

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103020\
 Data File : VU041016.D
 Acq On : 29 Oct 2020 15:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Oct 30 08:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 29 15:11:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58462	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	57124	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	28976	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17845	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.92	69	14709	3.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.00%
11) 1,1-Dichloroethene-d2	2.58	63	39303	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.66	46	89276	55.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.40%
24) Chloroform-d	5.08	84	40328	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	24928	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.74	84	68212	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.70	67	24907	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.90	98	60345	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	8.18	79	10652	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.64	63	63010	54.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.56%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22989	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	23436	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	25533	4.784	ug/L 100
3) Chloromethane	1.53	50	26184	4.705	ug/L 98
5) Vinyl chloride	1.61	62	26440	4.816	ug/L 98
6) Bromomethane	1.87	94	14466	4.597	ug/L 96
8) Chloroethane	1.94	64	15782	4.537	ug/L 96
9) Trichlorofluoromethane	2.15	101	35527	4.761	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	21599	4.938	ug/L 98
12) 1,1-Dichloroethene	2.59	96	19933	4.827	ug/L 95
13) Acetone	2.67	43	58757	53.136	ug/L # 67
14) Carbon disulfide	2.81	76	63260	4.584	ug/L 99
15) Methyl Acetate	2.97	43	12032	4.755	ug/L 94
16) Methylene chloride	3.06	84	24489	5.089	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	54908	5.166	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	20108	4.791	ug/L 97
19) 1,1-Dichloroethane	3.89	63	41369	4.931	ug/L 95
21) 2-Butanone	4.74	43	87731	50.763	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	21745	5.023	ug/L 94

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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Quant Time: Oct 30 08:10:32 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 29 15:11:25 2020
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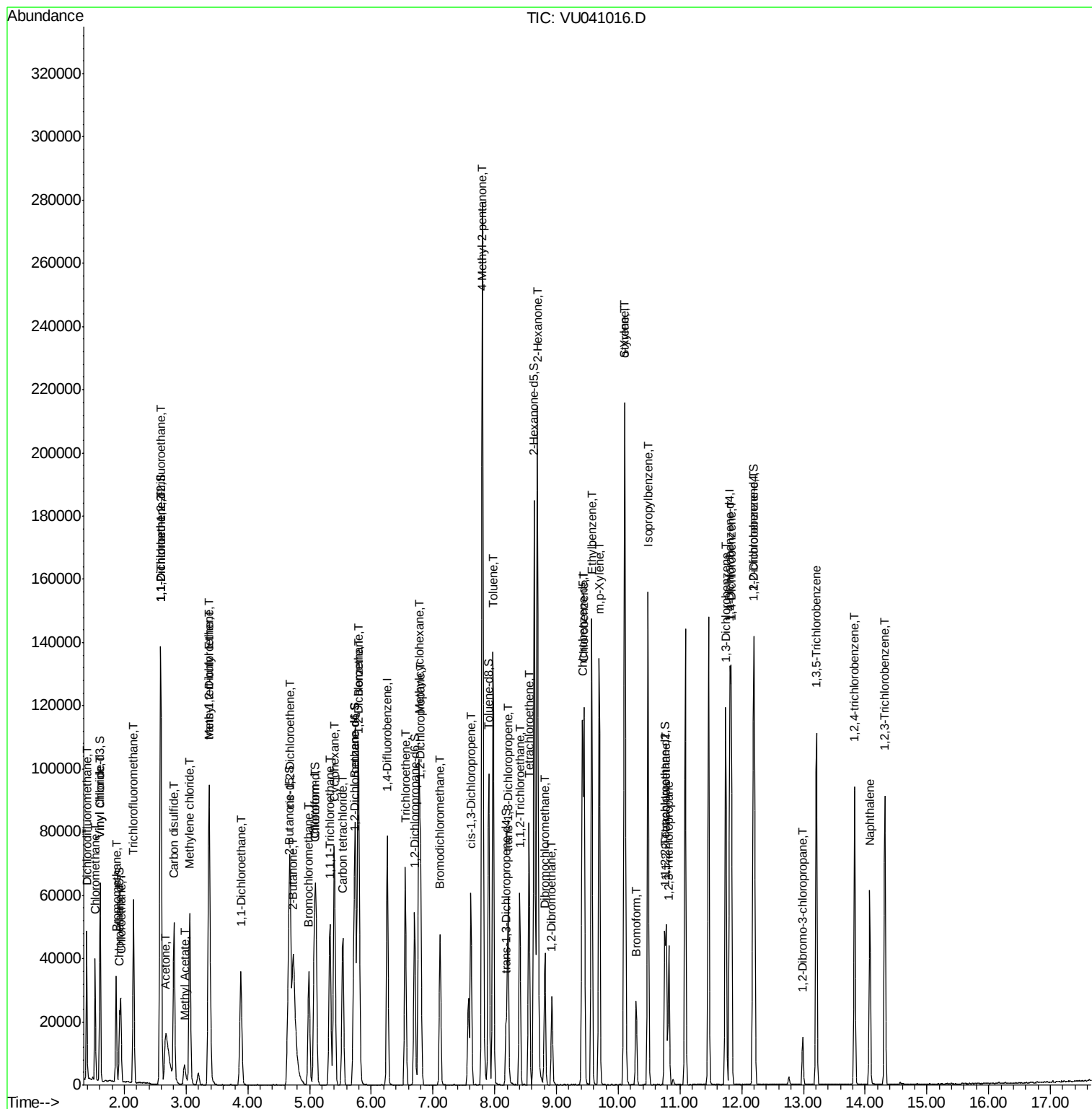
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	10355	5.070	ug/L	97
25) Chloroform	5.10	83	42832	5.091	ug/L	98
27) 1,2-Dichloroethane	5.81	62	31483	5.024	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	36308	5.197	ug/L	97
30) Cyclohexane	5.40	56	35299	5.128	ug/L	99
31) Carbon tetrachloride	5.54	117	30790	4.977	ug/L	100
33) Benzene	5.79	78	87088	5.102	ug/L	100
34) Trichloroethene	6.55	95	22749	5.237	ug/L	97
35) Methylcyclohexane	6.77	83	32405	5.001	ug/L	98
37) 1,2-Dichloropropane	6.80	63	24791	5.368	ug/L #	97
38) Bromodichloromethane	7.11	83	30298	5.057	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	33190	5.219	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	198145	53.808	ug/L	98
42) Toluene	7.97	91	91687	5.297	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	30725	5.163	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	17472	5.082	ug/L	94
47) Tetrachloroethene	8.56	164	16194	5.070	ug/L	96
48) 2-Hexanone	8.69	43	148193	53.446	ug/L	98
49) Dibromochloromethane	8.81	129	20241	5.069	ug/L	98
50) 1,2-Dibromoethane	8.93	107	16291	4.973	ug/L #	98
51) Chlorobenzene	9.45	112	56477	5.146	ug/L	98
52) Ethylbenzene	9.57	91	96182	5.279	ug/L	98
53) m,p-Xylene	9.69	106	35228	5.302	ug/L	98
54) o-Xylene	10.10	106	33575	5.426	ug/L	96
55) Styrene	10.11	104	59683	5.413	ug/L	98
56) Isopropylbenzene	10.48	105	90646	5.448	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	22643	5.015	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	17534	5.094	ug/L	98
61) Bromoform	10.29	173	11282	5.052	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	44855	5.363	ug/L	96
63) 1,4-Dichlorobenzene	11.83	146	45160	5.213	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	42345	5.130	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	4240	5.241	ug/L	92
67) 1,3,5-Trichlorobenzene	13.21	180	30691	5.247	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	25599	5.283	ug/L	97
69) Naphthalene	14.08	128	45536	5.255	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	24506	5.487	ug/L	97

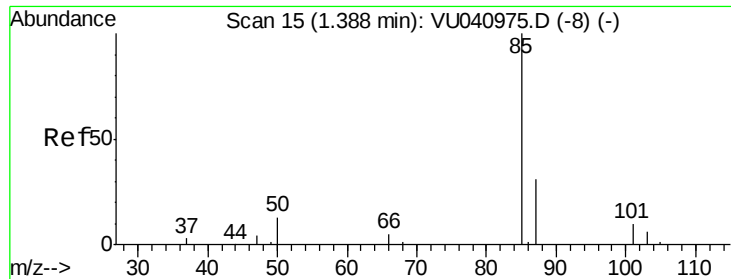
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU041016.D
Acq On : 29 Oct 2020 15:22
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Quant Time: Oct 30 08:10:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.784 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

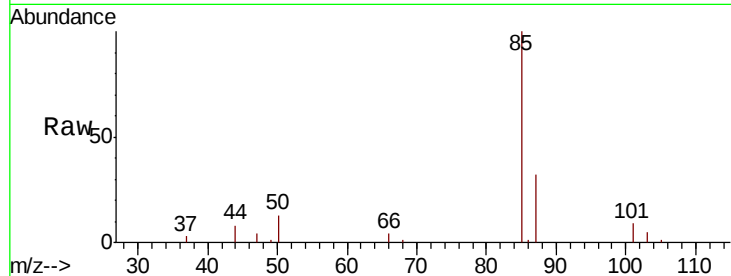
VSTD00530

Tot Ion: 85 Resp: 25533

Ion Ratio Lower Upper

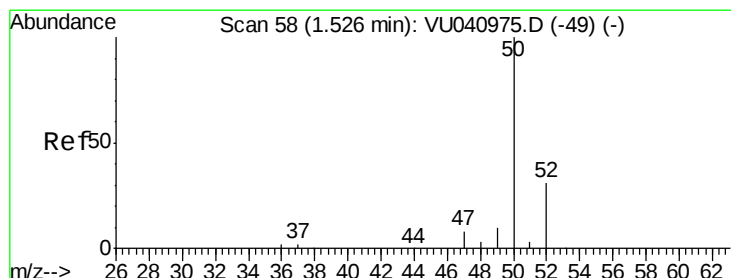
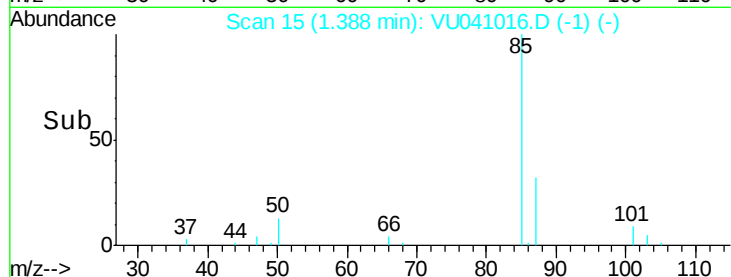
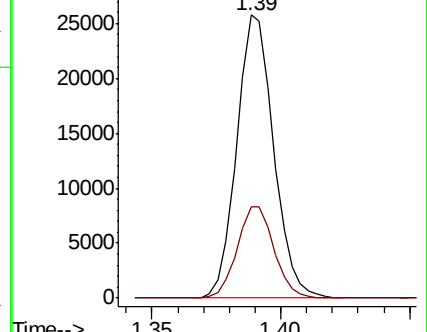
85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041016.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041016.D (-1) (-)



#3

Chloromethane

Concen: 4.705 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041016.D

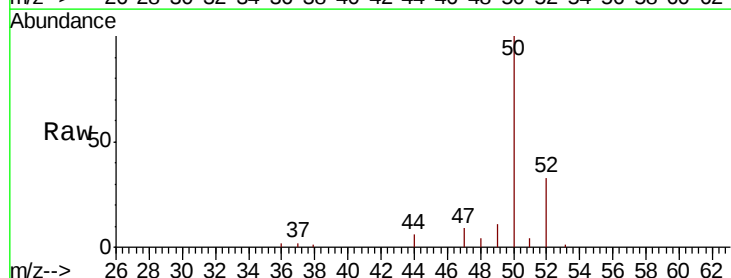
Acq: 29 Oct 2020 15:22

Tgt Ion: 50 Resp: 26184

Ion Ratio Lower Upper

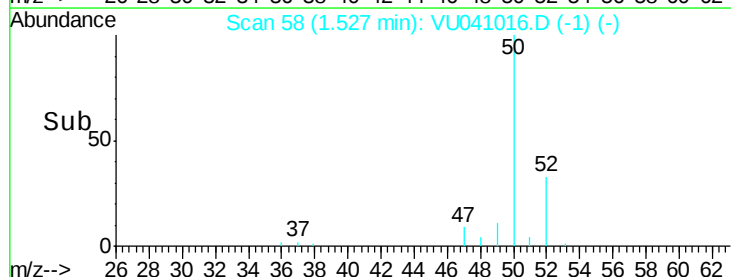
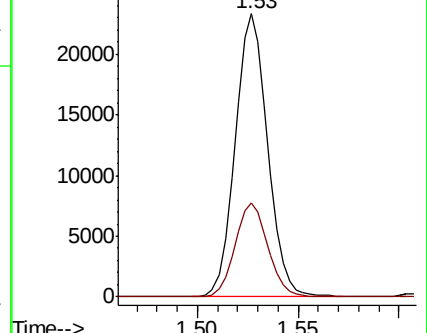
50 100

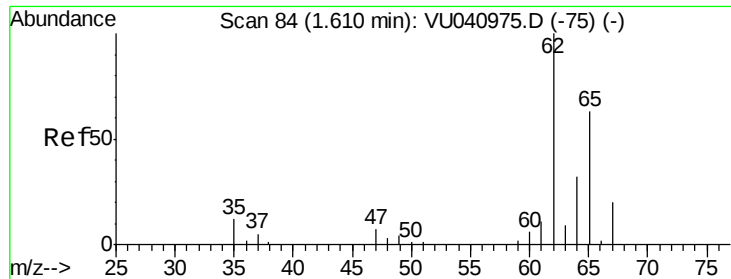
52 33.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041016.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041016.D (-1) (-)





#5

Vinyl chloride

Concen: 4.816 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

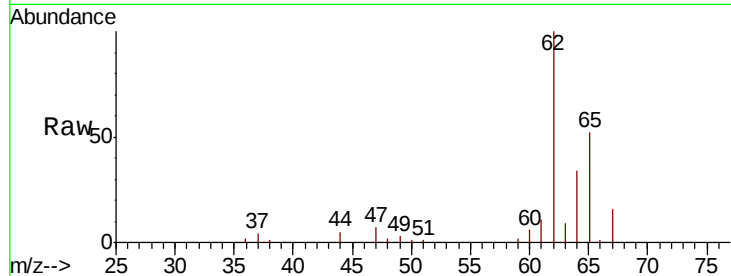
VSTD00530

Tot Ion: 62 Resp: 26440

Ion Ratio Lower Upper

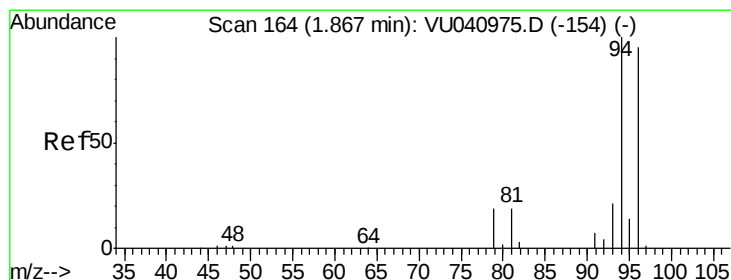
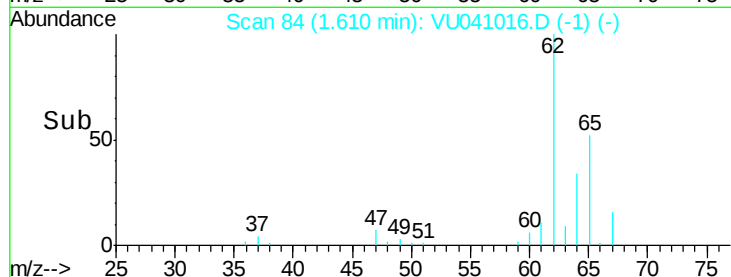
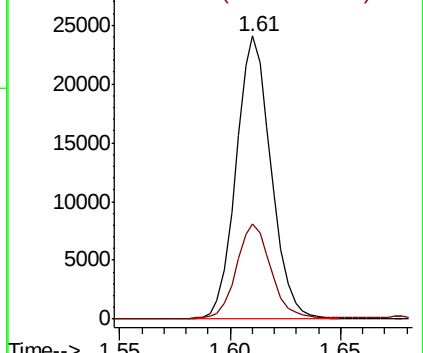
62 100

64 33.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.597 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041016.D

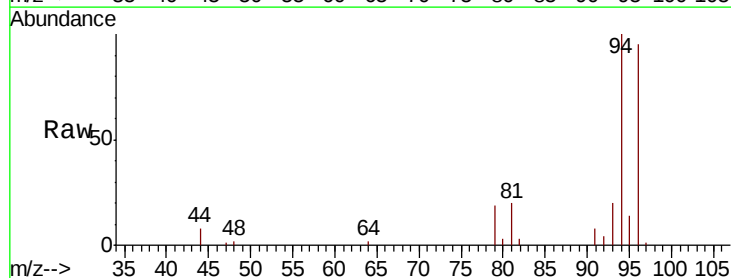
Acq: 29 Oct 2020 15:22

Tgt Ion: 94 Resp: 14466

Ion Ratio Lower Upper

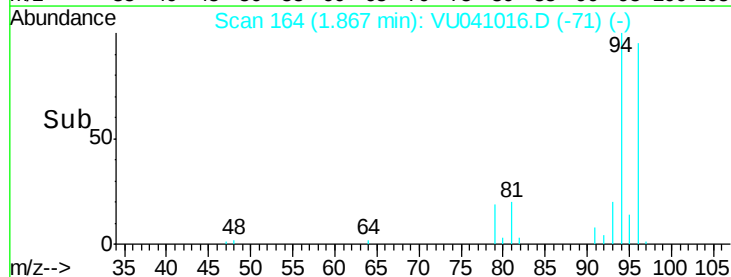
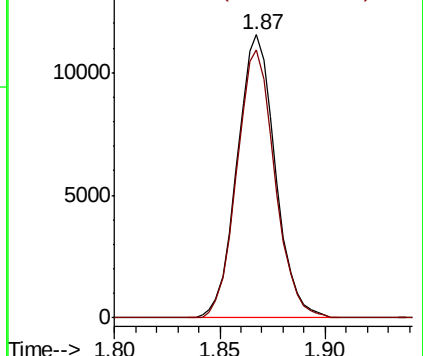
94 100

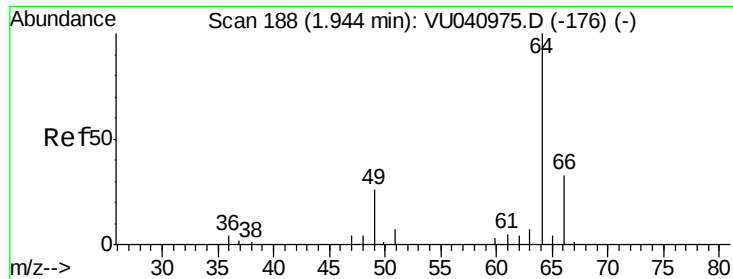
96 94.5 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

