

Data File : VU029669.D
Acq On : 25 Feb 2019 19:33
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: Feb 26 00:18:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 00:12:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	479185	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	485055	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	262340	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	170087	48.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.88%
7) Chloroethane-d5	1.68	69	146637	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.96%
11) 1,1-Dichloroethene-d2	2.27	63	311197	45.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.68%
21) 2-Butanone-d5	4.17	46	248086	116.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.10%
24) Chloroform-d	4.64	84	312411	54.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.72%
26) 1,2-Dichloroethane-d4	5.31	65	190698	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.78%
32) Benzene-d6	5.34	84	664088	54.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.82%
36) 1,2-Dichloropropane-d6	6.33	67	198775	54.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.26%
41) Toluene-d8	7.56	98	651163	52.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.56%
43) trans-1,3-Dichloropropene-	7.85	79	96202	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.31	63	194562	95.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.14%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	315307	50.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.64%
64) 1,2-Dichlorobenzene-d4	11.85	152	282469	49.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	167864	51.091	ug/L	98
3) Chloromethane	1.32	50	156942	54.449	ug/L	98
5) Vinyl chloride	1.40	62	199783	51.037	ug/L	99
6) Bromomethane	1.62	94	109696	61.402	ug/L	98
8) Chloroethane	1.69	64	124682	47.888	ug/L	99
9) Trichlorofluoromethane	1.88	101	277888	44.533	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	154442	46.270	ug/L	98
12) 1,1-Dichloroethene	2.28	96	150733	47.501	ug/L	97
13) Acetone	2.32	43	168516	73.802	ug/L	99
14) Carbon disulfide	2.48	76	452983	54.506	ug/L	100
15) Methyl Acetate	2.61	43	183403	61.883	ug/L	99
16) Methylene chloride	2.70	84	176415	57.454	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	164326	56.106	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	509547	56.194	ug/L	99
19) 1,1-Dichloroethane	3.44	63	290064	57.275	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	191295	56.210	ug/L	99
22) 2-Butanone	4.26	43	261448	100.331	ug/L	99

Data File : VU029669.D
Acq On : 25 Feb 2019 19:33
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: Feb 26 00:18:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 00:12:24 2019
Response via : Initial Calibration

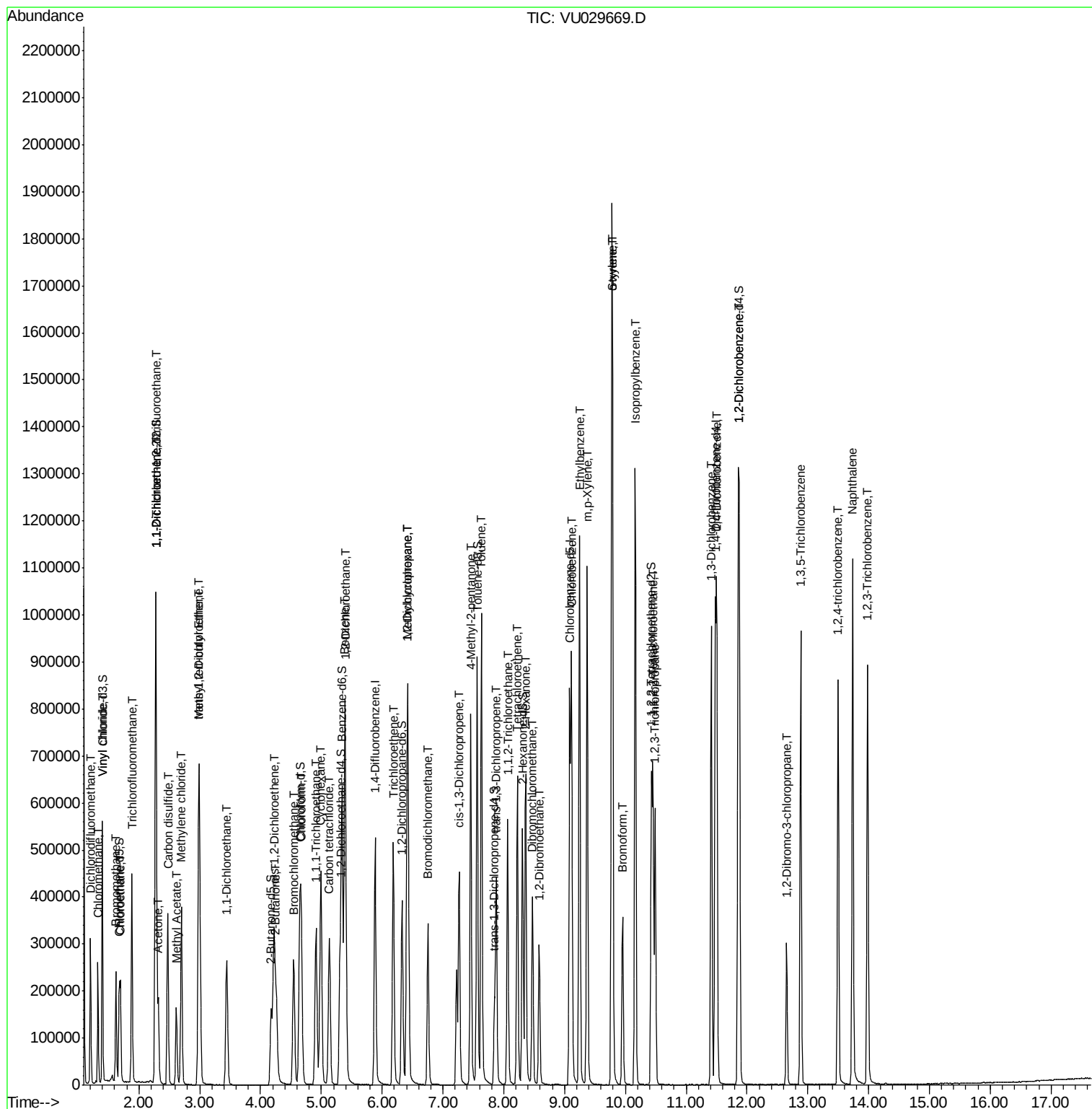
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	101703	54.515	ug/L	97
25) Chloroform	4.67	83	311490	55.126	ug/L	98
27) 1,2-Dichloroethane	5.40	62	233508	53.750	ug/L	99
29) Cyclohexane	4.99	56	253323	52.774	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	267808	52.072	ug/L	100
31) Carbon tetrachloride	5.13	117	232539	49.955	ug/L	100
33) Benzene	5.39	78	680640	54.731	ug/L	100
34) Trichloroethene	6.18	95	179154	53.477	ug/L	98
35) Methylcyclohexane	6.41	83	282210	50.724	ug/L	99
37) 1,2-Dichloropropane	6.43	63	180066	55.158	ug/L	99
38) Bromodichloromethane	6.76	83	231490	52.599	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	280547	53.265	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	499666	108.845	ug/L	98
42) Toluene	7.63	91	767851	52.211	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	253842	51.139	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	183493	52.734	ug/L	98
46) Tetrachloroethene	8.22	164	161821	49.350	ug/L	99
48) 2-Hexanone	8.36	43	401394	100.091	ug/L	98
49) Dibromochloromethane	8.47	129	212950	50.482	ug/L	99
50) 1,2-Dibromoethane	8.58	107	202412	52.505	ug/L	99
51) Chlorobenzene	9.12	112	520574	51.572	ug/L	98
52) Ethylbenzene	9.25	91	847757	50.755	ug/L	100
53) m,p-Xylene	9.37	106	333981	49.812	ug/L	99
54) o-xylene	9.78	106	339403	50.395	ug/L	100
55) Styrene	9.79	104	574327	50.516	ug/L	99
56) Isopropylbenzene	10.16	105	875955	49.704	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	320340	52.062	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	243538	52.322	ug/L	99
61) Bromoform	9.95	173	171250	48.474	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	424079	50.700	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	432336	51.362	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	439049	50.285	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	71898	52.916	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	326562	51.162	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	294787	53.397	ug/L	100
69) Naphthalene	13.74	128	951297	56.061	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	308624	52.643	ug/L	100

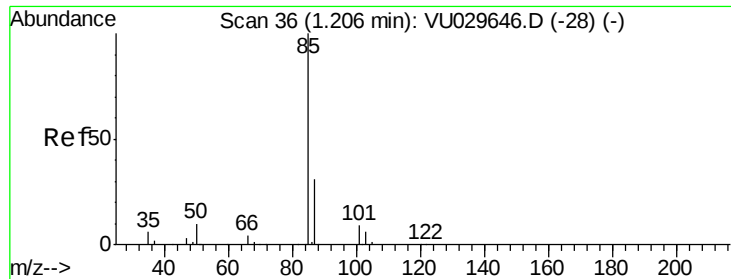
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU029669.D
Acq On : 25 Feb 2019 19:33
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: Feb 26 00:18:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 00:12:24 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 51.091 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

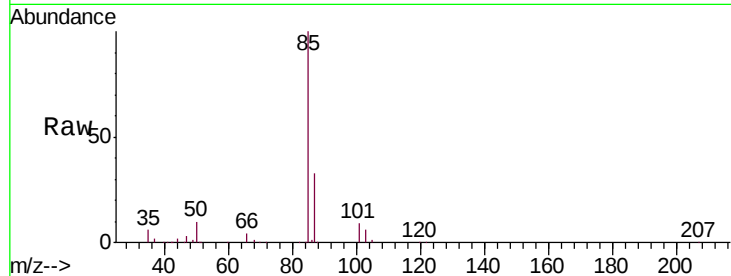
VSTD05057

Tgt Ion: 85 Resp: 167864

Ion Ratio Lower Upper

85 100

87 33.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU029646.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU029646.D (-28) (-)

1.21

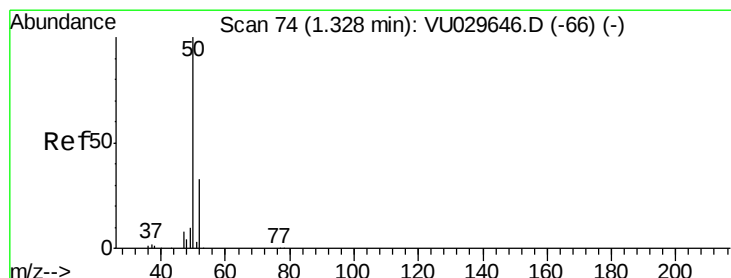
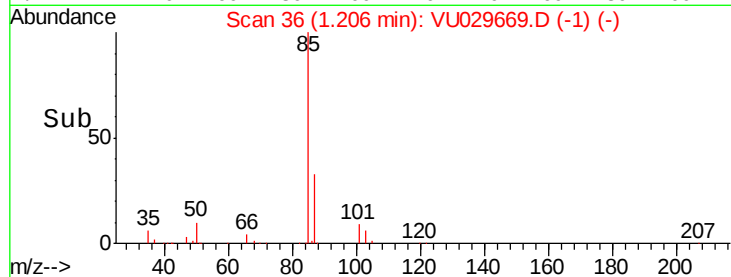
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 54.449 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029669.D

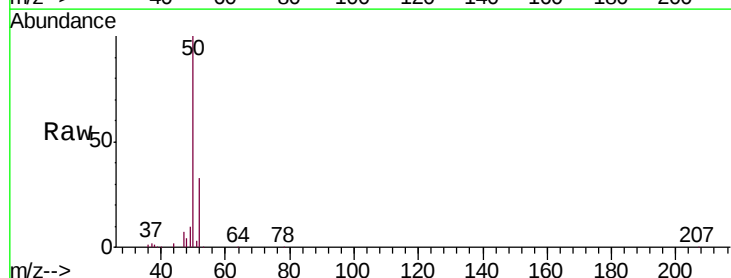
Acq: 25 Feb 2019 19:33

Tgt Ion: 50 Resp: 156942

Ion Ratio Lower Upper

50 100

52 33.0 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU029646.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU029646.D (-66) (-)

1.32

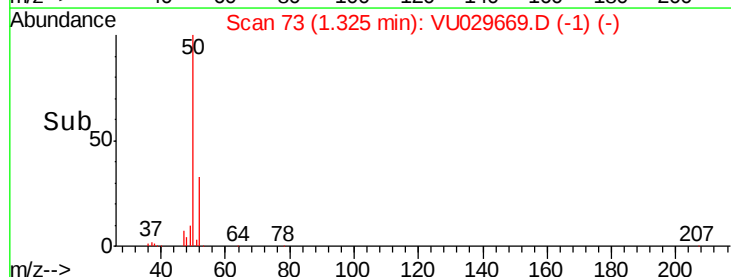
150000

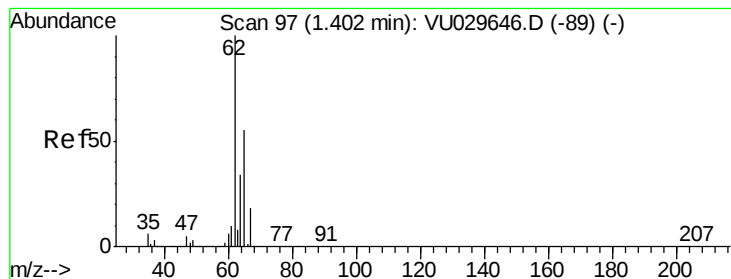
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.037 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

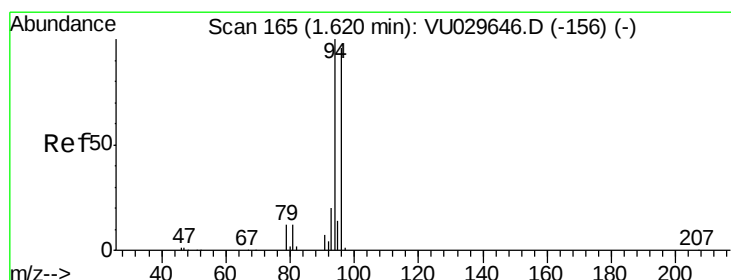
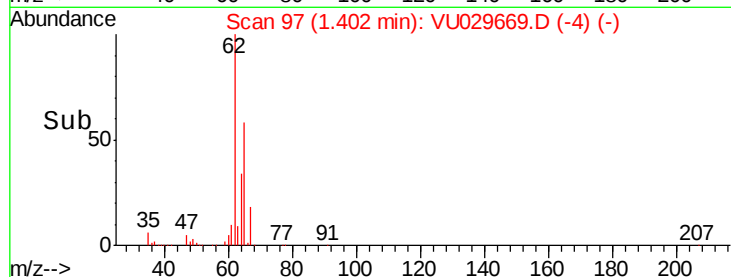
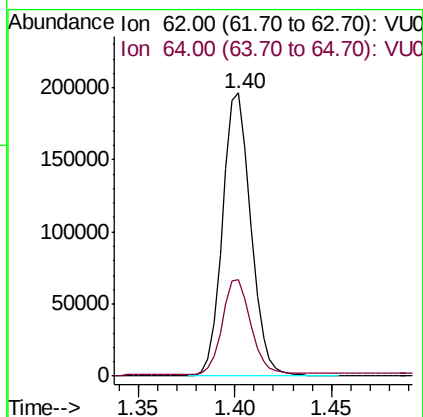
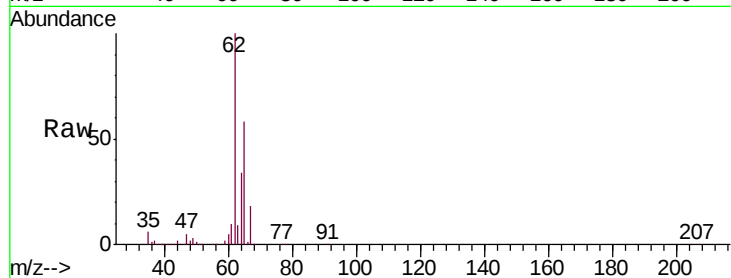
VSTD05057

Tgt Ion: 62 Resp: 199783

Ion Ratio Lower Upper

62 100

64 34.2 23.7 43.9



#6

Bromomethane

Concen: 61.402 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU029669.D

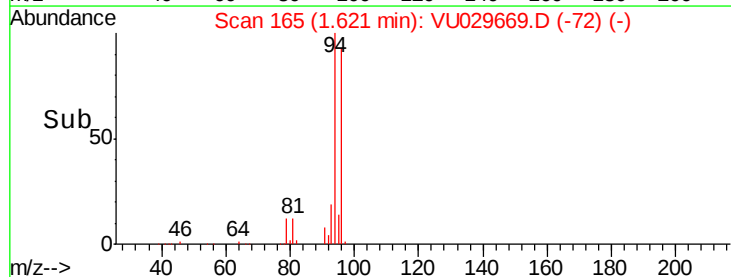
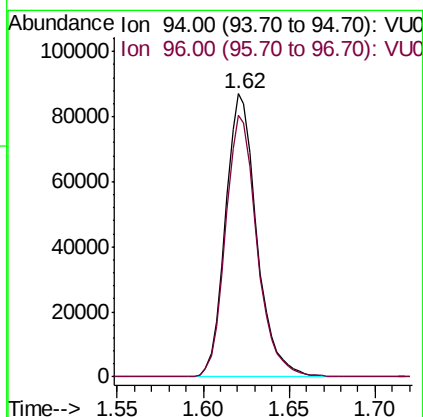
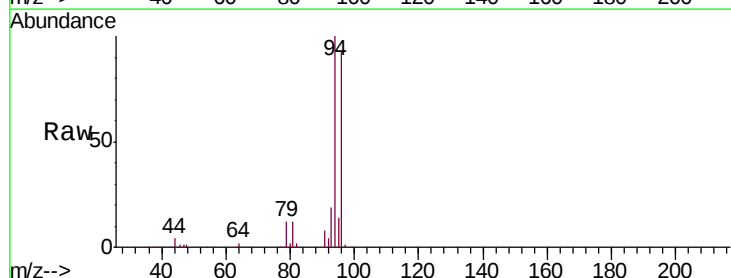
Acq: 25 Feb 2019 19:33

