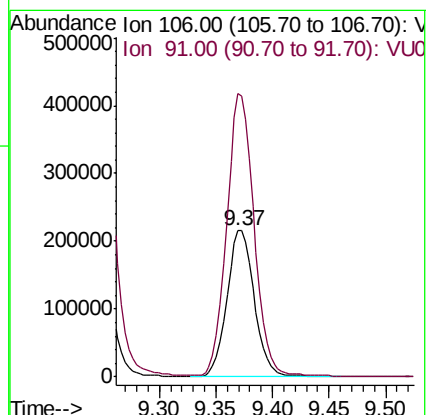
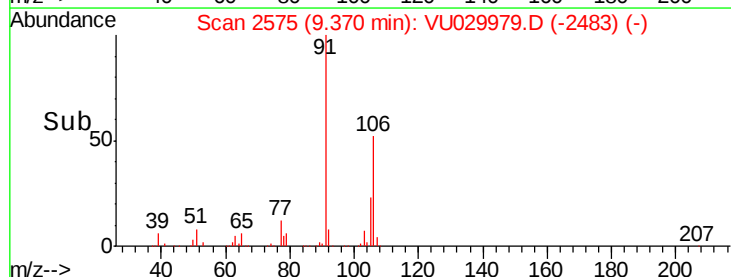
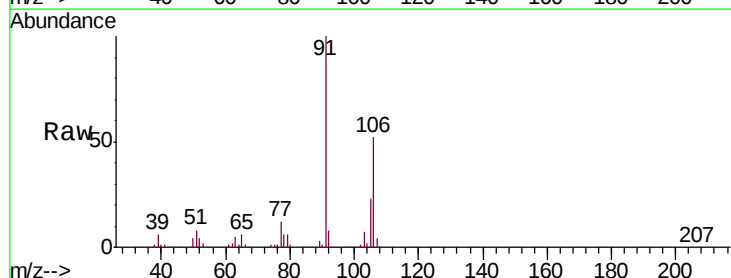
Acq: 11 Mar 2019 20:19

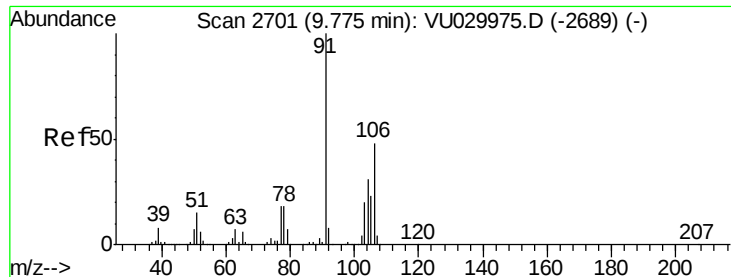
Tgt Ion: 106 Resp: 361405

Ion Ratio Lower Upper

106 100

91 193.6 135.1 250.9

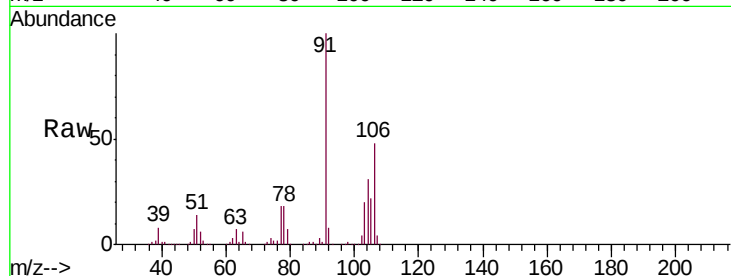




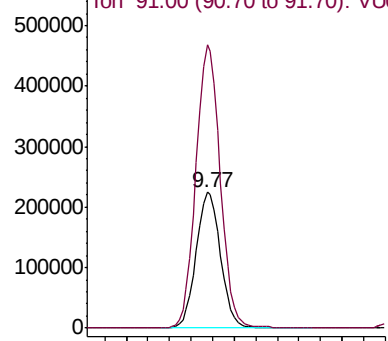
#54
o-xylene
Concen: 51.042 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

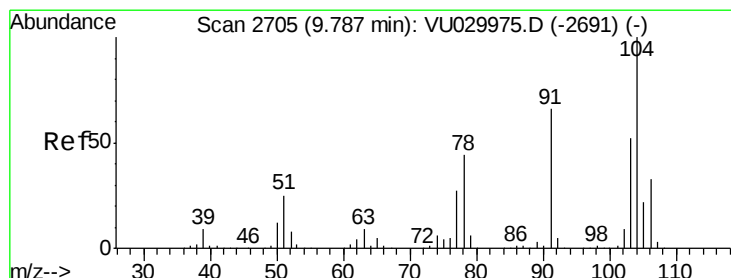
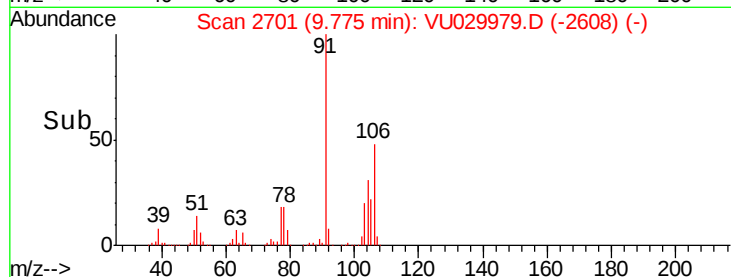
Tgt Ion:106 Resp: 354332
Ion Ratio Lower Upper
106 100
91 208.1 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

