

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026427.D
 Acq On : 29 Aug 2018 16:47
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 02:23:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 02:20:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	164659	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	158954	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	84473	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48656	47.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.38%
7) Chloroethane-d5	1.68	69	43705	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.86%
11) 1,1-Dichloroethene-d2	2.27	63	112342	48.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.80%
21) 2-Butanone-d5	4.18	46	77789	98.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.24%
24) Chloroform-d	4.65	84	93947	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
26) 1,2-Dichloroethane-d4	5.31	65	61921	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.54%
32) Benzene-d6	5.34	84	184164	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.54%
36) 1,2-Dichloropropane-d6	6.33	67	62258	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.94%
41) Toluene-d8	7.57	98	181930	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%
43) trans-1,3-Dichloropropene-	7.85	79	30080	52.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.68%
47) 2-Hexanone-d5	8.31	63	61218	106.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.06%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	89905	48.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.98%
64) 1,2-Dichlorobenzene-d4	11.86	152	76440	49.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	63884	49.758	ug/L	99
3) Chloromethane	1.33	50	80061	50.502	ug/L	100
5) Vinyl chloride	1.40	62	84904	49.402	ug/L	98
6) Bromomethane	1.62	94	51808	50.848	ug/L	100
8) Chloroethane	1.70	64	51451	49.861	ug/L	98
9) Trichlorofluoromethane	1.88	101	106536	48.748	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	60464	49.584	ug/L	100
12) 1,1-Dichloroethene	2.28	96	57953	49.308	ug/L	95
13) Acetone	2.32	43	62787	91.575	ug/L	100
14) Carbon disulfide	2.48	76	168190	50.567	ug/L	99
15) Methyl Acetate	2.62	43	66127	49.119	ug/L	100
16) Methylene chloride	2.70	84	58576	48.474	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	53429	50.258	ug/L	98
18) Methyl tert-butyl Ether	3.00	73	163337	50.612	ug/L	99
19) 1,1-Dichloroethane	3.45	63	102355	48.999	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	60882	51.122	ug/L	99
22) 2-Butanone	4.26	43	91893	99.711	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026427.D
 Acq On : 29 Aug 2018 16:47
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 02:23:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 02:20:47 2018
 Response via : Initial Calibration

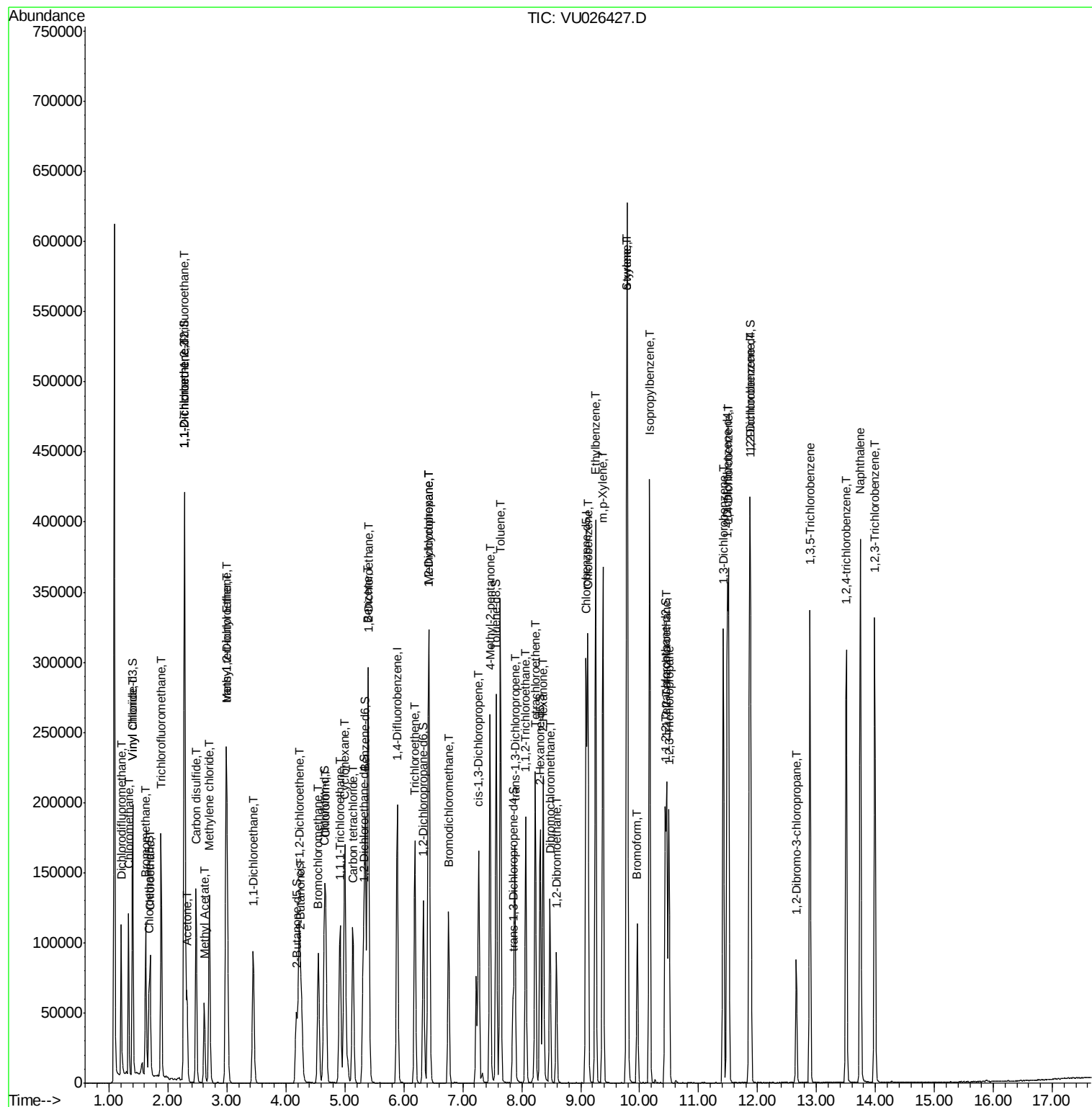
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	31008	50.537	uq/L	97
25) Chloroform	4.67	83	103642	48.583	uq/L	99
27) 1,2-Dichloroethane	5.41	62	85699	49.810	uq/L	100
29) Cyclohexane	5.00	56	90440	52.220	uq/L	99
30) 1,1,1-Trichloroethane	4.92	97	86569	49.491	uq/L	99
31) Carbon tetrachloride	5.14	117	79588	50.076	uq/L	100
33) Benzene	5.39	78	230639	50.612	uq/L	100
34) Trichloroethene	6.19	95	58103	50.832	uq/L	99
35) Methylcyclohexane	6.42	83	96419	54.021	uq/L	99
37) 1,2-Dichloropropane	6.44	63	63037	49.967	uq/L	99
38) Bromodichloromethane	6.76	83	78634	48.878	uq/L	98
39) cis-1,3-Dichloropropene	7.27	75	95409	53.076	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	172014	101.103	uq/L	99
42) Toluene	7.64	91	248057	52.167	uq/L	98
44) trans-1,3-Dichloropropene	7.88	75	91085	53.163	uq/L	100
45) 1,1,2-Trichloroethane	8.07	97	57140	49.441	uq/L	100
46) Tetrachloroethene	8.23	164	48433	51.826	uq/L	98
48) 2-Hexanone	8.36	43	138573	103.415	uq/L	99
49) Dibromochloromethane	8.48	129	65847	50.565	uq/L	98
50) 1,2-Dibromoethane	8.59	107	61677	50.116	uq/L	96
51) Chlorobenzene	9.12	112	160265	50.401	uq/L	99
52) Ethylbenzene	9.25	91	272109	52.616	uq/L	100
53) m,p-Xylene	9.38	106	104320	54.023	uq/L	96
54) o-xylene	9.78	106	101749	54.032	uq/L	97
55) Styrene	9.80	104	177435	53.937	uq/L	100
56) Isopropylbenzene	10.17	105	263603	53.476	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	100294	49.266	uq/L	99
59) 1,2,3-Trichloropropane	10.50	75	77045	48.944	uq/L	98
61) Bromoform	9.96	173	50951	48.870	uq/L	100
62) 1,3-Dichlorobenzene	11.42	146	126767	51.284	uq/L	99
63) 1,4-Dichlorobenzene	11.51	146	132129	50.537	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	131667	50.501	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	20716	47.254	uq/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	105859	53.066	uq/L	99
68) 1,2,4-trichlorobenzene	13.51	180	94807	54.413	uq/L	100
69) Naphthalene	13.74	128	298108	54.798	uq/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	101990	53.310	uq/L	99

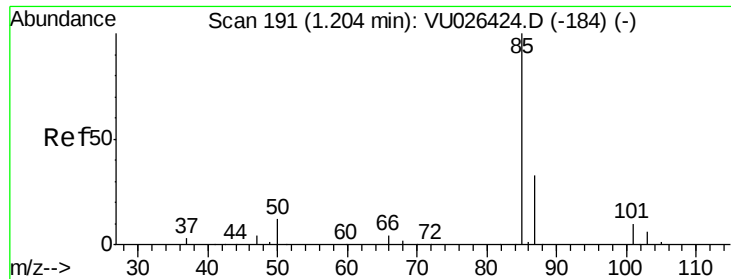
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU082918\
Data File : VU026427.D
Acq On : 29 Aug 2018 16:47
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Aug 30 02:23:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 30 02:20:47 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.758 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

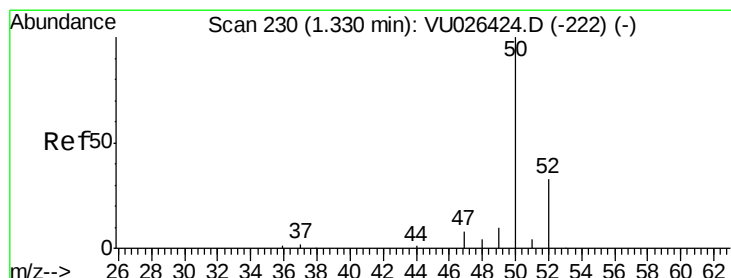
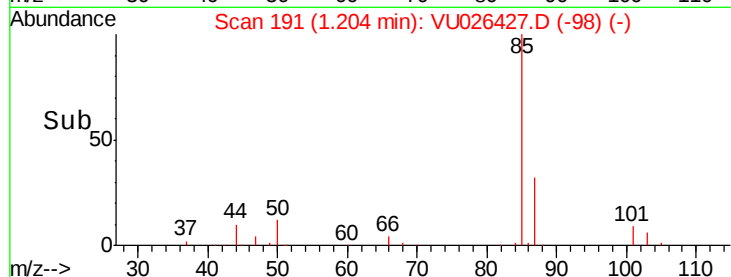
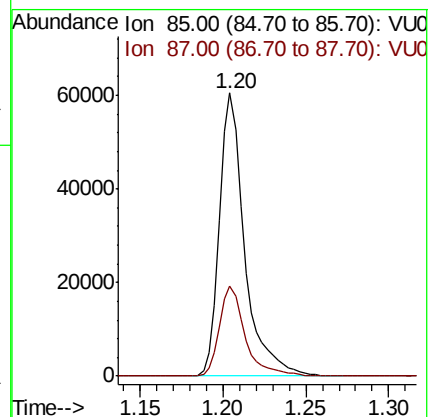
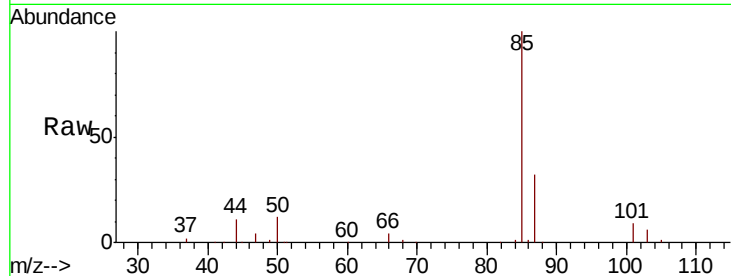
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 63884