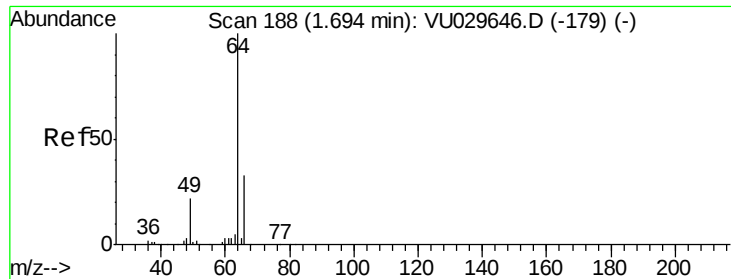
Tgt Ion: 94 Resp: 109696

Ion Ratio Lower Upper

94 100

96 92.6 66.4 123.2

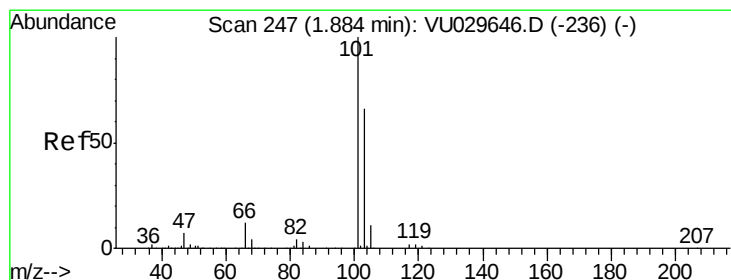
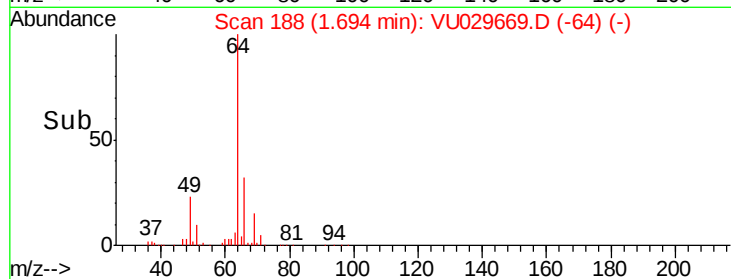
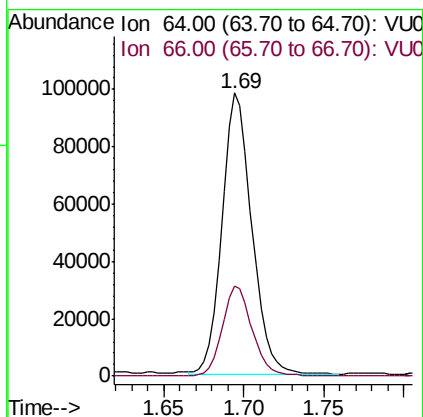
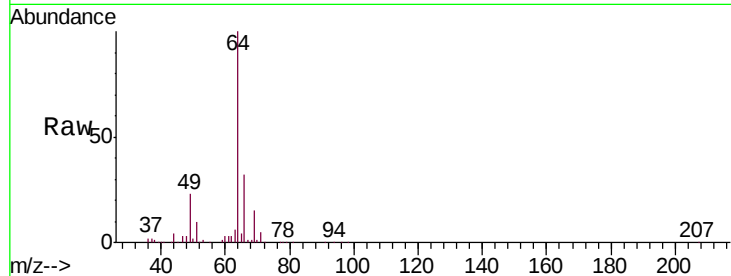




#8
Chloroethane
Concen: 47.888 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

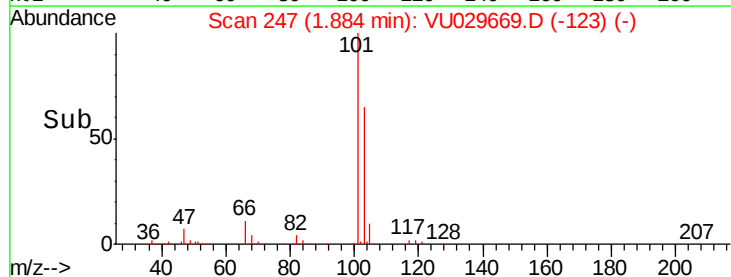
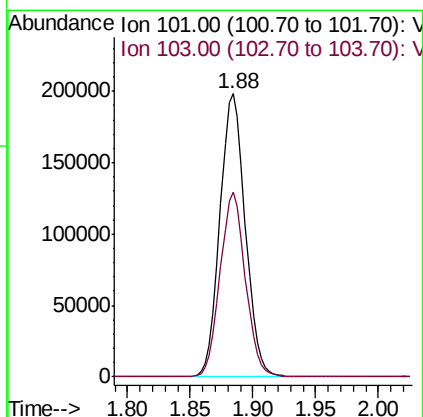
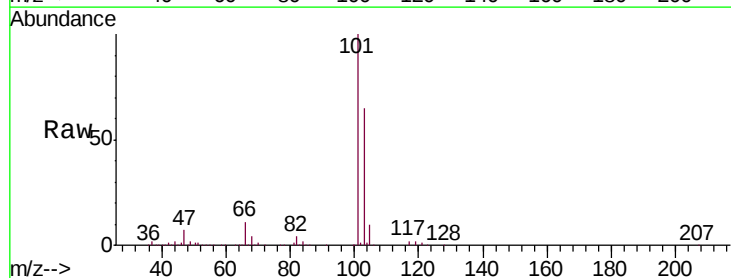
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

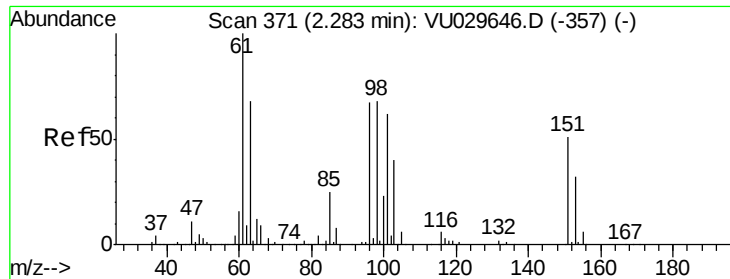
Tgt Ion: 64 Resp: 124682
Ion Ratio Lower Upper
64 100
66 31.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 44.533 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

Tgt Ion: 101 Resp: 277888
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.2





#10

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

Concen: 46.270 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

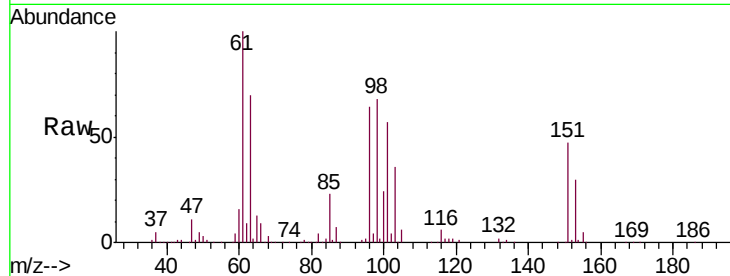
Tgt Ion: 101 Resp: 154442

Ion Ratio Lower Upper

101 100

85 40.9 33.0 49.6

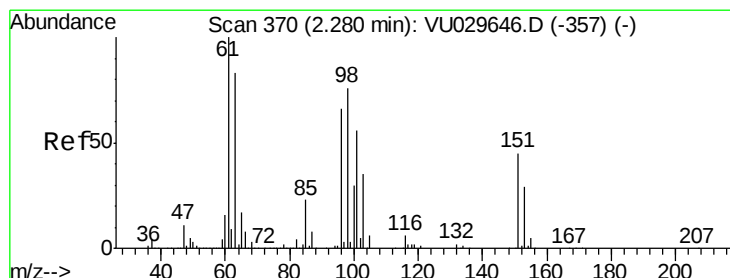
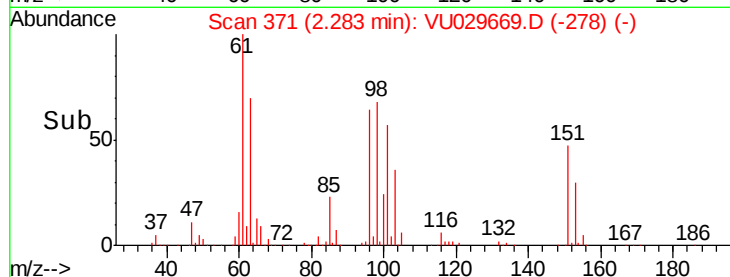
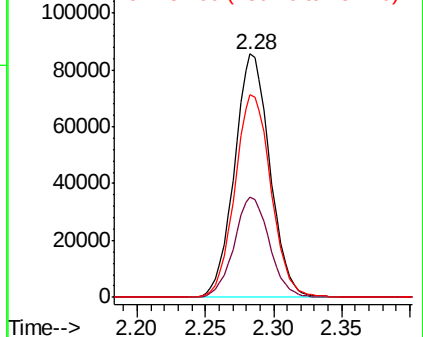
151 84.7 65.7 98.5



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: 47.501 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

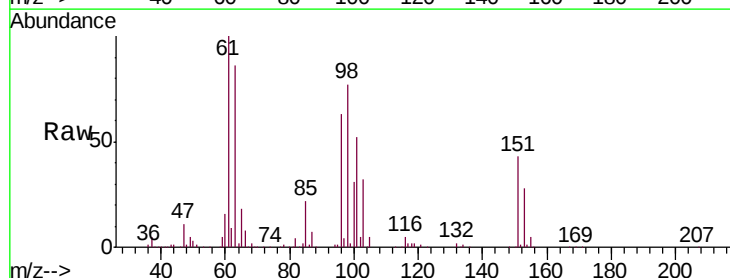
Tgt Ion: 96 Resp: 150733

Ion Ratio Lower Upper

96 100

61 159.7 114.0 211.8

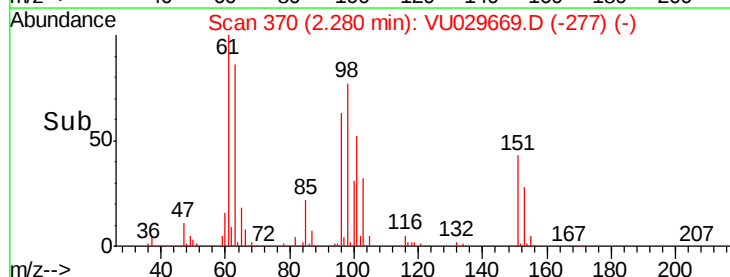
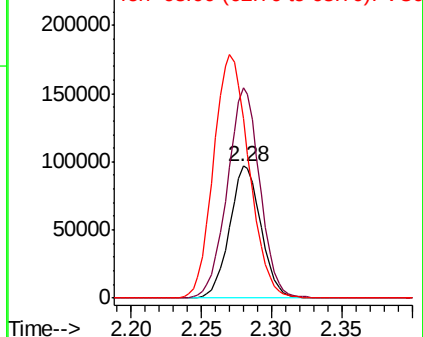
63 136.7 98.7 183.3

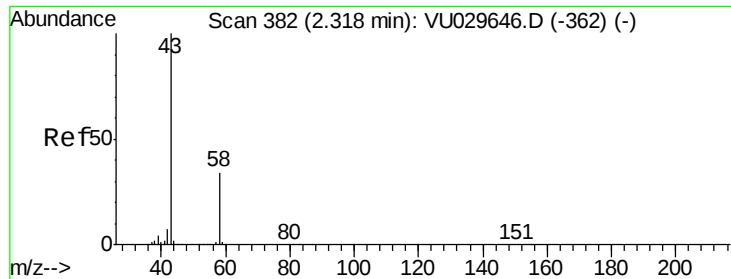


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 73.802 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

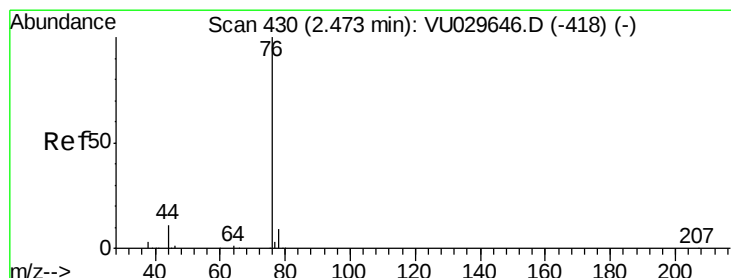
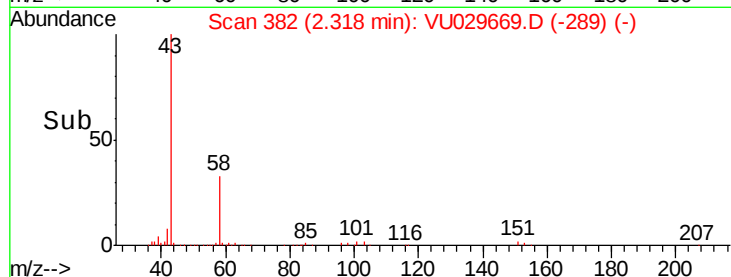
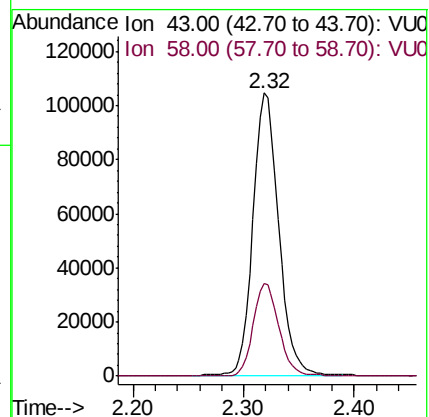
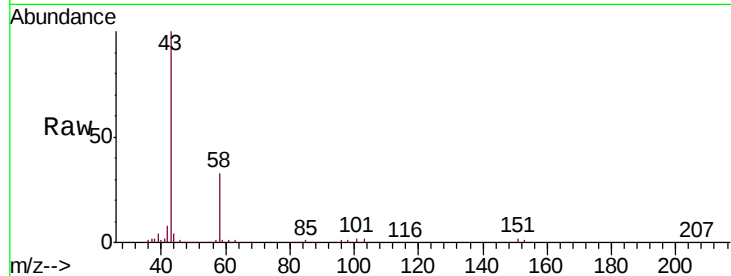
VSTD05057

Tgt Ion: 43 Resp: 168516

Ion Ratio Lower Upper

43 100

58 33.0 0.0 66.8



#14

Carbon disulfide

Concen: 54.506 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029669.D

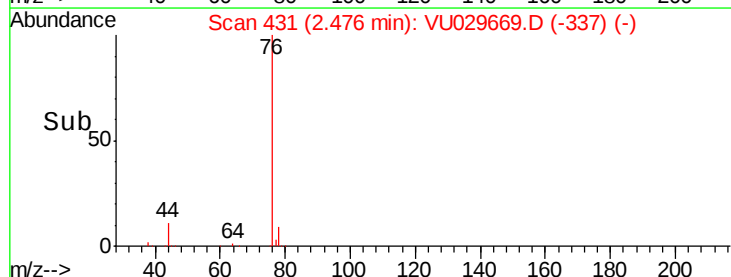
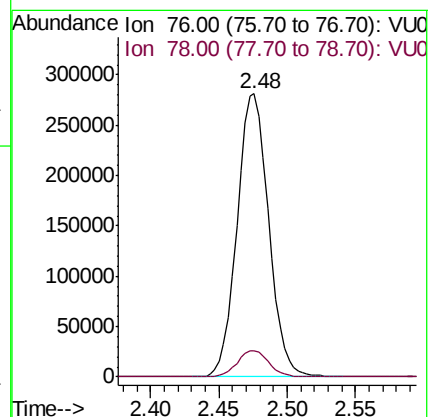
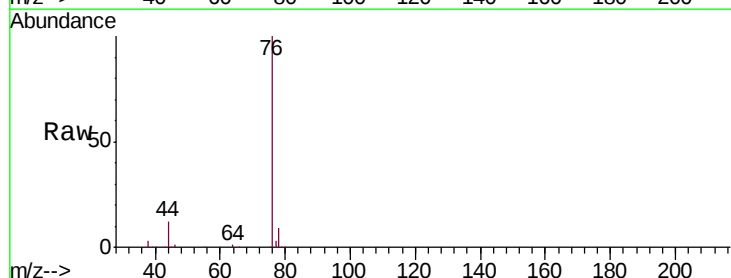
Acq: 25 Feb 2019 19:33

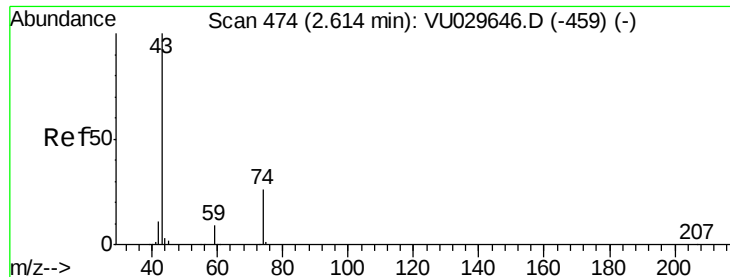
Tgt Ion: 76 Resp: 452983

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2

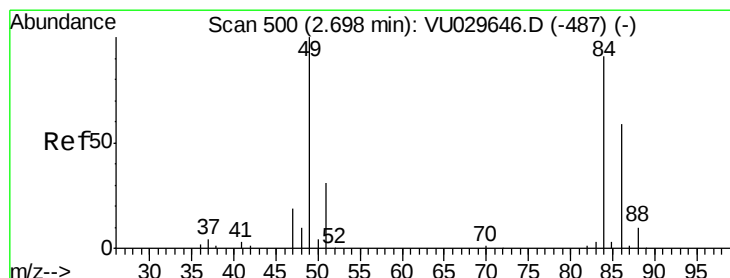
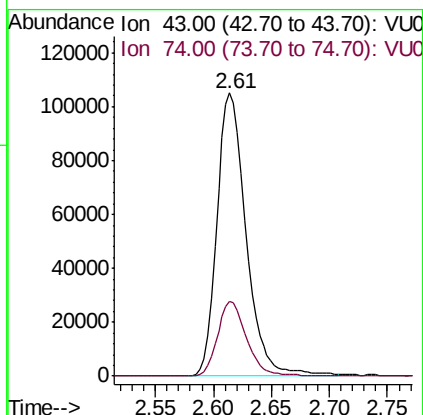
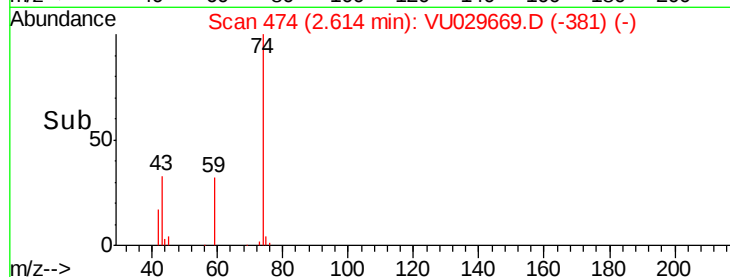
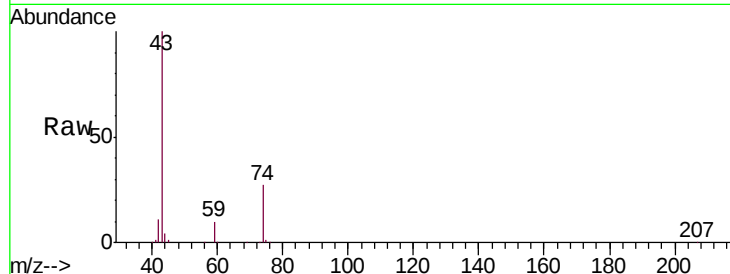




#15
Methyl Acetate
Concen: 61.883 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