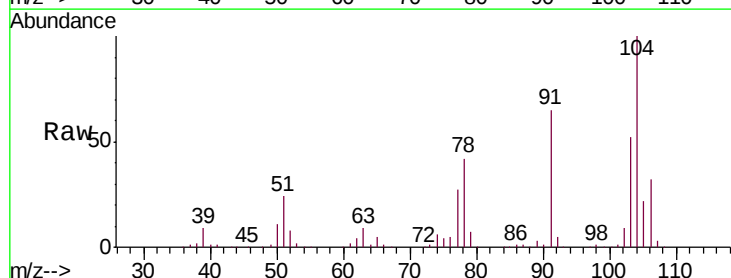


Time-->

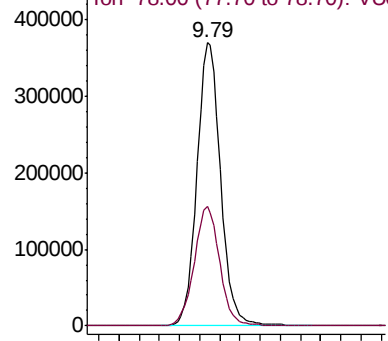


#55
Styrene
Concen: 51.323 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU029979.D
Acq: 11 Mar 2019 20:19

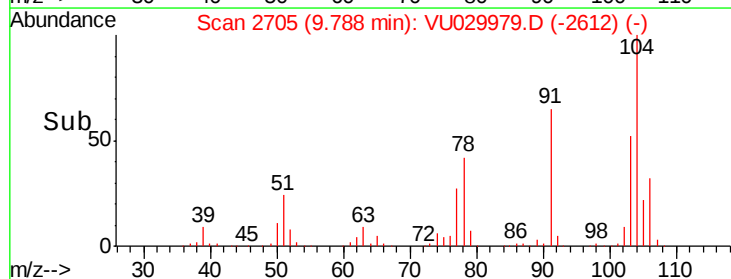
Tgt Ion:104 Resp: 606653
Ion Ratio Lower Upper
104 100
78 42.2 30.6 56.8

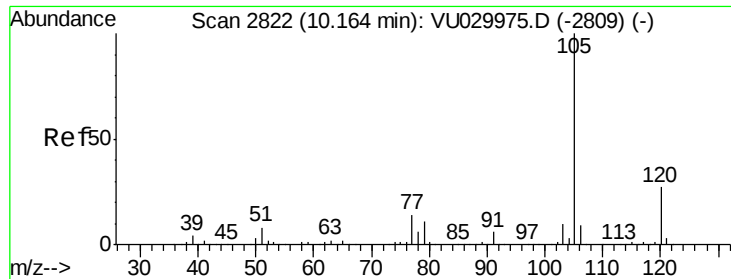


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 50.673 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