Ion Ratio Lower Upper

85 100

87 32.5 26.6 39.8



#3

Chloromethane

Concen: 50.502 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026427.D

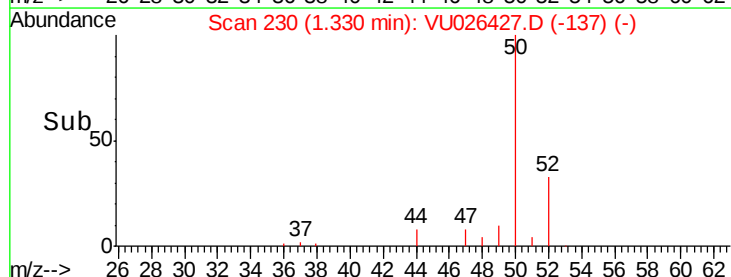
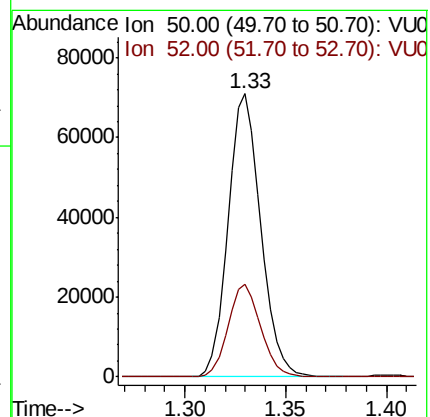
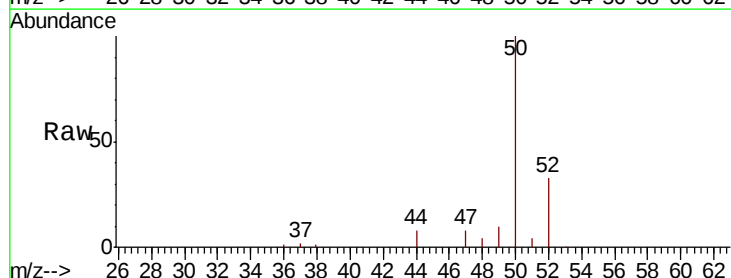
Acq: 29 Aug 2018 16:47

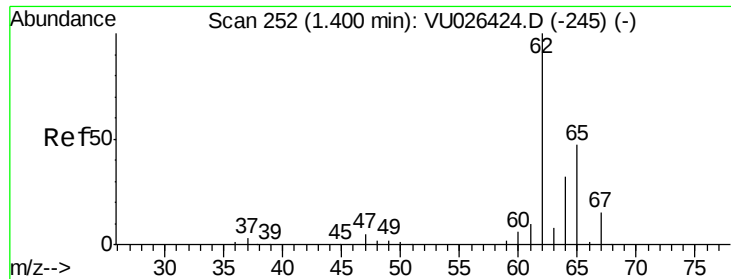
Tgt Ion: 50 Resp: 80061

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.6





#5

Vinyl chloride

Concen: 49.402 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :

MSVOA_U

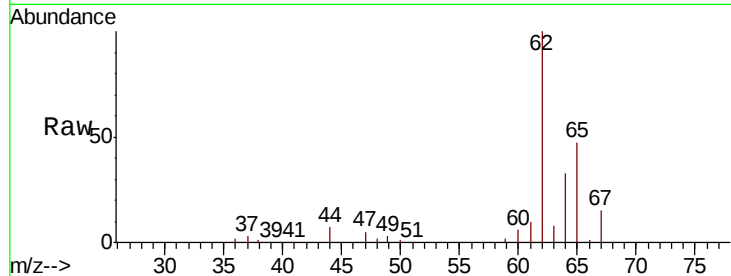
ClientSampleId :

Tot Ion: 62 Resp: 84904

Ion Ratio Lower Upper

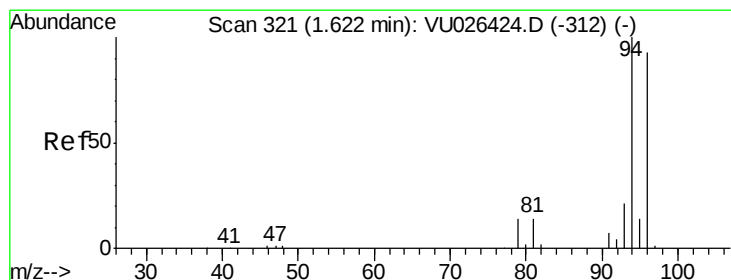
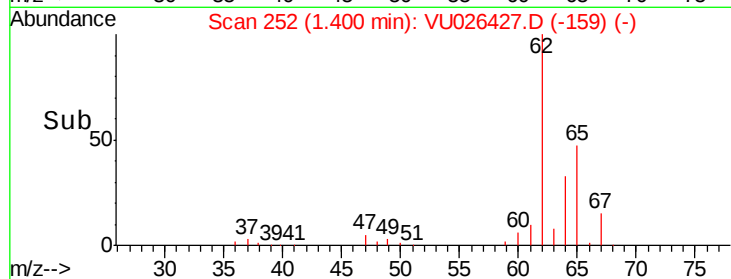
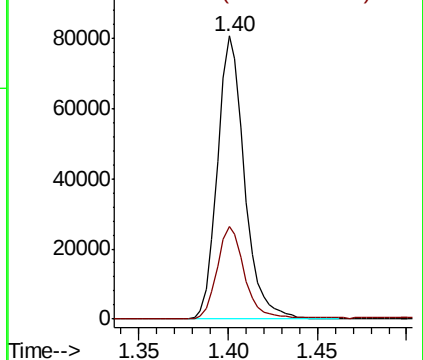
62 100

64 32.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 50.848 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU026427.D

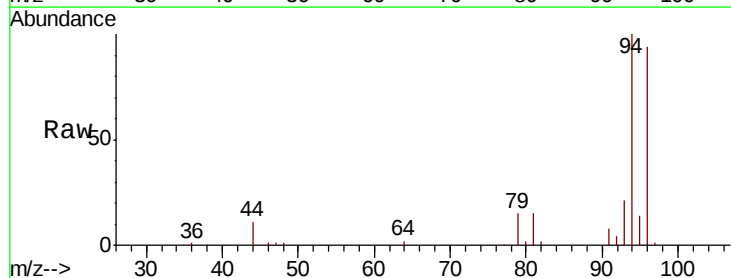
Acq: 29 Aug 2018 16:47

Tgt Ion: 94 Resp: 51808

Ion Ratio Lower Upper

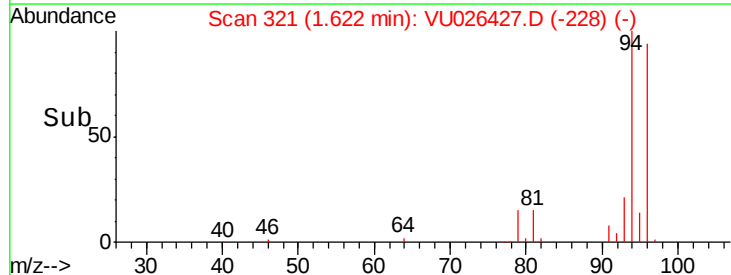
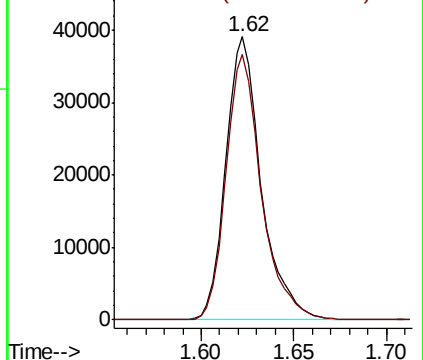
94 100

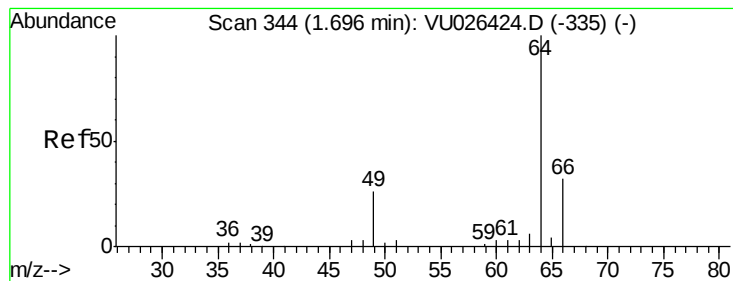
96 93.6 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 49.861 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

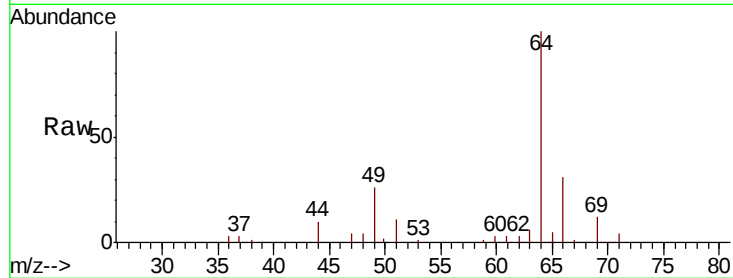
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 51451

Ion Ratio Lower Upper

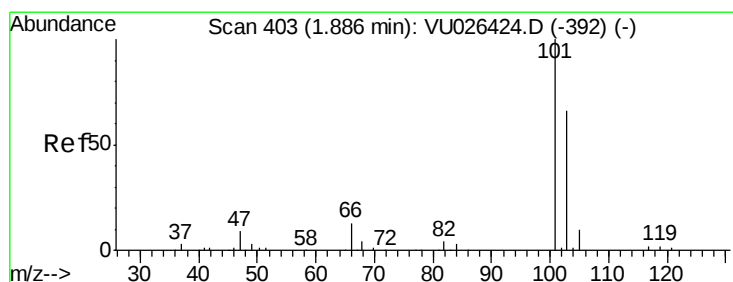
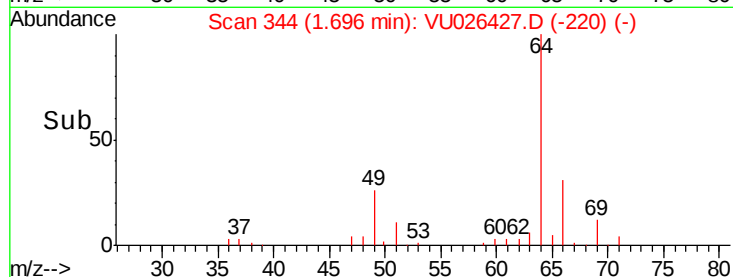
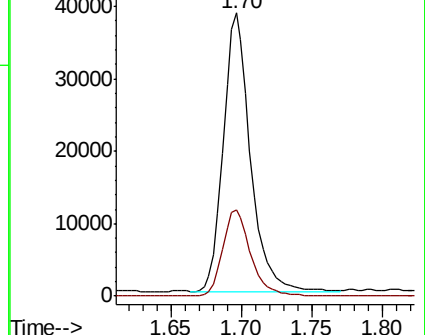
64 100

