

Data File : VU029975.D
Acq On : 11 Mar 2019 18:46
Operator : JC/SP
Sample : VSTD05045
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Mar 12 05:45:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 05:42:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	545781	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	527420	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	277220	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	183916	54.23	ug/L	0.00
7) Chloroethane-d5	1.68	69	147171	52.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	325751	51.64	ug/L	0.00
21) 2-Butanone-d5	4.17	46	278255	107.11	ug/L	0.00
24) Chloroform-d	4.65	84	329472	50.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	189260	49.99	ug/L	0.00
32) Benzene-d6	5.34	84	696985	52.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	211321	52.51	ug/L	0.00
41) Toluene-d8	7.56	98	659877	52.07	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	103456	53.01	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	244325	111.73	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	320715	51.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	267750	49.17	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	168674	42.046	ug/L	100
3) Chloromethane	1.33	50	182326	35.501	ug/L	100
5) Vinyl chloride	1.40	62	201510	48.161	ug/L	100
6) Bromomethane	1.62	94	131112	92.230	ug/L	100
8) Chloroethane	1.70	64	127898	49.560	ug/L	100
9) Trichlorofluoromethane	1.88	101	272334	49.021	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	173299	50.136	ug/L	100
12) 1,1-Dichloroethene	2.28	96	164149	49.204	ug/L	100
13) Acetone	2.32	43	303532	106.979	ug/L	100
14) Carbon disulfide	2.48	76	515978	49.639	ug/L	100
15) Methyl Acetate	2.61	43	202078	52.225	ug/L	100
16) Methylene chloride	2.70	84	196143	49.989	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	183371	51.433	ug/L	100
18) Methyl tert-butyl Ether	3.00	73	542351	58.345	ug/L	100
19) 1,1-Dichloroethane	3.44	63	311335	50.794	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	207481	50.996	ug/L	100
22) 2-Butanone	4.26	43	365446	112.215	ug/L	100
23) Bromochloromethane	4.55	128	108014	52.522	ug/L	100
25) Chloroform	4.67	83	330126	50.027	ug/L	100
27) 1,2-Dichloroethane	5.40	62	236343	50.493	ug/L	100
29) Cyclohexane	4.99	56	288706	53.163	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	280260	52.795	ug/L	100
31) Carbon tetrachloride	5.13	117	250698	53.166	ug/L	100
33) Benzene	5.39	78	739625	52.466	ug/L	100
34) Trichloroethene	6.18	95	193769	50.912	ug/L	100
35) Methylcyclohexane	6.41	83	316708	52.253	ug/L	100
37) 1,2-Dichloropropane	6.43	63	194830	52.741	ug/L	100
38) Bromodichloromethane	6.76	83	245247	53.201	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	307879	54.432	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	536366	108.374	ug/L	100

Data File : VU029975.D
Acq On : 11 Mar 2019 18:46
Operator : JC/SP
Sample : VSTD05045
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Mar 12 05:45:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 05:42:01 2019
Response via : Initial Calibration

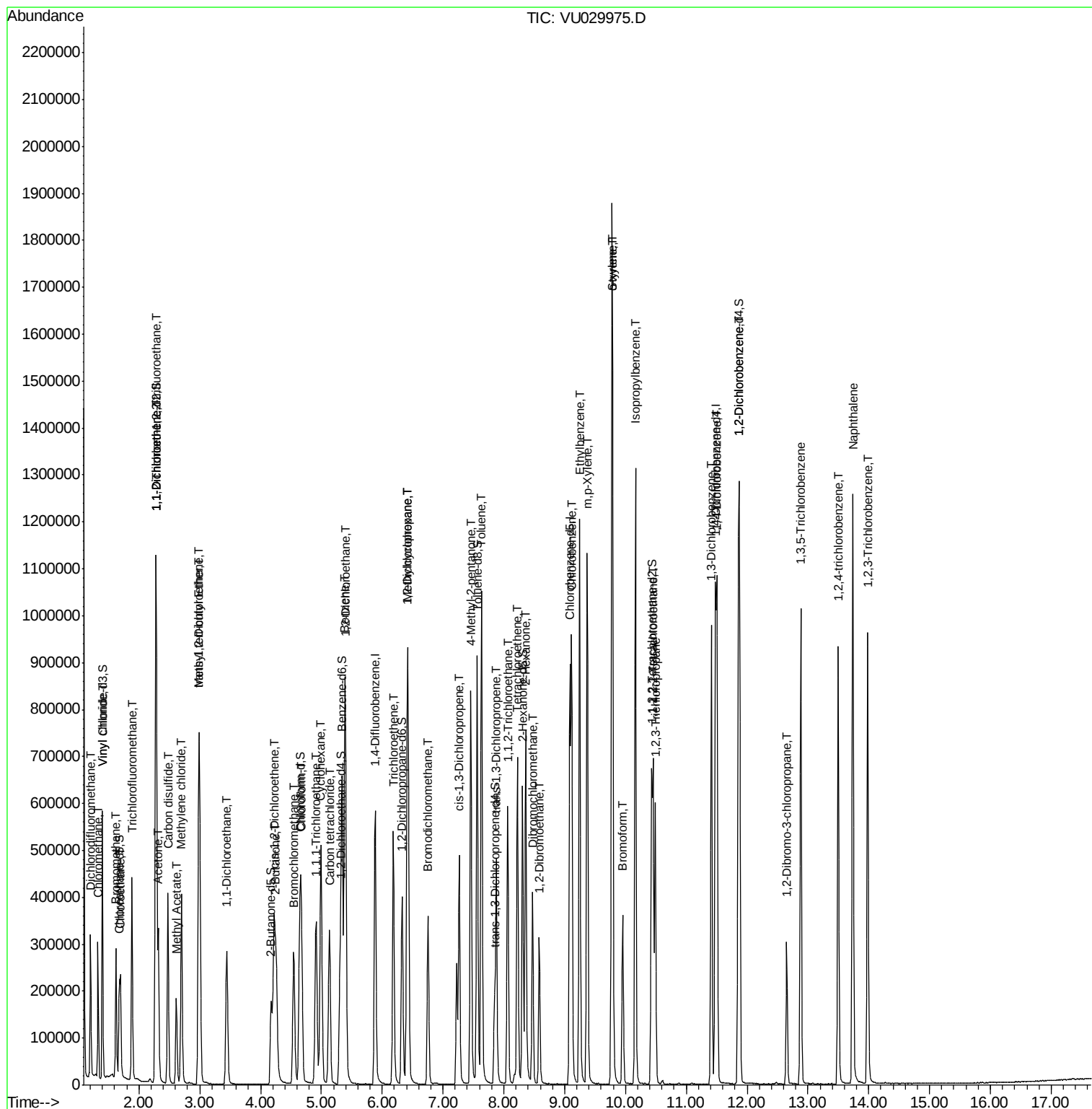
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	818712	53.113	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	282577	56.009	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	196065	52.358	ug/L	100
46) Tetrachloroethene	8.22	164	170058	51.981	ug/L	100
48) 2-Hexanone	8.36	43	468909	111.615	ug/L	100
49) Dibromochloromethane	8.47	129	220509	53.444	ug/L	100
50) 1,2-Dibromoethane	8.58	107	215535	53.368	ug/L	100
51) Chlorobenzene	9.12	112	535782	51.405	ug/L	100
52) Ethylbenzene	9.25	91	895755	52.502	ug/L	100
53) m,p-Xylene	9.37	106	354127	53.882	ug/L	100
54) o-xylene	9.77	106	344879	53.034	ug/L	100
55) Styrene	9.79	104	596901	55.808	ug/L	100
56) Isopropylbenzene	10.16	105	898912	53.319	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	336389	52.004	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	254908	52.291	ug/L	100
61) Bromoform	9.95	173	172656	53.307	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	435215	51.396	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	440165	50.764	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	442281	51.204	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	73610	53.572	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	339713	52.540	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	312956	54.042	ug/L	100
69) Naphthalene	13.74	128	1050739	57.606	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	328924	53.899	ug/L	100

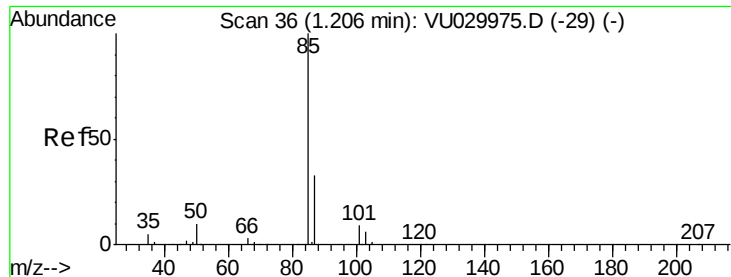
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU029975.D
Acq On : 11 Mar 2019 18:46
Operator : JC/SP
Sample : VSTD05045
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Mar 12 05:45:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 12 05:42:01 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 42.046 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

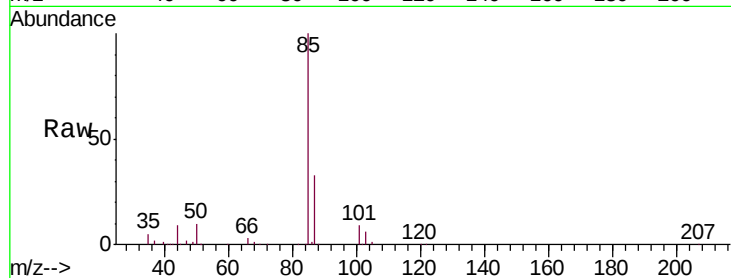
VSTD05045

Tgt Ion: 85 Resp: 168674

Ion Ratio Lower Upper

85 100

87 33.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VU029975.D (-29) (-)

Ion 87.00 (86.70 to 87.70): VU029975.D (-29) (-)

1.21

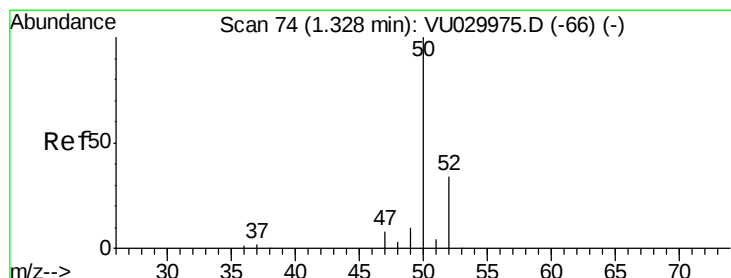
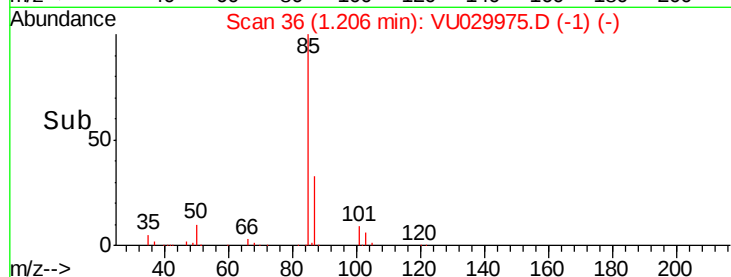
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 35.501 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029975.D

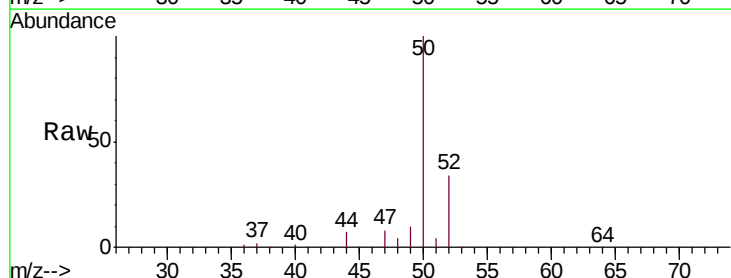
Acq: 11 Mar 2019 18:46

Tgt Ion: 50 Resp: 182326

Ion Ratio Lower Upper

50 100

52 33.5 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU029975.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU029975.D (-66) (-)

1.33

200000

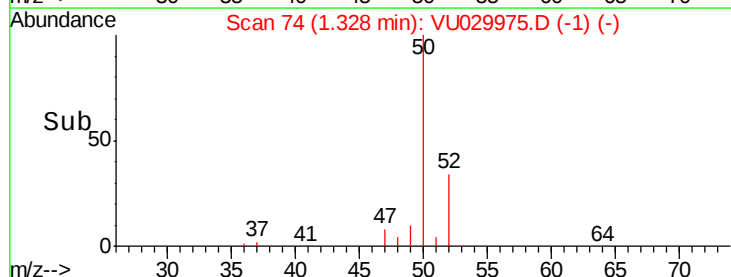
150000

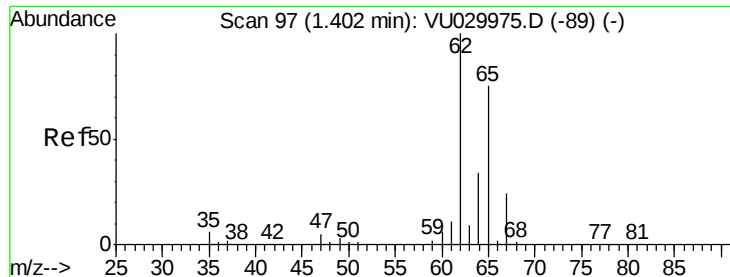
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.161 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

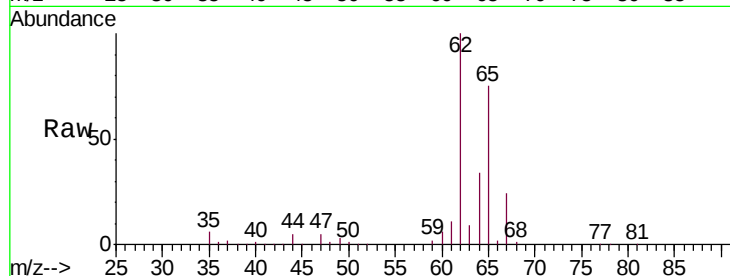
VSTD05045

Tgt Ion: 62 Resp: 201510

Ion Ratio Lower Upper

62 100

64 33.7 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

200000

150000

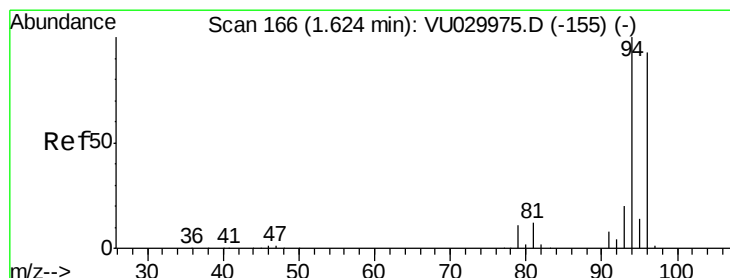
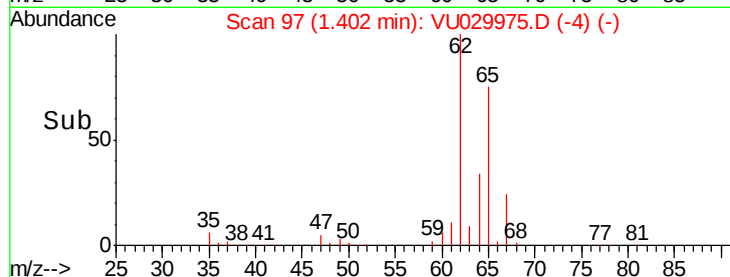
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#6

Bromomethane

Concen: 92.230 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU029975.D

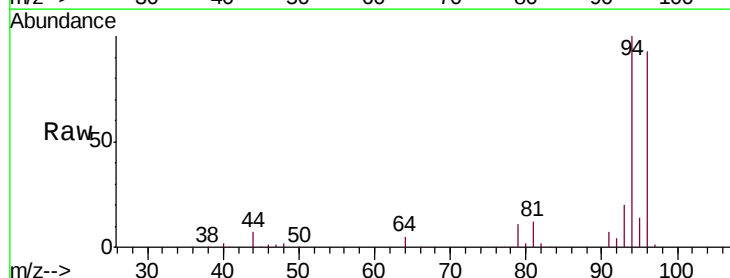
Acq: 11 Mar 2019 18:46

Tgt Ion: 94 Resp: 131112

Ion Ratio Lower Upper

94 100

96 92.8 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

120000

100000

80000

60000

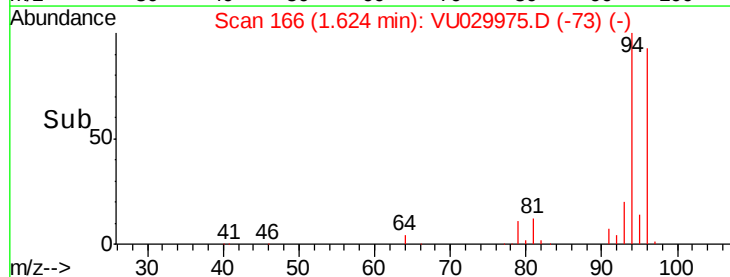
40000

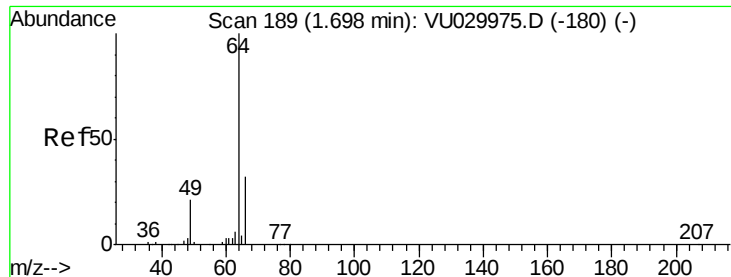
20000

0

Time-->

1.55 1.60 1.65 1.70

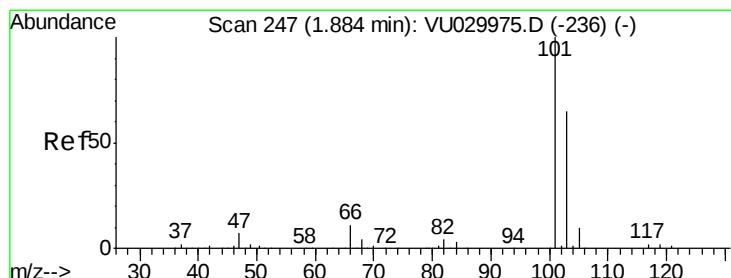
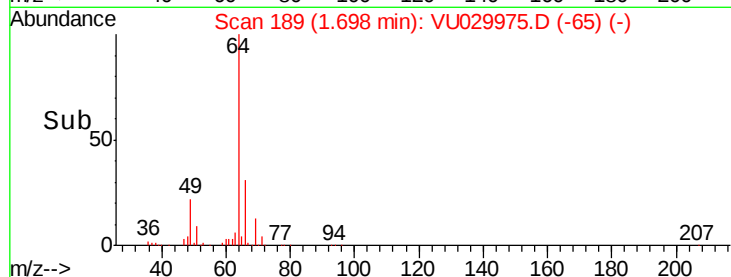
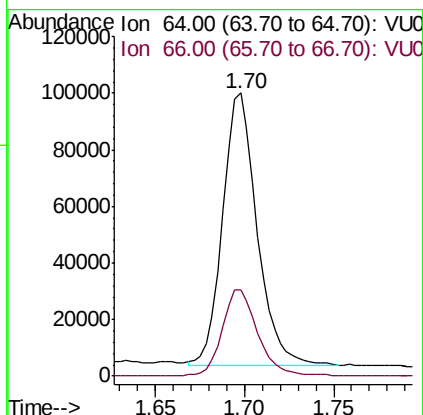
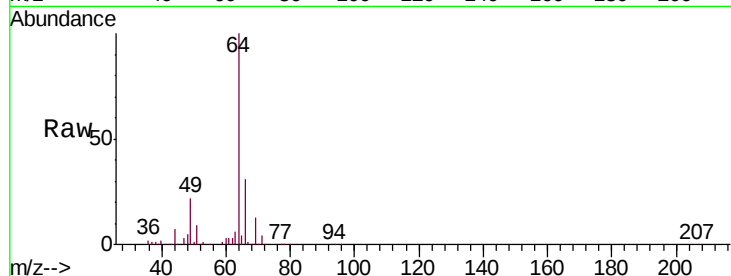




