

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110420\
 Data File : VU041092.D
 Acq On : 04 Nov 2020 09:57
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 05 00:44:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 17:09:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	50300	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	49979	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25593	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	16730	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.92	69	13754	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.58	63	33574	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	4.65	46	82790	59.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.98%
24) Chloroform-d	5.08	84	35018	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.72	65	22855	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.74	84	62335	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.70	67	21426	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.91	98	54362	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.19	79	9670	5.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.60%
46) 2-Hexanone-d5	8.64	63	59368	58.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	21890	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	20048	4.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	22354	4.868	ug/L 100
3) Chloromethane	1.53	50	22827	4.767	ug/L 99
5) Vinyl chloride	1.61	62	23357	4.944	ug/L 99
6) Bromomethane	1.87	94	12999	4.801	ug/L 99
8) Chloroethane	1.94	64	14349	4.794	ug/L 95
9) Trichlorofluoromethane	2.15	101	31780	4.949	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	18958	5.038	ug/L 96
12) 1,1-Dichloroethene	2.59	96	17256	4.857	ug/L 92
13) Acetone	2.66	43	55762	58.611	ug/L # 61
14) Carbon disulfide	2.81	76	52991	4.463	ug/L 100
15) Methyl Acetate	2.97	43	12816	5.887	ug/L 95
16) Methylene chloride	3.06	84	20278	4.898	ug/L 96
17) Methyl tert-butyl Ether	3.38	73	48730	5.329	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	17512	4.850	ug/L 97
19) 1,1-Dichloroethane	3.89	63	37156	5.147	ug/L 97
21) 2-Butanone	4.73	43	86503	58.174	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	19046	5.114	ug/L 99

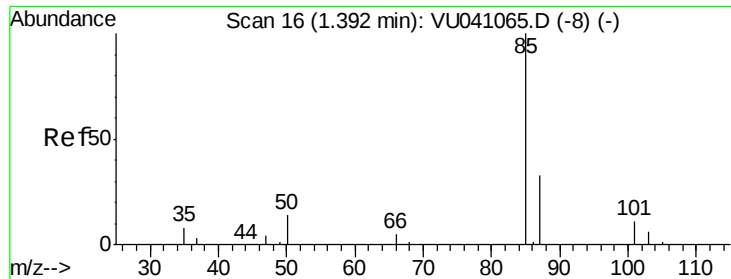
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	9508	5.411	uq/L	97
25) Chloroform	5.11	83	38428	5.308	uq/L	98
27) 1,2-Dichloroethane	5.81	62	29532	5.477	uq/L #	93
29) 1,1,1-Trichloroethane	5.33	97	32107	5.253	uq/L	96
30) Cyclohexane	5.40	56	29894	4.964	uq/L	97
31) Carbon tetrachloride	5.54	117	27448	5.071	uq/L	98
33) Benzene	5.79	78	77550	5.193	uq/L	100
34) Trichloroethene	6.56	95	20316	5.346	uq/L	97
35) Methylcyclohexane	6.77	83	28325	4.997	uq/L	98
37) 1,2-Dichloropropane	6.80	63	22190	5.491	uq/L	98
38) Bromodichloromethane	7.11	83	27945	5.331	uq/L #	97
39) cis-1,3-Dichloropropene	7.61	75	29016	5.215	uq/L	97
40) 4-Methyl-2-pentanone	7.80	43	198934	61.745	uq/L	97
42) Toluene	7.98	91	81758	5.399	uq/L	99
44) trans-1,3-Dichloropropene	8.21	75	29115	5.592	uq/L	96
45) 1,1,2-Trichloroethane	8.40	97	16519	5.492	uq/L	98
47) Tetrachloroethene	8.56	164	14600	5.224	uq/L	98
48) 2-Hexanone	8.69	43	152795	62.983	uq/L	98
49) Dibromochloromethane	8.81	129	19380	5.548	uq/L	100
50) 1,2-Dibromoethane	8.93	107	15741	5.492	uq/L	98
51) Chlorobenzene	9.45	112	50167	5.224	uq/L	98
52) Ethylbenzene	9.57	91	82374	5.168	uq/L	99
53) m,p-Xylene	9.69	106	31539	5.425	uq/L	96
54) o-Xylene	10.10	106	29861	5.515	uq/L	99
55) Styrene	10.11	104	52527	5.445	uq/L	100
56) Isopropylbenzene	10.48	105	80505	5.530	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	23044	5.833	uq/L	99
59) 1,2,3-Trichloropropane	10.82	75	17918	5.950	uq/L	100
61) Bromoform	10.29	173	10700	5.425	uq/L	97
62) 1,3-Dichlorobenzene	11.74	146	40221	5.444	uq/L	98
63) 1,4-Dichlorobenzene	11.83	146	41578	5.434	uq/L	97
65) 1,2-Dichlorobenzene	12.20	146	38986	5.348	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	4147	5.804	uq/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	27864	5.393	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	22450	5.245	uq/L	100
69) Naphthalene	14.08	128	39423	5.151	uq/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	21273	5.393	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.868 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

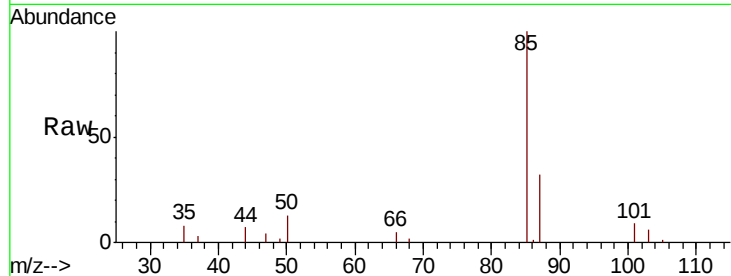
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 22354

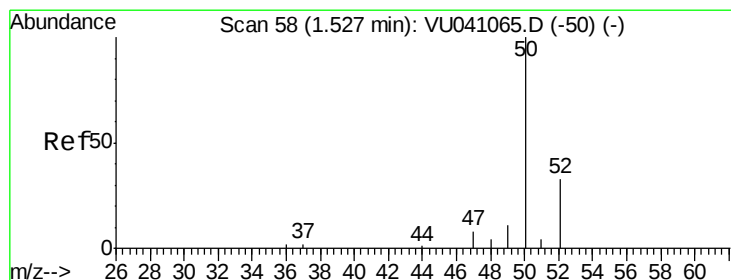
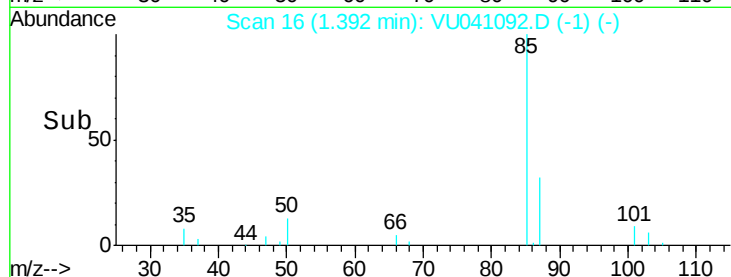
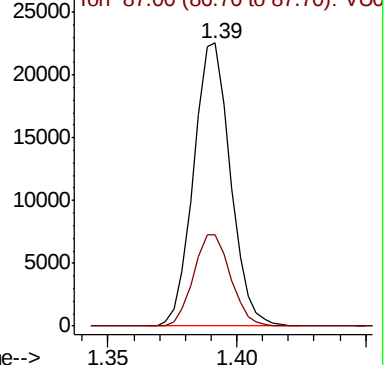
Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU041092.D (-1) (-)



#3

Chloromethane

Concen: 4.767 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041092.D

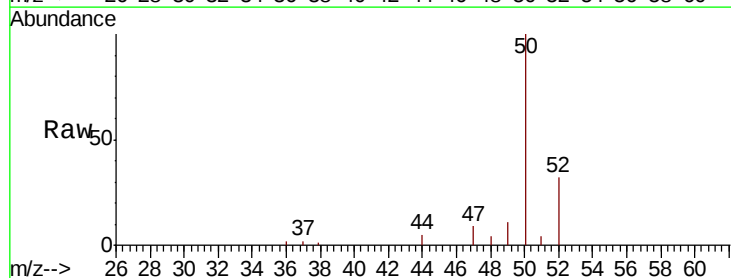
Acq: 04 Nov 2020 09:57

Tgt Ion: 50 Resp: 22827

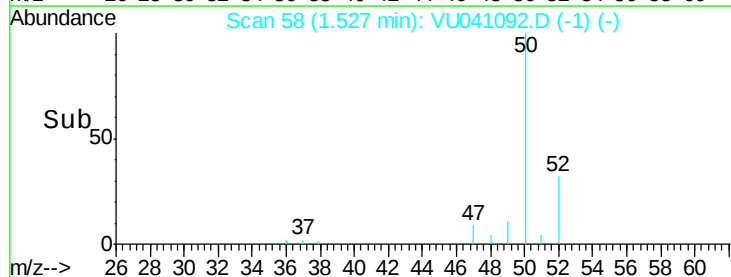
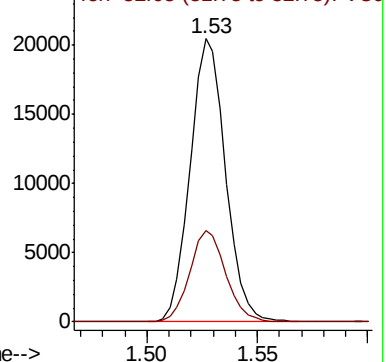
Ion Ratio Lower Upper

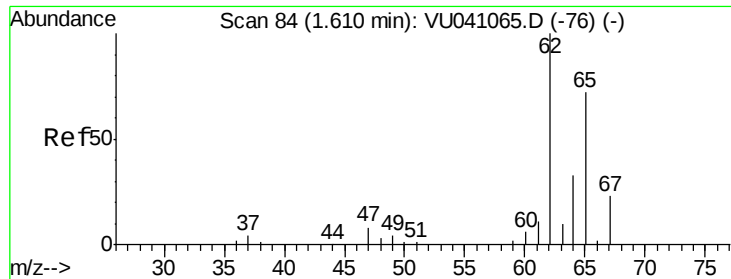
50 100

52 32.4 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041092.D (-1) (-)





#5

Vinyl chloride

Concen: 4.944 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

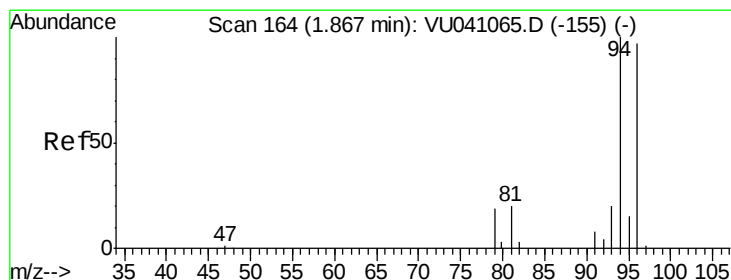
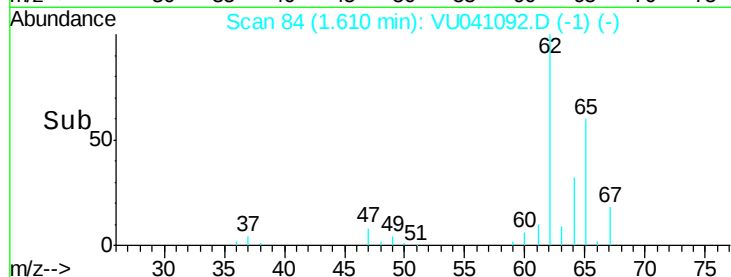
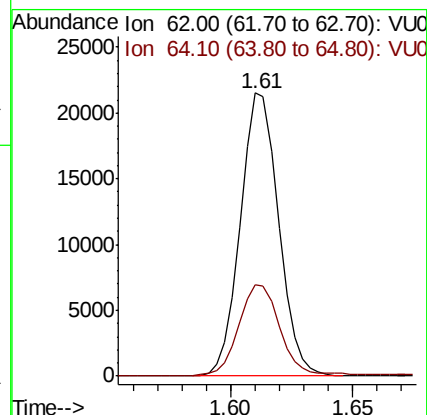
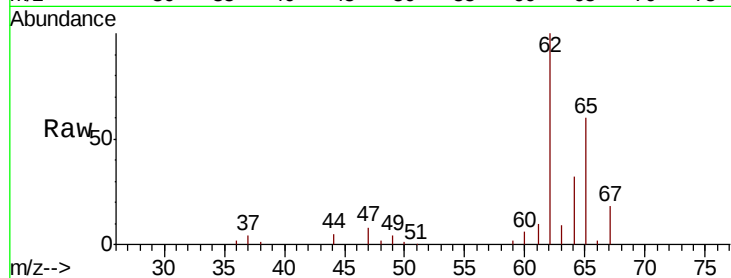
ClientSampleId :

Tot Ion: 62 Resp: 23357

Ion Ratio Lower Upper

62 100

64 32.1 22.7 42.3



#6

Bromomethane

Concen: 4.801 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041092.D

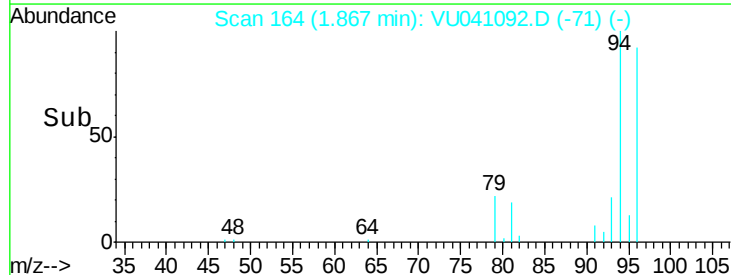
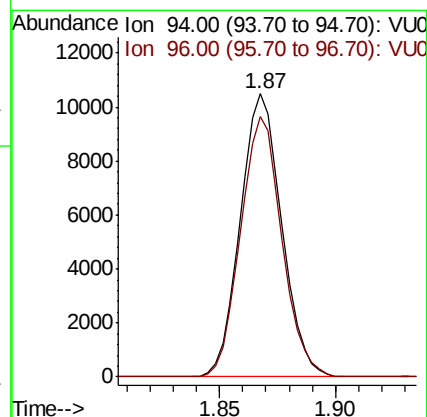
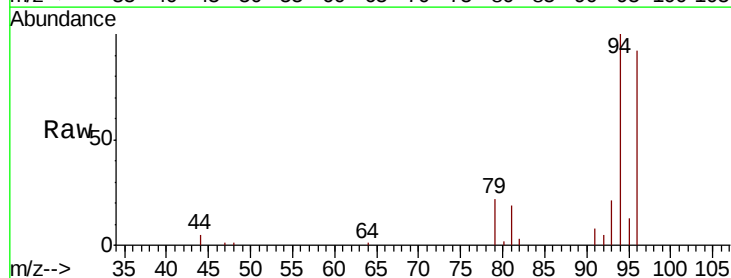
Acq: 04 Nov 2020 09:57

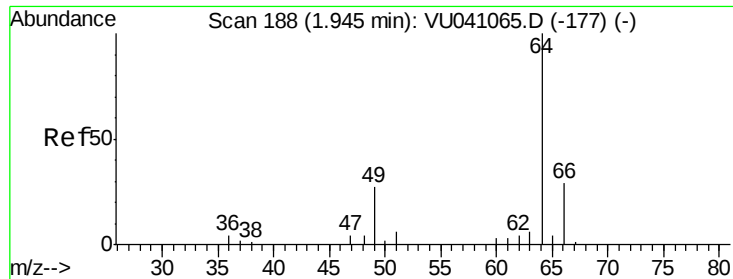
Tgt Ion: 94 Resp: 12999

Ion Ratio Lower Upper

94 100

96 91.8 63.5 117.9





#8

Chloroethane

Concen: 4.794 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

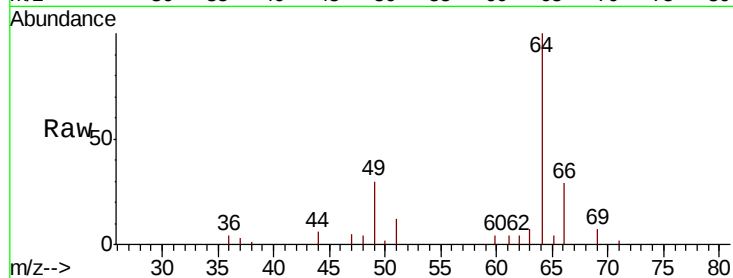
ClientSampled :

Tot Ion: 64 Resp: 14349

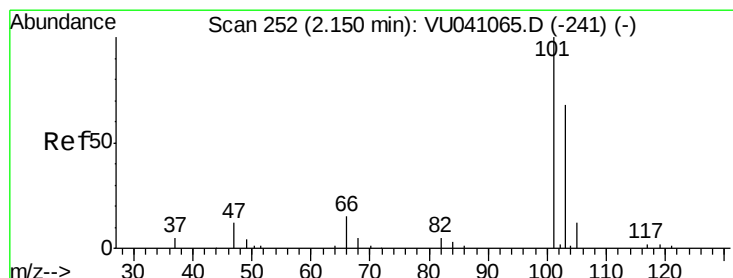
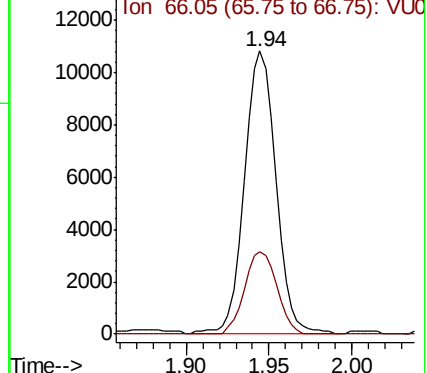
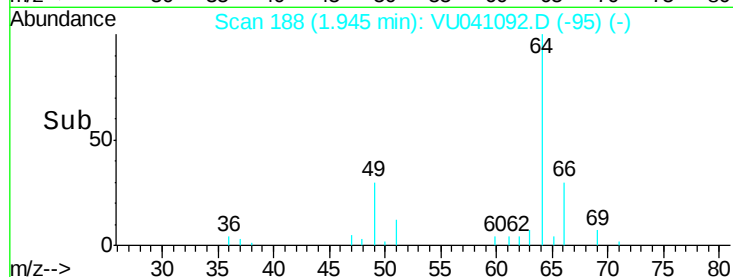
Ion Ratio Lower Upper

64 100

66 29.3 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU041092.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 4.949 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU041092.D