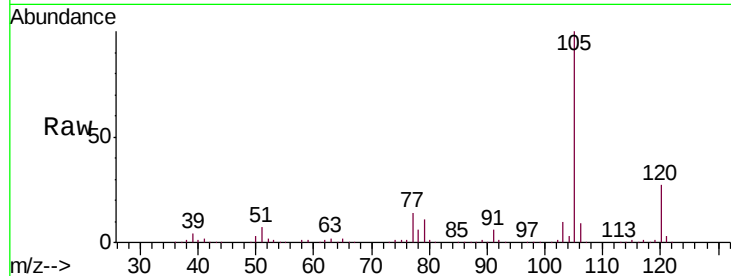
Tgt Ion: 105 Resp: 920928

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

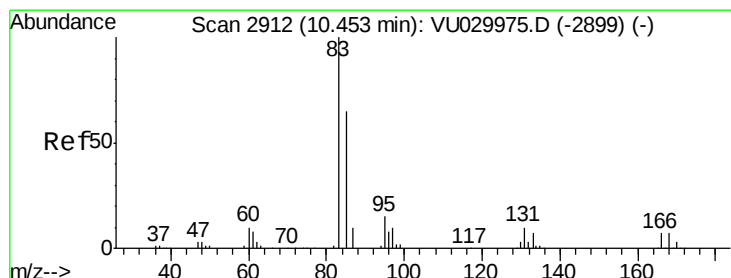
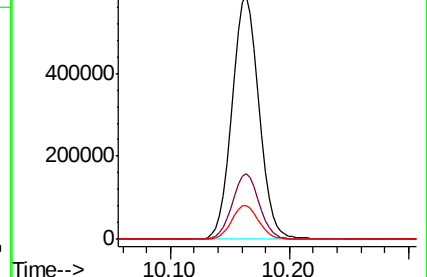
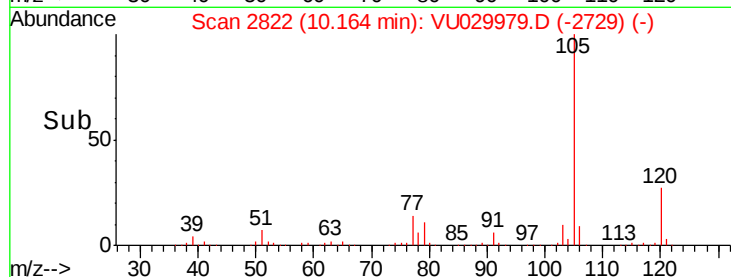
77 14.2 11.1 16.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.702 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

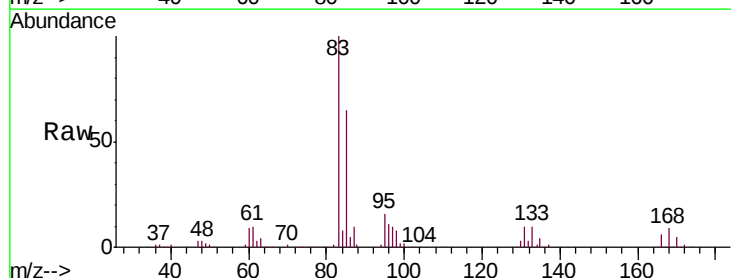
Tgt Ion: 83 Resp: 342483

Ion Ratio Lower Upper

83 100

85 64.7 45.9 85.3

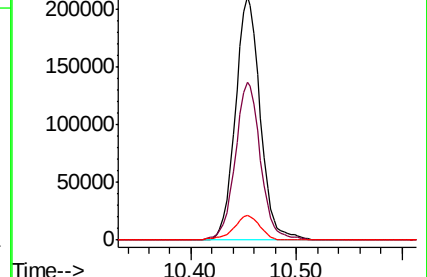
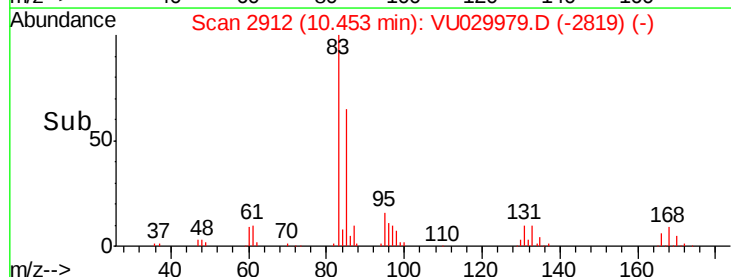
131 10.2 8.5 12.7