#8
Chloroethane
Concen: 49.560 ug/L
RT: 1.70 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

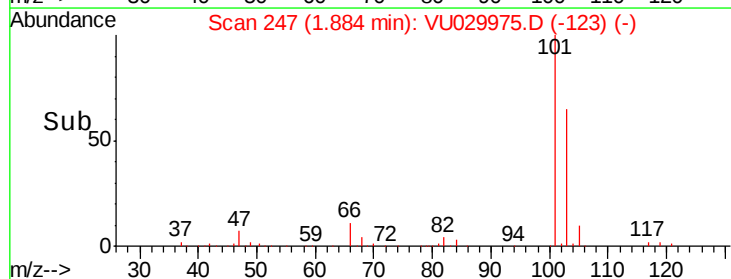
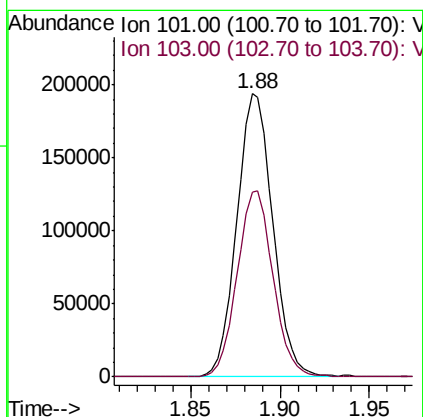
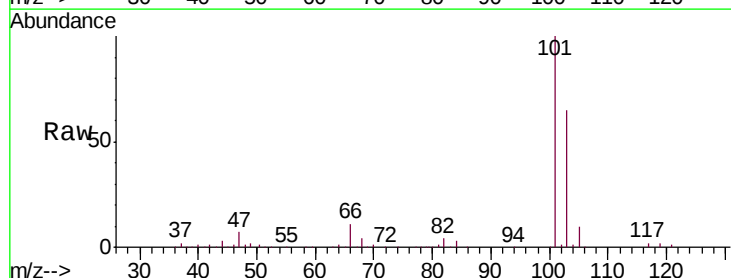
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

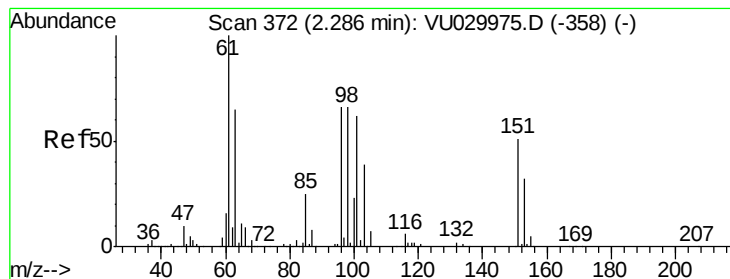
Tgt Ion: 64 Resp: 127898
Ion Ratio Lower Upper
64 100
66 30.5 21.3 39.6



#9
Trichlorofluoromethane
Concen: 49.021 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

Tgt Ion: 101 Resp: 272334
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7





#10

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

Concen: 50.136 ug/L

RT: 2.29 min Scan# 372

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

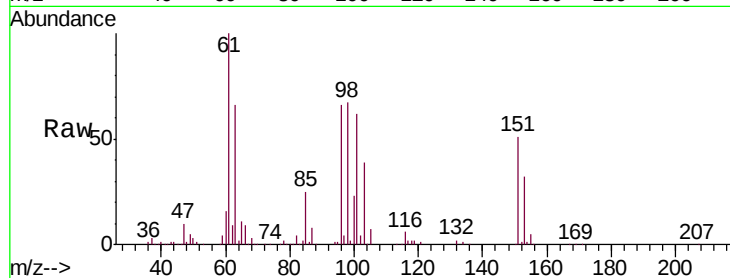
Tgt Ion: 101 Resp: 173299

Ion Ratio Lower Upper

101 100

85 41.2 33.0 49.4

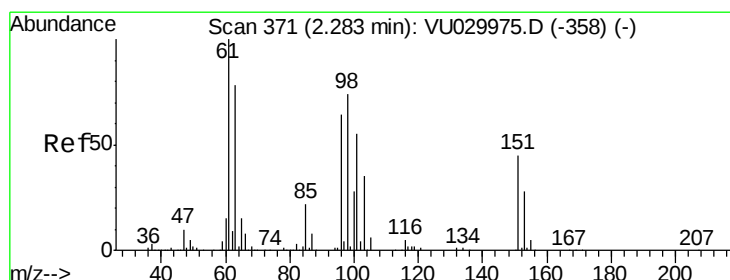
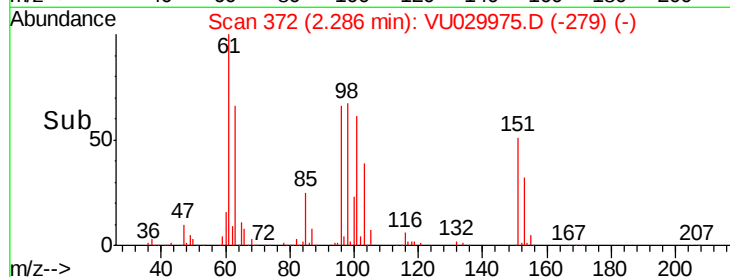
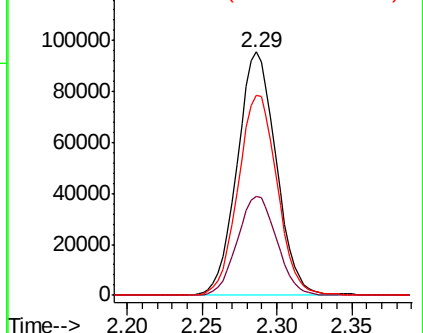
151 82.6 66.1 99.1



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: 49.204 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

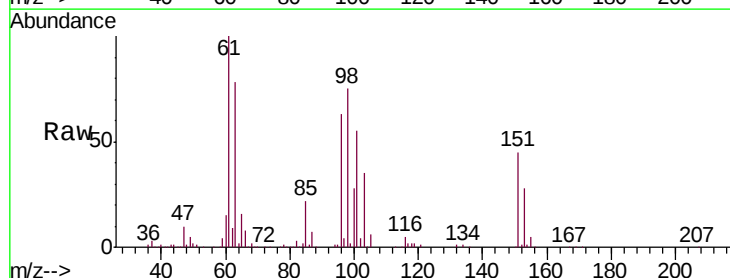
Tgt Ion: 96 Resp: 164149

Ion Ratio Lower Upper

96 100

61 157.7 110.4 205.0

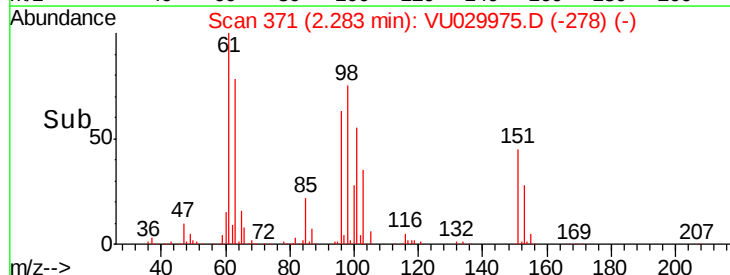
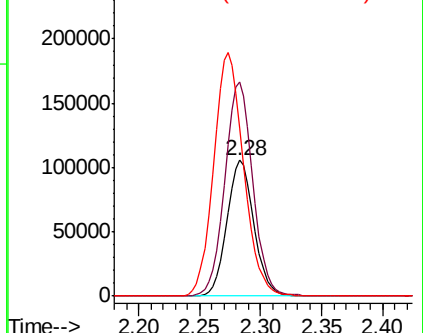
63 123.6 86.5 160.7

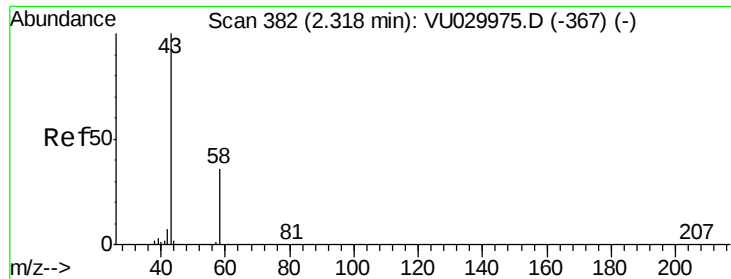


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 106.979 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

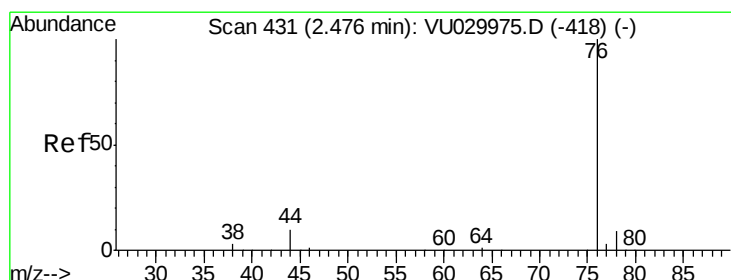
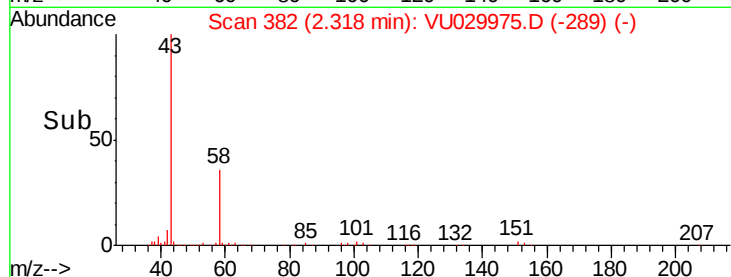
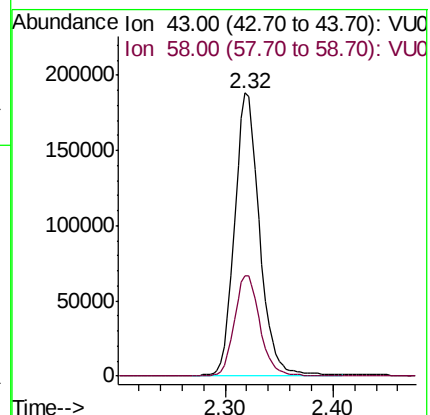
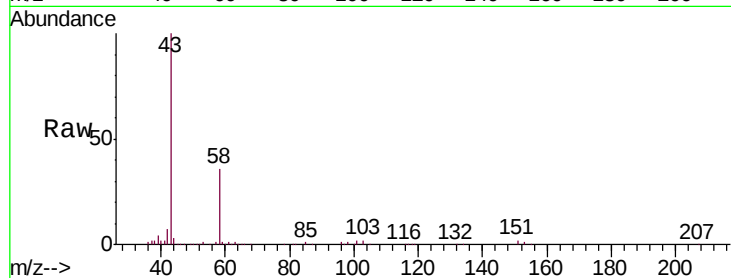
VSTD05045

Tgt Ion: 43 Resp: 303532

Ion Ratio Lower Upper

43 100

58 36.5 0.0 73.0



#14

Carbon disulfide

Concen: 49.639 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029975.D

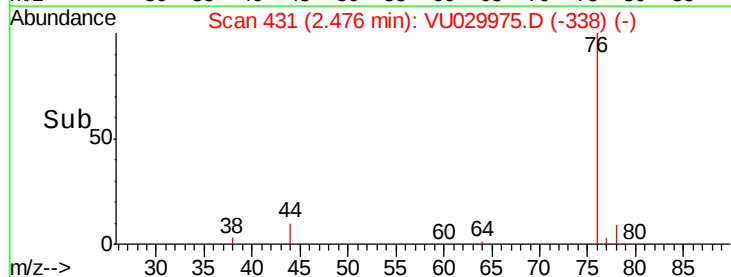
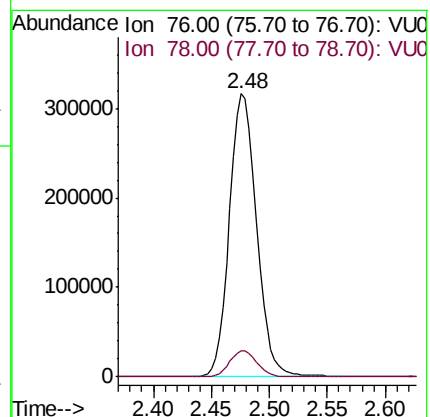
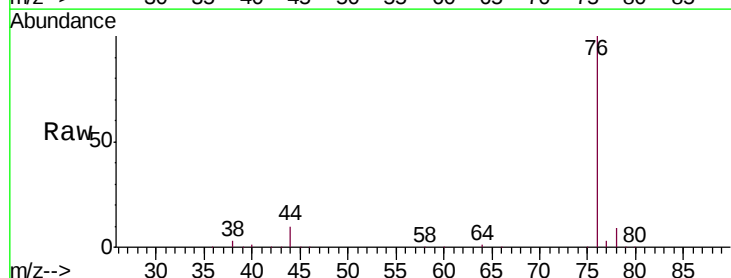
Acq: 11 Mar 2019 18:46

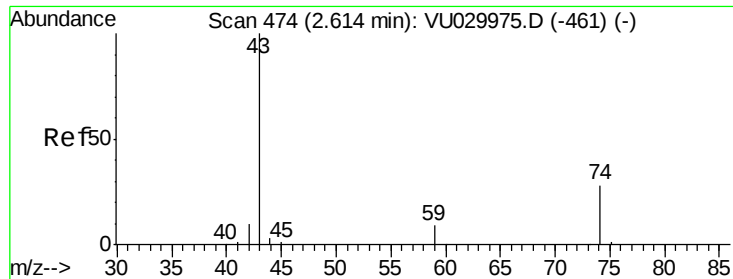
Tgt Ion: 76 Resp: 515978

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

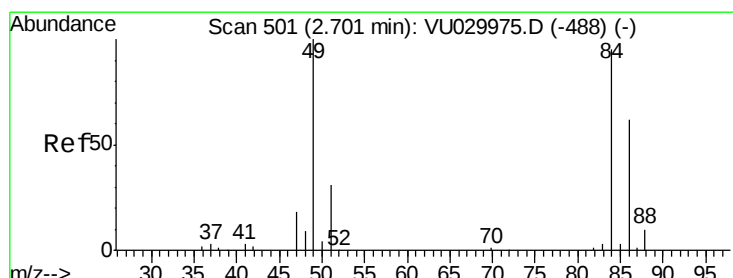
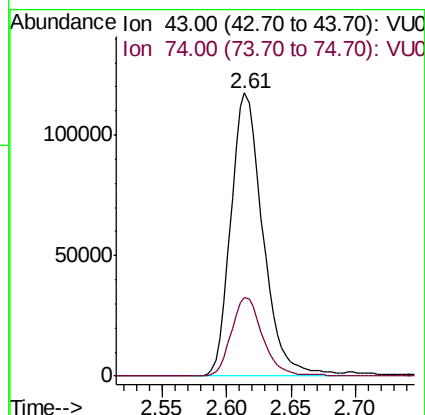
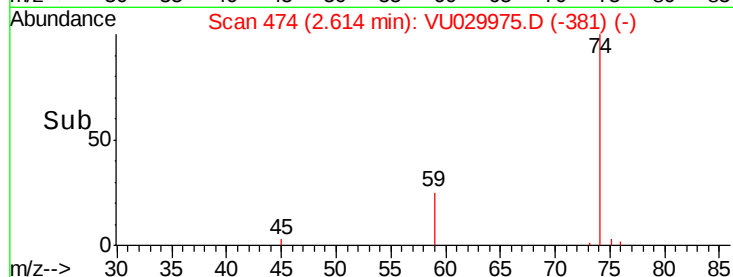
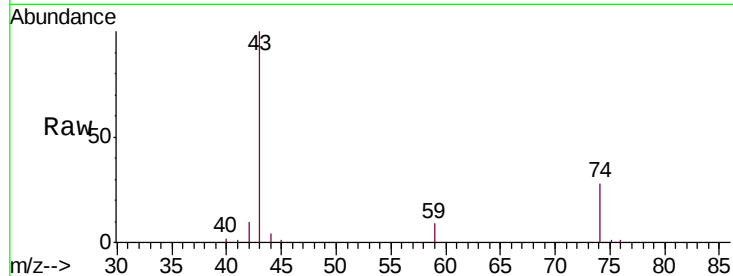




#15
Methyl Acetate
Concen: 52.225 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

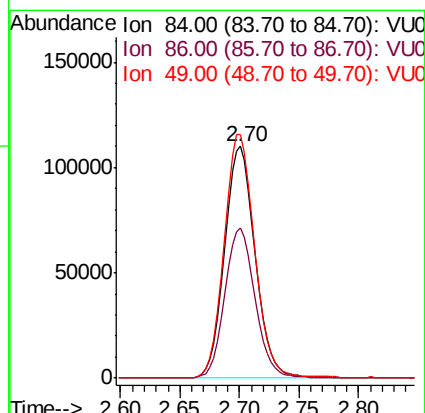
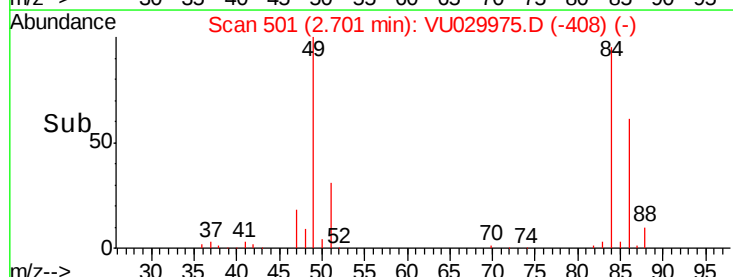
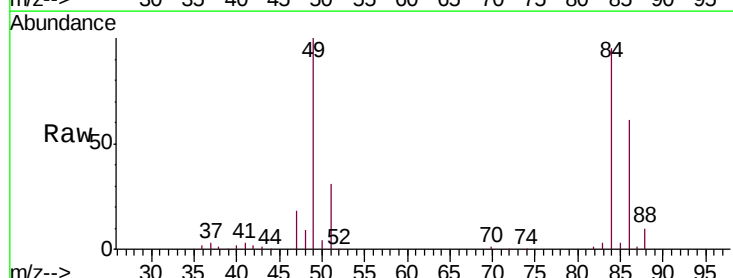
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