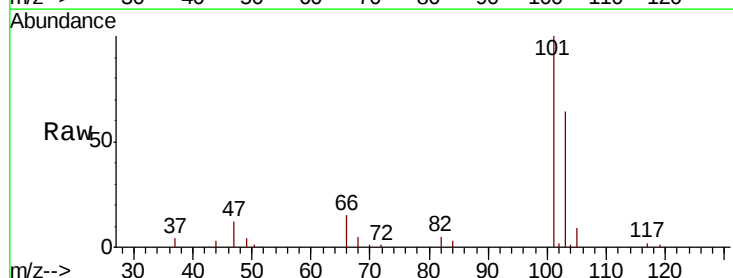
Acq: 04 Nov 2020 09:57

Tgt Ion: 101 Resp: 31780

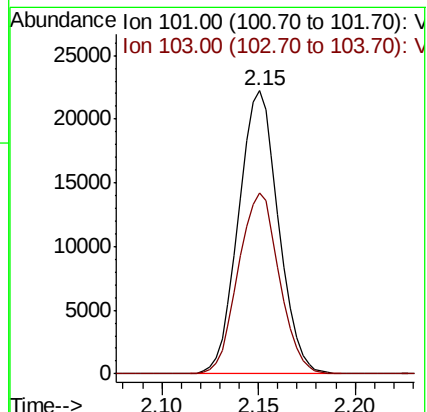
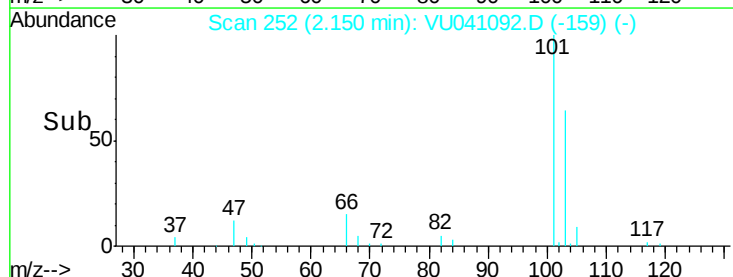
Ion Ratio Lower Upper

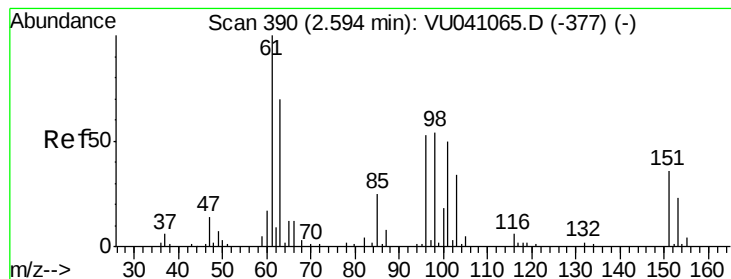
101 100

103 65.8 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041092.D (-159) (-)





#10

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

Concen: 5.038 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

ClientSampleId :

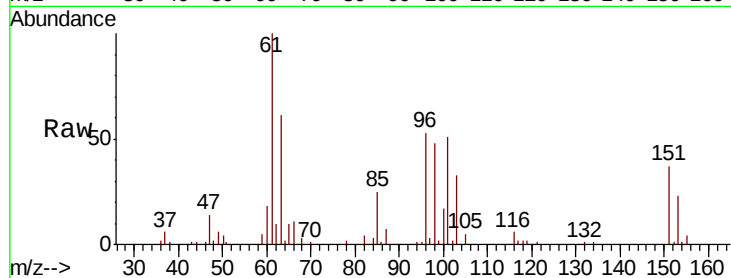
Tot Ion:101 Resp: 18958

Ion Ratio Lower Upper

101 100

85 47.5 35.0 52.4

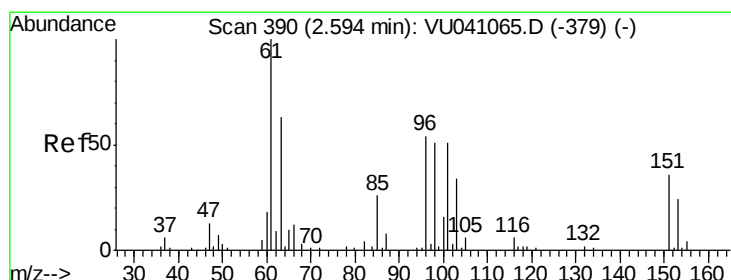
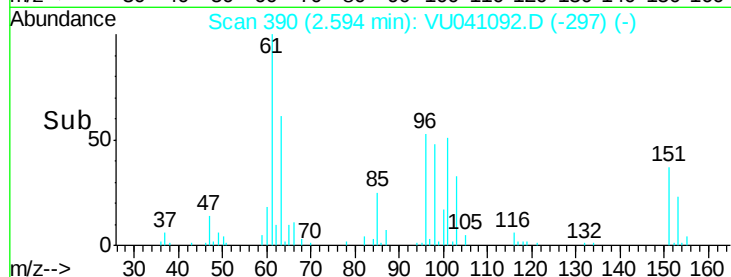
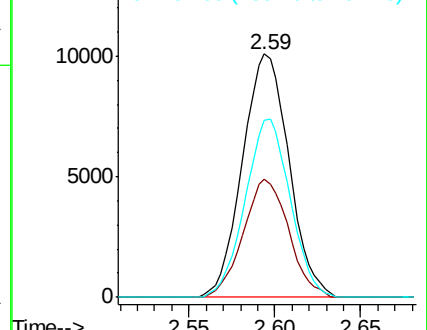
151 70.9 55.3 82.9



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: 4.857 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

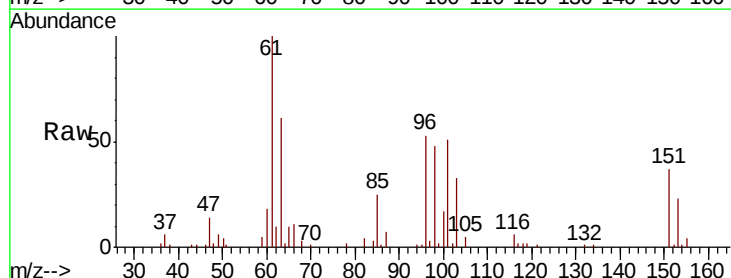
Tgt Ion: 96 Resp: 17256

Ion Ratio Lower Upper

96 100

61 188.6 134.3 249.5

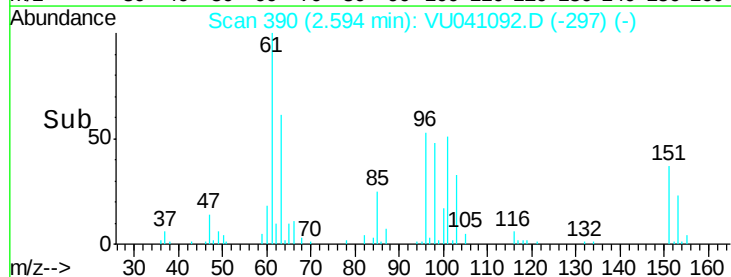
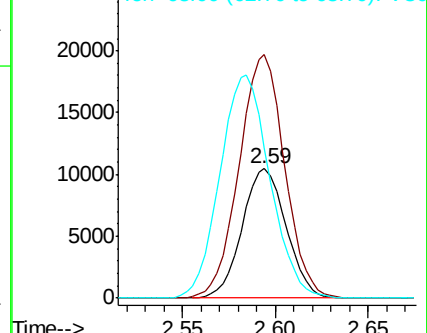
63 115.9 95.0 176.4

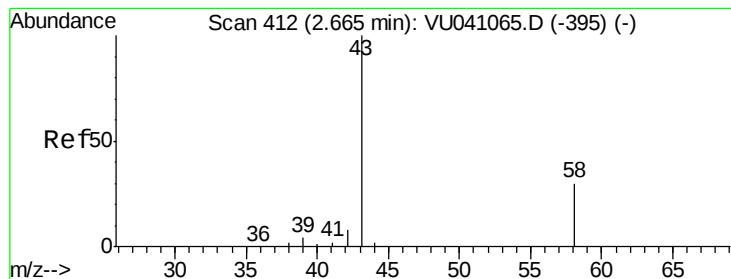


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 58.611 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

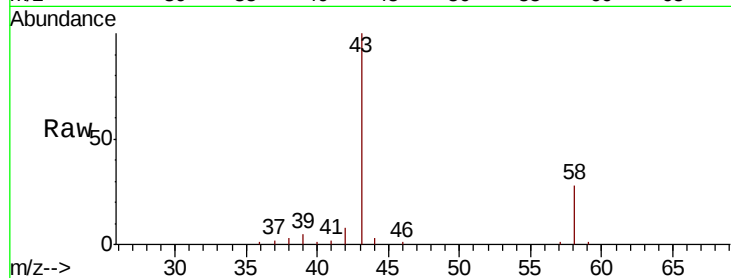
ClientSampled :

Tot Ion: 43 Resp: 55762

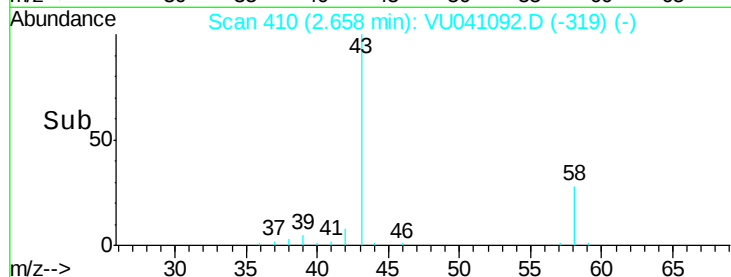
Ion Ratio Lower Upper

43 100

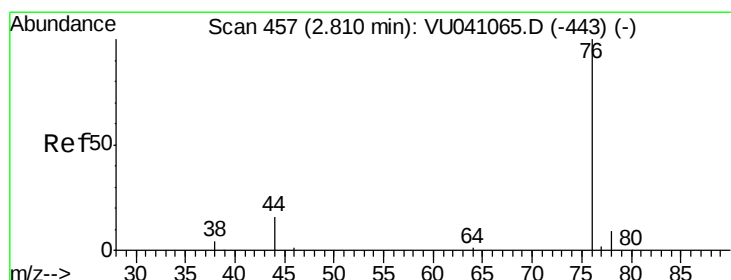
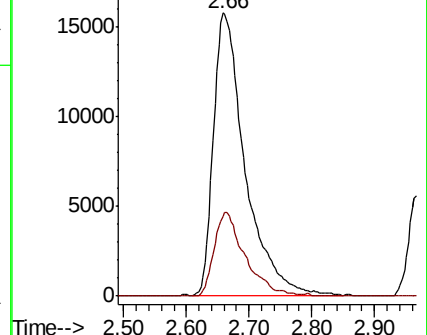
58 28.0 0.0 25.4#



Abundance Ion 43.05 (42.75 to 43.75): VU041092.D (-319) (-)



Ion 58.05 (57.75 to 58.75): VU041092.D (-319) (-)



#14

Carbon disulfide

Concen: 4.463 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU041092.D

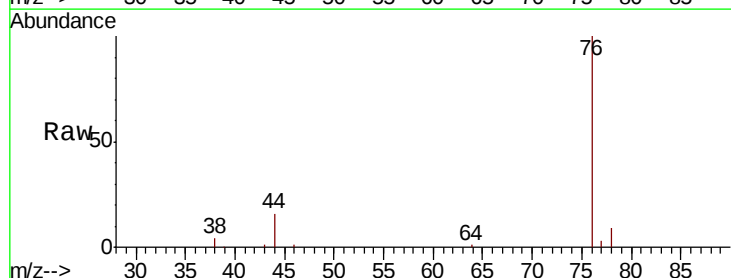
Acq: 04 Nov 2020 09:57

Tgt Ion: 76 Resp: 52991

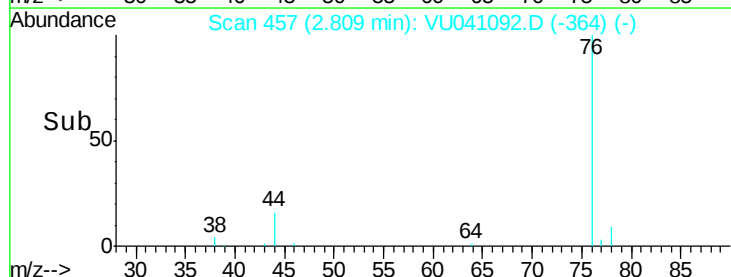
Ion Ratio Lower Upper

76 100

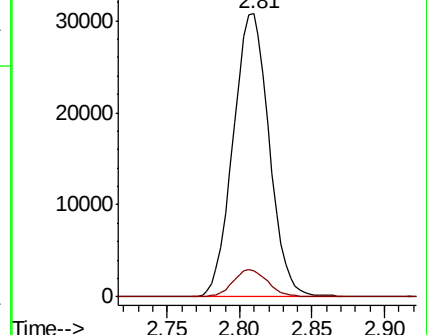
78 9.4 7.5 11.3

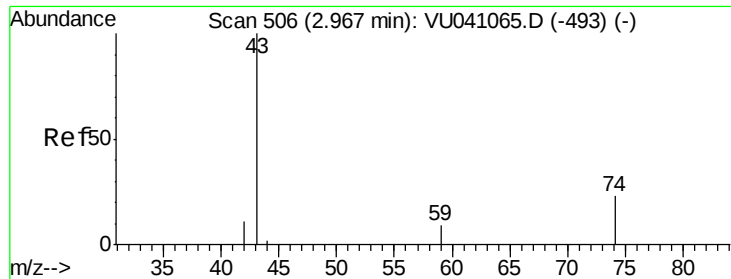


Abundance Ion 76.05 (75.75 to 76.75): VU041092.D (-364) (-)



Ion 78.00 (77.70 to 78.70): VU041092.D (-364) (-)

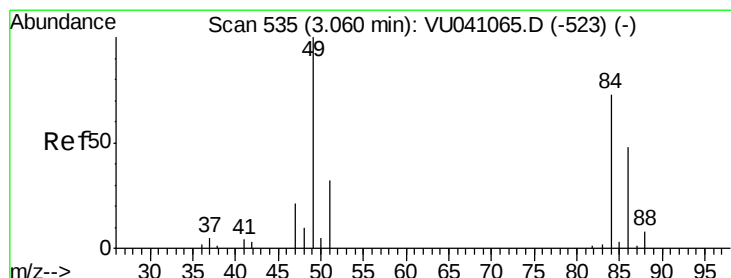
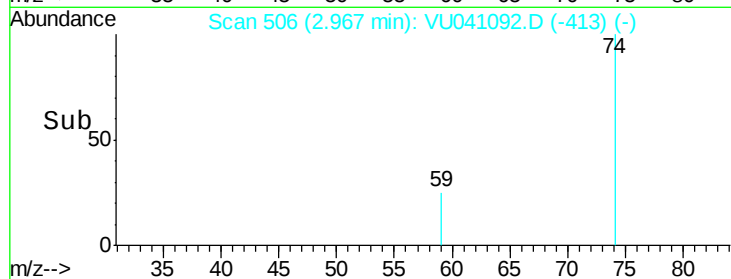
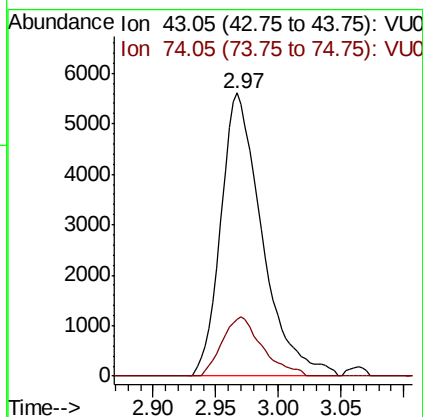
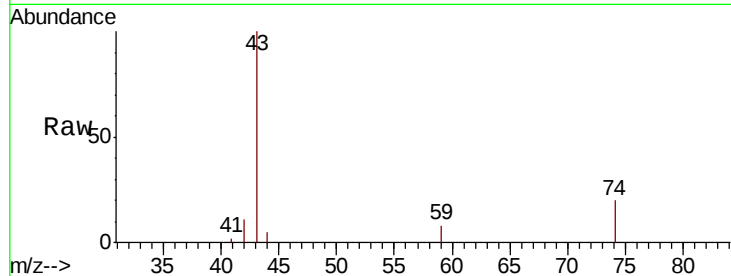




#15
Methvl Acetate
Concen: 5.887 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

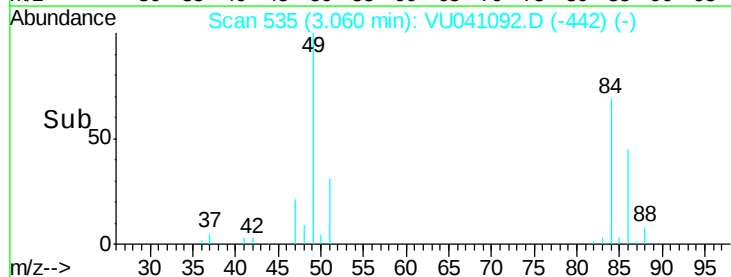
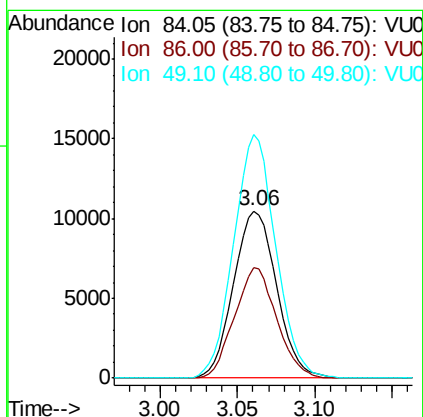
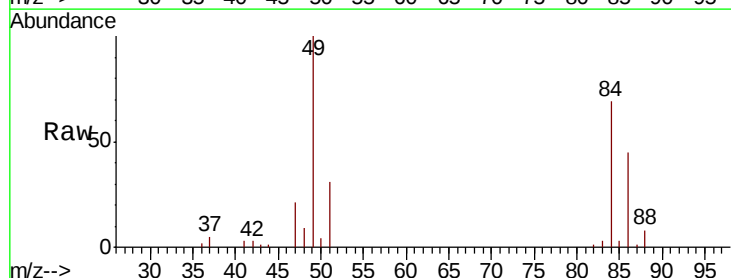
Instrument :
MSVOA_U
ClientSampleId :