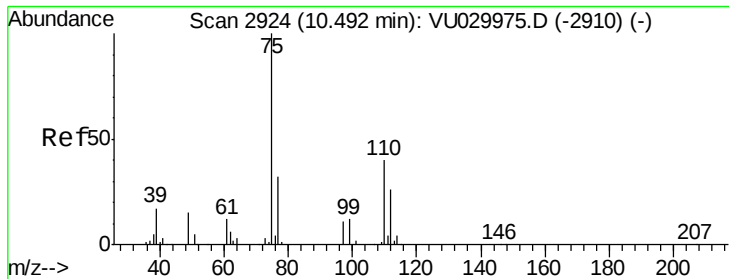


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

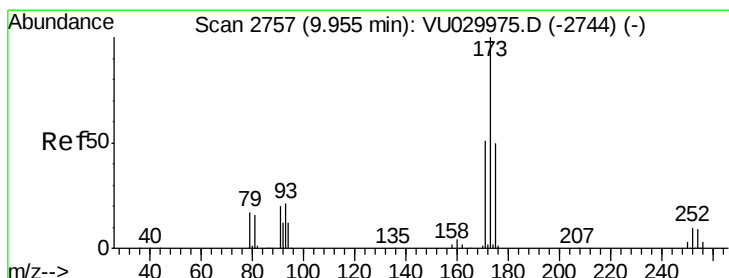
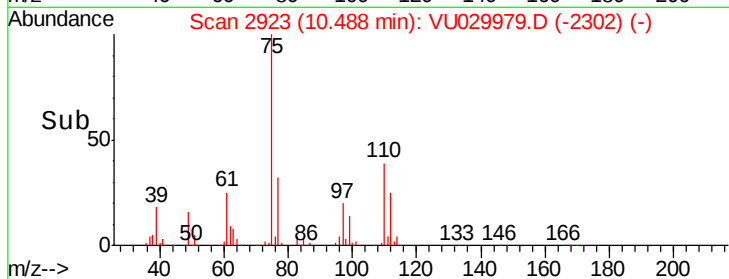
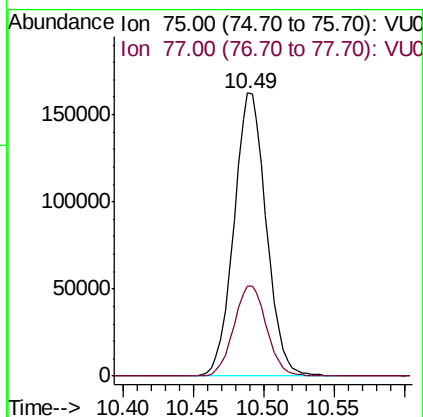
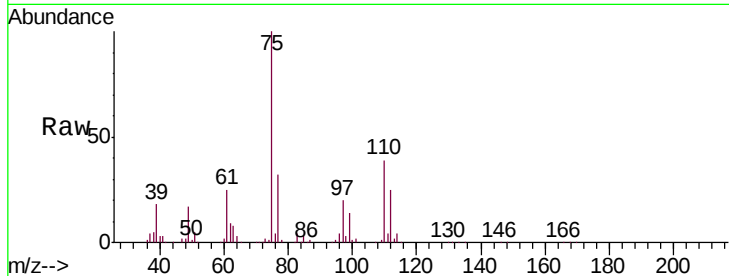




#59
 1,2,3-Trichloropropane
 Concen: 49.912 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

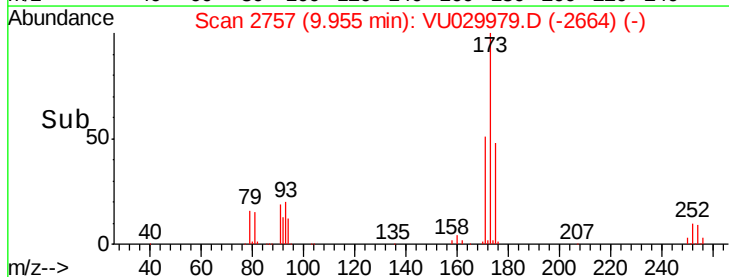
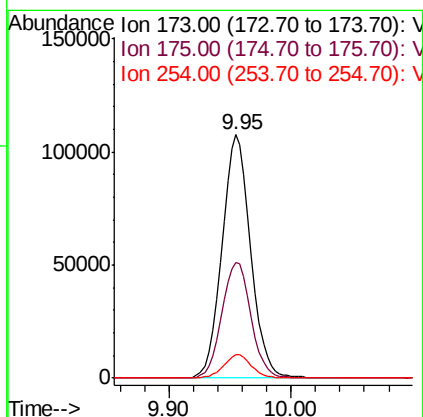
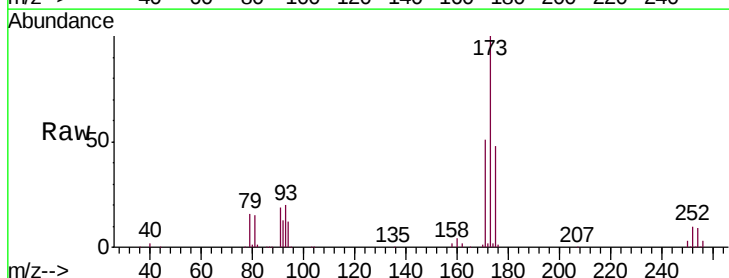
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

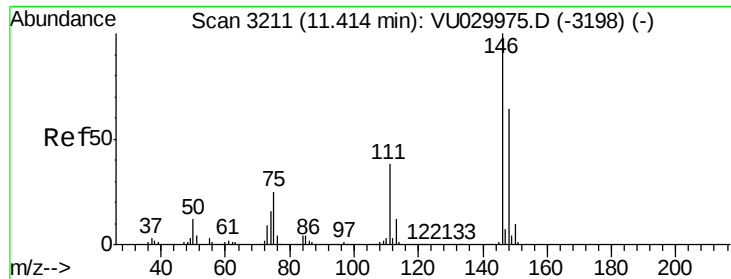
Tgt Ion: 75 Resp: 260951
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 51.427 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Tgt Ion: 173 Resp: 177212
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.0 58.6
 254 9.3 7.4 11.0

