

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U103020\
 Data File : VU041030.D
 Acq On : 29 Oct 2020 22:09
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Quant Time: Oct 30 08:16:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 30 08:06:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53321	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53884	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27323	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17134	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.92	69	14100	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.58	63	37280	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.80%
20) 2-Butanone-d5	4.66	46	85016	57.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.26%
24) Chloroform-d	5.08	84	38830	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.72	65	24781	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	65386	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.70	67	23473	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.91	98	58405	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.19	79	9680	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.64	63	61642	56.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.58%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	22159	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	21909	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	24829	5.100	ug/L 100
3) Chloromethane	1.53	50	24499	4.826	ug/L 99
5) Vinyl chloride	1.61	62	25155	5.023	ug/L 100
6) Bromomethane	1.87	94	13514	4.708	ug/L 100
8) Chloroethane	1.94	64	14796	4.663	ug/L 98
9) Trichlorofluoromethane	2.15	101	34878	5.124	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	20194	5.062	ug/L 95
12) 1,1-Dichloroethene	2.59	96	19085	5.067	ug/L 94
13) Acetone	2.68	43	54092	53.634	ug/L 94
14) Carbon disulfide	2.81	76	60108	4.776	ug/L 100
15) Methyl Acetate	2.97	43	11227	4.865	ug/L 95
16) Methylene chloride	3.06	84	23449	5.343	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	50675	5.228	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	19195	5.015	ug/L 99
19) 1,1-Dichloroethane	3.89	63	40229	5.257	ug/L 98
21) 2-Butanone	4.74	43	84980	53.912	ug/L 99
22) cis-1,2-Dichloroethene	4.69	96	20858	5.283	ug/L 95

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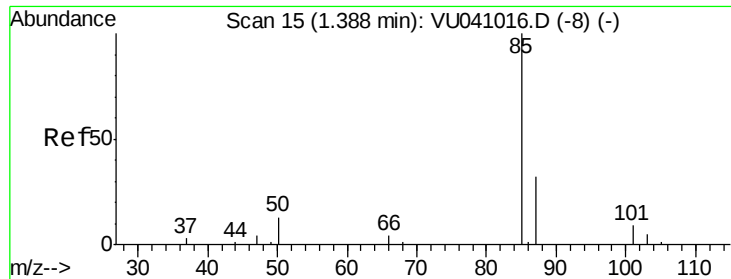
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	10229	5.492	ug/L	98
25) Chloroform	5.11	83	41966	5.469	ug/L	98
27) 1,2-Dichloroethane	5.81	62	31008	5.425	ug/L #	94
29) 1,1,1-Trichloroethane	5.34	97	35063	5.321	ug/L	97
30) Cyclohexane	5.41	56	32225	4.963	ug/L	97
31) Carbon tetrachloride	5.54	117	30966	5.306	ug/L	98
33) Benzene	5.79	78	83577	5.191	ug/L	100
34) Trichloroethene	6.56	95	21907	5.347	ug/L	97
35) Methylcyclohexane	6.78	83	28944	4.736	ug/L	98
37) 1,2-Dichloropropane	6.80	63	23629	5.424	ug/L #	97
38) Bromodichloromethane	7.11	83	29690	5.254	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	30245	5.042	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	193536	55.716	ug/L	98
42) Toluene	7.98	91	88663	5.431	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	29066	5.178	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	17396	5.364	ug/L	93
47) Tetrachloroethene	8.56	164	15583	5.172	ug/L	96
48) 2-Hexanone	8.69	43	148942	56.946	ug/L	97
49) Dibromochloromethane	8.82	129	20189	5.361	ug/L	99
50) 1,2-Dibromoethane	8.93	107	16282	5.269	ug/L	97
51) Chlorobenzene	9.45	112	52995	5.119	ug/L	97
52) Ethylbenzene	9.57	91	88840	5.170	ug/L	99
53) m,p-Xylene	9.69	106	33597	5.361	ug/L	99
54) o-Xylene	10.10	106	30894	5.293	ug/L	96
55) Styrene	10.11	104	56264	5.410	ug/L	98
56) Isopropylbenzene	10.48	105	83652	5.330	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	22146	5.200	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	16914	5.209	ug/L	98
61) Bromoform	10.29	173	11220	5.329	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	42419	5.378	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	42322	5.181	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	39279	5.047	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	4243	5.562	ug/L	87
67) 1,3,5-Trichlorobenzene	13.21	180	27709	5.023	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	22964	5.026	ug/L	98
69) Naphthalene	14.08	128	40242	4.925	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	21969	5.216	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.100 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

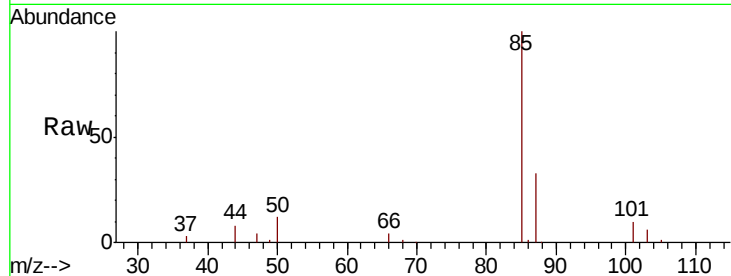
VSTD00508

Tot Ion: 85 Resp: 24829

Ion Ratio Lower Upper

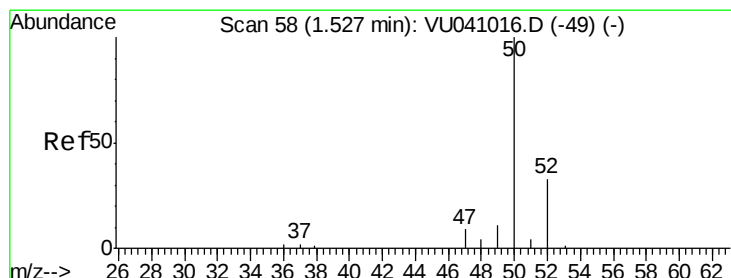
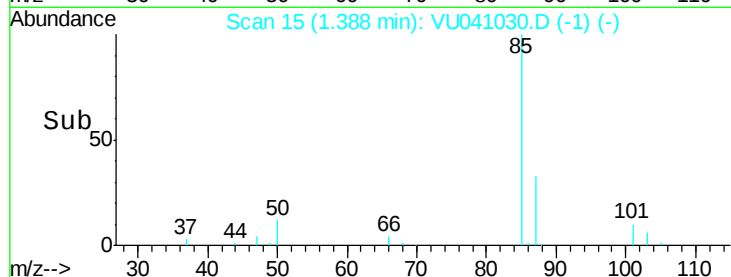
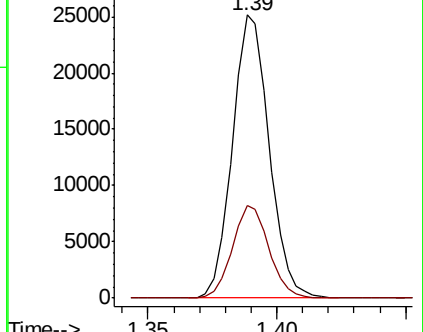
85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041016.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU041016.D (-8) (-)



#3

Chloromethane

Concen: 4.826 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041030.D

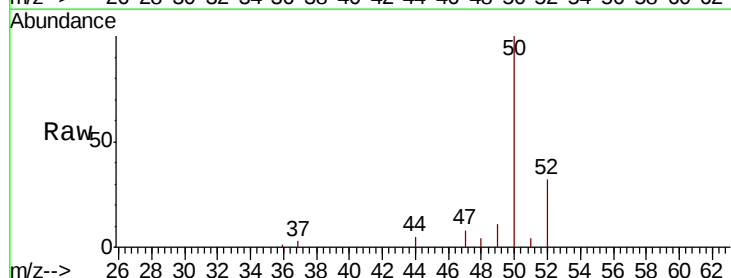
Acq: 29 Oct 2020 22:09

Tgt Ion: 50 Resp: 24499

Ion Ratio Lower Upper

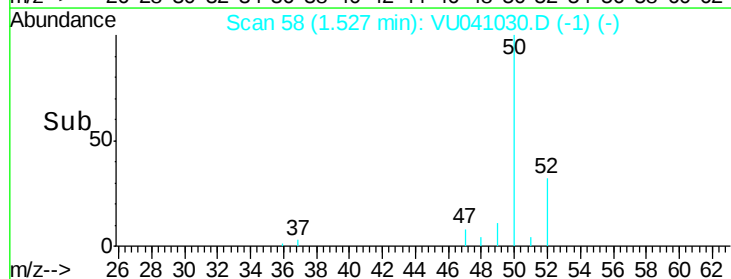
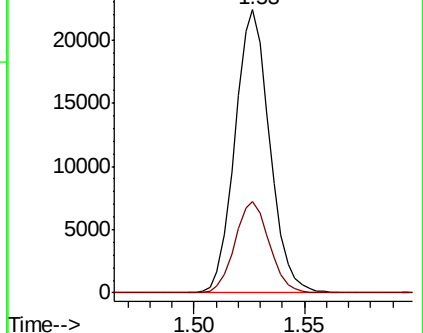
50 100

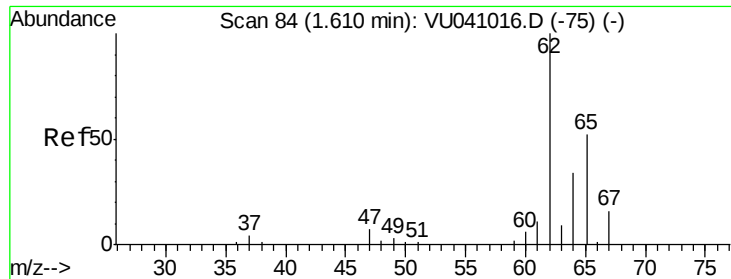
52 32.3 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041016.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU041016.D (-49) (-)





#5

Vinyl chloride

Concen: 5.023 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

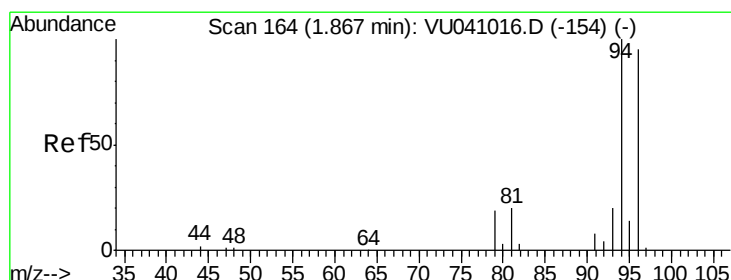
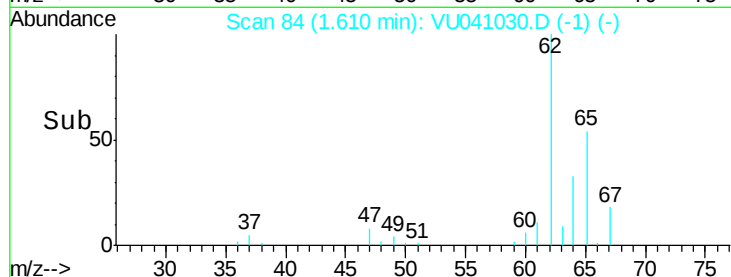
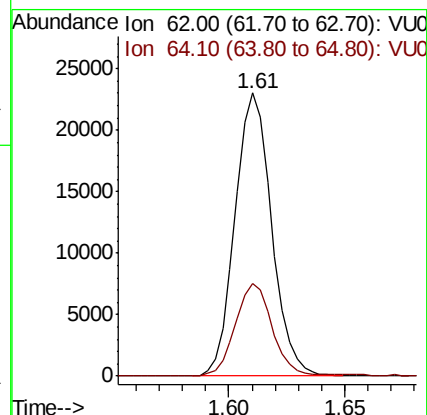
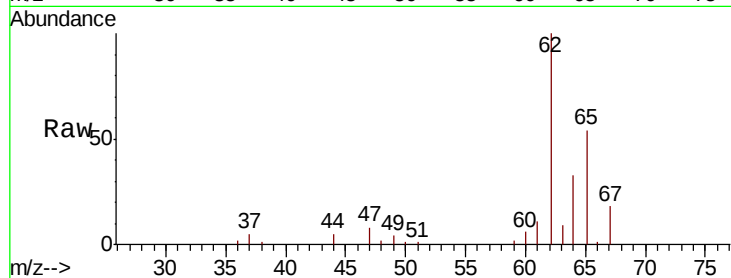
VSTD00508

Tot Ion: 62 Resp: 25155

Ion Ratio Lower Upper

62 100

64 32.6 22.7 42.3



#6

Bromomethane

Concen: 4.708 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041030.D

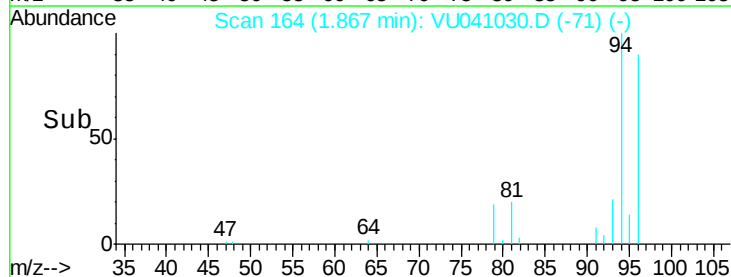
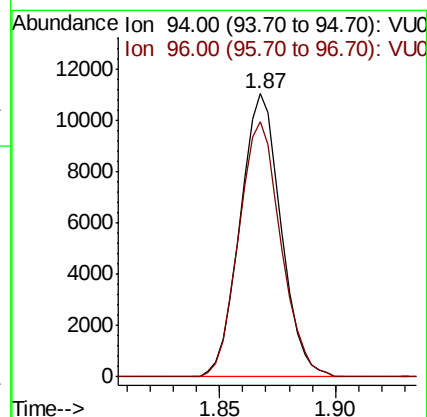
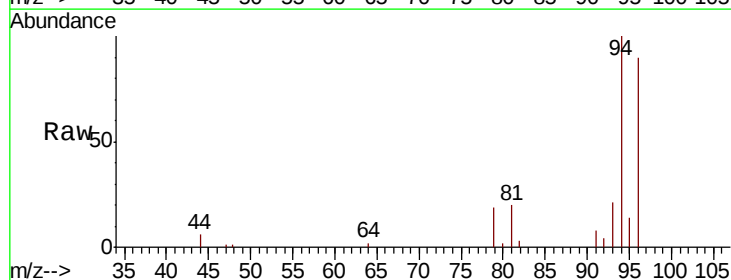
Acq: 29 Oct 2020 22:09

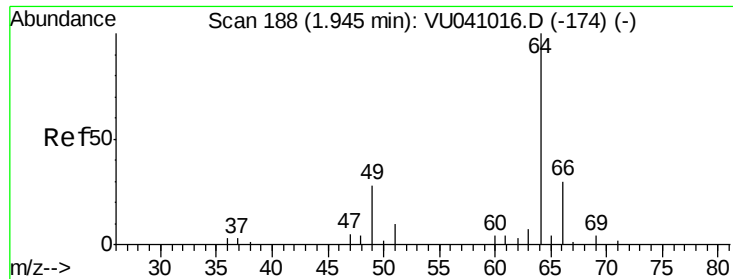
Tgt Ion: 94 Resp: 13514

Ion Ratio Lower Upper

94 100

96 90.3 63.5 117.9

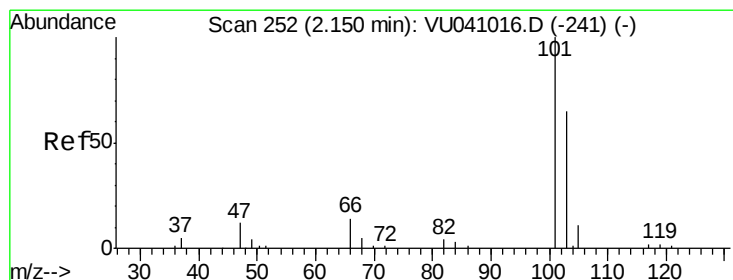
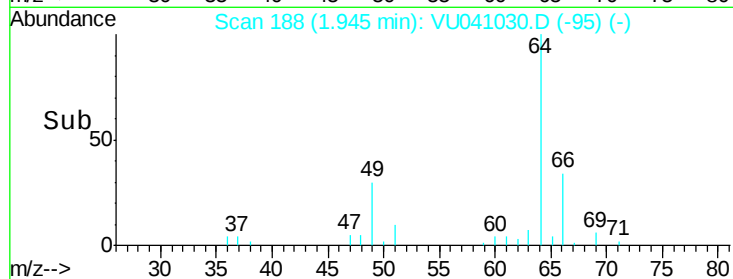
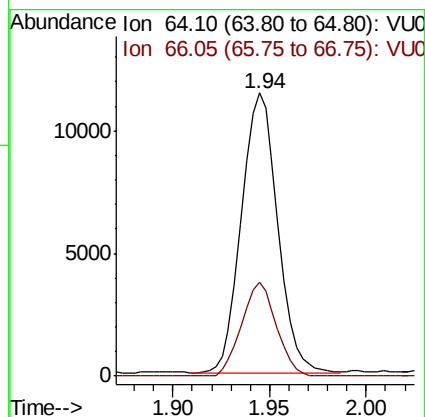
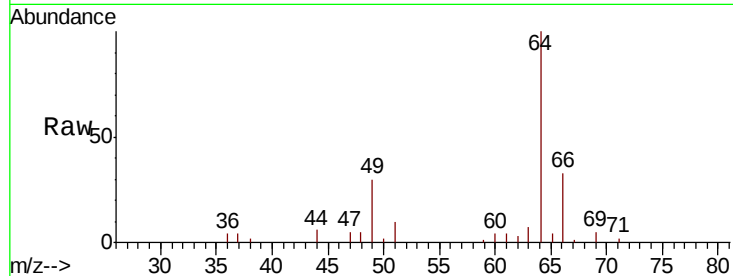




#8
Chloroethane
Concen: 4.663 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