66 30.6 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026427.D (-220) (-)

Ion 66.00 (65.70 to 66.70): VU026427.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 48.748 ug/L

RT: 1.88 min Scan# 402

Delta R.T. -0.00 min

Lab File: VU026427.D

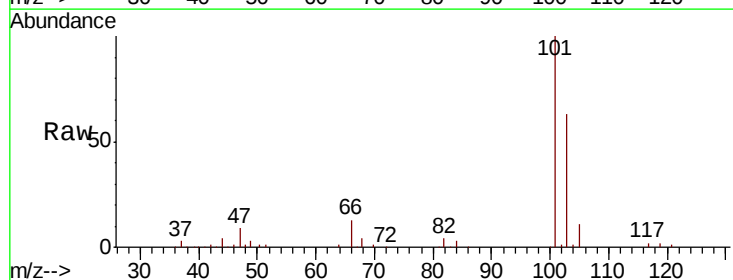
Acq: 29 Aug 2018 16:47

Tgt Ion:101 Resp: 106536

Ion Ratio Lower Upper

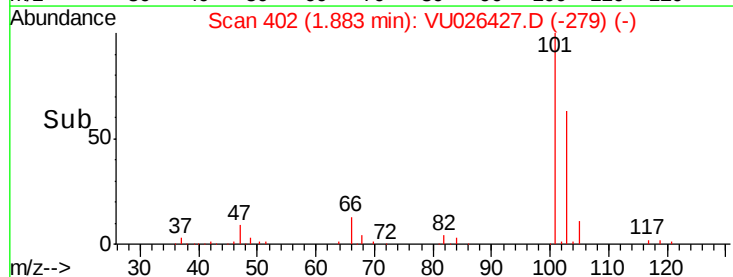
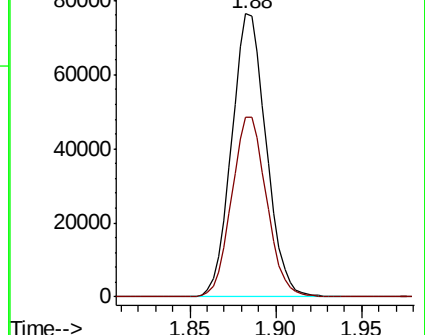
101 100

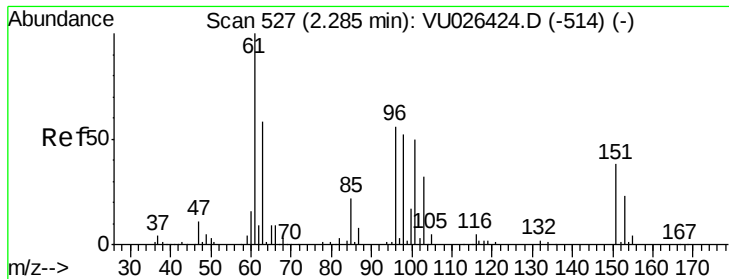
103 64.4 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026427.D (-279) (-)

Ion 103.00 (102.70 to 103.70): VU026427.D (-279) (-)





#10

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

Concen: 49.584 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

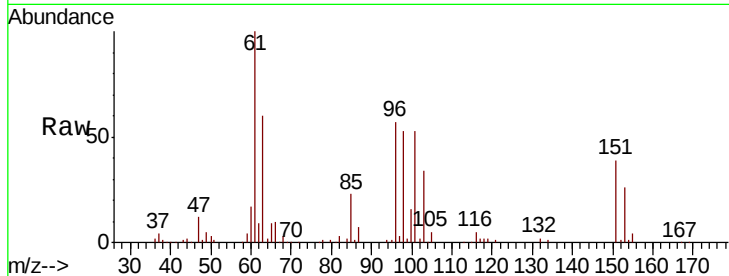
Tot Ion:101 Resp: 60464

Ion Ratio Lower Upper

101 100

85 44.0 35.3 52.9

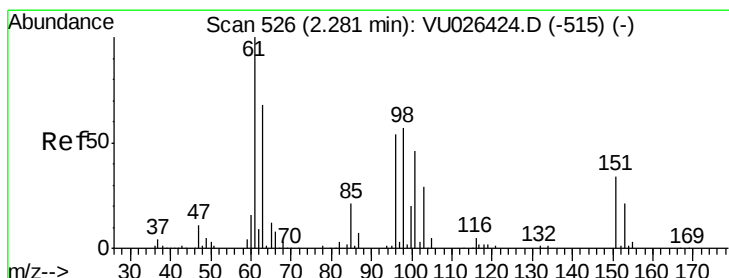
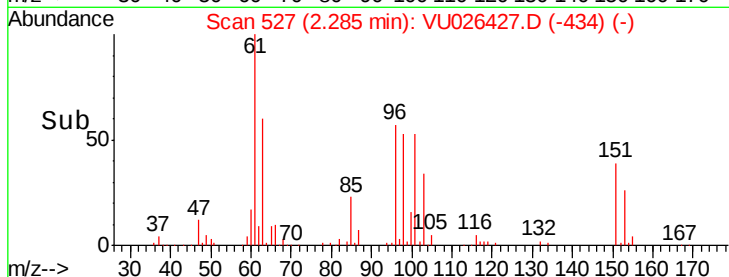
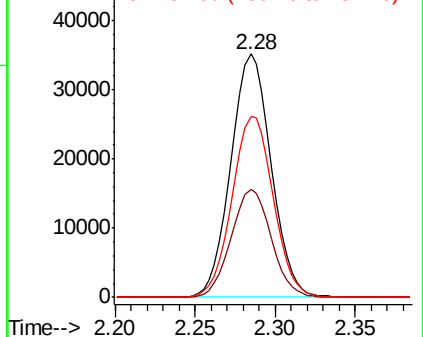
151 75.9 60.7 91.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 49.308 ug/L

RT: 2.28 min Scan# 526

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

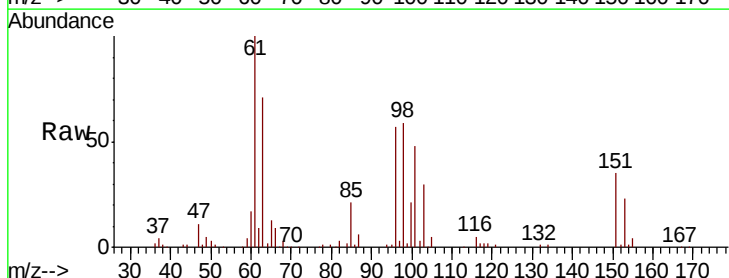
Tgt Ion: 96 Resp: 57953

Ion Ratio Lower Upper

96 100

61 176.9 129.3 240.1

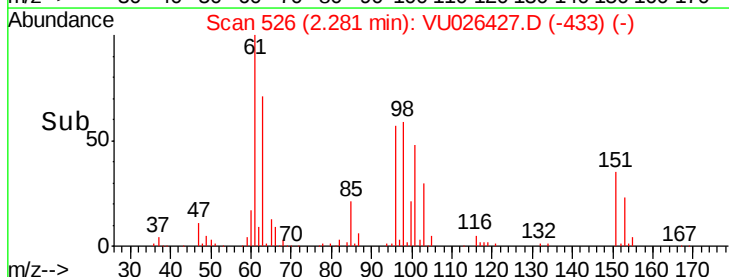
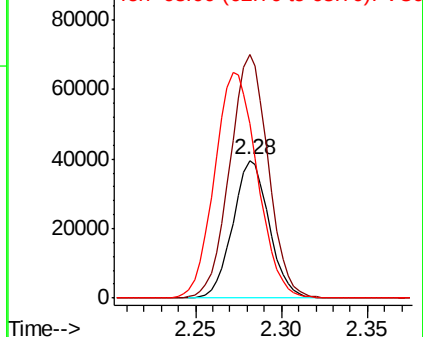
63 126.4 91.7 170.3

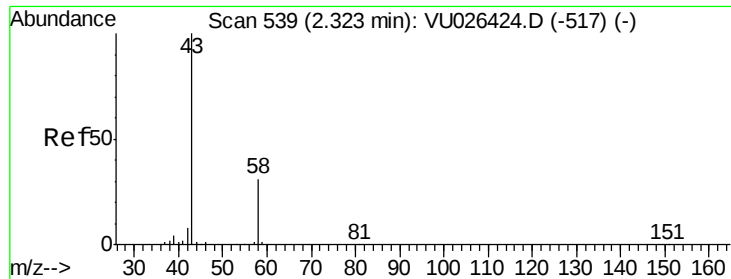


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 91.575 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

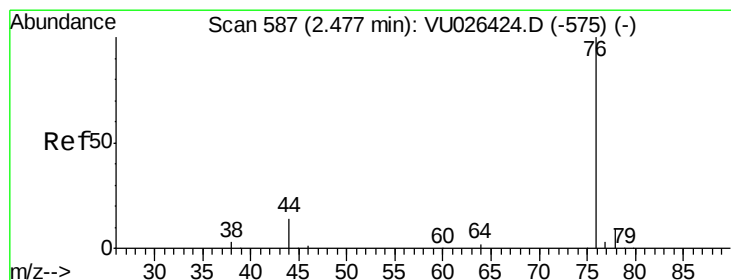
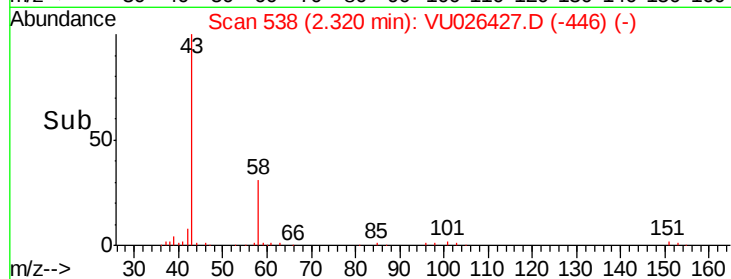
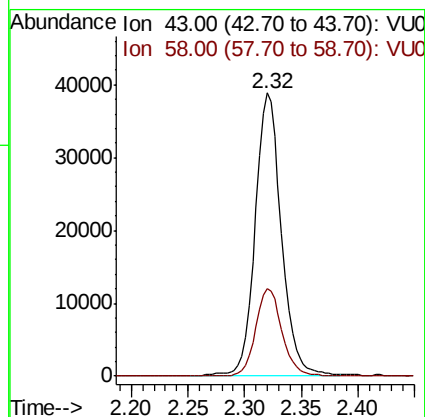
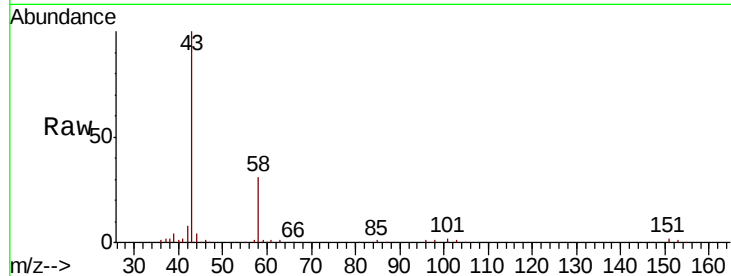
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 62787