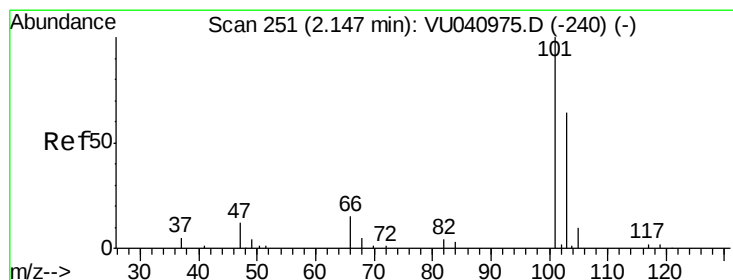
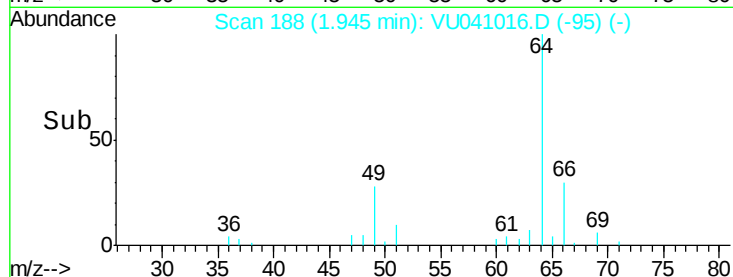
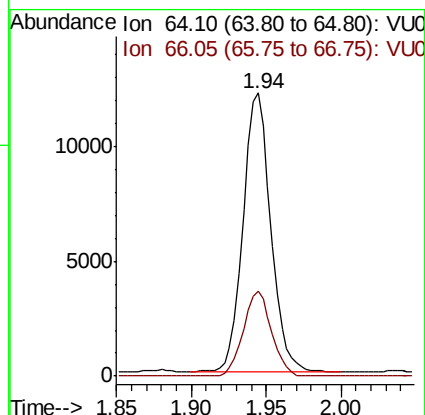
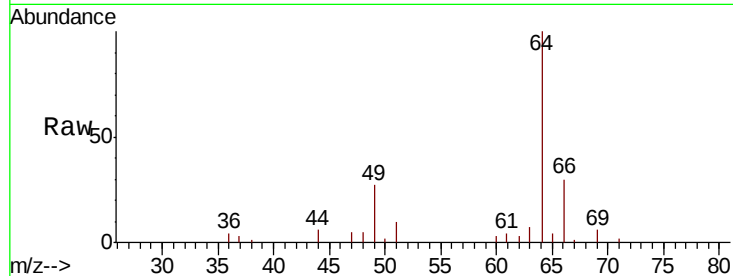




#8
 Chloroethane
 Concen: 4.537 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

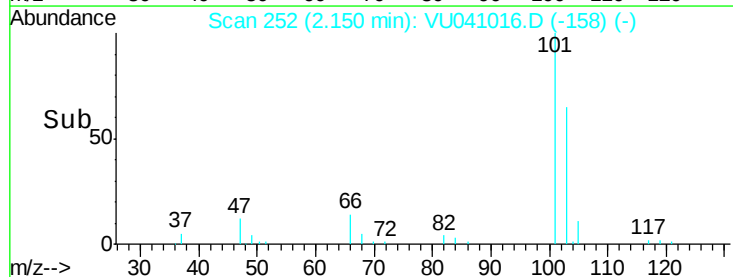
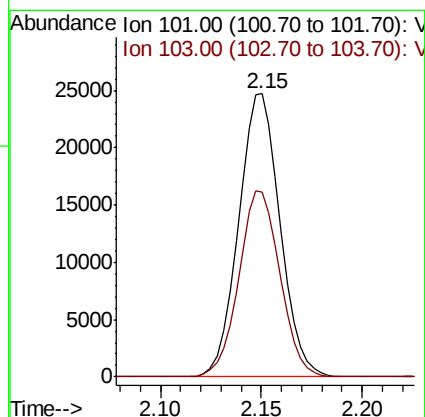
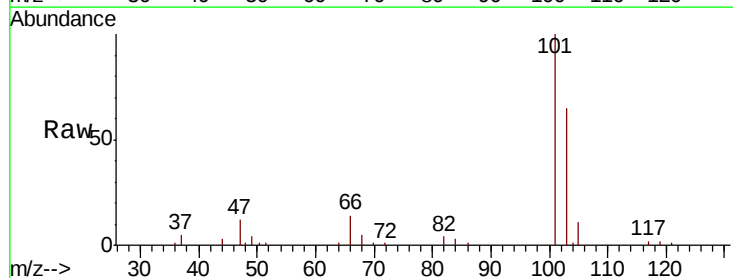
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

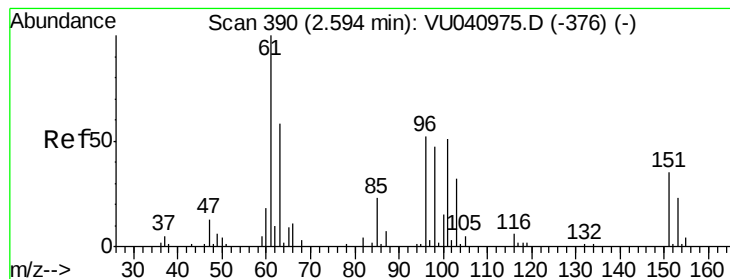
Tot Ion: 64 Resp: 15782
 Ion Ratio Lower Upper
 64 100
 66 29.8 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 4.761 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

Tgt Ion: 101 Resp: 35527
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.0 76.4





#10

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

Concen: 4.938 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

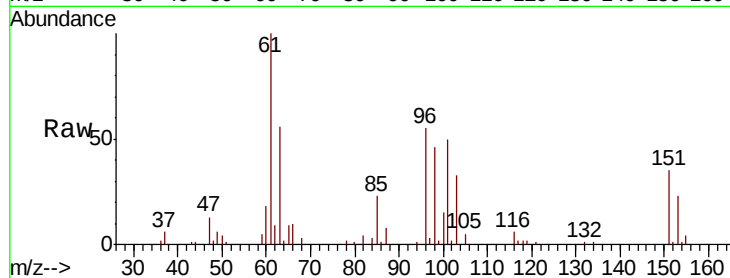
Tot Ion:101 Resp: 21599

Ion Ratio Lower Upper

101 100

85 46.8 35.0 52.4

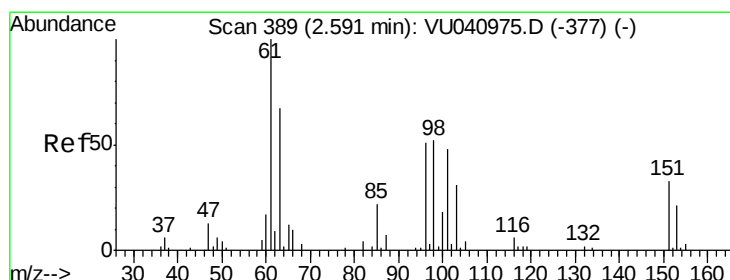
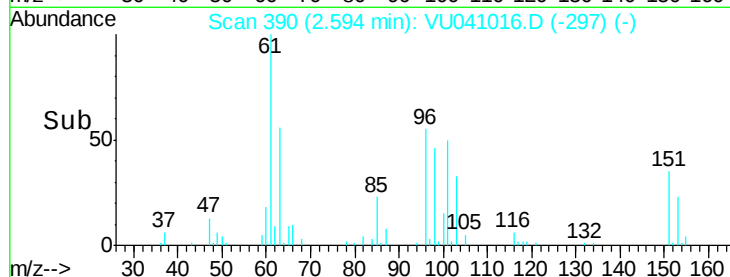
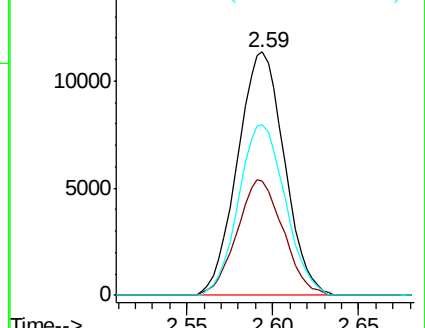
151 69.6 55.3 82.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.827 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

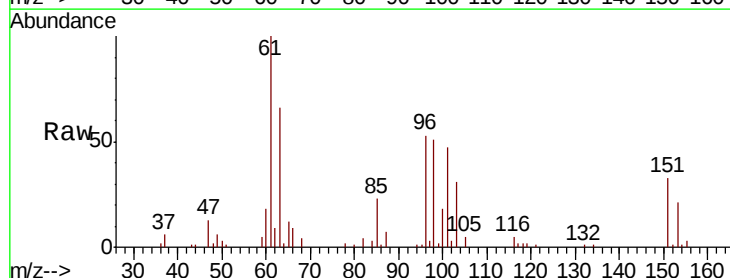
Tgt Ion: 96 Resp: 19933

Ion Ratio Lower Upper

96 100

61 188.8 134.3 249.5

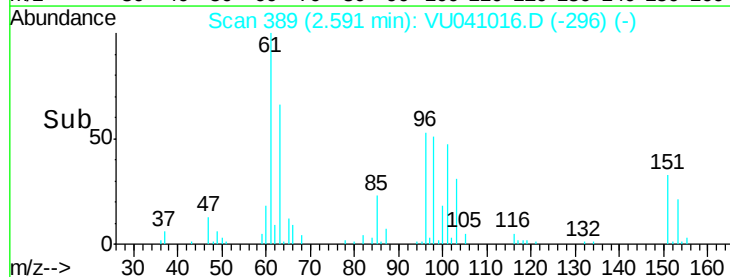
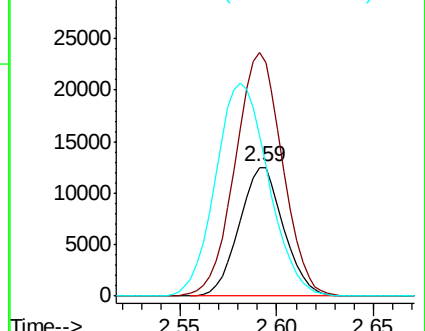
63 124.9 95.0 176.4

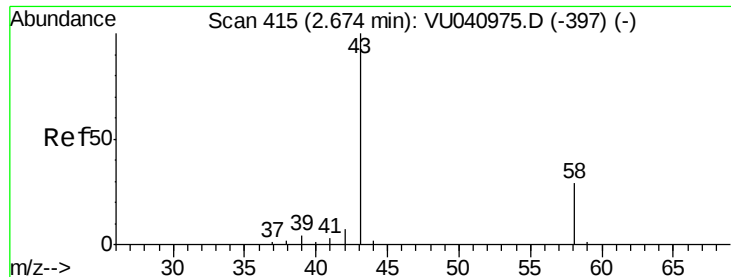


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.136 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

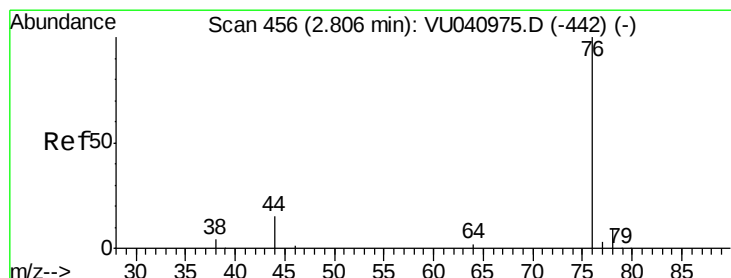
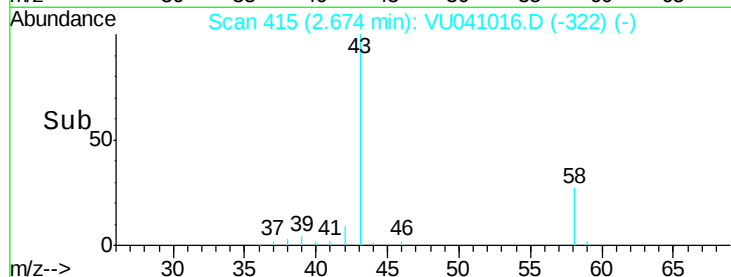
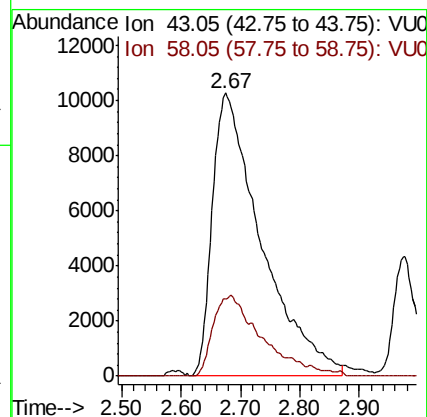
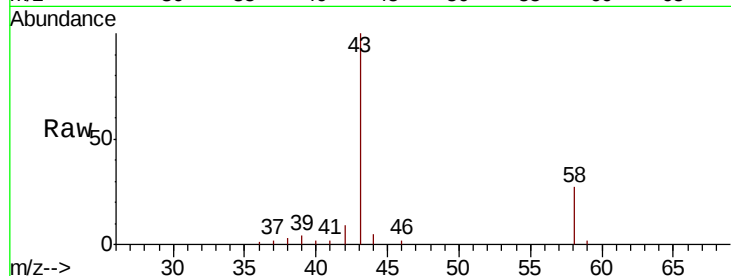
VSTD00530

Tot Ion: 43 Resp: 58757

Ion Ratio Lower Upper

43 100

58 25.6 0.0 25.4#



#14

Carbon disulfide

Concen: 4.584 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041016.D

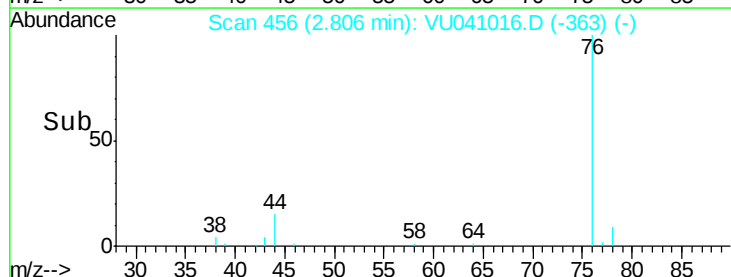
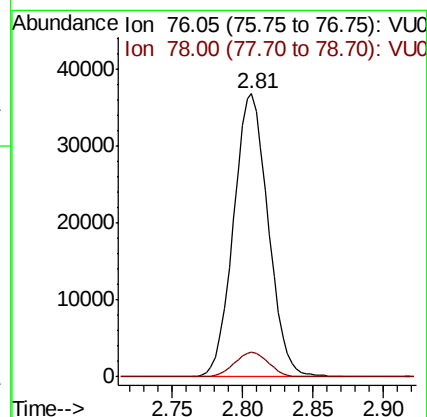
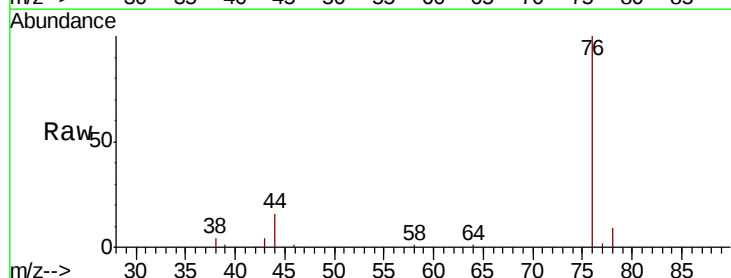
Acq: 29 Oct 2020 15:22

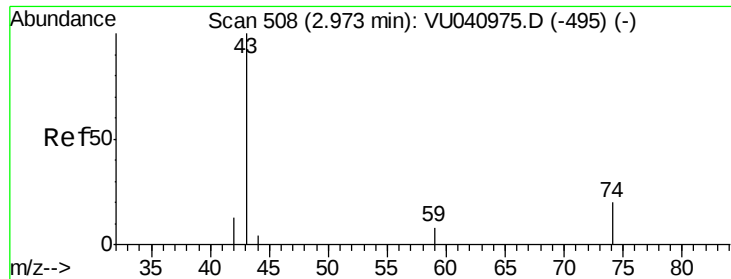
Tgt Ion: 76 Resp: 63260

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

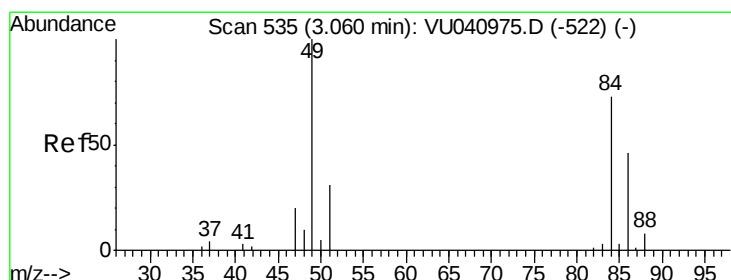
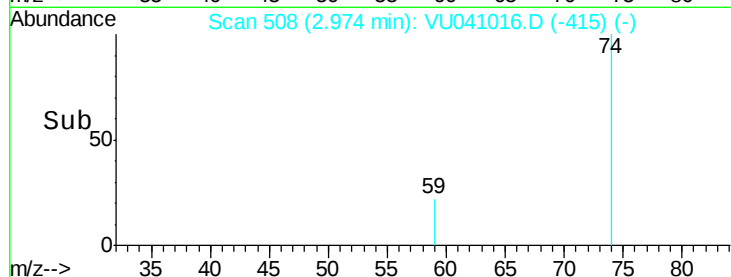
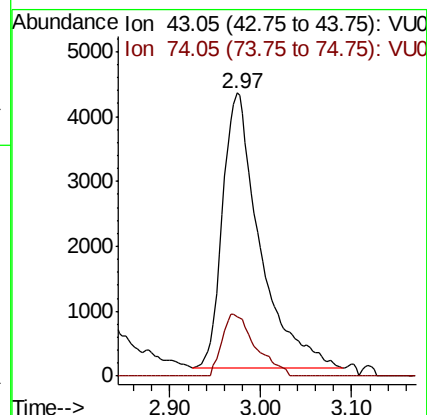
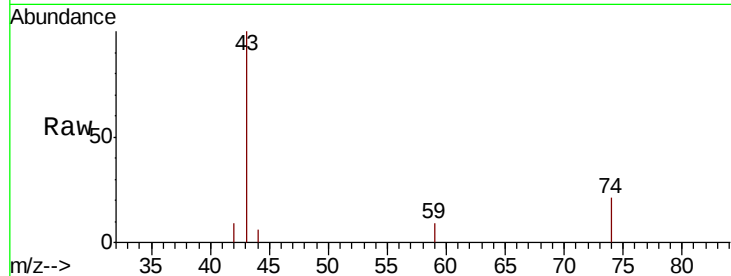




#15
Methvl Acetate
Concen: 4.755 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