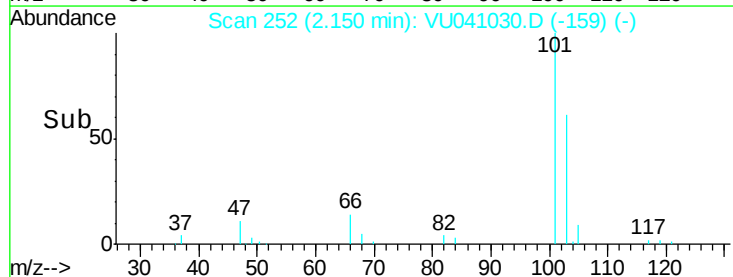
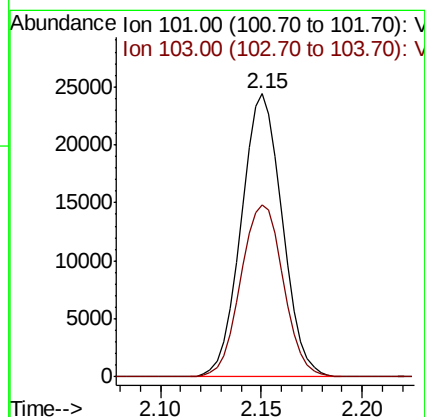
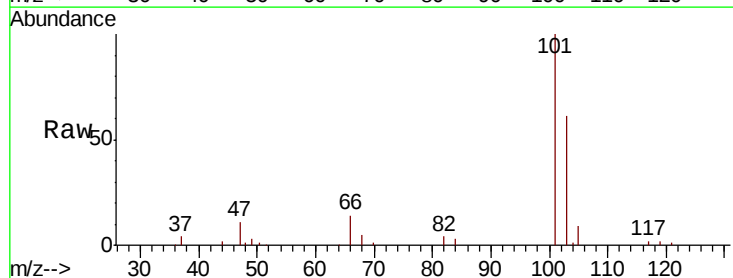
Instrument :
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VSTD00508

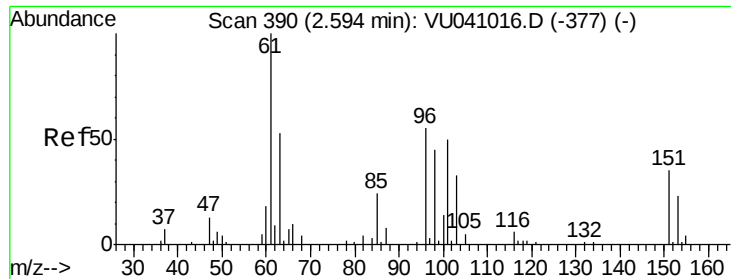
Tot Ion: 64 Resp: 14796
Ion Ratio Lower Upper
64 100
66 33.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 5.124 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion:101 Resp: 34878
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.4





#10

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

Concen: 5.062 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

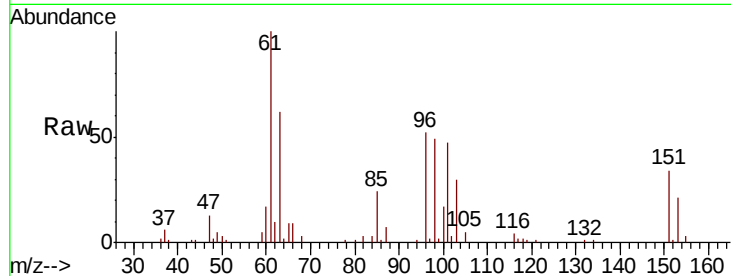
Tot Ion:101 Resp: 20194

Ion Ratio Lower Upper

101 100

85 48.8 35.0 52.4

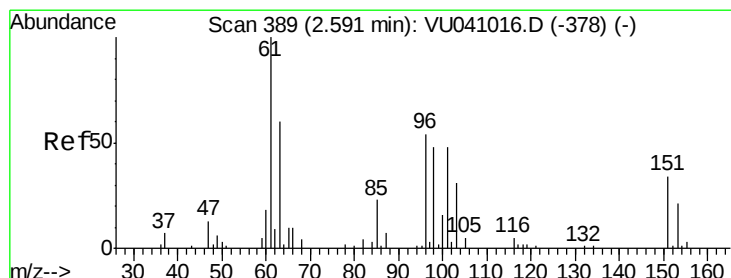
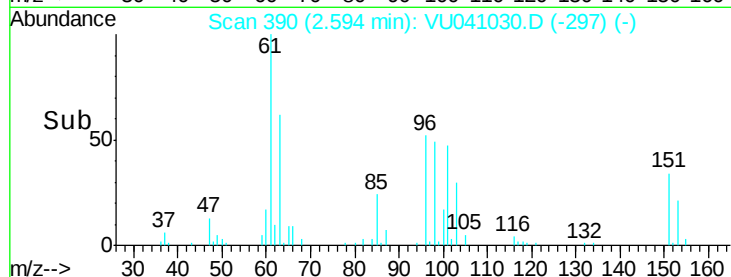
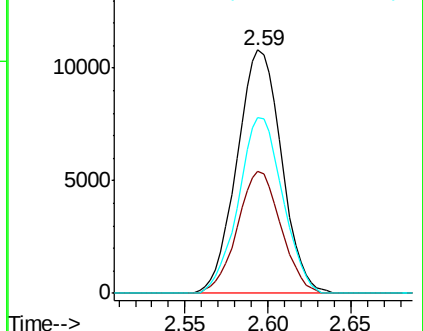
151 71.7 55.3 82.9



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: 5.067 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

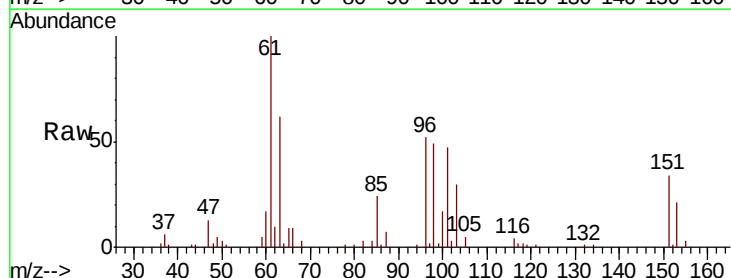
Tgt Ion: 96 Resp: 19085

Ion Ratio Lower Upper

96 100

61 193.0 134.3 249.5

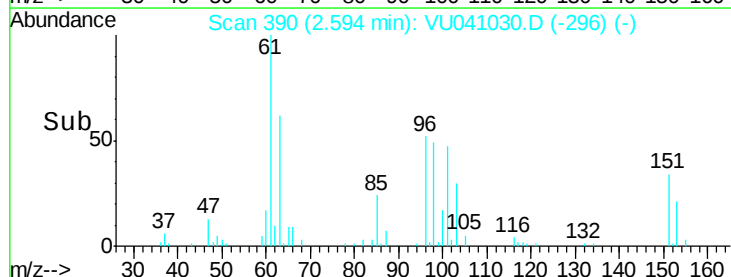
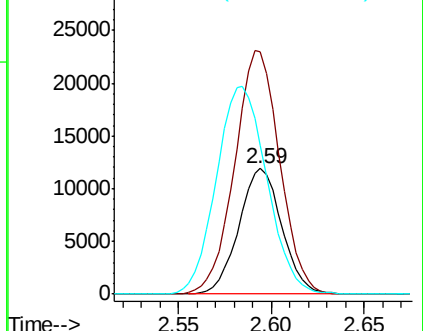
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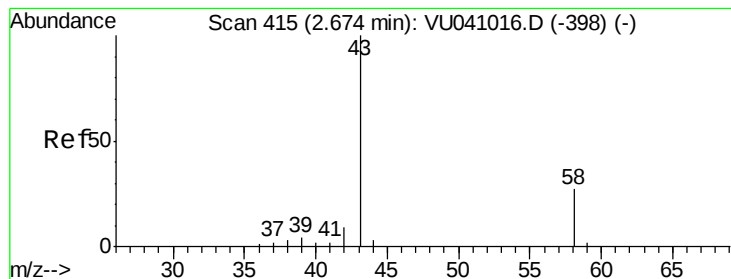


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.634 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

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ClientSampleId :

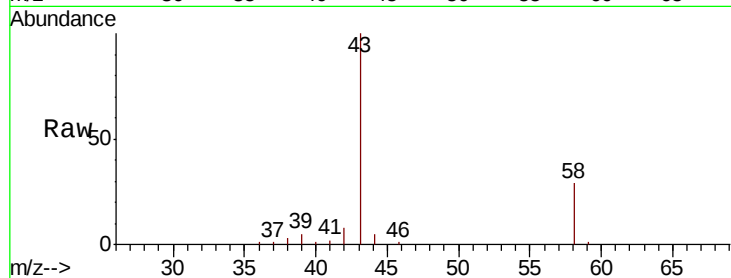
VSTD00508

Tot Ion: 43 Resp: 54092

Ion Ratio Lower Upper

43 100

58 10.4 0.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU041016.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU041016.D (-398) (-)

2.68

10000

8000

6000

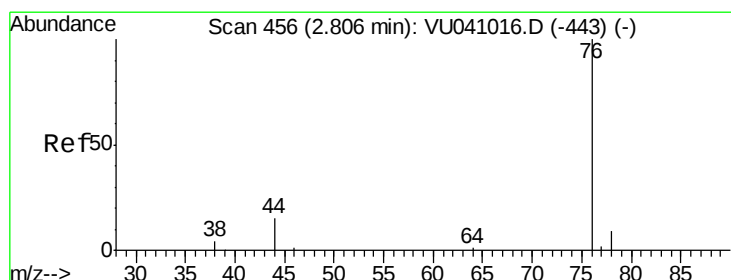
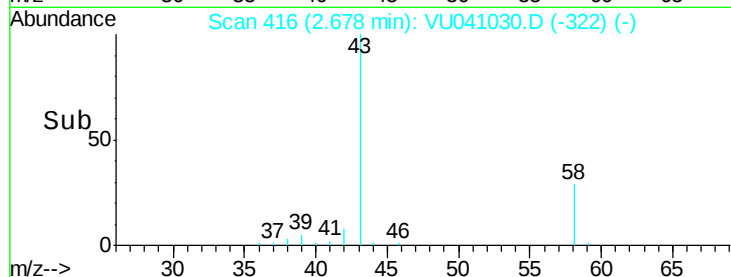
4000

2000

0

Time-->

2.60 2.80



#14

Carbon disulfide

Concen: 4.776 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041030.D

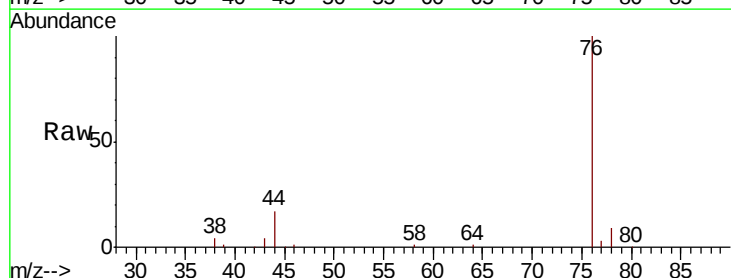
Acq: 29 Oct 2020 22:09

Tgt Ion: 76 Resp: 60108

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU041016.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041016.D (-443) (-)

2.81

40000

30000

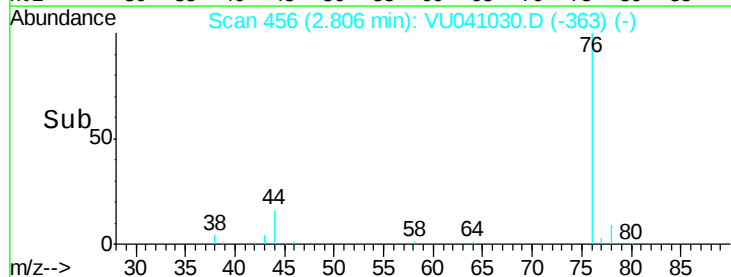
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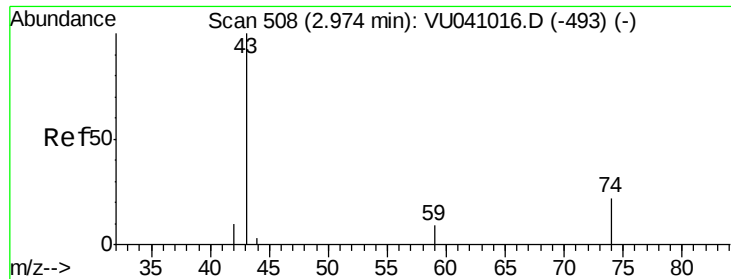
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Time-->

2.75 2.85 2.90

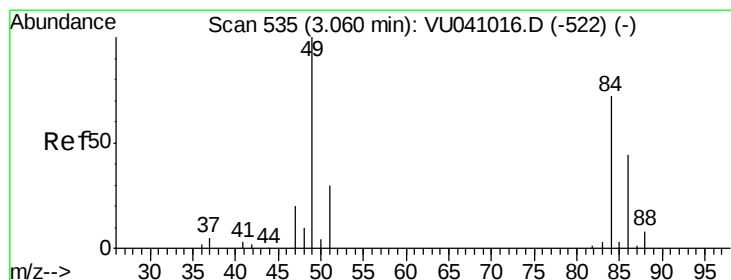
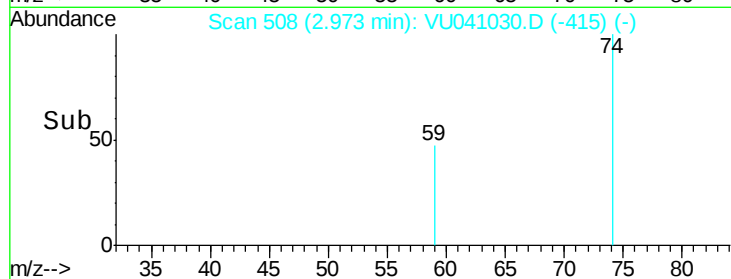
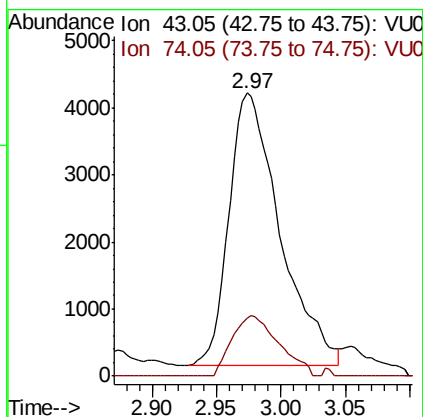
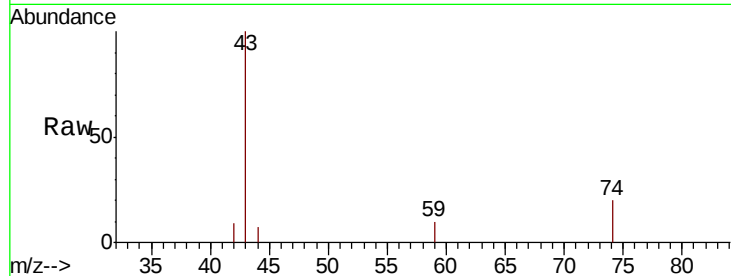




#15
Methyl Acetate
Concen: 4.865 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

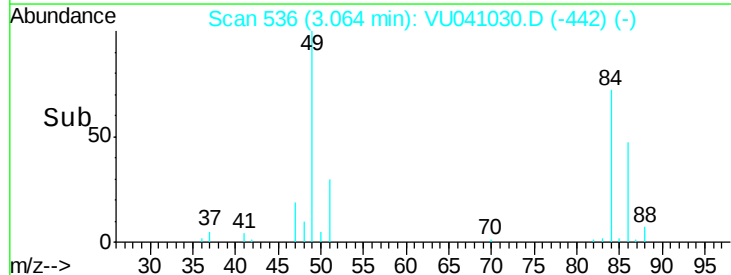
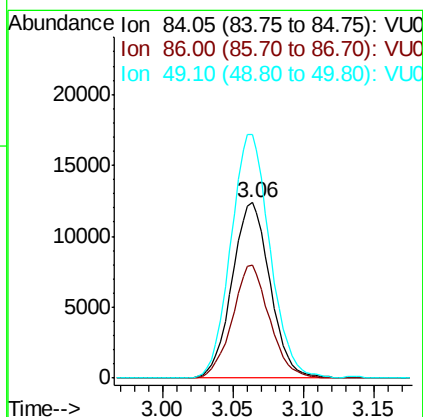
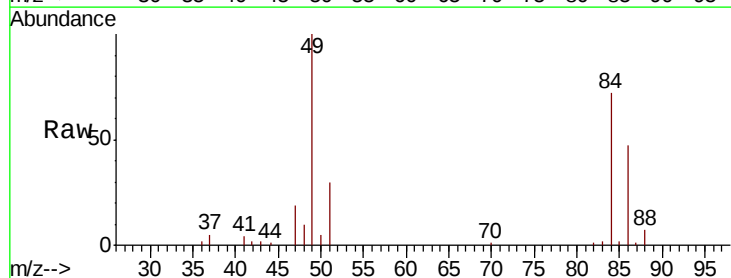
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

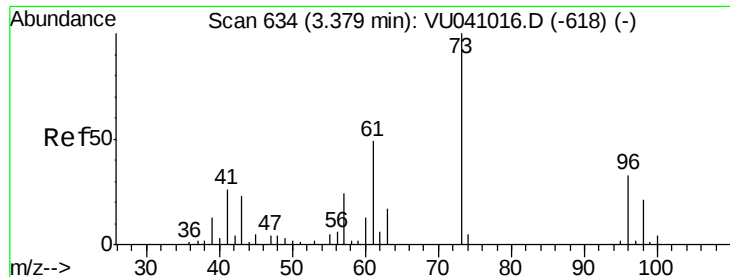
Tot Ion: 43 Resp: 11227
Ion Ratio Lower Upper
43 100
74 20.3 18.3 27.5



#16
Methylene chloride
Concen: 5.343 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion: 84 Resp: 23449
Ion Ratio Lower Upper
84 100
86 64.5 42.8 79.6
49 138.4 99.5 184.7