Ion Ratio Lower Upper

43 100

58 30.6 0.0 61.2



#14

Carbon disulfide

Concen: 50.567 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026427.D

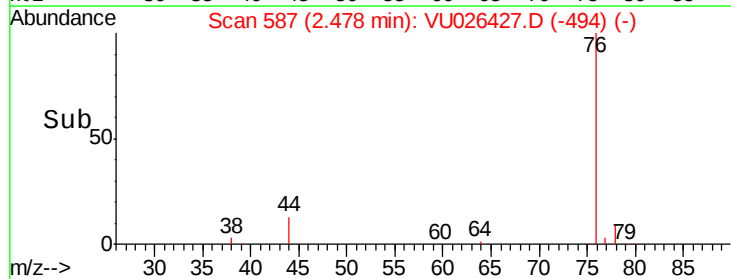
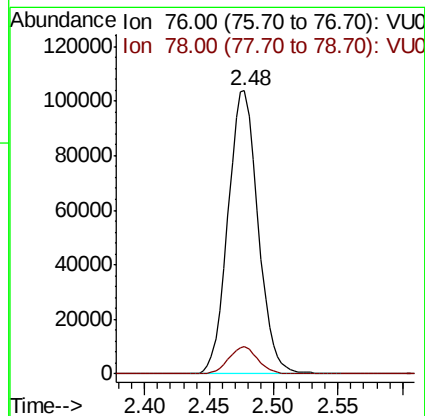
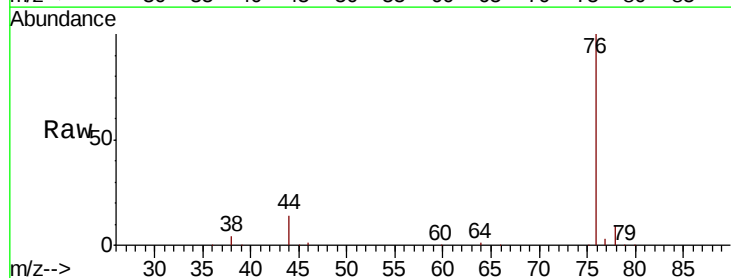
Acq: 29 Aug 2018 16:47

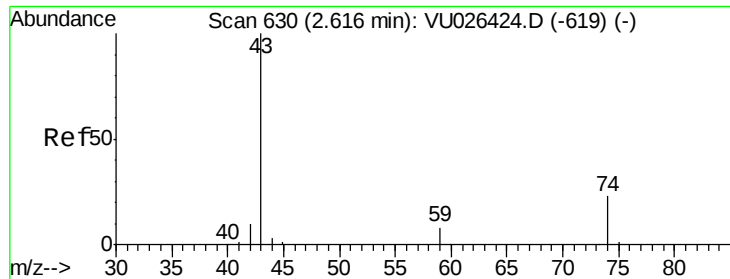
Tgt Ion: 76 Resp: 168190

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

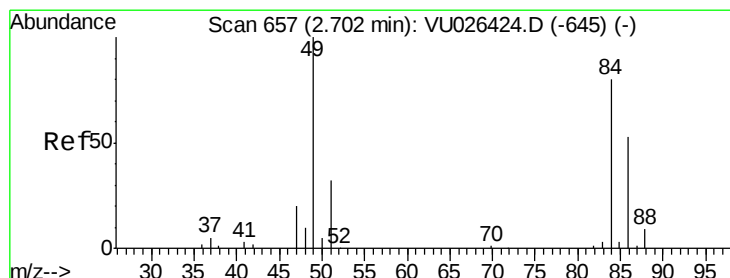
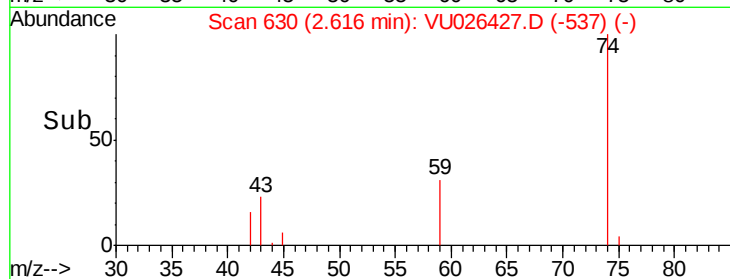
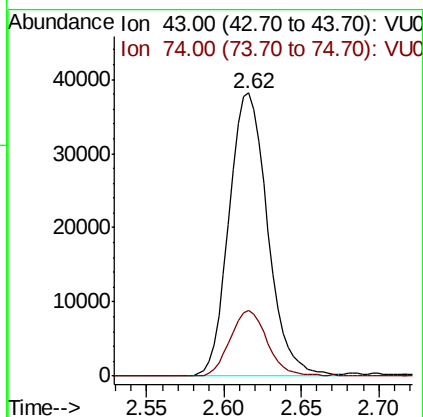
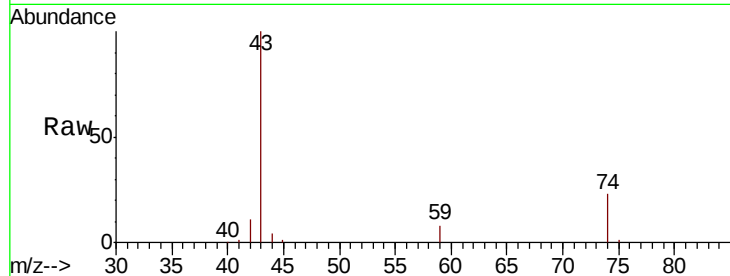




#15
Methvl Acetate
Concen: 49.119 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026427.D
Acq: 29 Aug 2018 16:47

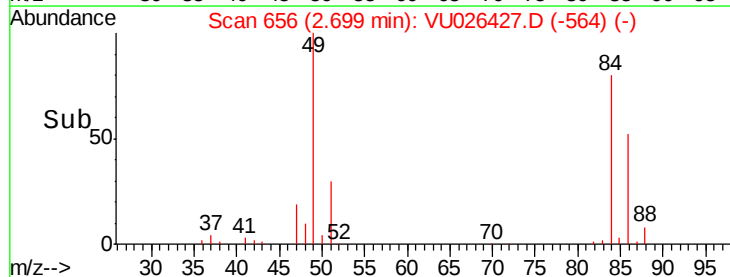
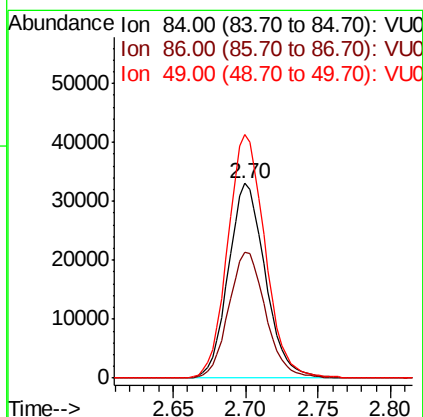
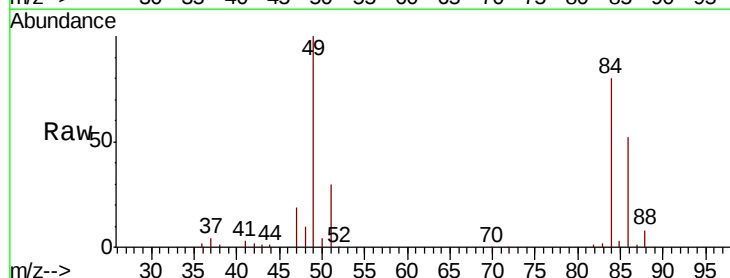
Instrument :
MSVOA_U
ClientSampled :

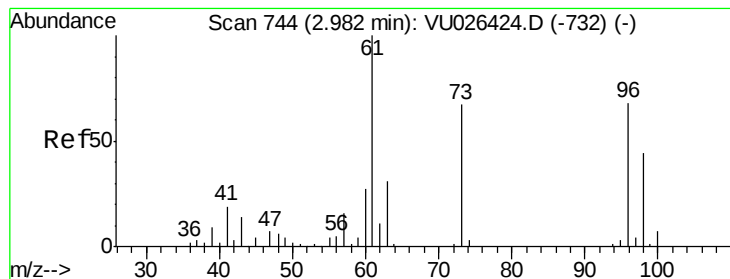
Tot Ion: 43 Resp: 66127
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.6



#16
Methylene chloride
Concen: 48.474 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU026427.D
Acq: 29 Aug 2018 16:47

Tgt Ion: 84 Resp: 58576
Ion Ratio Lower Upper
84 100
86 64.8 46.2 85.8
49 125.2 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 50.258 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :
MSVOA_U
ClientSampled :

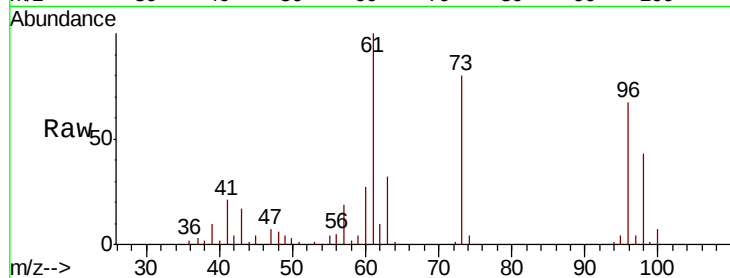
Tot Ion: 96 Resp: 53429

Ion Ratio Lower Upper

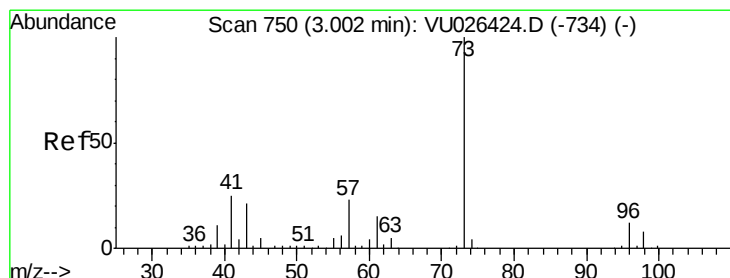
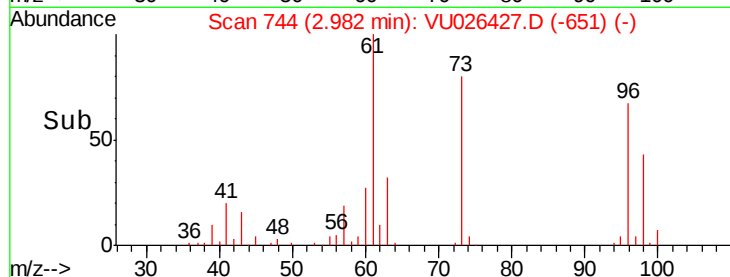
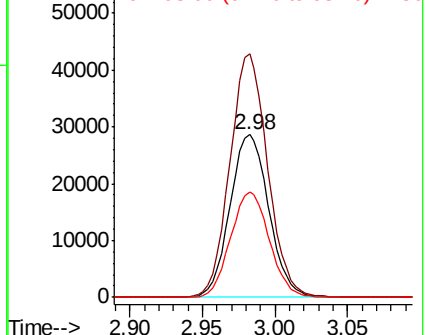
96 100