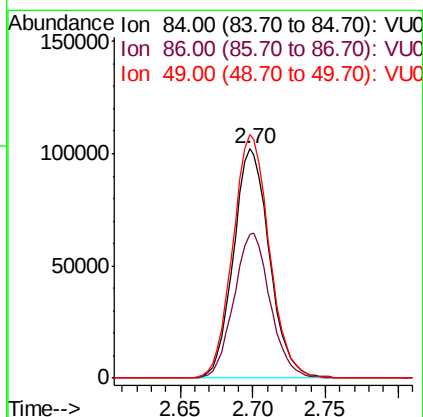
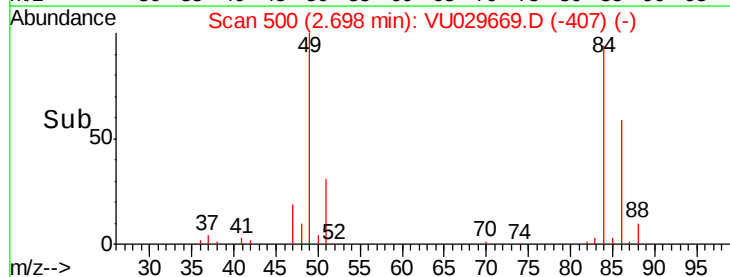
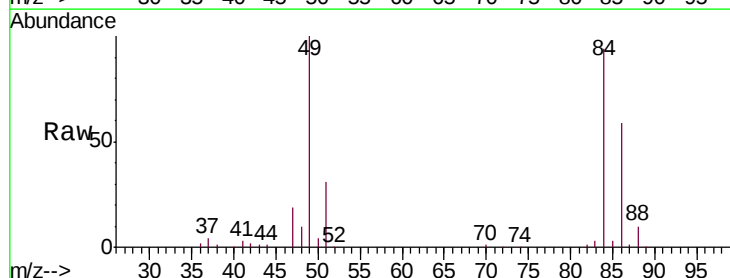
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

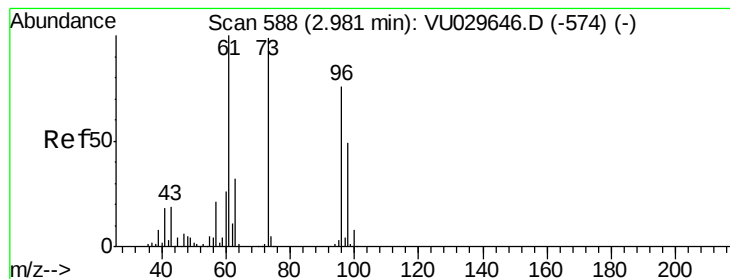
Tgt Ion: 43 Resp: 183403
Ion Ratio Lower Upper
43 100
74 26.4 21.5 32.3



#16
Methylene chloride
Concen: 57.454 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

Tgt Ion: 84 Resp: 176415
Ion Ratio Lower Upper
84 100
86 62.9 45.8 85.0
49 106.2 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 56.106 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

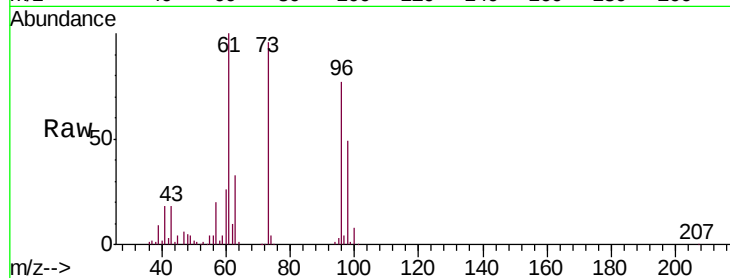
Tgt Ion: 96 Resp: 164326

Ion Ratio Lower Upper

96 100

61 129.6 88.3 163.9

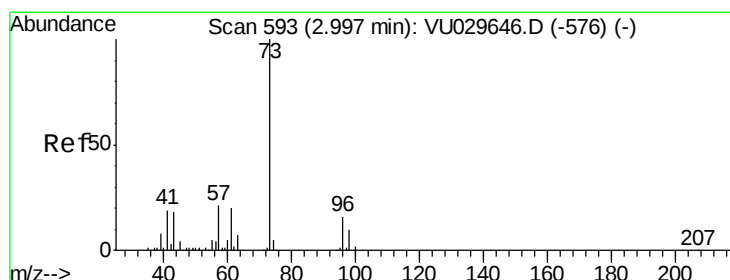
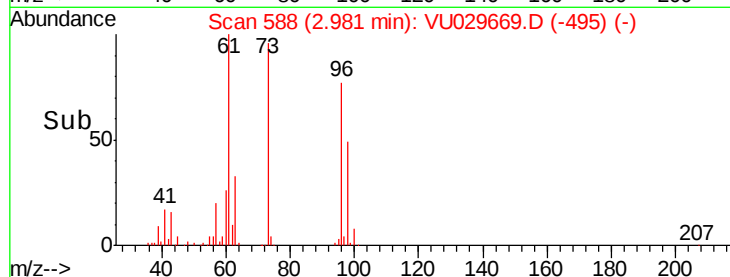
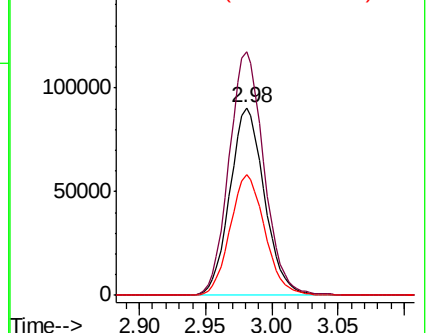
98 64.1 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU029646.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU029646.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU029646.D (-574) (-)



#18

Methyl tert-butyl Ether

Concen: 56.194 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

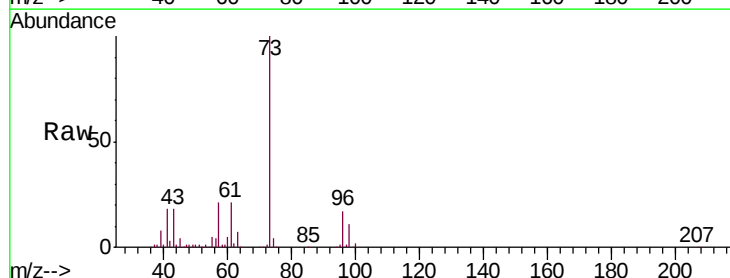
Tgt Ion: 73 Resp: 509547

Ion Ratio Lower Upper

73 100

43 18.1 14.8 22.2

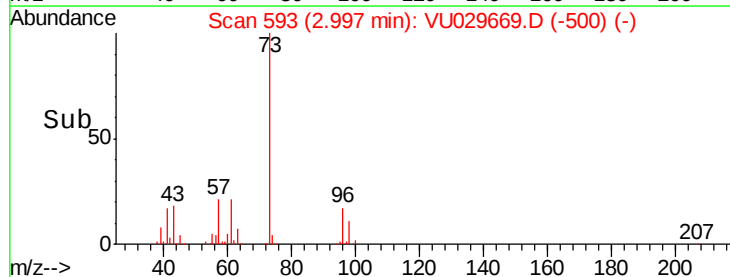
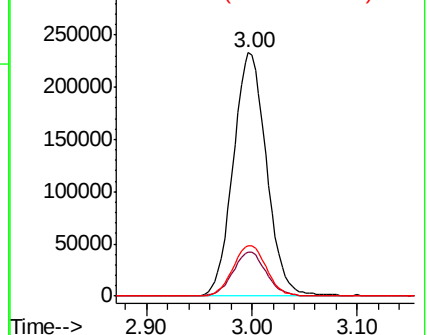
57 20.9 16.5 24.7

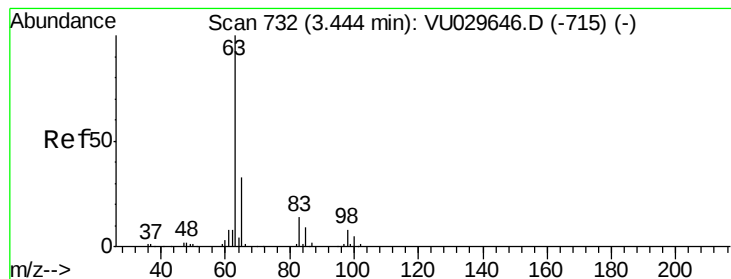


Abundance Ion 73.00 (72.70 to 73.70): VU029646.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU029646.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU029646.D (-576) (-)





#19

1,1-Dichloroethane

Concen: 57.275 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

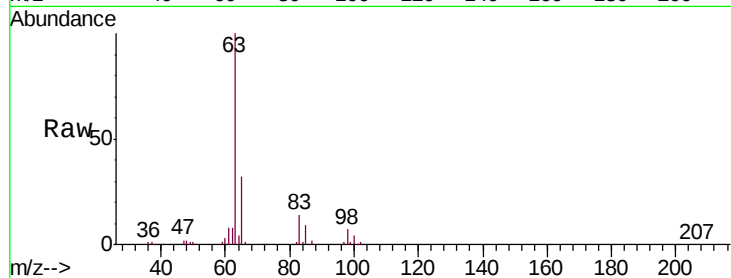
Tgt Ion: 63 Resp: 290064

Ion Ratio Lower Upper

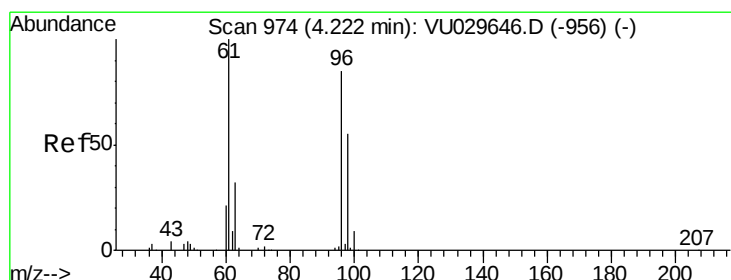
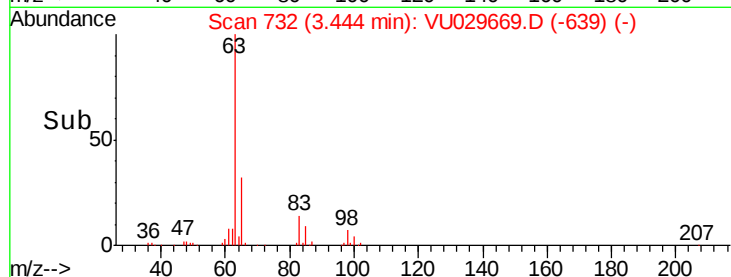
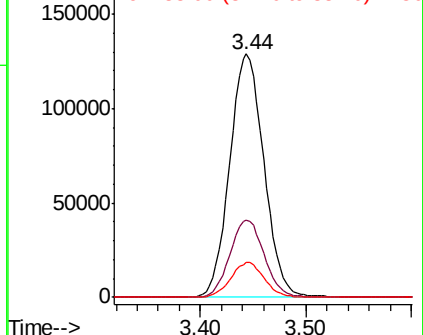
63 100

65 31.8 22.3 41.3

83 14.2 9.9 18.3



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: 56.210 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

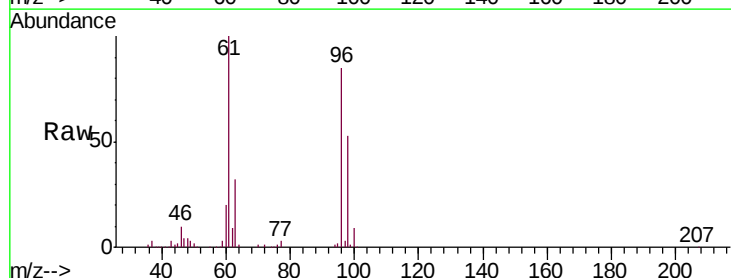
Tgt Ion: 96 Resp: 191295

Ion Ratio Lower Upper

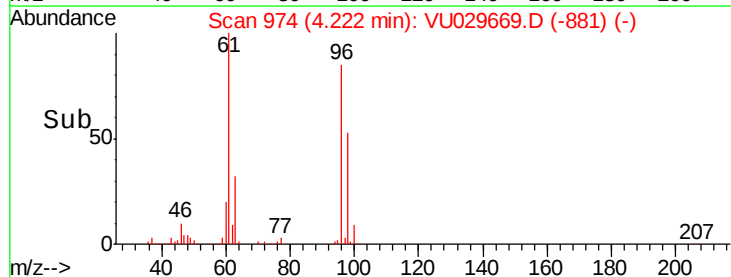
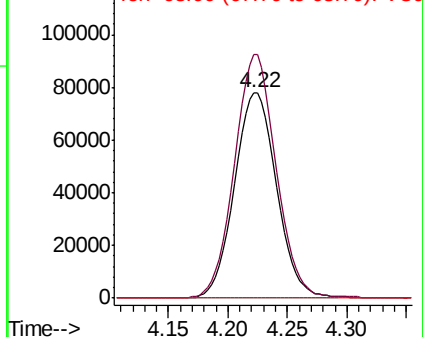
96 100

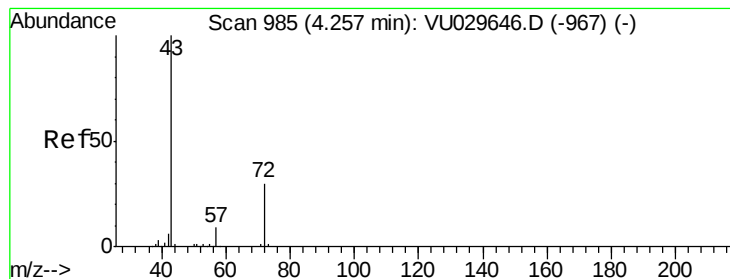
61 118.3 83.9 155.7

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: 100.331 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

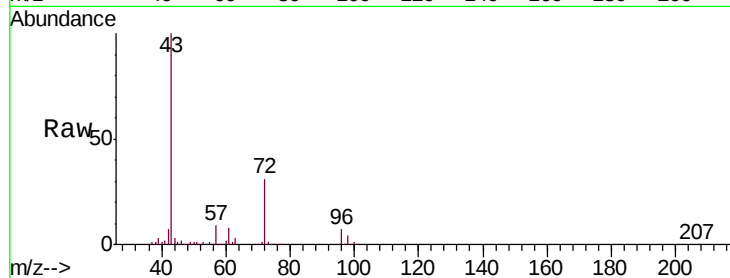
VSTD05057

Tgt Ion: 43 Resp: 261448

Ion Ratio Lower Upper

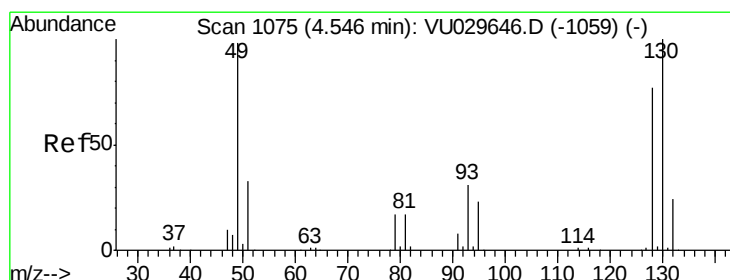
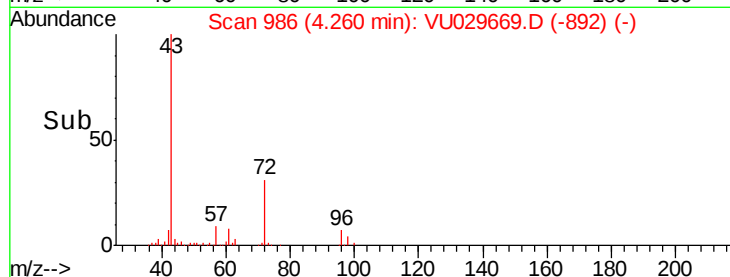
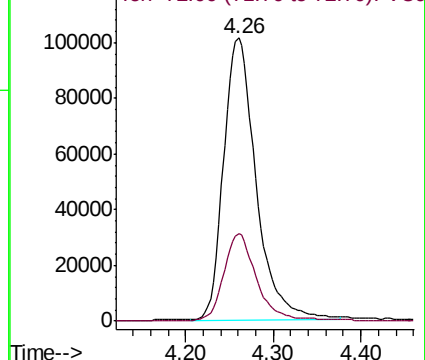
43 100

72 30.9 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029646.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU029646.D (-967) (-)



#23

Bromochloromethane

Concen: 54.515 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Tgt Ion: 128 Resp: 101703

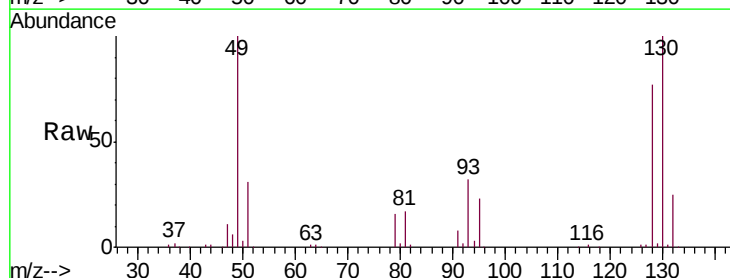
Ion Ratio Lower Upper

128 100

49 129.1 85.9 159.5

130 128.9 91.3 169.5

51 40.0 32.2 48.2

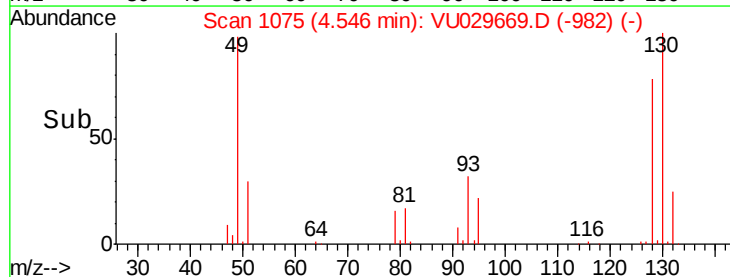
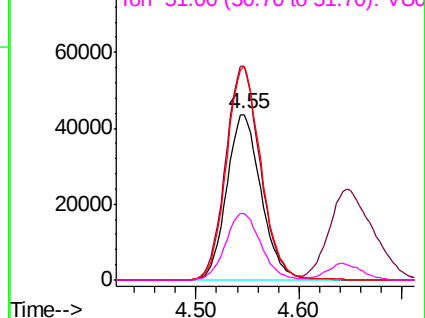


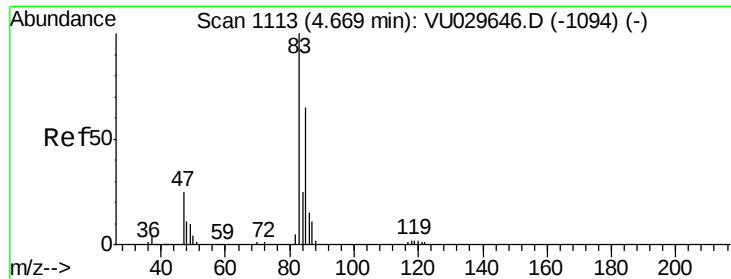
Abundance Ion 128.00 (127.70 to 128.70): VU029646.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU029646.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU029646.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU029646.D (-1059) (-)