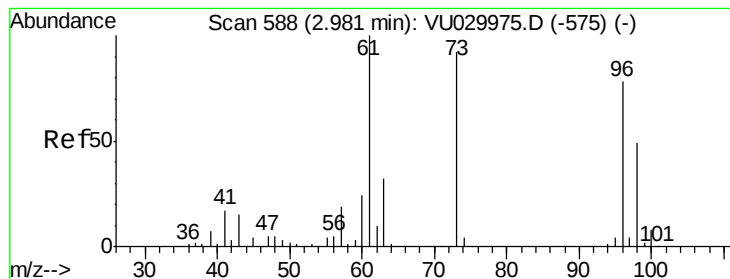
Tgt Ion: 43 Resp: 202078
Ion Ratio Lower Upper
43 100
74 27.4 21.9 32.9



#16
Methylene chloride
Concen: 49.989 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

Tgt Ion: 84 Resp: 196143
Ion Ratio Lower Upper
84 100
86 64.6 45.2 84.0
49 105.1 73.6 136.6





#17

trans-1,2-Dichloroethene

Concen: 51.433 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

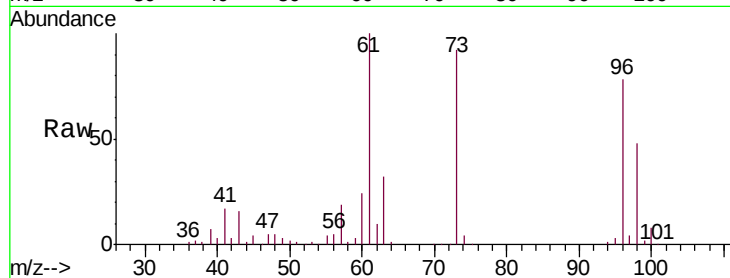
Tgt Ion: 96 Resp: 183371

Ion Ratio Lower Upper

96 100

61 127.7 89.4 166.0

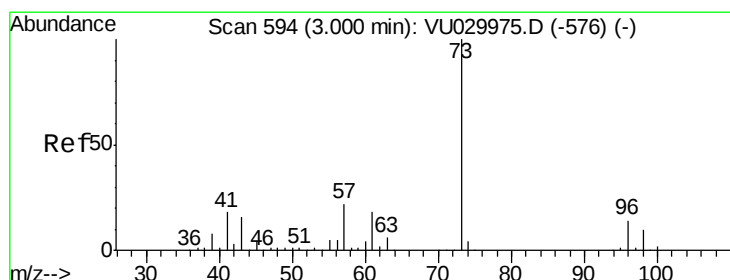
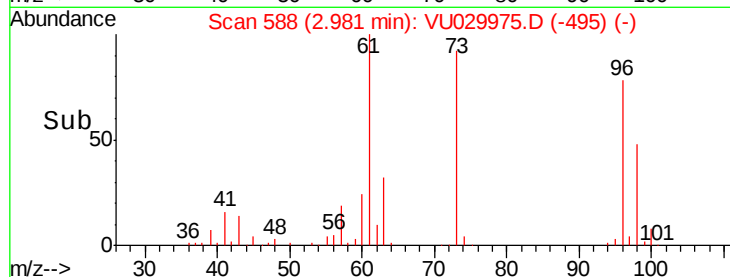
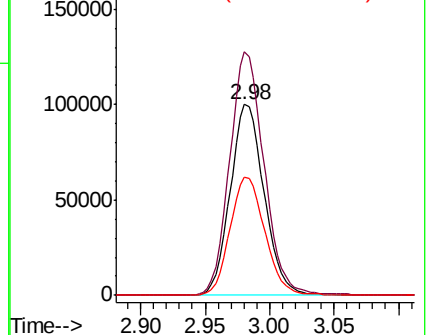
98 61.9 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 58.345 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

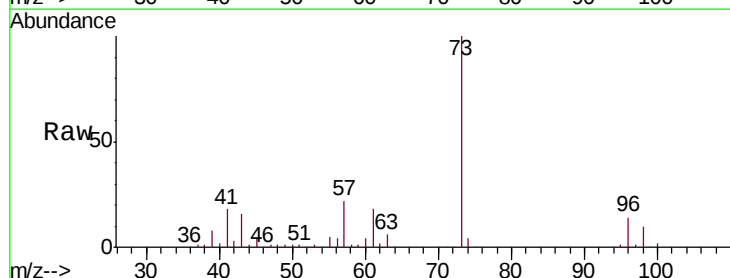
Tgt Ion: 73 Resp: 542351

Ion Ratio Lower Upper

73 100

43 16.4 13.1 19.7

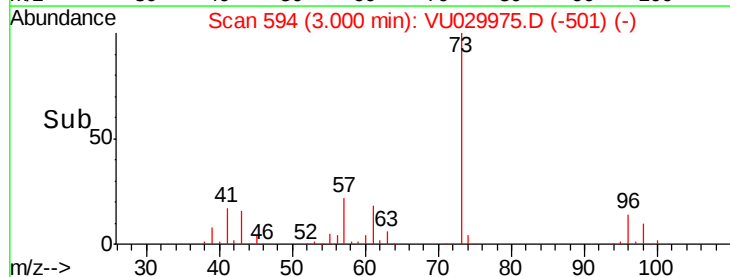
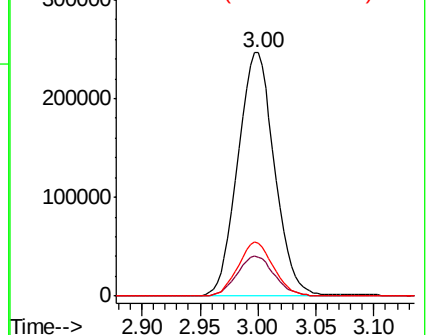
57 21.4 17.1 25.7

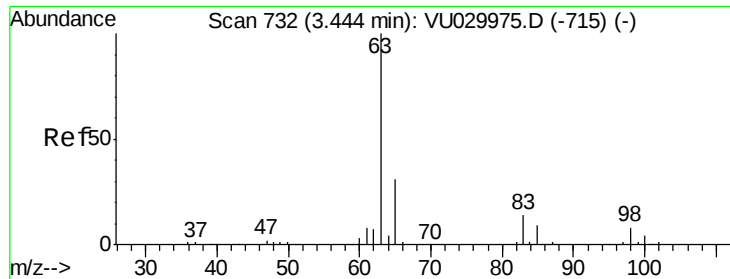


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

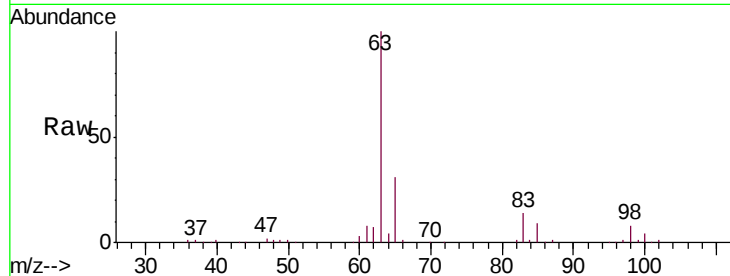




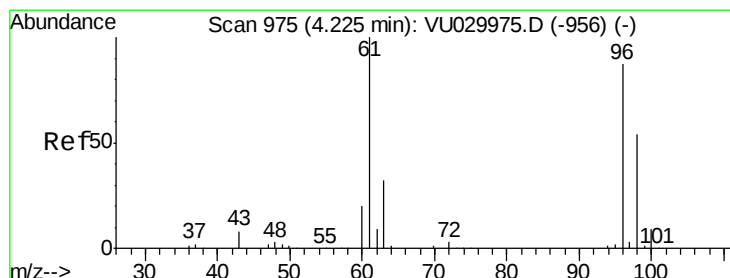
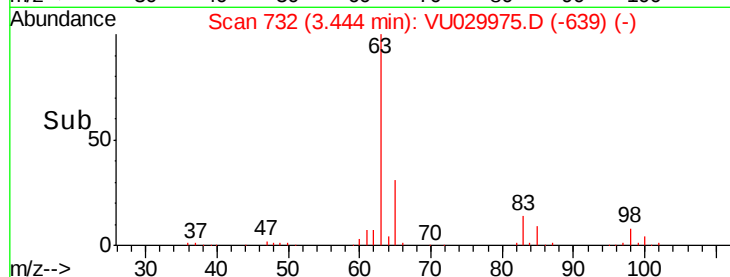
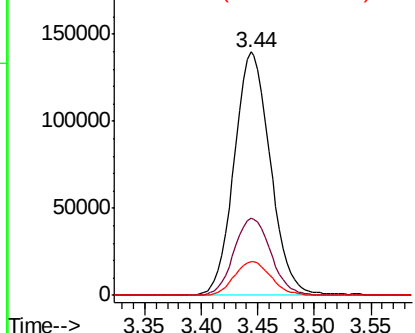
#19
 1,1-Dichloroethane
 Concen: 50.794 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion: 63 Resp: 311335
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 41.0
 83 13.9 9.7 18.1

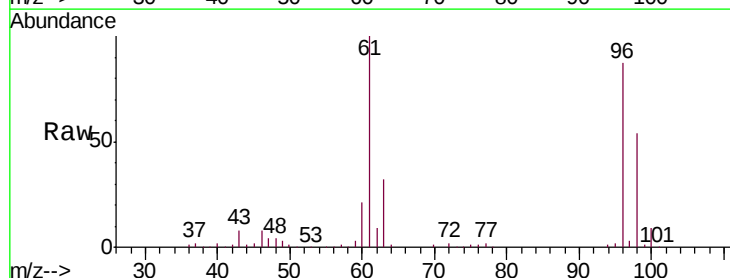


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

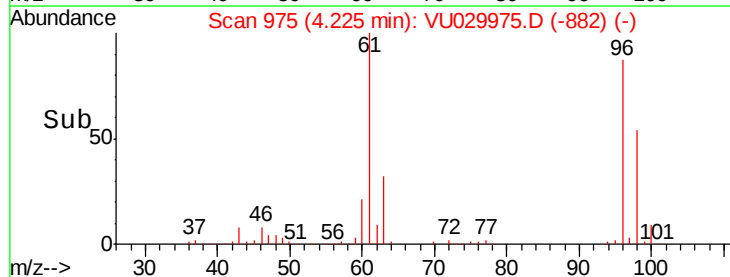
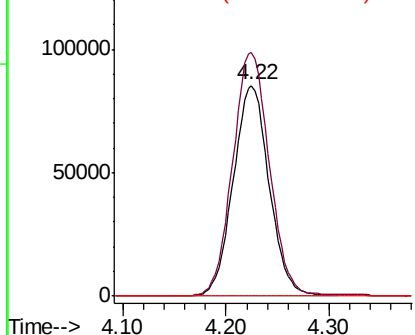


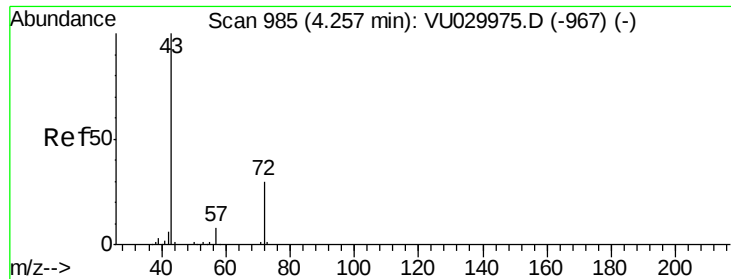
#20
 cis-1,2-Dichloroethene
 Concen: 50.996 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Tgt Ion: 96 Resp: 207481
 Ion Ratio Lower Upper
 96 100
 61 115.5 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: 112.215 ug/L

RT: 4.26 min Scan# 985

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

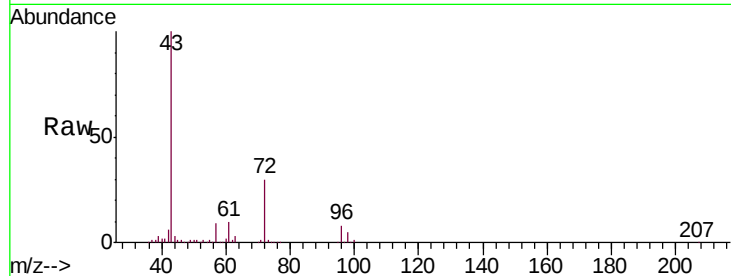
VSTD05045

Tgt Ion: 43 Resp: 365446

Ion Ratio Lower Upper

43 100

72 30.6 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) (-)

4.26

150000

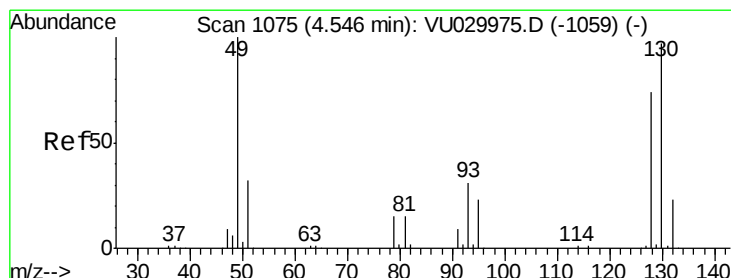
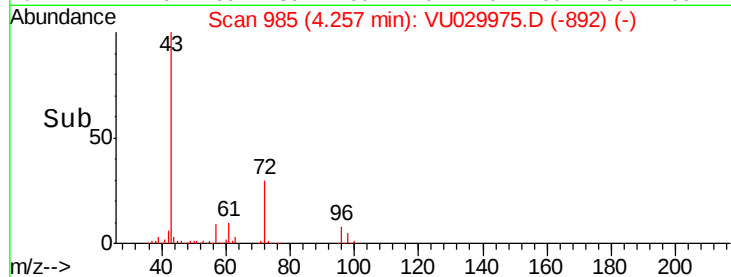
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 52.522 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Tgt Ion: 128 Resp: 108014

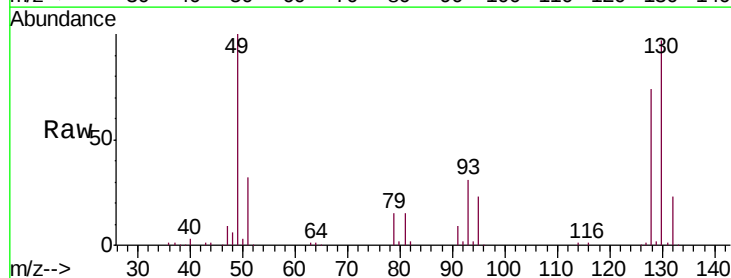
Ion Ratio Lower Upper

128 100

49 135.0 94.5 175.5

130 130.6 91.4 169.8

51 42.7 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) (-)

80000

60000

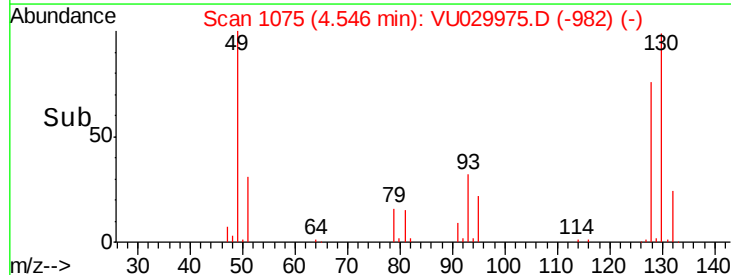
40000

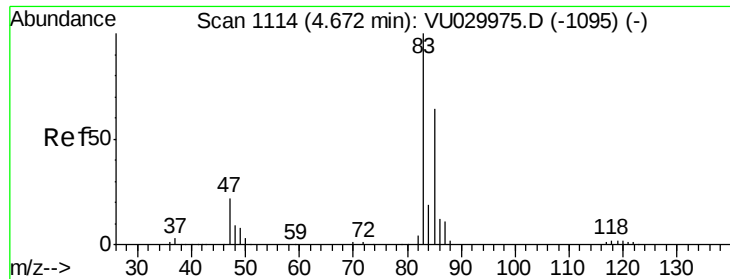
20000

0

4.45 4.50 4.55 4.60 4.65

Time-->

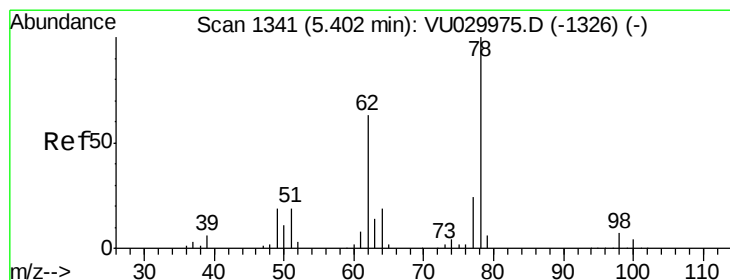
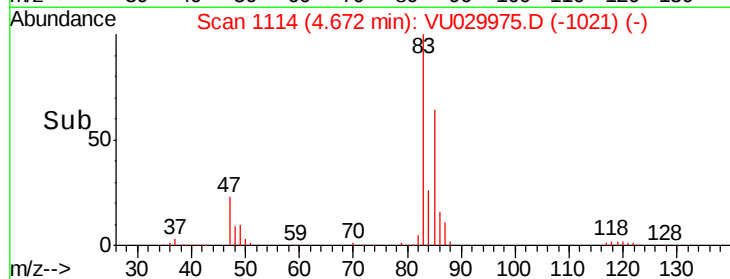
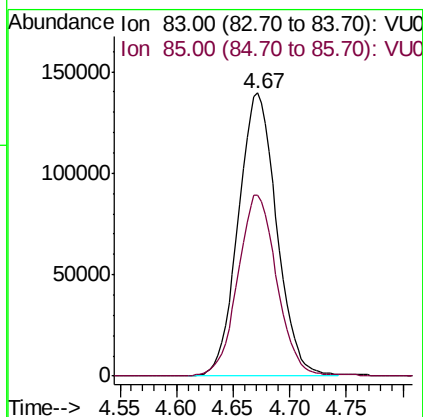
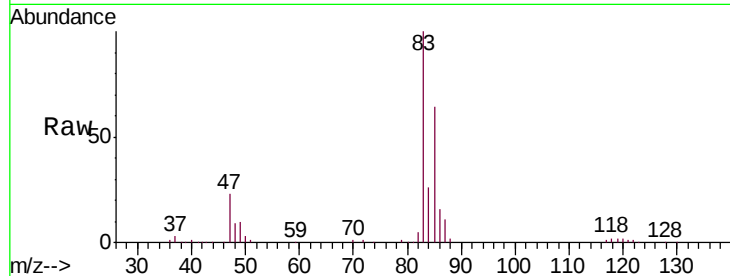