61 149.5 103.2 191.6

98 65.0 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.612 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

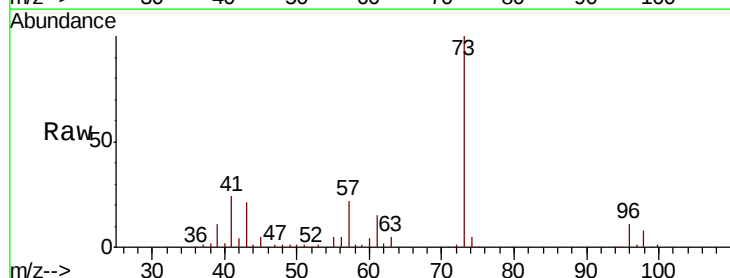
Tgt Ion: 73 Resp: 163337

Ion Ratio Lower Upper

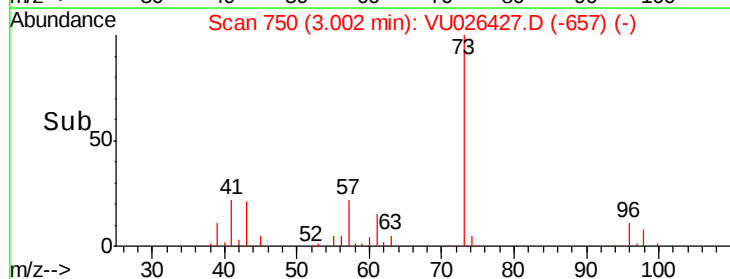
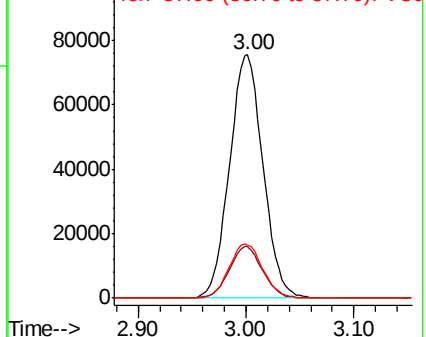
73 100

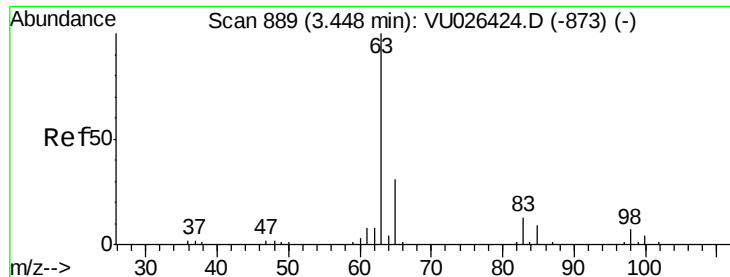
43 21.0 16.6 25.0

57 22.3 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

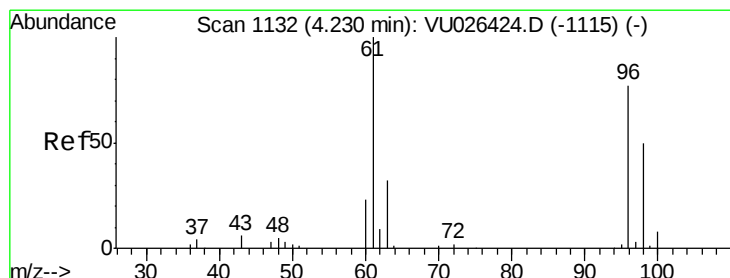
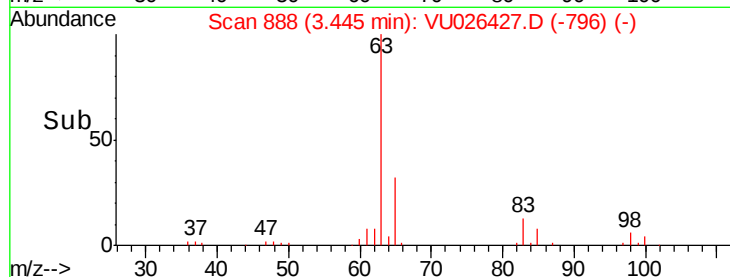
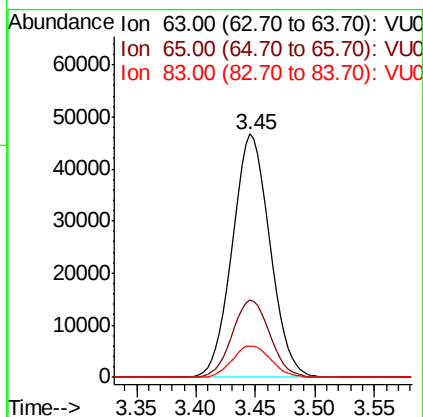
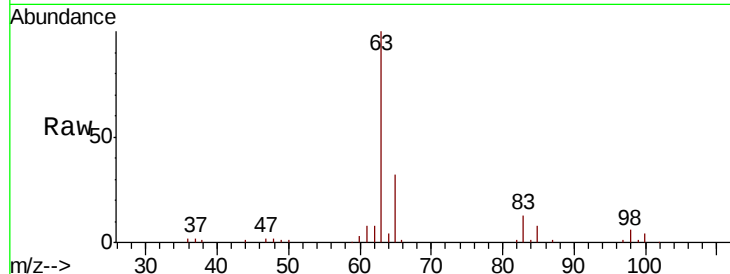




#19
 1,1-Dichloroethane
 Concen: 48.999 ug/L
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

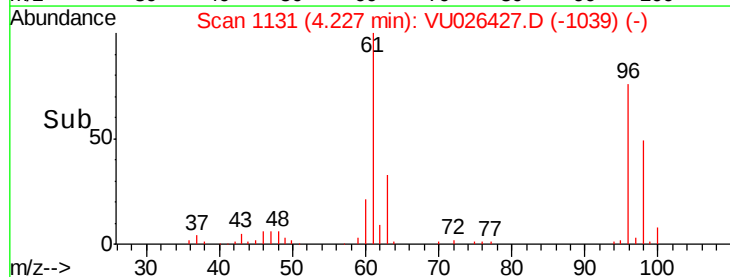
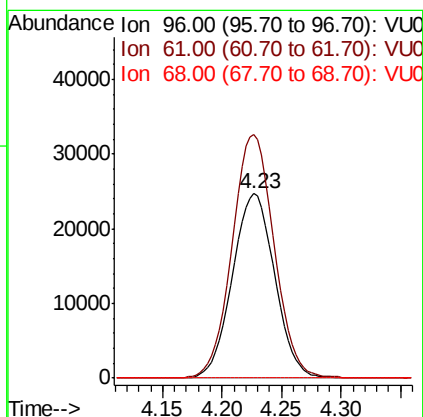
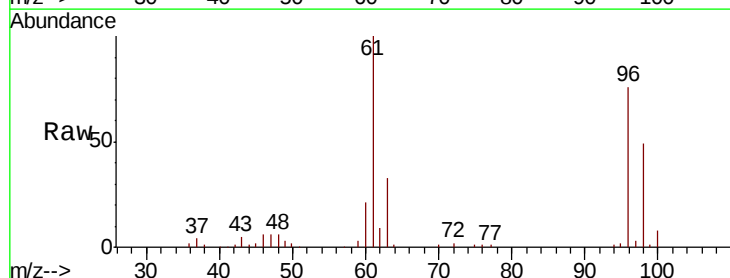
Instrument :
 MSVOA_U
 ClientSampleId :

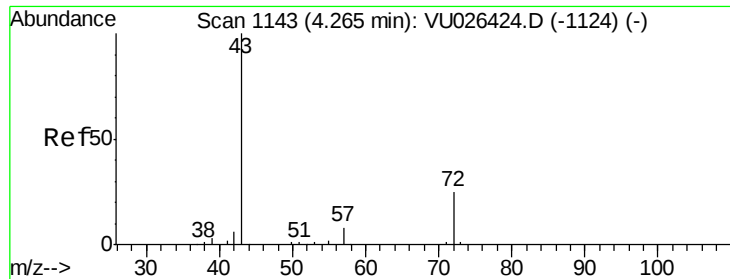
Tot Ion: 63 Resp: 102355
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.6 40.2
 83 13.0 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 51.122 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

Tgt Ion: 96 Resp: 60882
 Ion Ratio Lower Upper
 96 100
 61 132.0 91.6 170.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 99.711 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

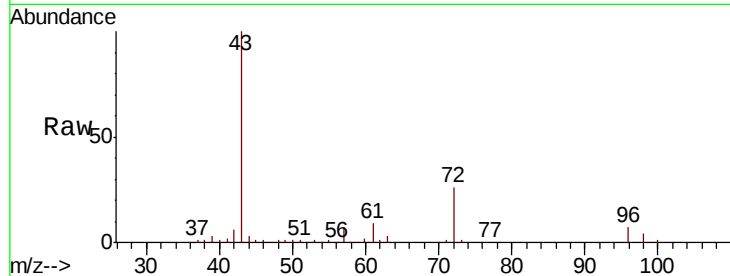
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 91893