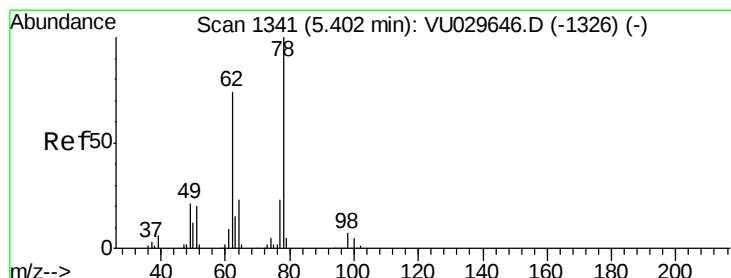
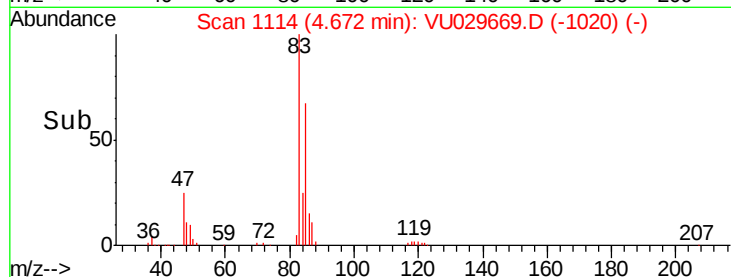
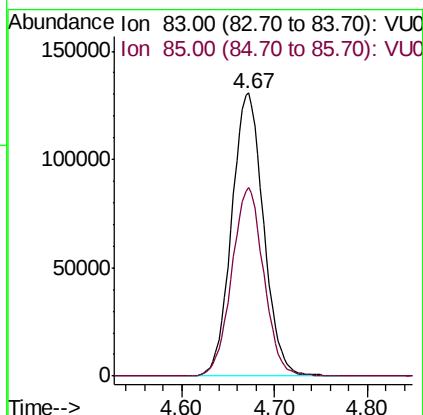
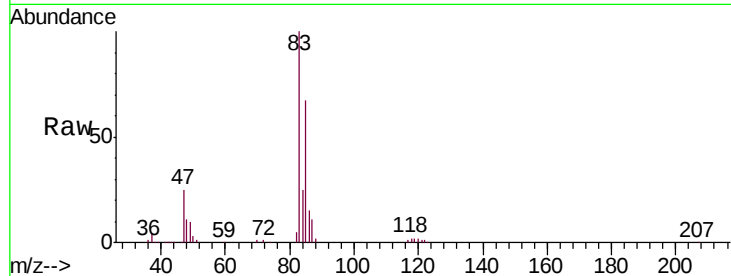




#25
Chloroform
Concen: 55.126 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

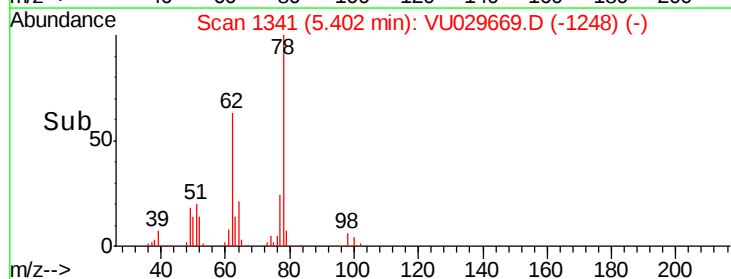
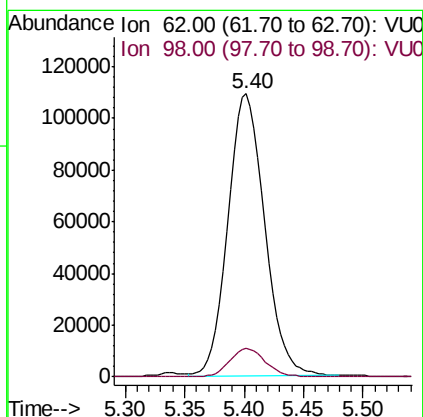
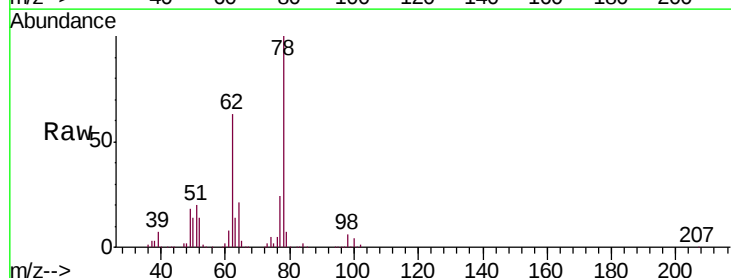
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

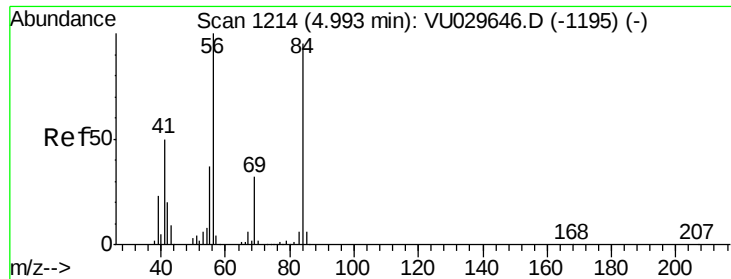
Tgt Ion: 83 Resp: 311490
Ion Ratio Lower Upper
83 100
85 66.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 53.750 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

Tgt Ion: 62 Resp: 233508
Ion Ratio Lower Upper
62 100
98 10.1 7.8 11.8

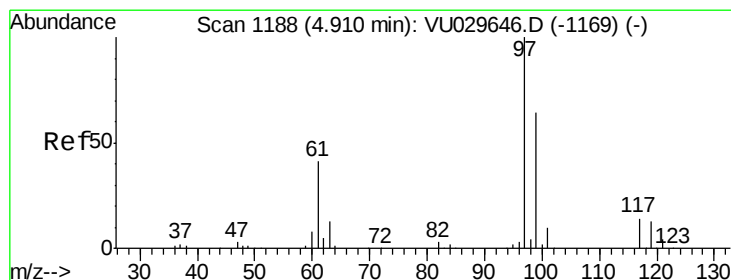
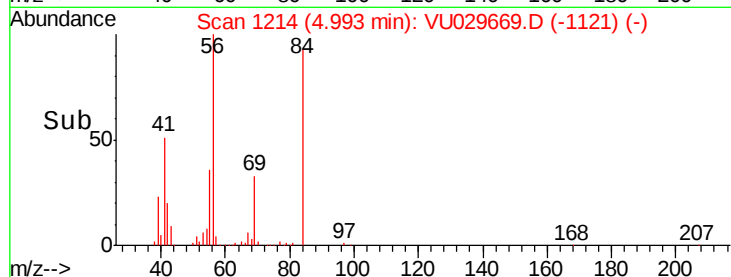
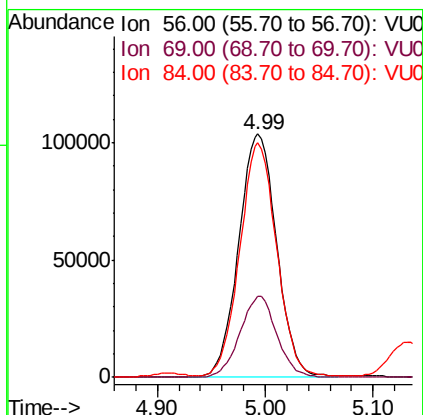
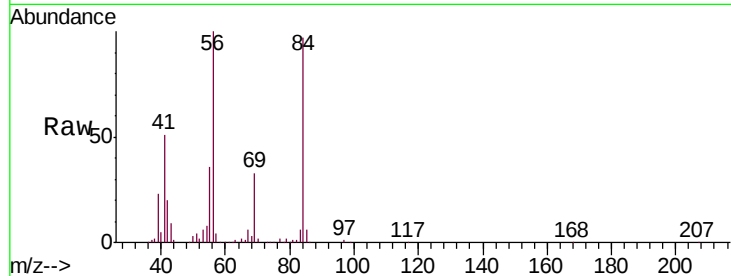




#29
Cyclohexane
Concen: 52.774 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

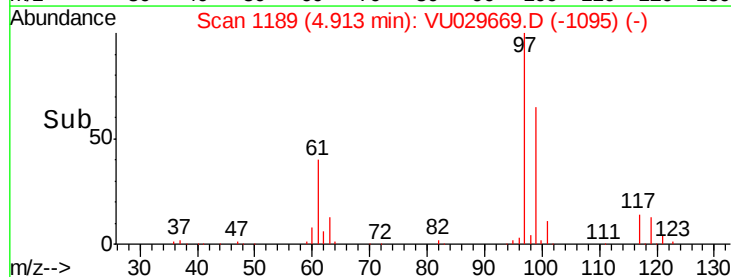
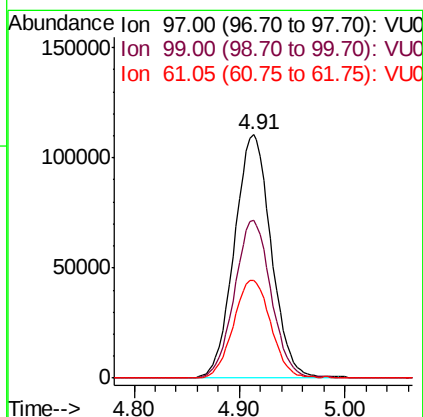
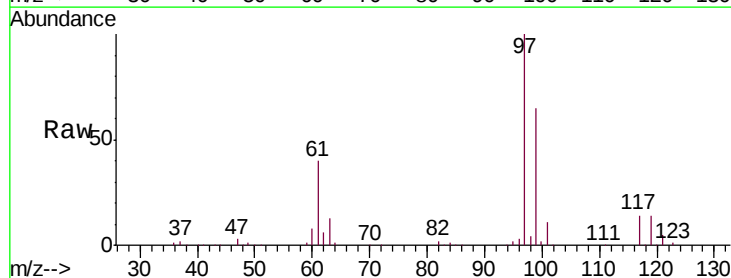
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

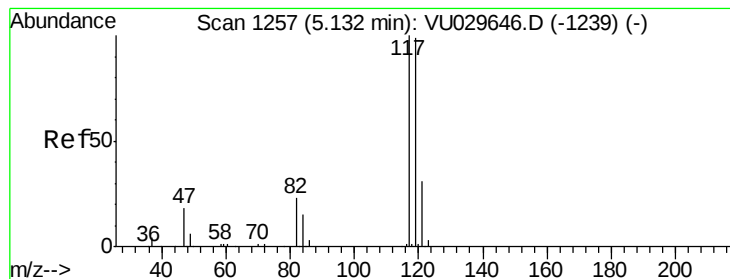
Tgt Ion: 56 Resp: 253323
Ion Ratio Lower Upper
56 100
69 32.3 25.7 38.5
84 94.1 77.1 115.7



#30
1,1,1-Trichloroethane
Concen: 52.072 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

Tgt Ion: 97 Resp: 267808
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.0
61 40.8 32.3 48.5





#31

Carbon tetrachloride

Concen: 49.955 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

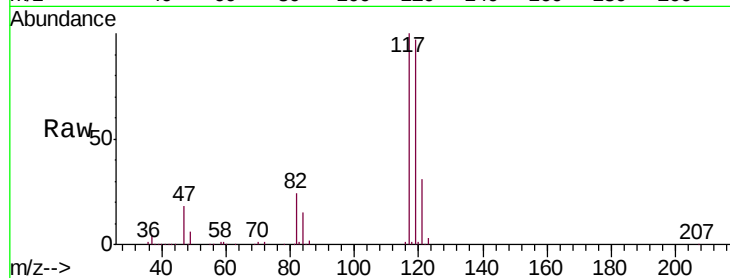
VSTD05057

Tgt Ion:117 Resp: 232539

Ion Ratio Lower Upper

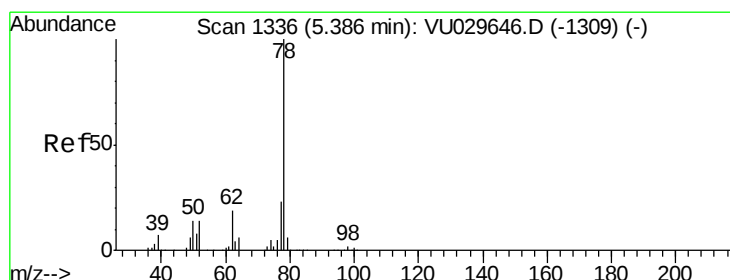
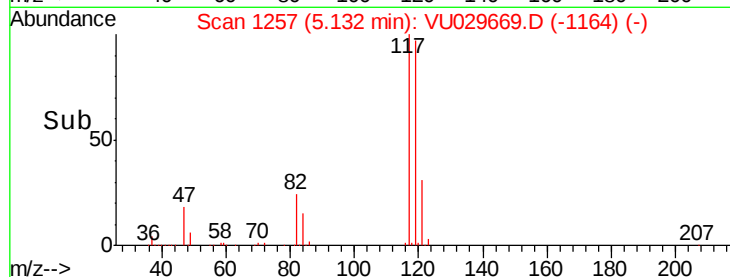
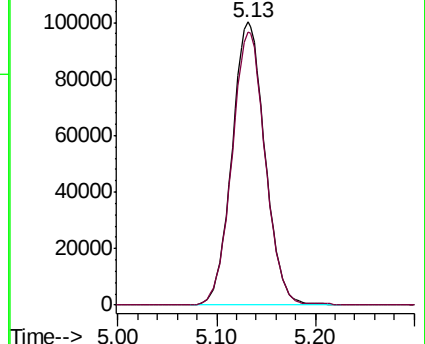
117 100

119 97.2 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.731 ug/L

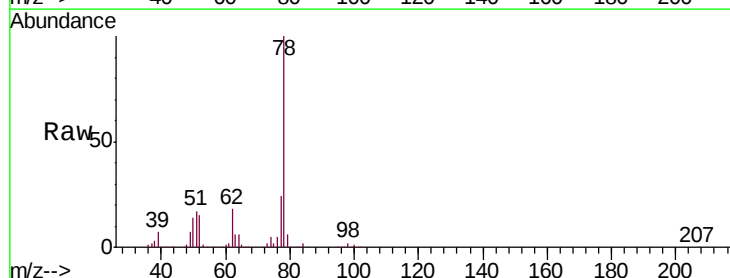
RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

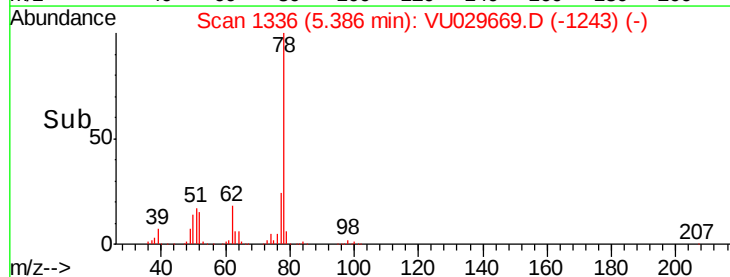
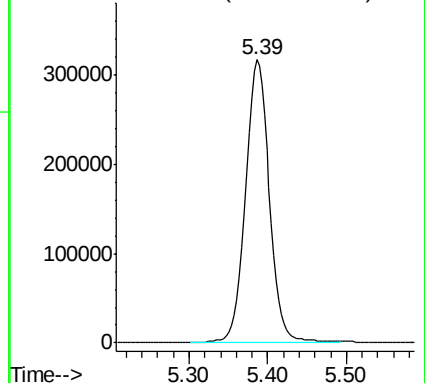
Lab File: VU029669.D

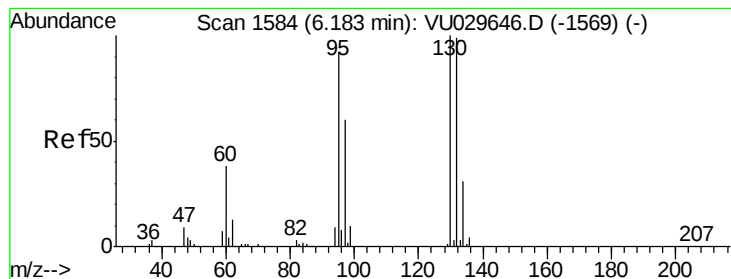
Acq: 25 Feb 2019 19:33

Tgt Ion: 78 Resp: 680640



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 53.477 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

Tgt Ion: 95 Resp: 179154

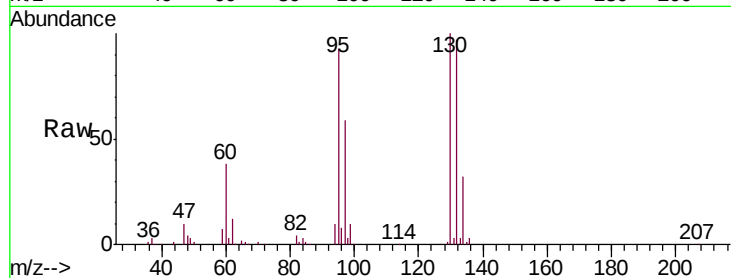
Ion Ratio Lower Upper

95 100

97 63.7 44.6 82.8

132 103.9 74.6 138.6

130 107.1 77.2 143.4

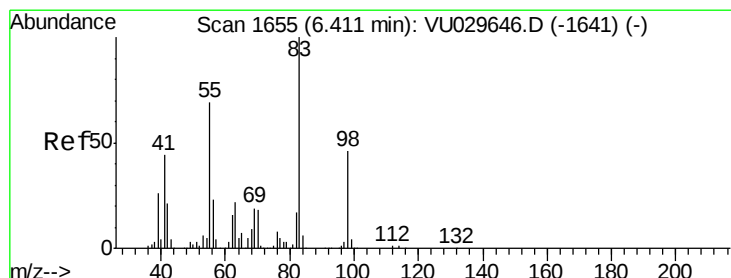
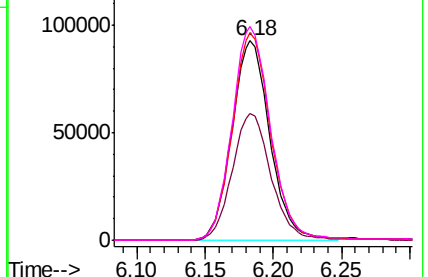
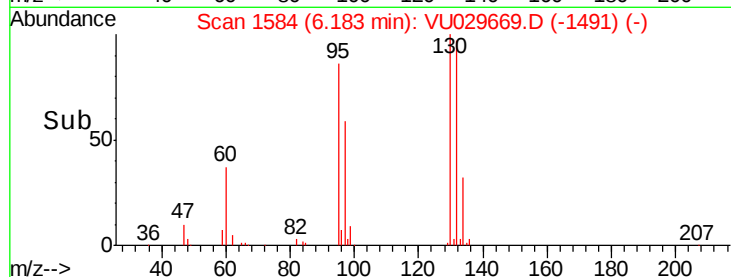


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 50.724 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