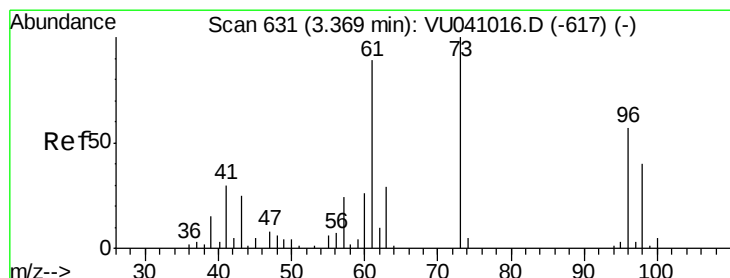
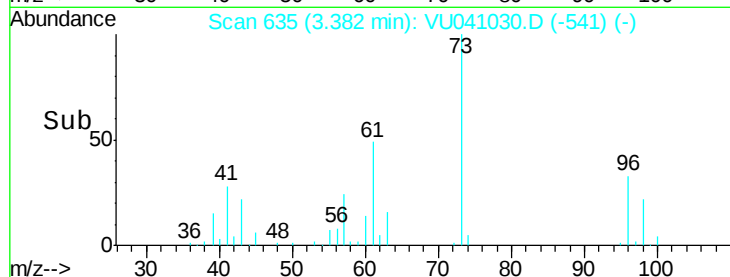
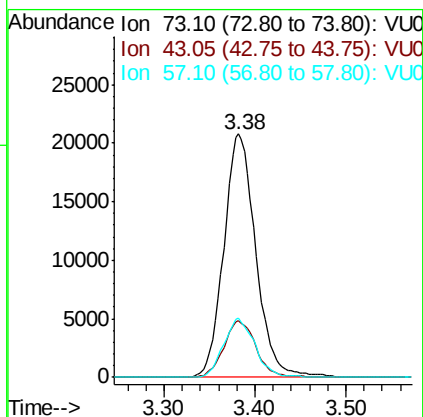
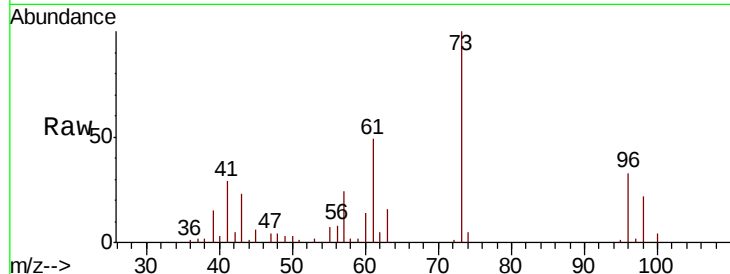




#17
Methvl tert-butvl Ether
Concen: 5.228 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

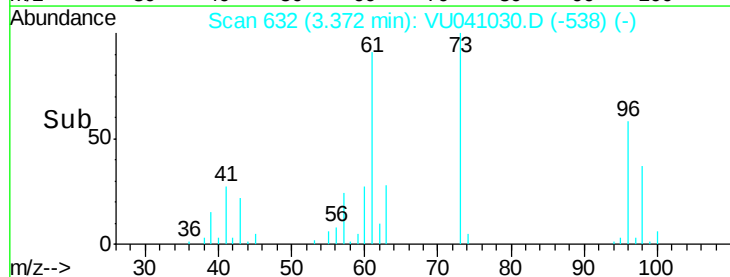
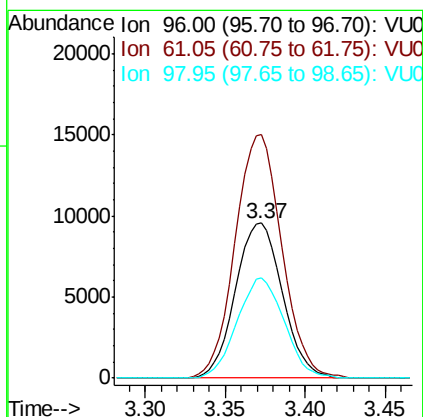
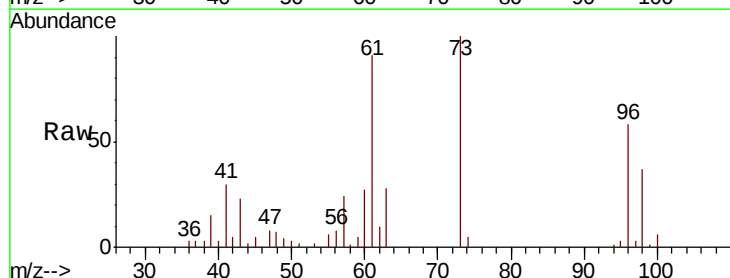
Instrument :
MSVOA_U
ClientSampled :
VSTD00508

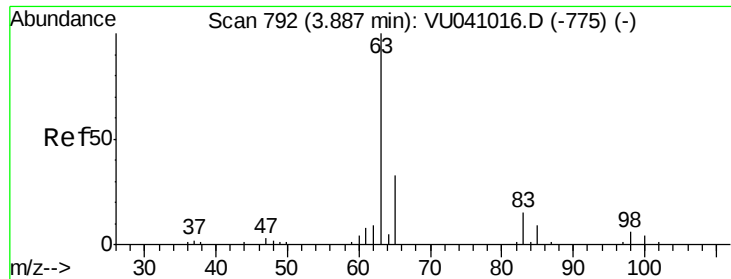
Tot Ion: 73 Resp: 50675
Ion Ratio Lower Upper
73 100
43 23.4 18.5 27.7
57 23.6 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 5.015 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion: 96 Resp: 19195
Ion Ratio Lower Upper
96 100
61 157.2 110.9 205.9
98 65.0 45.4 84.2

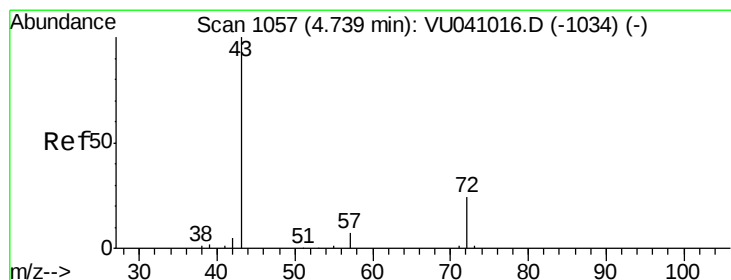
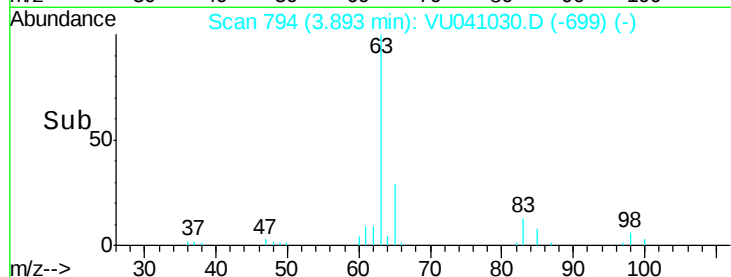
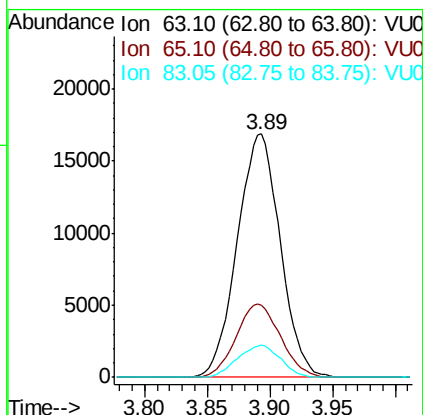
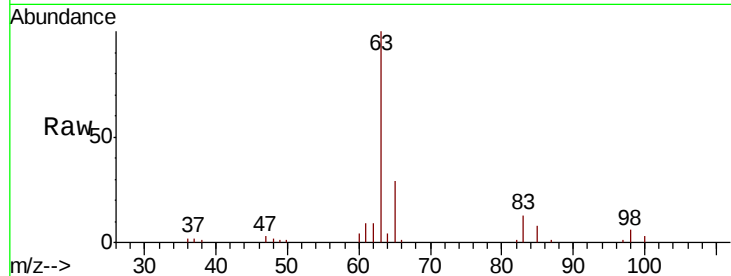




#19
 1,1-Dichloroethane
 Concen: 5.257 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

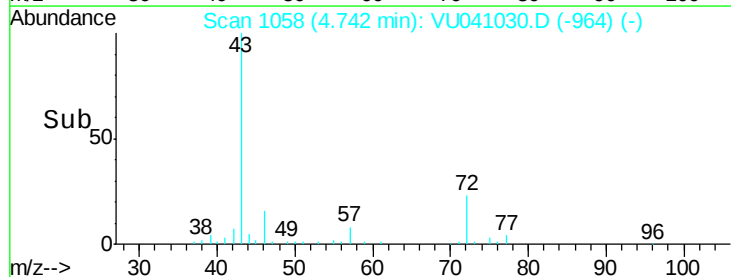
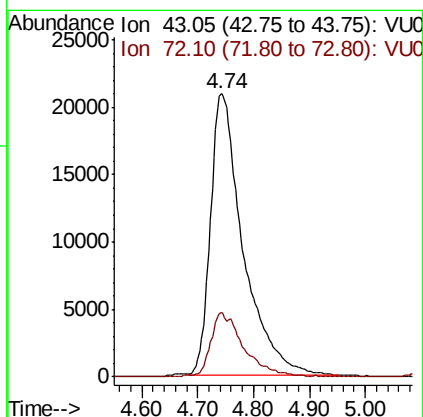
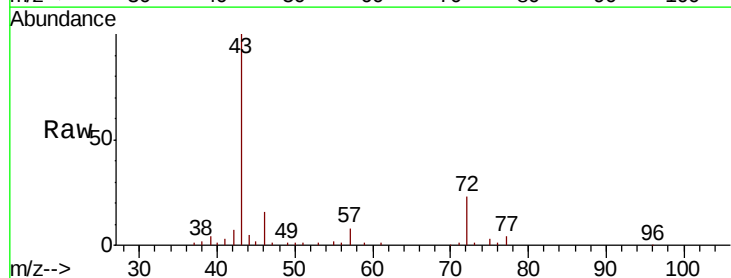
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

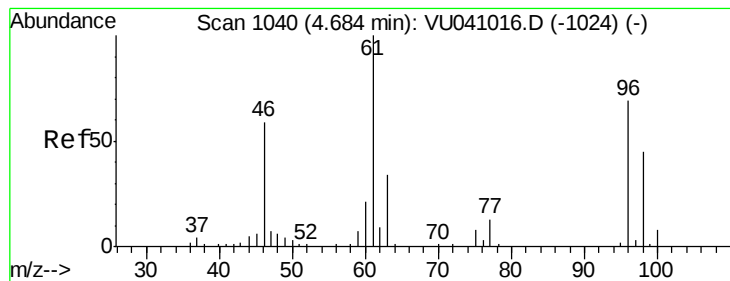
Tot Ion: 63 Resp: 40229
 Ion Ratio Lower Upper
 63 100
 65 29.5 21.3 39.6
 83 13.3 8.8 16.3



#21
 2-Butanone
 Concen: 53.912 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Tgt Ion: 43 Resp: 84980
 Ion Ratio Lower Upper
 43 100
 72 23.2 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.283 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

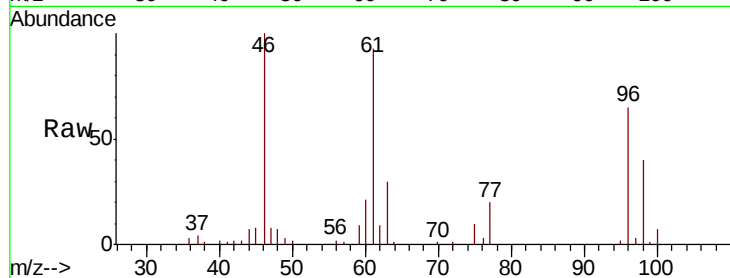
Tot Ion: 96 Resp: 20858

Ion Ratio Lower Upper

96 100

61 144.8 97.2 180.4

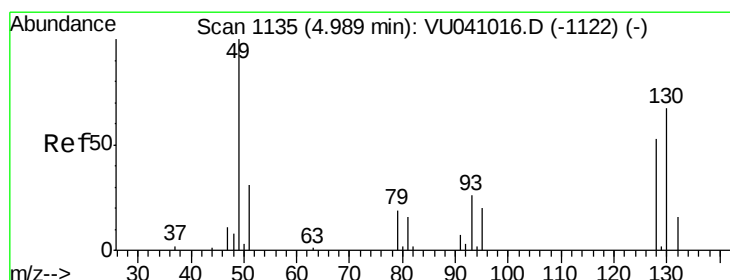
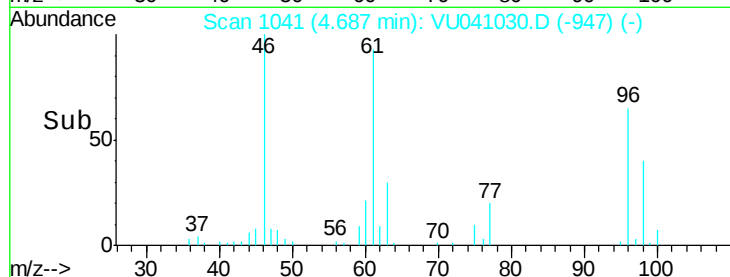
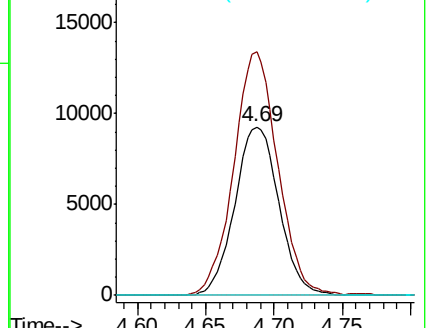
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041030.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041030.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041030.D (-947) (-)



#23

Bromochloromethane

Concen: 5.492 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Tgt Ion: 128 Resp: 10229

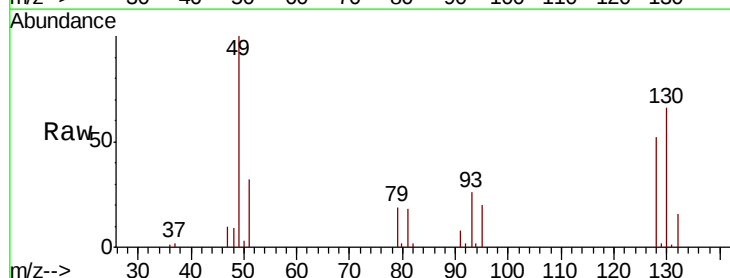
Ion Ratio Lower Upper

128 100

49 191.3 135.0 250.8

130 125.4 89.9 167.0

51 60.8 51.9 77.9

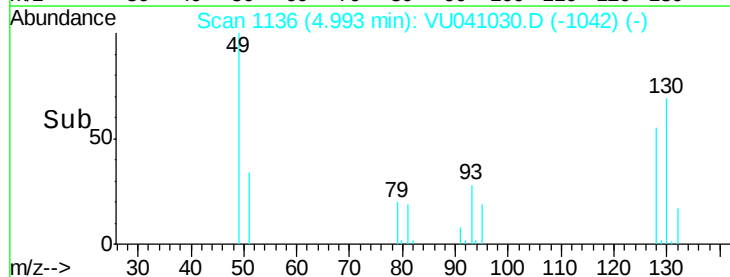
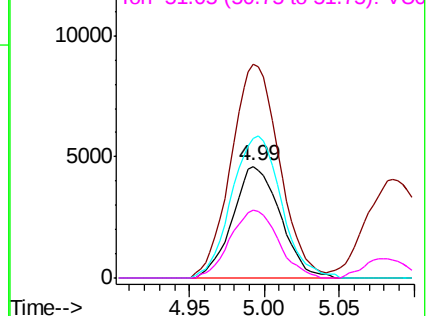


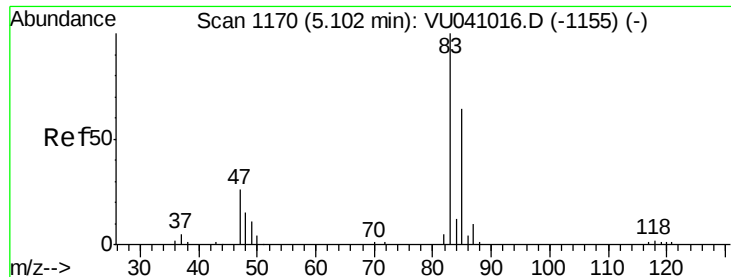
Abundance Ion 127.90 (127.60 to 128.60): VU041030.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041030.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041030.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041030.D (-1042) (-)

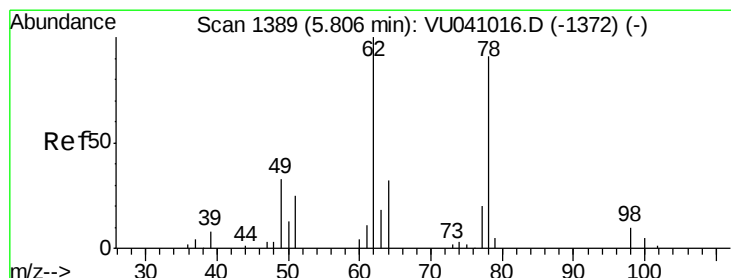
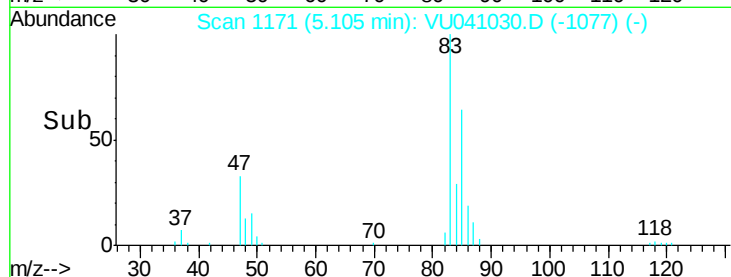
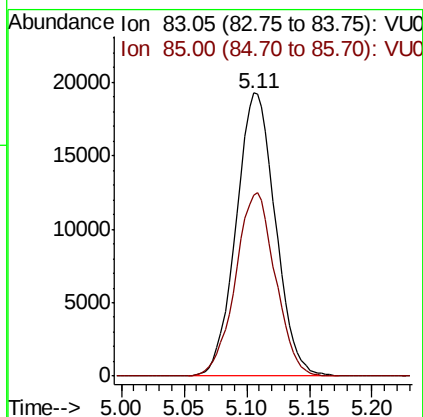
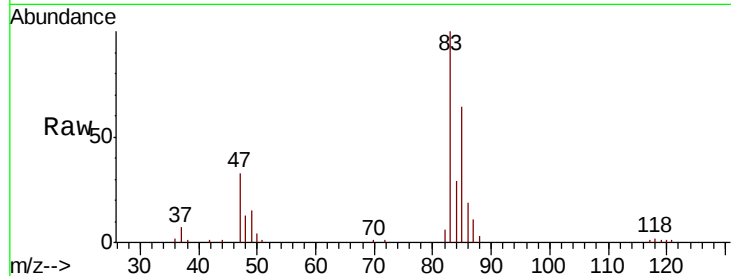




#25
Chloroform
Concen: 5.469 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