#25
Chloroform
Concen: 50.027 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

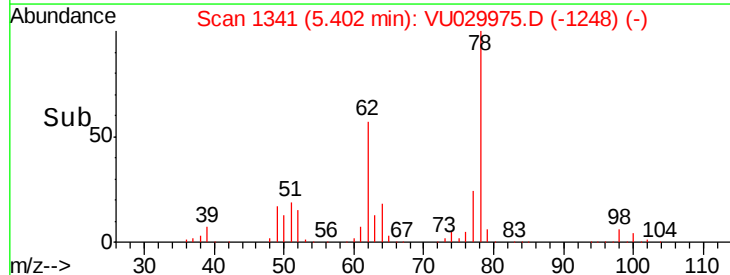
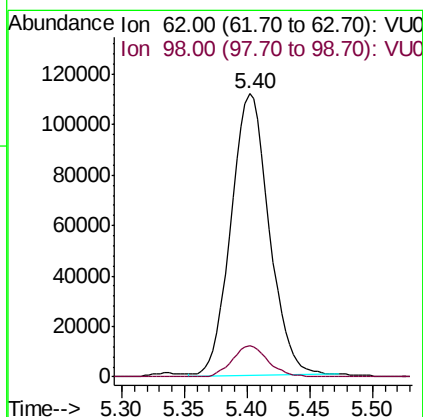
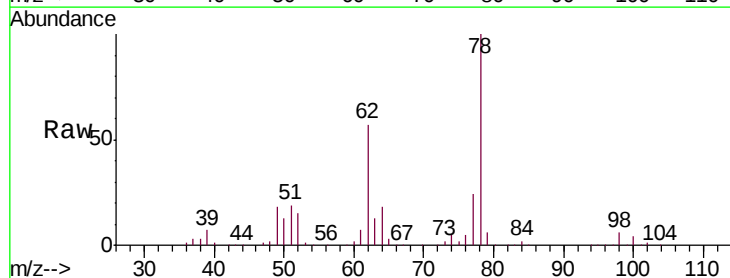
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

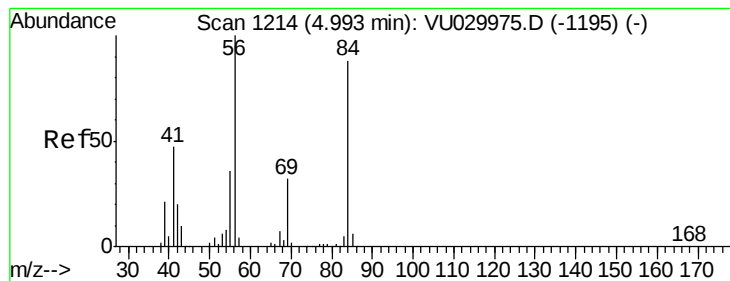
Tgt Ion: 83 Resp: 330126
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 50.493 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

Tgt Ion: 62 Resp: 236343
Ion Ratio Lower Upper
62 100
98 11.0 8.8 13.2





#29

Cyclohexane

Concen: 53.163 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

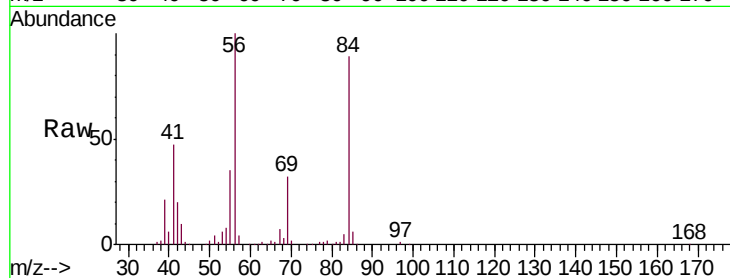
Tgt Ion: 56 Resp: 288706

Ion Ratio Lower Upper

56 100

69 31.6 25.3 37.9

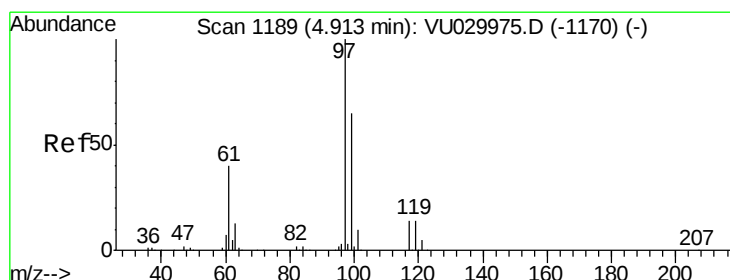
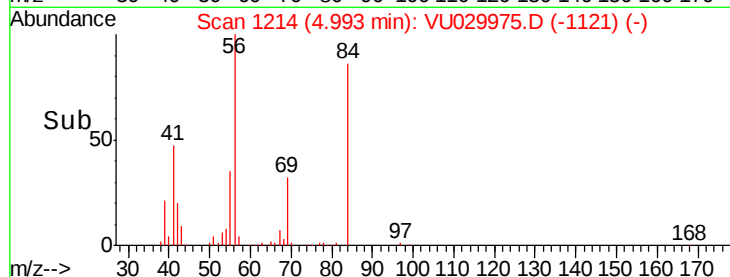
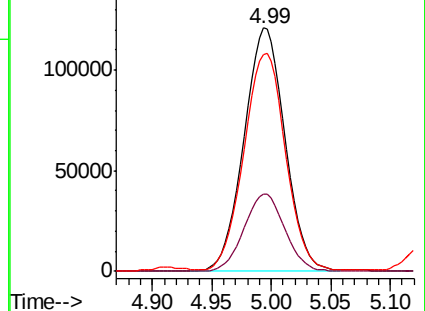
84 91.9 73.5 110.3



Abundance Ion 56.00 (55.70 to 56.70): VU029975.D (-1195) (-)

Ion 69.00 (68.70 to 69.70): VU029975.D (-1195) (-)

Ion 84.00 (83.70 to 84.70): VU029975.D (-1195) (-)



#30

1,1,1-Trichloroethane

Concen: 52.795 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

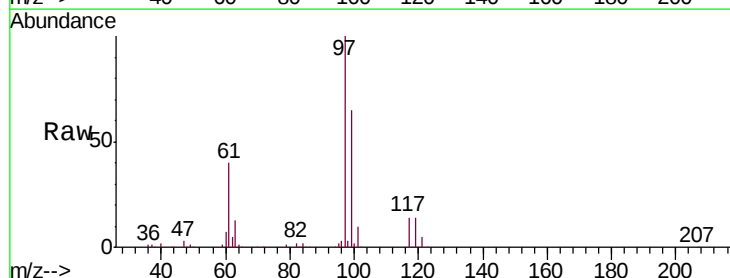
Tgt Ion: 97 Resp: 280260

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.2

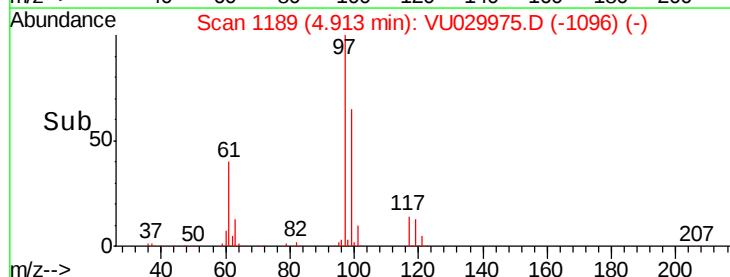
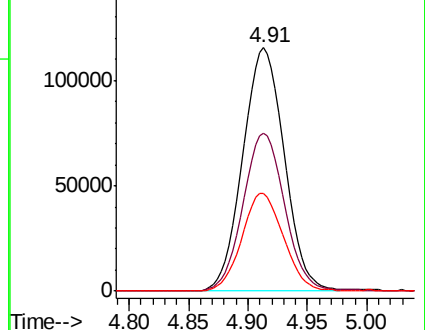
61 40.3 32.2 48.4

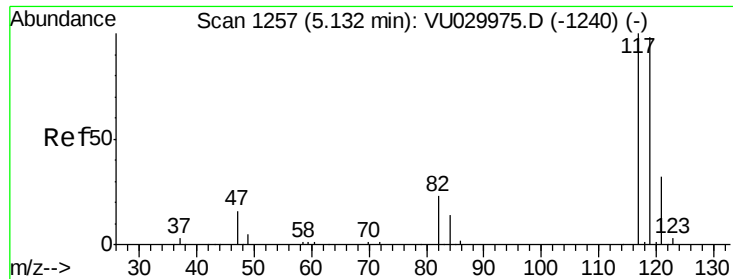


Abundance Ion 97.00 (96.70 to 97.70): VU029975.D (-1170) (-)

Ion 99.00 (98.70 to 99.70): VU029975.D (-1170) (-)

Ion 61.05 (60.75 to 61.75): VU029975.D (-1170) (-)

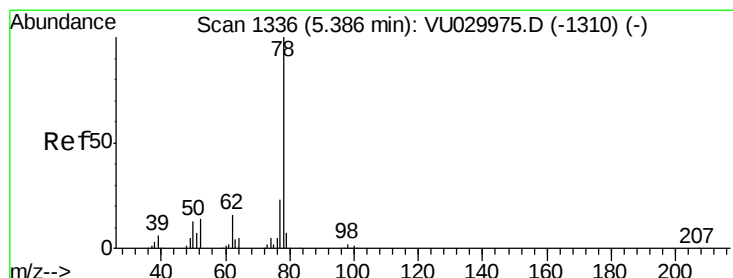
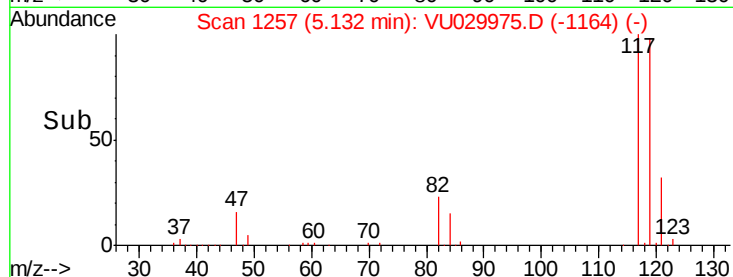
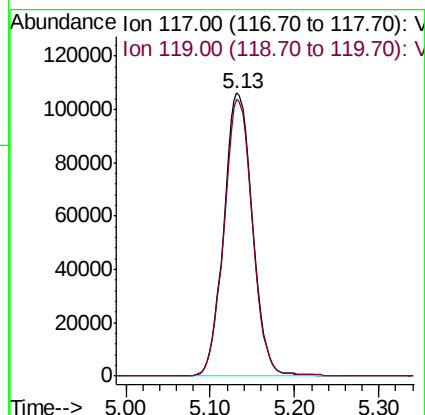
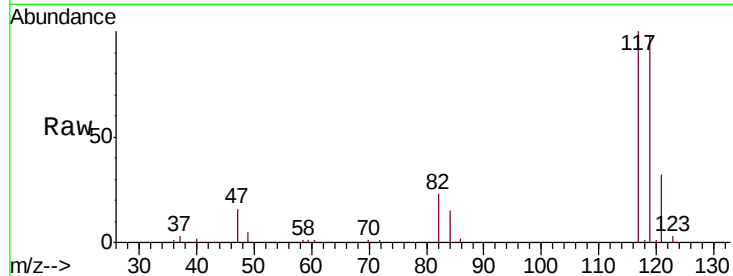




#31
Carbon tetrachloride
Concen: 53.166 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

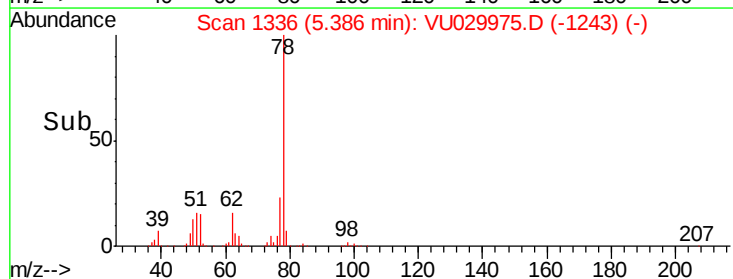
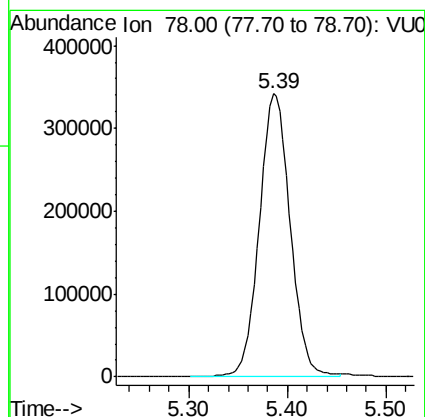
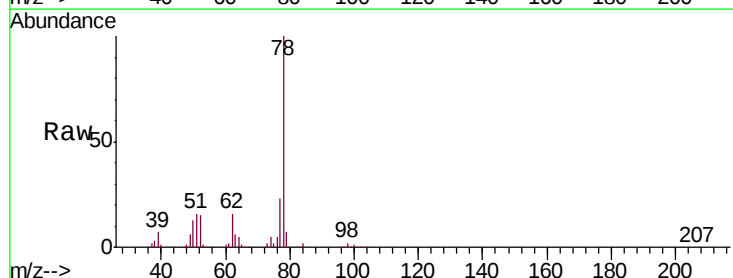
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

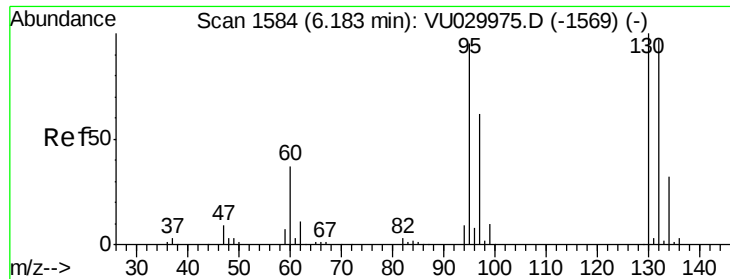
Tgt Ion:117 Resp: 250698
Ion Ratio Lower Upper
117 100
119 96.6 77.3 115.9



#33
Benzene
Concen: 52.466 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

Tgt Ion: 78 Resp: 739625





#34

Trichloroethene

Concen: 50.912 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 95 Resp: 193769

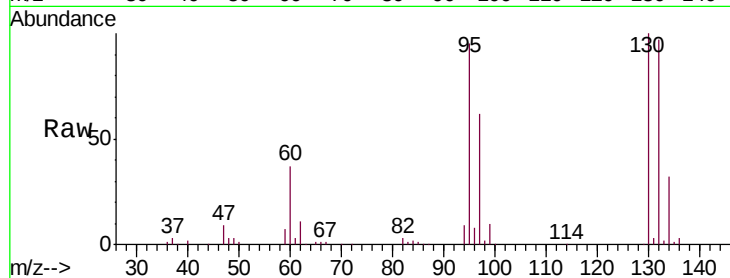
Ion Ratio Lower Upper

95 100

97 65.0 45.5 84.5

132 102.1 71.5 132.7

130 105.0 73.5 136.5

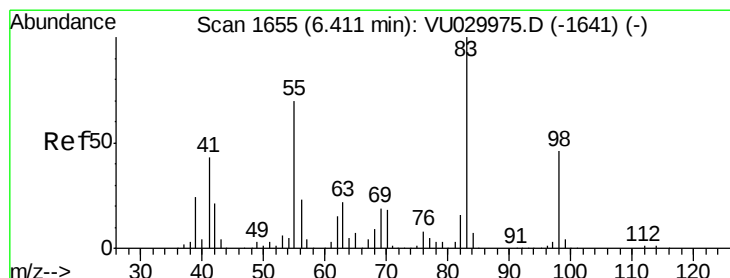
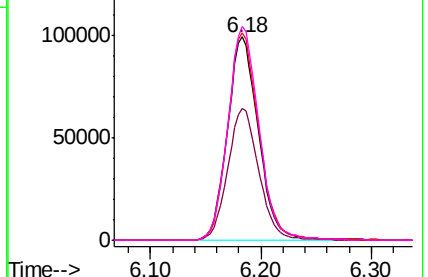
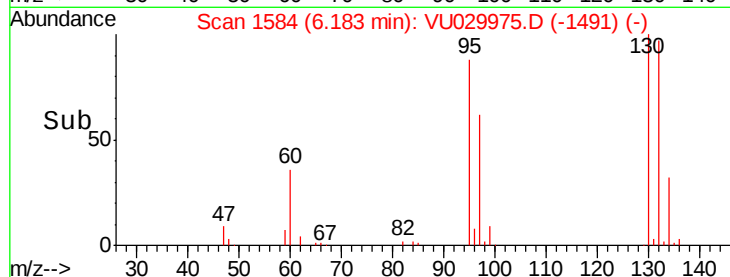


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 52.253 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

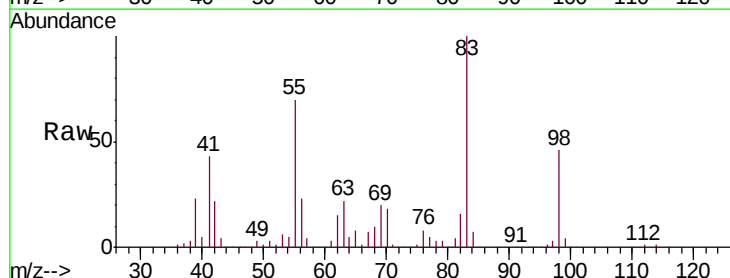
Tgt Ion: 83 Resp: 316708

Ion Ratio Lower Upper

83 100

55 70.7 56.6 84.8

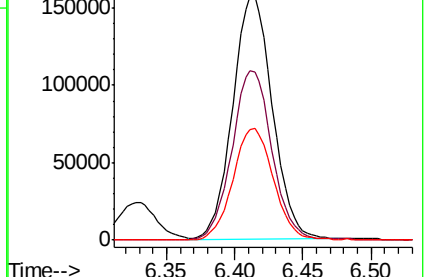
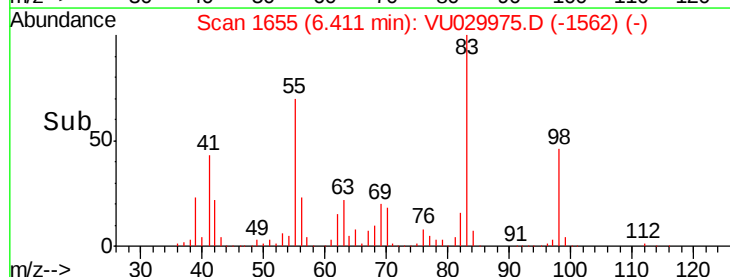
98 47.2 37.8 56.6