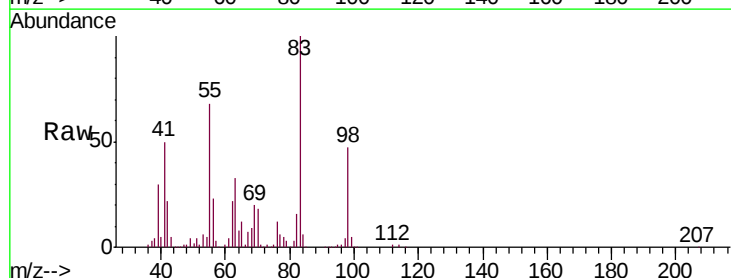
Tgt Ion: 83 Resp: 282210

Ion Ratio Lower Upper

83 100

55 69.0 55.2 82.8

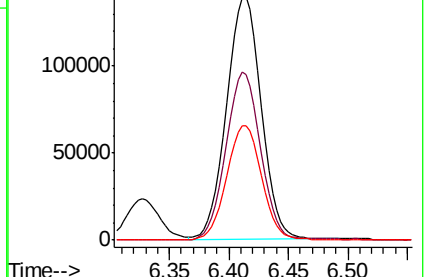
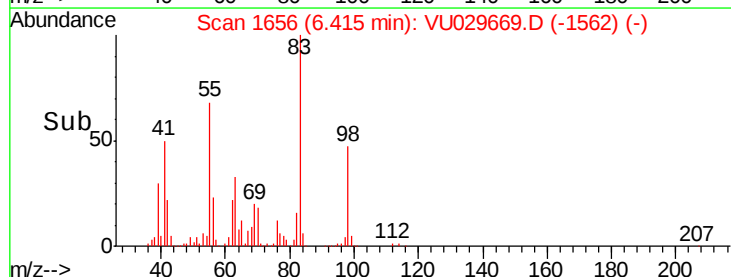
98 47.7 39.4 59.2

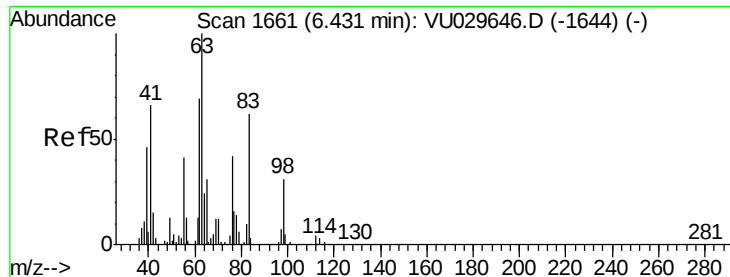


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

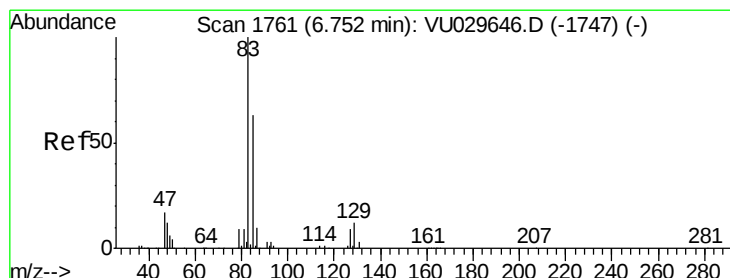
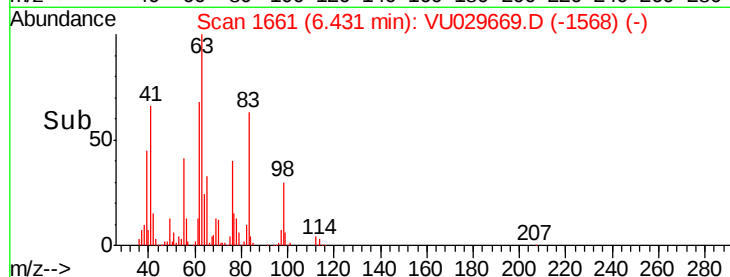
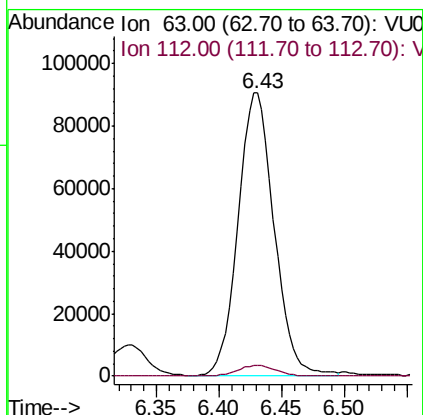
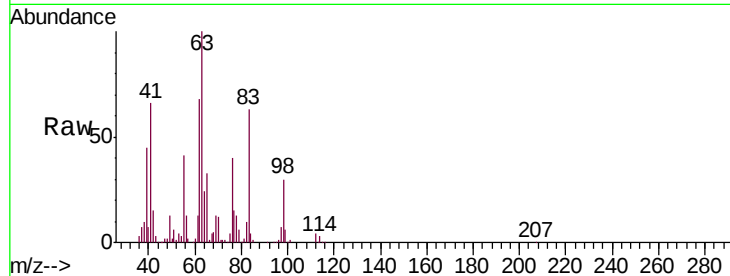




#37
 1,2-Dichloropropane
 Concen: 55.158 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

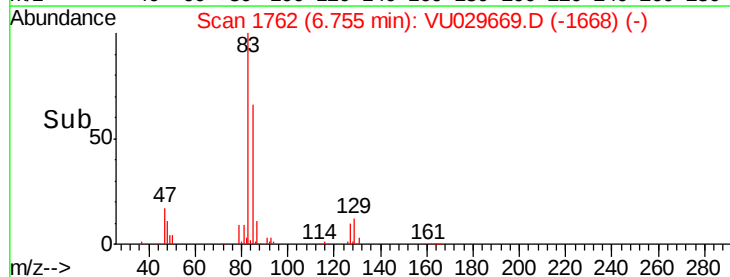
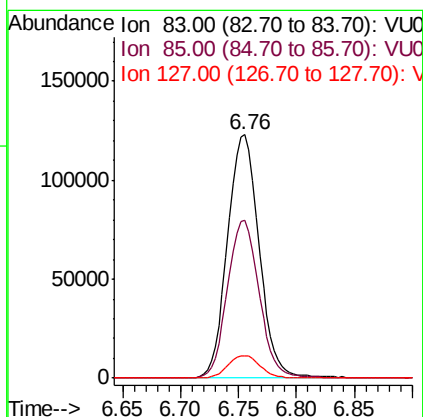
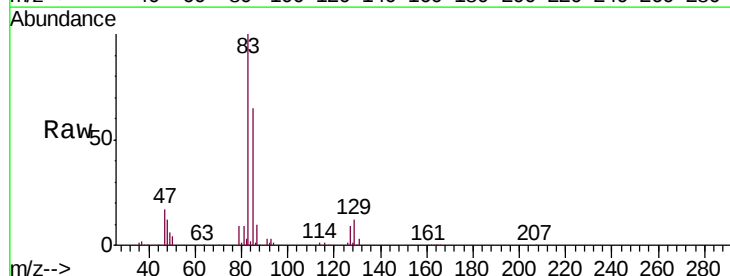
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

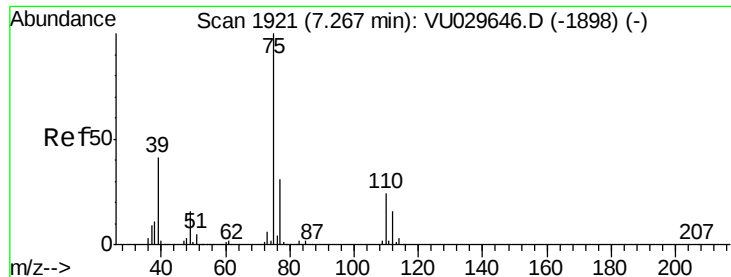
Tgt Ion: 63 Resp: 180066
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 52.599 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

Tgt Ion: 83 Resp: 231490
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.2 82.0
 127 9.3 8.3 12.5

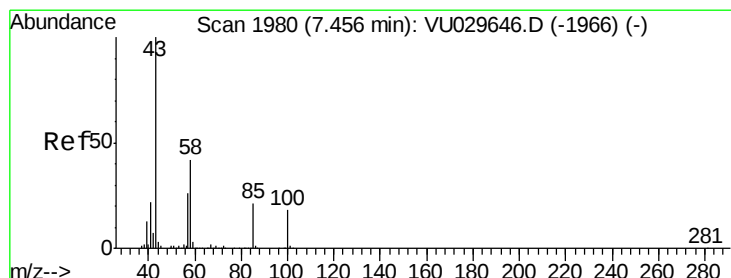
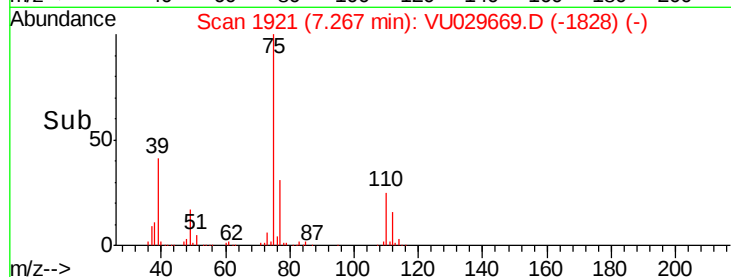
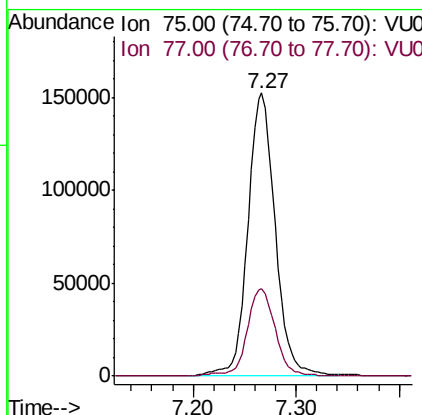
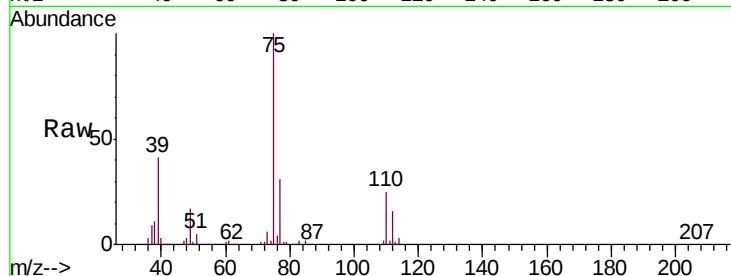




#39
 cis-1,3-Dichloropropene
 Concen: 53.265 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

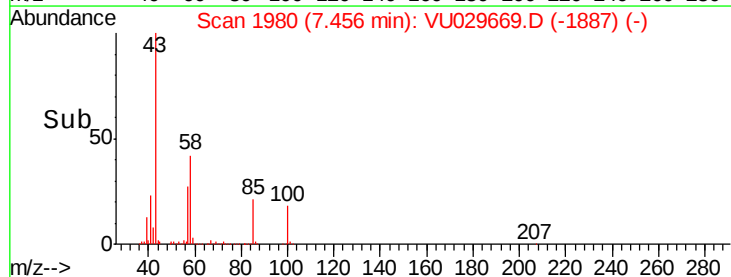
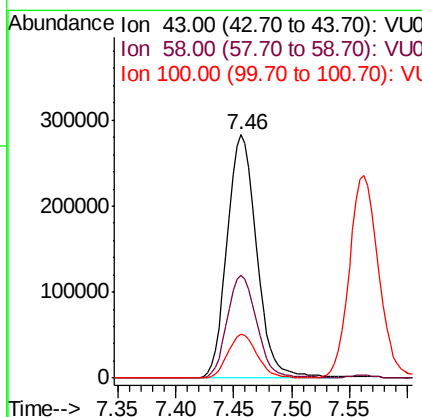
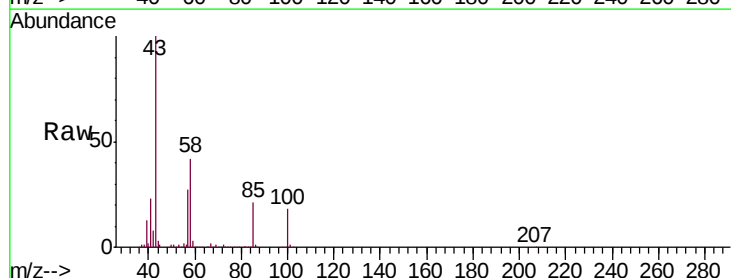
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

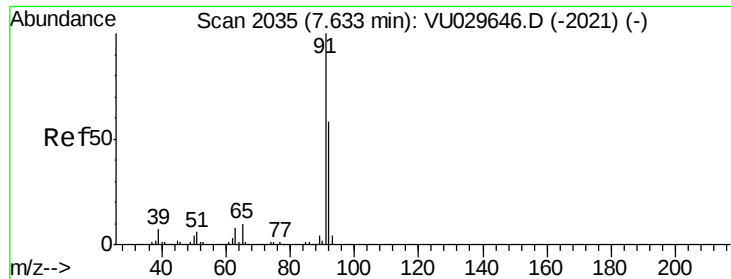
Tgt Ion: 75 Resp: 280547
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 108.845 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

Tgt Ion: 43 Resp: 499666
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.0 49.4
 100 17.9 14.5 21.7





#42

Toluene

Concen: 52.211 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

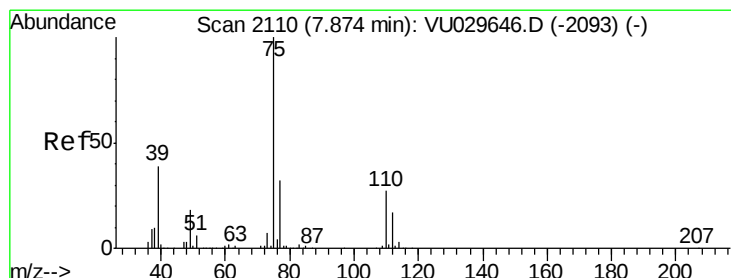
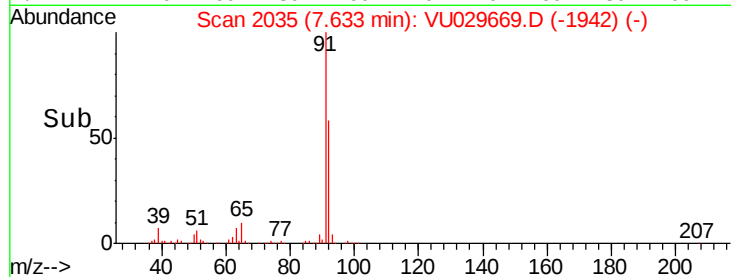
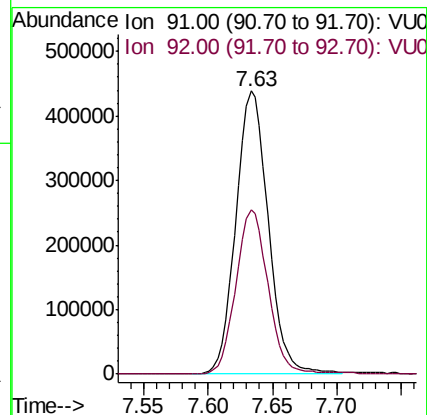
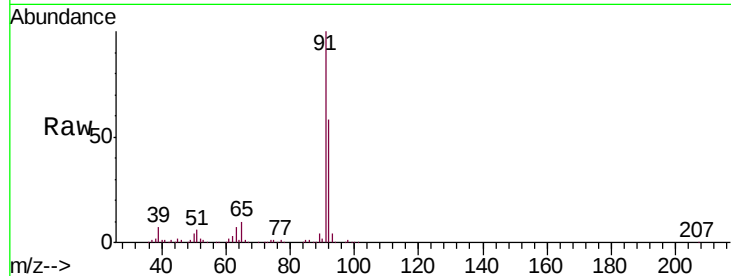
VSTD05057

Tgt Ion: 91 Resp: 767851

Ion Ratio Lower Upper

91 100

92 58.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 51.139 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029669.D

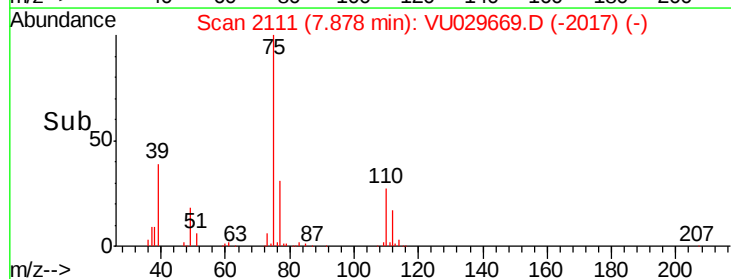
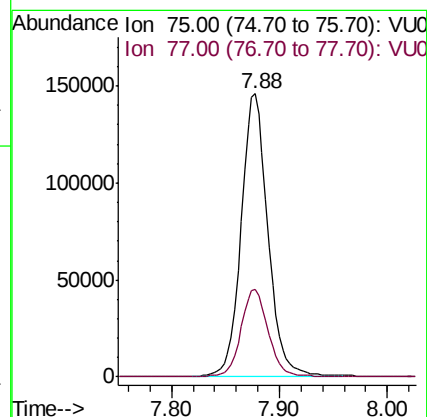
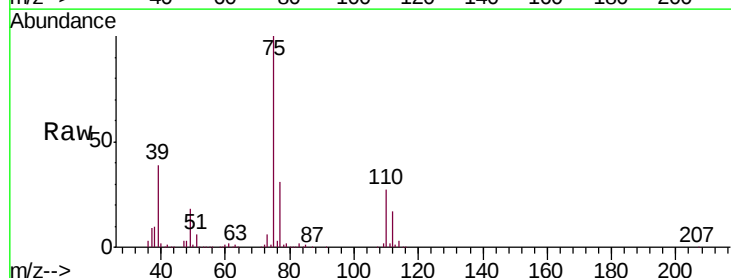
Acq: 25 Feb 2019 19:33

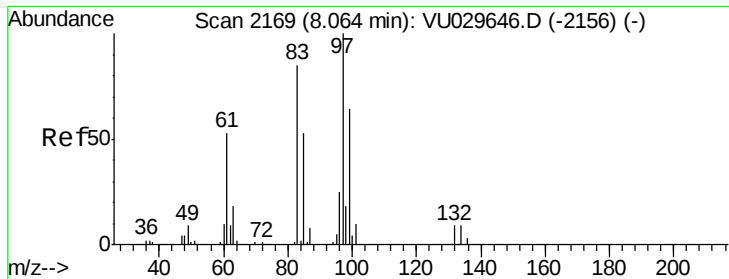
Tgt Ion: 75 Resp: 253842

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1

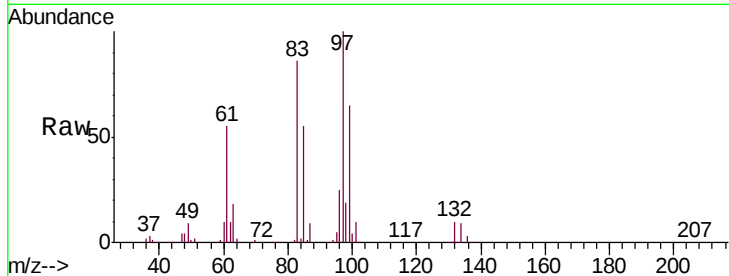




#45
 1,1,2-Trichloroethane
 Concen: 52.734 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion:	97	Resp:	183493
Ion	Ratio	Lower	Upper
97	100		
99	64.7	43.8	81.3
83	85.5	57.7	107.1
85	55.3	38.5	71.5