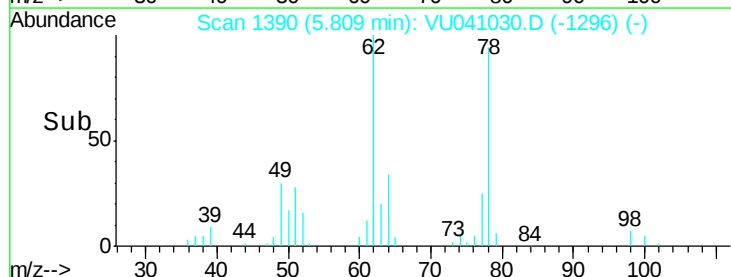
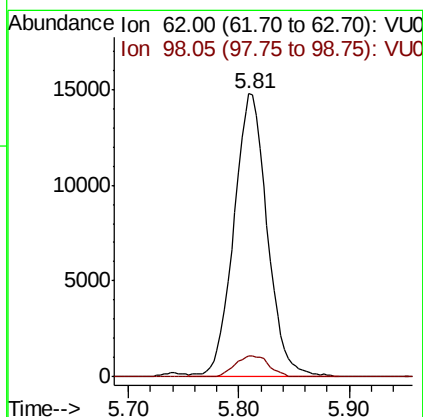
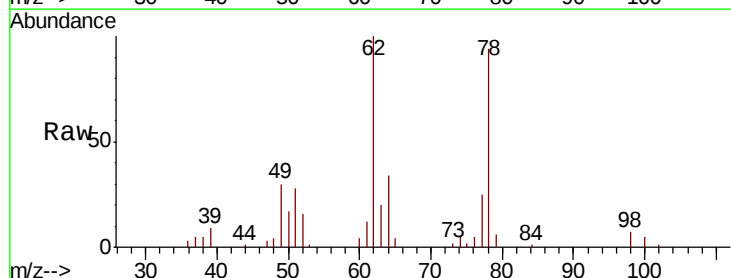
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

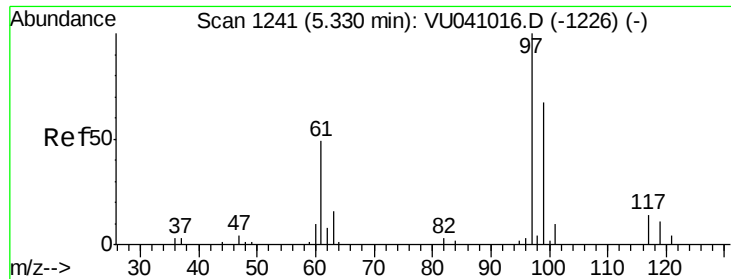
Tot Ion: 83 Resp: 41966
Ion Ratio Lower Upper
83 100
85 64.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.425 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion: 62 Resp: 31008
Ion Ratio Lower Upper
62 100
98 7.3 7.6 11.4#

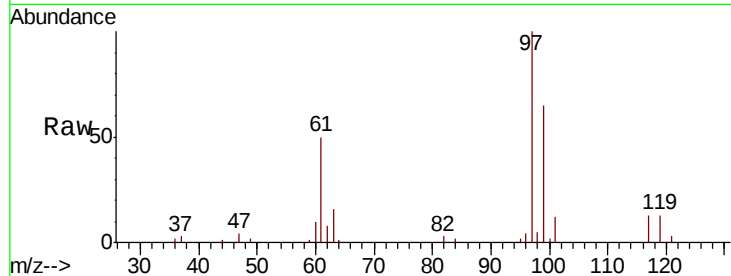




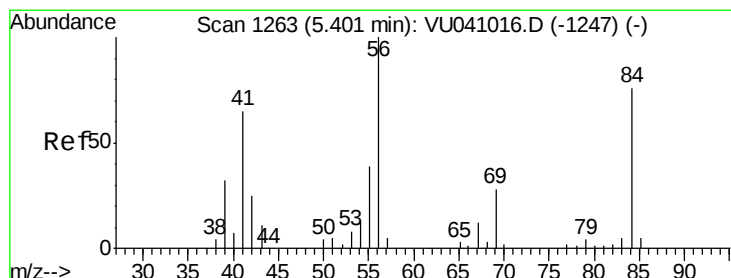
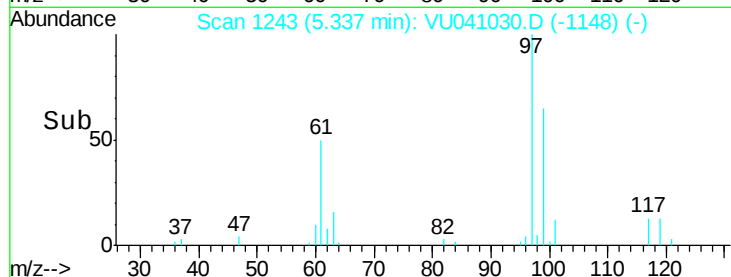
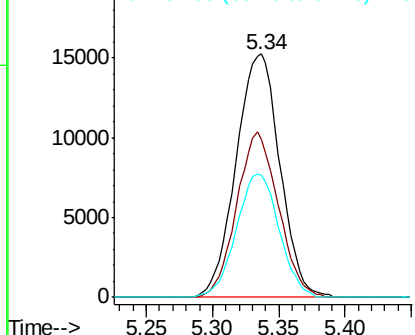
#29
 1,1,1-Trichloroethane
 Concen: 5.321 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 97 Resp: 35063
 Ion Ratio Lower Upper
 97 100
 99 64.5 53.4 80.0
 61 49.4 41.6 62.4

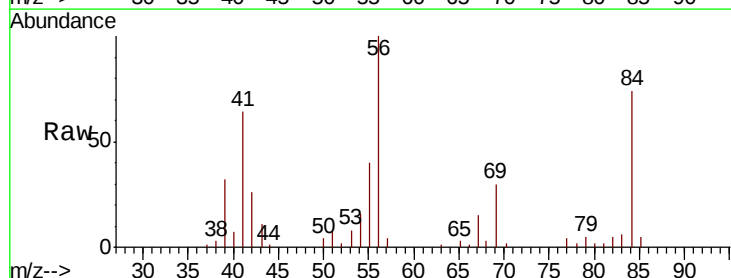


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

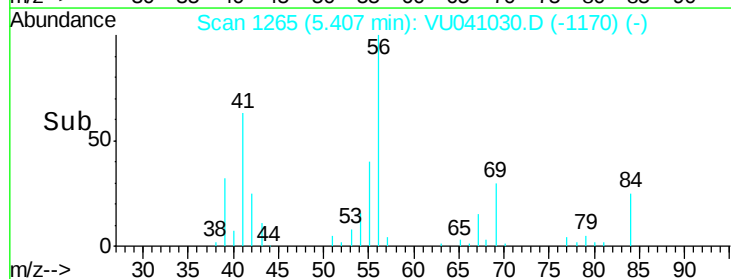
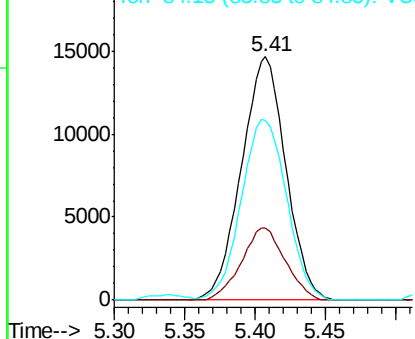


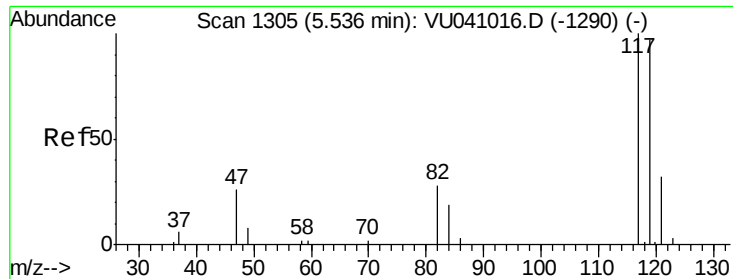
#30
 Cyclohexane
 Concen: 4.963 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Tgt Ion: 56 Resp: 32225
 Ion Ratio Lower Upper
 56 100
 69 29.1 22.8 34.2
 84 75.9 63.6 95.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

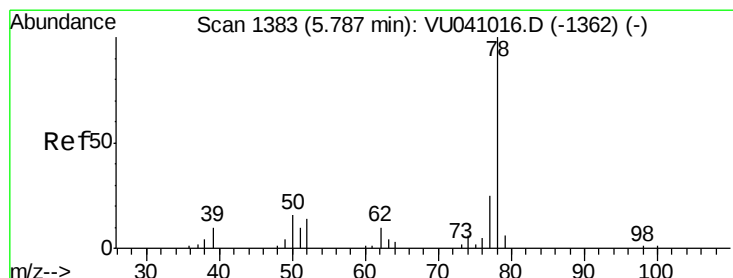
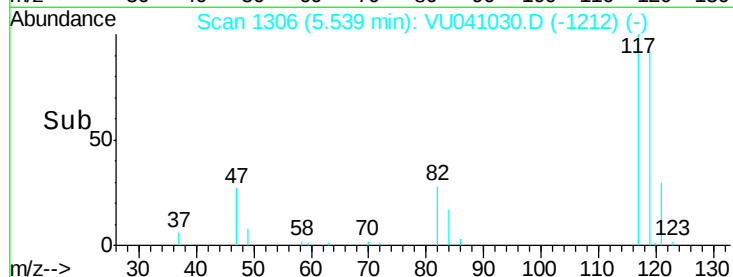
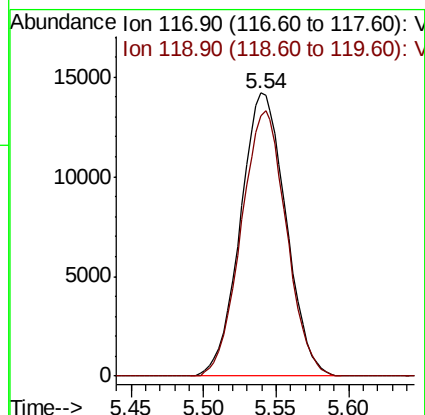
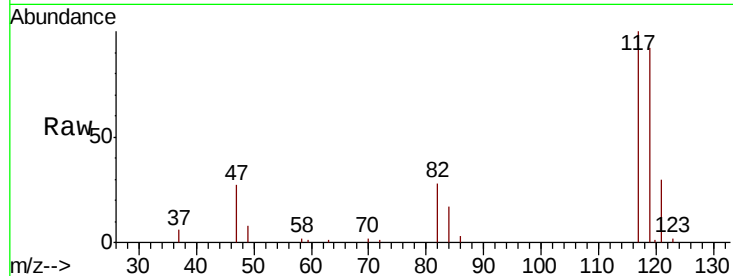




#31
Carbon tetrachloride
Concen: 5.306 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

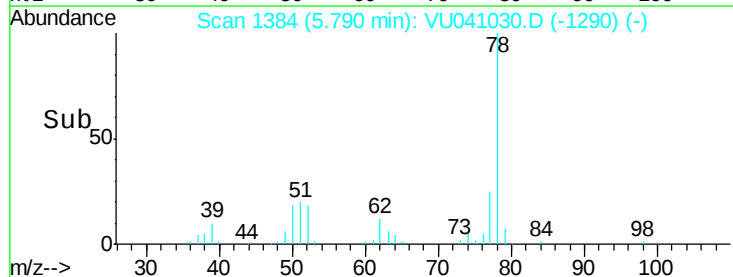
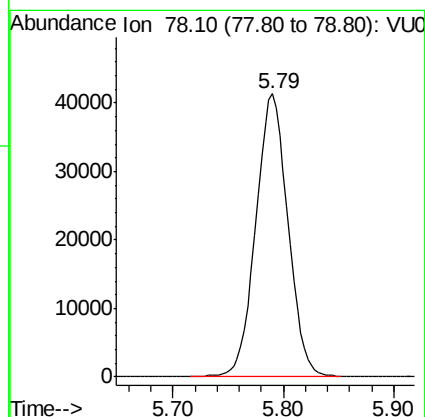
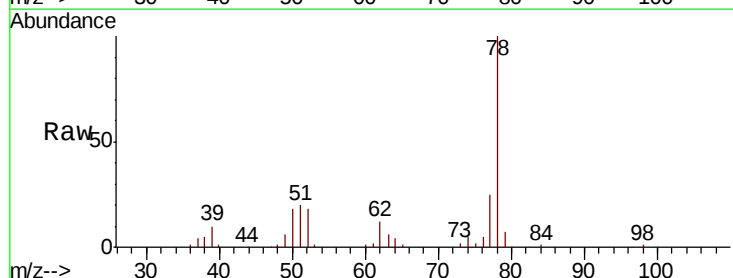
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

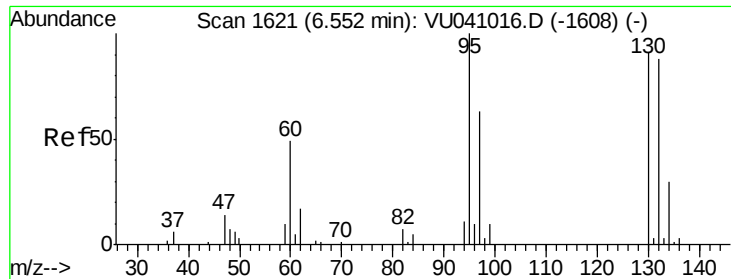
Tot Ion:117 Resp: 30966
Ion Ratio Lower Upper
117 100
119 92.9 76.1 114.1



#33
Benzene
Concen: 5.191 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion: 78 Resp: 83577

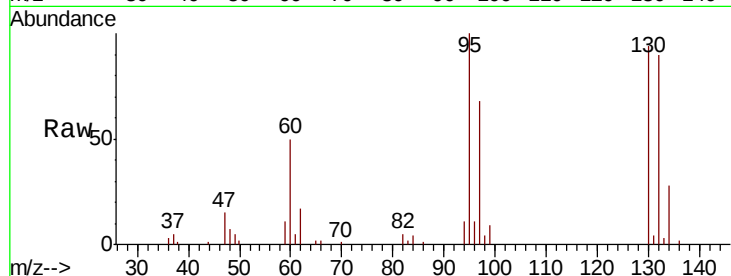




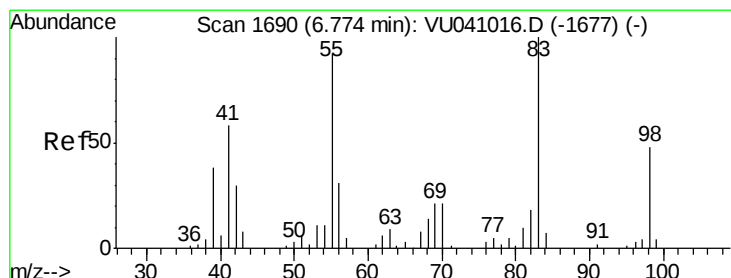
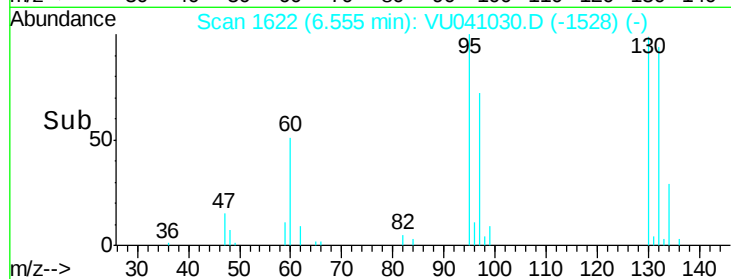
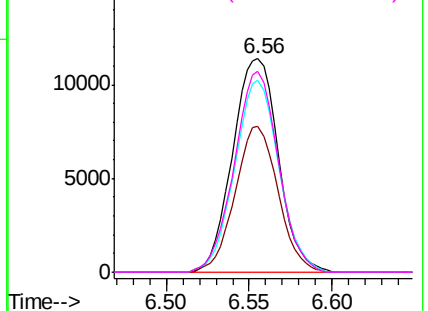
#34
 Trichloroethene
 Concen: 5.347 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion: 95 Resp: 21907
 Ion Ratio Lower Upper
 95 100
 97 68.2 45.6 84.6
 132 89.7 64.8 120.4
 130 94.1 64.8 120.4

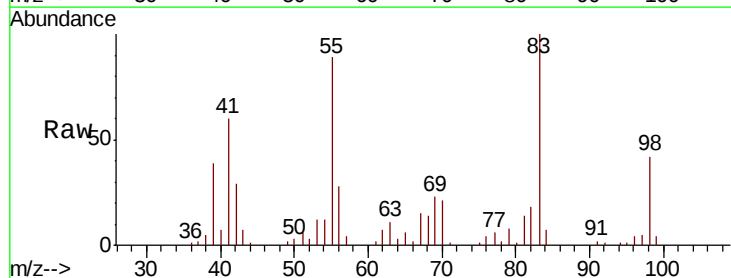


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

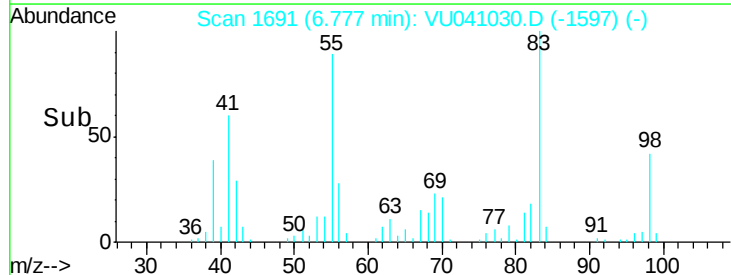
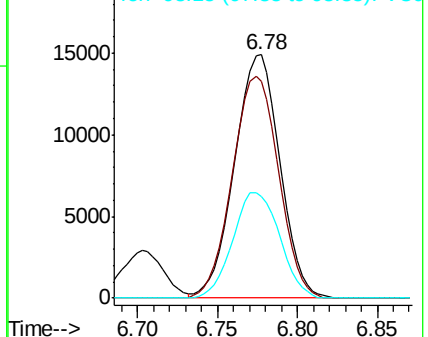