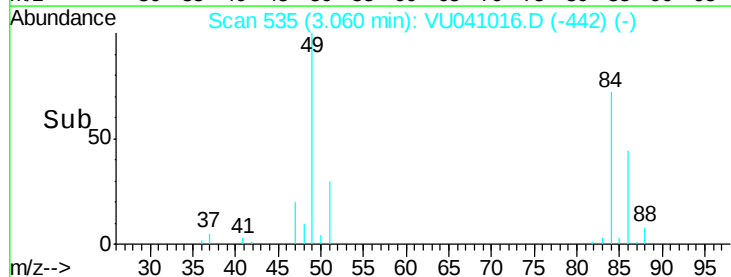
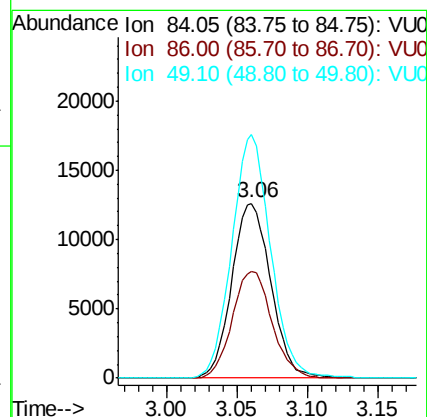
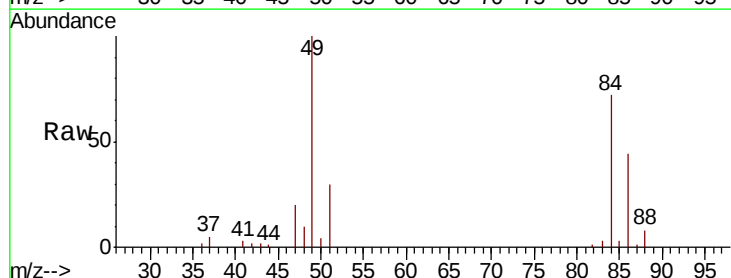
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

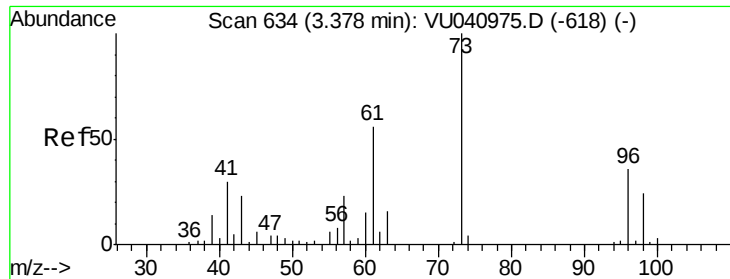
Tot Ion: 43 Resp: 12032
Ion Ratio Lower Upper
43 100
74 20.2 18.3 27.5



#16
Methylene chloride
Concen: 5.089 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

Tgt Ion: 84 Resp: 24489
Ion Ratio Lower Upper
84 100
86 61.3 42.8 79.6
49 139.5 99.5 184.7

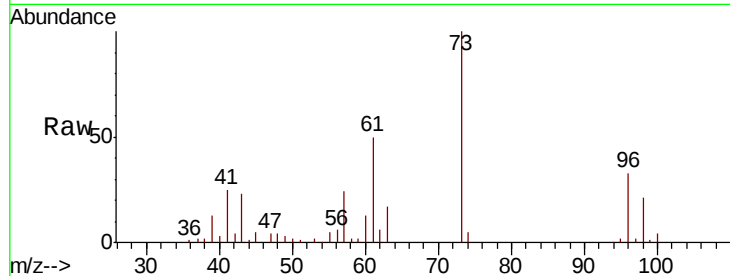




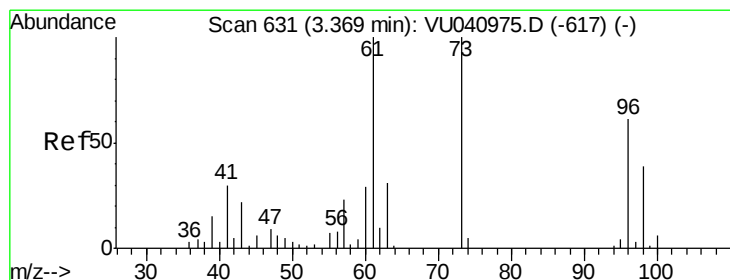
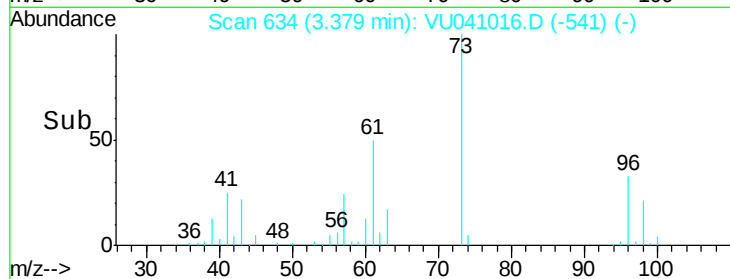
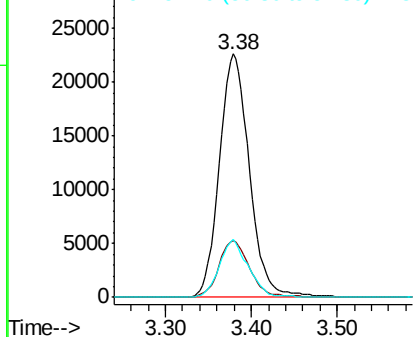
#17
Methvl tert-butvl Ether
Concen: 5.166 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 73 Resp: 54908
Ion Ratio Lower Upper
73 100
43 23.8 18.5 27.7
57 22.6 18.4 27.6

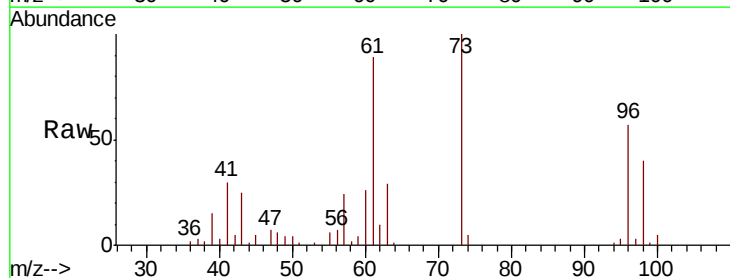


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

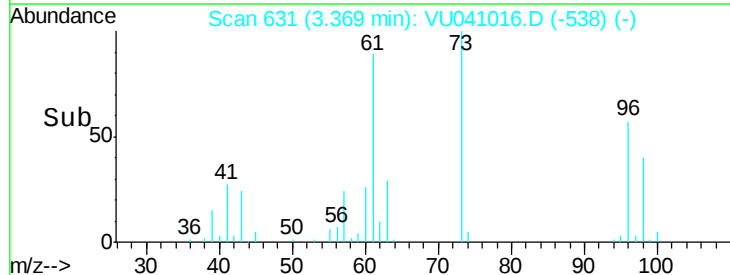
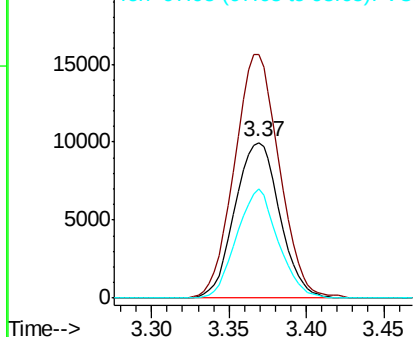


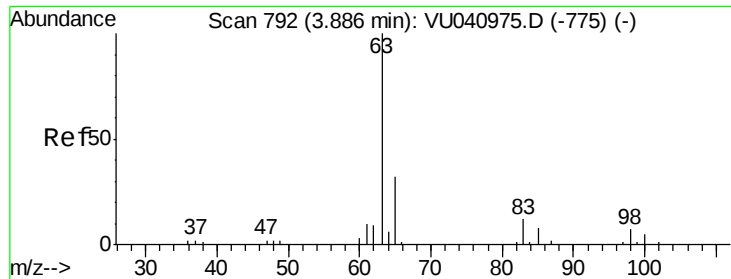
#18
trans-1,2-Dichloroethene
Concen: 4.791 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

Tgt Ion: 96 Resp: 20108
Ion Ratio Lower Upper
96 100
61 156.5 110.9 205.9
98 69.9 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

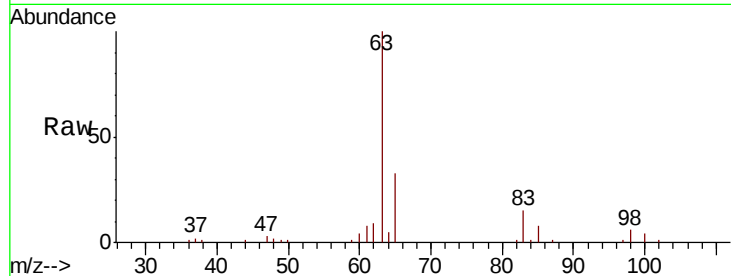




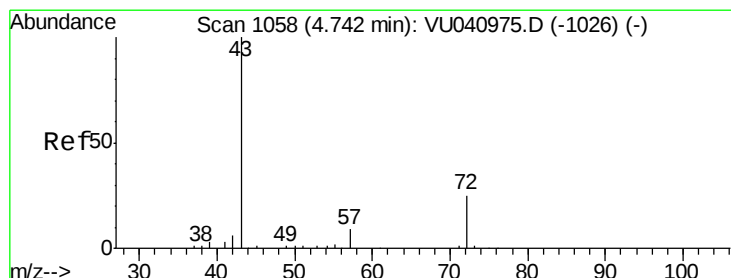
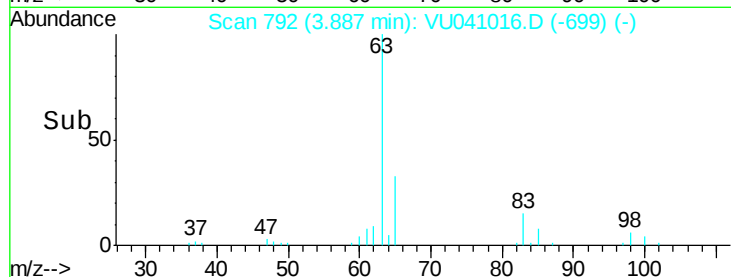
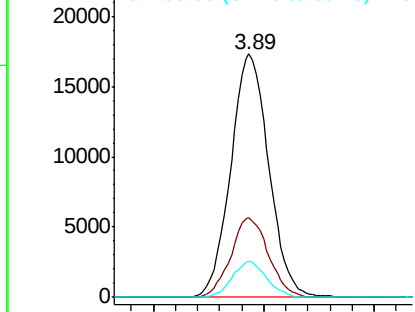
#19
 1,1-Dichloroethane
 Concen: 4.931 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 63 Resp: 41369
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.3 39.6
 83 15.1 8.8 16.3

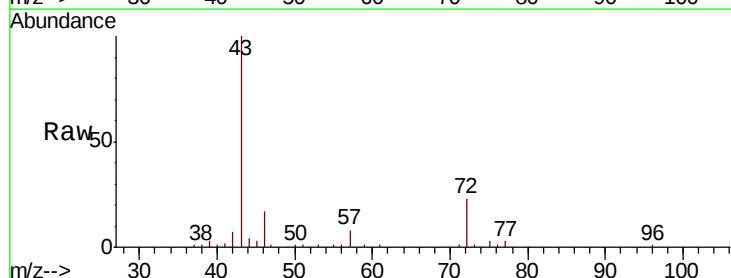


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

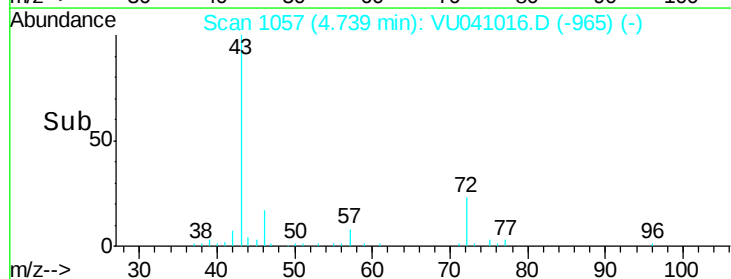
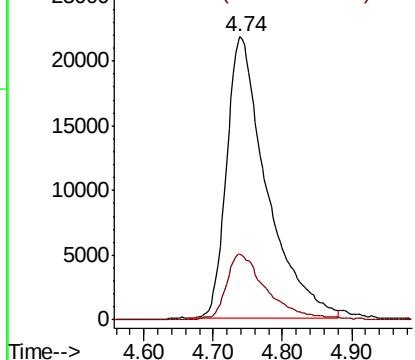


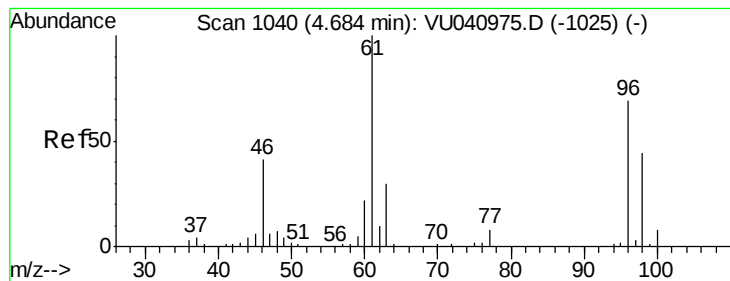
#21
 2-Butanone
 Concen: 50.763 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

Tgt Ion: 43 Resp: 87731
 Ion Ratio Lower Upper
 43 100
 72 23.0 11.8 35.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.023 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

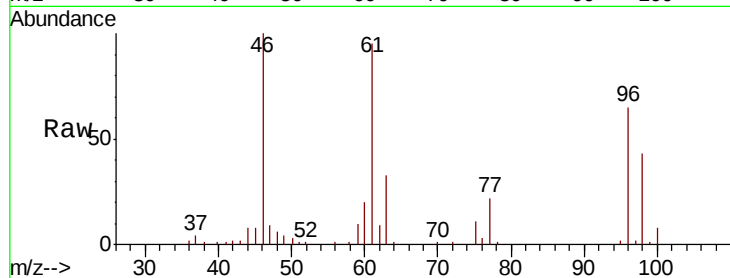
Tot Ion: 96 Resp: 21745

Ion Ratio Lower Upper

96 100

61 145.5 97.2 180.4

68 0.0 0.0 0.0

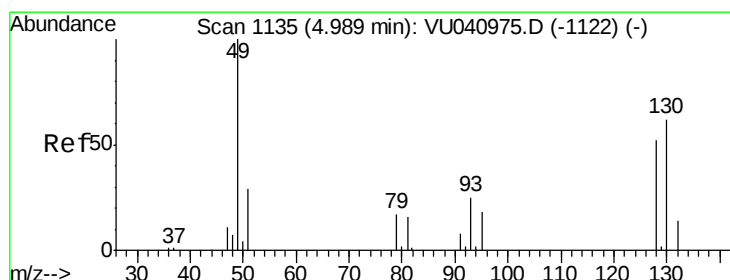
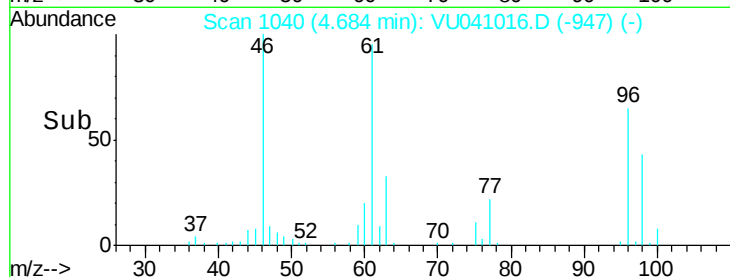
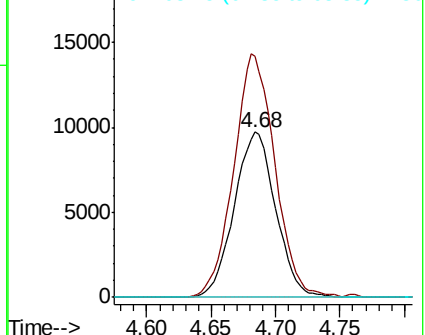


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.070 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Tgt Ion: 128 Resp: 10355

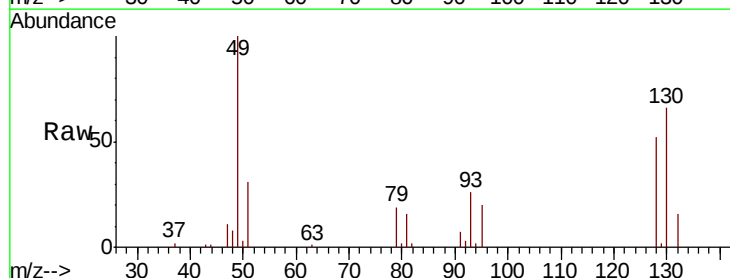
Ion Ratio Lower Upper

128 100

49 191.0 135.0 250.8

130 126.4 89.9 167.0

51 58.9 51.9 77.9



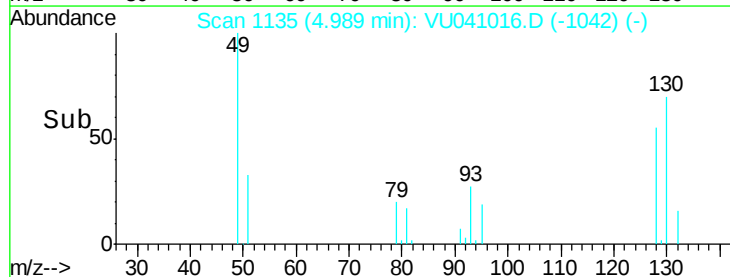
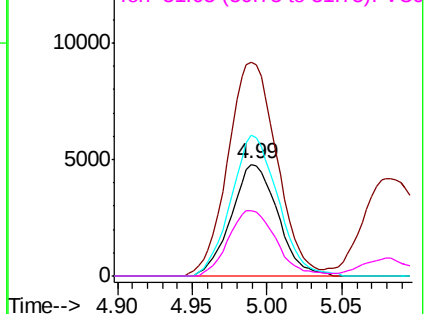
Abundance

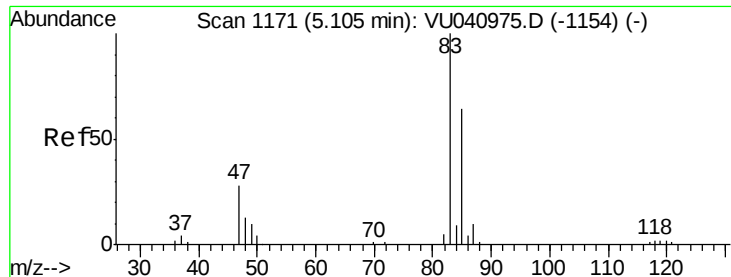
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