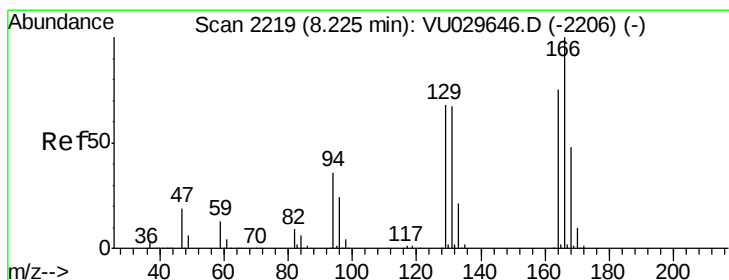
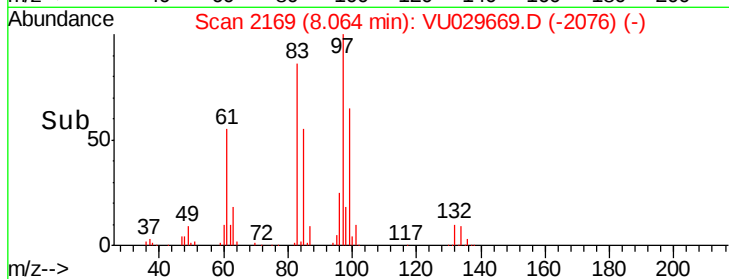
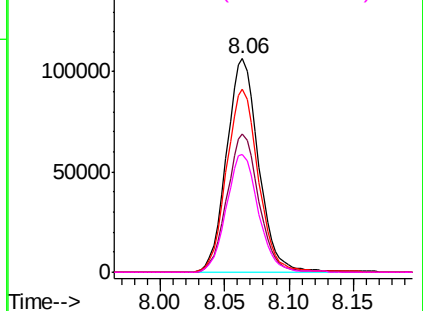
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

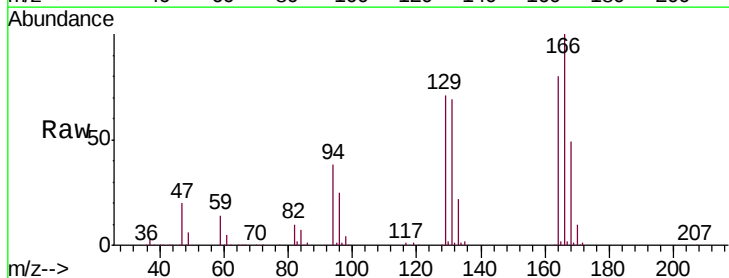
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 49.350 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

Tgt Ion:	164	Resp:	161821
Ion	Ratio	Lower	Upper
164	100		
129	88.7	62.1	115.3
131	86.4	60.1	111.5
166	125.2	89.7	166.5



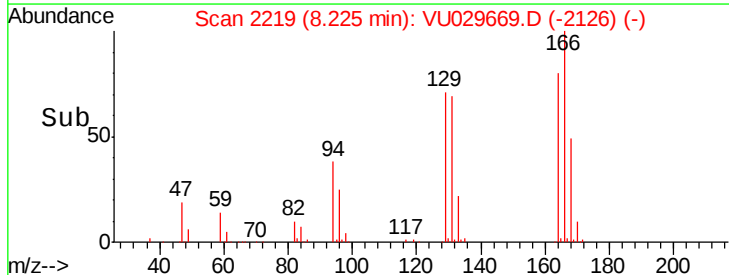
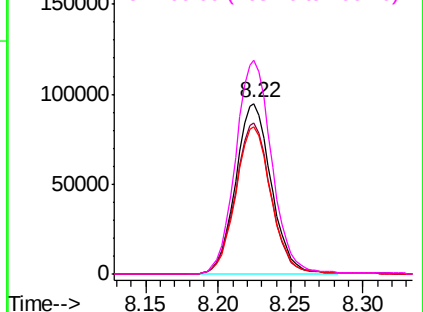
Abundance

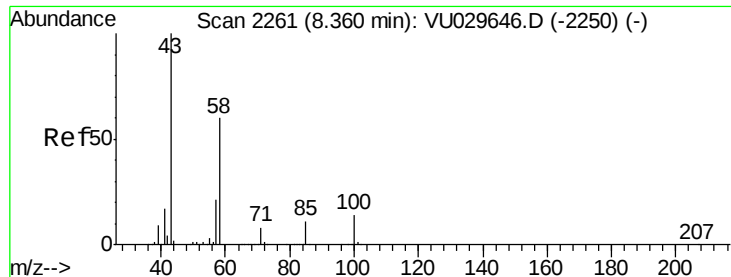
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

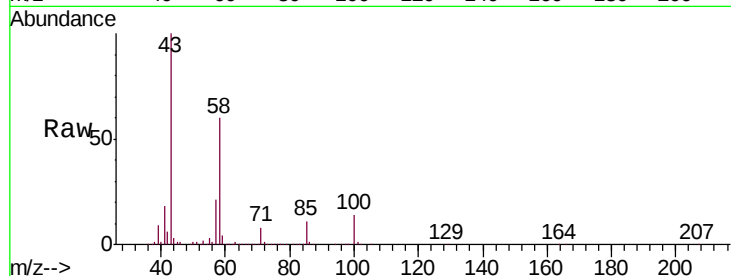




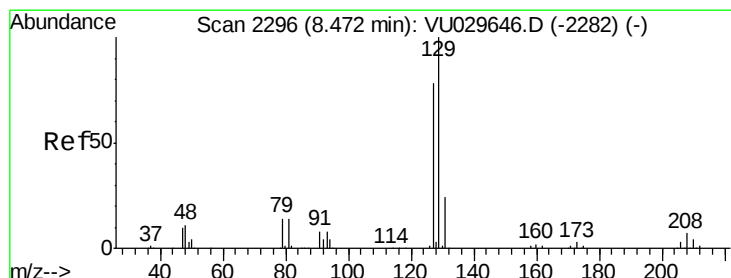
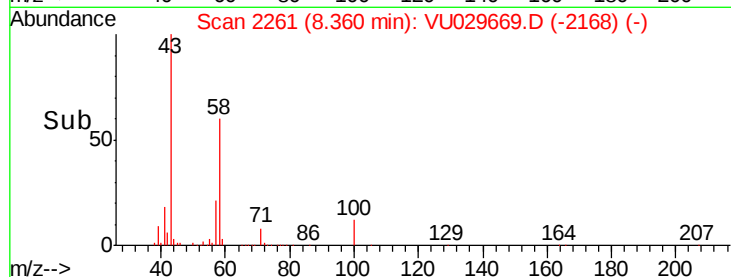
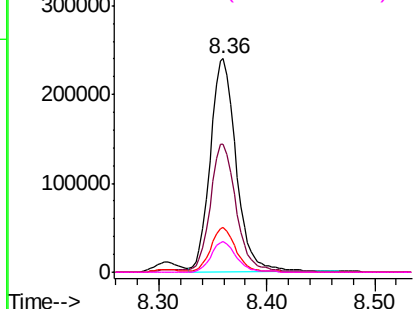
#48
2-Hexanone
Concen: 100.091 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion: 43 Resp: 401394
Ion Ratio Lower Upper
43 100
58 59.3 46.4 69.6
57 20.4 15.7 23.5
100 14.0 10.9 16.3

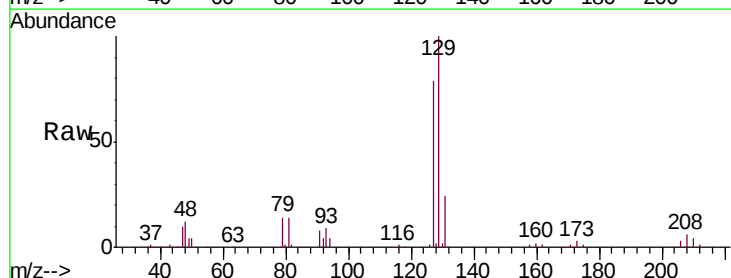


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

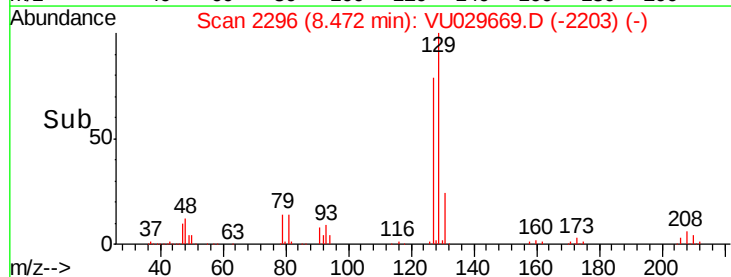
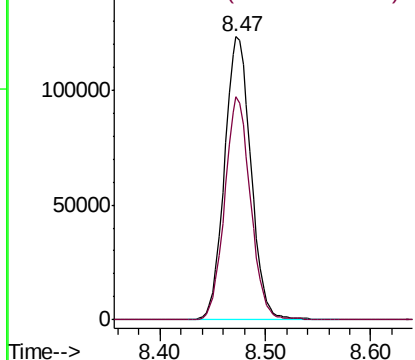


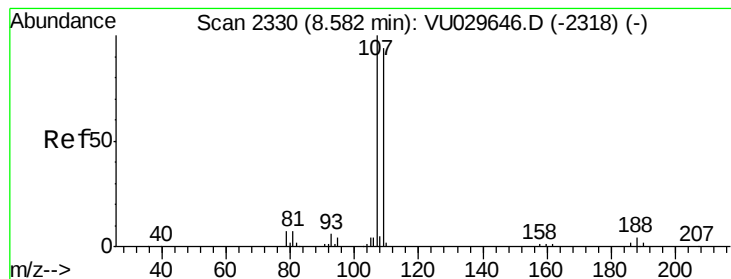
#49
Dibromochloromethane
Concen: 50.482 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029669.D
Acq: 25 Feb 2019 19:33

Tgt Ion: 129 Resp: 212950
Ion Ratio Lower Upper
129 100
127 78.9 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 52.505 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

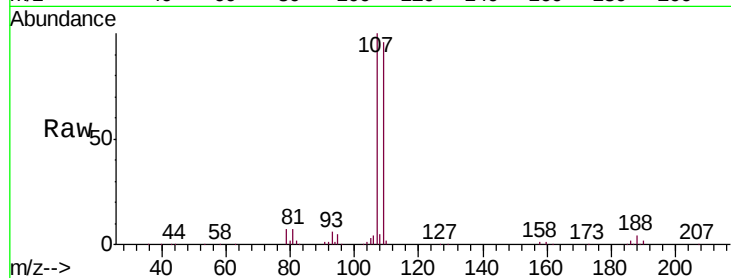
Tgt Ion:107 Resp: 202412

Ion Ratio Lower Upper

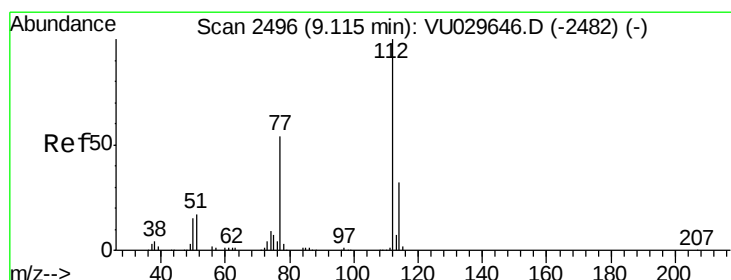
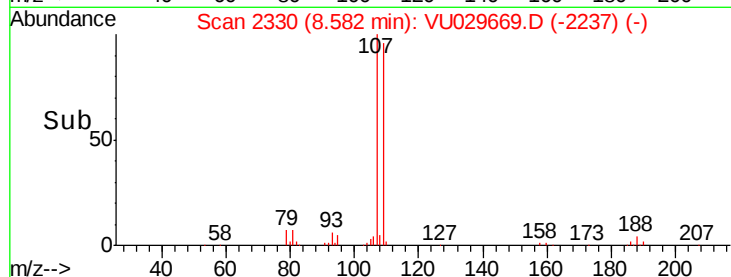
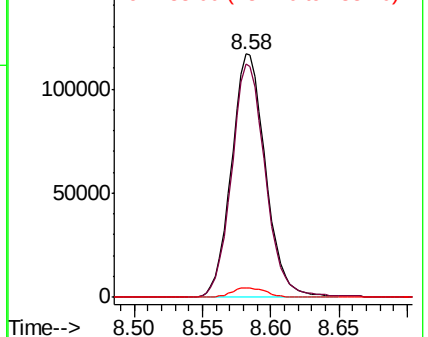
107 100

109 95.6 66.4 123.4

188 3.9 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.572 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

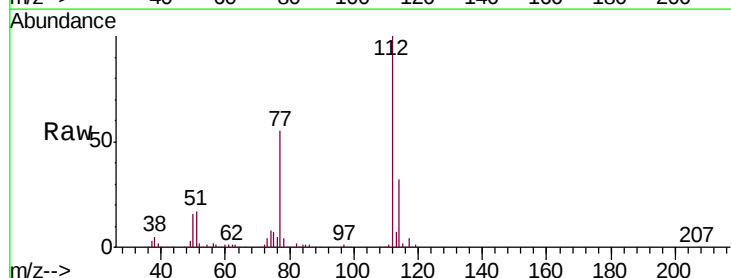
Tgt Ion:112 Resp: 520574

Ion Ratio Lower Upper

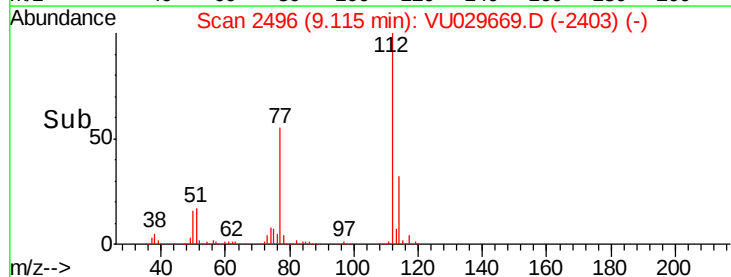
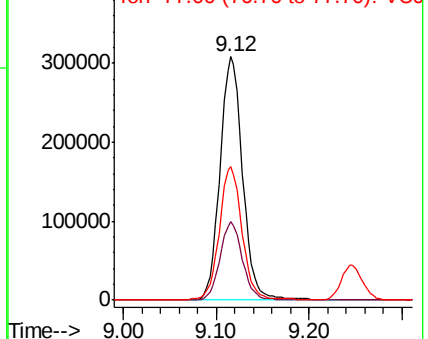
112 100

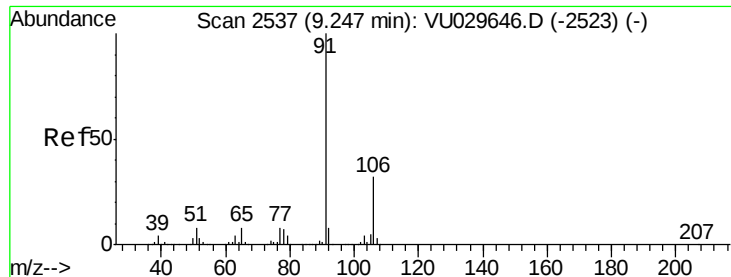
114 32.0 22.7 42.1

77 54.6 42.1 63.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.755 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

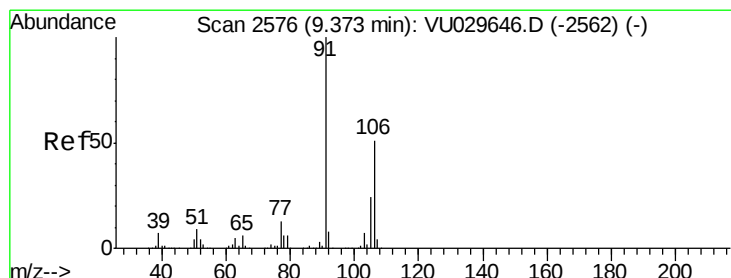
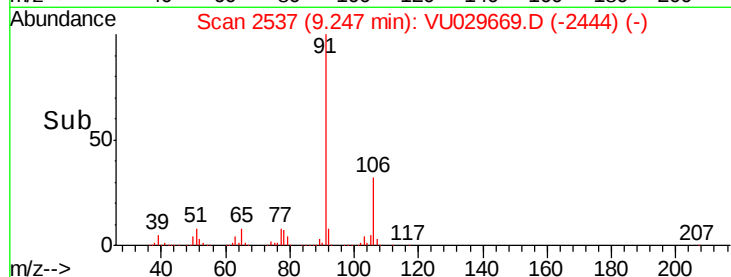
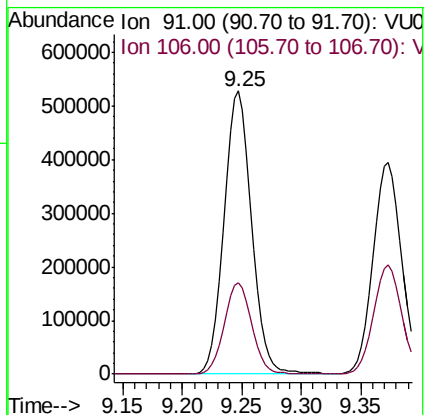
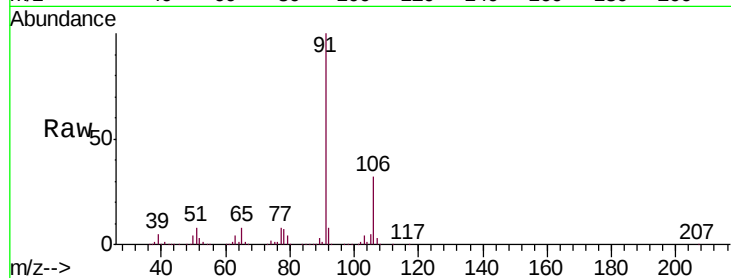
VSTD05057