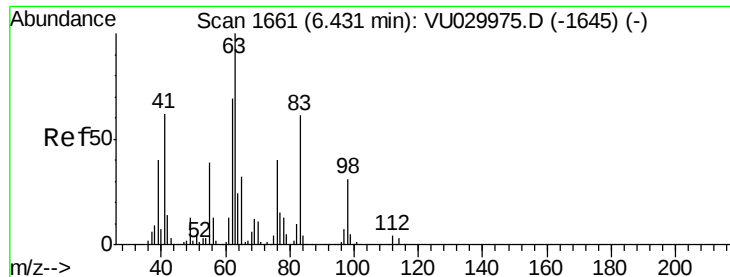


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

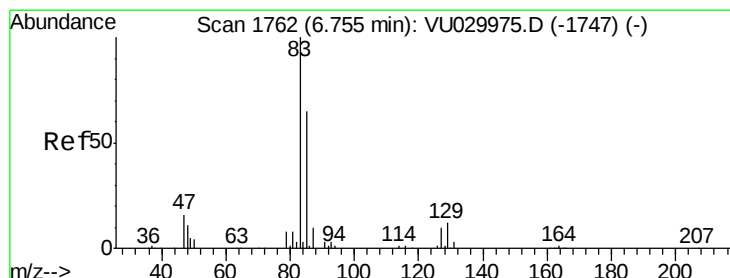
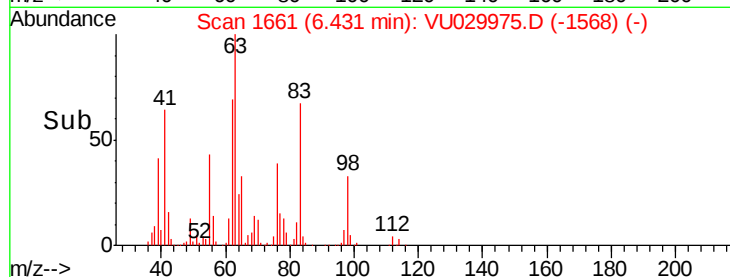
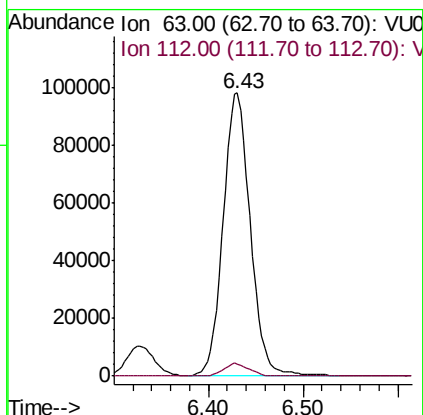
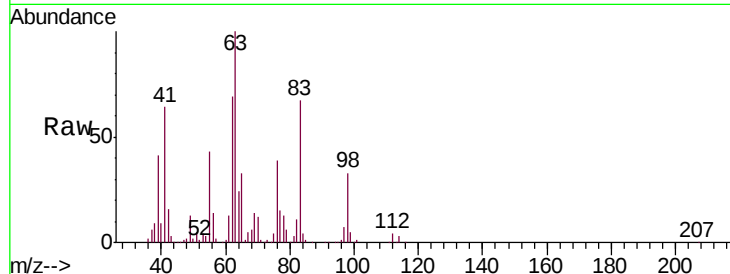




#37
 1,2-Dichloropropane
 Concen: 52.741 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

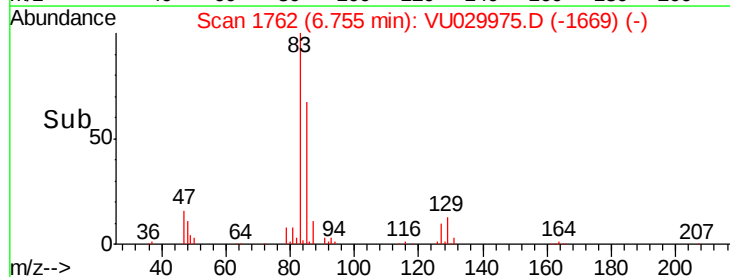
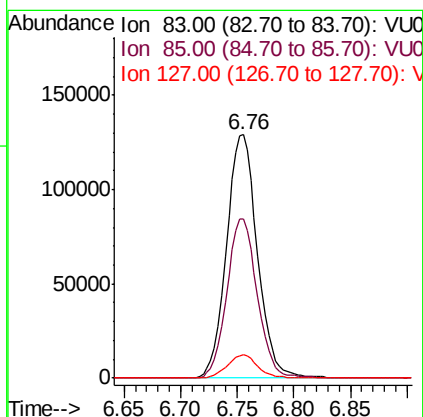
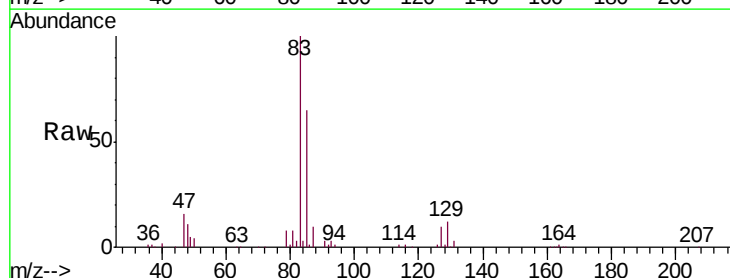
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

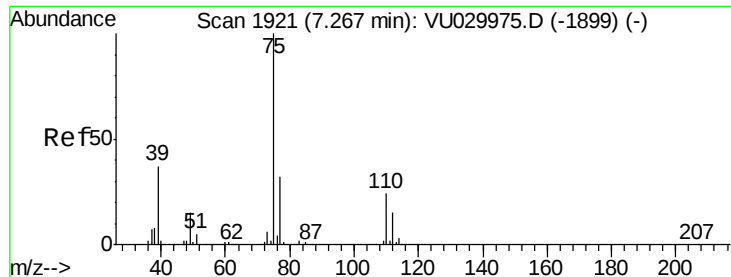
Tgt Ion: 63 Resp: 194830
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 53.201 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Tgt Ion: 83 Resp: 245247
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.7 84.9
 127 9.6 7.7 11.5

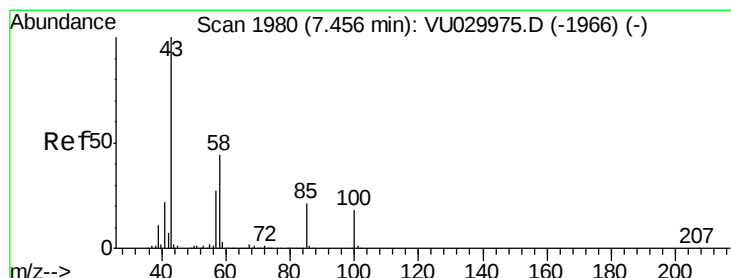
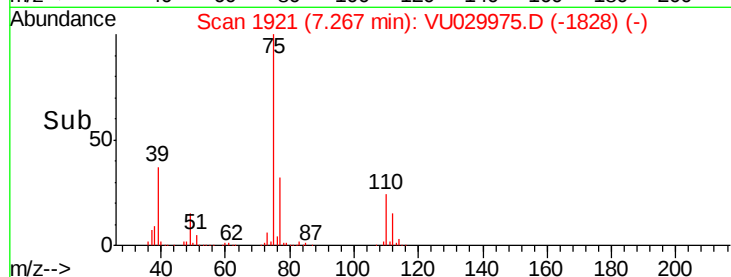
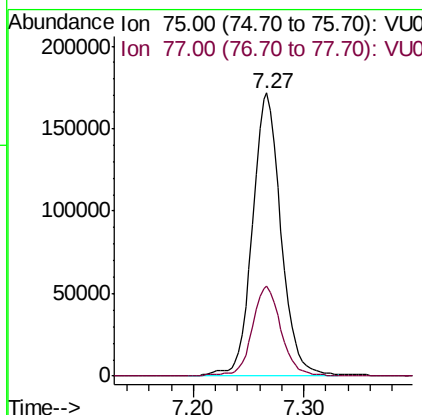
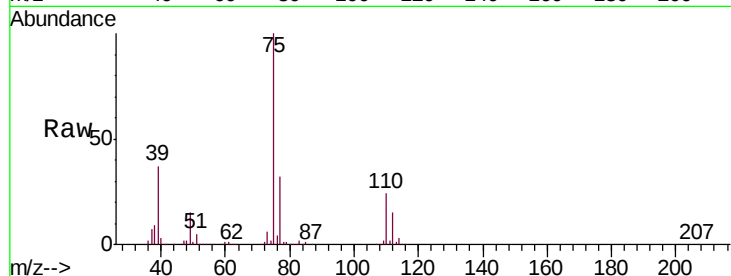




#39
 cis-1,3-Dichloropropene
 Concen: 54.432 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

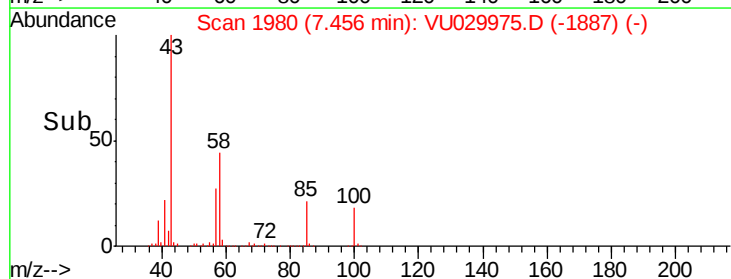
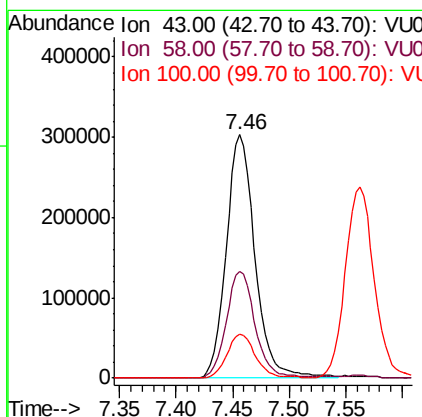
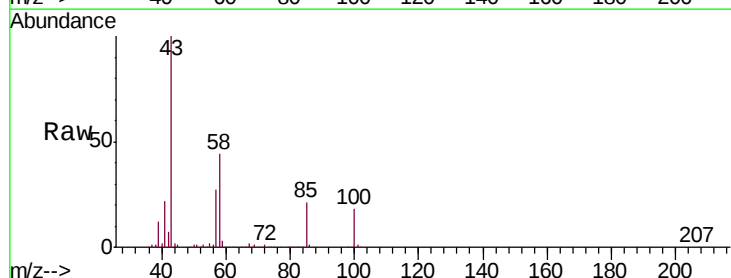
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

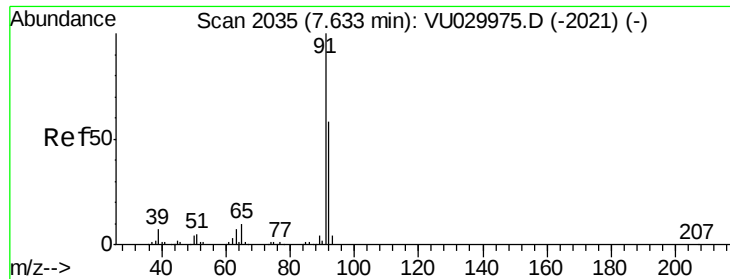
Tgt Ion: 75 Resp: 307879
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 108.374 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Tgt Ion: 43 Resp: 536366
 Ion Ratio Lower Upper
 43 100
 58 43.9 35.1 52.7
 100 18.0 14.4 21.6





#42

Toluene

Concen: 53.113 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

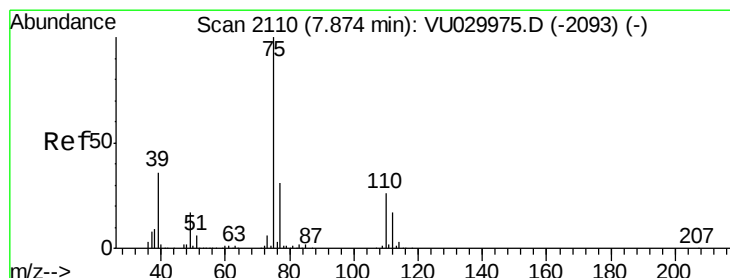
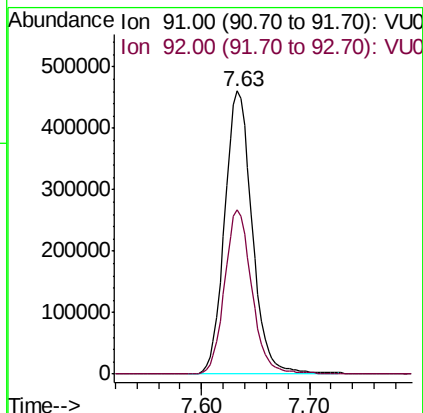
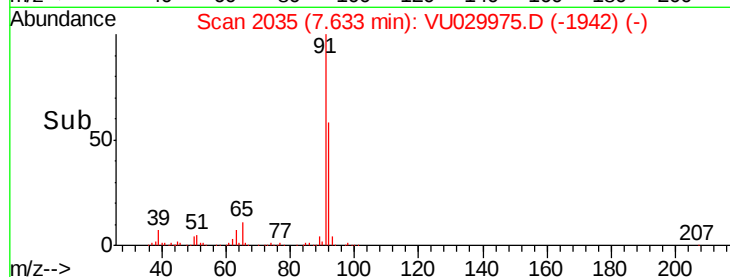
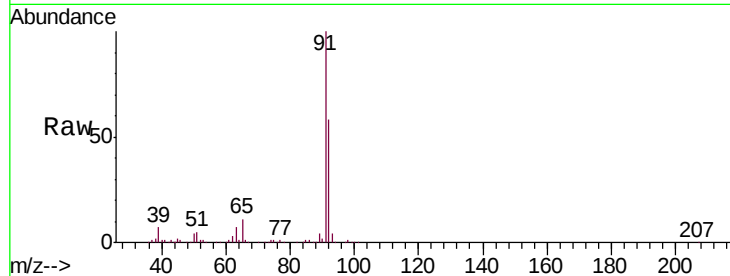
VSTD05045

Tgt Ion: 91 Resp: 818712

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 56.009 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU029975.D

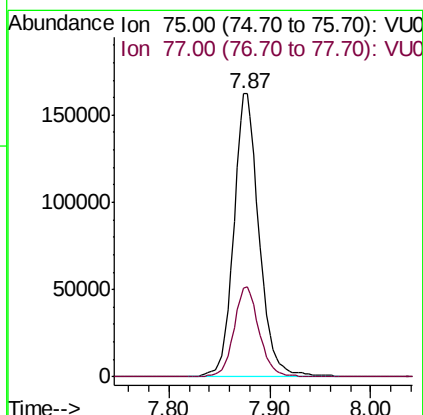
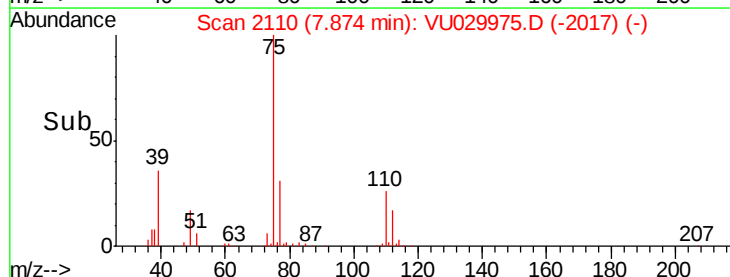
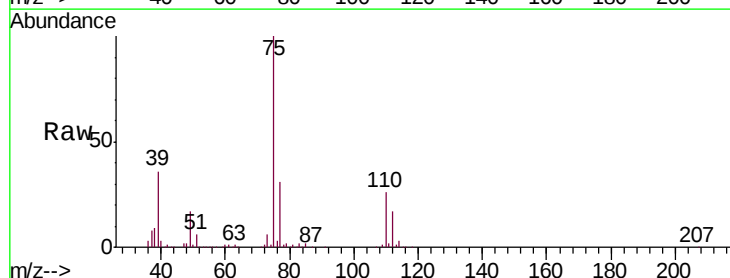
Acq: 11 Mar 2019 18:46

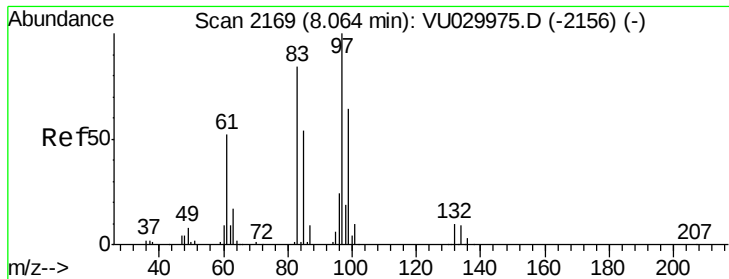
Tgt Ion: 75 Resp: 282577

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7

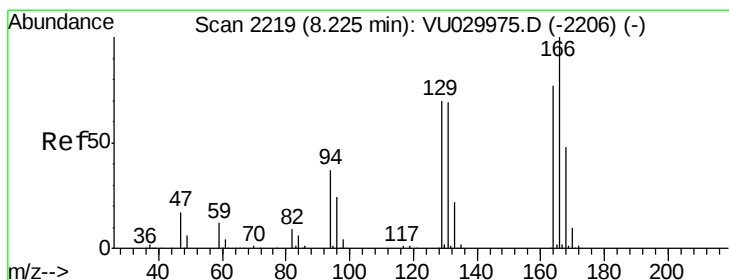
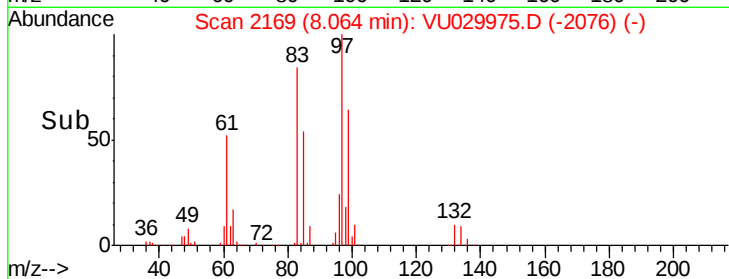
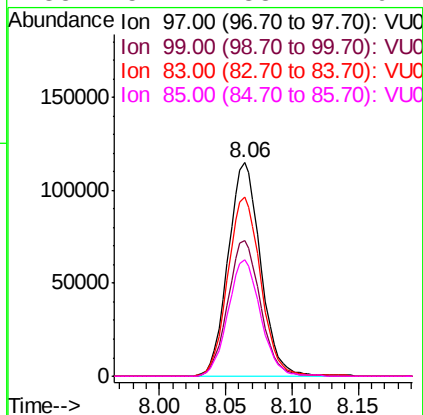
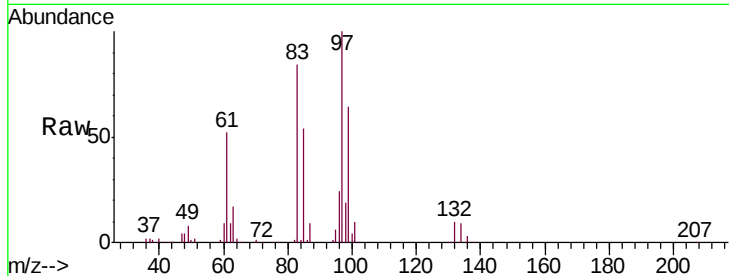