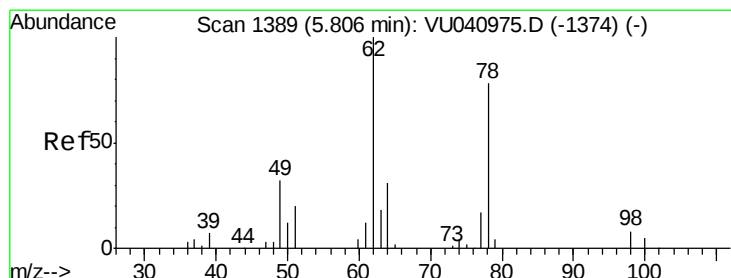
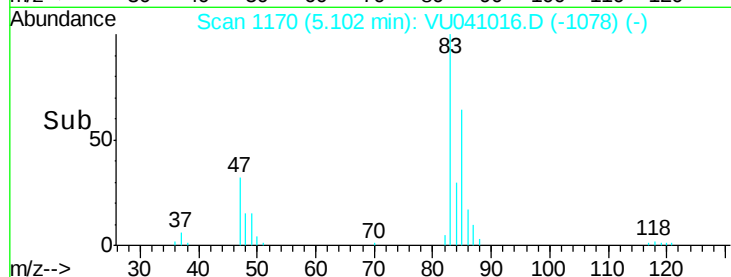
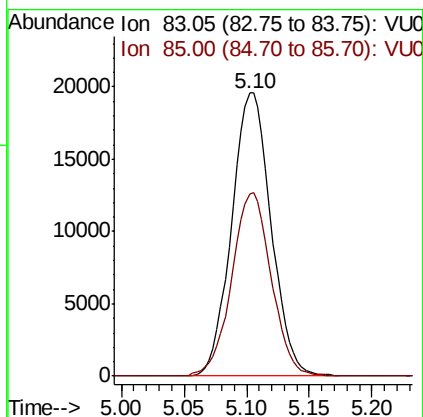
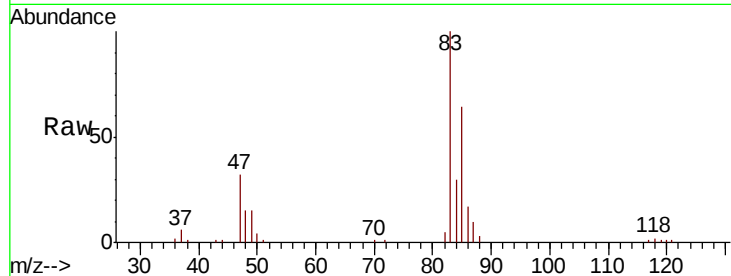




#25
Chloroform
Concen: 5.091 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

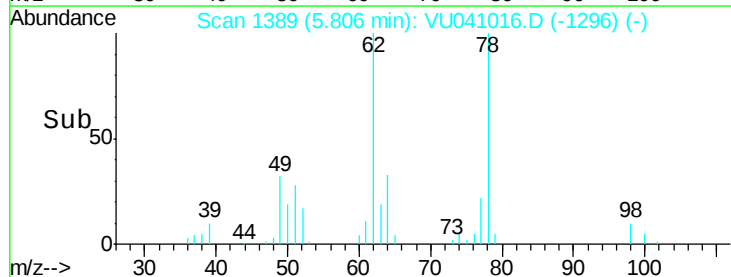
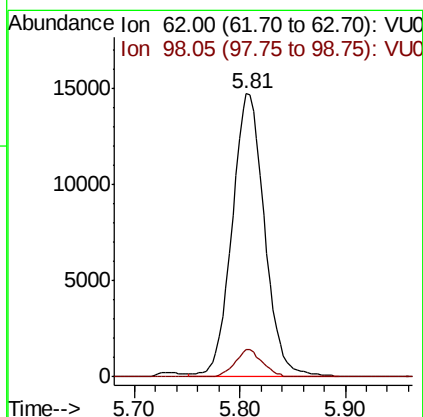
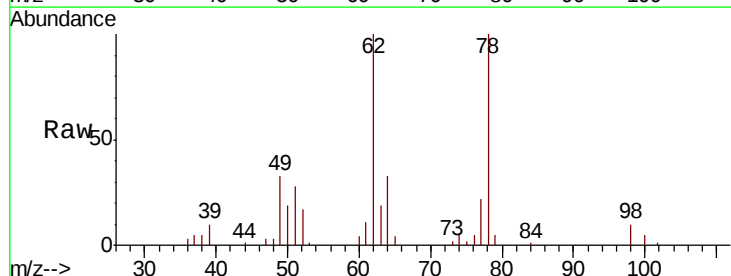
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

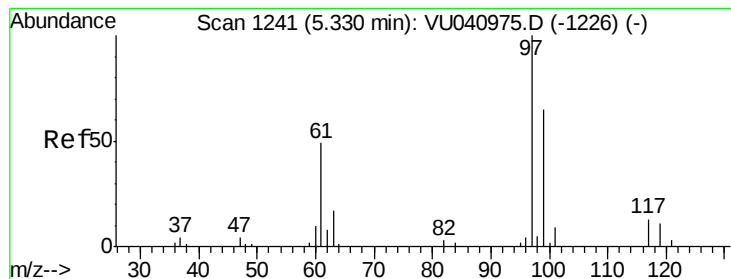
Tot Ion: 83 Resp: 42832
Ion Ratio Lower Upper
83 100
85 64.2 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.024 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

Tgt Ion: 62 Resp: 31483
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.197 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

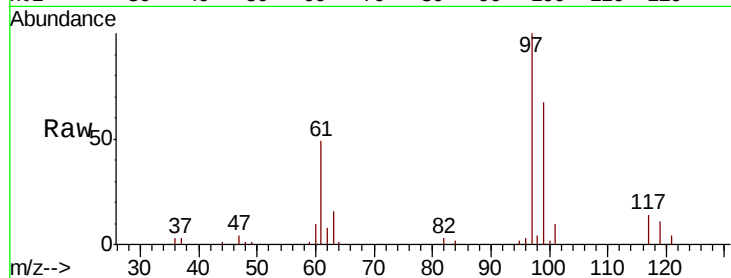
Tot Ion: 97 Resp: 36308

Ion Ratio Lower Upper

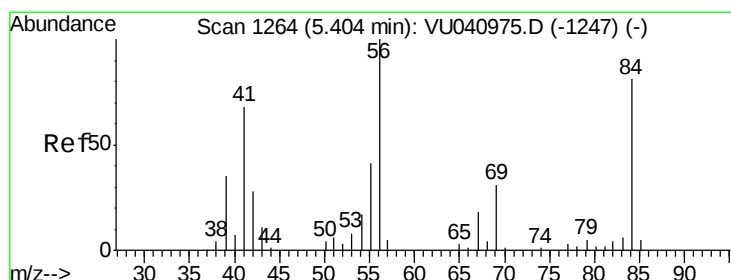
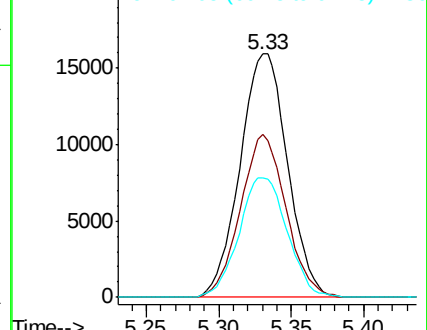
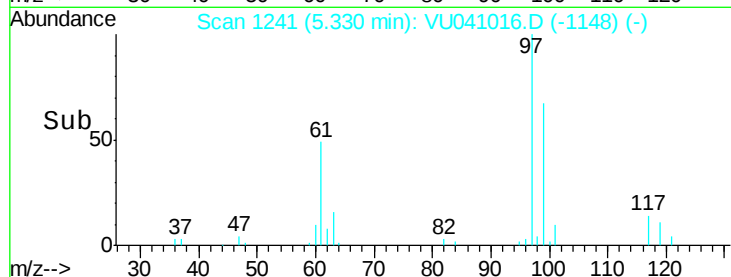
97 100

99 64.1 53.4 80.0

61 49.9 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VU041016.D (-1148) (-)



#30

Cyclohexane

Concen: 5.128 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

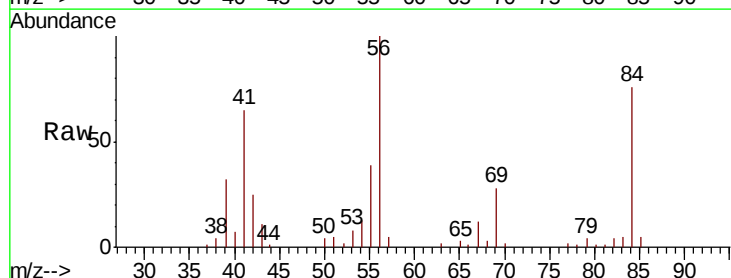
Tgt Ion: 56 Resp: 35299

Ion Ratio Lower Upper

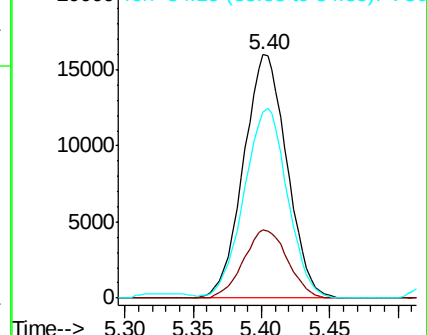
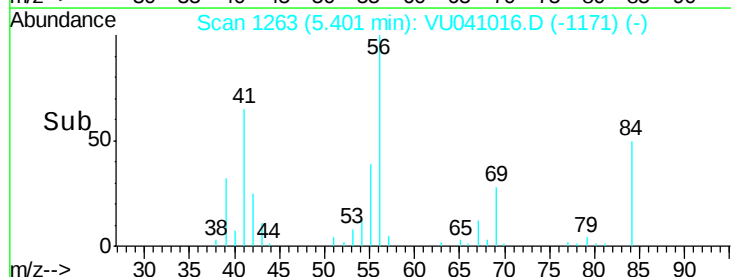
56 100

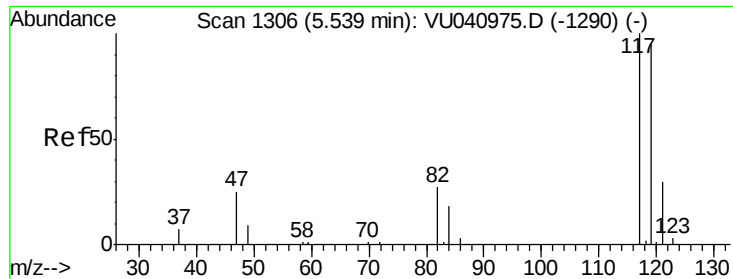
69 28.5 22.8 34.2

84 78.0 63.6 95.4



Abundance Ion 56.10 (55.80 to 56.80): VU041016.D (-1171) (-)

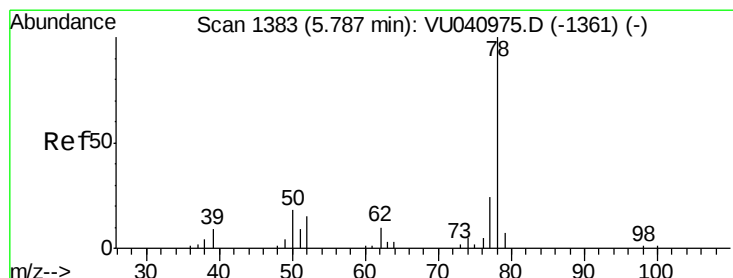
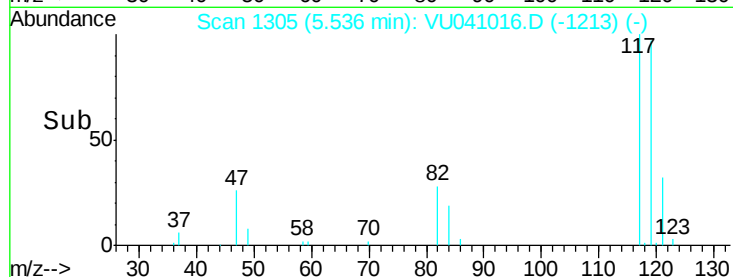
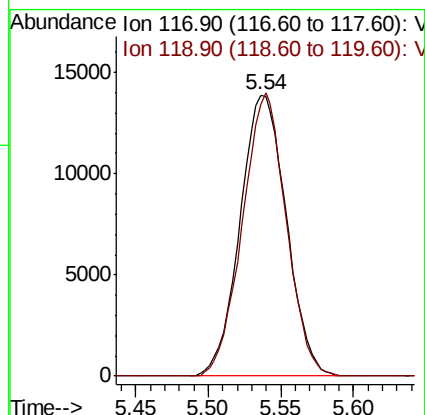
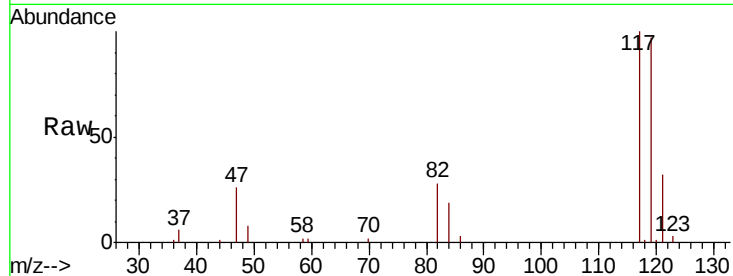




#31
Carbon tetrachloride
Concen: 4.977 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

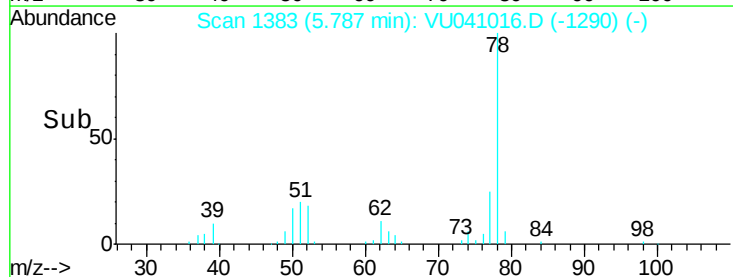
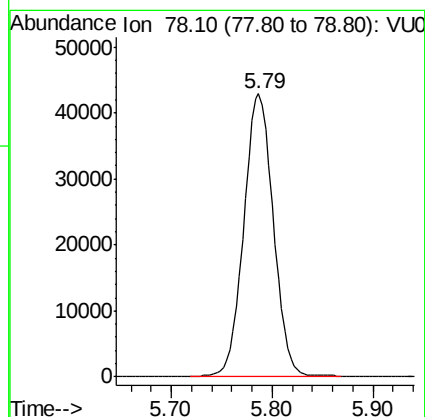
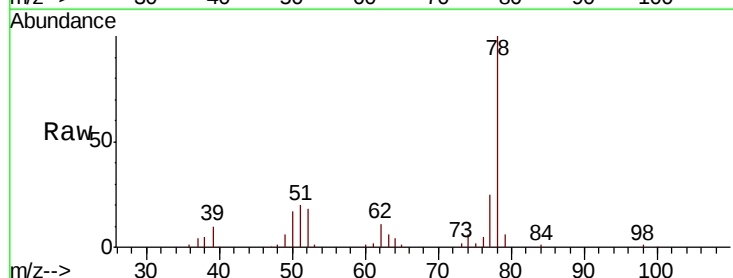
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

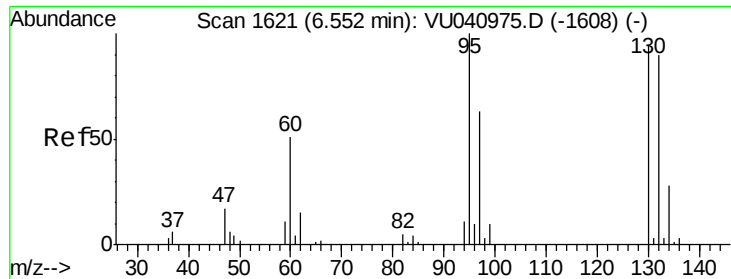
Tot Ion:117 Resp: 30790
Ion Ratio Lower Upper
117 100
119 95.3 76.1 114.1



#33
Benzene
Concen: 5.102 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

Tgt Ion: 78 Resp: 87088

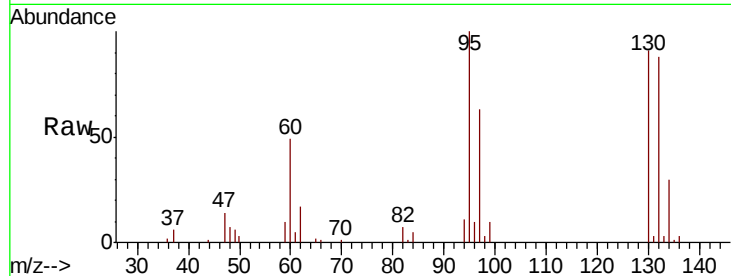




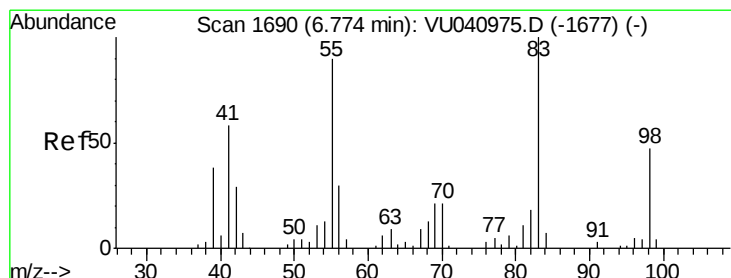
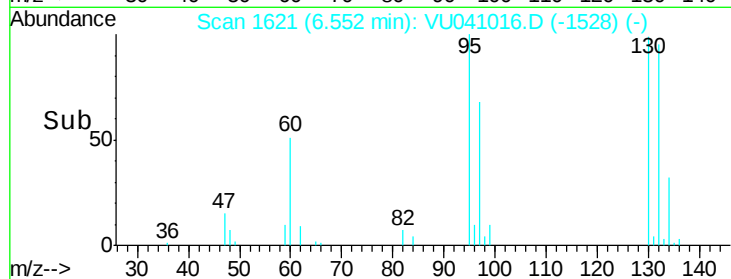
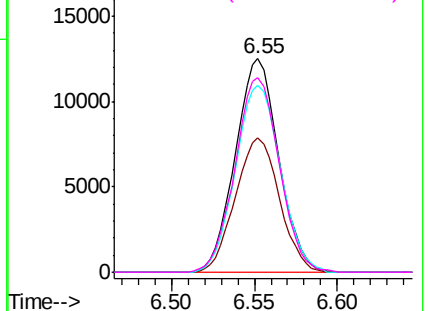
#34
 Trichloroethene
 Concen: 5.237 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion: 95 Resp: 22749
 Ion Ratio Lower Upper
 95 100
 97 62.7 45.6 84.6
 132 87.5 64.8 120.4
 130 91.2 64.8 120.4