Tgt Ion: 91 Resp: 847757

Ion Ratio Lower Upper

91 100

106 32.4 22.7 42.1



#53

m,p-Xylene

Concen: 49.812 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029669.D

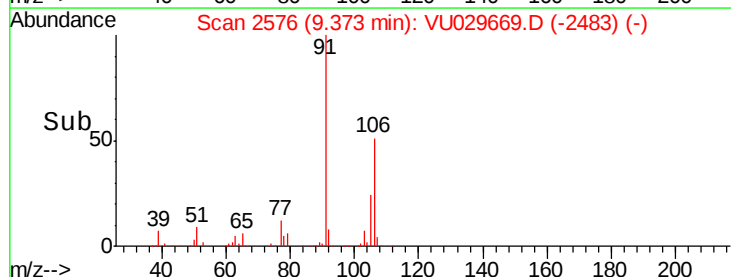
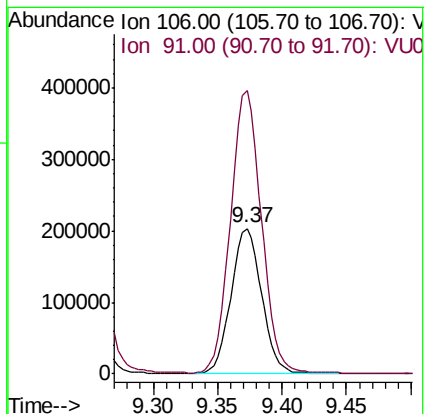
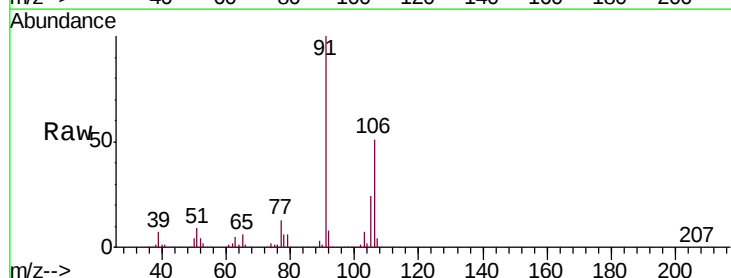
Acq: 25 Feb 2019 19:33

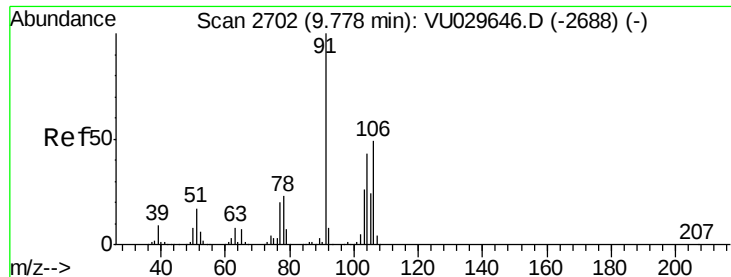
Tgt Ion: 106 Resp: 333981

Ion Ratio Lower Upper

106 100

91 194.9 135.3 251.3





#54

o-xylene

Concen: 50.395 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

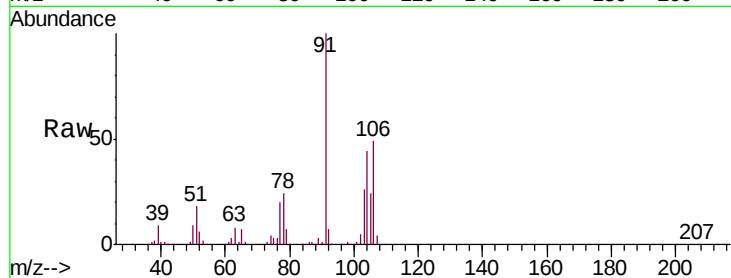
VSTD05057

Tgt Ion:106 Resp: 339403

Ion Ratio Lower Upper

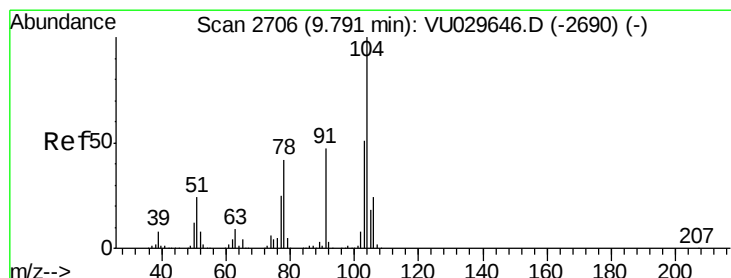
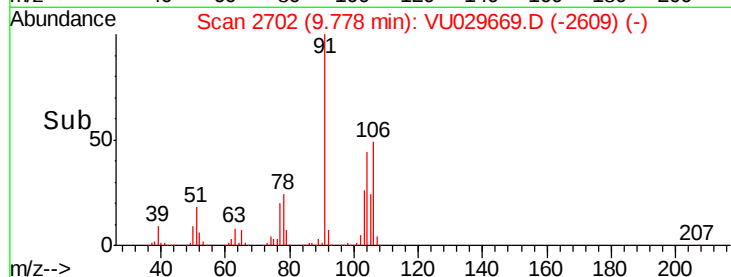
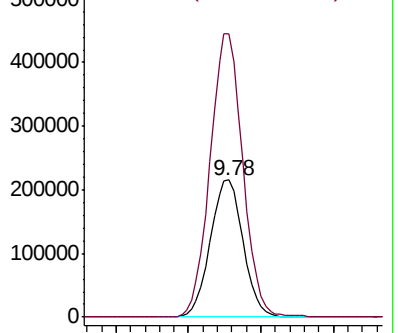
106 100

91 205.9 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.516 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU029669.D

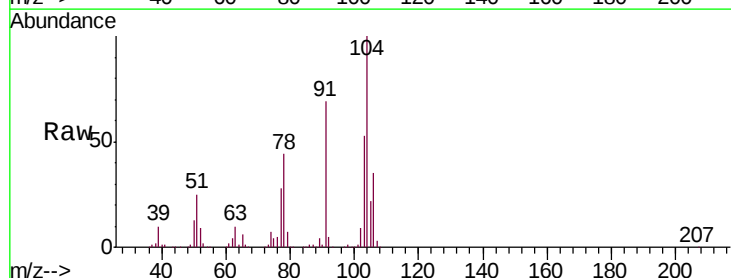
Acq: 25 Feb 2019 19:33

Tgt Ion:104 Resp: 574327

Ion Ratio Lower Upper

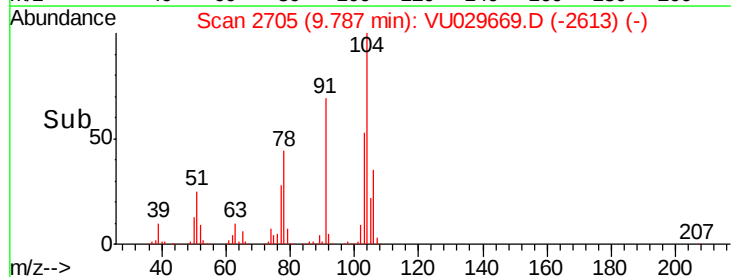
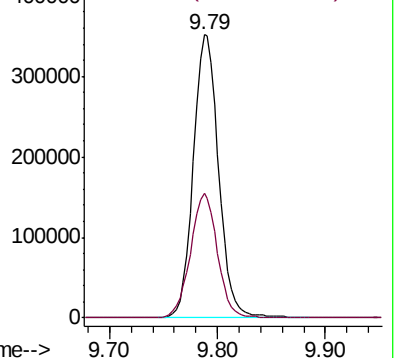
104 100

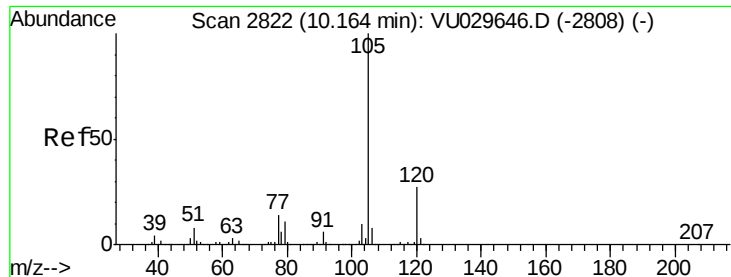
78 44.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.704 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

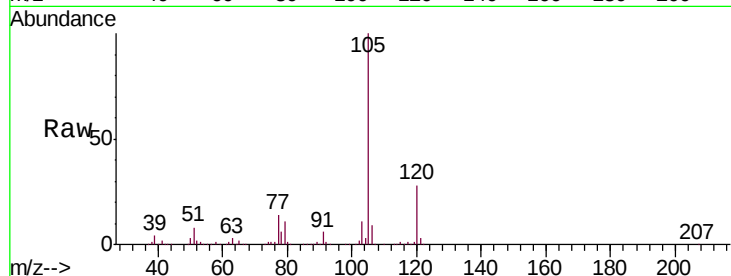
Tgt Ion: 105 Resp: 875955

Ion Ratio Lower Upper

105 100

120 27.6 21.9 32.9

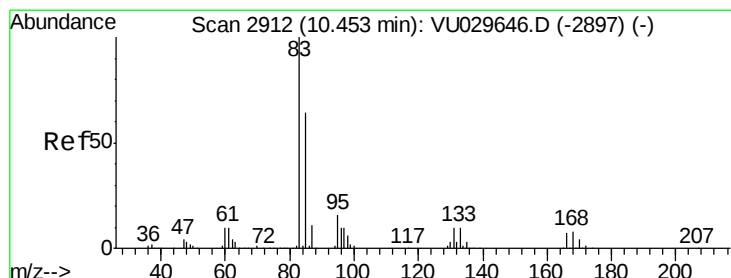
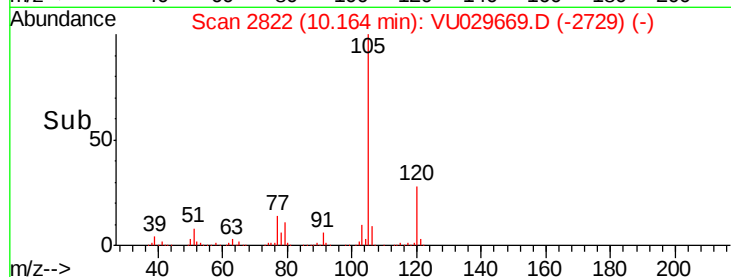
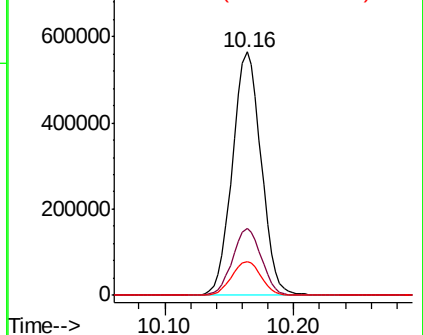
77 14.3 11.7 17.5



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: 52.062 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

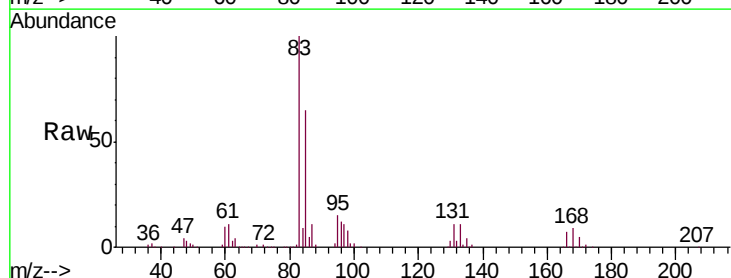
Tgt Ion: 83 Resp: 320340

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

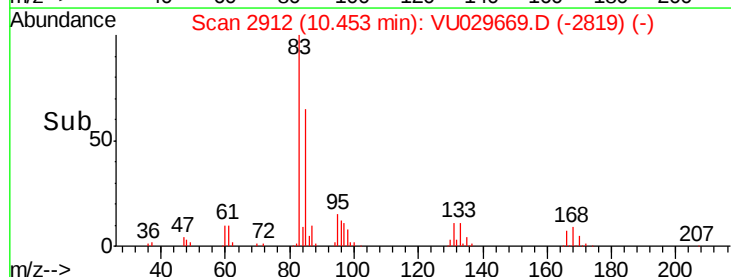
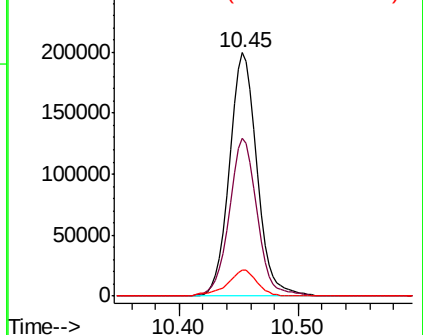
131 10.8 8.6 12.8

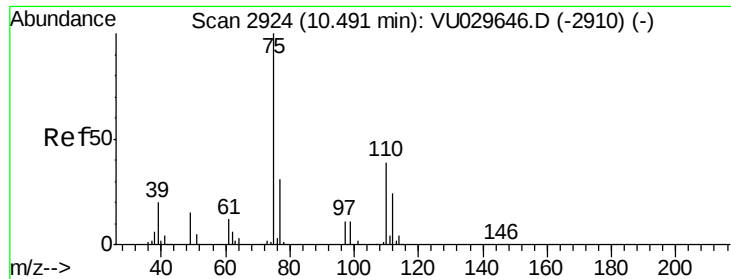


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

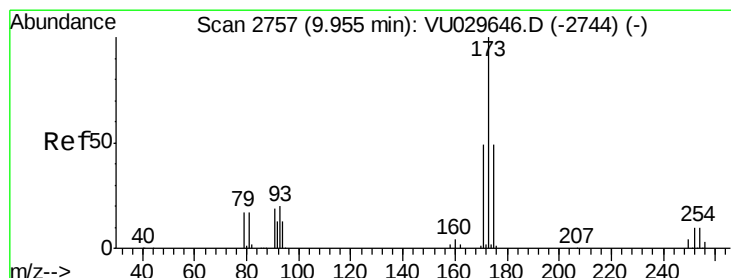
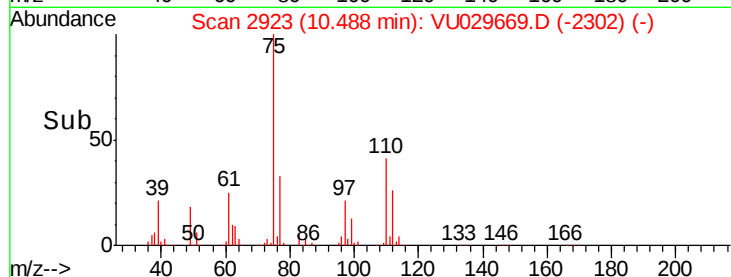
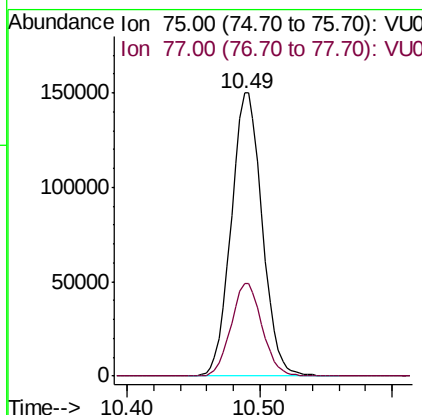
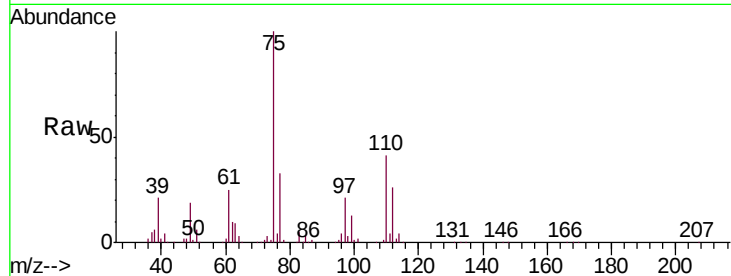




#59
 1,2,3-Trichloropropane
 Concen: 52.322 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

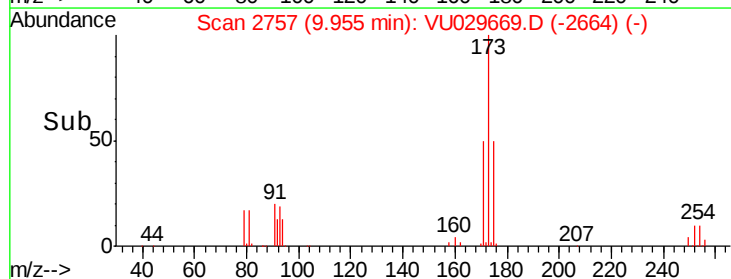
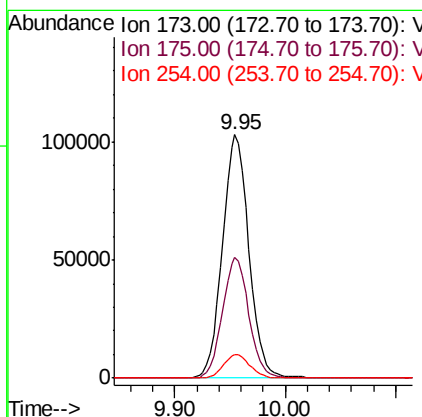
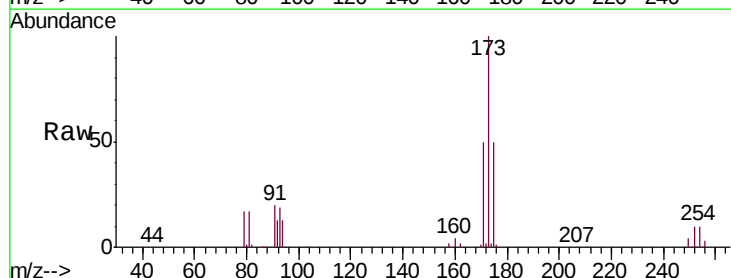
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

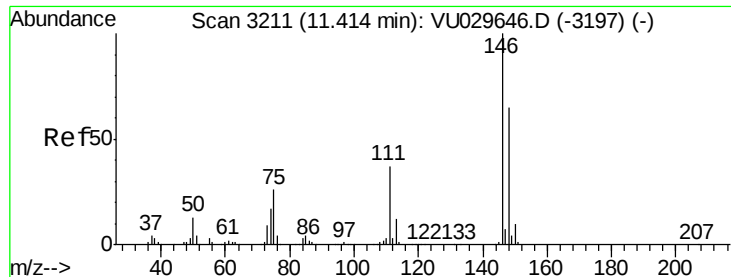
Tgt Ion: 75 Resp: 243538
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.7 38.5



#61
 Bromoform
 Concen: 48.474 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

Tgt Ion: 173 Resp: 171250
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.0 58.4
 254 9.7 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 50.700 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