#45
 1,1,2-Trichloroethane
 Concen: 52.358 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

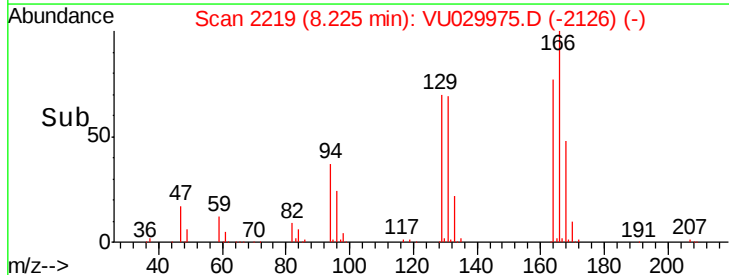
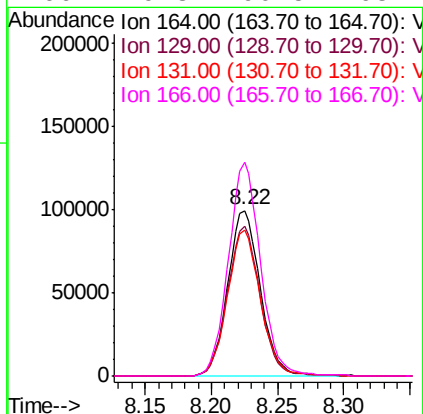
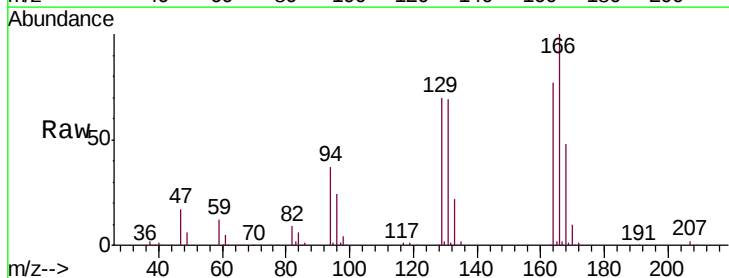
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

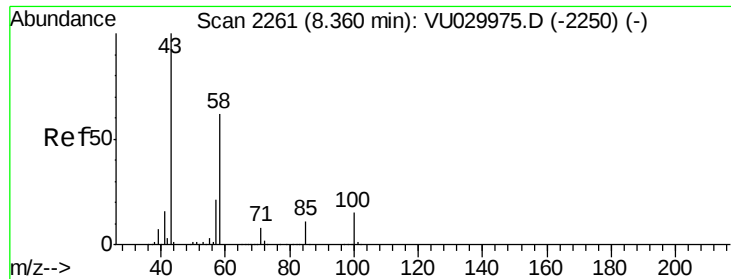
Tgt Ion:	97	Resp:	196065
Ion	Ratio	Lower	Upper
97	100		
99	63.8	44.7	82.9
83	83.7	58.6	108.8
85	54.4	38.1	70.7



#46
 Tetrachloroethene
 Concen: 51.981 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Tgt Ion:	164	Resp:	170058
Ion	Ratio	Lower	Upper
164	100		
129	90.5	63.3	117.7
131	88.6	62.0	115.2
166	129.3	90.5	168.1

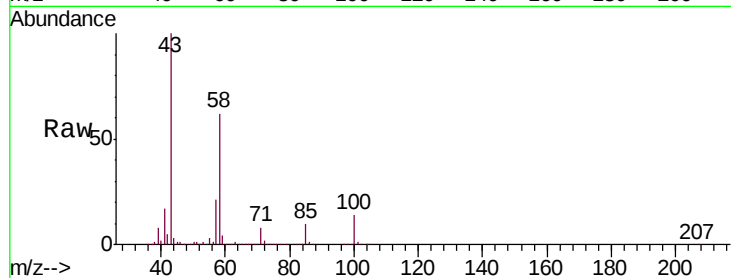




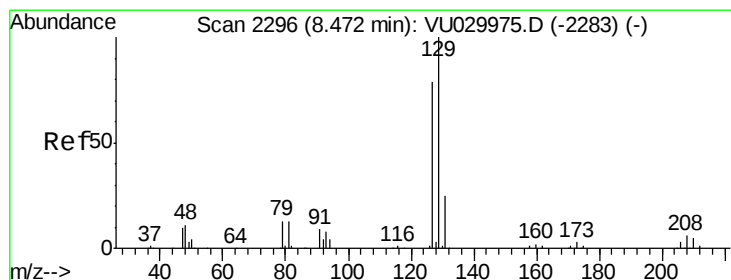
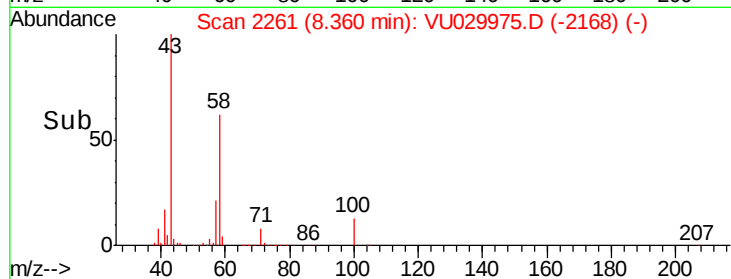
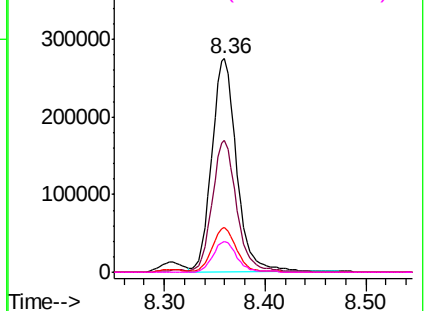
#48
2-Hexanone
Concen: 111.615 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Tgt Ion:	43	Resp:	468909
Ion	Ratio	Lower	Upper
43	100		
58	60.7	48.6	72.8
57	20.1	16.1	24.1
100	14.5	11.6	17.4

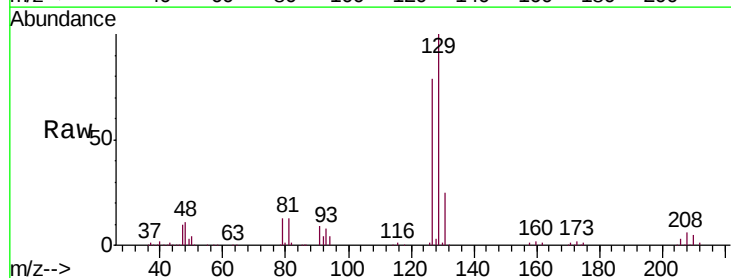


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

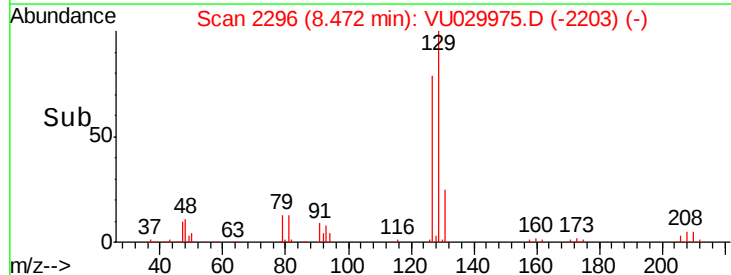
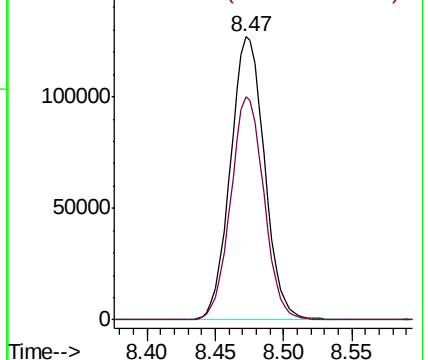


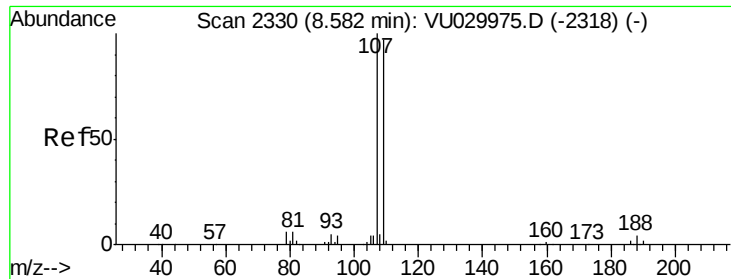
#49
Dibromochloromethane
Concen: 53.444 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

Tgt Ion:	129	Resp:	220509
Ion	Ratio	Lower	Upper
129	100		
127	78.8	55.2	102.4



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

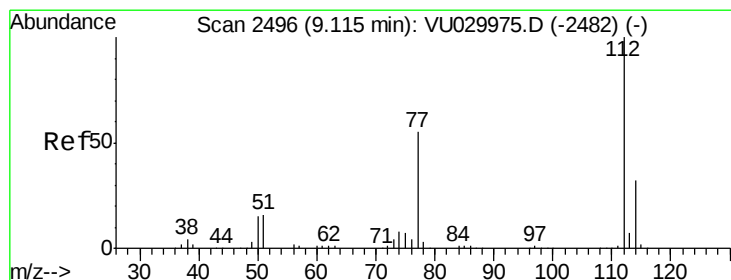
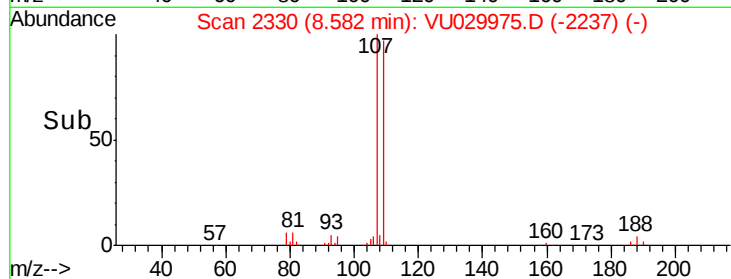
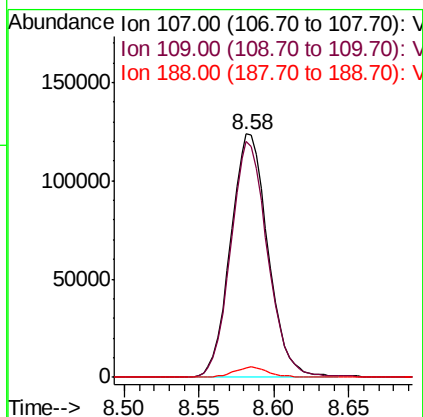
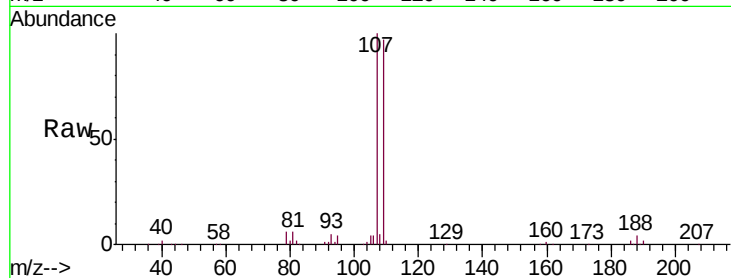




#50
1,2-Dibromoethane
Concen: 53.368 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

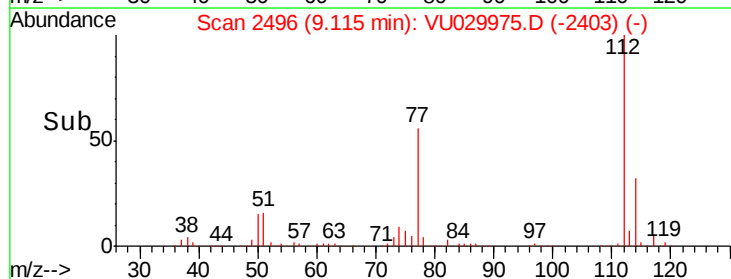
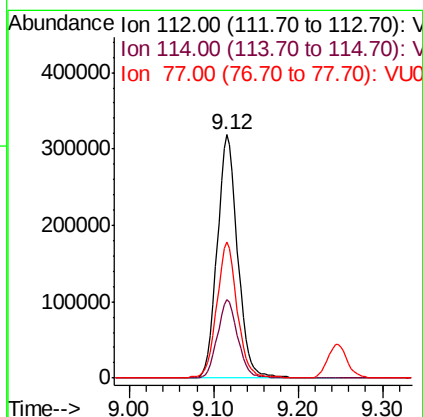
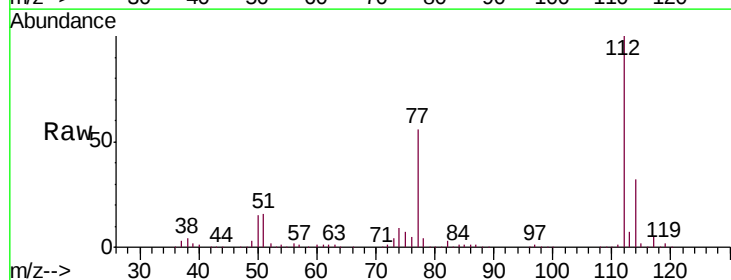
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

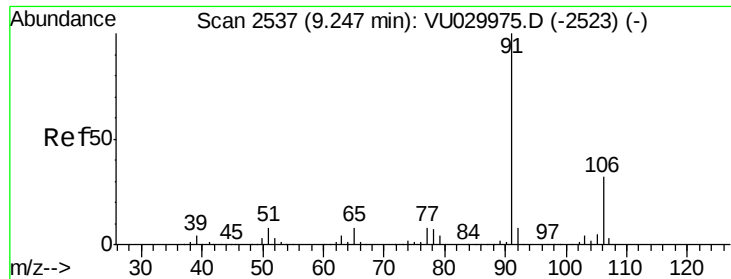
Tgt Ion:107 Resp: 215535
Ion Ratio Lower Upper
107 100
109 96.9 67.8 126.0
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 51.405 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029975.D
Acq: 11 Mar 2019 18:46

Tgt Ion:112 Resp: 535782
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 55.7 44.6 66.8





#52

Ethylbenzene

Concen: 52.502 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

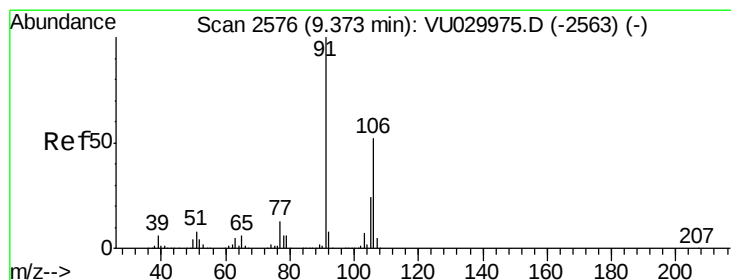
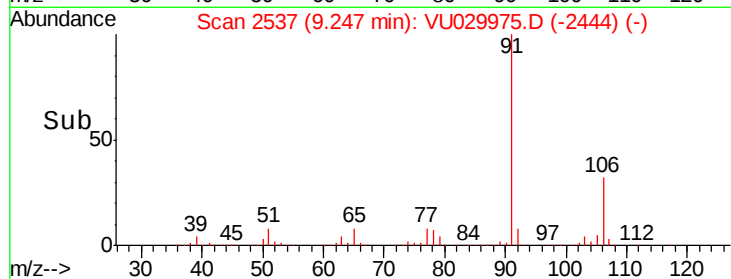
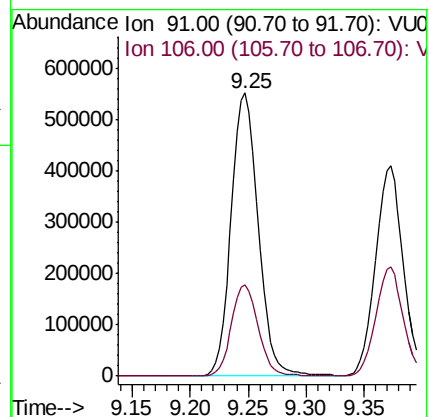
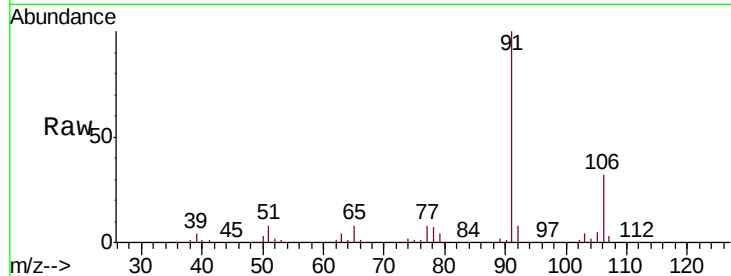
VSTD05045