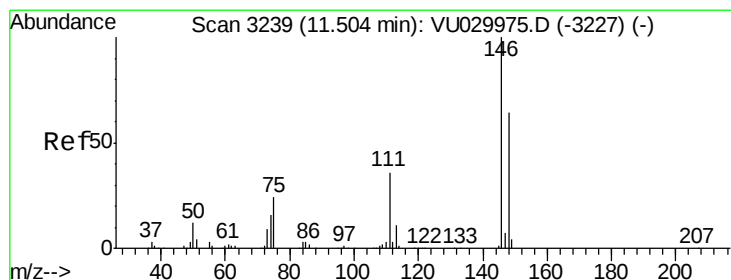
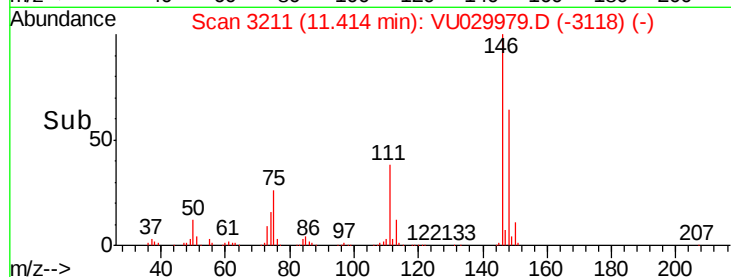
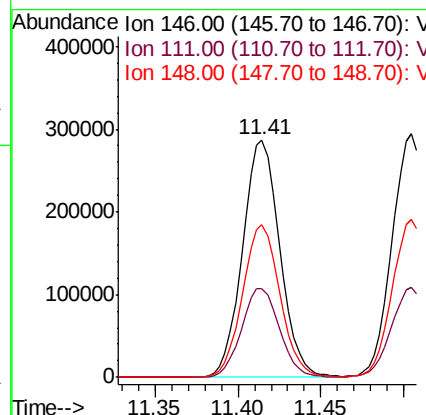
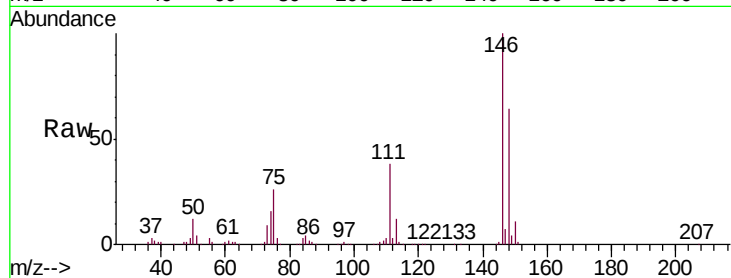




#62
 1,3-Dichlorobenzene
 Concen: 50.251 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

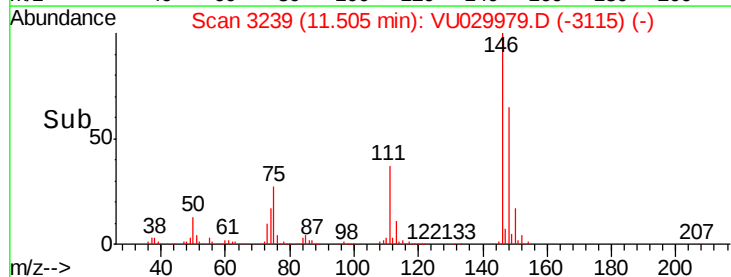
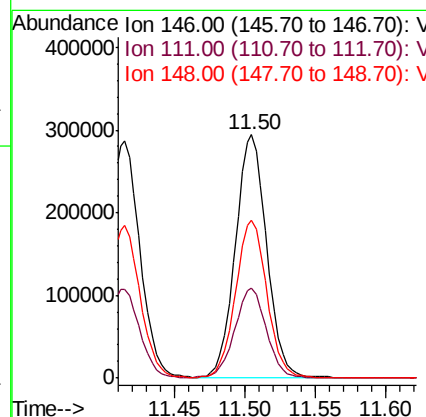
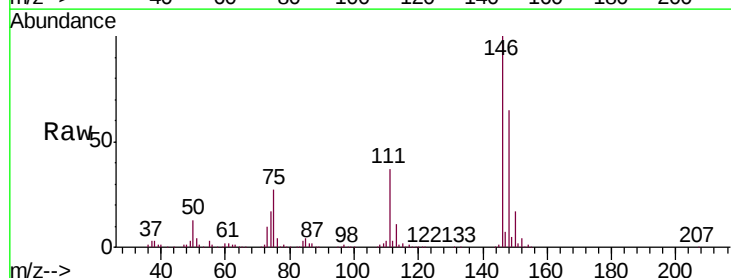
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

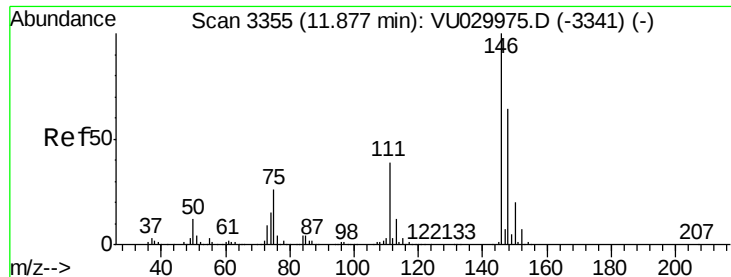
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.7	49.5
148	64.1	44.9	83.5