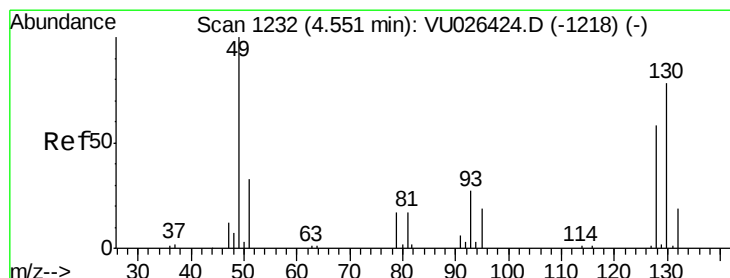
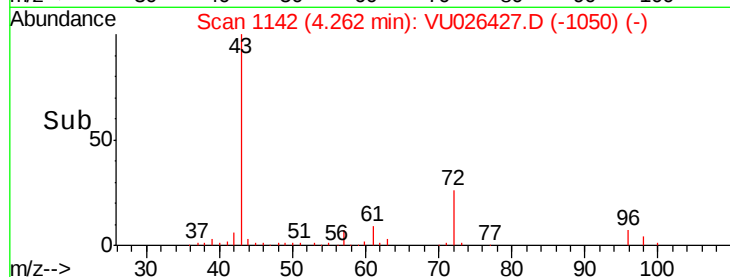
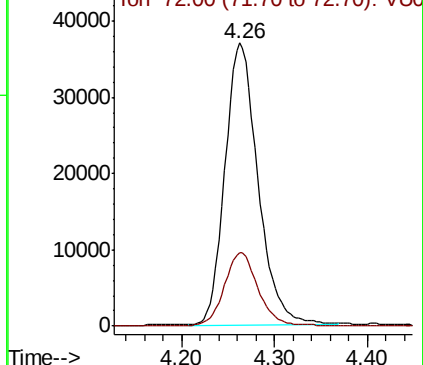
Ion Ratio Lower Upper

43 100

72 26.3 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026427.D (-1050) (-)



#23

Bromochloromethane

Concen: 50.537 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Tgt Ion:128 Resp: 31008

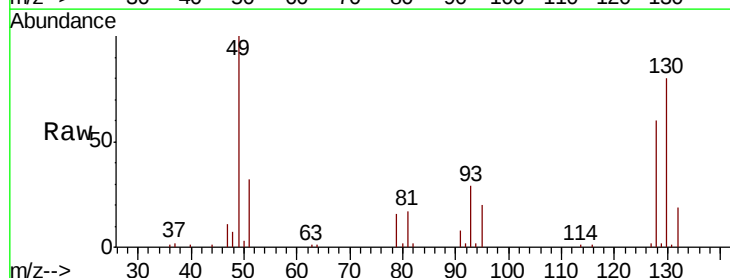
Ion Ratio Lower Upper

128 100

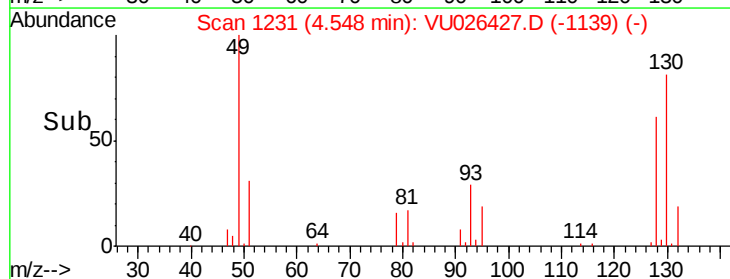
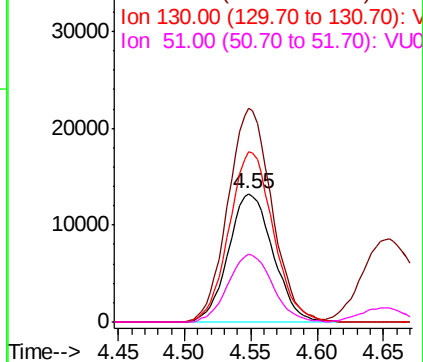
49 166.8 121.2 225.0

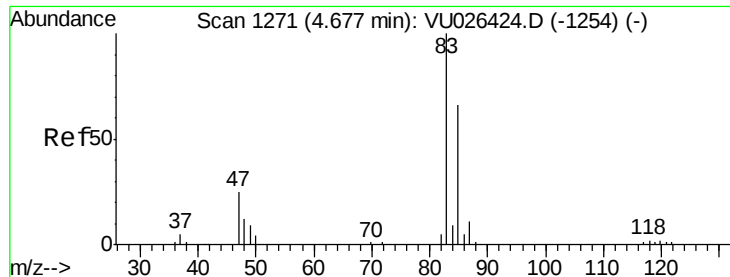
130 132.7 94.1 174.7

51 52.9 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026427.D (-1139) (-)

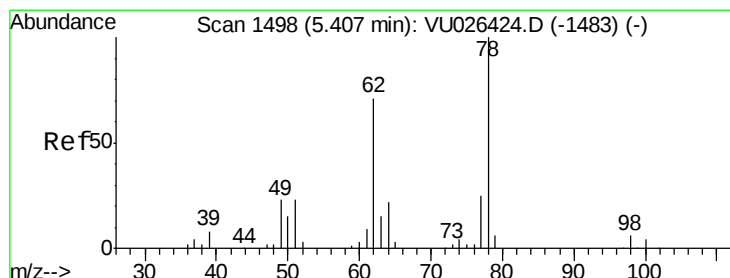
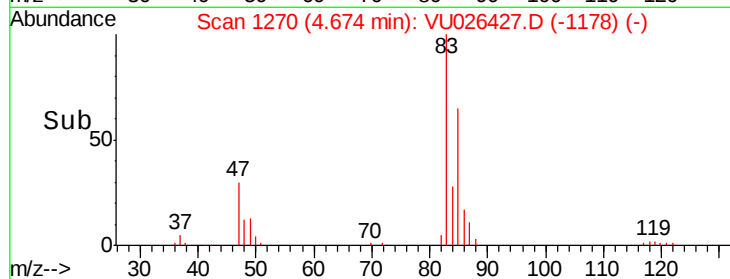
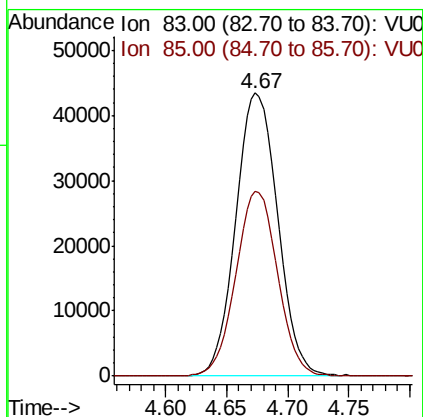
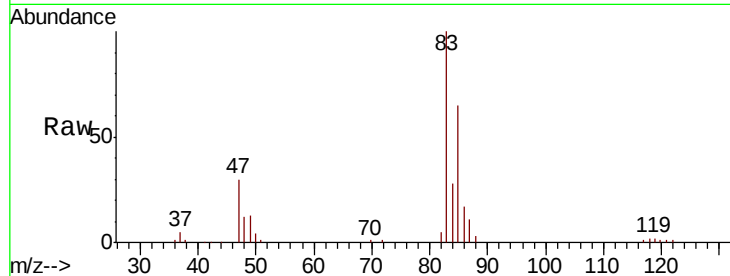




#25
Chloroform
Concen: 48.583 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026427.D
Acq: 29 Aug 2018 16:47

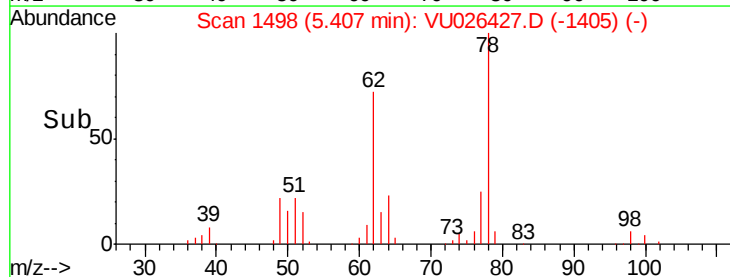
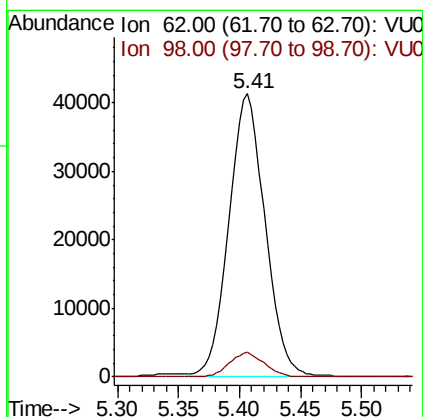
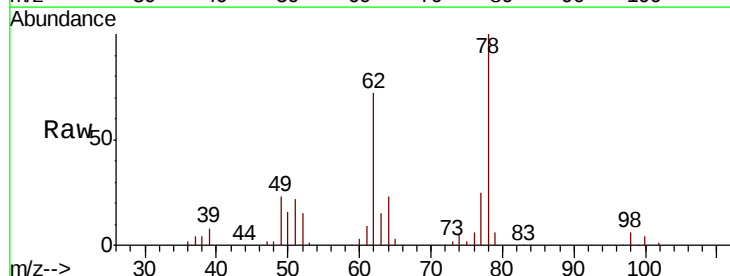
Instrument :
MSVOA_U
ClientSampleId :

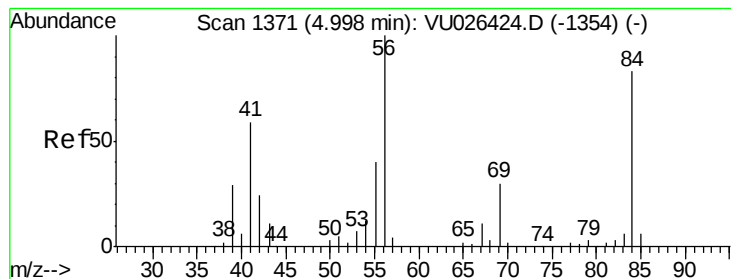
Tot Ion: 83 Resp: 103642
Ion Ratio Lower Upper
83 100
85 65.3 46.5 86.5



#27
1,2-Dichloroethane
Concen: 49.810 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026427.D
Acq: 29 Aug 2018 16:47

Tgt Ion: 62 Resp: 85699
Ion Ratio Lower Upper
62 100
98 8.6 6.8 10.2





#29

Cyclohexane

Concen: 52.220 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :
MSVOA_U
ClientSampled :