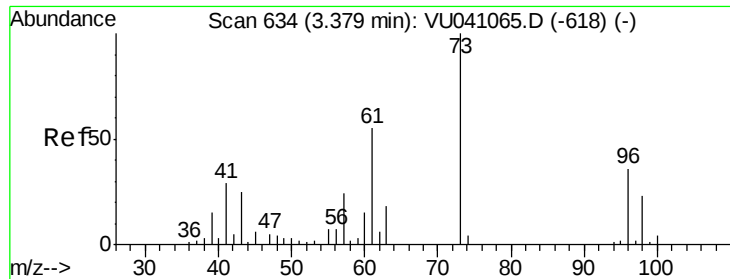
Tot Ion: 43 Resp: 12816
Ion Ratio Lower Upper
43 100
74 20.3 18.3 27.5



#16
Methylene chloride
Concen: 4.898 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Tgt Ion: 84 Resp: 20278
Ion Ratio Lower Upper
84 100
86 66.0 42.8 79.6
49 145.7 99.5 184.7

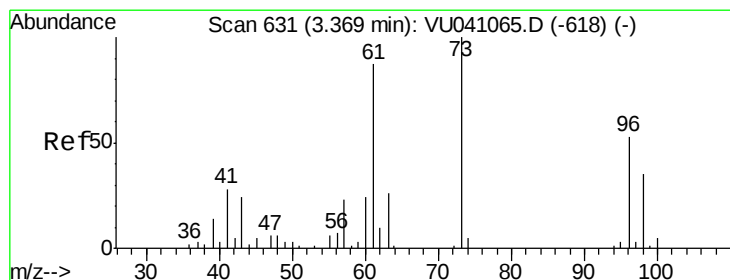
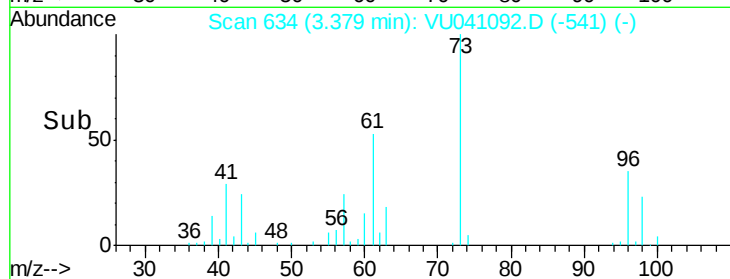
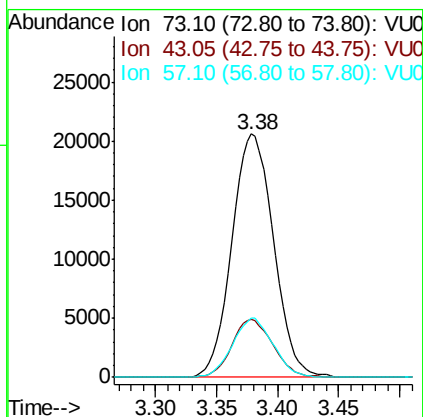
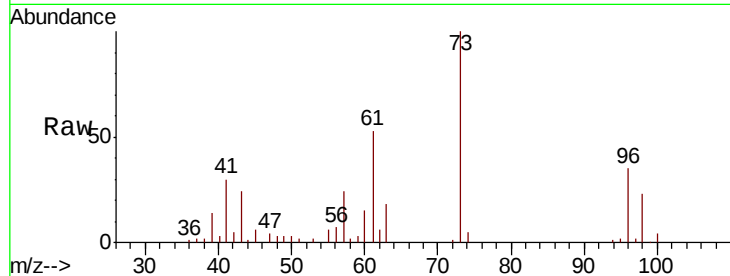




#17
Methvl tert-butvl Ether
Concen: 5.329 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

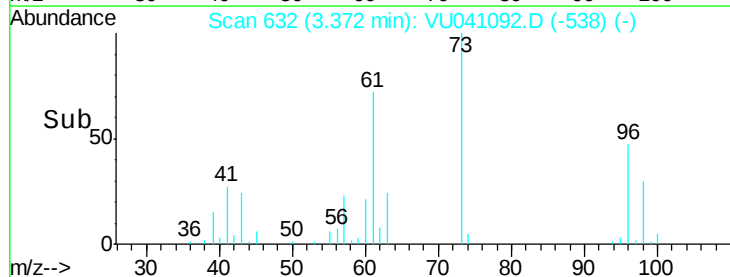
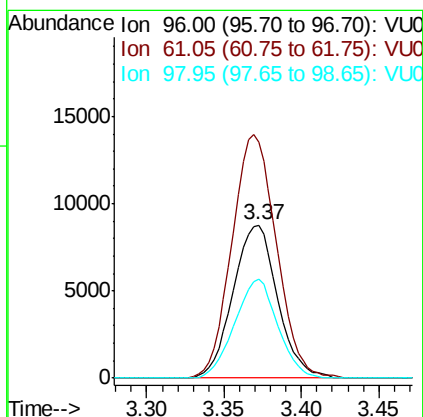
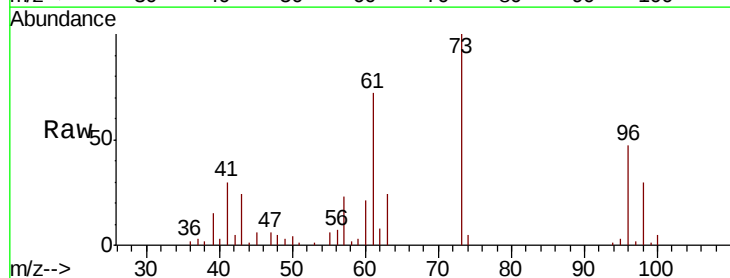
Instrument :
MSVOA_U
ClientSampled :

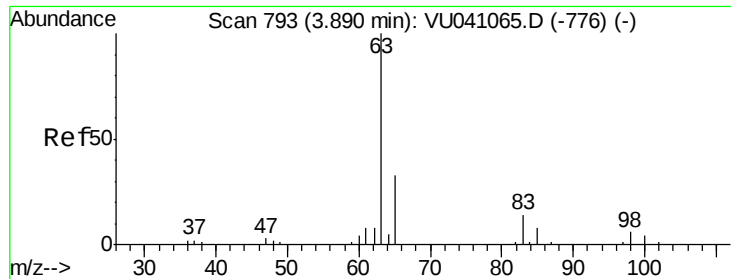
Tot Ion: 73 Resp: 48730
Ion Ratio Lower Upper
73 100
43 23.6 18.5 27.7
57 23.6 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 4.850 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Tgt Ion: 96 Resp: 17512
Ion Ratio Lower Upper
96 100
61 153.7 110.9 205.9
98 64.8 45.4 84.2

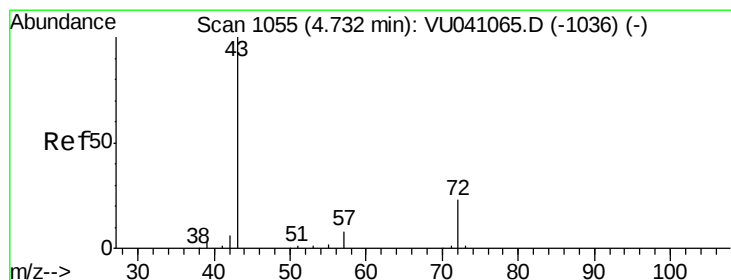
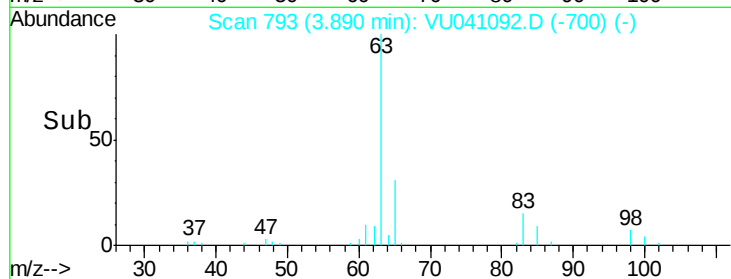
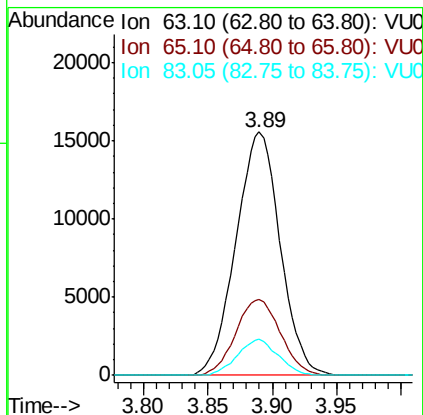
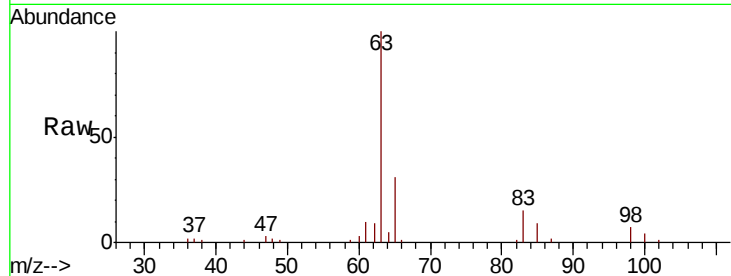




#19
 1,1-Dichloroethane
 Concen: 5.147 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

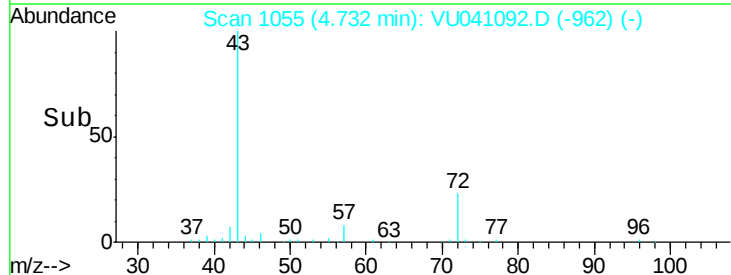
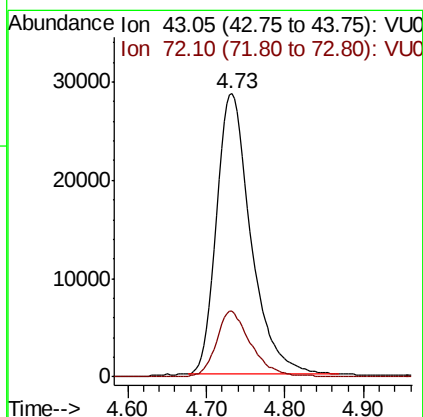
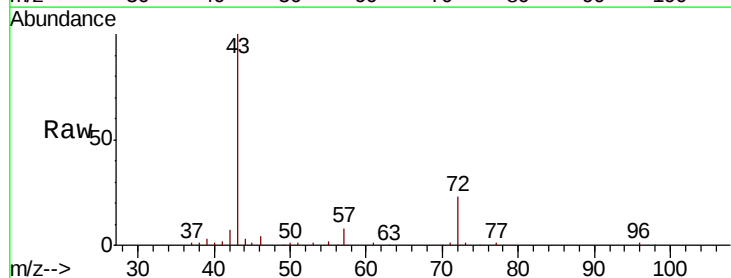
Instrument :
 MSVOA_U
 ClientSampleId :

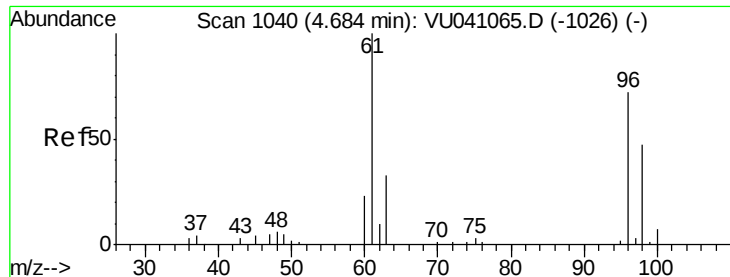
Tot Ion: 63 Resp: 37156
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.3 39.6
 83 14.6 8.8 16.3



#21
 2-Butanone
 Concen: 58.174 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Tgt Ion: 43 Resp: 86503
 Ion Ratio Lower Upper
 43 100
 72 23.8 11.8 35.4





#22

cis-1,2-Dichloroethene

Concen: 5.114 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :
MSVOA_U
ClientSampleId :

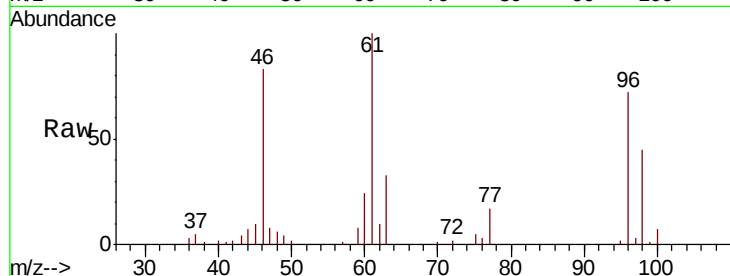
Tot Ion: 96 Resp: 19046

Ion Ratio Lower Upper

96 100

61 139.7 97.2 180.4

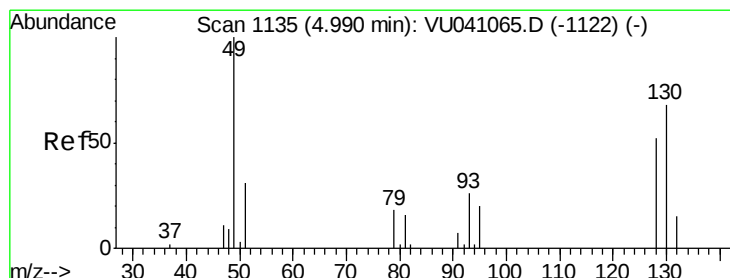
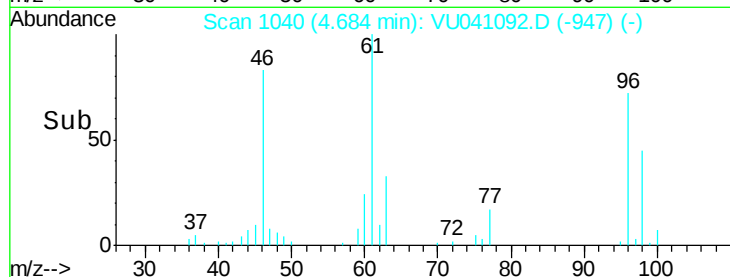
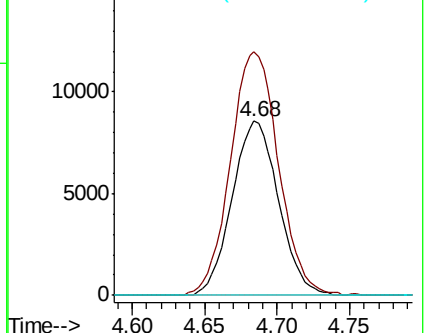
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041092.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU041092.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU041092.D (-947) (-)



#23

Bromochloromethane

Concen: 5.411 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Tgt Ion:128 Resp: 9508

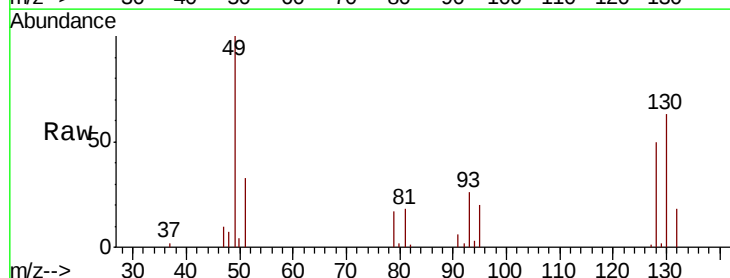
Ion Ratio Lower Upper

128 100

49 199.8 135.0 250.8

130 126.5 89.9 167.0

51 65.9 51.9 77.9

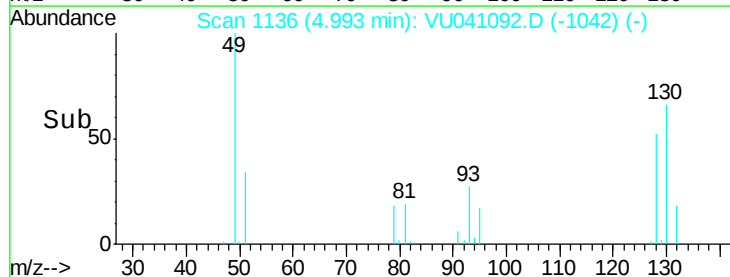
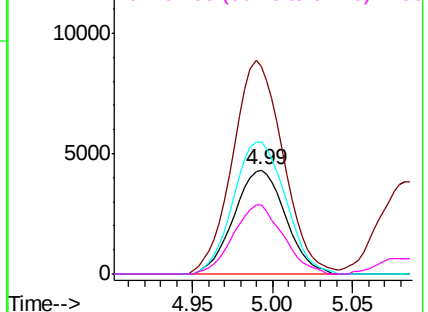


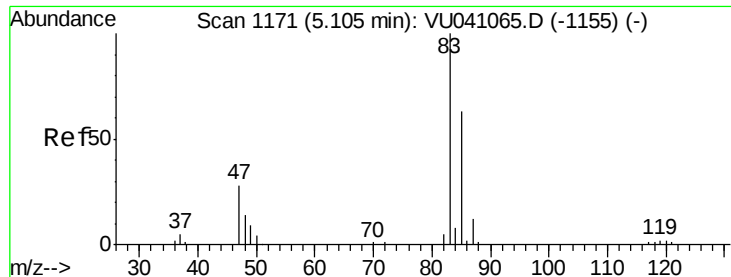
Abundance Ion 127.90 (127.60 to 128.60): VU041092.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU041092.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU041092.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU041092.D (-1042) (-)