#63
 1,4-Dichlorobenzene
 Concen: 50.116 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.5	47.3
148	64.8	45.0	83.6

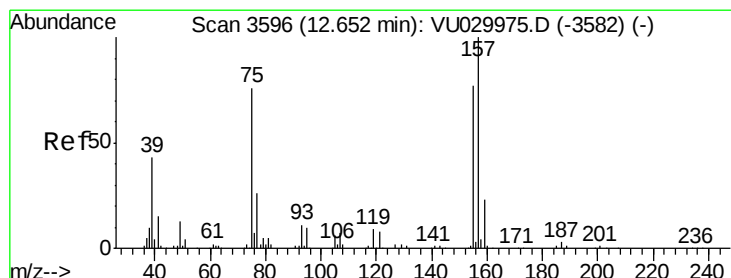
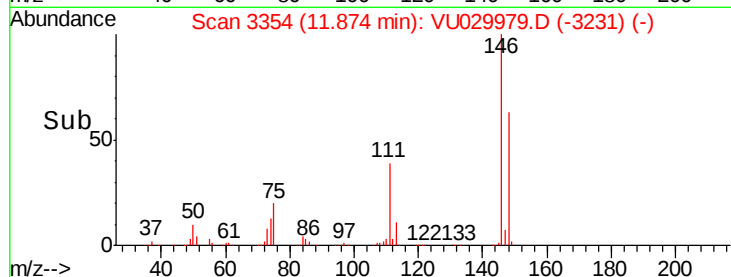
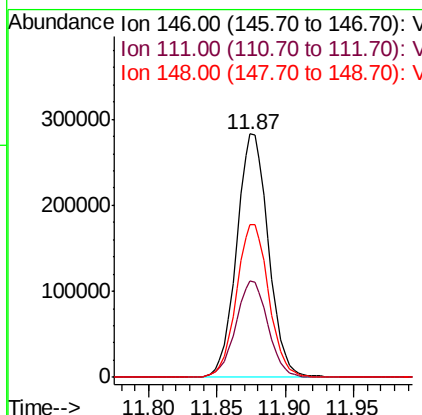
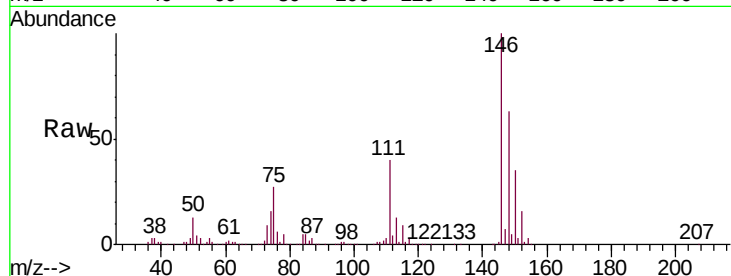




#65
 1,2-Dichlorobenzene
 Concen: 50.845 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

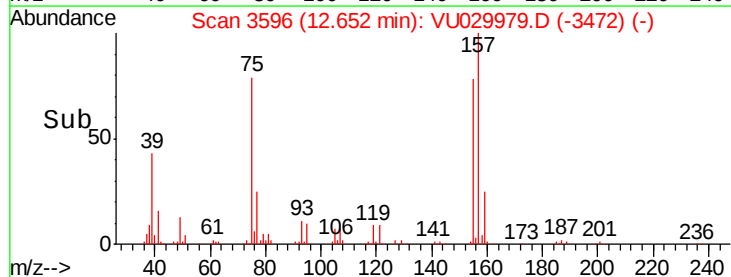
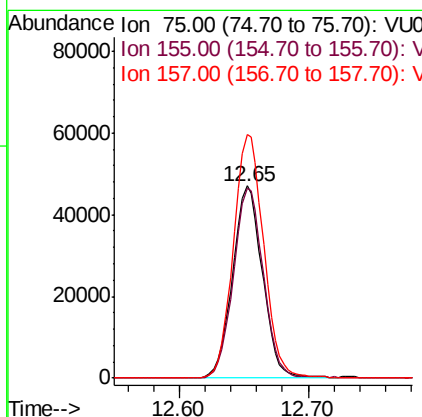
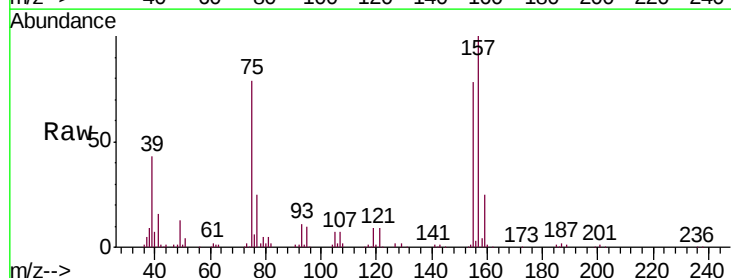
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