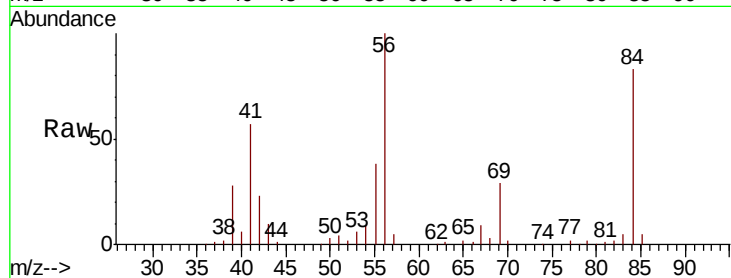
Tot Ion: 56 Resp: 90440

Ion Ratio Lower Upper

56 100

69 28.7 24.0 36.0

84 84.3 67.2 100.8

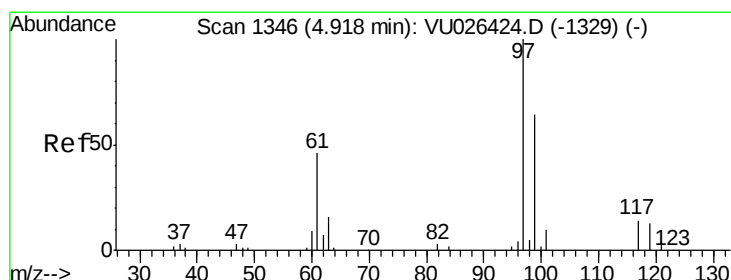
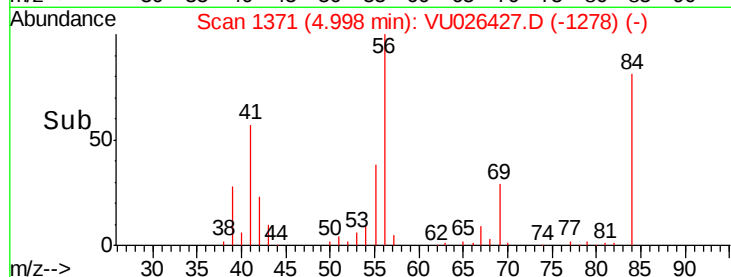
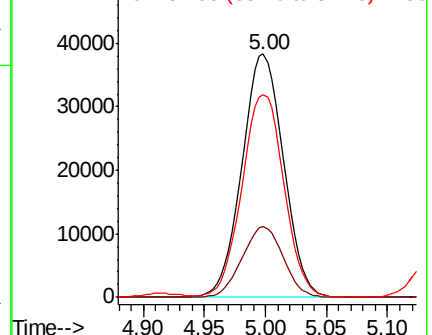


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 49.491 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

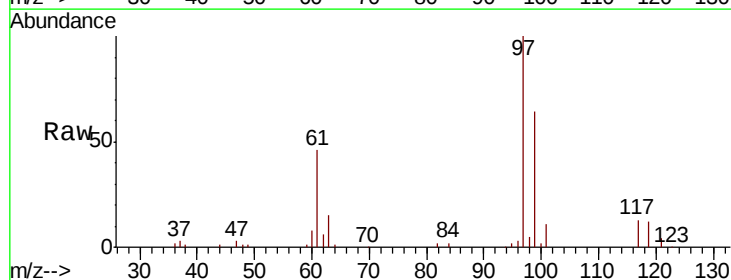
Tgt Ion: 97 Resp: 86569

Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 46.2 37.9 56.9

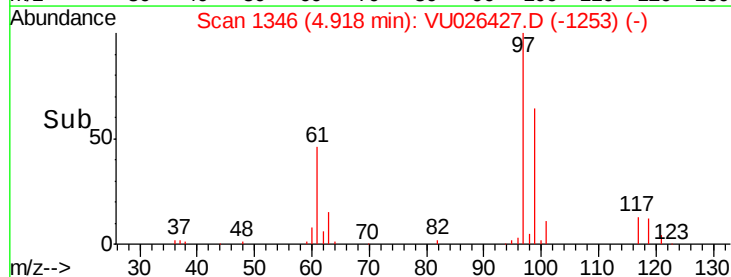
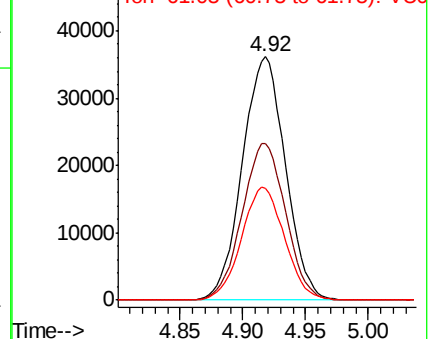


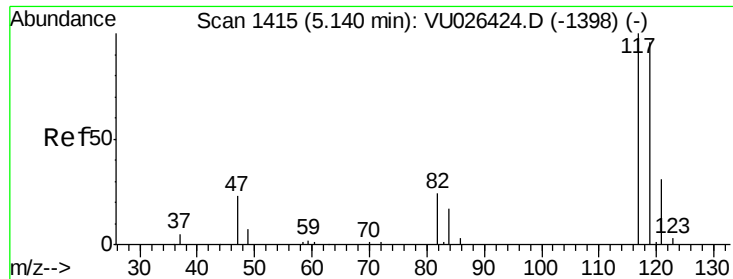
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 50.076 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :

MSVOA_U

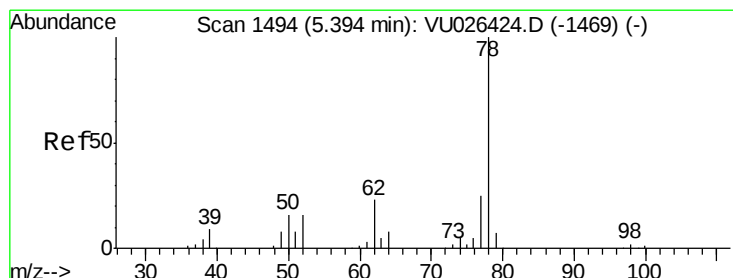
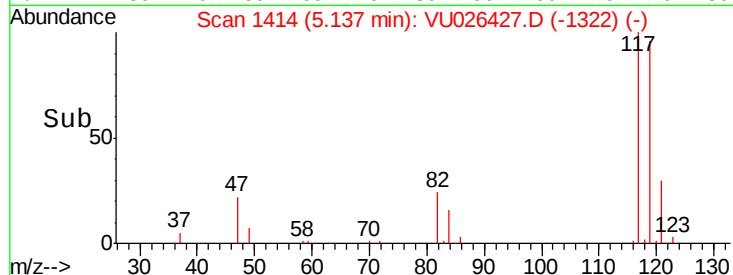
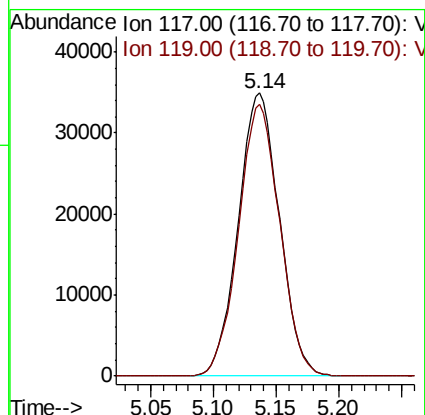
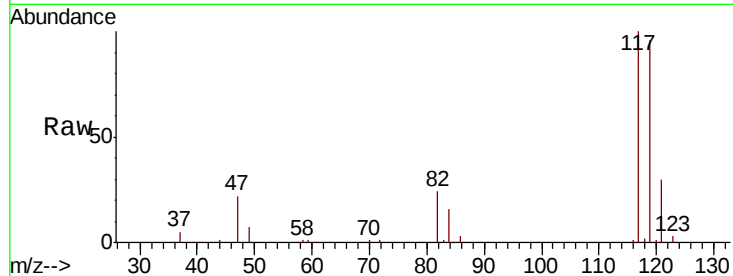
ClientSampleId :

Tot Ion:117 Resp: 79588

Ion Ratio Lower Upper

117 100

119 95.9 76.4 114.6



#33

Benzene

Concen: 50.612 ug/L

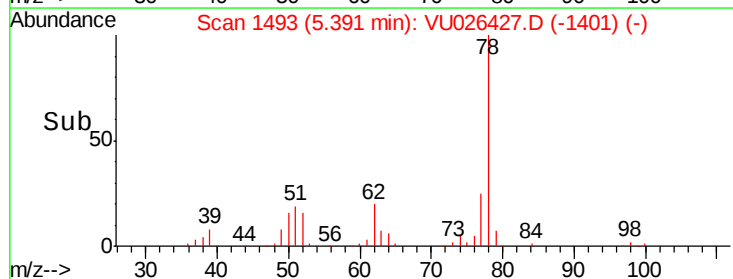
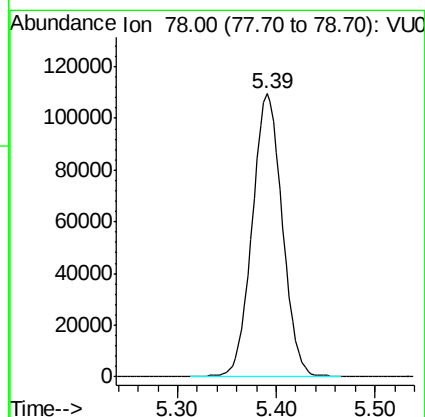
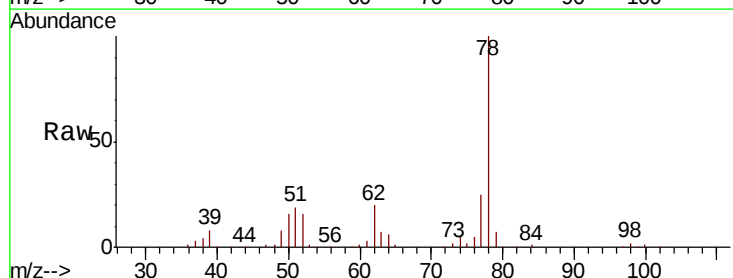
RT: 5.39 min Scan# 1493

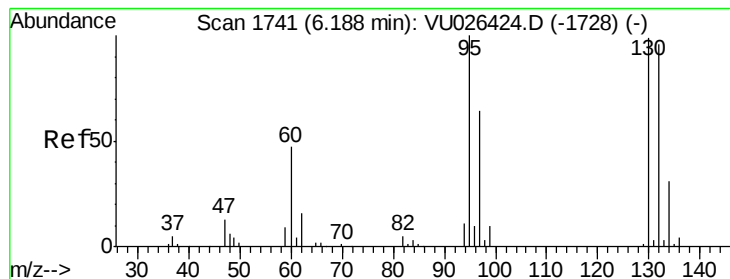
Delta R.T. -0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Tgt Ion: 78 Resp: 230639





#34

Trichloroethene

Concen: 50.832 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 58103

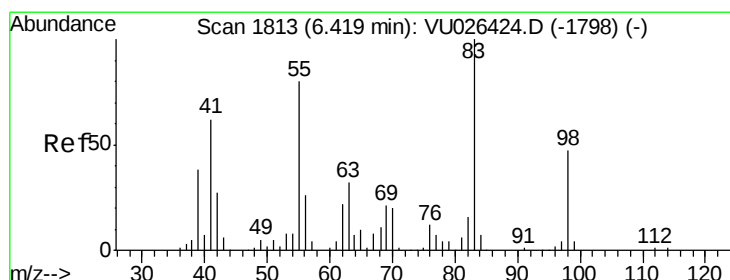
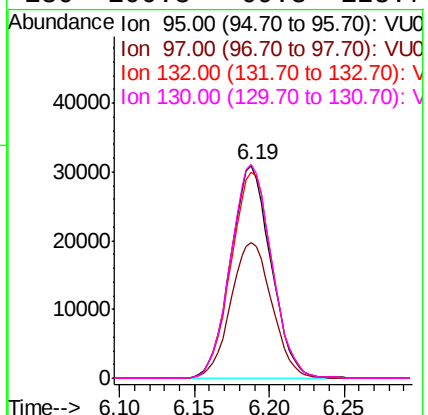
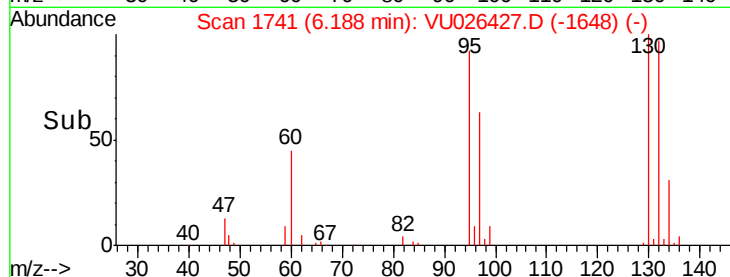
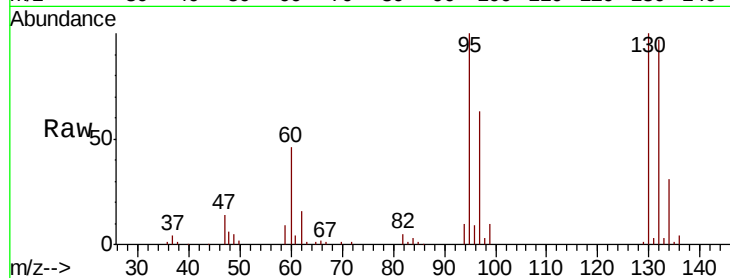
Ion Ratio Lower Upper