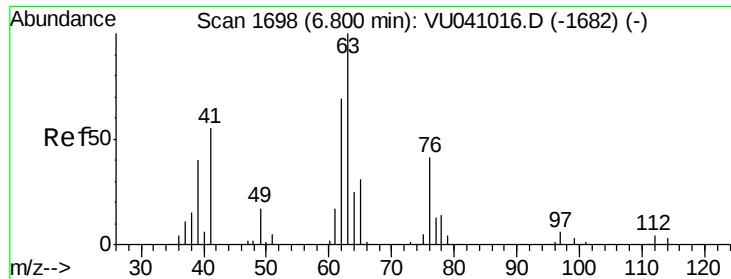
#35
 Methylcyclohexane
 Concen: 4.736 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Tgt Ion: 83 Resp: 28944
 Ion Ratio Lower Upper
 83 100
 55 92.7 72.0 108.0
 98 44.7 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: 5.424 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

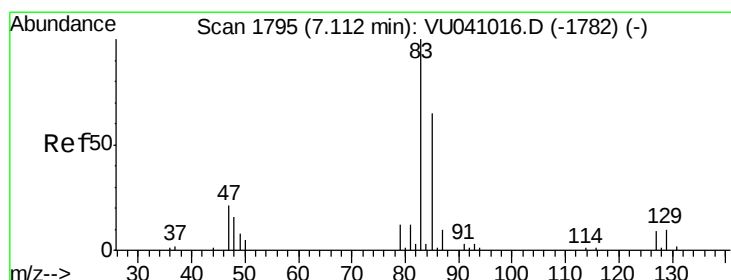
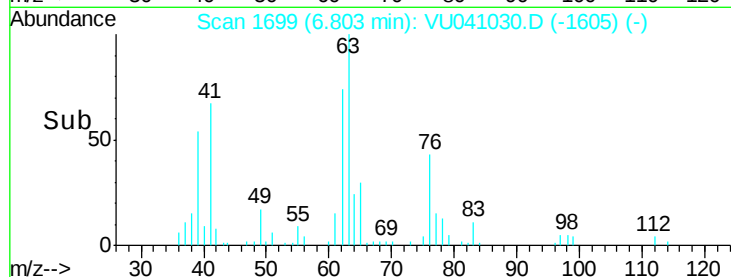
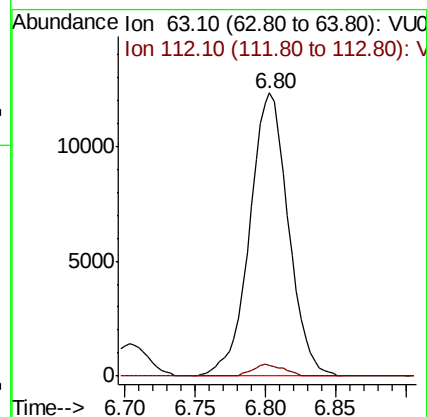
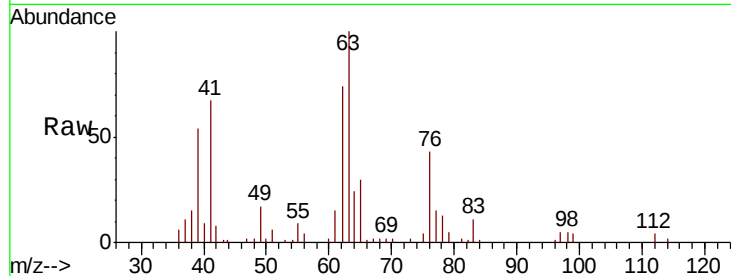
VSTD00508

Tot Ion: 63 Resp: 23629

Ion Ratio Lower Upper

63 100

112 3.4 3.6 5.4#



#38

Bromodichloromethane

Concen: 5.254 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

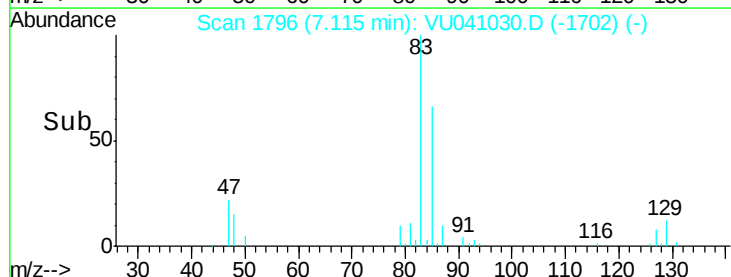
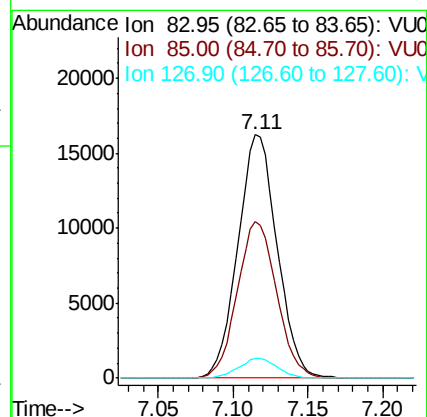
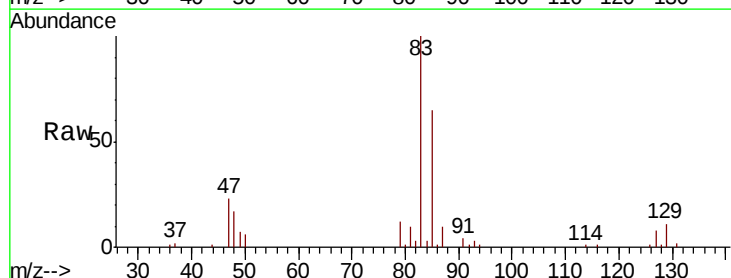
Tgt Ion: 83 Resp: 29690

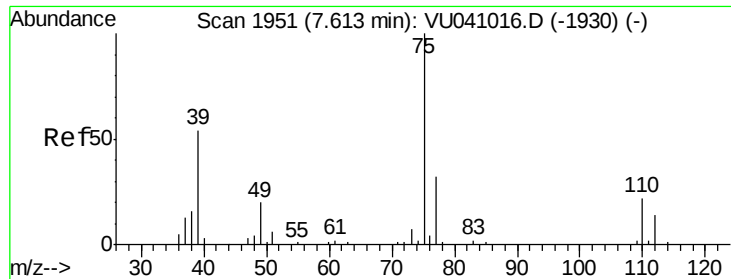
Ion Ratio Lower Upper

83 100

85 64.5 43.3 80.3

127 8.2 5.9 8.9

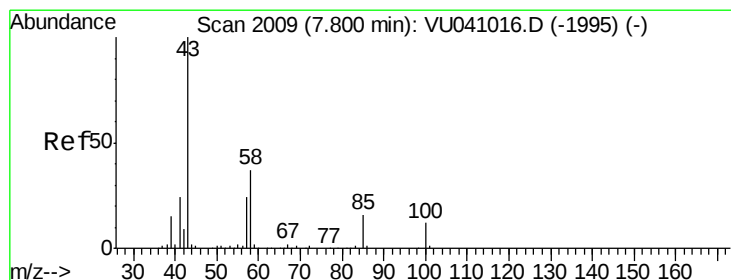
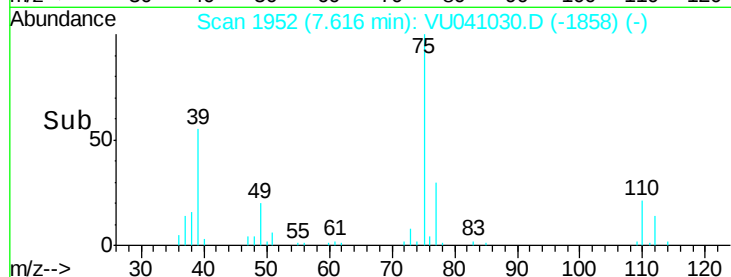
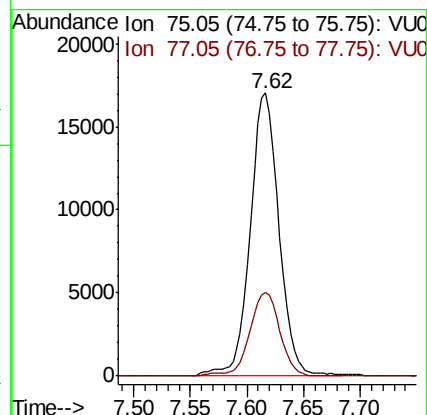
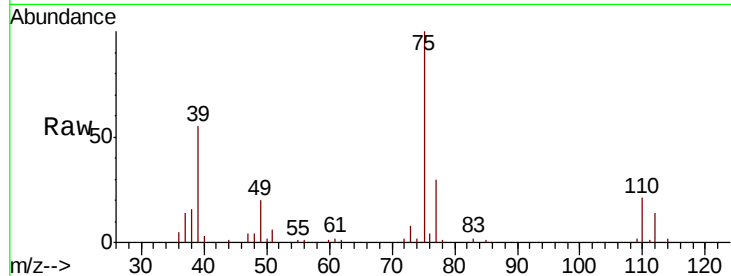




#39
 cis-1,3-Dichloropropene
 Concen: 5.042 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

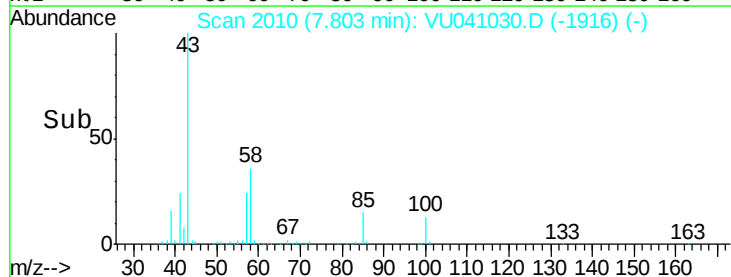
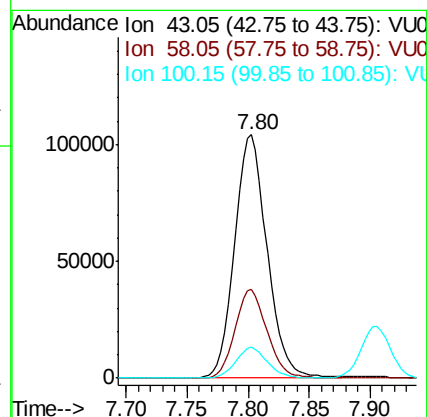
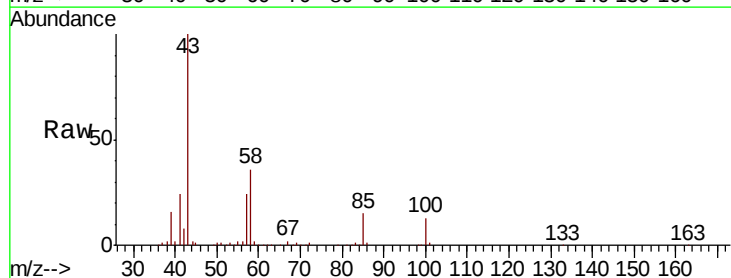
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

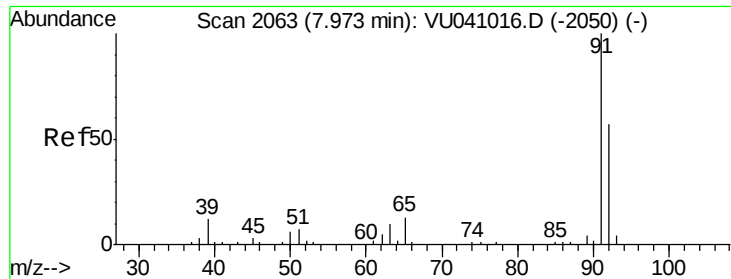
Tot Ion: 75 Resp: 30245
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 55.716 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Tgt Ion: 43 Resp: 193536
 Ion Ratio Lower Upper
 43 100
 58 35.9 29.8 44.6
 100 12.2 10.5 15.7





#42

Toluene

Concen: 5.431 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

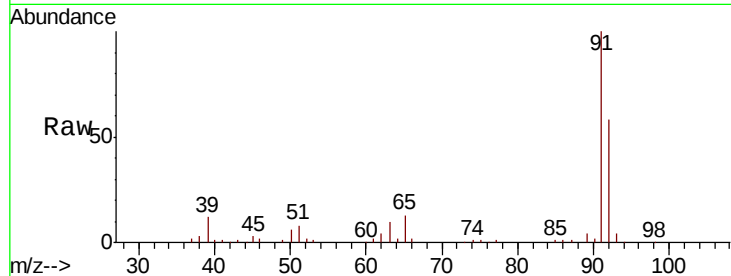
VSTD00508

Tot Ion: 91 Resp: 88663

Ion Ratio Lower Upper

91 100

92 57.8 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU041016.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041016.D (-2050) (-)

7.98

60000

50000

40000

30000

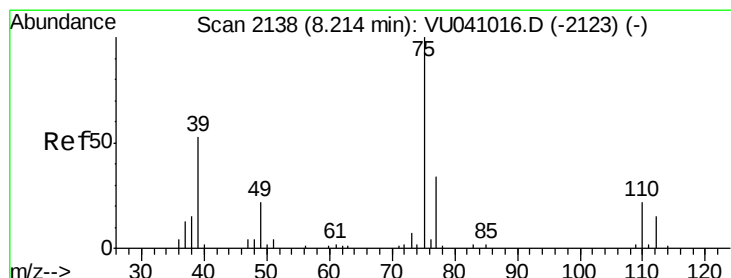
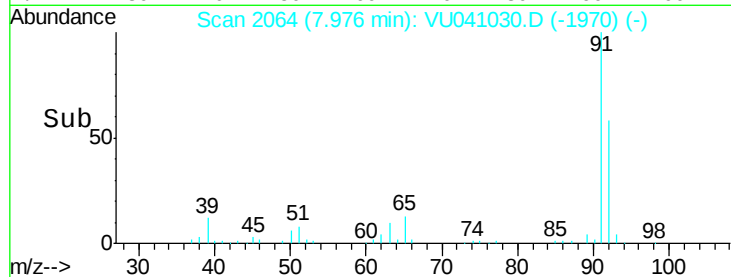
20000

10000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 5.178 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041030.D

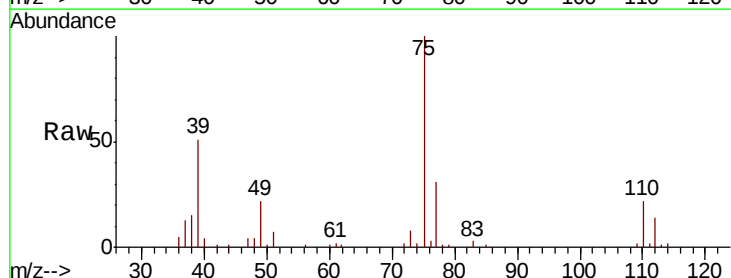
Acq: 29 Oct 2020 22:09

Tgt Ion: 75 Resp: 29066

Ion Ratio Lower Upper

75 100

77 31.4 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU041016.D (-2123) (-)

Ion 77.05 (76.75 to 77.75): VU041016.D (-2123) (-)

8.22

20000

15000

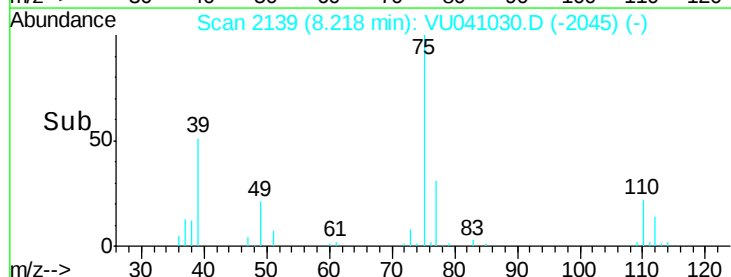
10000

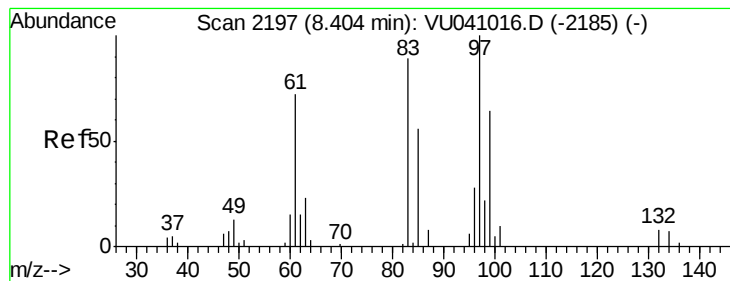
5000

0

Time-->

8.15 8.20 8.25 8.30





#45

1,1,2-Trichloroethane

Concen: 5.364 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

Tot Ion: 97 Resp: 17396

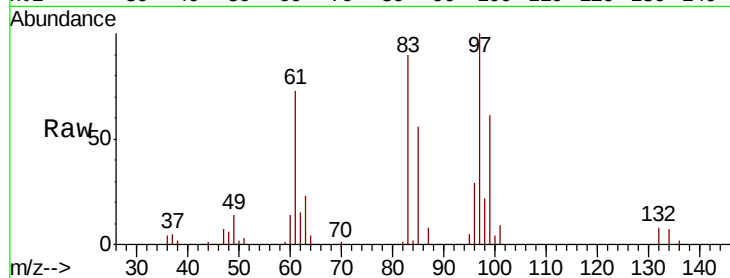
Ion Ratio Lower Upper

97 100

99 60.7 45.8 85.2

83 89.8 67.9 126.1

85 55.8 42.8 79.6

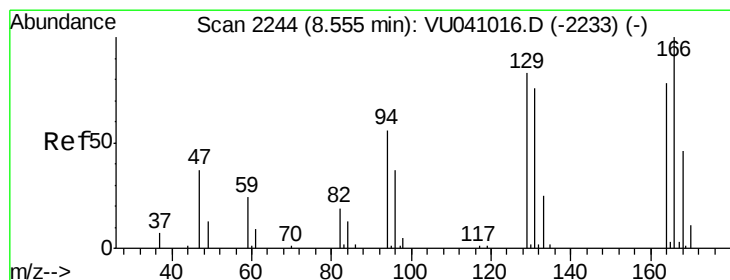
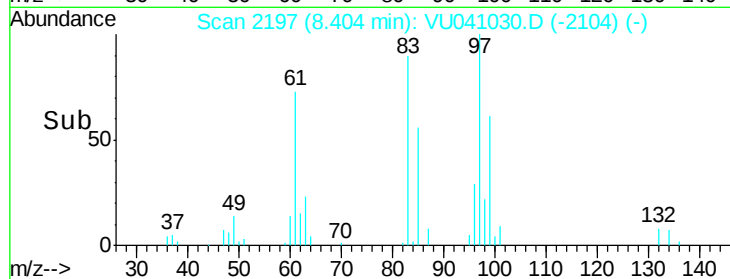
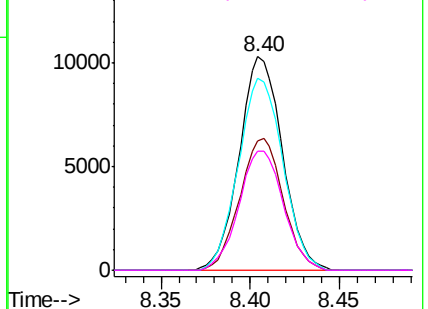