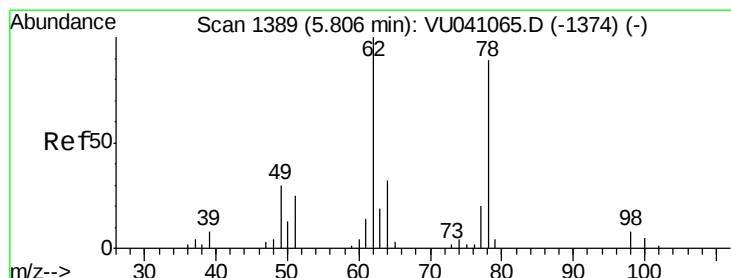
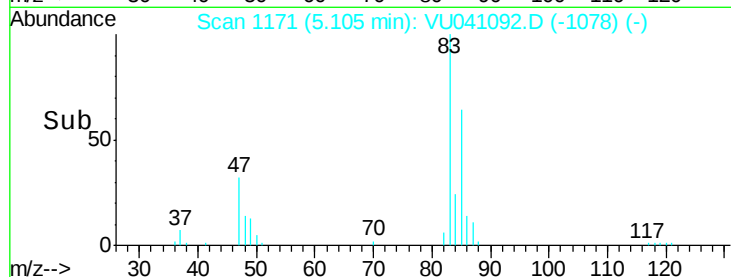
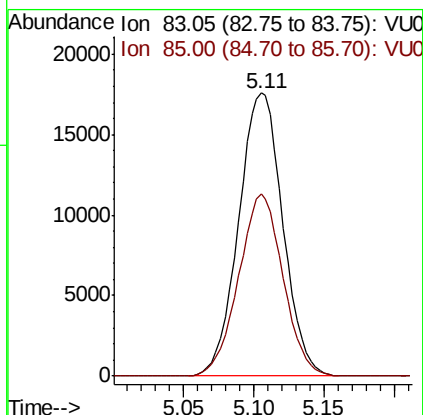
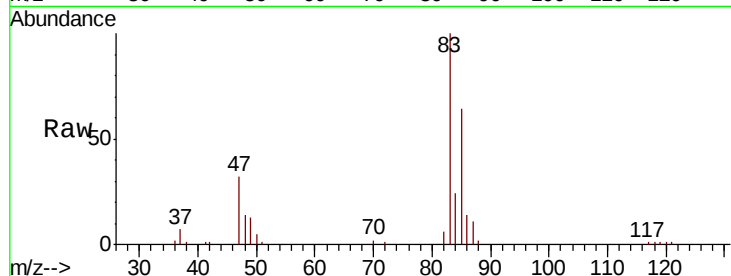




#25
Chloroform
Concen: 5.308 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

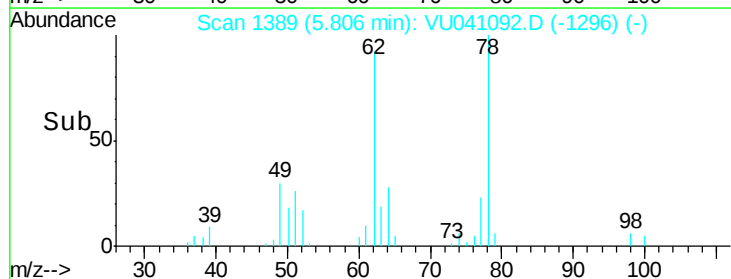
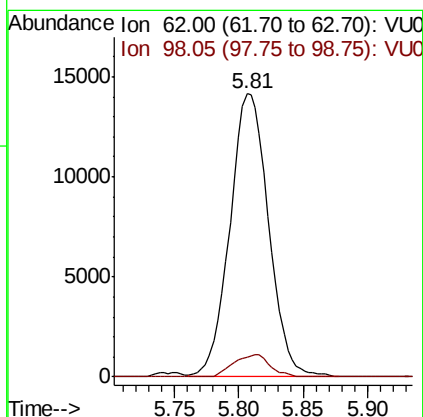
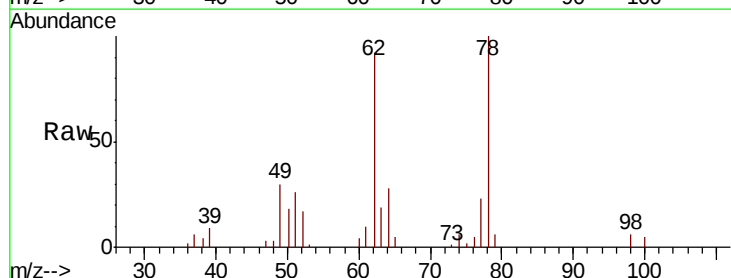
Instrument :
MSVOA_U
ClientSampled :

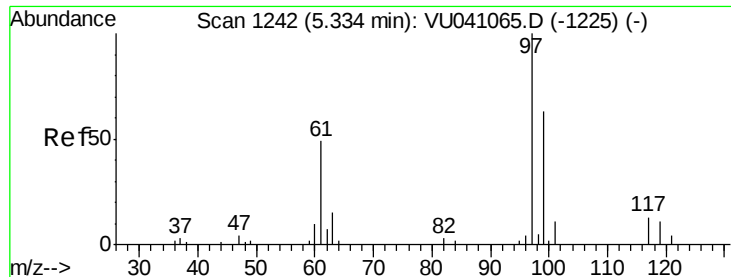
Tot Ion: 83 Resp: 38428
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 5.477 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Tgt Ion: 62 Resp: 29532
Ion Ratio Lower Upper
62 100
98 7.0 7.6 11.4#

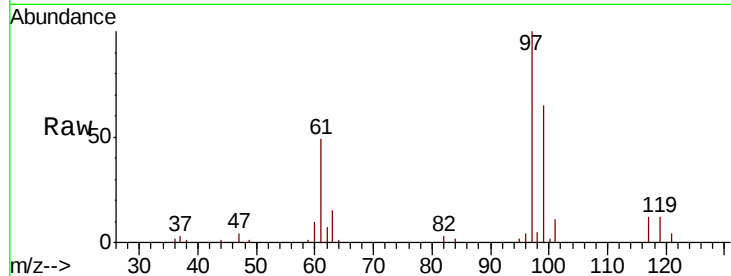




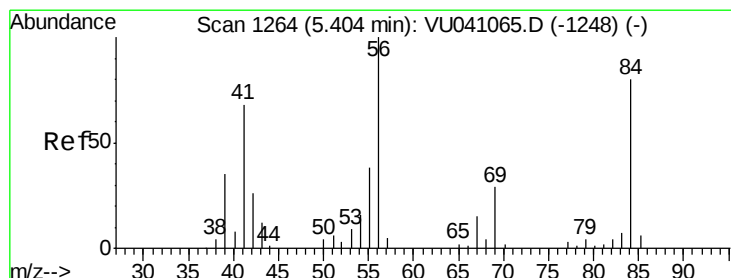
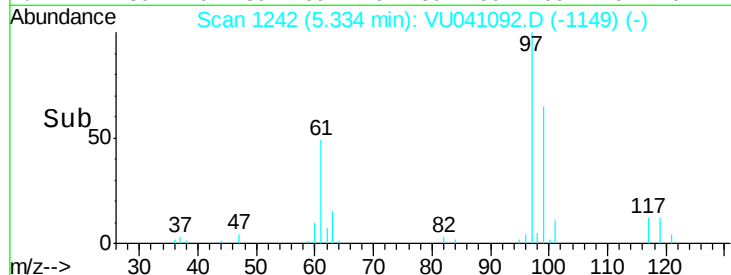
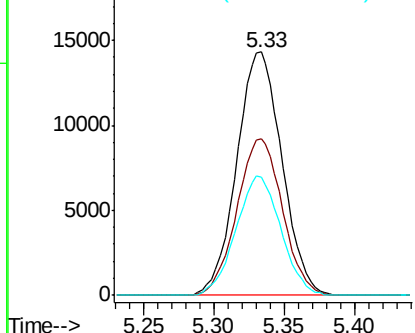
#29
 1,1,1-Trichloroethane
 Concen: 5.253 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	97	Resp	32107
Ion	Ratio	Lower	Upper
97	100		
99	64.6	53.4	80.0
61	48.7	41.6	62.4

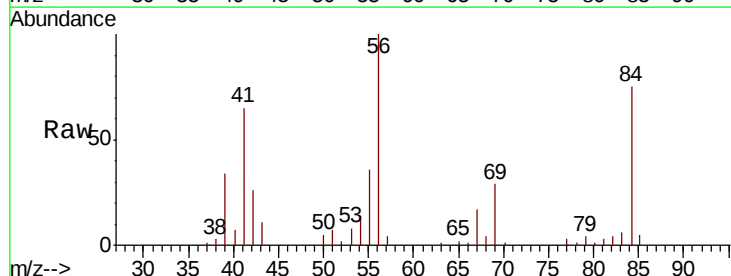


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

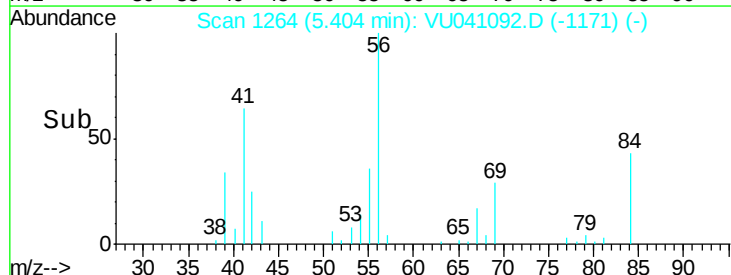
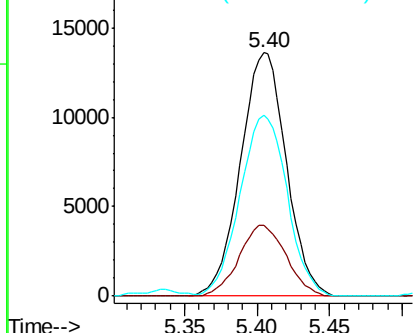


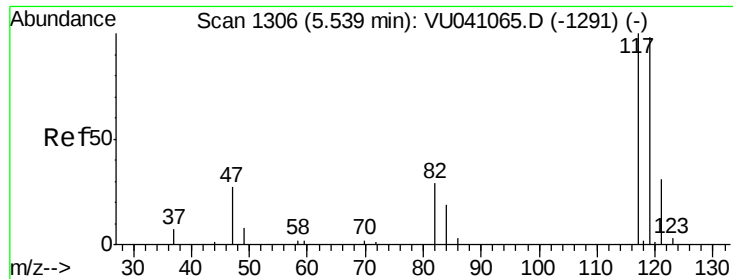
#30
 Cyclohexane
 Concen: 4.964 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Tgt Ion	56	Resp	29894
Ion	Ratio	Lower	Upper
56	100		
69	29.7	22.8	34.2
84	76.6	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: 5.071 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

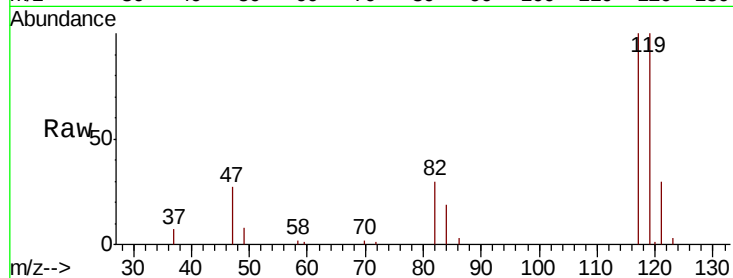
ClientSampleId :

Tot Ion:117 Resp: 27448

Ion Ratio Lower Upper

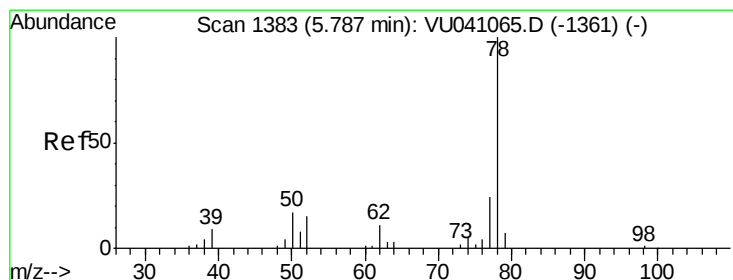
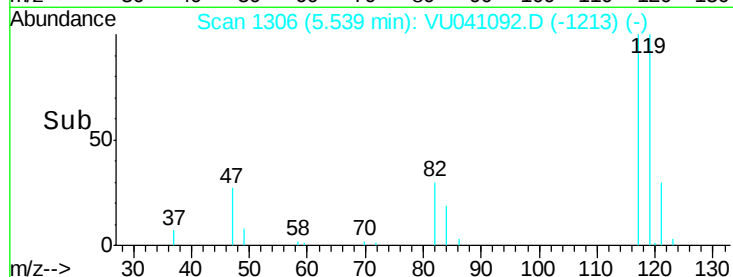
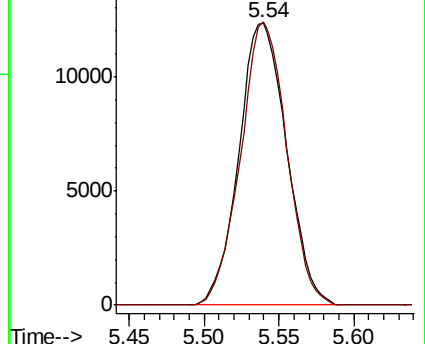
117 100

119 96.9 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.193 ug/L

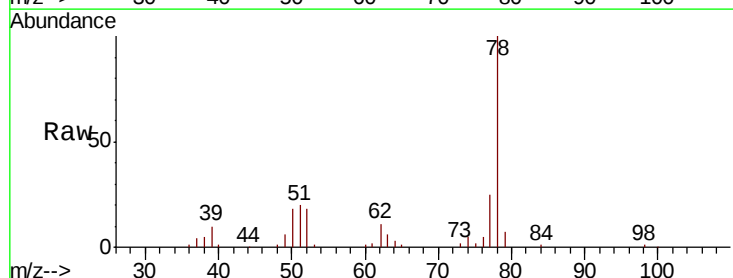
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

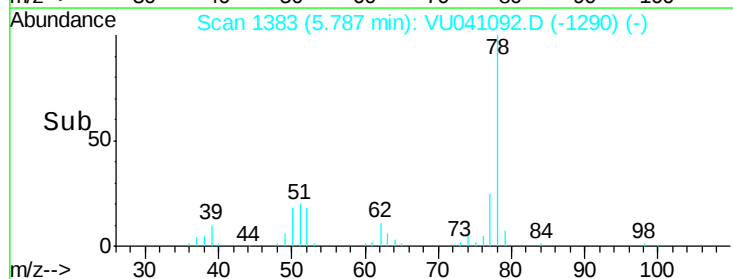
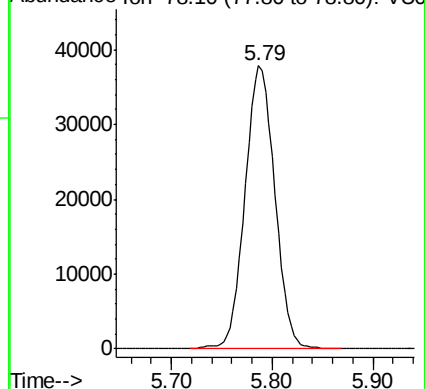
Lab File: VU041092.D

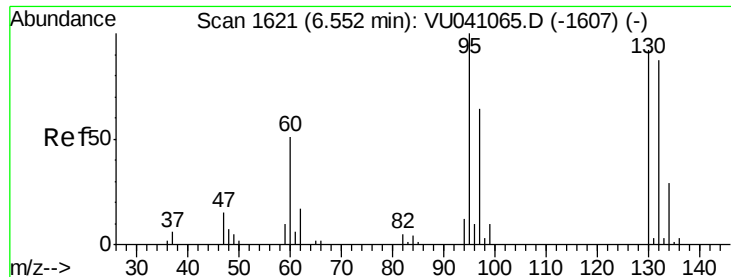
Acq: 04 Nov 2020 09:57

Tgt Ion: 78 Resp: 77550



Abundance Ion 78.10 (77.80 to 78.80): VU0

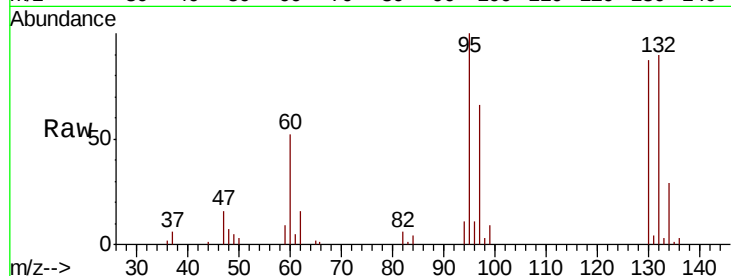




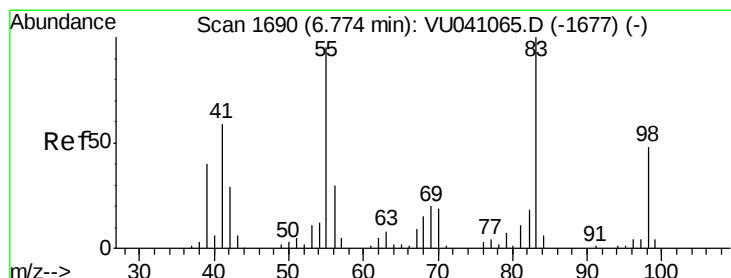
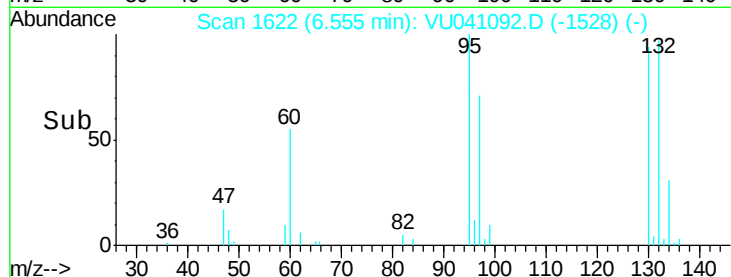
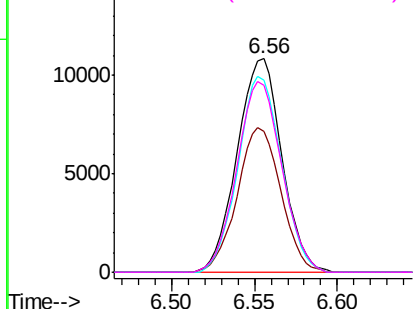
#34
 Trichloroethene
 Concen: 5.346 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 20316
 Ion Ratio Lower Upper
 95 100
 97 65.7 45.6 84.6
 132 90.1 64.8 120.4
 130 87.5 64.8 120.4

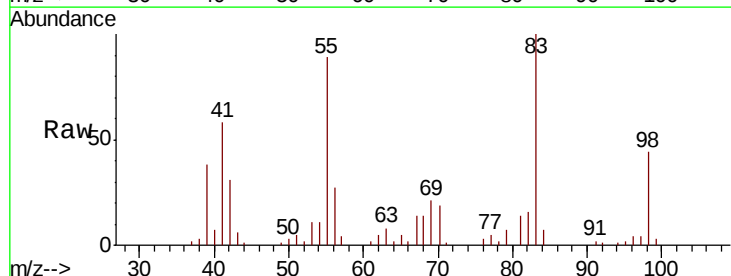


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

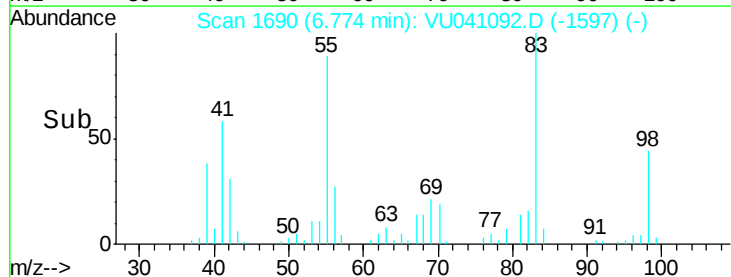
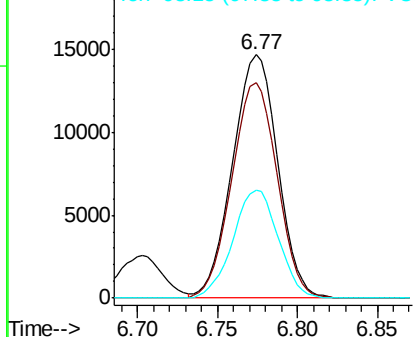