Tgt Ion: 91 Resp: 895755

Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



#53

m,p-Xylene

Concen: 53.882 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU029975.D

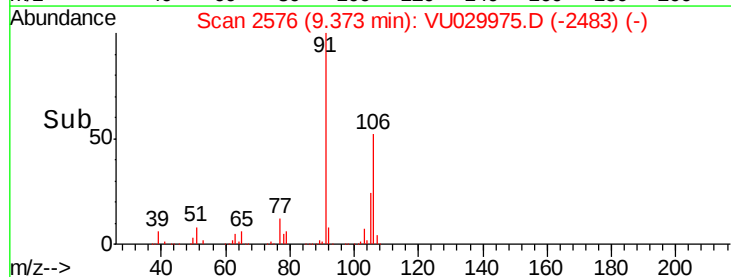
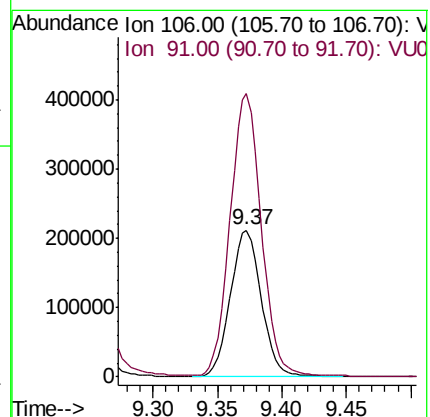
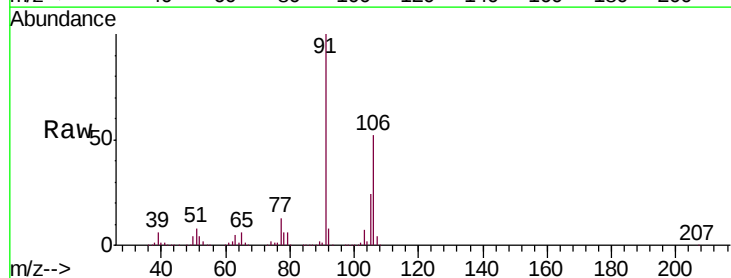
Acq: 11 Mar 2019 18:46

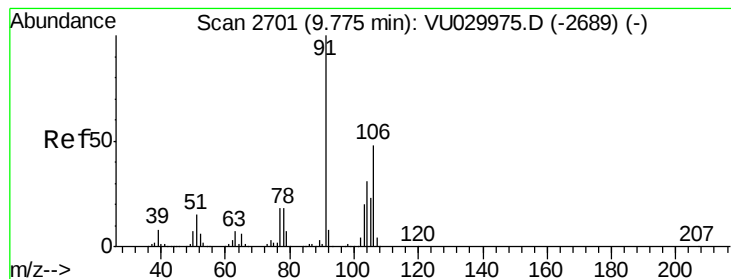
Tgt Ion: 106 Resp: 354127

Ion Ratio Lower Upper

106 100

91 193.0 135.1 250.9





#54

o-xylene

Concen: 53.034 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

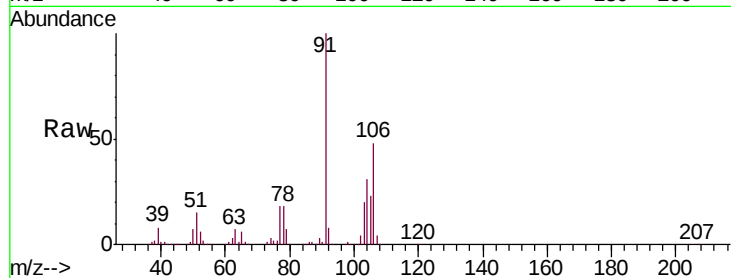
VSTD05045

Tgt Ion:106 Resp: 344879

Ion Ratio Lower Upper

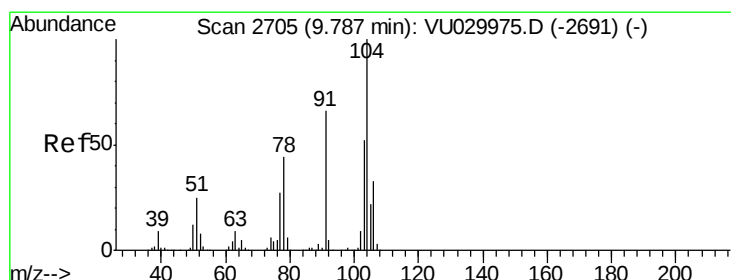
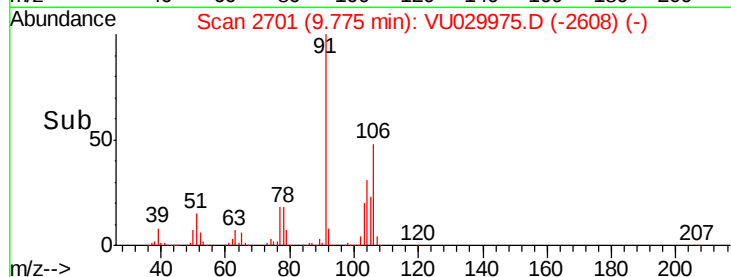
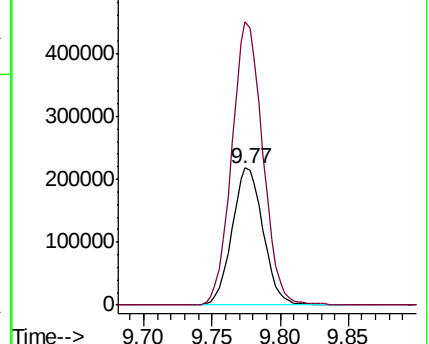
106 100

91 206.5 144.5 268.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.808 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU029975.D

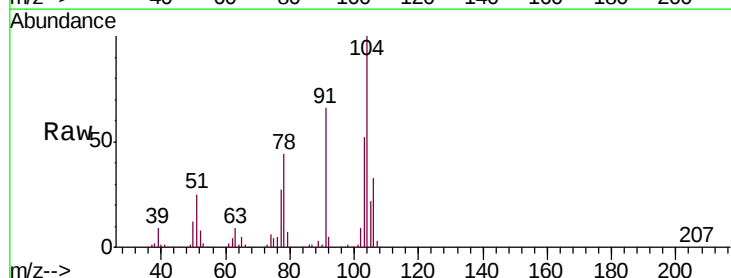
Acq: 11 Mar 2019 18:46

Tgt Ion:104 Resp: 596901

Ion Ratio Lower Upper

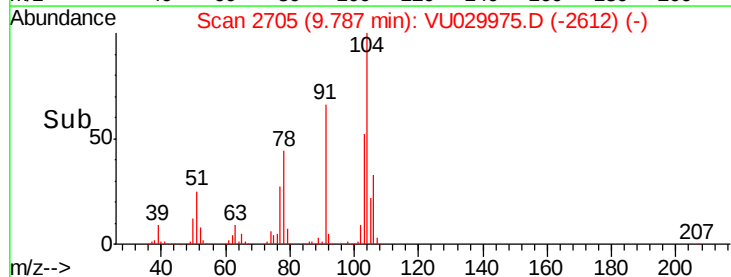
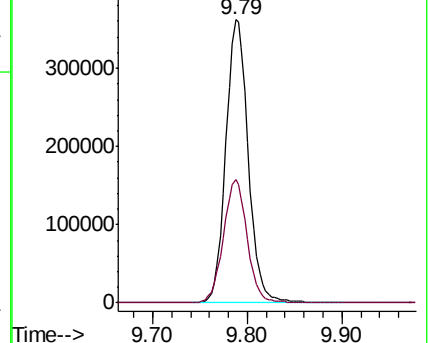
104 100

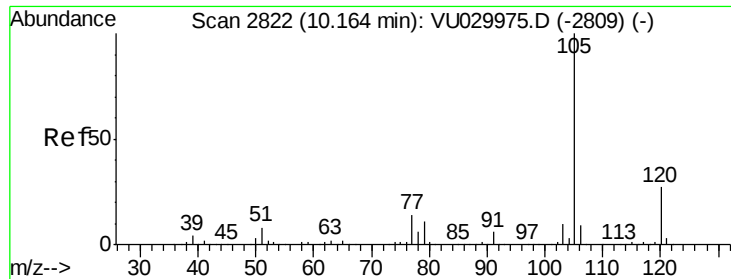
78 43.7 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.319 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

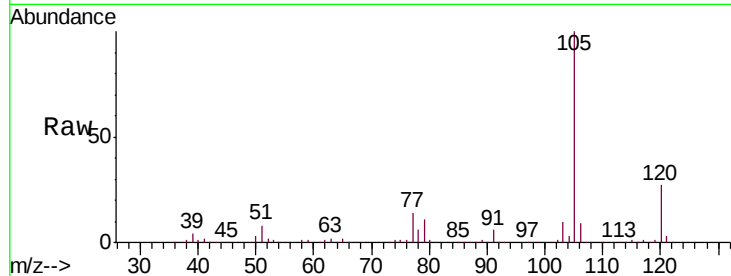
Tgt Ion: 105 Resp: 898912

Ion Ratio Lower Upper

105 100

120 27.1 21.7 32.5

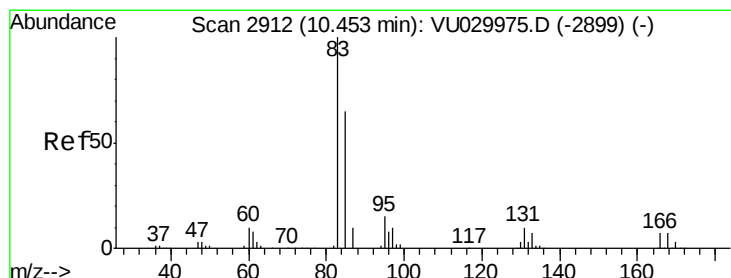
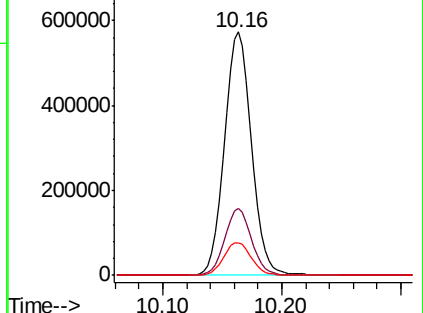
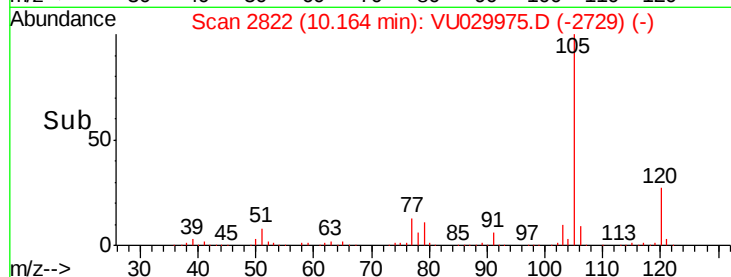
77 13.9 11.1 16.7



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: 52.004 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

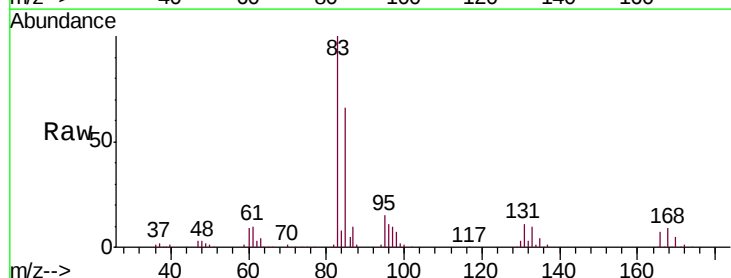
Tgt Ion: 83 Resp: 336389

Ion Ratio Lower Upper

83 100

85 65.6 45.9 85.3

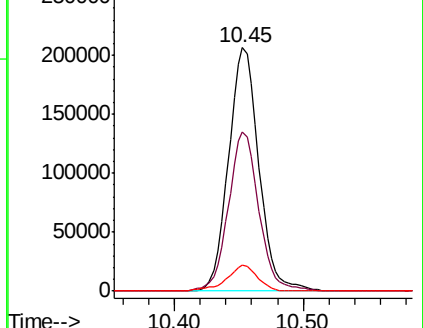
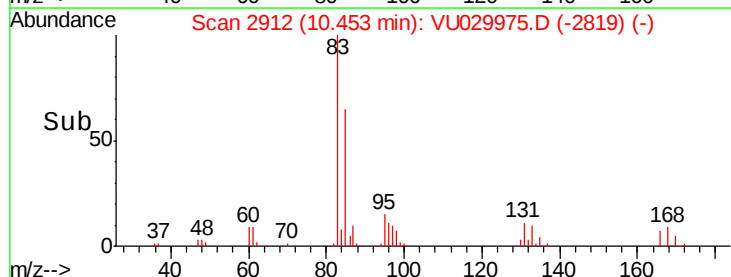
131 10.6 8.5 12.7

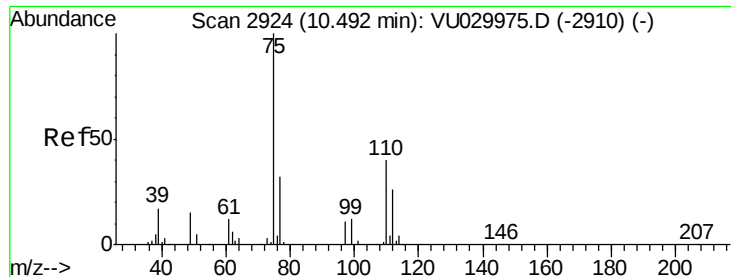


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

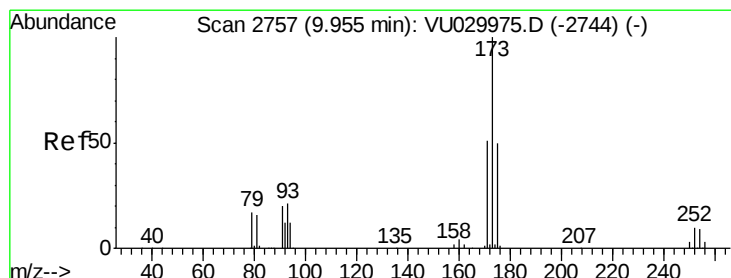
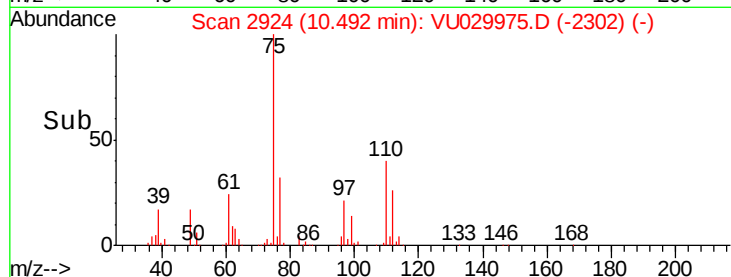
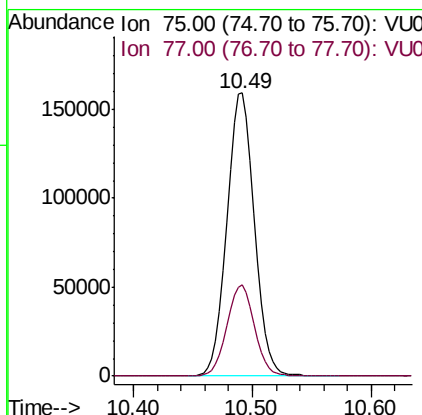
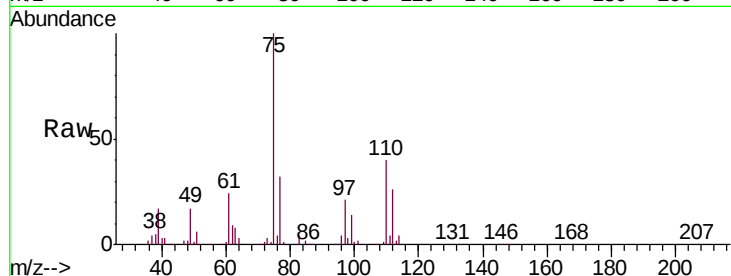




#59
 1,2,3-Trichloropropane
 Concen: 52.291 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

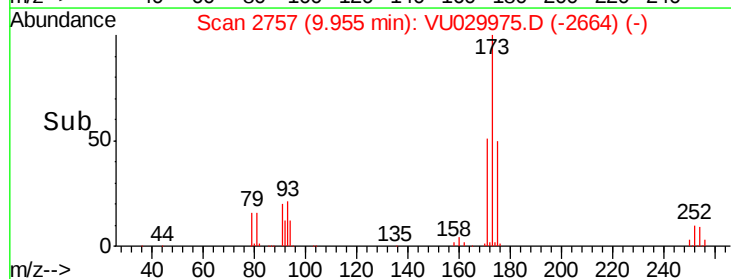
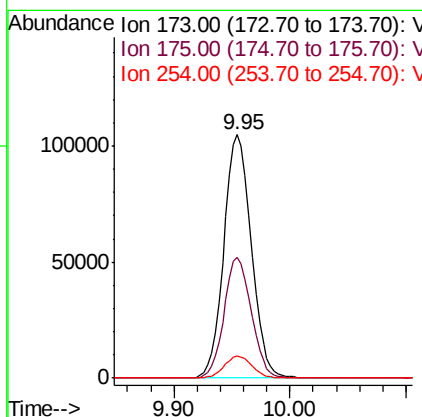
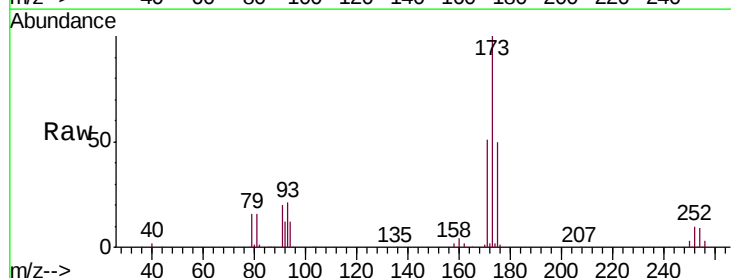
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

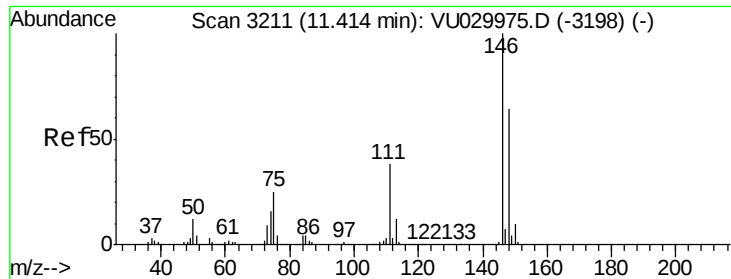
Tgt Ion: 75 Resp: 254908
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 53.307 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Tgt Ion: 173 Resp: 172656
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 9.2 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 51.396 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