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.172 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Tgt Ion:164 Resp: 15583

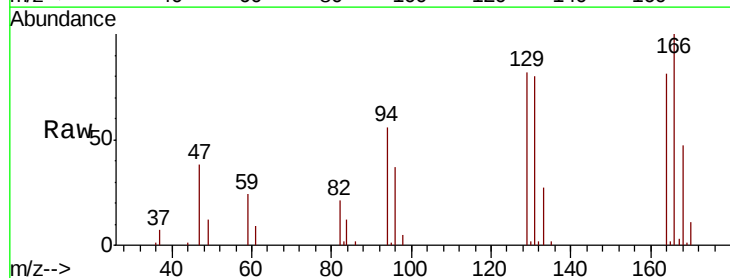
Ion Ratio Lower Upper

164 100

129 100.4 70.3 130.7

131 98.8 70.8 131.4

166 122.9 92.0 170.8

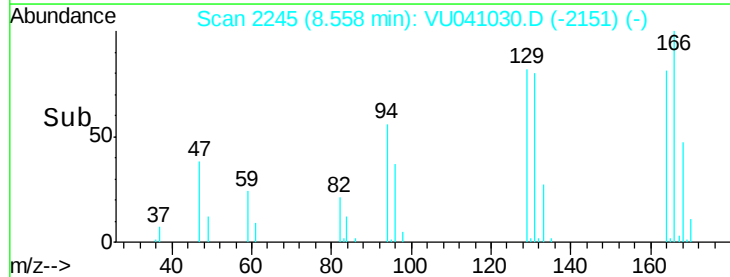
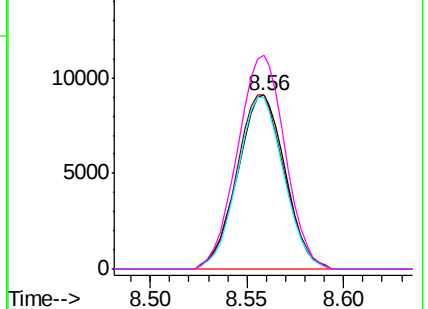


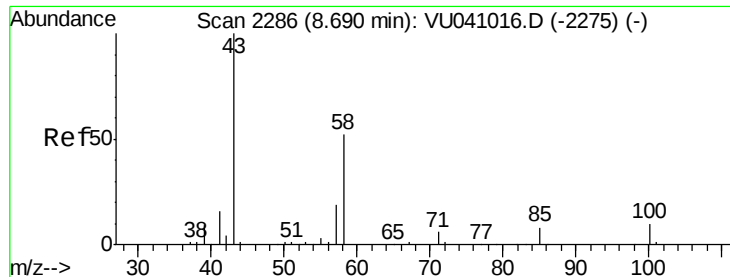
Abundance Ion 163.90 (163.60 to 164.60): V

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

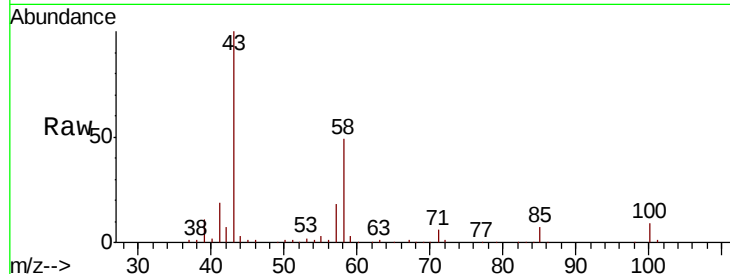




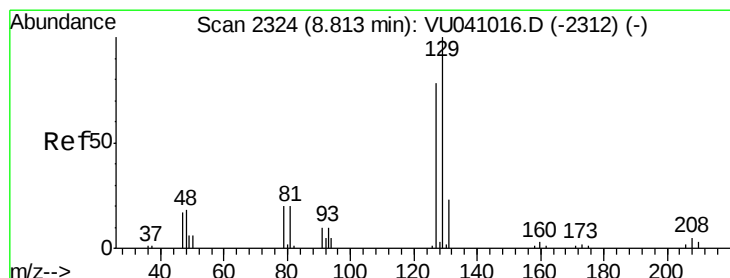
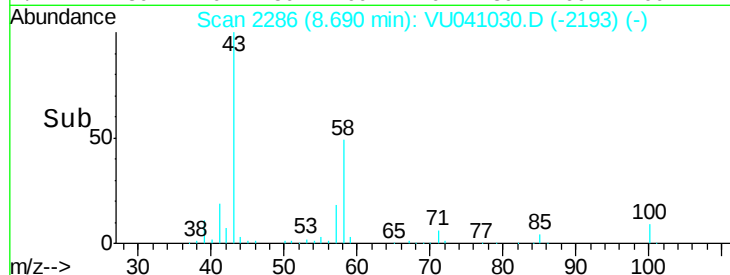
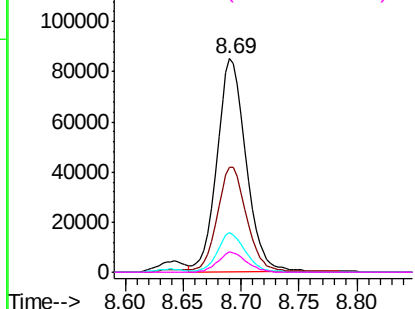
#48
2-Hexanone
Concen: 56.946 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 43 Resp: 148942
Ion Ratio Lower Upper
43 100
58 49.5 41.4 62.2
57 17.7 14.6 21.8
100 9.2 8.3 12.5

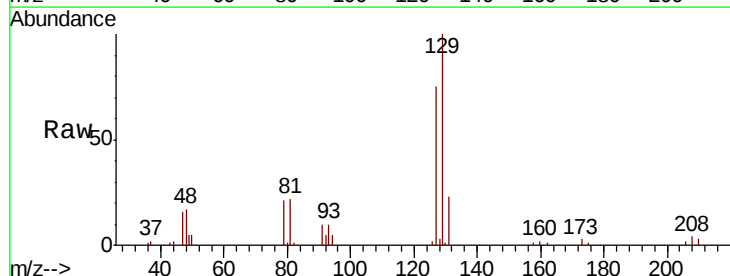


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

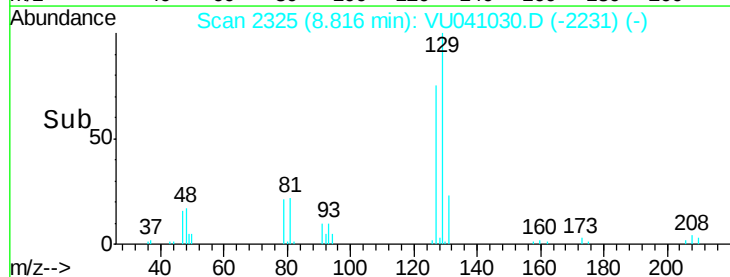
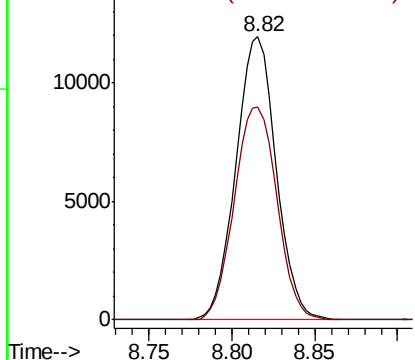


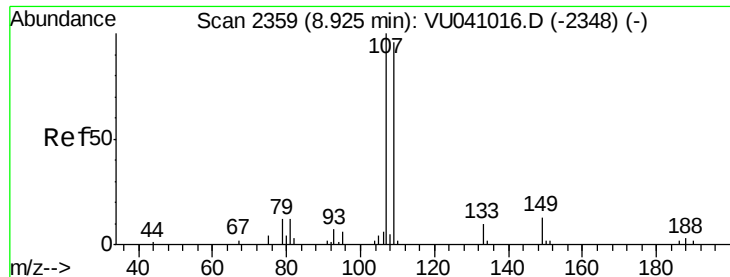
#49
Dibromochloromethane
Concen: 5.361 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion: 129 Resp: 20189
Ion Ratio Lower Upper
129 100
127 75.1 53.4 99.2



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

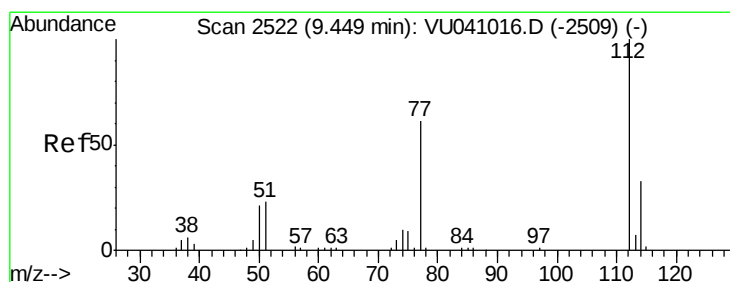
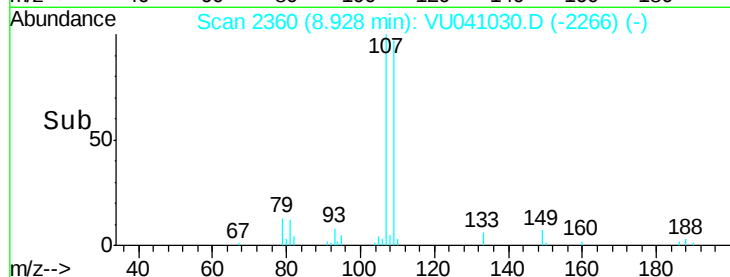
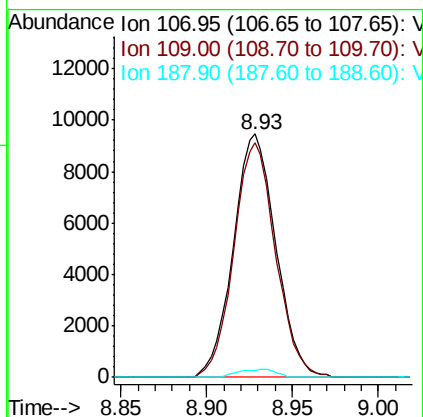
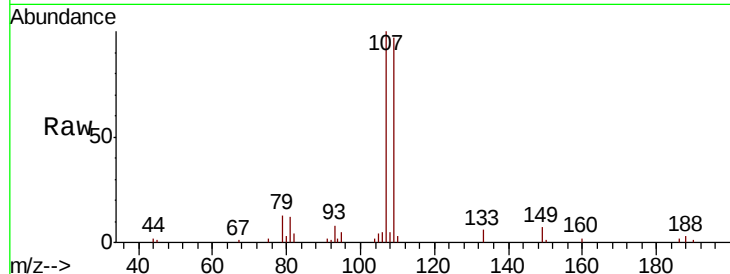




#50
1,2-Dibromoethane
Concen: 5.269 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

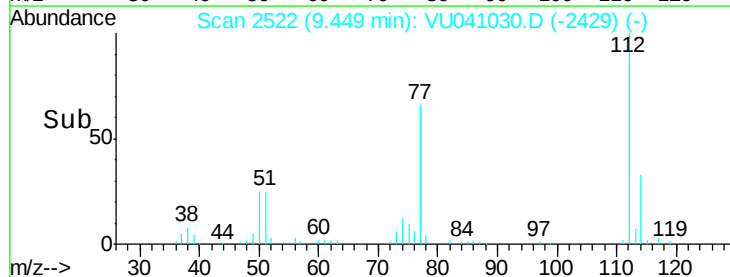
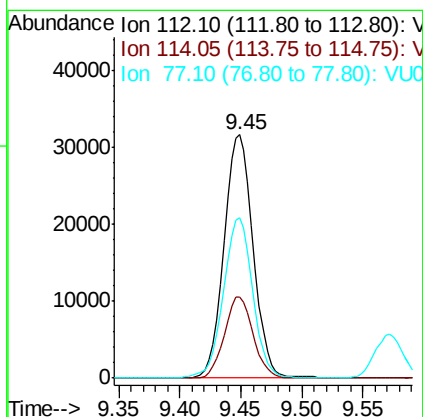
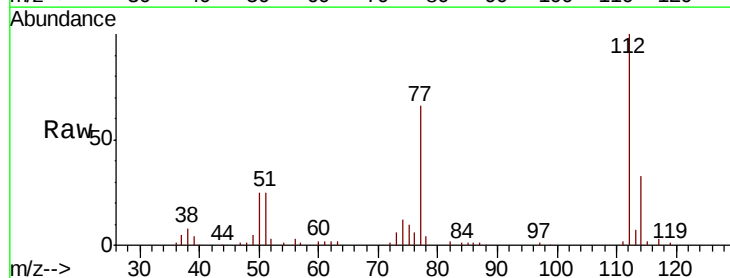
Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

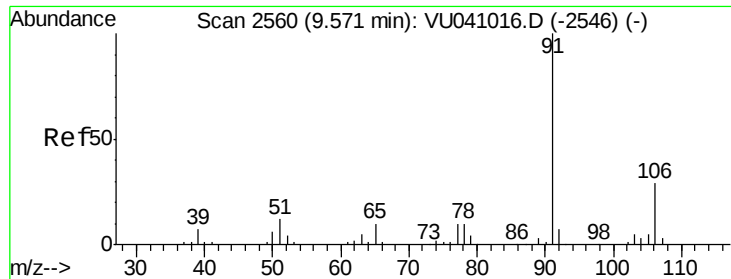
Tot Ion:107 Resp: 16282
Ion Ratio Lower Upper
107 100
109 96.5 65.6 121.8
188 3.0 2.9 4.3



#51
Chlorobenzene
Concen: 5.119 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion:112 Resp: 52995
Ion Ratio Lower Upper
112 100
114 33.5 22.4 41.6
77 66.1 51.2 76.8

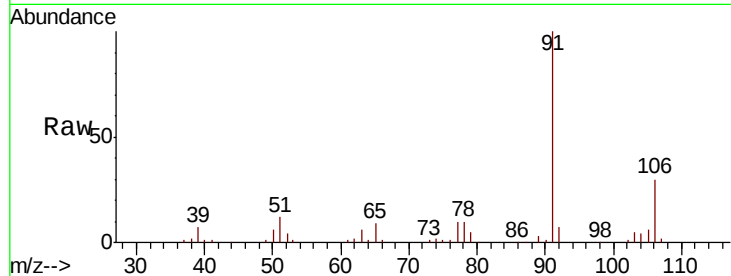




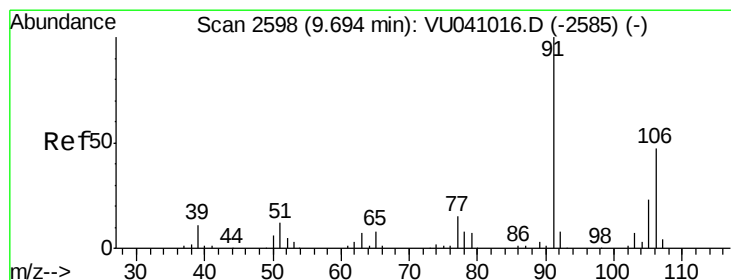
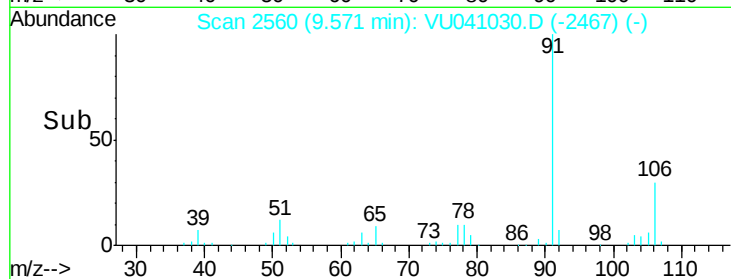
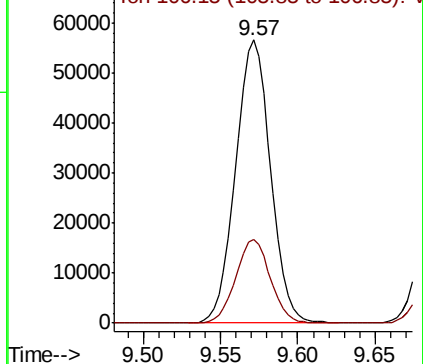
#52
Ethylbenzene
Concen: 5.170 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion: 91 Resp: 88840
Ion Ratio Lower Upper
91 100
106 29.5 21.0 39.0

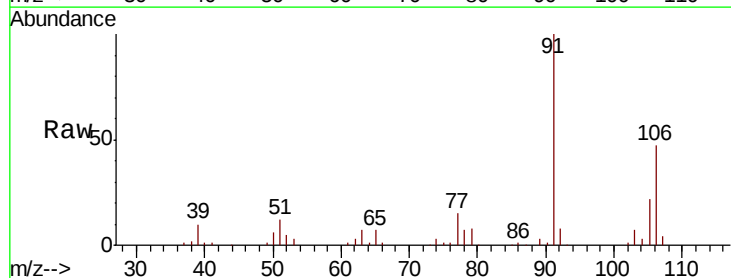


Abundance Ion 91.15 (90.85 to 91.85): VU041030.D (-2467) (-)
Ion 106.15 (105.85 to 106.85): VU041030.D (-2467) (-)

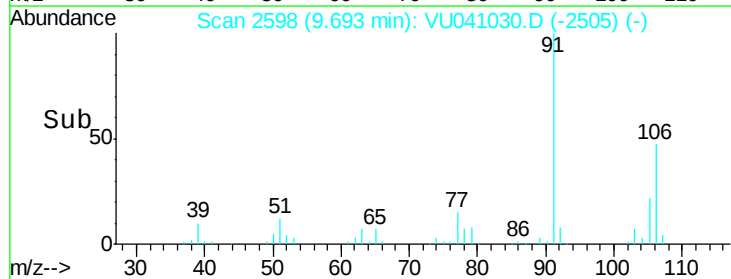
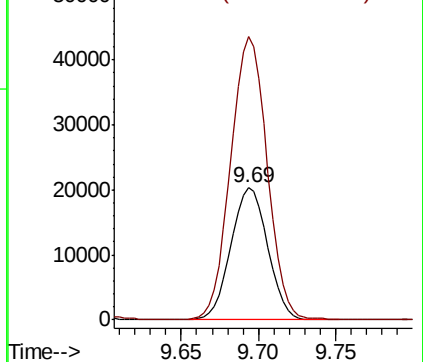