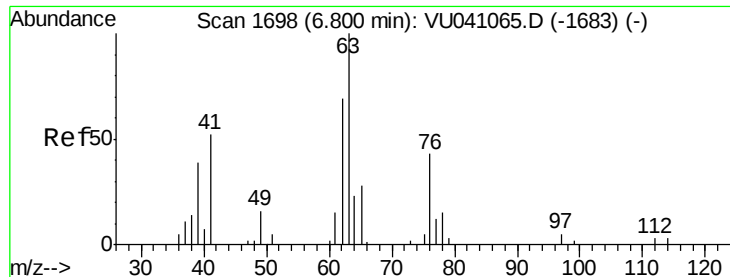
#35
 Methylcyclohexane
 Concen: 4.997 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Tgt Ion: 83 Resp: 28325
 Ion Ratio Lower Upper
 83 100
 55 88.8 72.0 108.0
 98 44.4 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

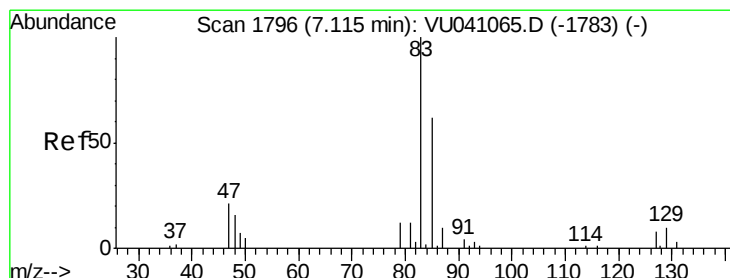
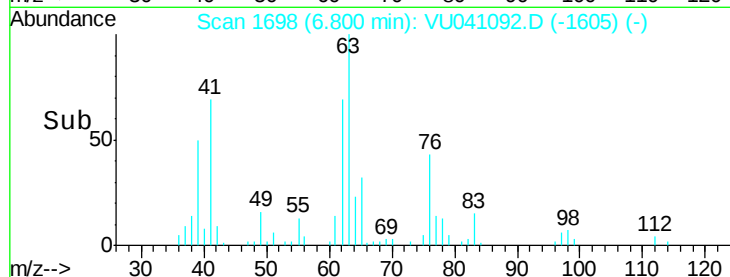
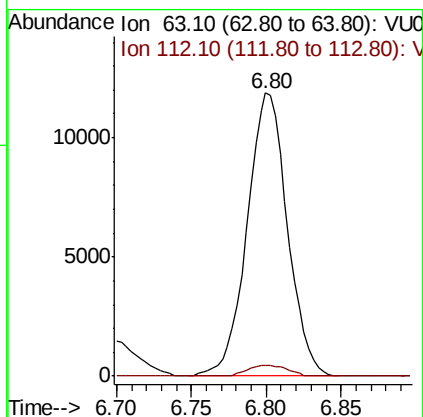
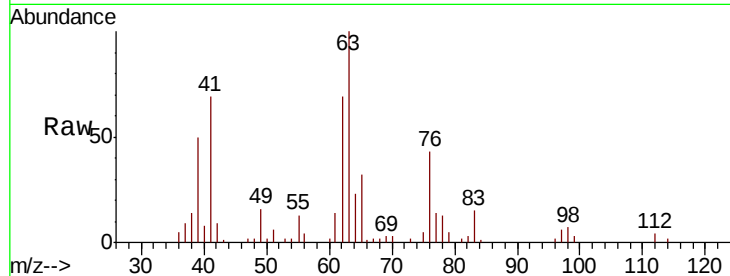




#37
 1,2-Dichloropropane
 Concen: 5.491 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

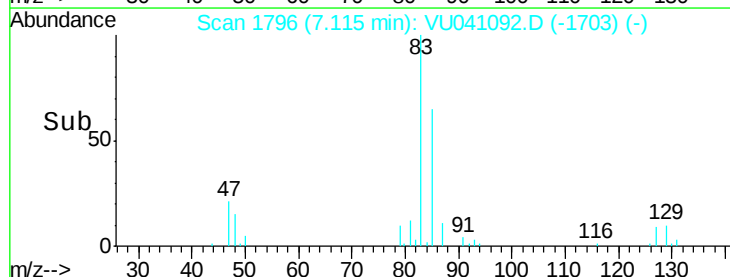
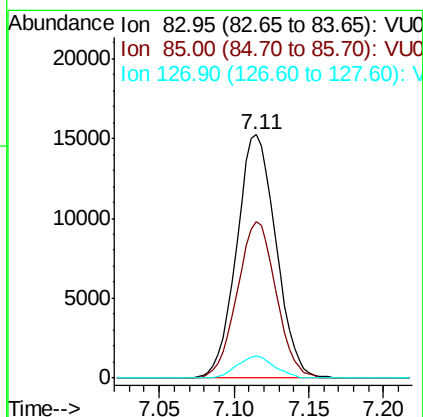
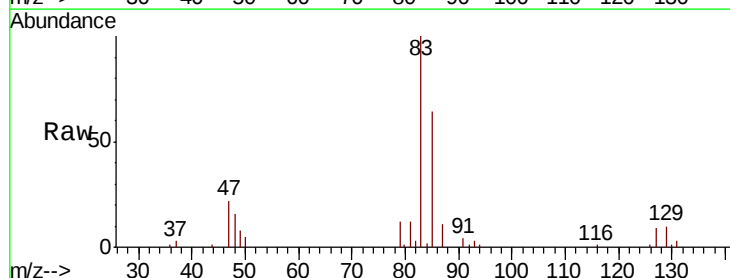
Instrument :
 MSVOA_U
 ClientSampleId :

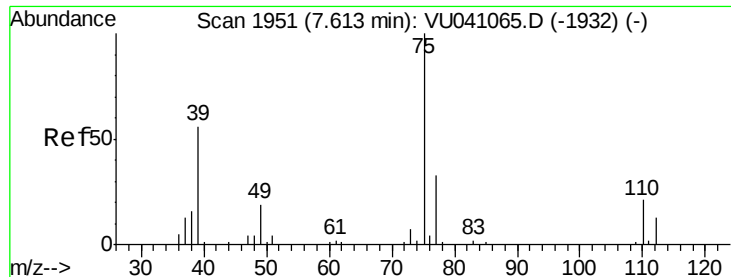
Tot Ion: 63 Resp: 22190
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.331 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Tgt Ion: 83 Resp: 27945
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.3 80.3
 127 9.1 5.9 8.9#

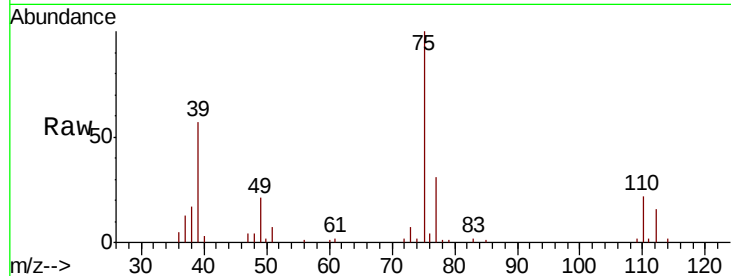




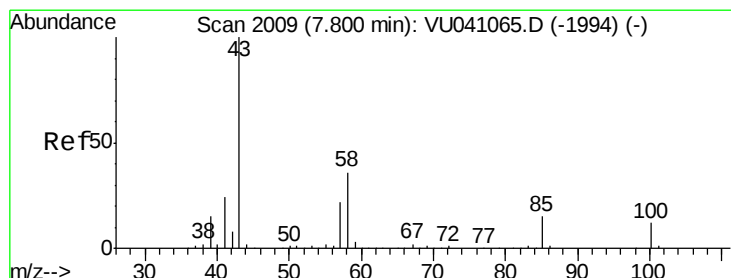
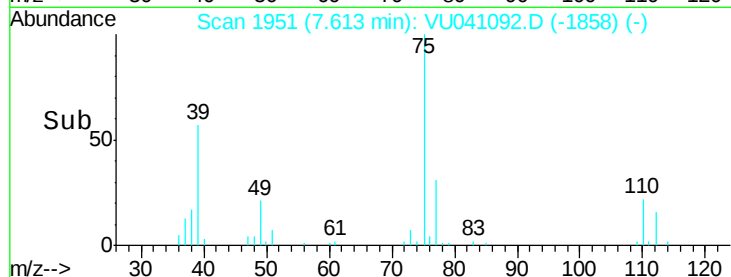
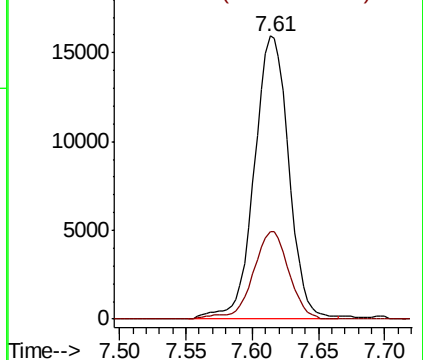
#39
 cis-1,3-Dichloropropene
 Concen: 5.215 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 29016
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.7 42.3

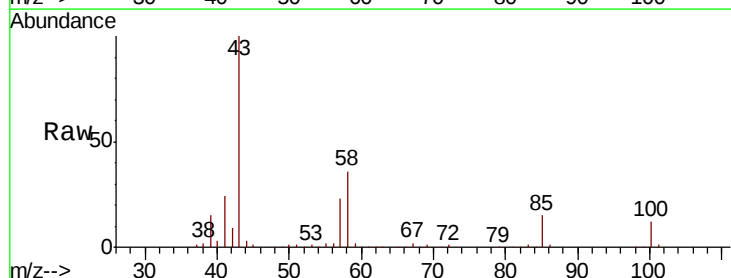


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

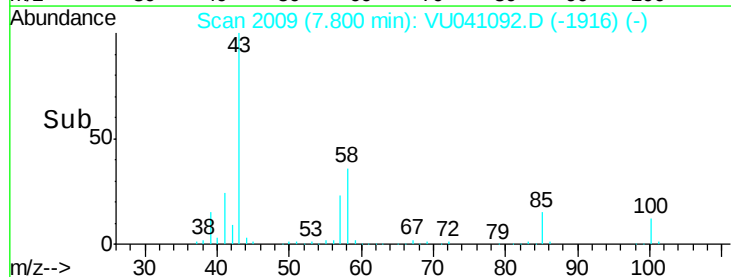
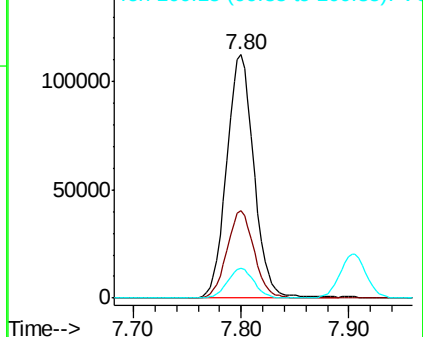


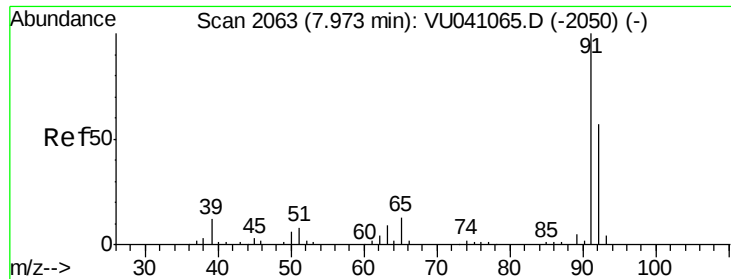
#40
 4-Methyl-2-pentanone
 Concen: 61.745 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Tgt Ion: 43 Resp: 198934
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.8 44.6
 100 11.9 10.5 15.7



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





#42

Toluene

Concen: 5.399 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

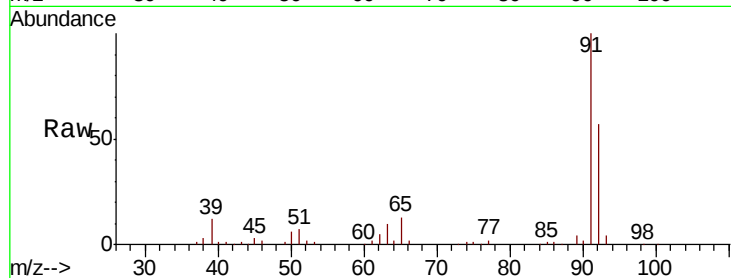
ClientSampled :

Tot Ion: 91 Resp: 81758

Ion Ratio Lower Upper

91 100

92 56.9 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

50000

40000

30000

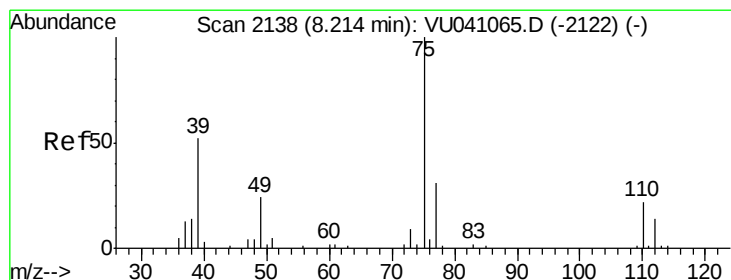
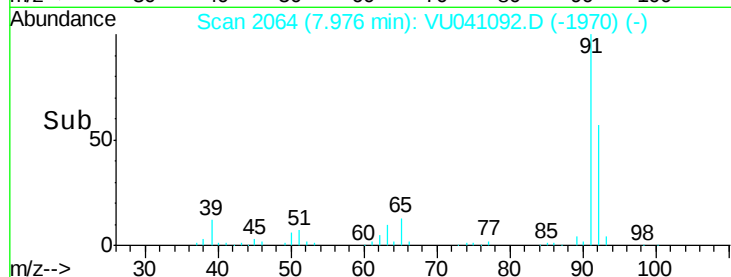
20000

10000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 5.592 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041092.D

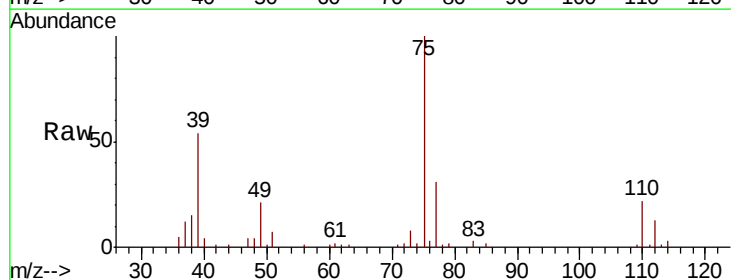
Acq: 04 Nov 2020 09:57

Tgt Ion: 75 Resp: 29115

Ion Ratio Lower Upper

75 100

77 30.9 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

20000

15000

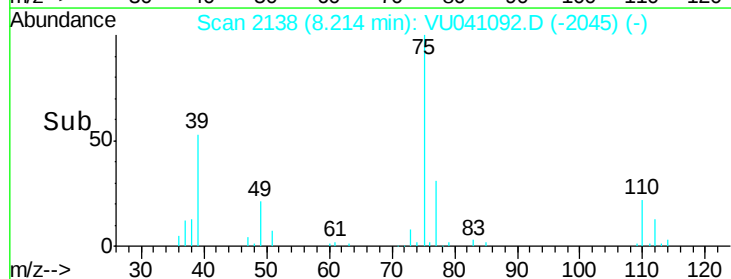
10000

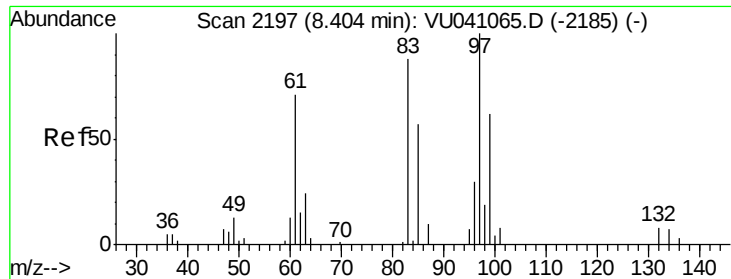
5000

0

Time-->

8.10 8.15 8.20 8.25 8.30

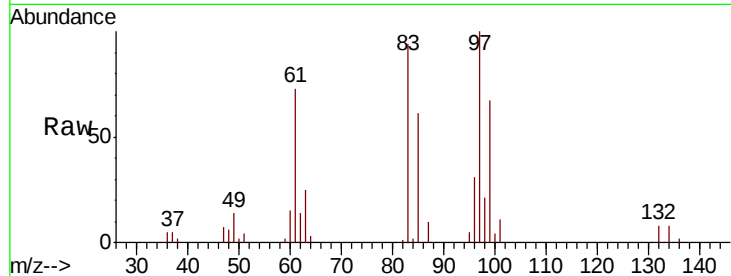




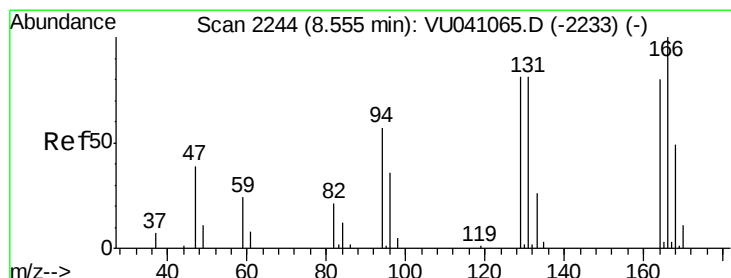
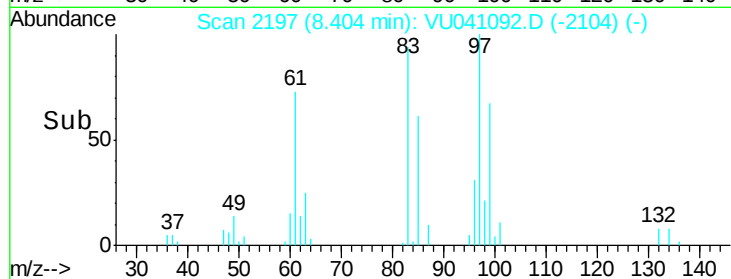
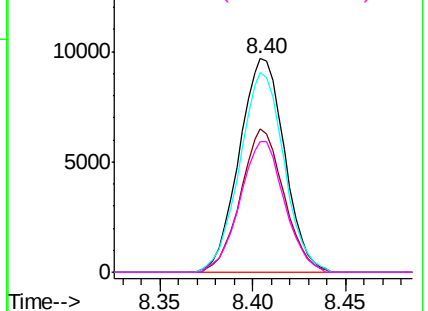
#45
1,1,2-Trichloroethane
Concen: 5.492 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 97 Resp: 16519
Ion Ratio Lower Upper
97 100
99 67.2 45.8 85.2
83 93.8 67.9 126.1
85 61.3 42.8 79.6