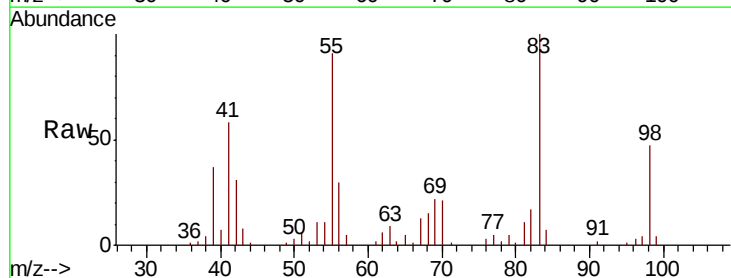


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

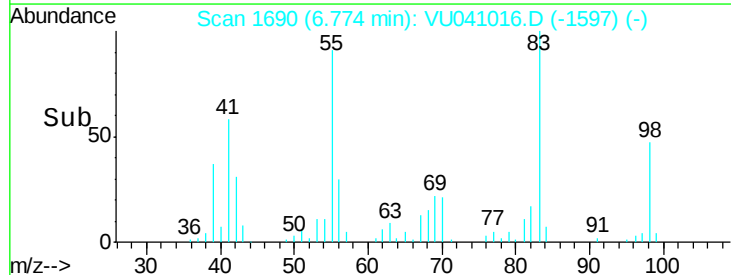
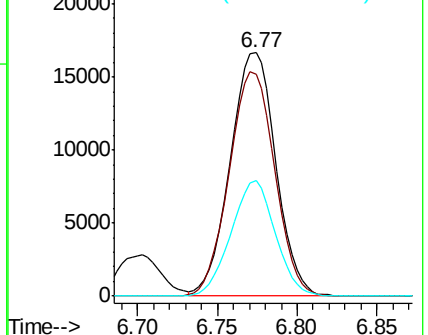


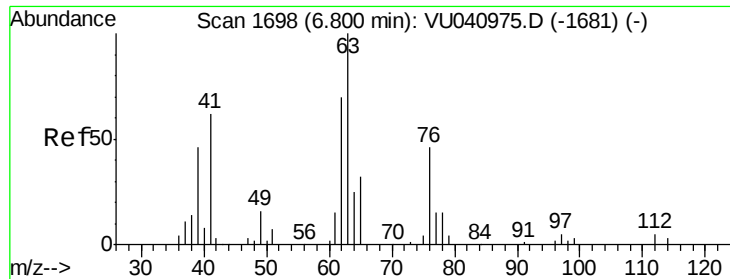
#35
 Methylcyclohexane
 Concen: 5.001 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

Tgt Ion: 83 Resp: 32405
 Ion Ratio Lower Upper
 83 100
 55 92.1 72.0 108.0
 98 45.9 36.6 55.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

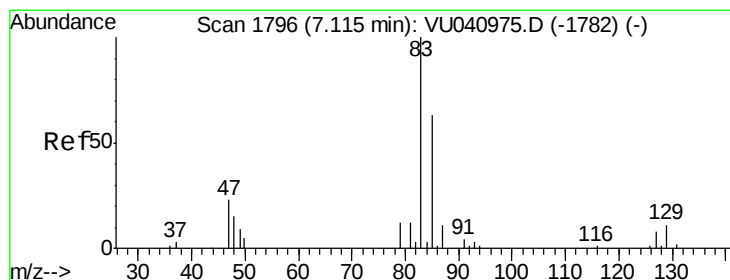
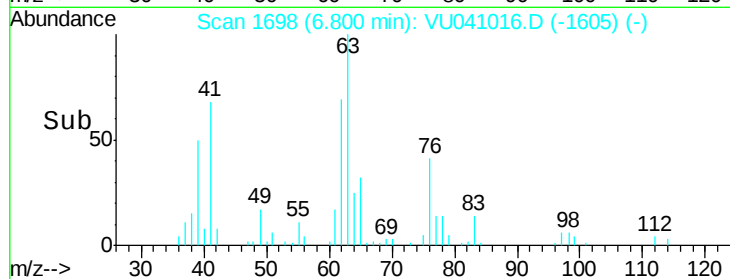
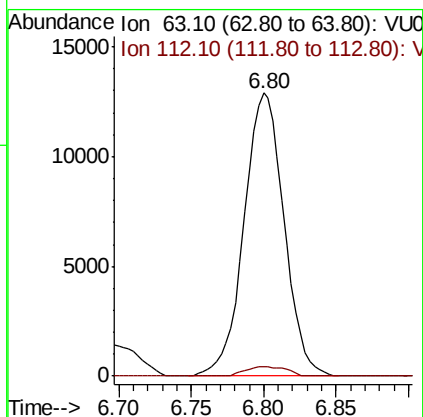
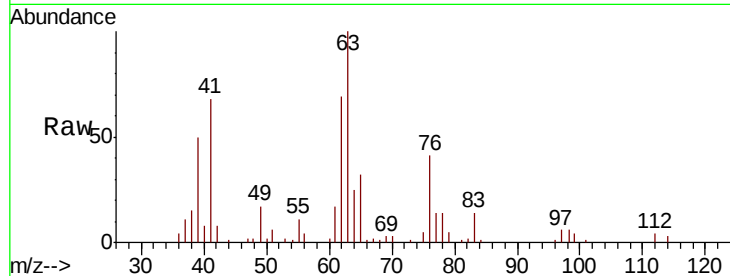




#37
 1,2-Dichloropropane
 Concen: 5.368 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

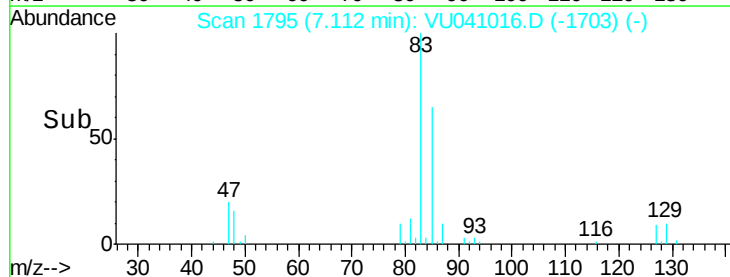
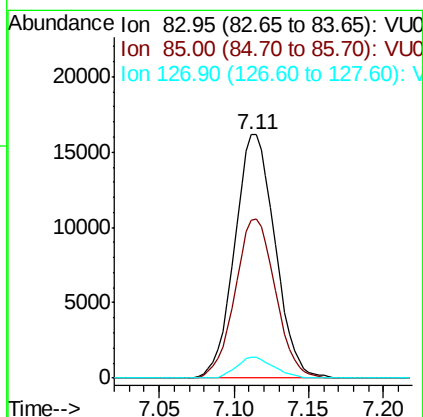
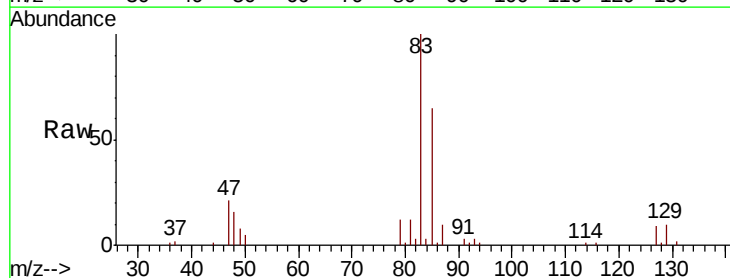
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

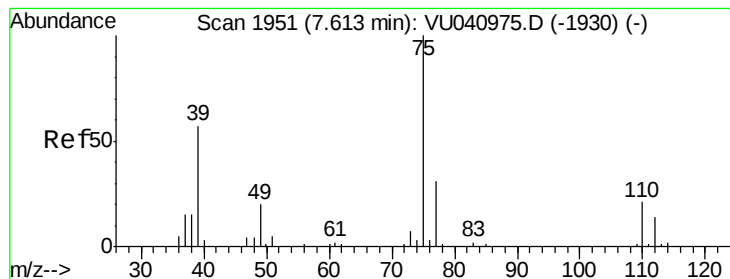
Tot Ion: 63 Resp: 24791
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 5.057 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

Tgt Ion: 83 Resp: 30298
 Ion Ratio Lower Upper
 83 100
 85 64.7 43.3 80.3
 127 8.7 5.9 8.9





#39

cis-1,3-Dichloropropene

Concen: 5.219 ug/L

RT: 7.61 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

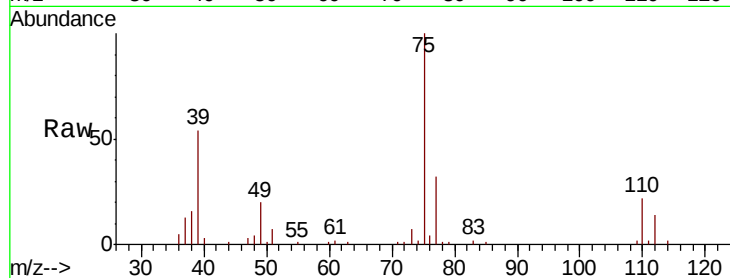
VSTD00530

Tot Ion: 75 Resp: 33190

Ion Ratio Lower Upper

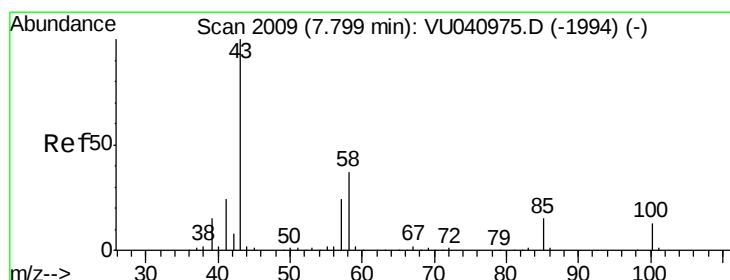
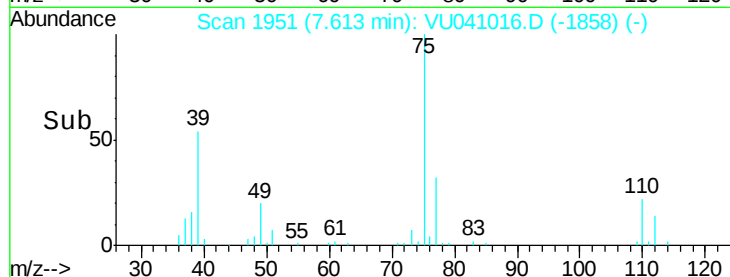
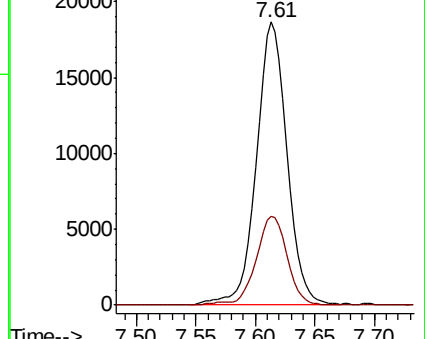
75 100

77 31.5 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU041016.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU041016.D (-1858) (-)



#40

4-Methyl-2-pentanone

Concen: 53.808 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

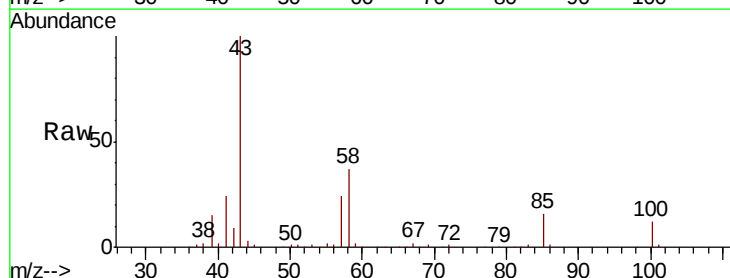
Tgt Ion: 43 Resp: 198145

Ion Ratio Lower Upper

43 100

58 35.9 29.8 44.6

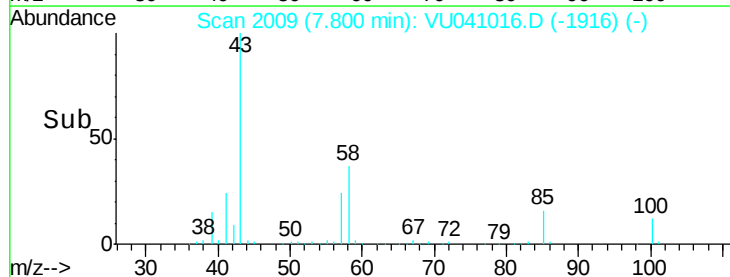
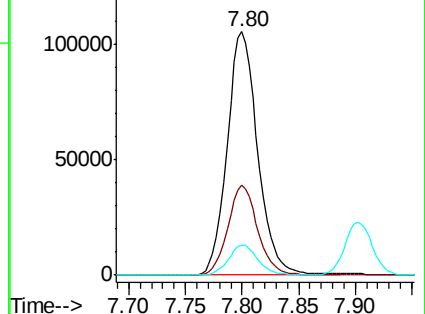
100 12.1 10.5 15.7

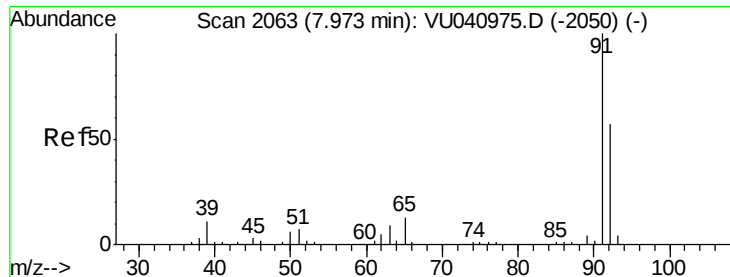


Abundance Ion 43.05 (42.75 to 43.75): VU041016.D (-1916) (-)

Ion 58.05 (57.75 to 58.75): VU041016.D (-1916) (-)

Ion 100.15 (99.85 to 100.85): VU041016.D (-1916) (-)





#42

Toluene

Concen: 5.297 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

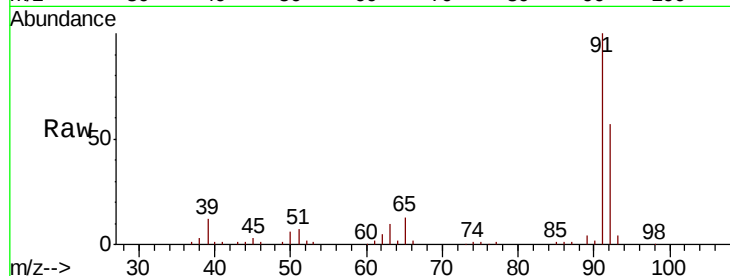
VSTD00530

Tot Ion: 91 Resp: 91687

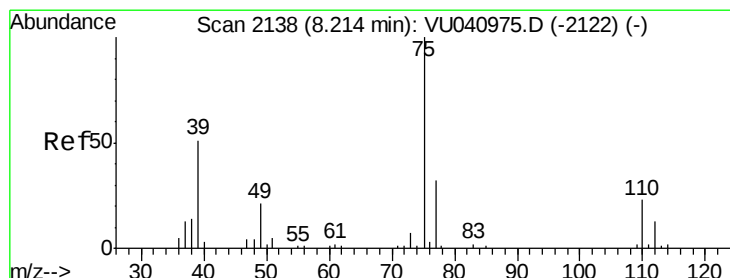
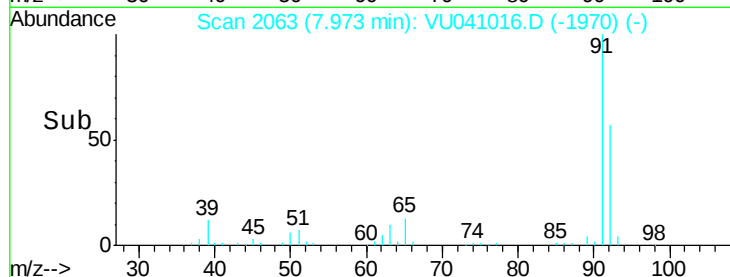
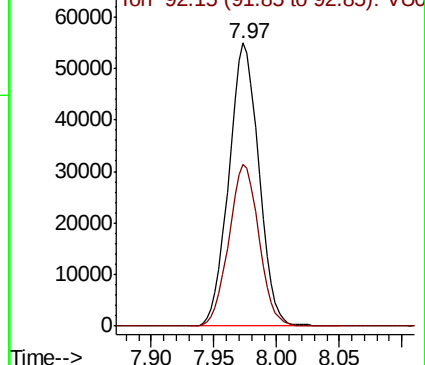
Ion Ratio Lower Upper

91 100

92 57.2 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041016.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.163 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041016.D

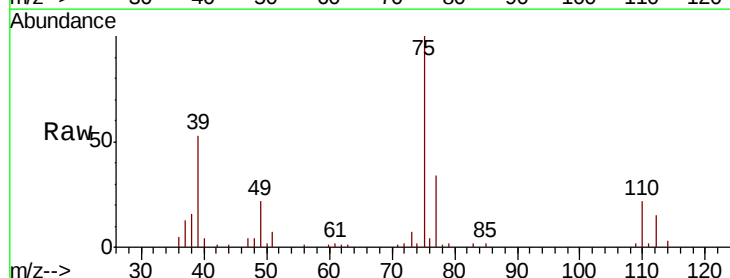
Acq: 29 Oct 2020 15:22

Tgt Ion: 75 Resp: 30725

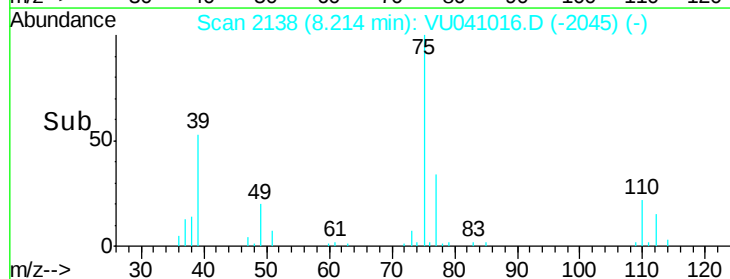
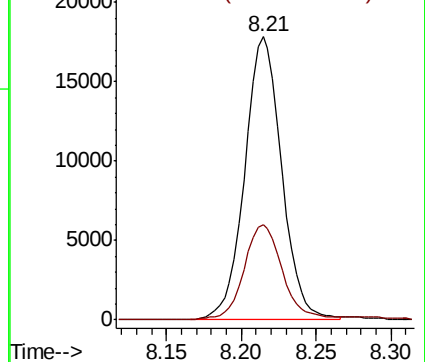
Ion Ratio Lower Upper