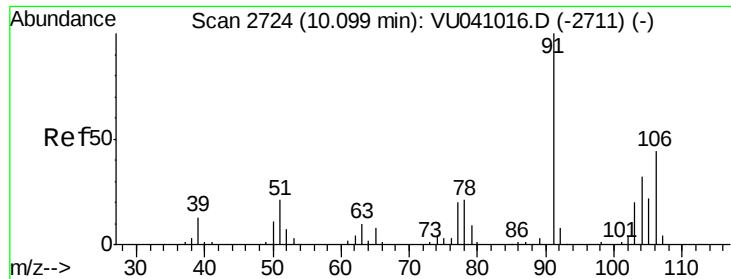
#53
m,p-Xylene
Concen: 5.361 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion: 106 Resp: 33597
Ion Ratio Lower Upper
106 100
91 214.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): VU041030.D (-2505) (-)
Ion 91.15 (90.85 to 91.85): VU041030.D (-2505) (-)

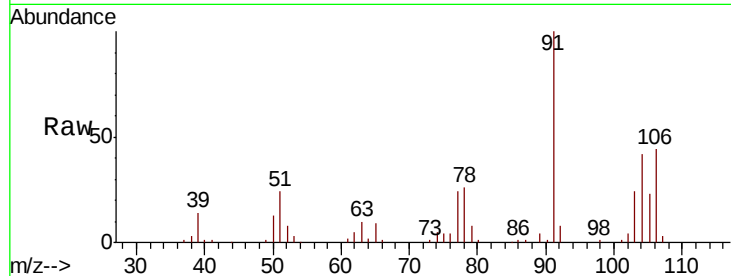




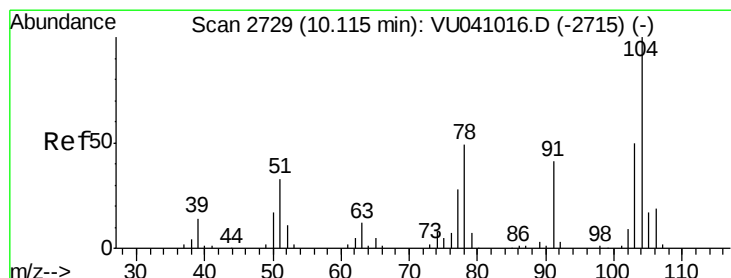
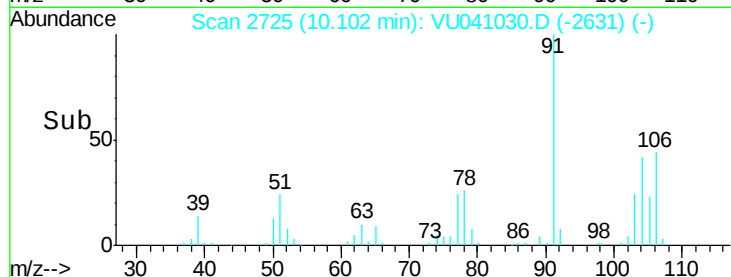
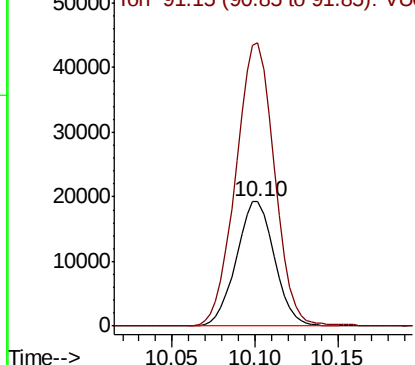
#54
o-Xylene
Concen: 5.293 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00508

Tot Ion:106 Resp: 30894
Ion Ratio Lower Upper
106 100
91 227.1 154.3 286.5

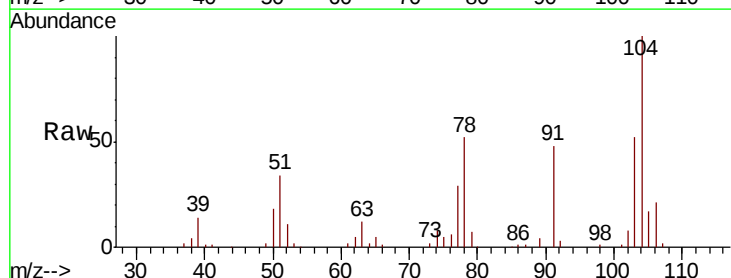


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

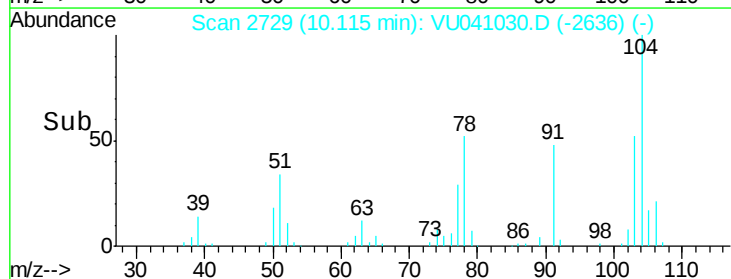
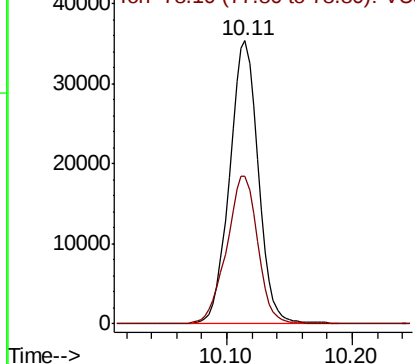


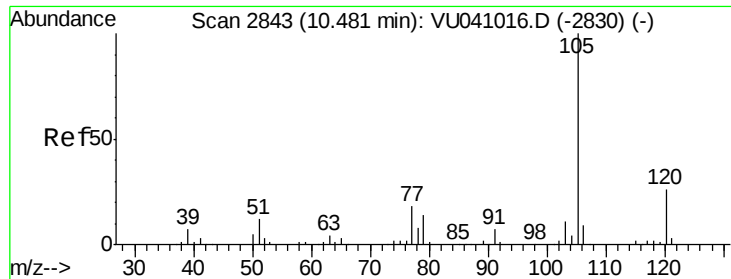
#55
Styrene
Concen: 5.410 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041030.D
Acq: 29 Oct 2020 22:09

Tgt Ion:104 Resp: 56264
Ion Ratio Lower Upper
104 100
78 52.1 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: 5.330 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleID :

VSTD00508

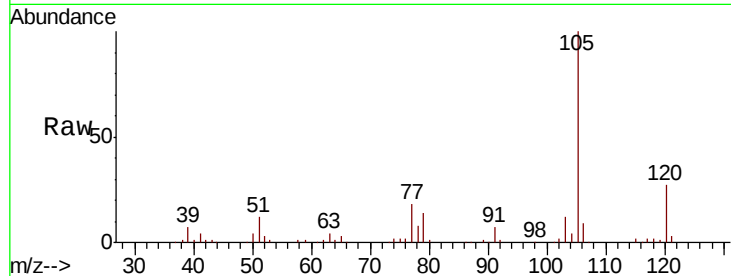
Tot Ion:105 Resp: 83652

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

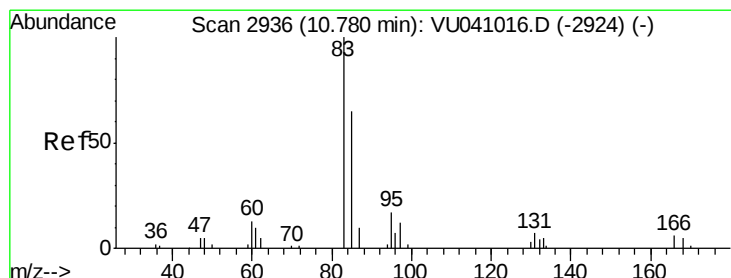
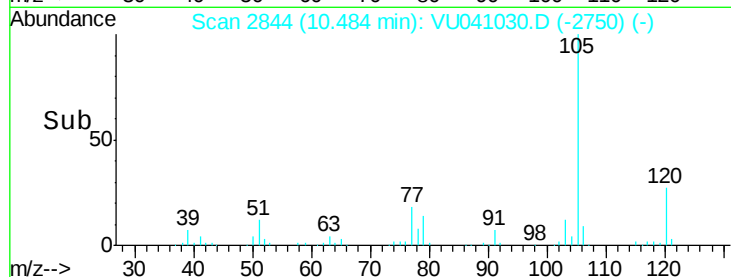
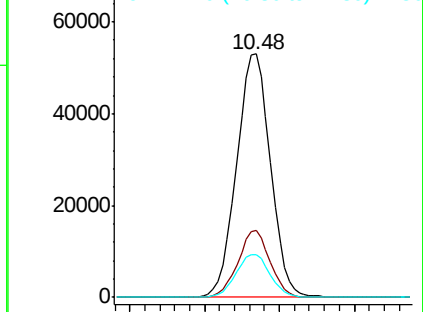
77 17.7 13.8 20.6



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: 5.200 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

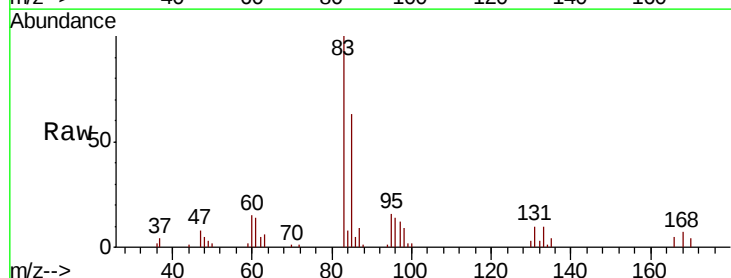
Tgt Ion: 83 Resp: 22146

Ion Ratio Lower Upper

83 100

85 63.1 44.4 82.4

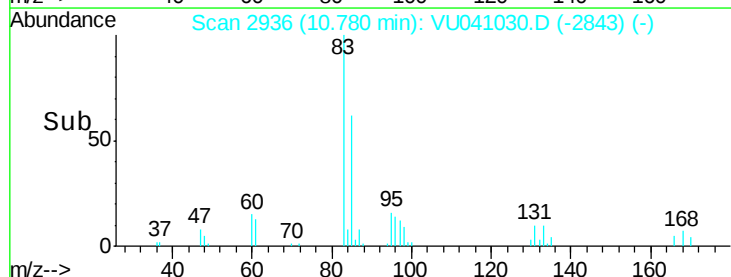
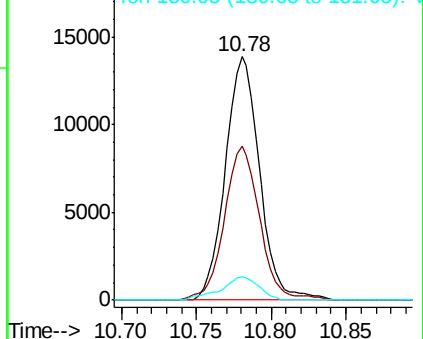
131 9.7 7.7 11.5

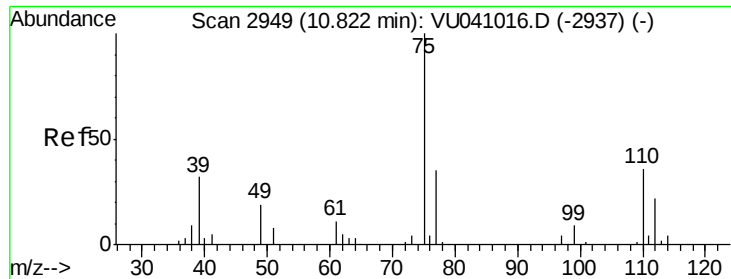


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.209 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

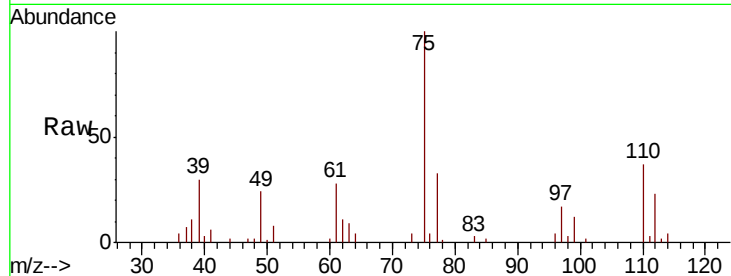
VSTD00508

Tot Ion: 75 Resp: 16914

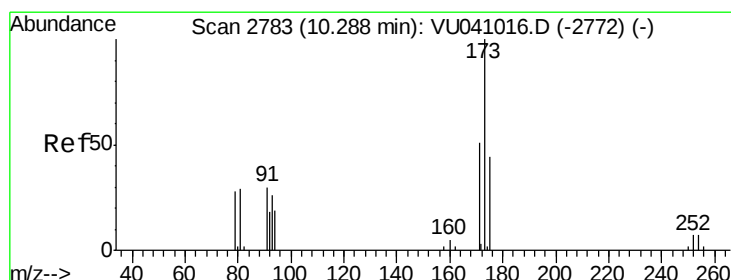
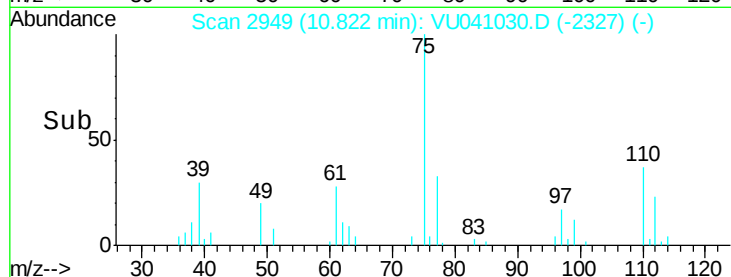
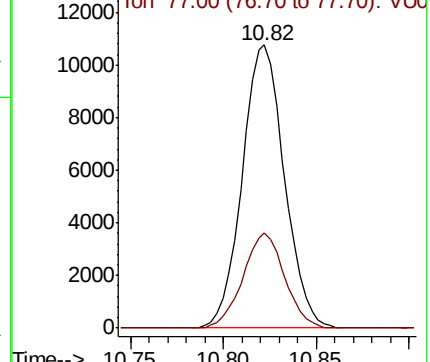
Ion Ratio Lower Upper

75 100

77 33.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041016.D (-2937) (-)



#61

Bromoform

Concen: 5.329 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

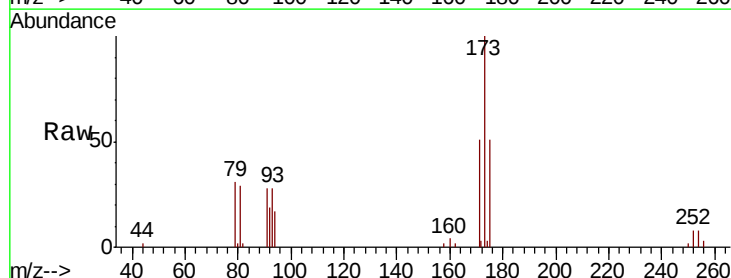
Tgt Ion: 173 Resp: 11220

Ion Ratio Lower Upper

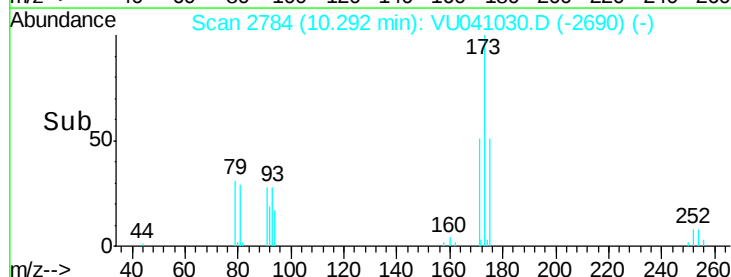
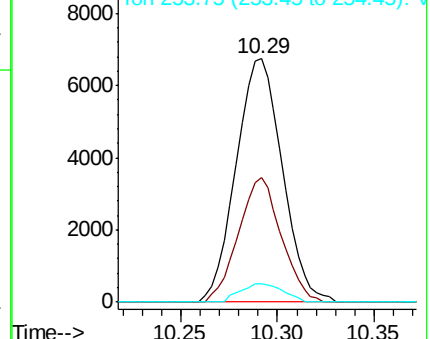
173 100

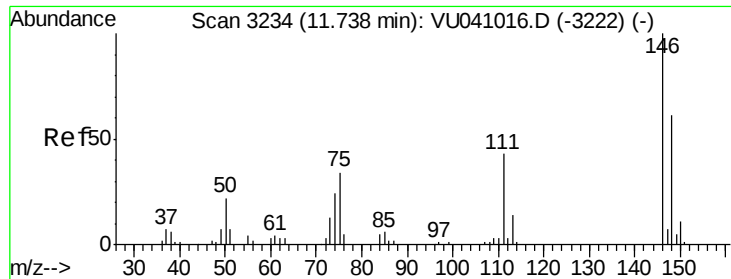
175 47.0 37.6 56.4

254 7.0 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): VU041016.D (-2772) (-)