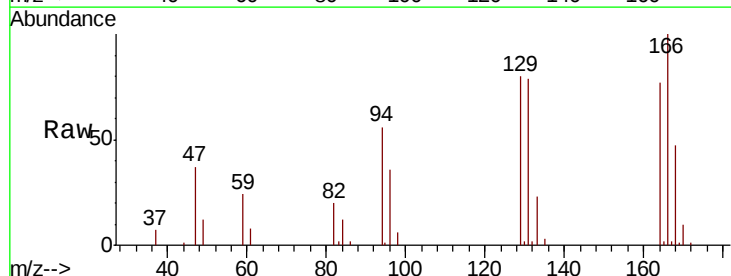


Abundance Ion 96.95 (96.65 to 97.65): VU0
15000 Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

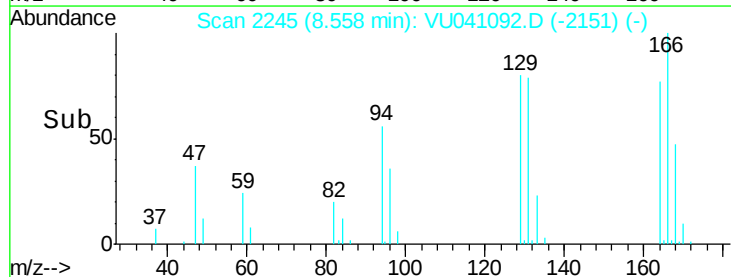
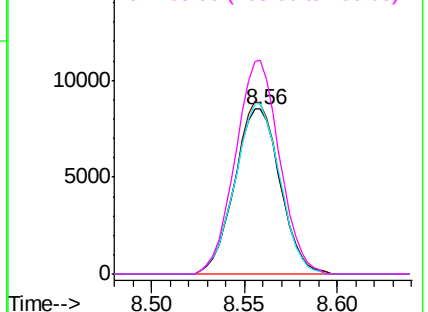


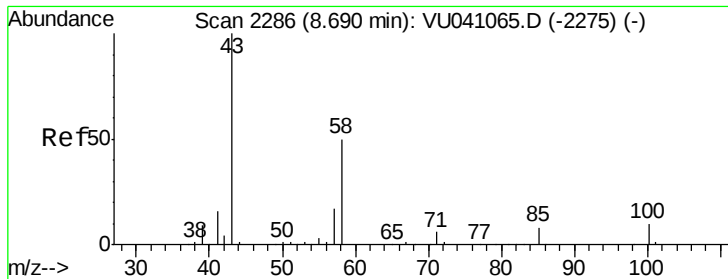
#47
Tetrachloroethene
Concen: 5.224 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Tgt Ion:164 Resp: 14600
Ion Ratio Lower Upper
164 100
129 102.9 70.3 130.7
131 102.8 70.8 131.4
166 129.4 92.0 170.8



Abundance Ion 163.90 (163.60 to 164.60): V
15000 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

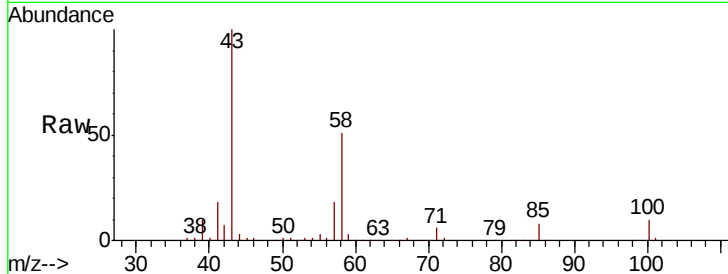




#48
2-Hexanone
Concen: 62.983 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	43	Resp:	152795
Ion	Ratio	Lower	Upper
43	100		
58	50.4	41.4	62.2
57	18.1	14.6	21.8
100	9.4	8.3	12.5

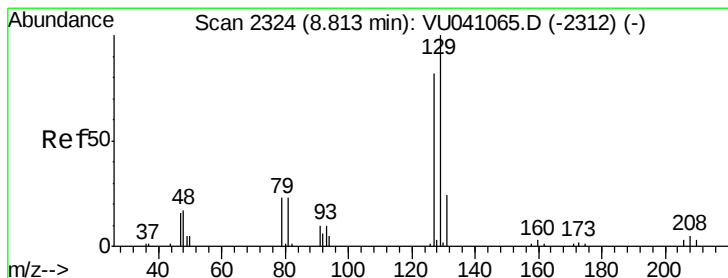
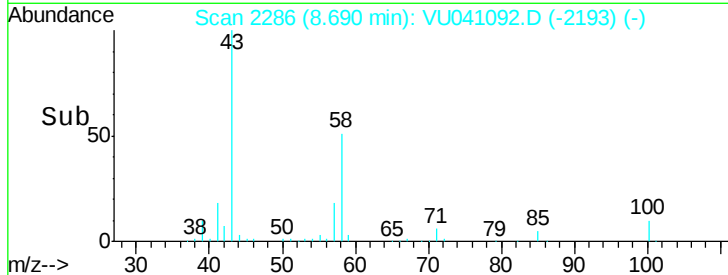
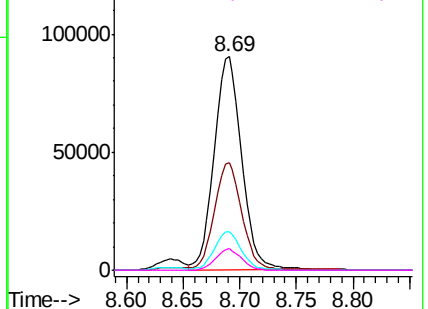


Abundance Ion 43.05 (42.75 to 43.75): VU041092.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041092.D (-2193) (-)

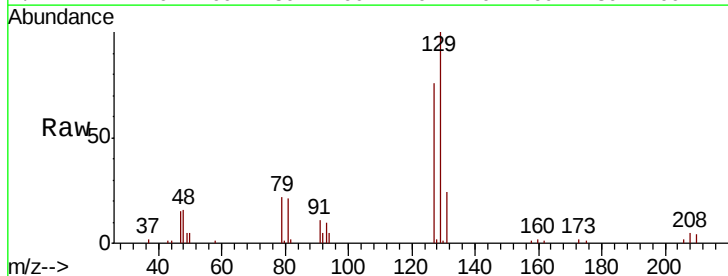
Ion 57.20 (56.90 to 57.90): VU041092.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041092.D (-2193) (-)



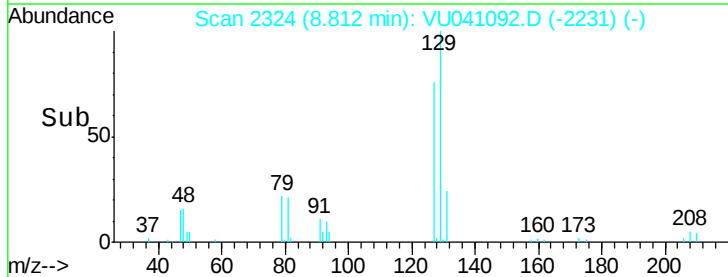
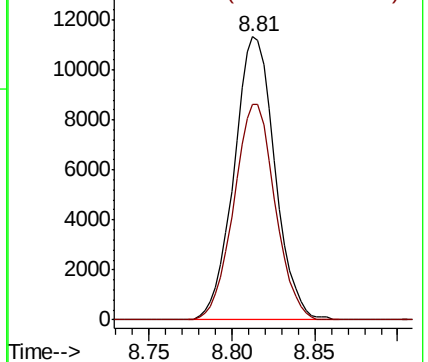
#49
Dibromochloromethane
Concen: 5.548 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

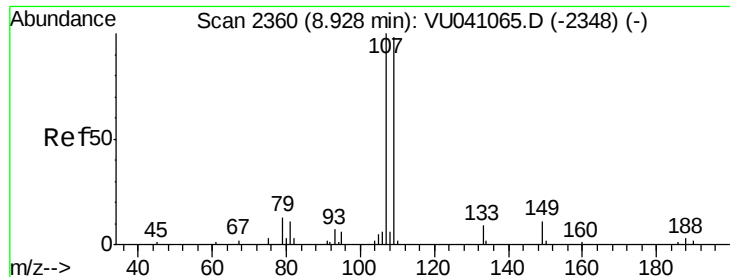
Tgt Ion:	129	Resp:	19380
Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.4	99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041092.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041092.D (-2231) (-)

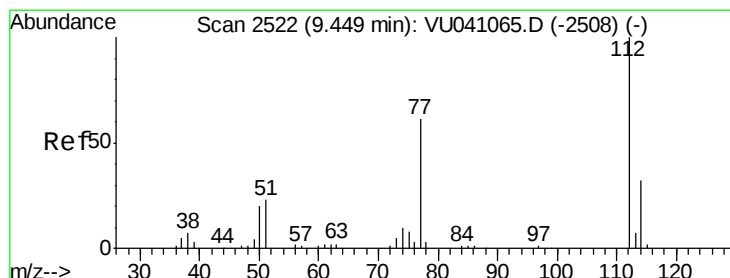
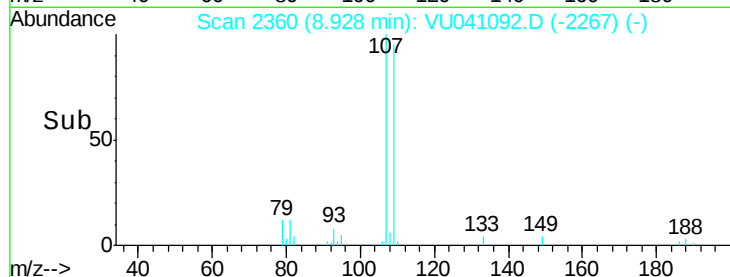
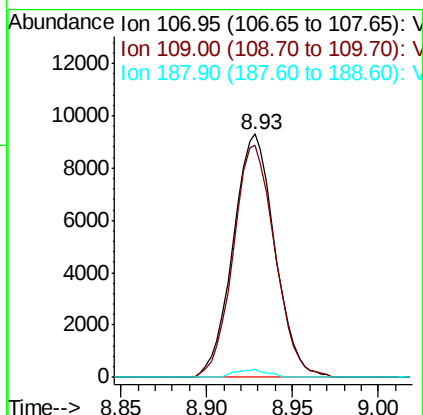
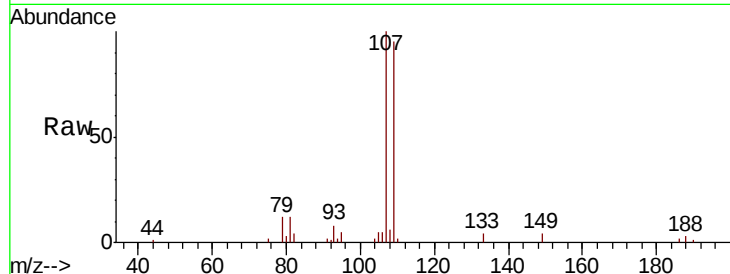




#50
1,2-Dibromoethane
Concen: 5.492 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

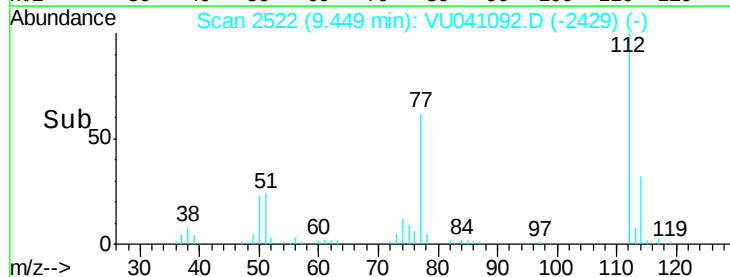
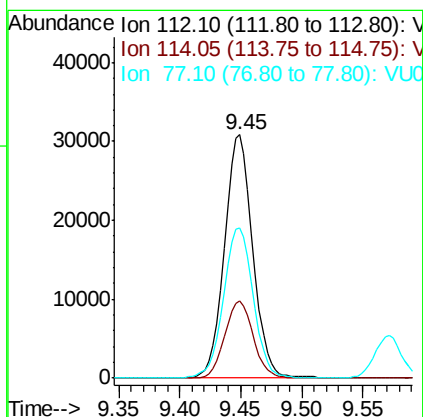
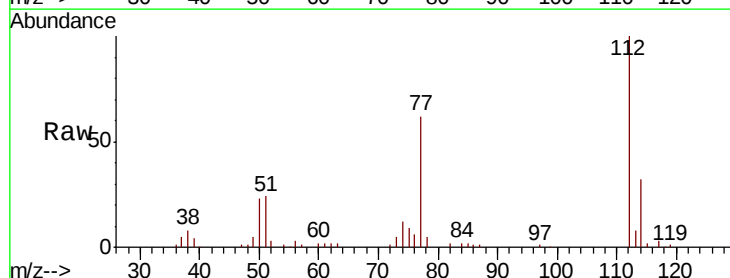
Instrument :
MSVOA_U
ClientSampleId :

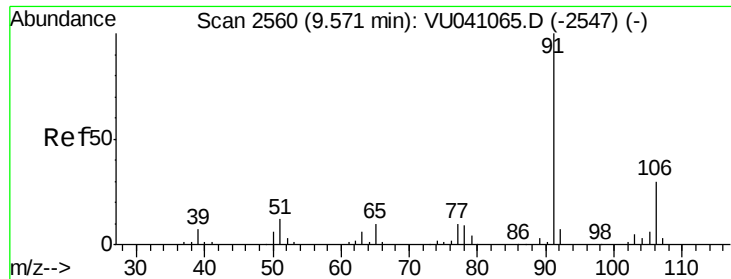
Tot Ion:107 Resp: 15741
Ion Ratio Lower Upper
107 100
109 95.5 65.6 121.8
188 3.1 2.9 4.3



#51
Chlorobenzene
Concen: 5.224 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Tgt Ion:112 Resp: 50167
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 61.7 51.2 76.8

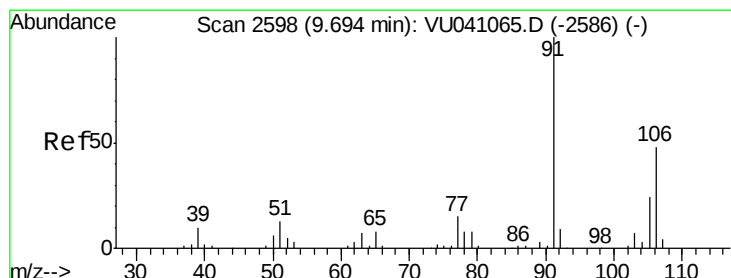
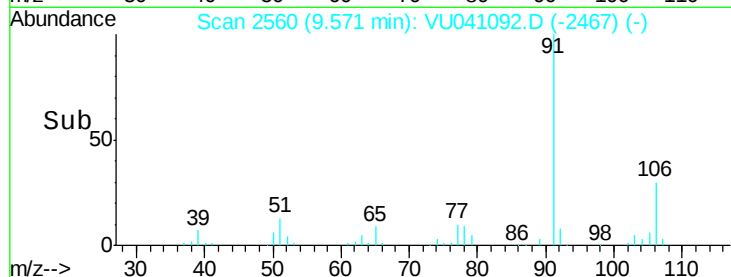
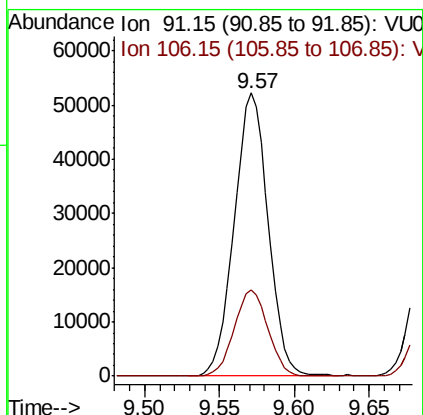
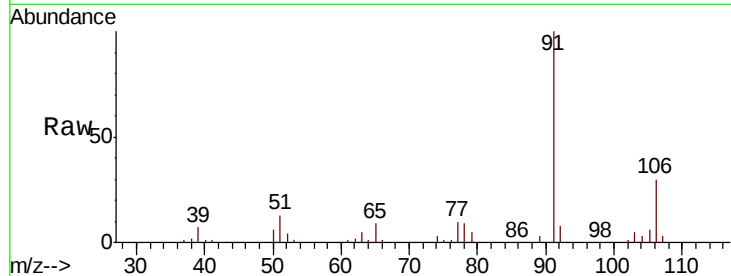




#52
Ethylbenzene
Concen: 5.168 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

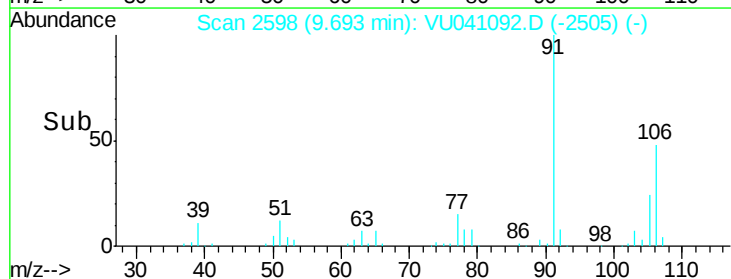
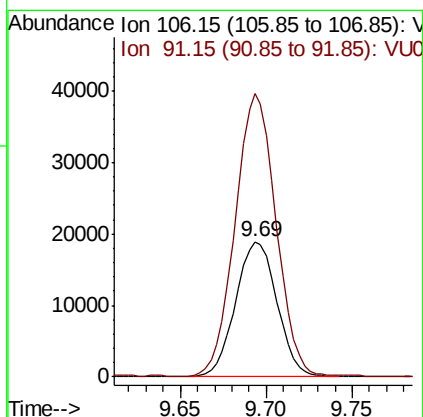
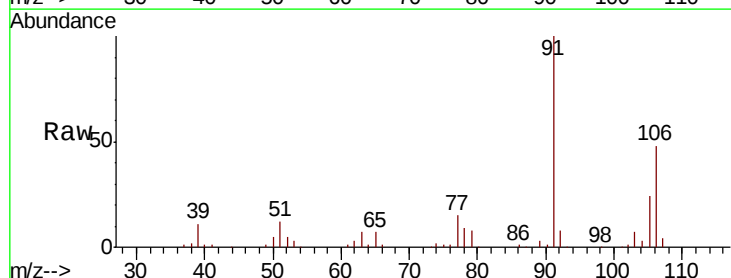
Instrument :
MSVOA_U
ClientSampled :