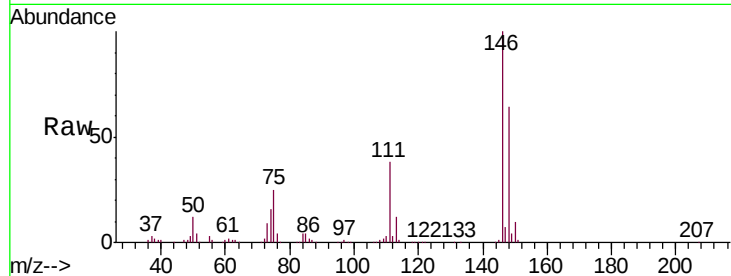
Tgt Ion:146 Resp: 435215

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.5

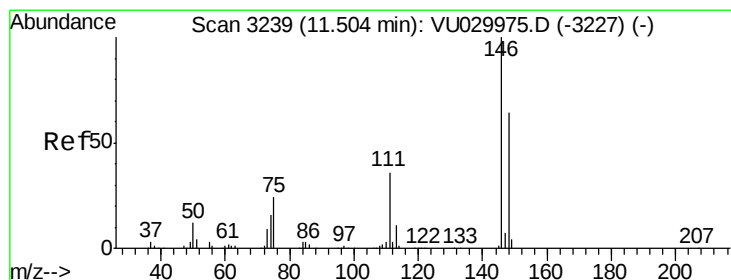
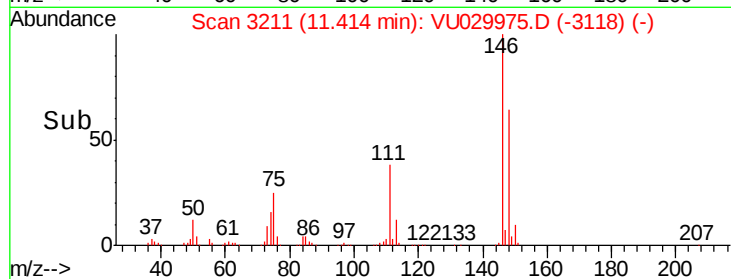
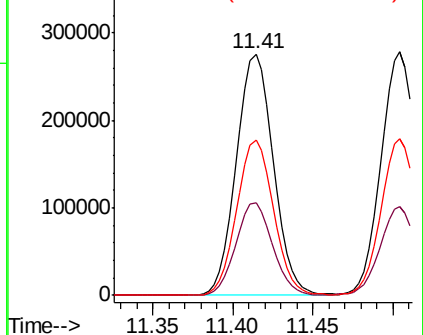
148 64.2 44.9 83.5



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: 50.764 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

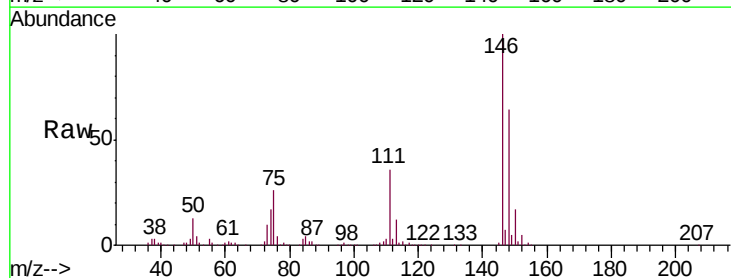
Tgt Ion:146 Resp: 440165

Ion Ratio Lower Upper

146 100

111 36.4 25.5 47.3

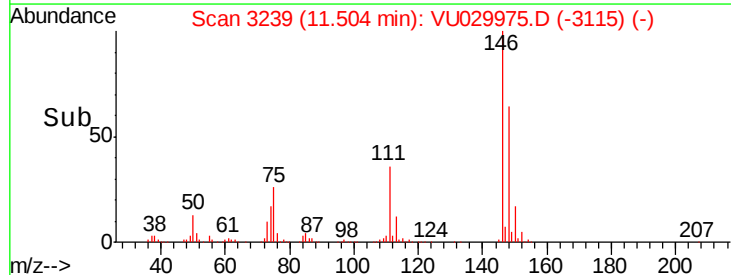
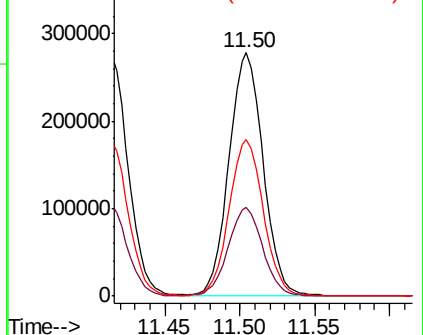
148 64.3 45.0 83.6

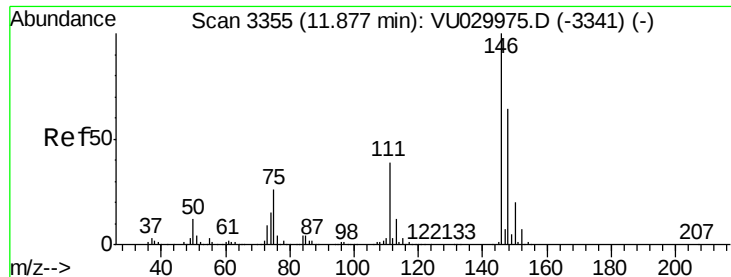


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

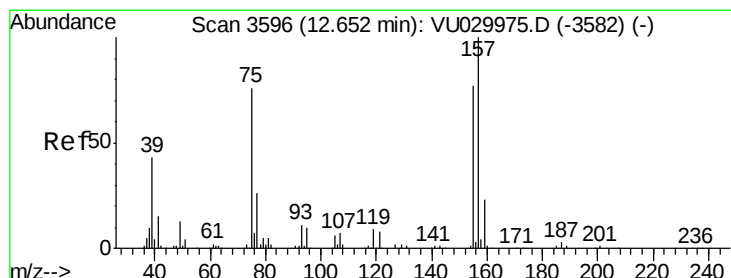
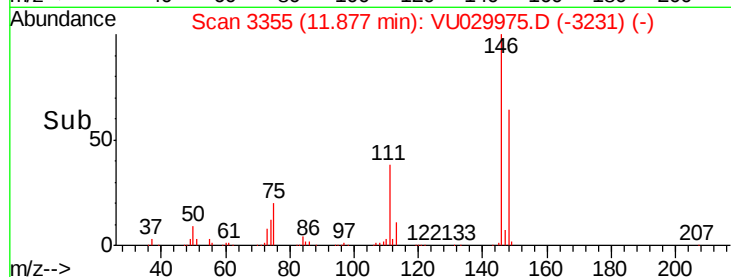
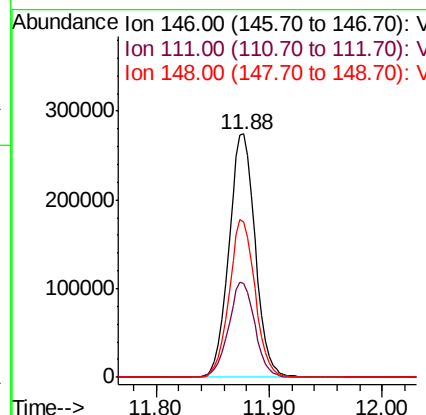
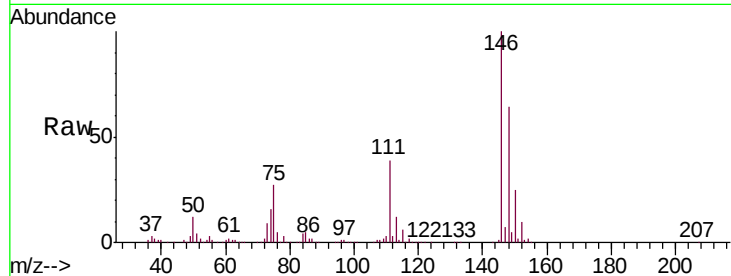




#65
 1,2-Dichlorobenzene
 Concen: 51.204 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

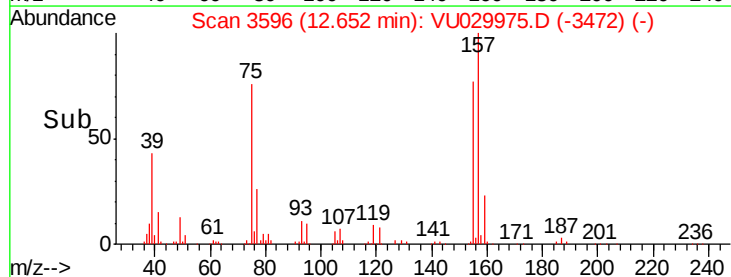
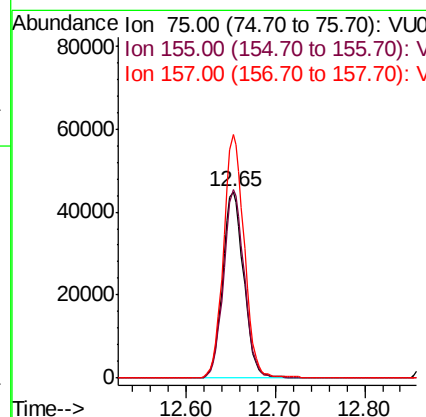
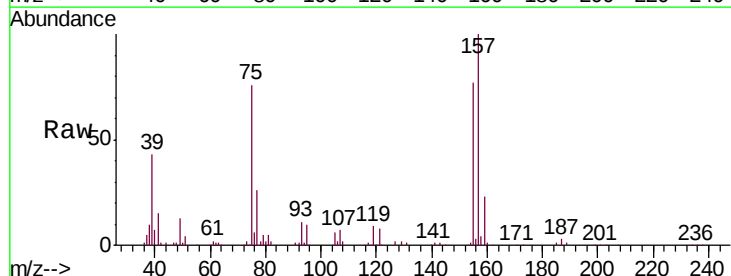
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

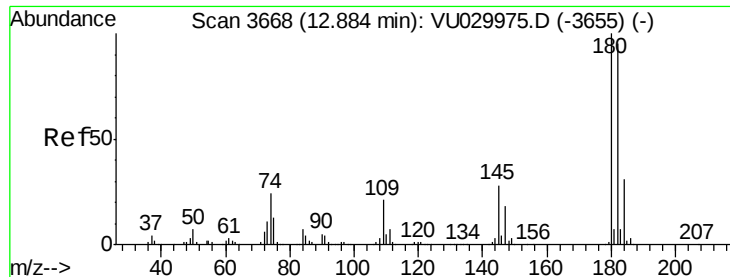
Tgt Ion: 146 Resp: 442281
 Ion Ratio Lower Upper
 146 100
 111 38.6 30.9 46.3
 148 64.0 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.572 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Tgt Ion: 75 Resp: 73610
 Ion Ratio Lower Upper
 75 100
 155 101.1 80.9 121.3
 157 130.7 104.6 156.8

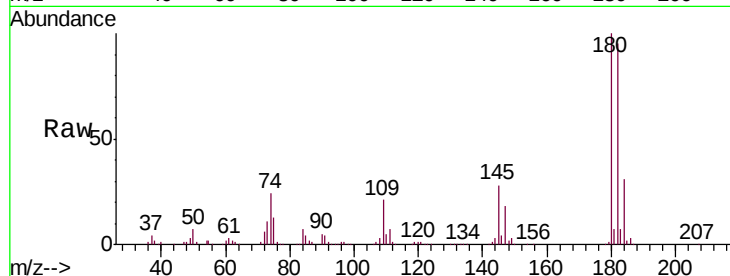




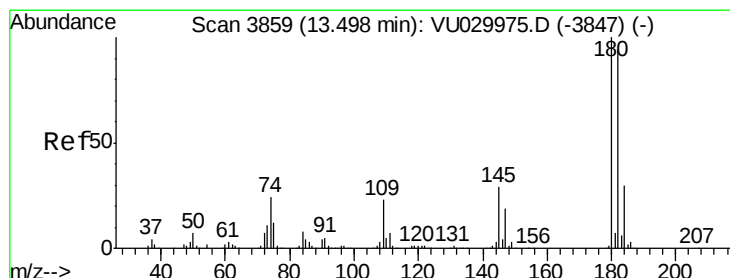
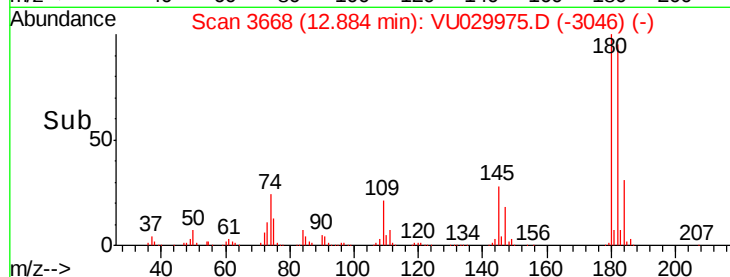
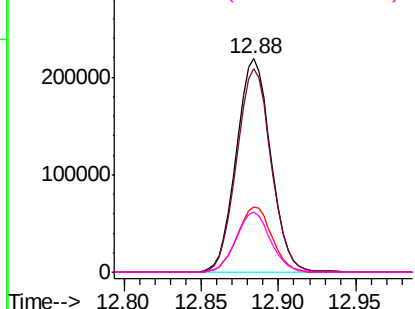
#67
 1,3,5-Trichlorobenzene
 Concen: 52.540 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:	180	Resp:	339713
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.3	114.5
184	30.9	24.7	37.1
145	27.9	22.3	33.5

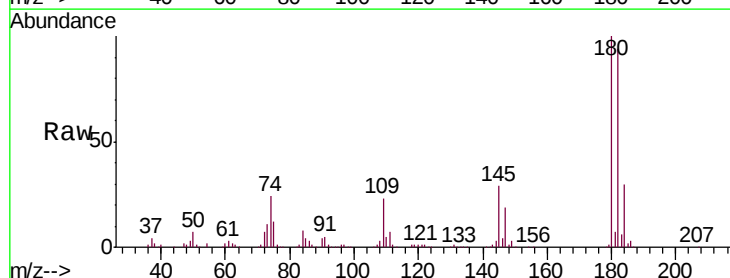


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

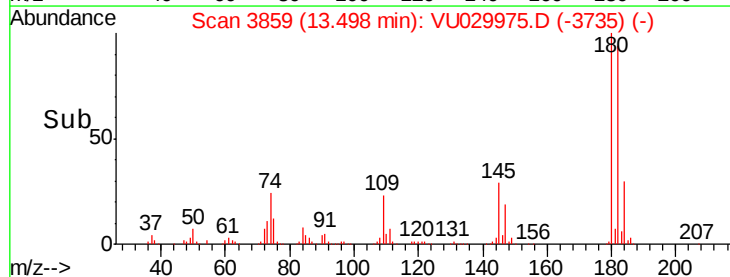
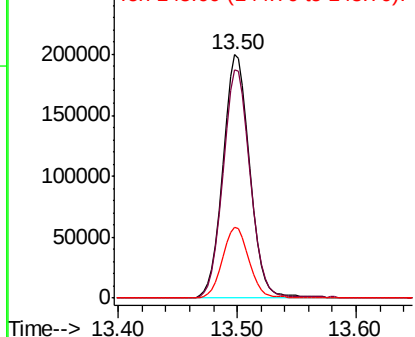


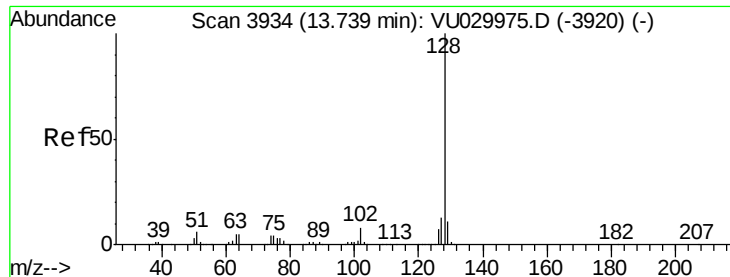
#68
 1,2,4-trichlorobenzene
 Concen: 54.042 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU029975.D
 Acq: 11 Mar 2019 18:46

Tgt Ion:	180	Resp:	312956
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	28.7	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: 57.606 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

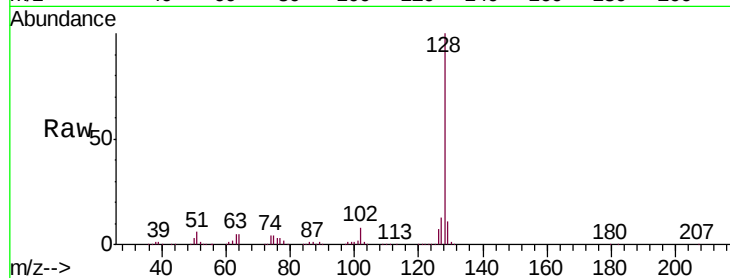
Tgt Ion:128 Resp: 1050739

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

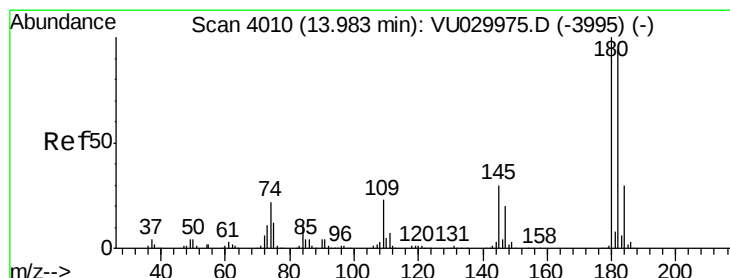
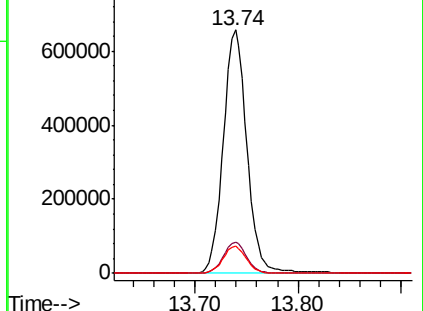
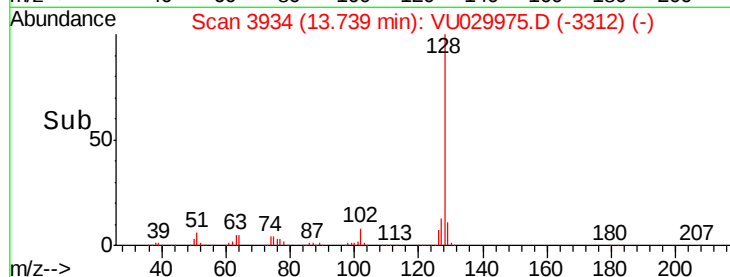
129 10.9 8.7 13.1



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: 53.899 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU029975.D

Acq: 11 Mar 2019 18:46

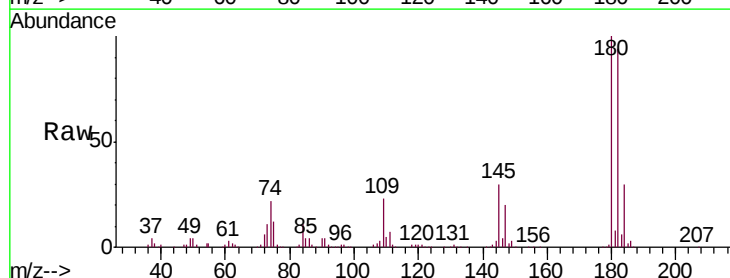
Tgt Ion:180 Resp: 328924

Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 30.0 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