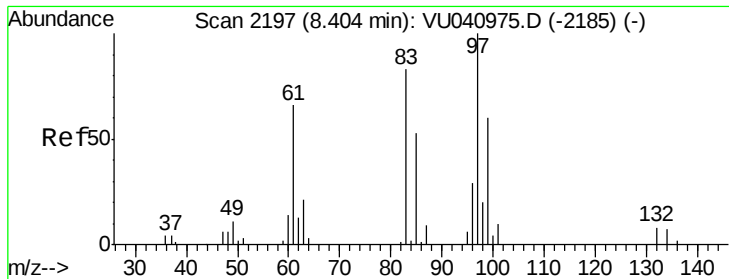
75 100

77 33.7 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041016.D (-2045) (-)





#45

1,1,2-Trichloroethane

Concen: 5.082 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tot Ion: 97 Resp: 17472

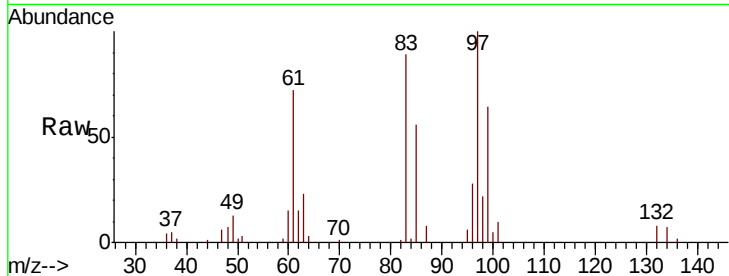
Ion Ratio Lower Upper

97 100

99 64.0 45.8 85.2

83 88.9 67.9 126.1

85 56.2 42.8 79.6

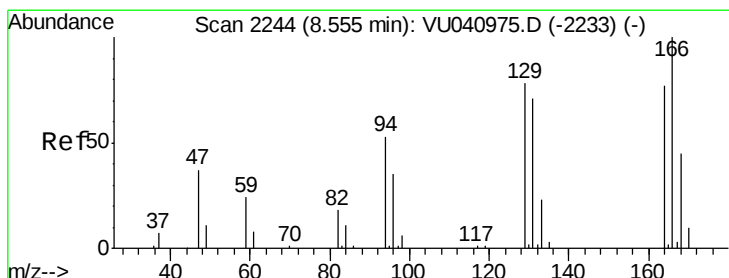
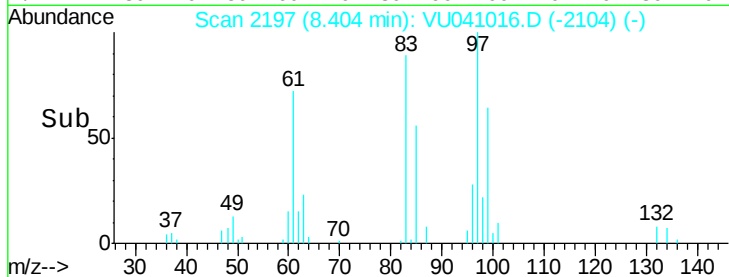
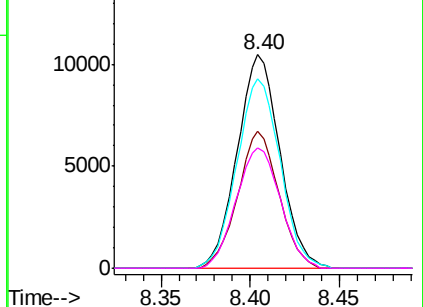


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.070 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Tgt Ion: 164 Resp: 16194

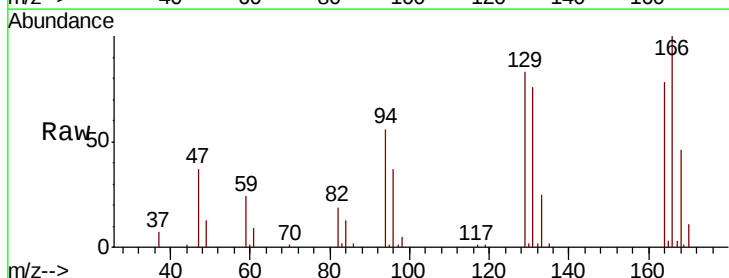
Ion Ratio Lower Upper

164 100

129 106.3 70.3 130.7

131 98.3 70.8 131.4

166 128.6 92.0 170.8

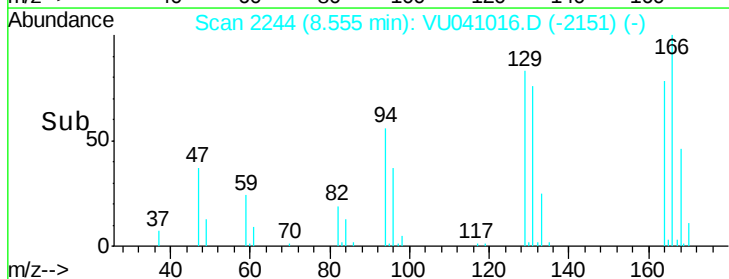
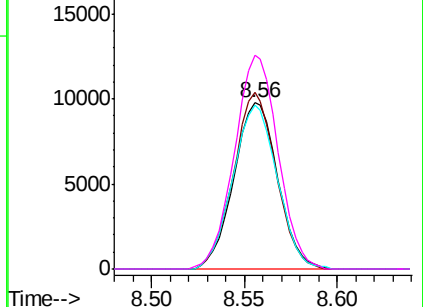


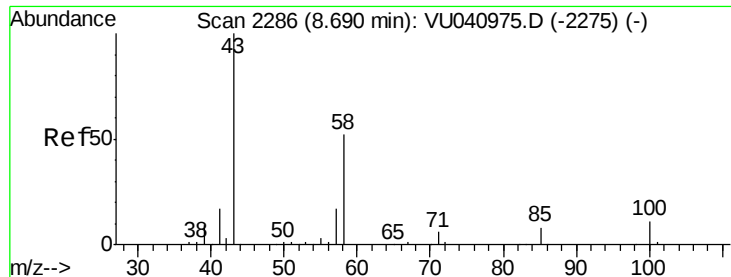
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

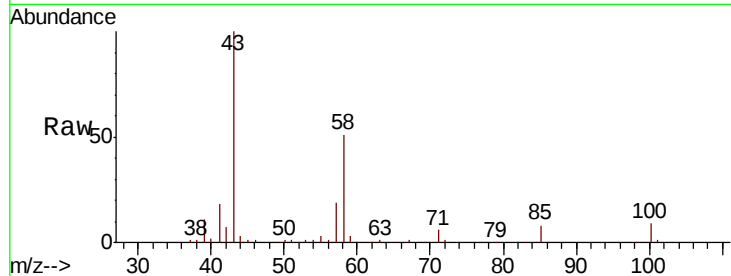




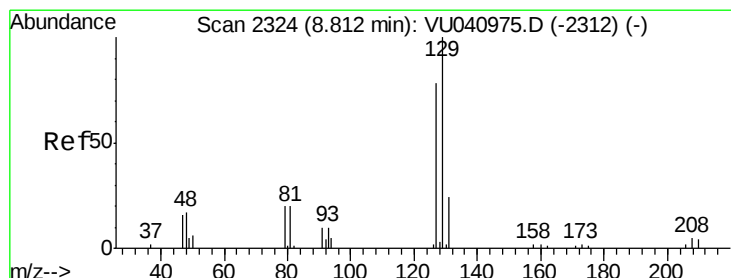
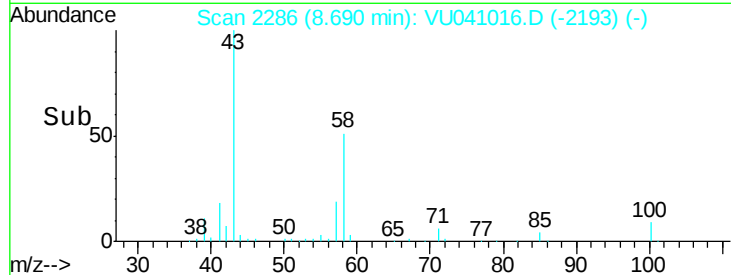
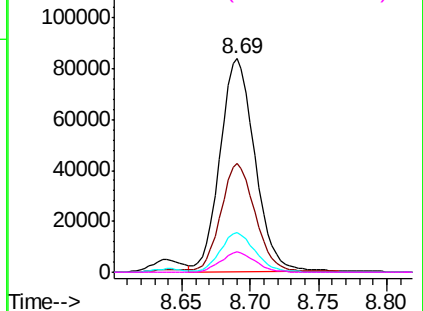
#48
2-Hexanone
Concen: 53.446 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tot Ion: 43 Resp: 148193
Ion Ratio Lower Upper
43 100
58 50.9 41.4 62.2
57 18.9 14.6 21.8
100 9.4 8.3 12.5

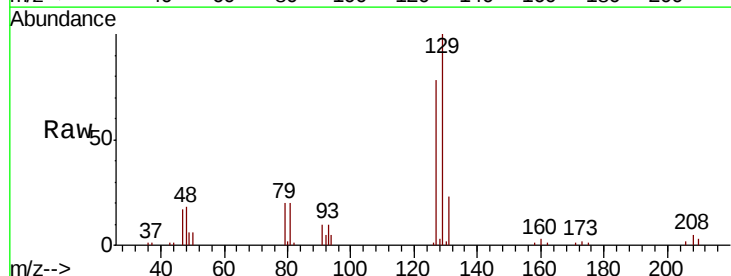


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

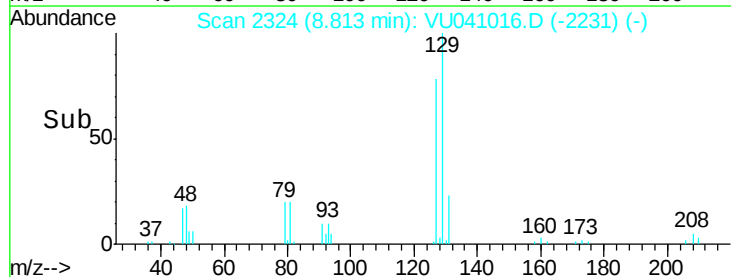
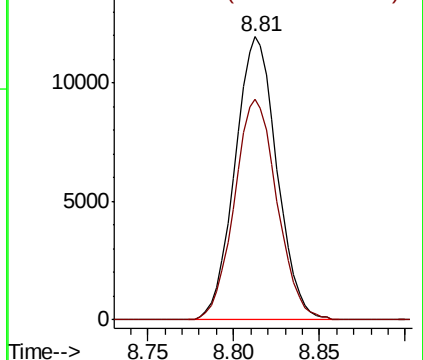


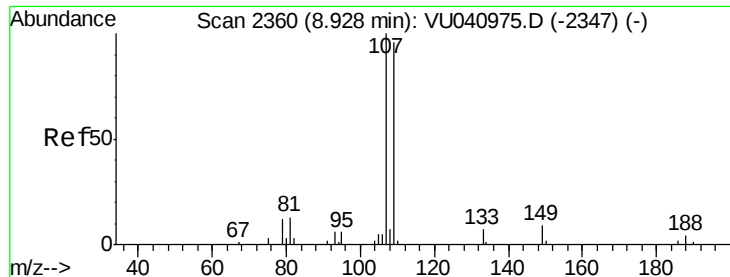
#49
Dibromochloromethane
Concen: 5.069 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

Tgt Ion: 129 Resp: 20241
Ion Ratio Lower Upper
129 100
127 78.1 53.4 99.2



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

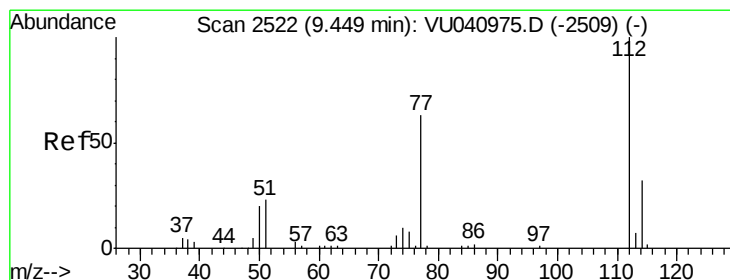
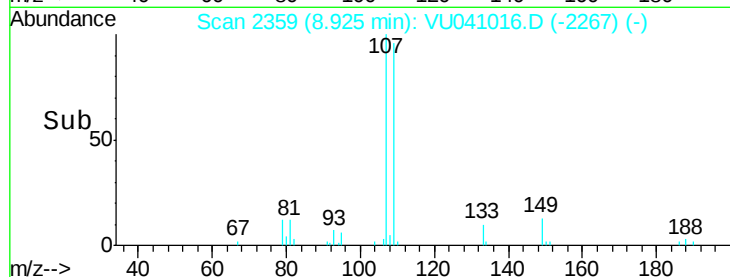
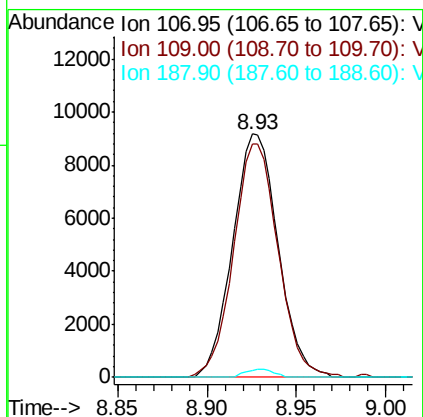
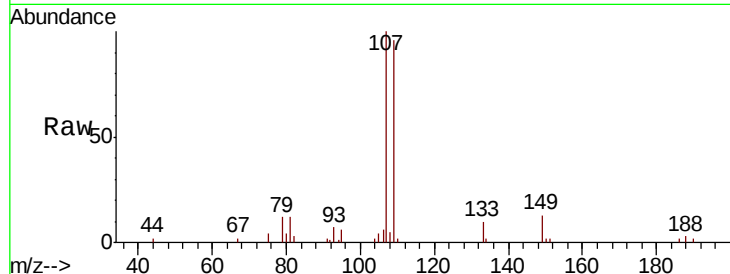




#50
1,2-Dibromoethane
Concen: 4.973 ug/L
RT: 8.93 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

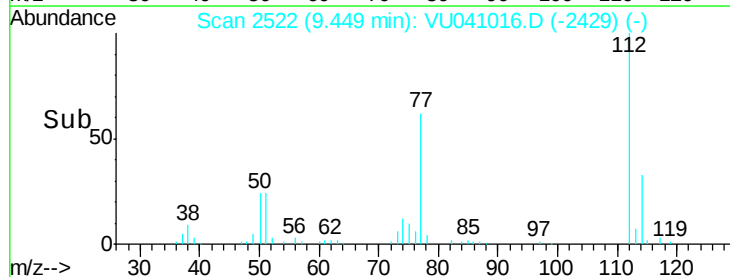
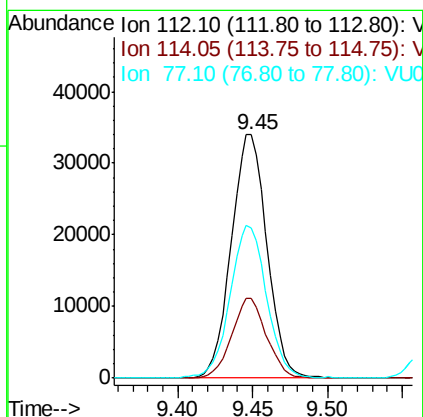
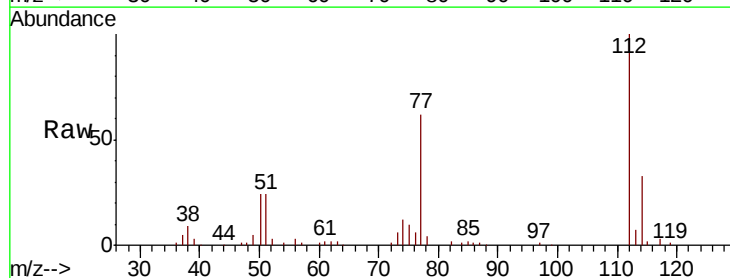
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

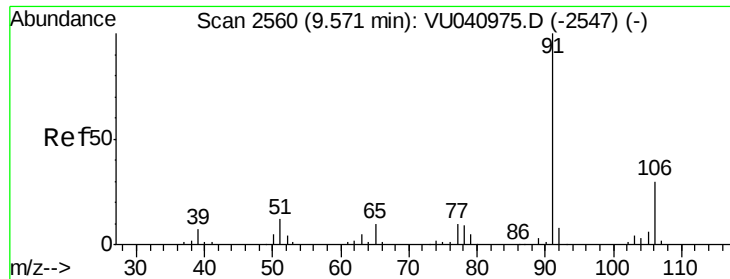
Tot Ion:107 Resp: 16291
Ion Ratio Lower Upper
107 100
109 95.7 65.6 121.8
188 2.6 2.9 4.3#



#51
Chlorobenzene
Concen: 5.146 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU041016.D
Acq: 29 Oct 2020 15:22

Tgt Ion:112 Resp: 56477
Ion Ratio Lower Upper
112 100
114 32.6 22.4 41.6
77 61.8 51.2 76.8





#52

Ethylbenzene

Concen: 5.279 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

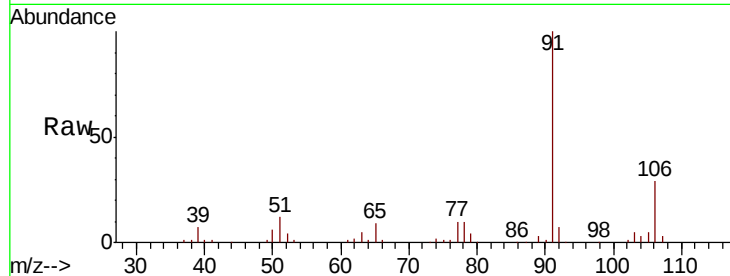
VSTD00530

Tot Ion: 91 Resp: 96182

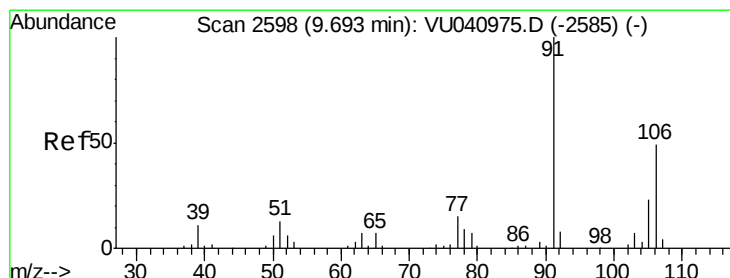
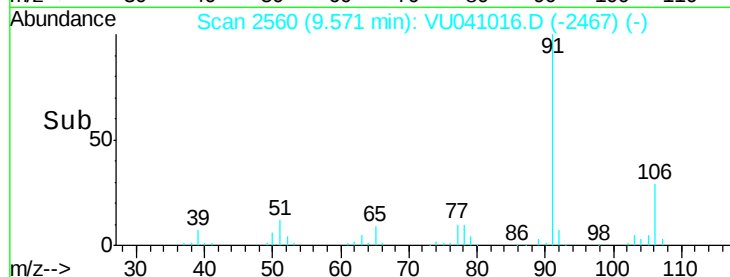
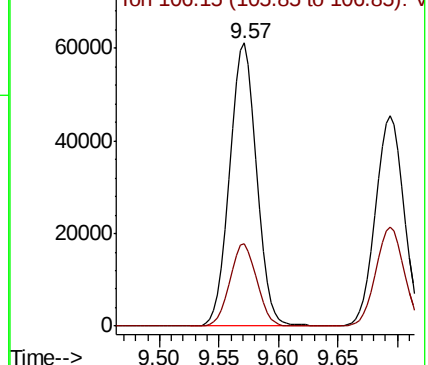
Ion Ratio Lower Upper