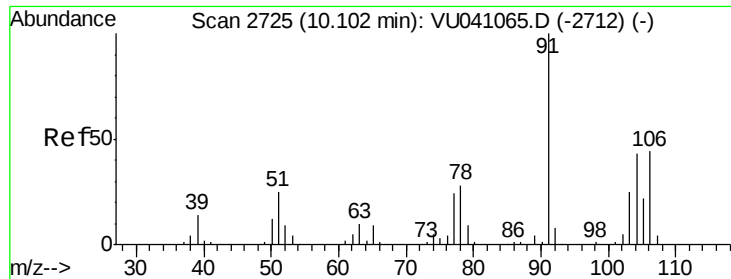
Tot Ion: 91 Resp: 82374
Ion Ratio Lower Upper
91 100
106 30.4 21.0 39.0



#53
m,p-Xylene
Concen: 5.425 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Tgt Ion: 106 Resp: 31539
Ion Ratio Lower Upper
106 100
91 209.1 150.9 280.3

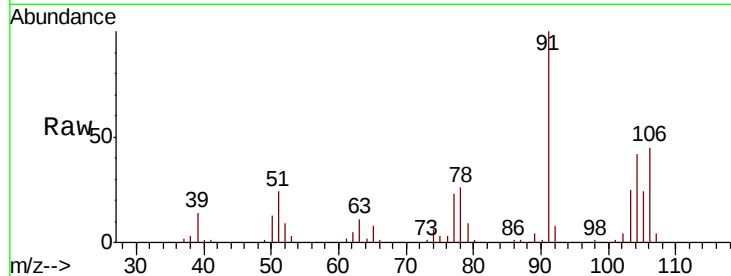




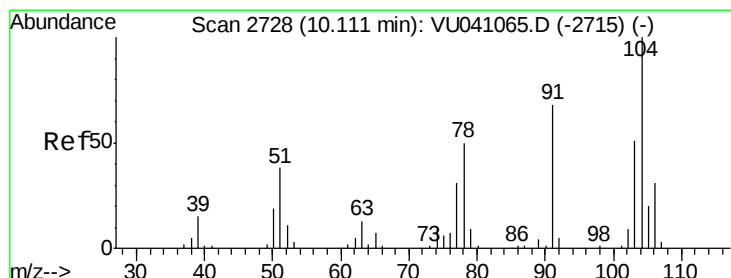
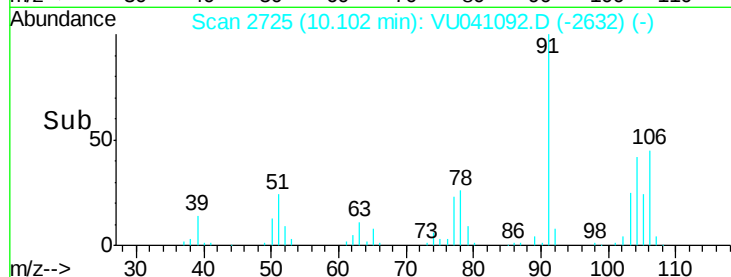
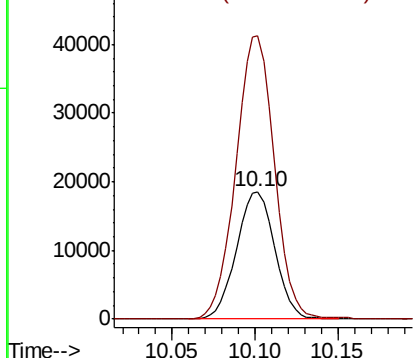
#54
o-Xylene
Concen: 5.515 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 29861
Ion Ratio Lower Upper
106 100
91 222.5 154.3 286.5

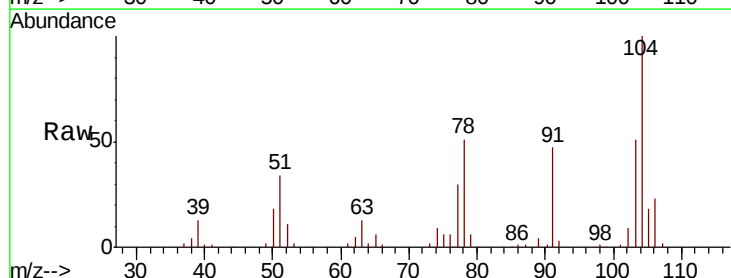


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

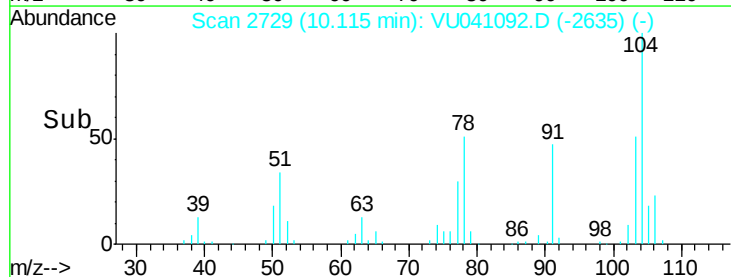
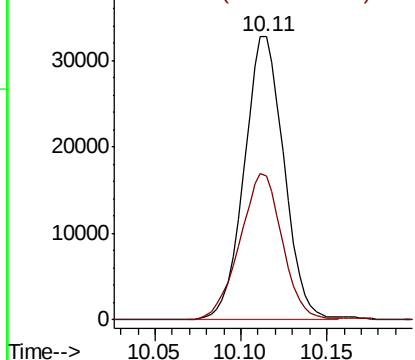


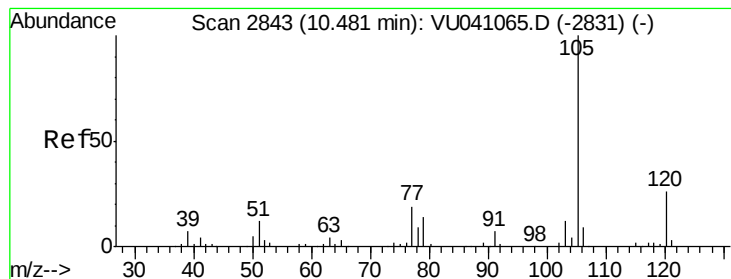
#55
Styrene
Concen: 5.445 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041092.D
Acq: 04 Nov 2020 09:57

Tgt Ion:104 Resp: 52527
Ion Ratio Lower Upper
104 100
78 51.0 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: 5.530 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

ClientSampleId :

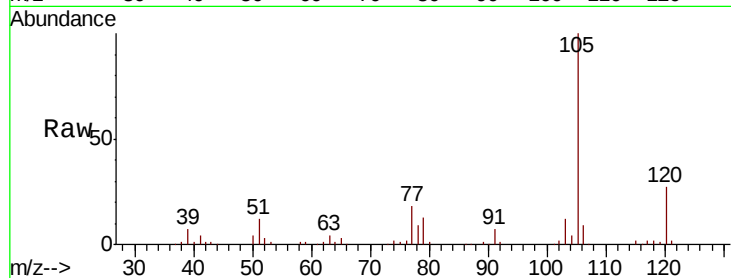
Tot Ion:105 Resp: 80505

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

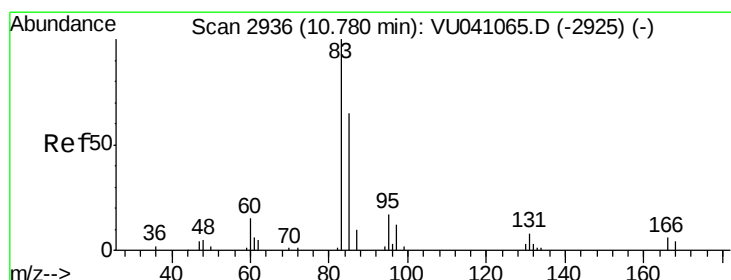
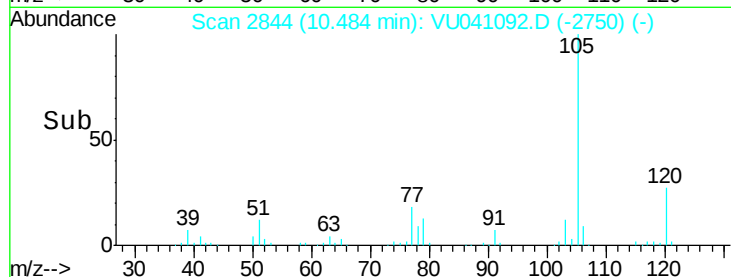
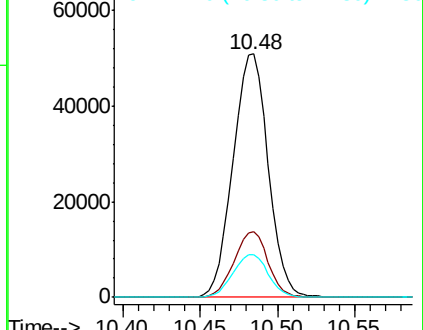
77 17.5 13.8 20.6



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: 5.833 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

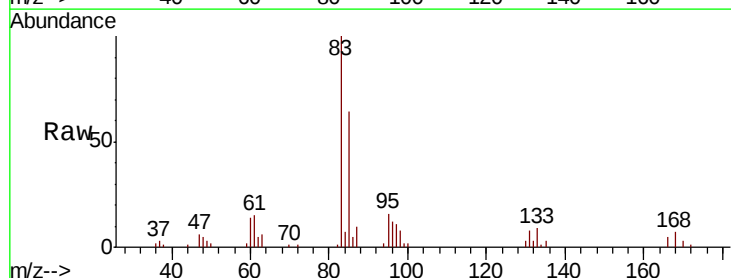
Tgt Ion: 83 Resp: 23044

Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.4

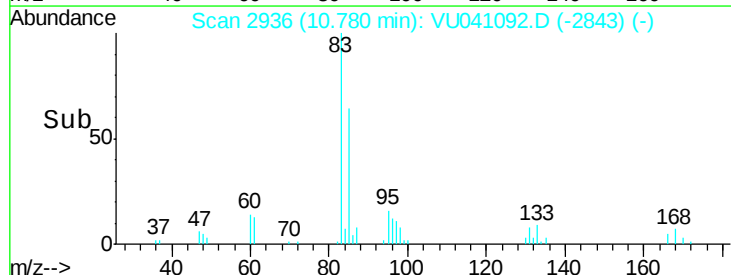
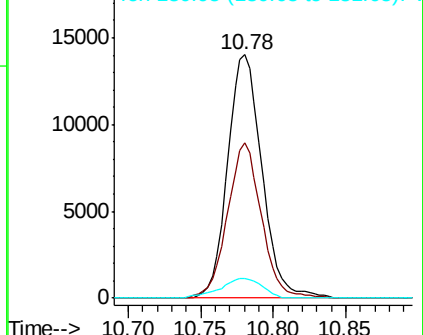
131 8.0 7.7 11.5

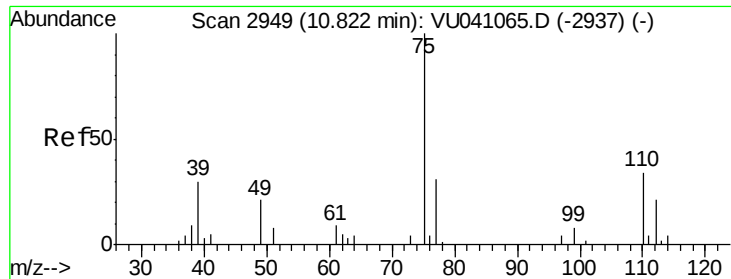


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.950 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

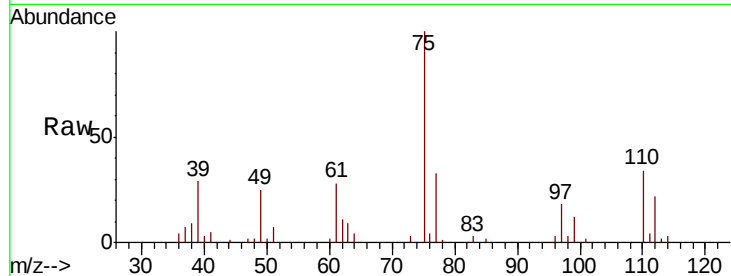
ClientSampleId :

Tot Ion: 75 Resp: 17918

Ion Ratio Lower Upper

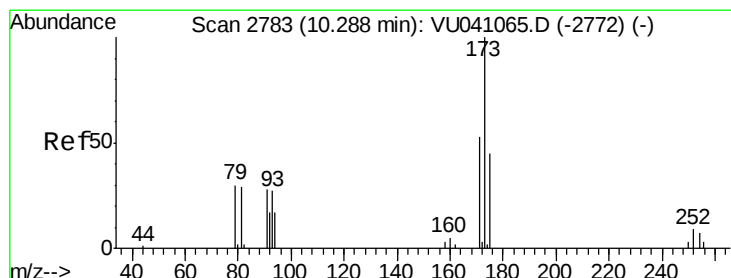
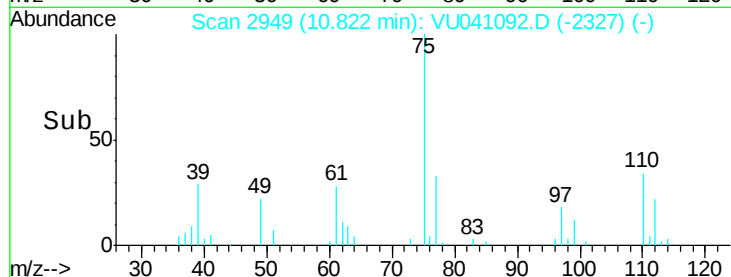
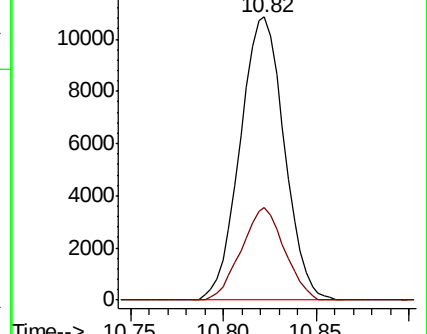
75 100

77 32.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU041065.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041065.D (-2937) (-)



#61

Bromoform

Concen: 5.425 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

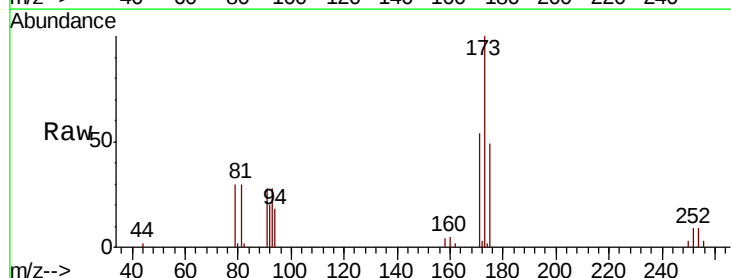
Tgt Ion: 173 Resp: 10700

Ion Ratio Lower Upper

173 100

175 48.9 37.6 56.4

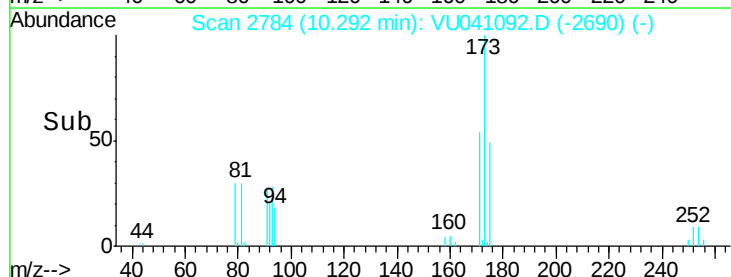
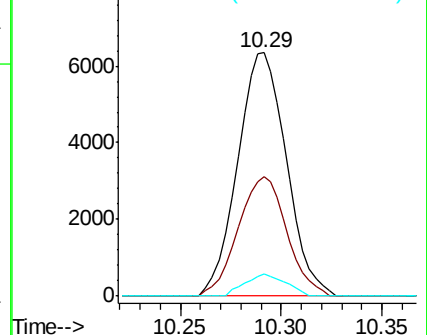
254 7.7 6.6 9.8

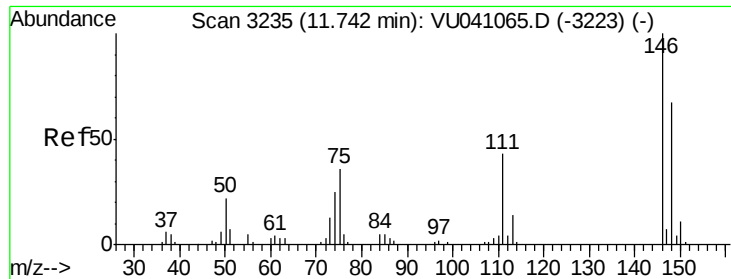


Abundance Ion 172.90 (172.60 to 173.60): VU041065.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041065.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041065.D (-2772) (-)