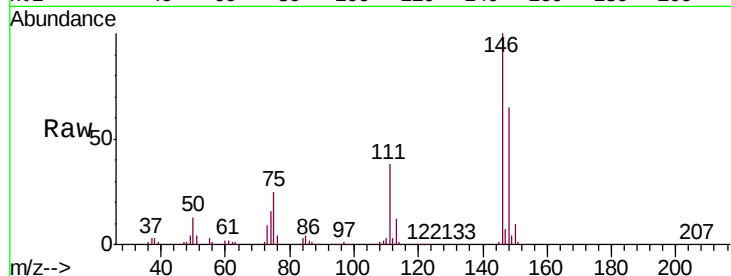
Tgt Ion:146 Resp: 424079

Ion Ratio Lower Upper

146 100

111 37.6 26.7 49.5

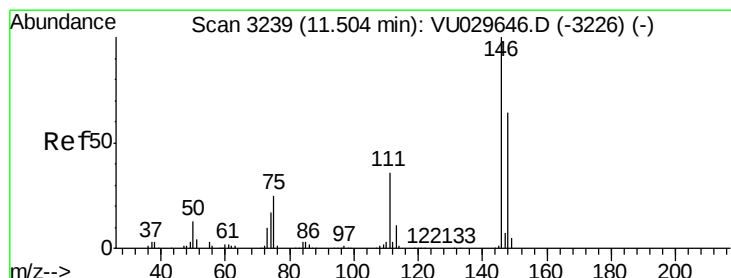
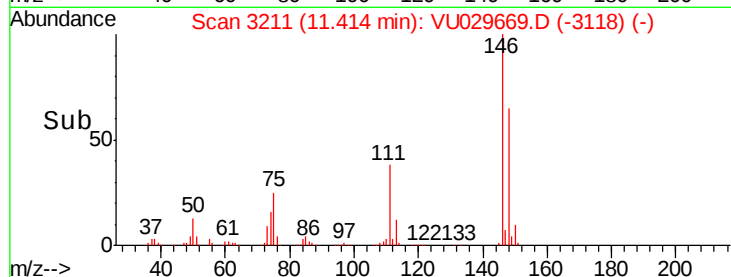
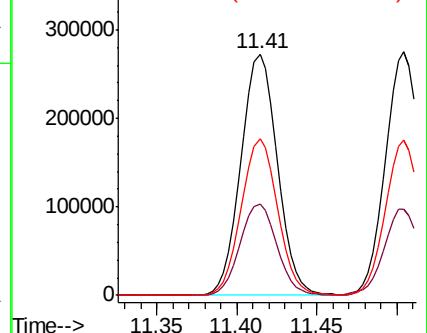
148 64.6 45.9 85.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.362 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

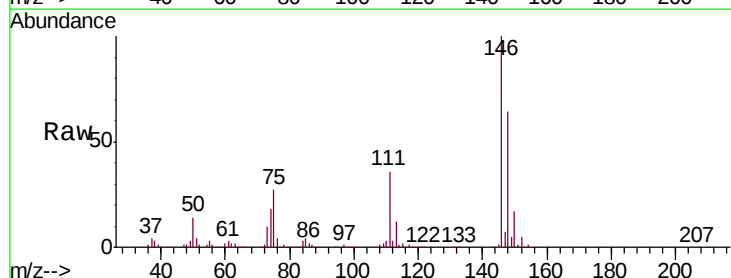
Tgt Ion:146 Resp: 432336

Ion Ratio Lower Upper

146 100

111 35.6 25.1 46.5

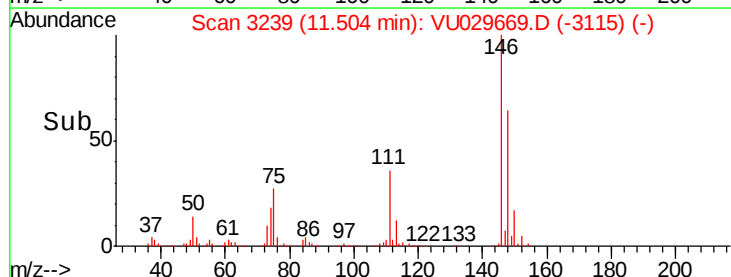
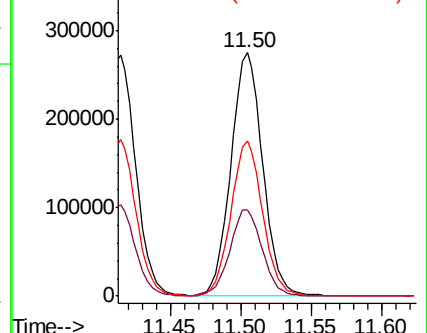
148 63.8 45.0 83.6

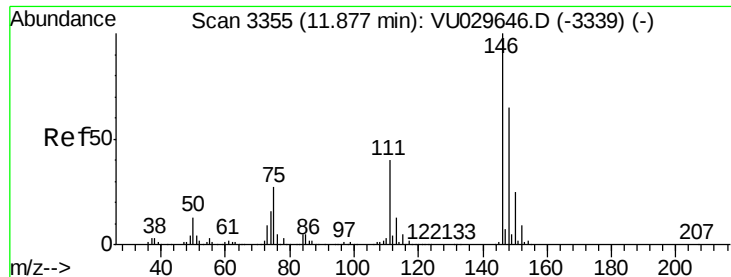


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

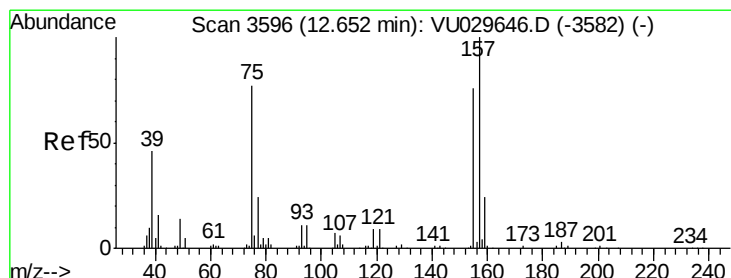
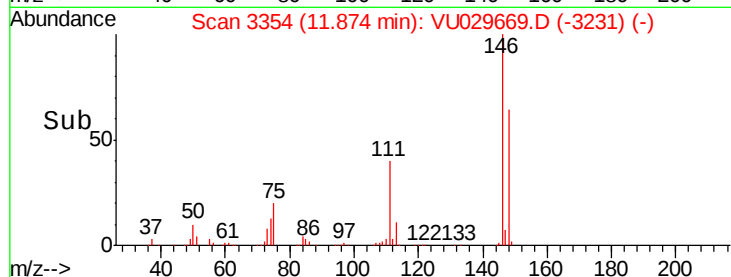
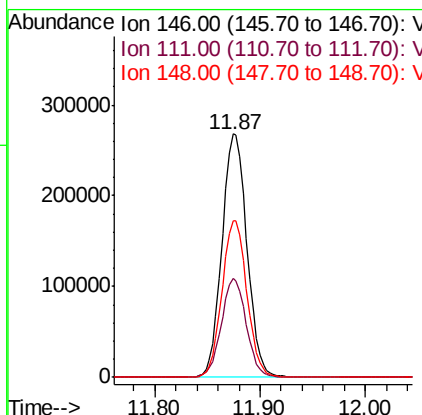
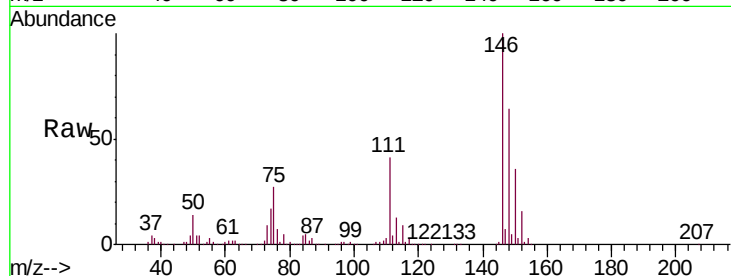




#65
 1,2-Dichlorobenzene
 Concen: 50.285 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

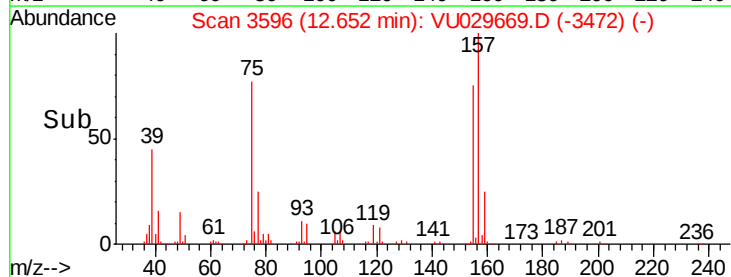
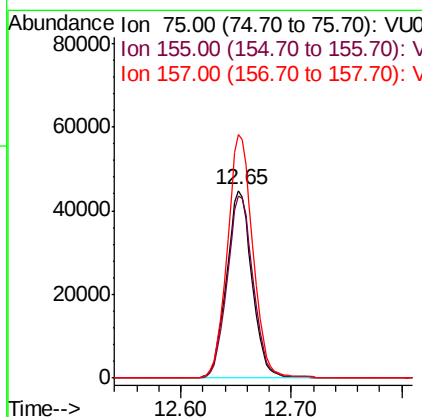
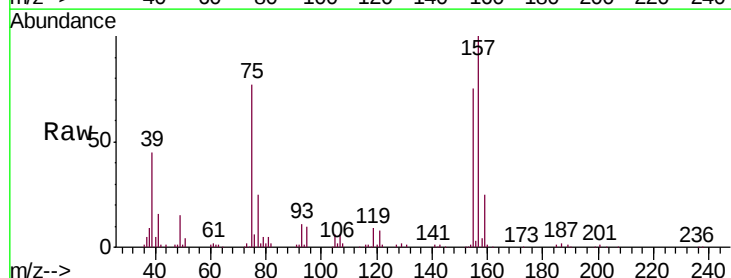
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

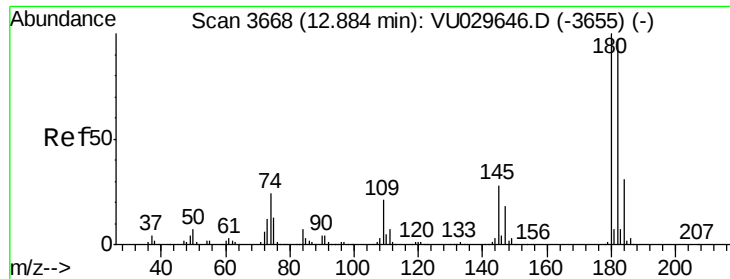
Tgt Ion: 146 Resp: 439049
 Ion Ratio Lower Upper
 146 100
 111 40.7 31.2 46.8
 148 64.5 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.916 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

Tgt Ion: 75 Resp: 71898
 Ion Ratio Lower Upper
 75 100
 155 96.8 79.5 119.3
 157 129.7 103.4 155.0

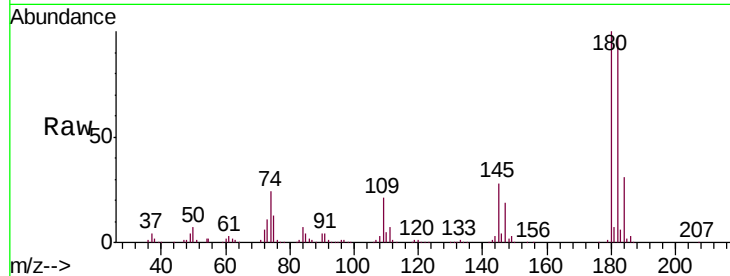




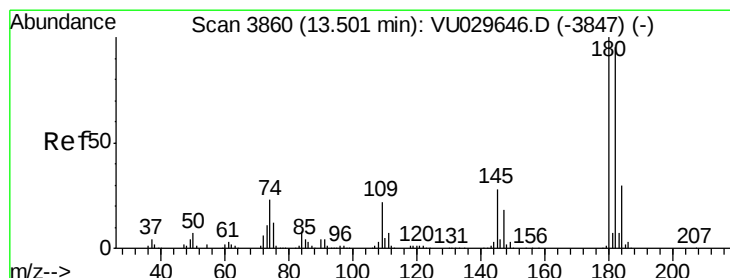
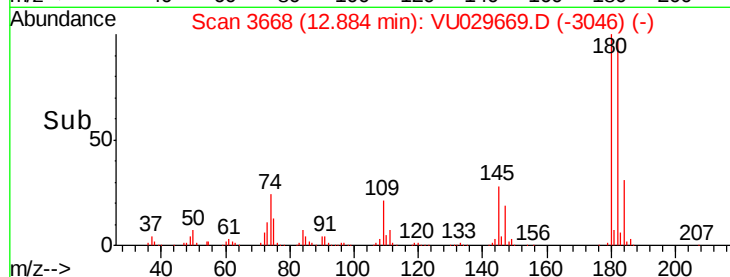
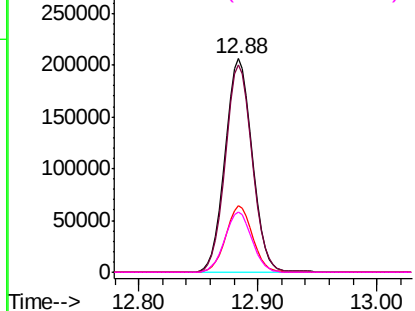
#67
 1,3,5-Trichlorobenzene
 Concen: 51.162 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion:	180	Resp:	326562
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.9	116.9
184	30.4	24.5	36.7
145	28.2	22.4	33.6

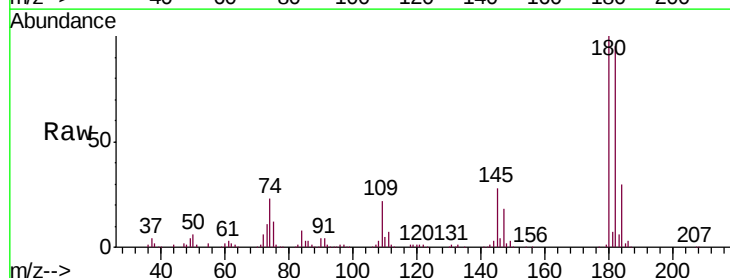


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

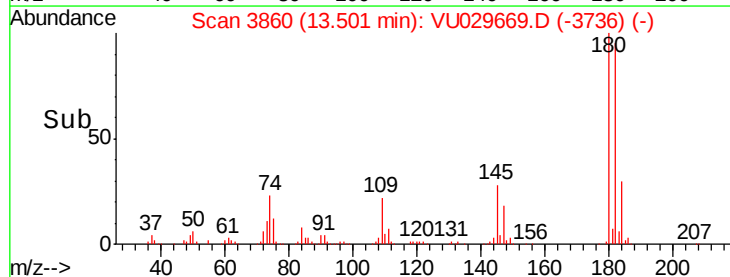
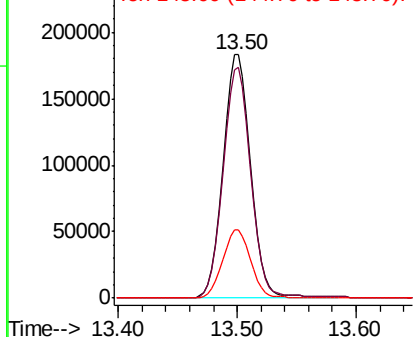


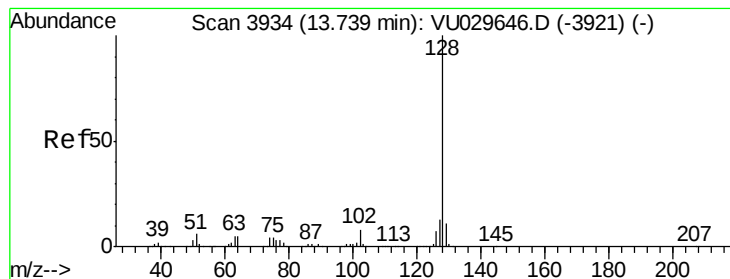
#68
 1,2,4-trichlorobenzene
 Concen: 53.397 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029669.D
 Acq: 25 Feb 2019 19:33

Tgt Ion:	180	Resp:	294787
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
145	28.7	22.7	34.1



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: 56.061 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

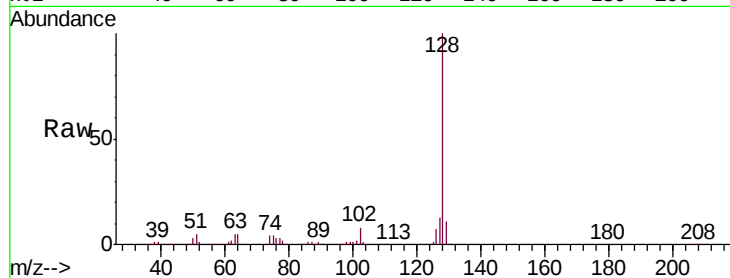
Tgt Ion:128 Resp: 951297

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

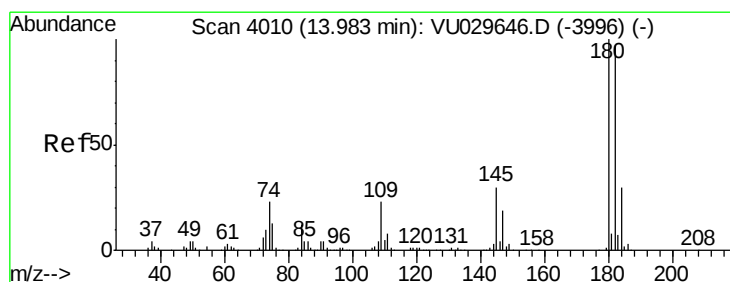
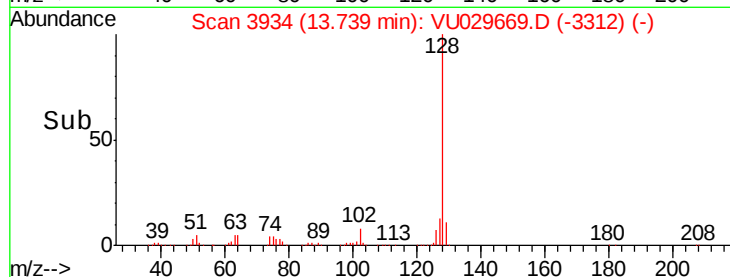
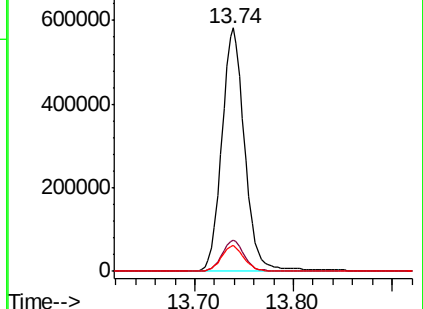
129 10.5 8.5 12.7



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: 52.643 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029669.D

Acq: 25 Feb 2019 19:33

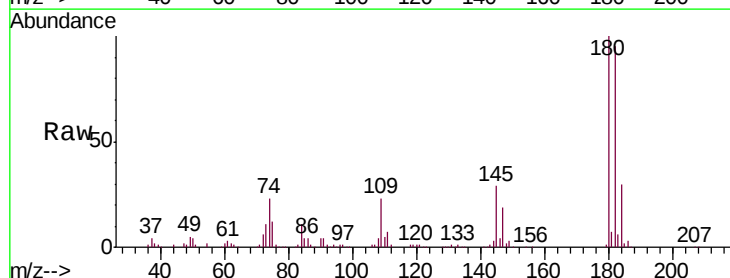
Tgt Ion:180 Resp: 308624

Ion Ratio Lower Upper

180 100

182 95.8 76.8 115.2

145 30.1 24.4 36.6



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