91 100

106 28.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU041016.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.302 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041016.D

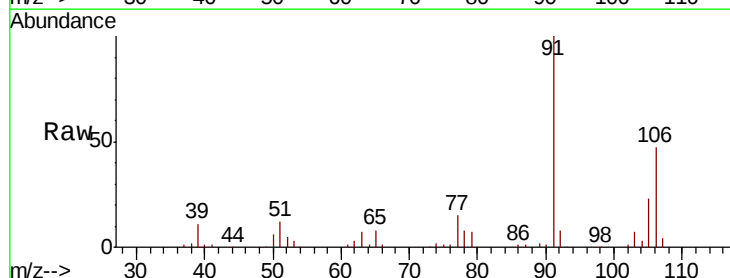
Acq: 29 Oct 2020 15:22

Tgt Ion: 106 Resp: 35228

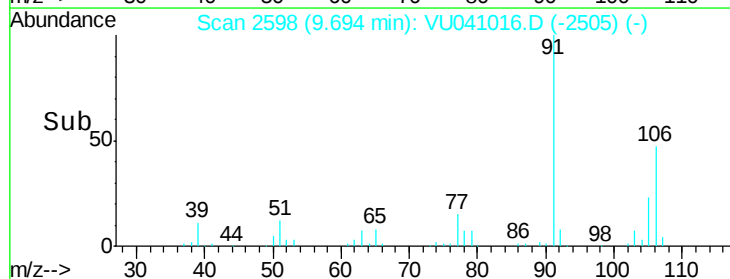
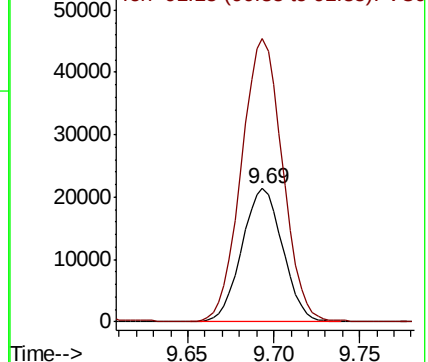
Ion Ratio Lower Upper

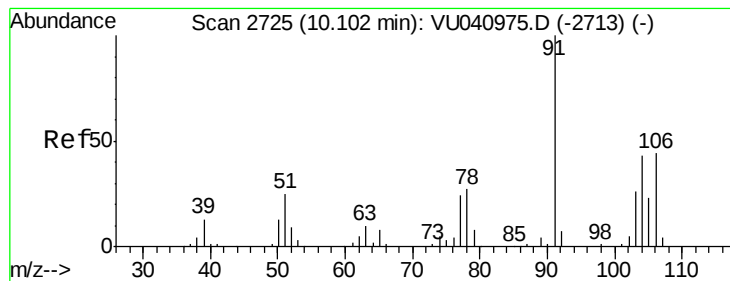
106 100

91 212.7 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041016.D (-2505) (-)





#54

o-Xylene

Concen: 5.426 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

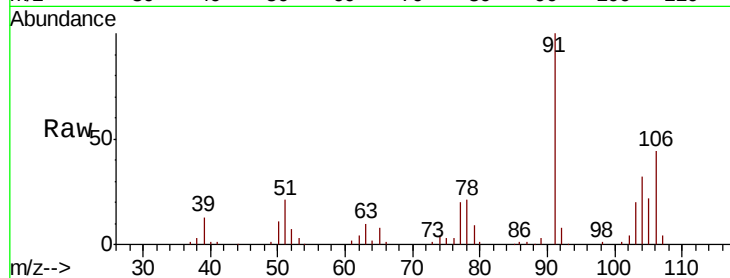
VSTD00530

Tot Ion:106 Resp: 33575

Ion Ratio Lower Upper

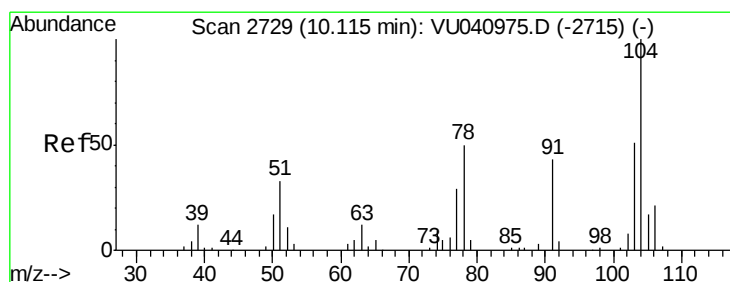
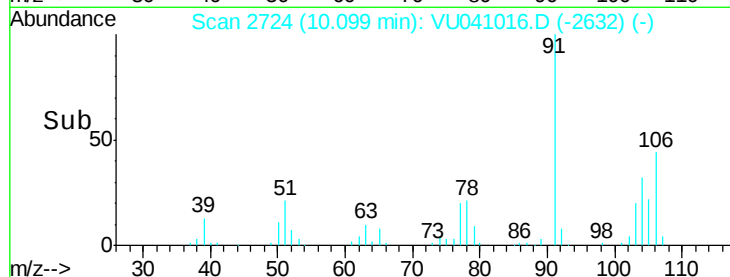
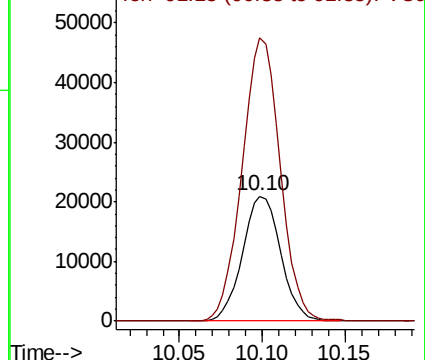
106 100

91 226.3 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.413 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU041016.D

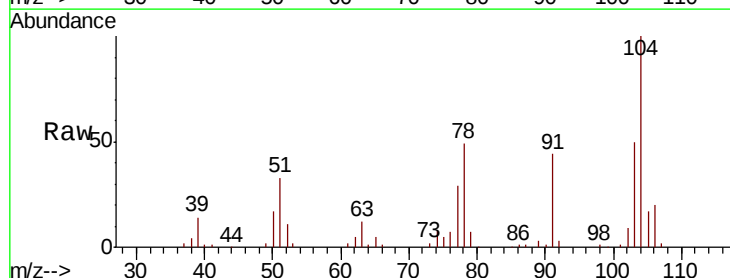
Acq: 29 Oct 2020 15:22

Tgt Ion:104 Resp: 59683

Ion Ratio Lower Upper

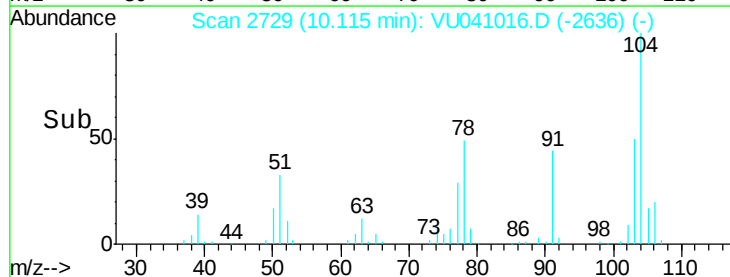
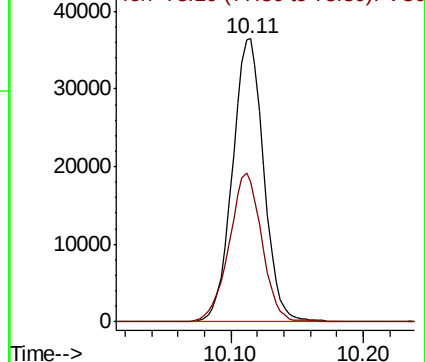
104 100

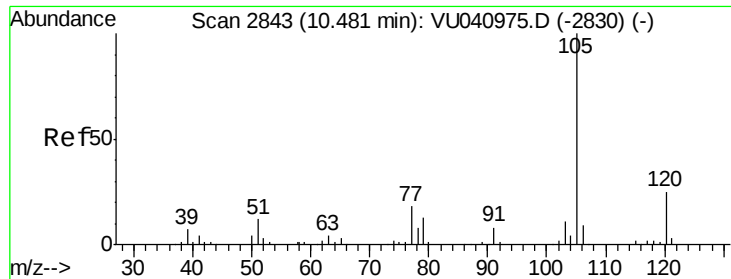
78 49.4 35.5 65.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.448 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

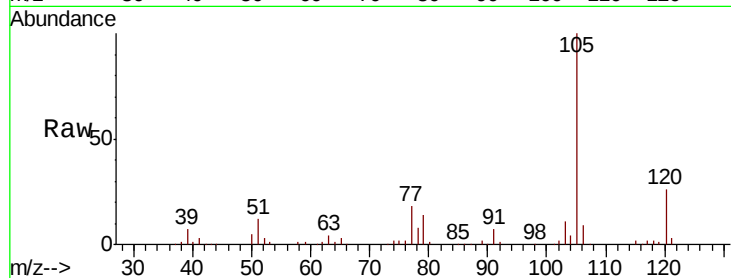
Tot Ion:105 Resp: 90646

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

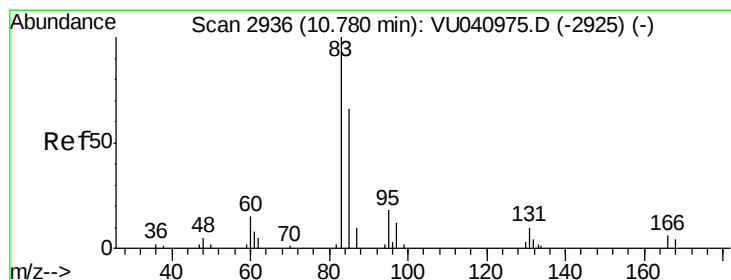
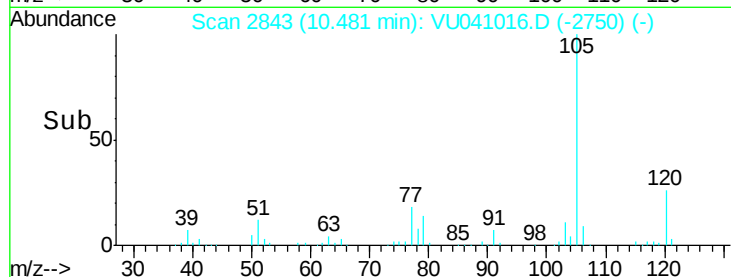
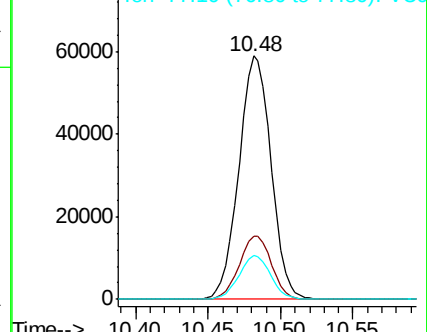
77 17.7 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.015 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

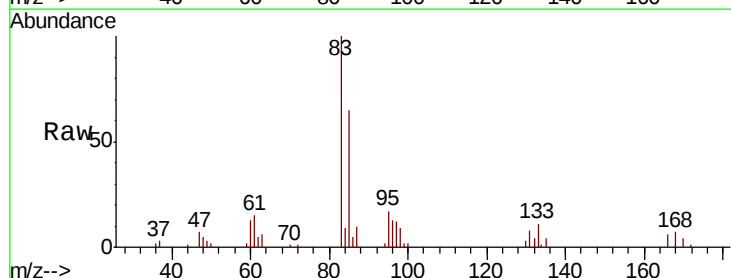
Tgt Ion: 83 Resp: 22643

Ion Ratio Lower Upper

83 100

85 65.5 44.4 82.4

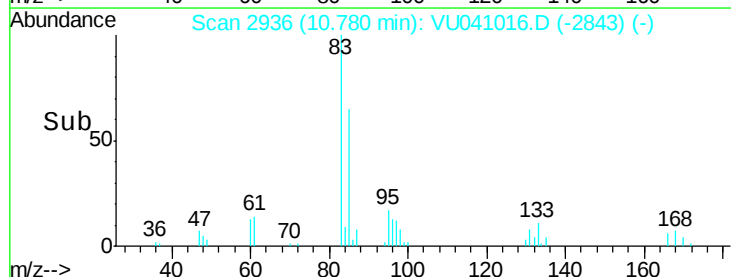
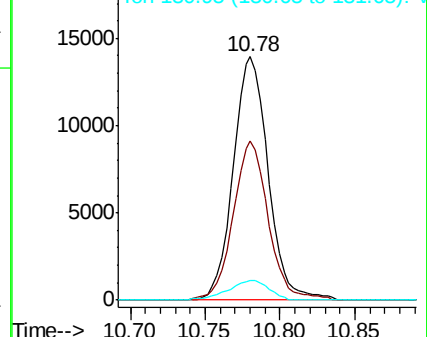
131 8.0 7.7 11.5

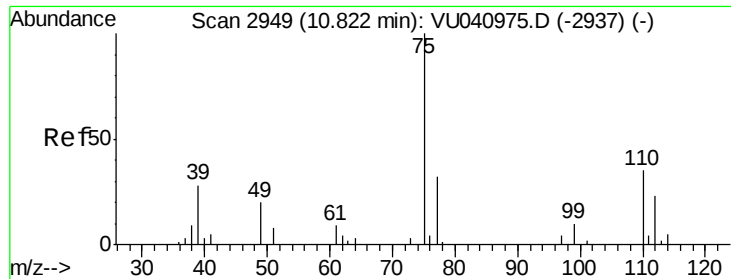


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.094 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

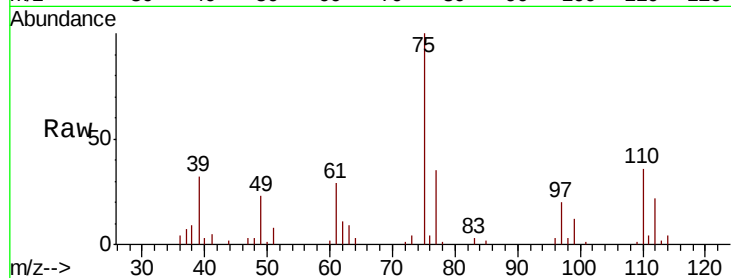
VSTD00530

Tot Ion: 75 Resp: 17534

Ion Ratio Lower Upper

75 100

77 33.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041016.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU041016.D (-2327) (-)

12000

10000

8000

6000

4000

2000

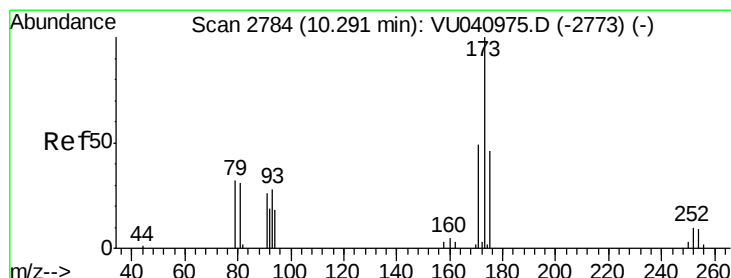
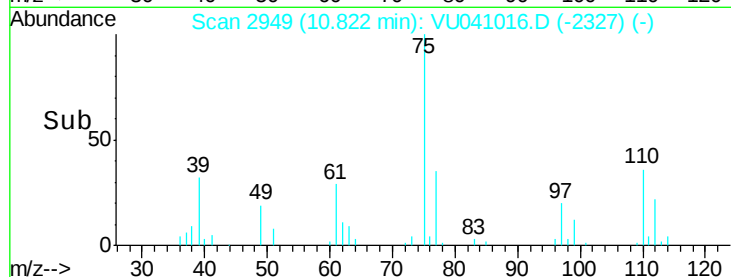
0

10.75

10.80

10.85

Time-->



#61

Bromoform

Concen: 5.052 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

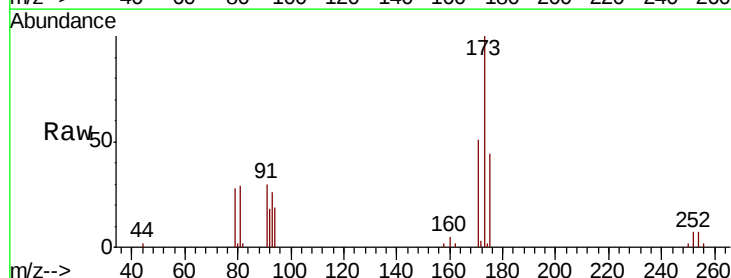
Tgt Ion: 173 Resp: 11282

Ion Ratio Lower Upper

173 100

175 46.9 37.6 56.4

254 7.6 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041016.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU041016.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU041016.D (-2691) (-)

8000

6000

4000

2000

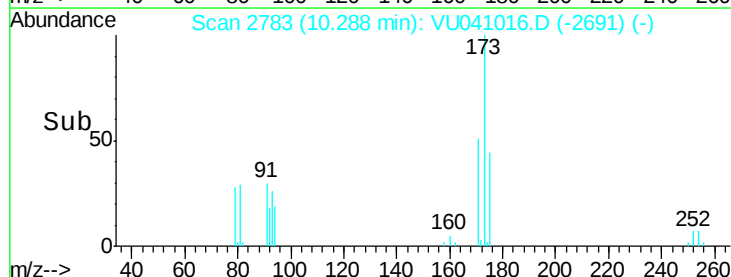
0

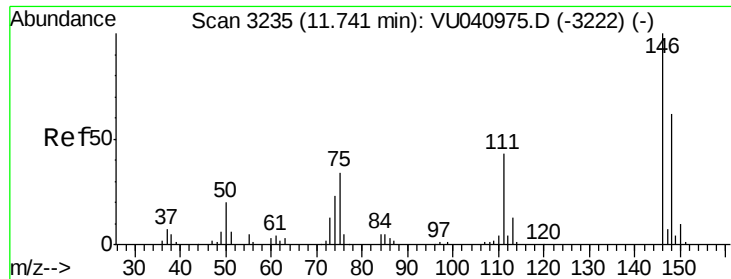
10.25

10.30

10.35

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.363 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