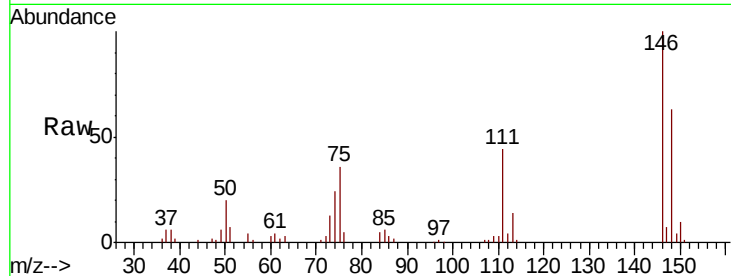




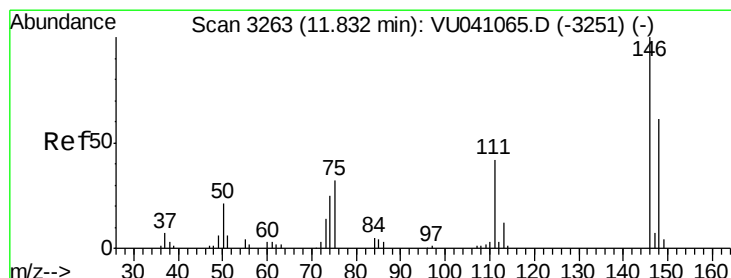
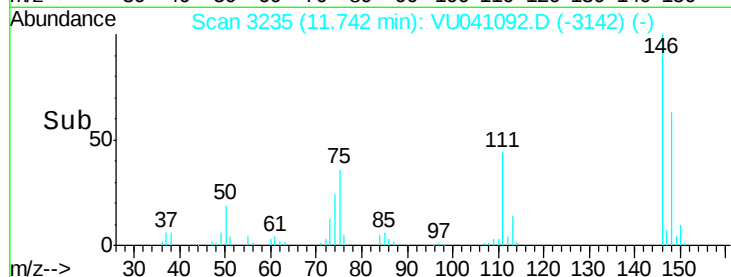
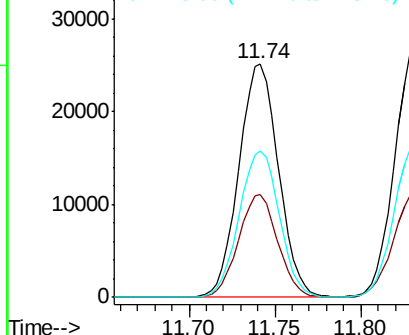
#62
 1,3-Dichlorobenzene
 Concen: 5.444 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 40221
 Ion Ratio Lower Upper
 146 100
 111 44.2 30.9 57.3
 148 62.8 45.8 85.2

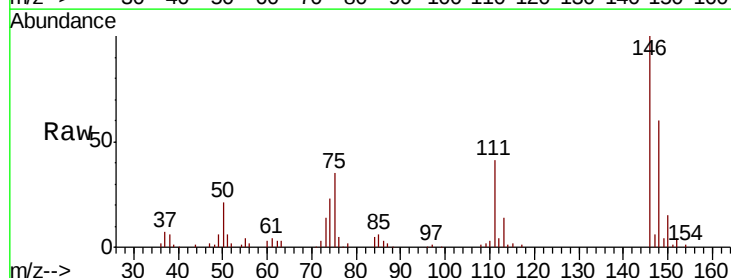


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

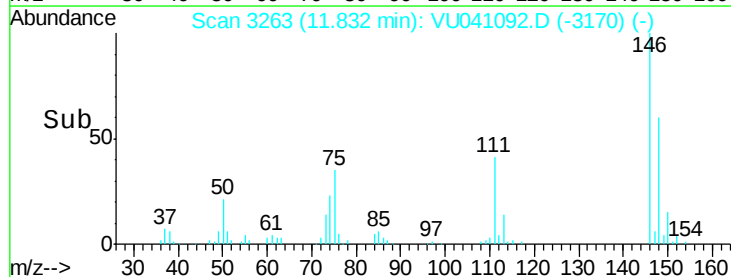
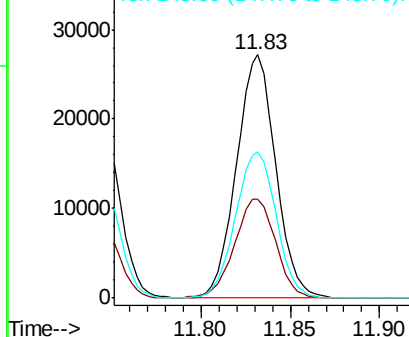


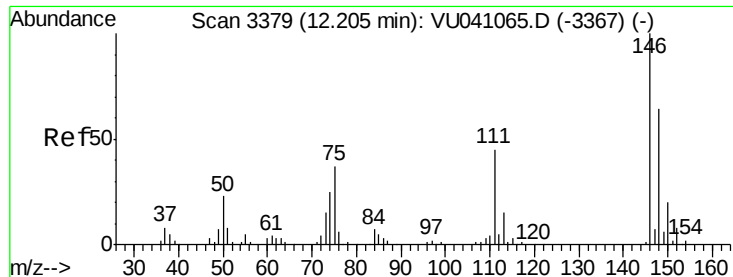
#63
 1,4-Dichlorobenzene
 Concen: 5.434 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Tgt Ion:146 Resp: 41578
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.3 52.7
 148 60.1 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: 5.348 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

ClientSampleId :

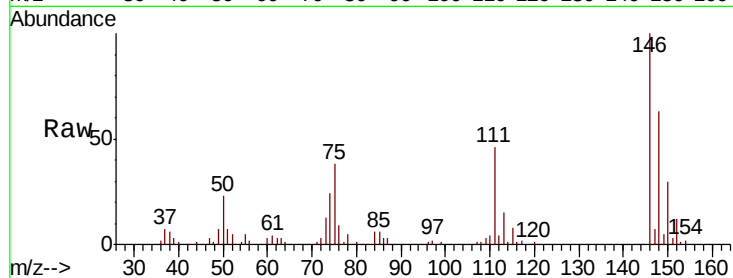
Tot Ion:146 Resp: 38986

Ion Ratio Lower Upper

146 100

111 45.9 35.0 52.6

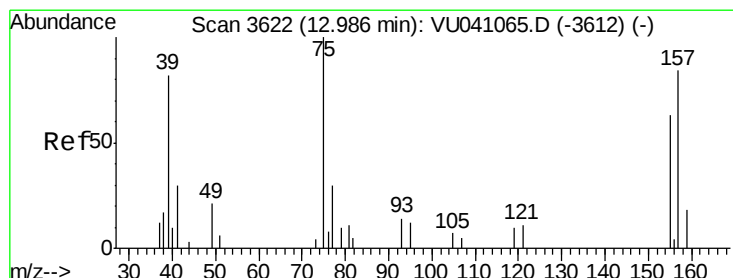
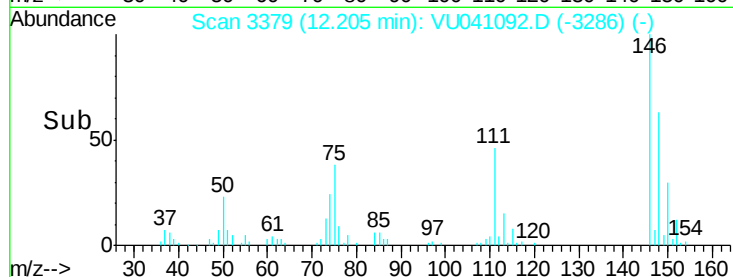
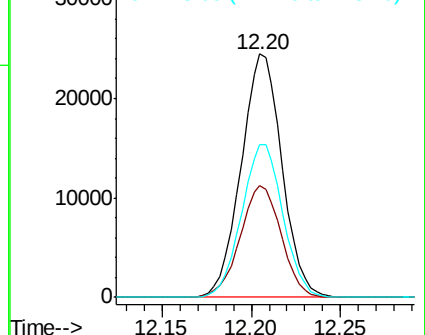
148 62.8 52.0 78.0



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: 5.804 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

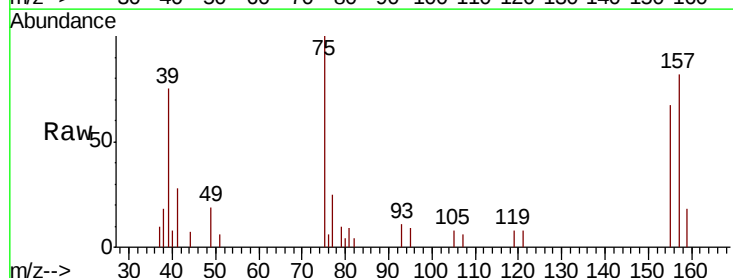
Tgt Ion: 75 Resp: 4147

Ion Ratio Lower Upper

75 100

155 66.8 61.4 92.2

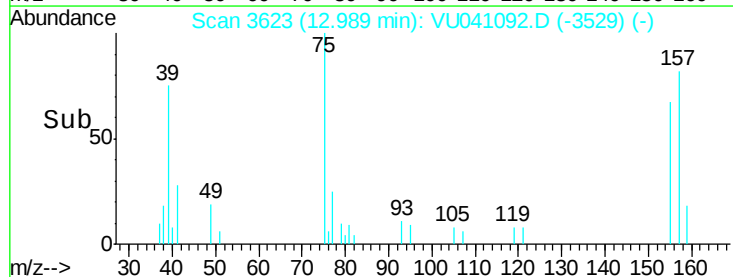
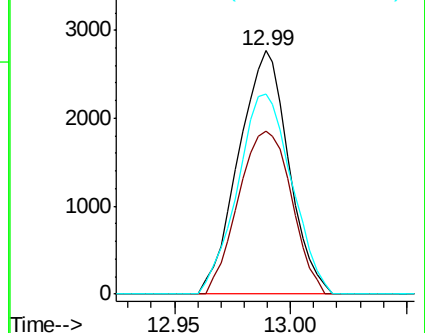
157 82.1 74.2 111.4

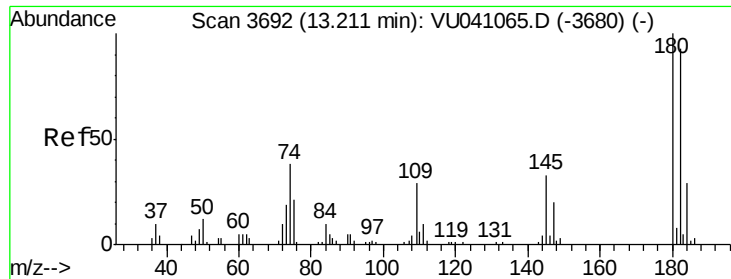


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

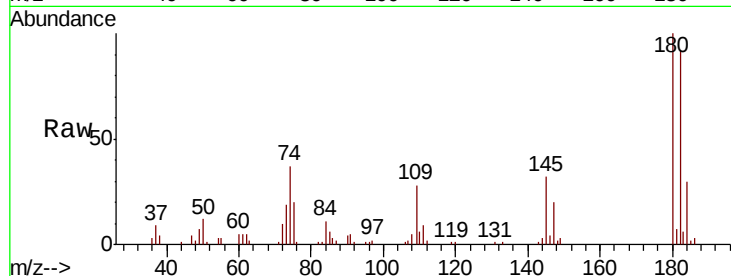




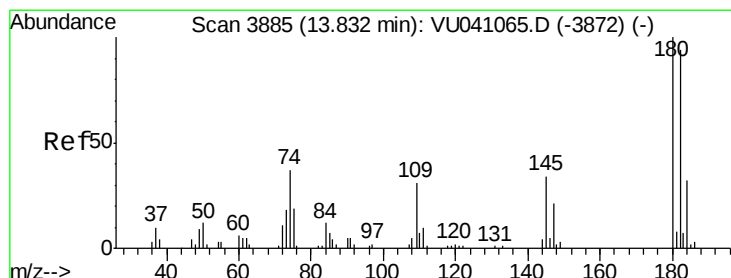
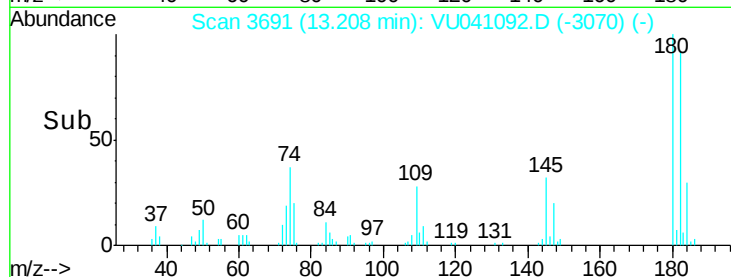
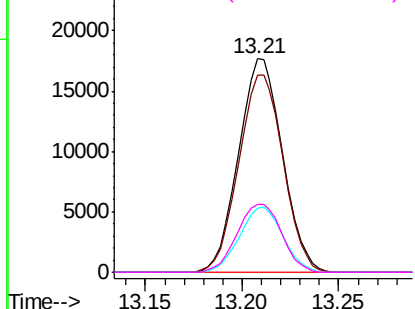
#67
 1,3,5-Trichlorobenzene
 Concen: 5.393 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 27864
 Ion Ratio Lower Upper
 180 100
 182 93.3 75.7 113.5
 184 30.0 23.7 35.5
 145 32.3 26.1 39.1

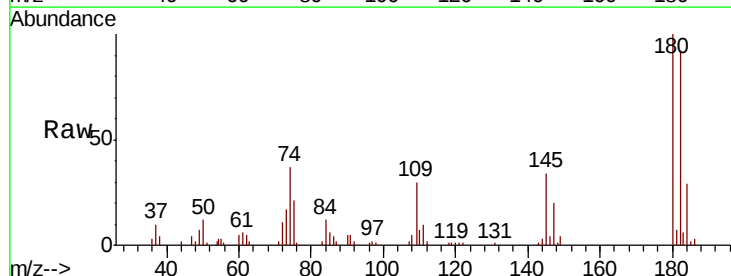


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

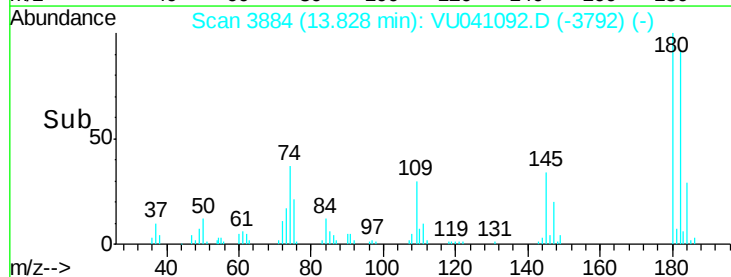
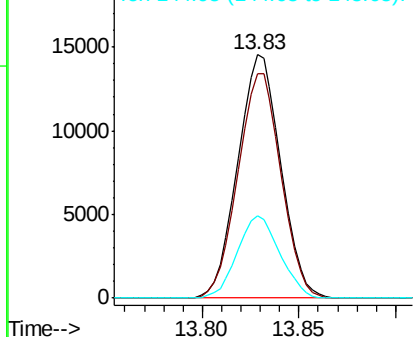


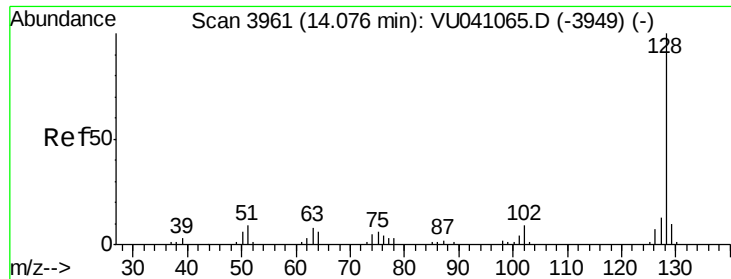
#68
 1,2,4-trichlorobenzene
 Concen: 5.245 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041092.D
 Acq: 04 Nov 2020 09:57

Tgt Ion:180 Resp: 22450
 Ion Ratio Lower Upper
 180 100
 182 92.5 73.5 110.3
 145 33.3 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: 5.151 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

Instrument :

MSVOA_U

ClientSampleId :

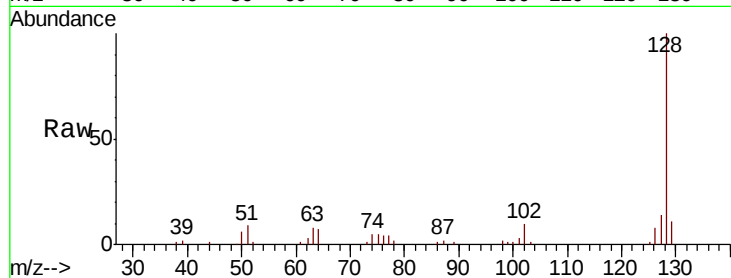
Tot Ion:128 Resp: 39423

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

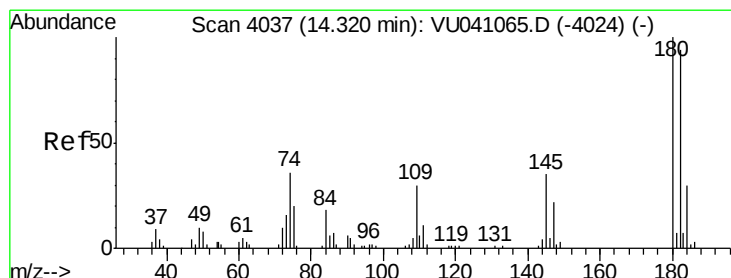
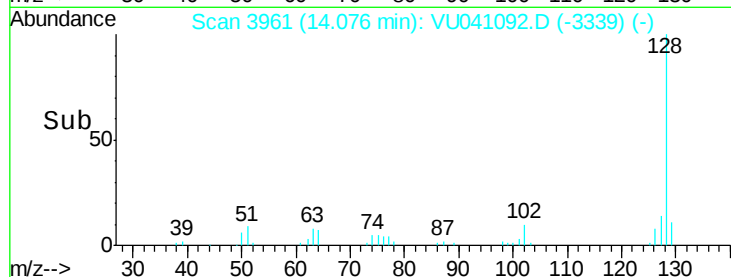
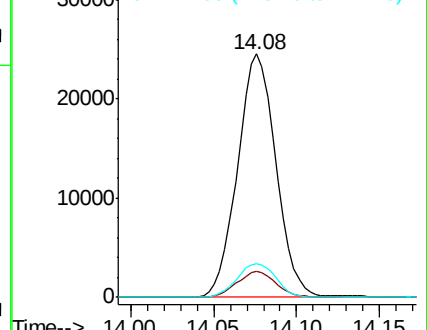
127 13.9 10.8 16.2



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: 5.393 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041092.D

Acq: 04 Nov 2020 09:57

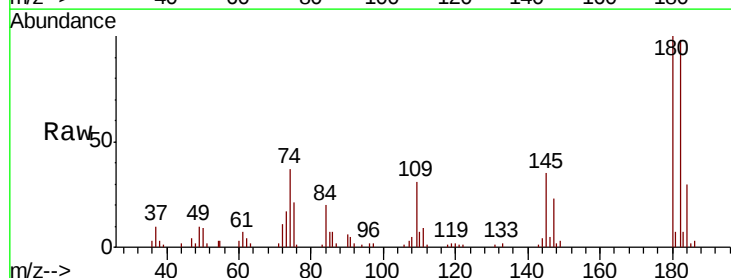
Tgt Ion:180 Resp: 21273

Ion Ratio Lower Upper

180 100

182 96.5 77.7 116.5

145 34.9 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