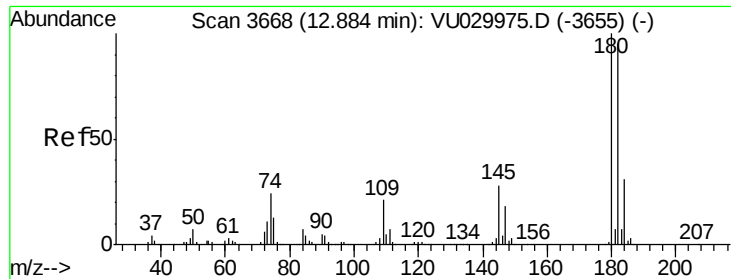
Tgt Ion:146 Resp: 457558
 Ion Ratio Lower Upper
 146 100
 111 39.7 30.9 46.3
 148 62.7 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.867 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Tgt Ion: 75 Resp: 75849
 Ion Ratio Lower Upper
 75 100
 155 98.8 80.9 121.3
 157 126.8 104.6 156.8

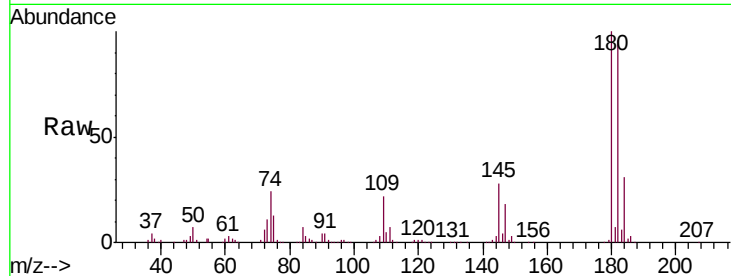




#67
 1,3,5-Trichlorobenzene
 Concen: 51.379 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
184	30.9	24.7	37.1
145	28.0	22.3	33.5



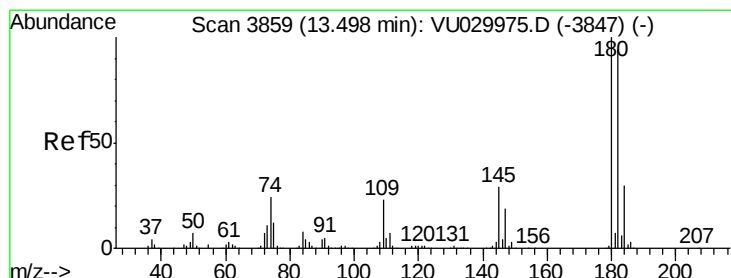
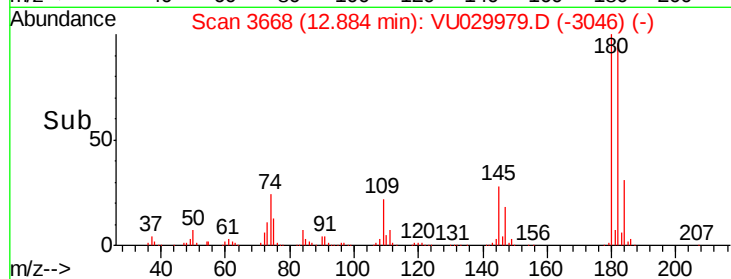
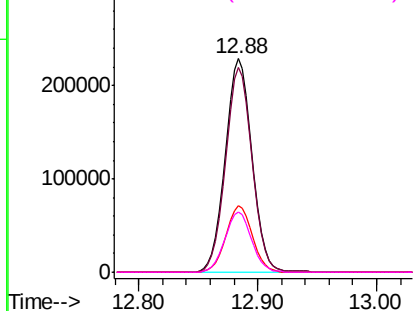
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

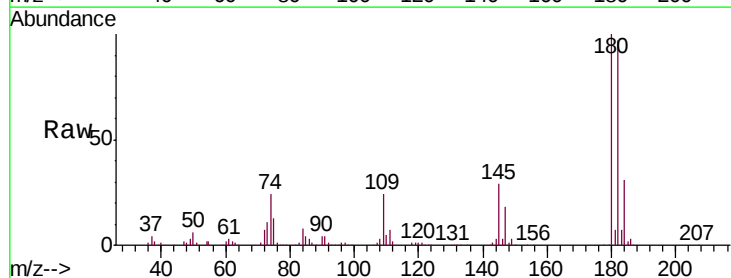
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.373 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU029979.D
 Acq: 11 Mar 2019 20:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
145	28.5	23.0	34.4