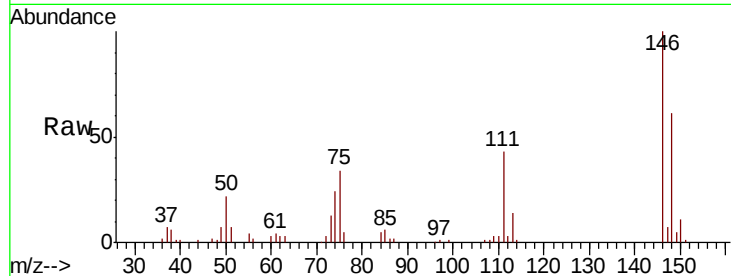
Tot Ion:146 Resp: 44855

Ion Ratio Lower Upper

146 100

111 43.2 30.9 57.3

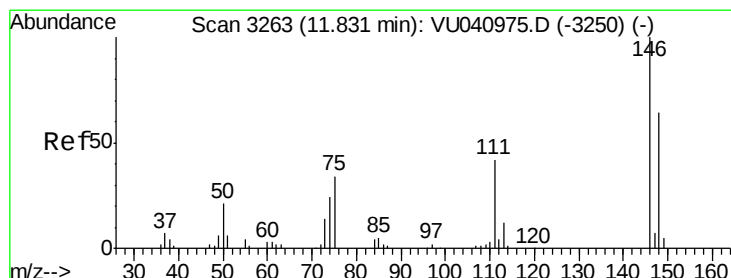
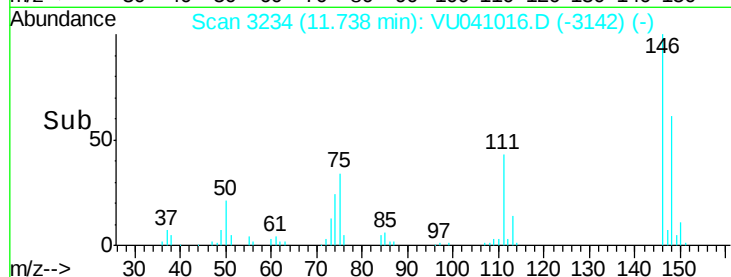
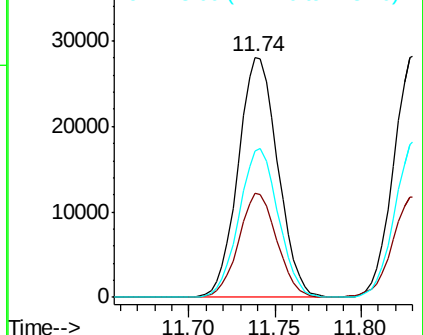
148 61.1 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.213 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

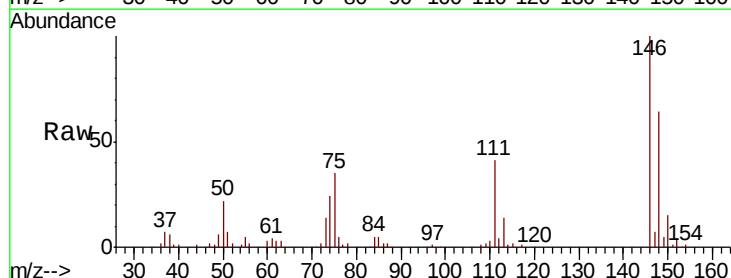
Tgt Ion:146 Resp: 45160

Ion Ratio Lower Upper

146 100

111 41.0 28.3 52.7

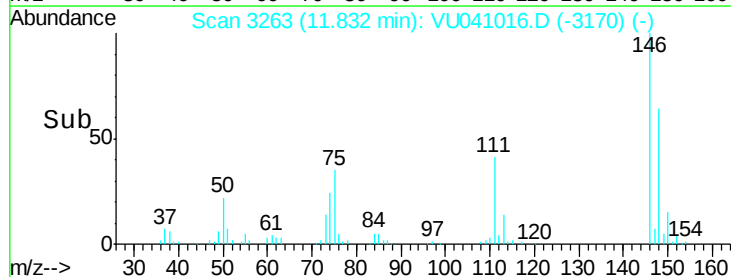
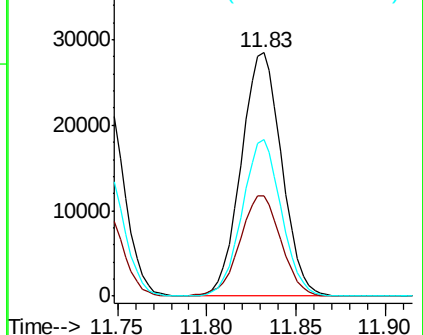
148 64.4 44.2 82.2

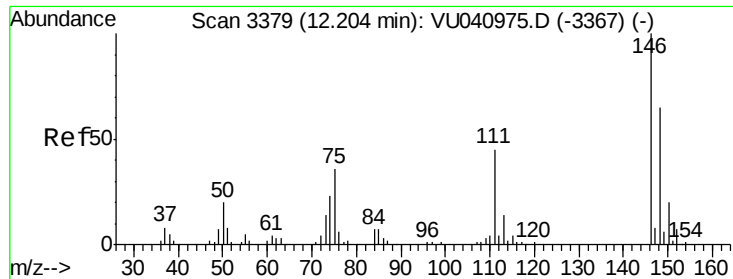


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.130 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

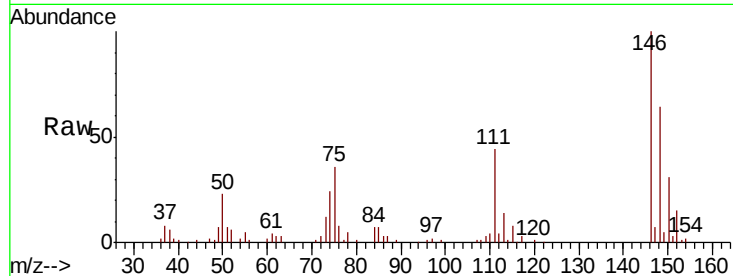
Tot Ion:146 Resp: 42345

Ion Ratio Lower Upper

146 100

111 44.1 35.0 52.6

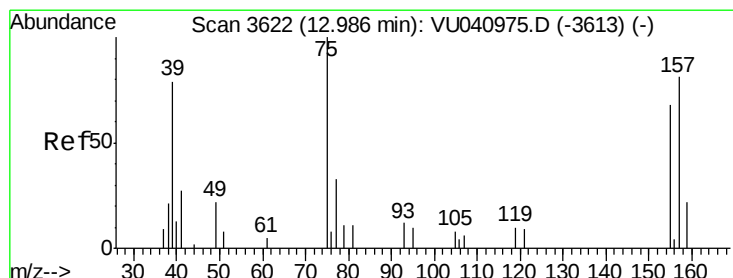
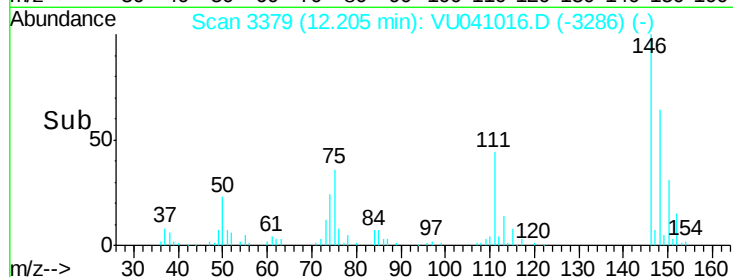
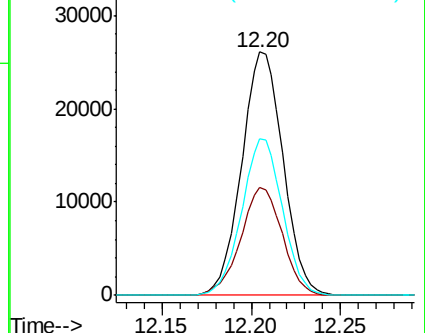
148 64.2 52.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.241 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

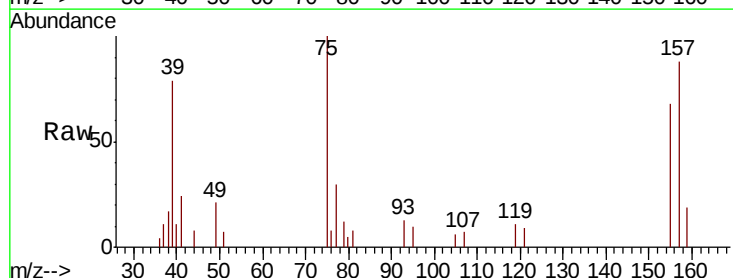
Tgt Ion: 75 Resp: 4240

Ion Ratio Lower Upper

75 100

155 67.5 61.4 92.2

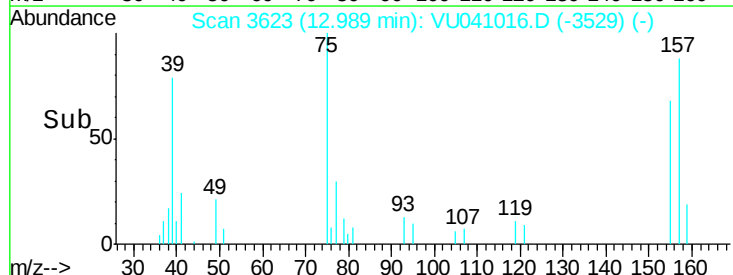
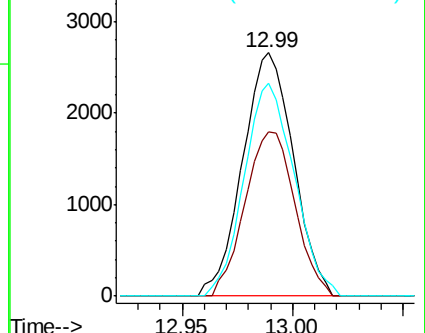
157 87.7 74.2 111.4

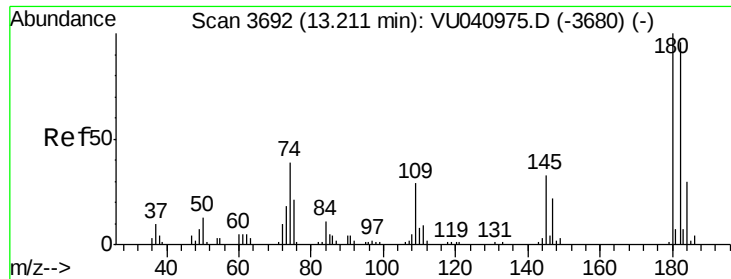


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

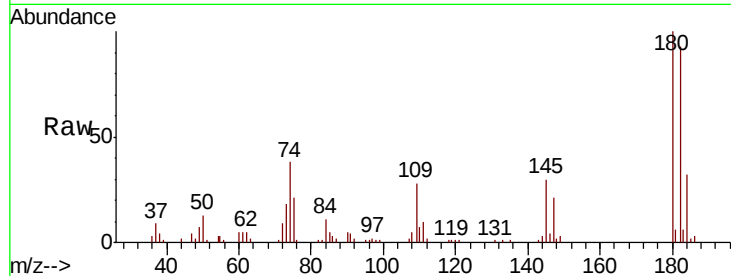




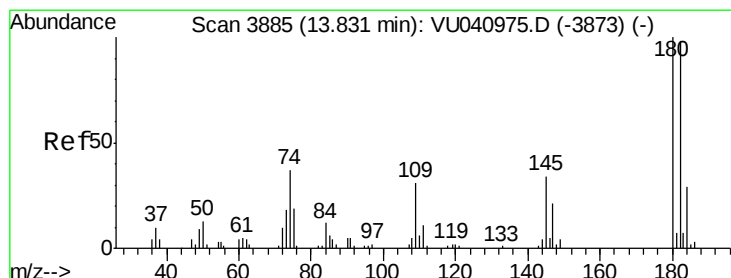
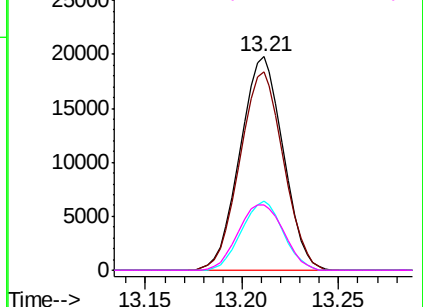
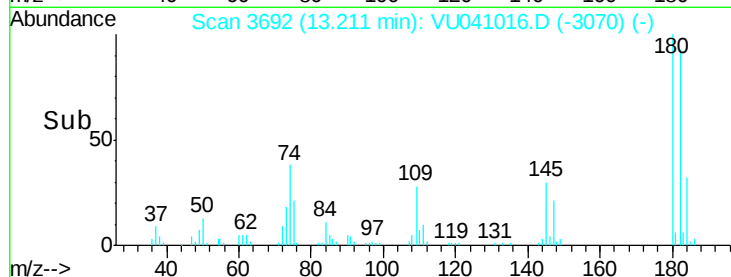
#67
 1,3,5-Trichlorobenzene
 Concen: 5.247 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tot Ion:180 Resp: 30691
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.7 113.5
 184 31.1 23.7 35.5
 145 32.5 26.1 39.1

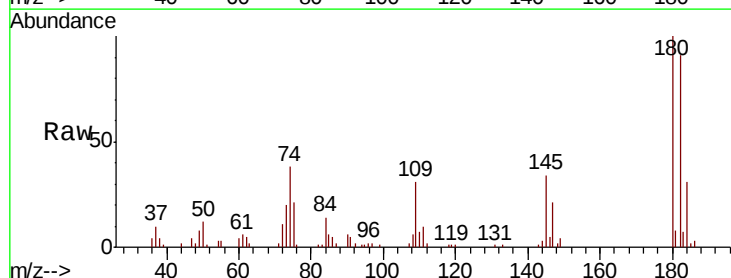


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

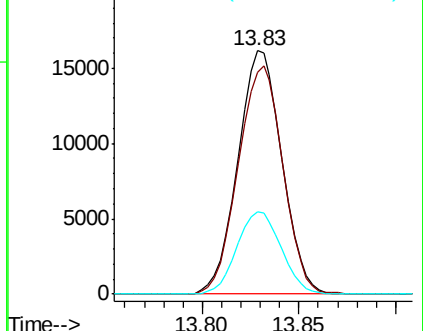
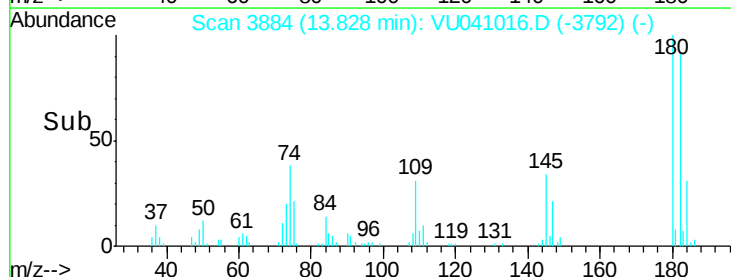


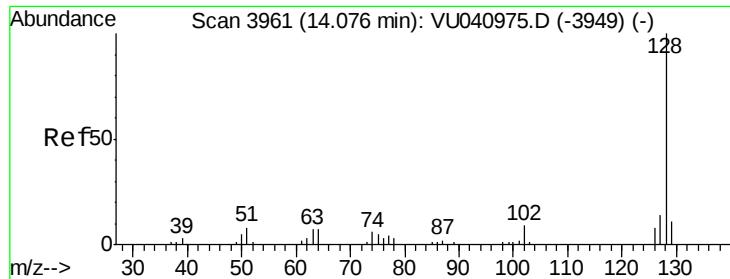
#68
 1,2,4-trichlorobenzene
 Concen: 5.283 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041016.D
 Acq: 29 Oct 2020 15:22

Tgt Ion:180 Resp: 25599
 Ion Ratio Lower Upper
 180 100
 182 95.0 73.5 110.3
 145 33.9 26.6 40.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.255 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

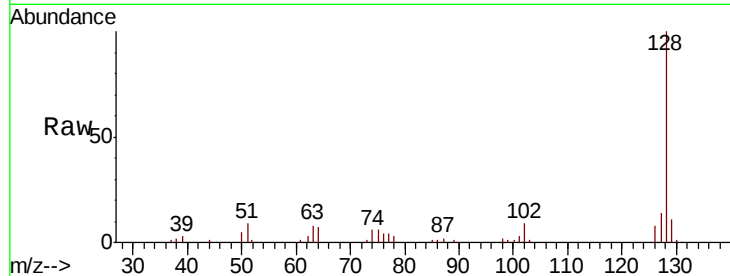
Tot Ion:128 Resp: 45536

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

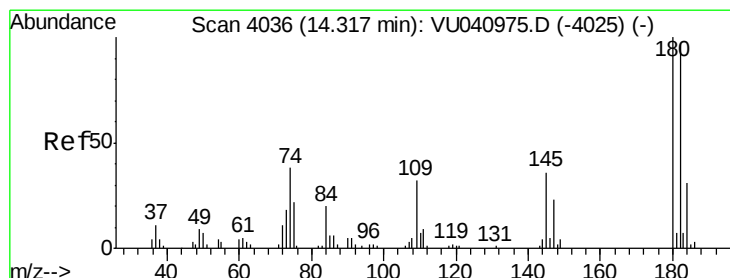
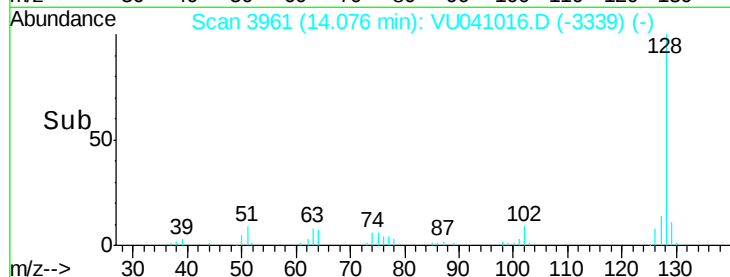
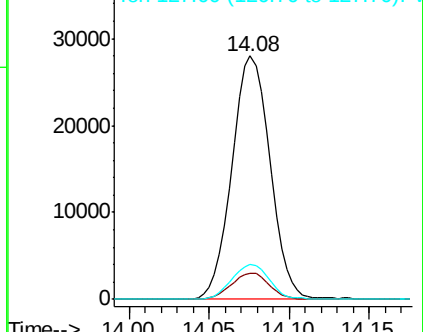
127 14.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.487 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041016.D

Acq: 29 Oct 2020 15:22

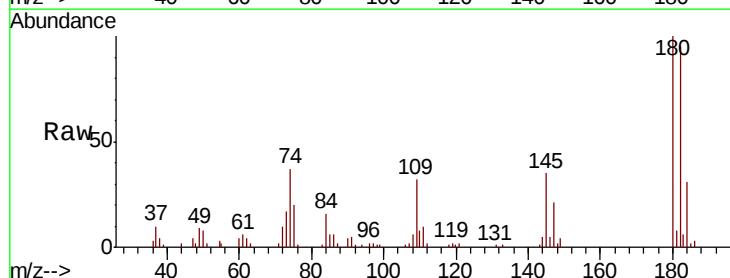
Tgt Ion:180 Resp: 24506

Ion Ratio Lower Upper

180 100

182 94.0 77.7 116.5

145 34.4 29.4 44.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