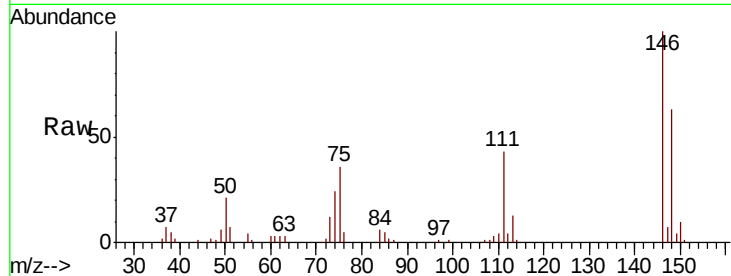




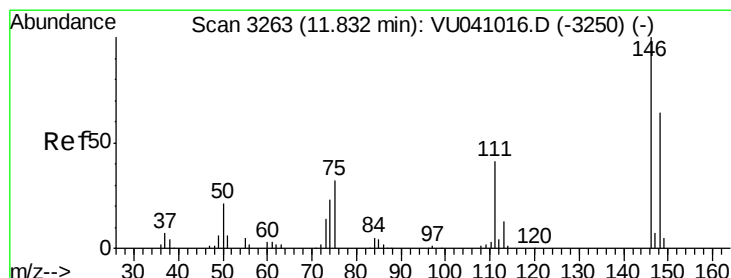
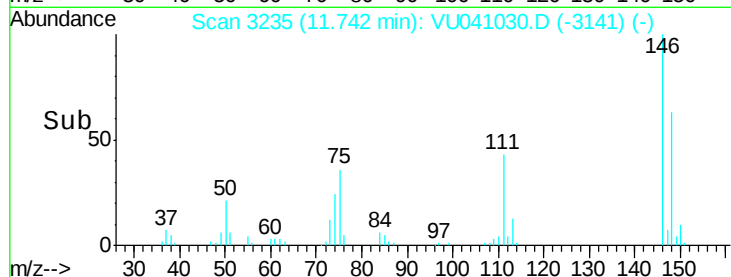
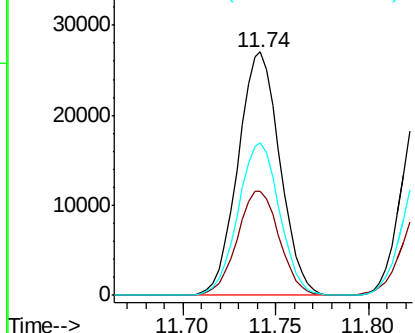
#62
 1,3-Dichlorobenzene
 Concen: 5.378 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion:146 Resp: 42419
 Ion Ratio Lower Upper
 146 100
 111 43.0 30.9 57.3
 148 62.8 45.8 85.2

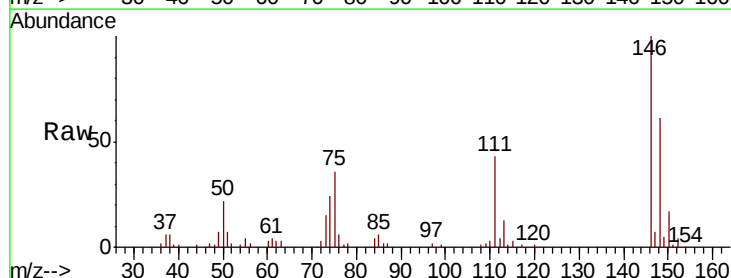


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

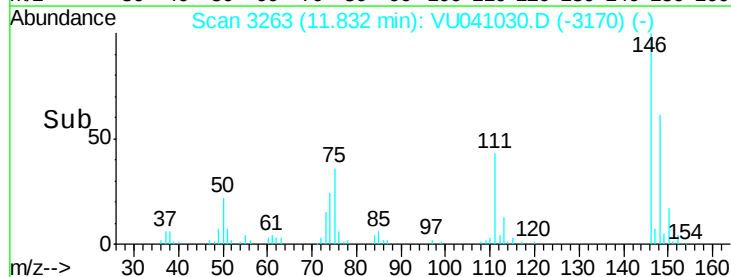
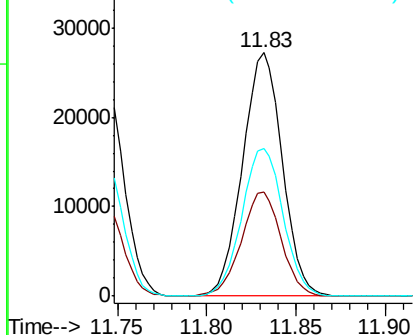


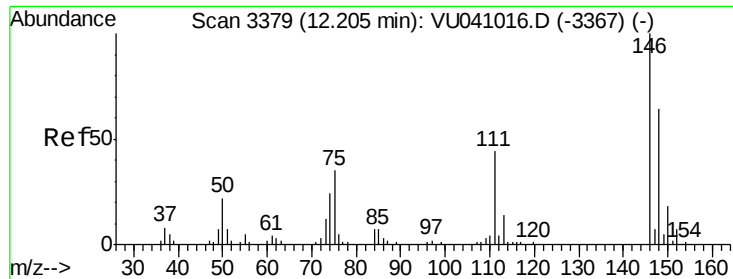
#63
 1,4-Dichlorobenzene
 Concen: 5.181 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Tgt Ion:146 Resp: 42322
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.3 52.7
 148 60.8 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: 5.047 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

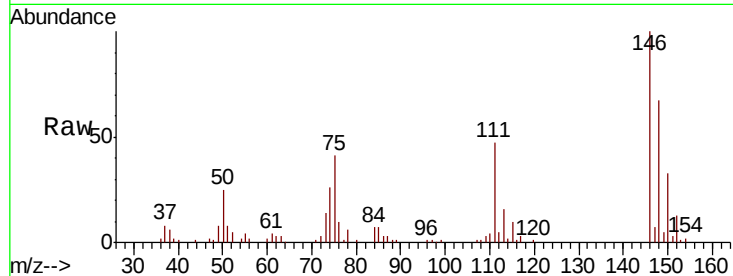
Tot Ion:146 Resp: 39279

Ion Ratio Lower Upper

146 100

111 46.9 35.0 52.6

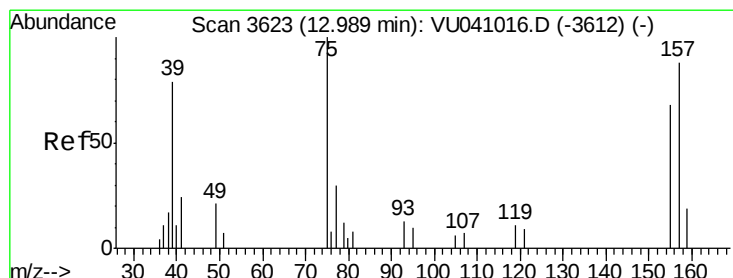
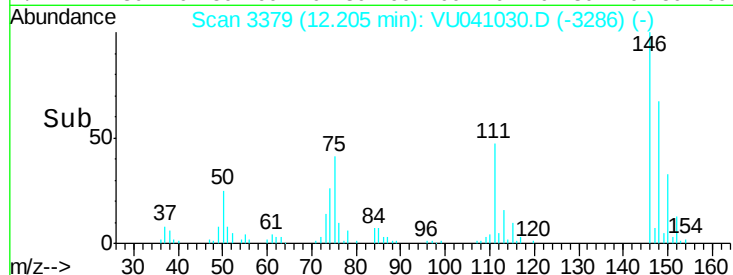
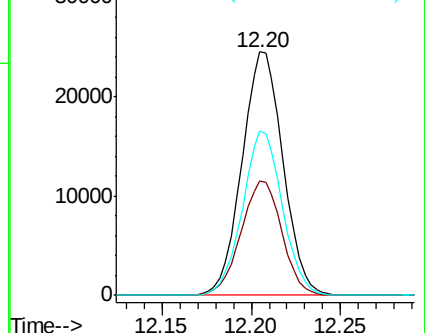
148 67.4 52.0 78.0



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: 5.562 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

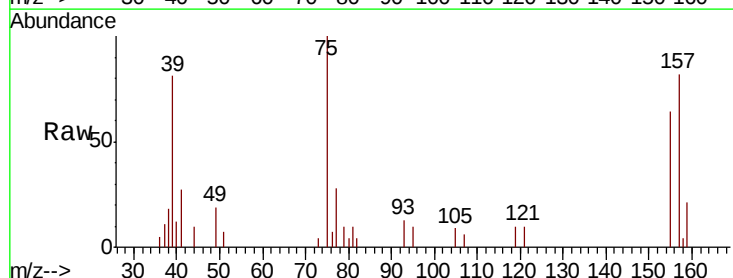
Tgt Ion: 75 Resp: 4243

Ion Ratio Lower Upper

75 100

155 63.7 61.4 92.2

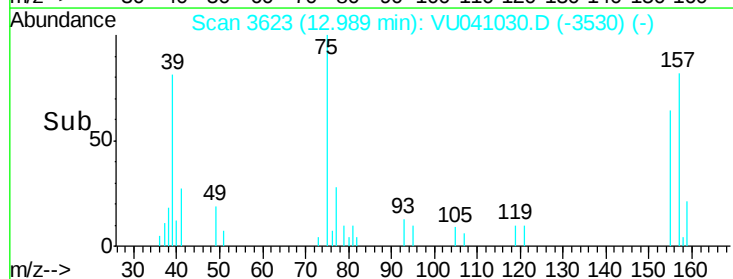
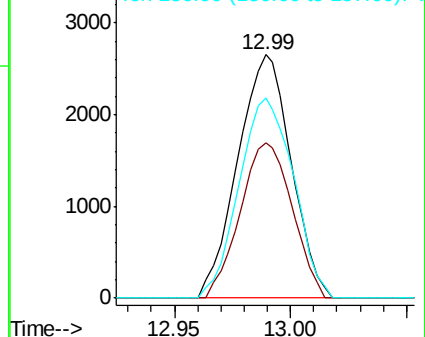
157 82.0 74.2 111.4

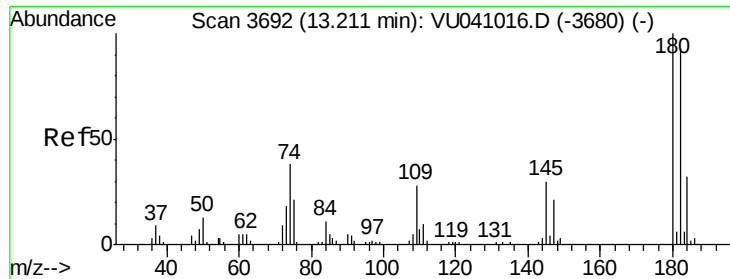


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

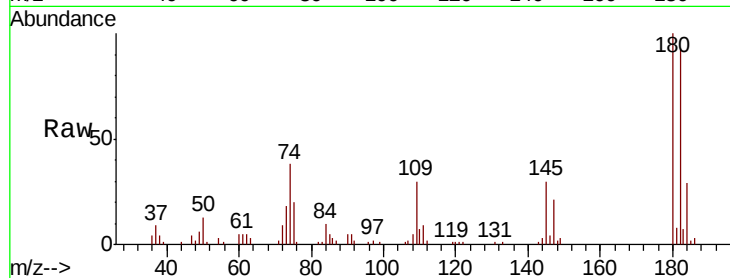




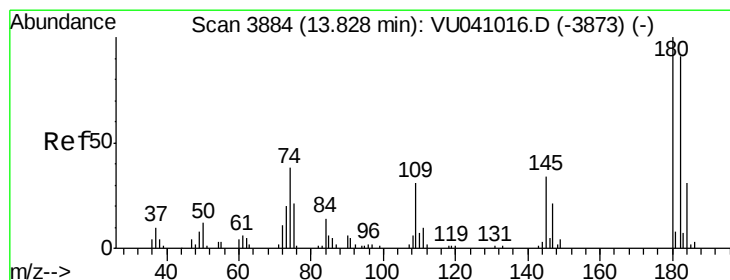
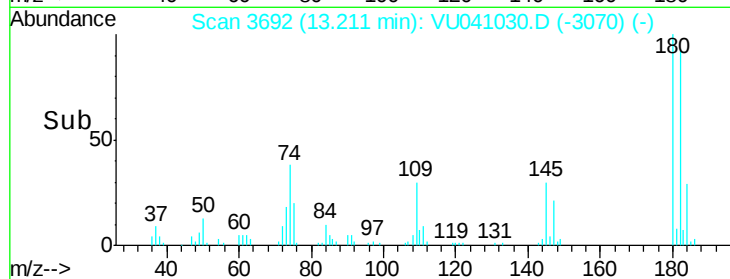
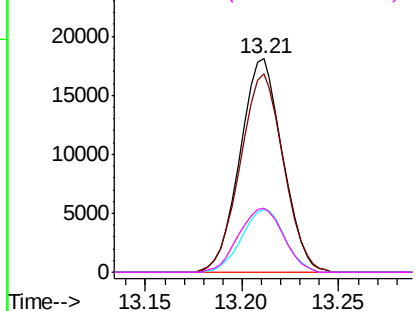
#67
 1,3,5-Trichlorobenzene
 Concen: 5.023 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00508

Tot Ion:180 Resp: 27709
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.7 113.5
 184 29.6 23.7 35.5
 145 31.4 26.1 39.1

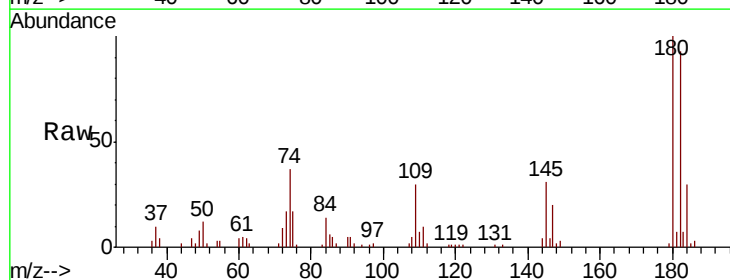


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

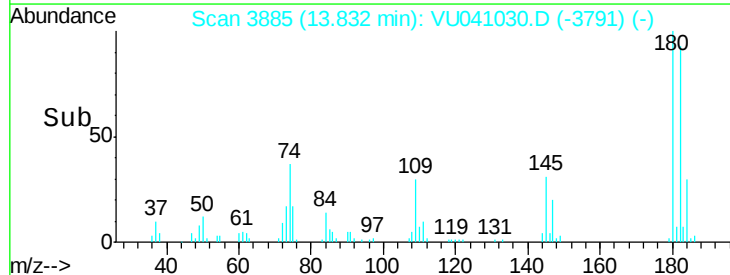
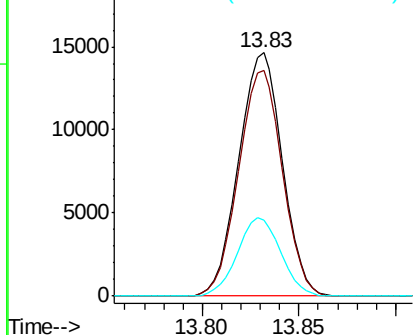


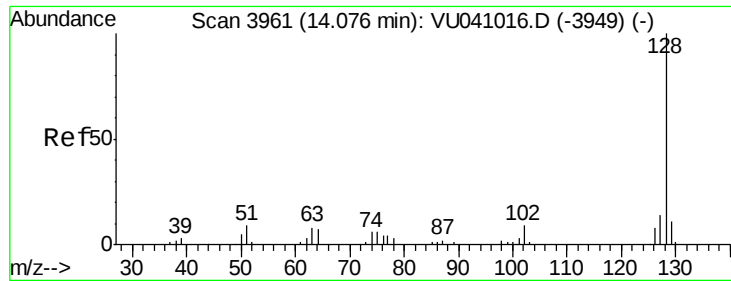
#68
 1,2,4-trichlorobenzene
 Concen: 5.026 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041030.D
 Acq: 29 Oct 2020 22:09

Tgt Ion:180 Resp: 22964
 Ion Ratio Lower Upper
 180 100
 182 93.0 73.5 110.3
 145 31.8 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: 4.925 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00508

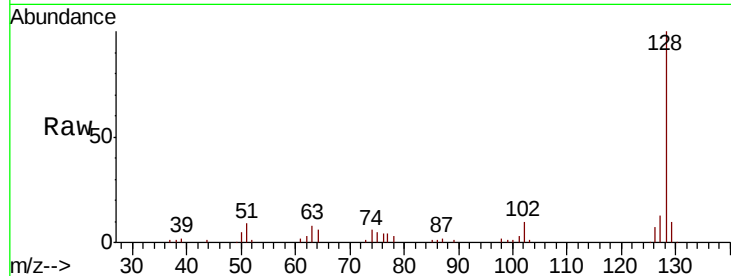
Tot Ion:128 Resp: 40242

Ion Ratio Lower Upper

128 100

129 10.3 8.7 13.1

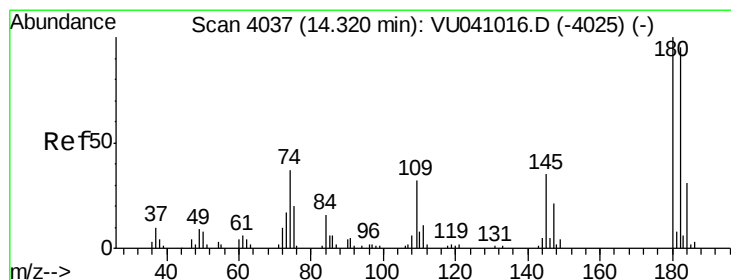
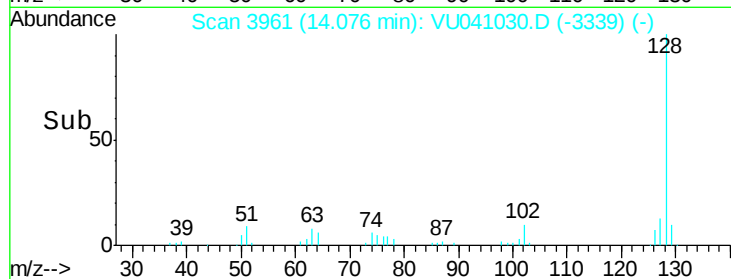
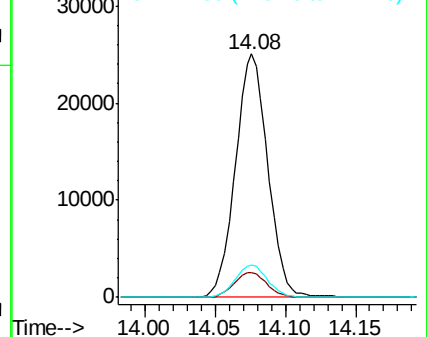
127 13.1 10.8 16.2



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: 5.216 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041030.D

Acq: 29 Oct 2020 22:09

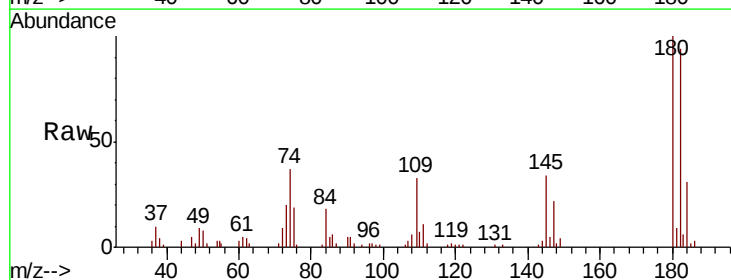
Tgt Ion:180 Resp: 21969

Ion Ratio Lower Upper

180 100

182 97.7 77.7 116.5

145 33.9 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