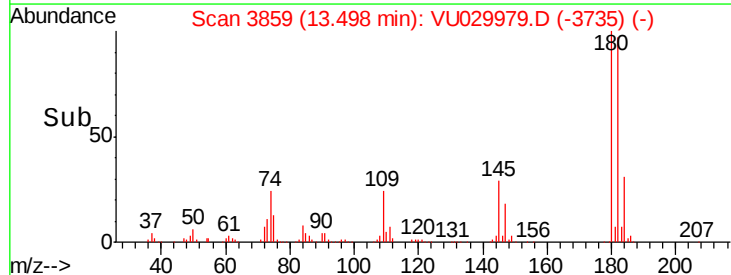
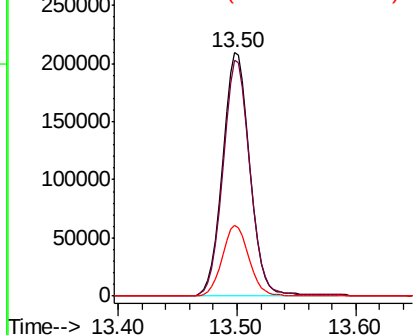


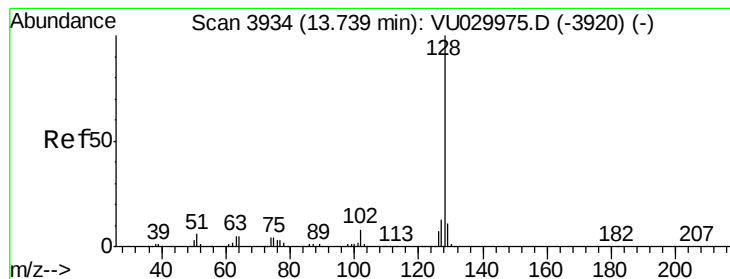
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.857 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

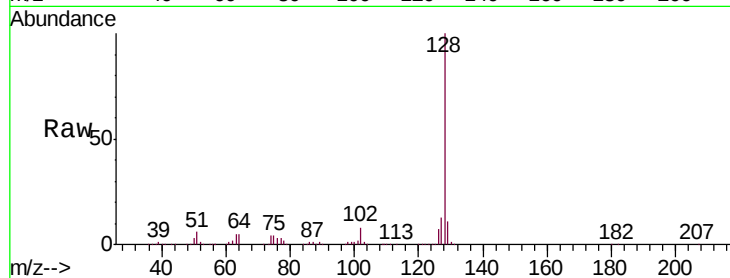
Tgt Ion:128 Resp: 1110704

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

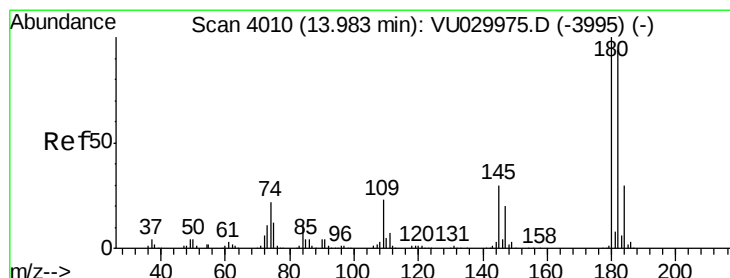
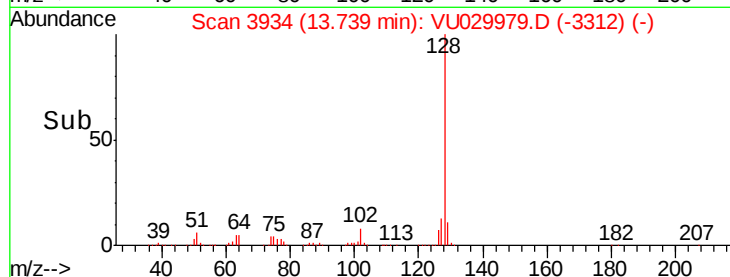
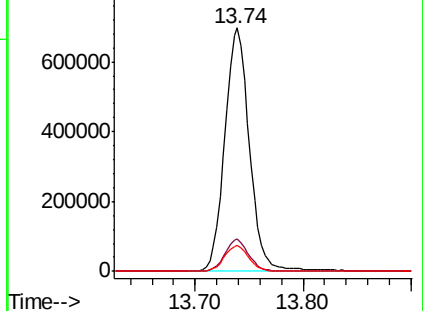
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.975 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029979.D

Acq: 11 Mar 2019 20:19

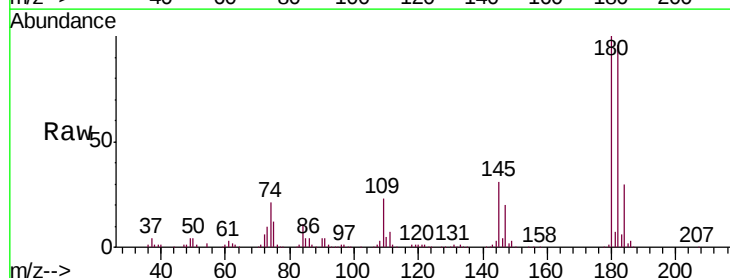
Tgt Ion:180 Resp: 342727

Ion Ratio Lower Upper

180 100

182 95.9 75.9 113.9

145 30.4 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