95 100

97 63.6 45.1 83.7

132 97.1 67.5 125.3

130 100.3 69.3 128.7



#35

Methylcyclohexane

Concen: 54.021 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

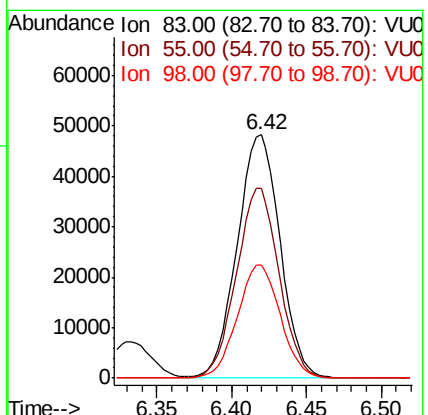
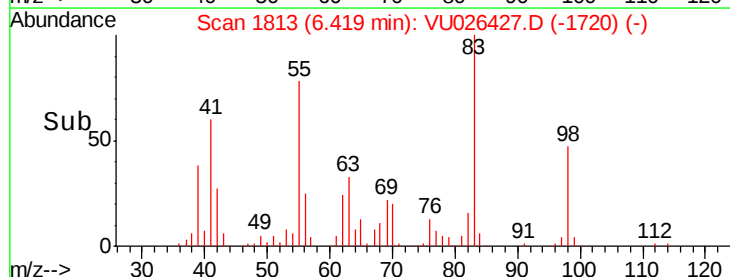
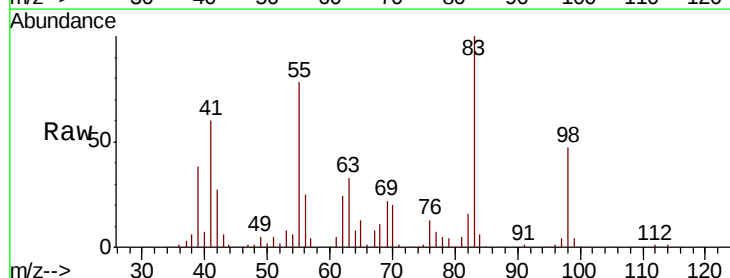
Tgt Ion: 83 Resp: 96419

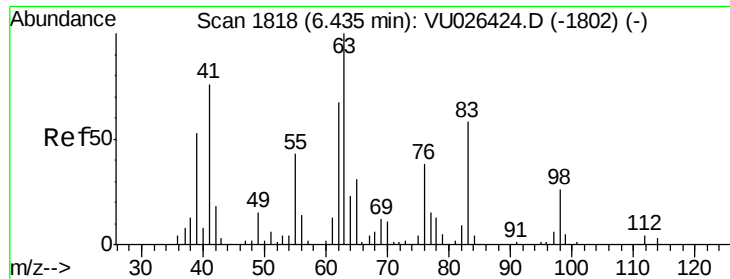
Ion Ratio Lower Upper

83 100

55 77.5 63.3 94.9

98 46.5 36.7 55.1

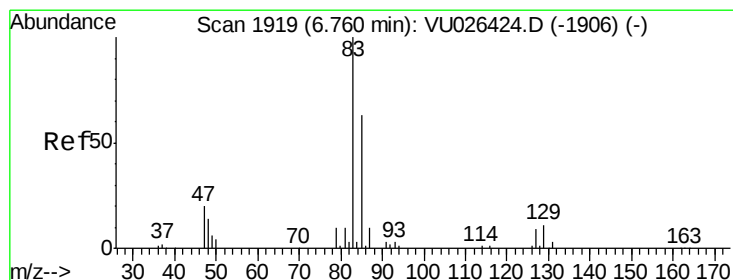
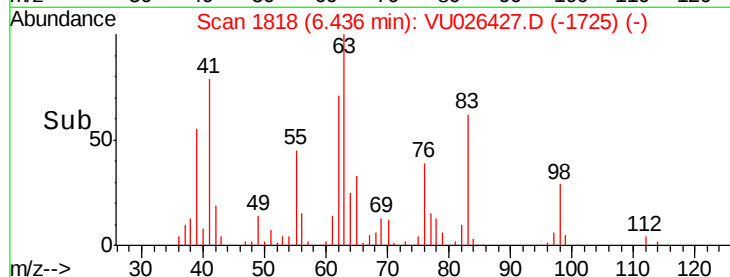
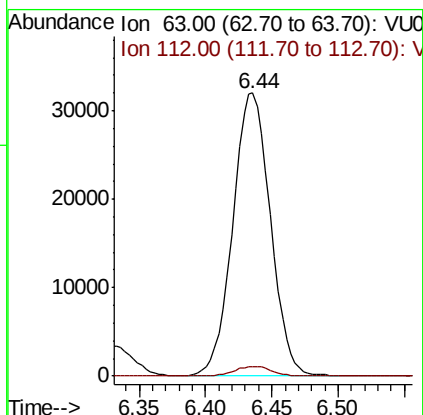
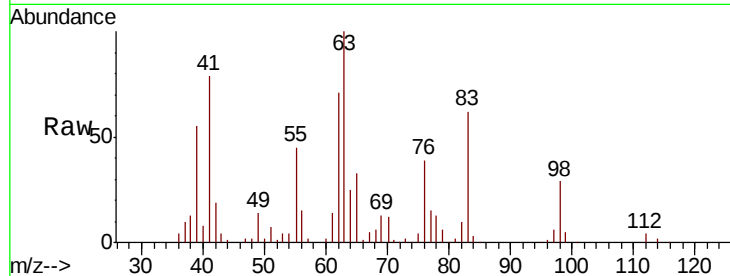




#37
 1,2-Dichloropropane
 Concen: 49.967 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

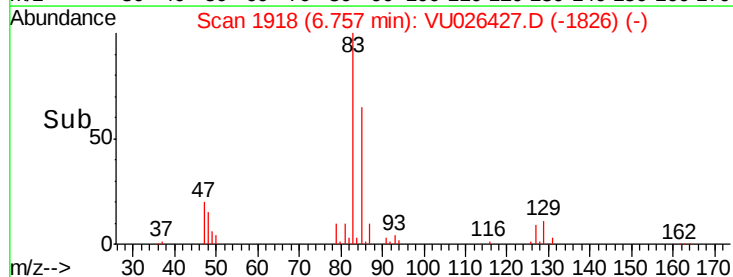
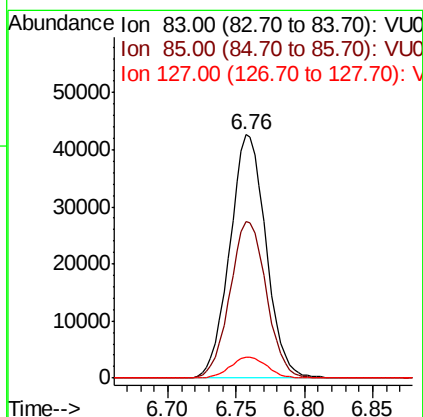
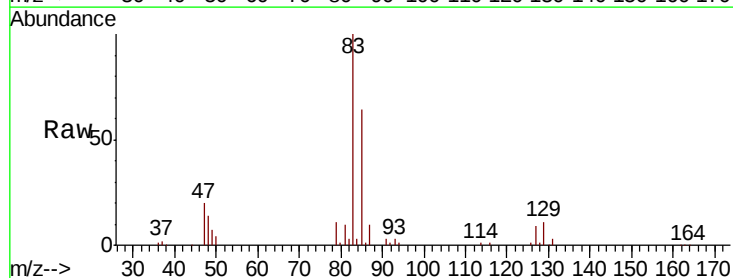
Instrument :
 MSVOA_U
 ClientSampleId :

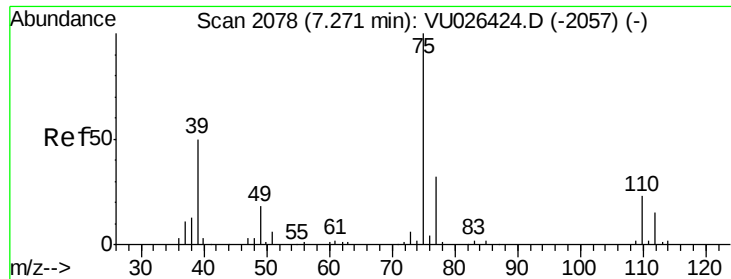
Tot Ion: 63 Resp: 63037
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.6



#38
 Bromodichloromethane
 Concen: 48.878 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

Tgt Ion: 83 Resp: 78634
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.9 81.5
 127 8.7 7.0 10.6

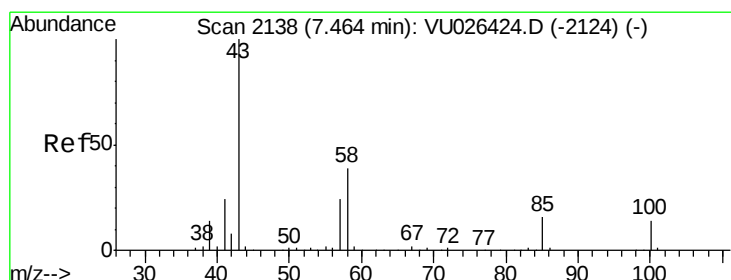
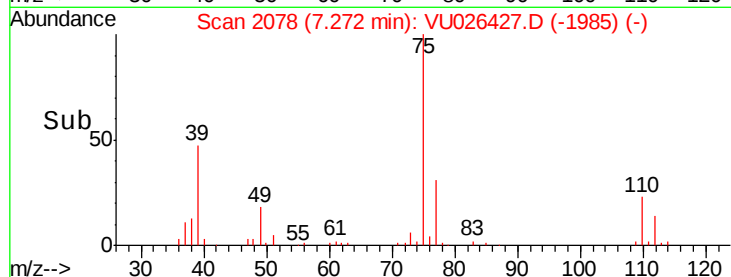
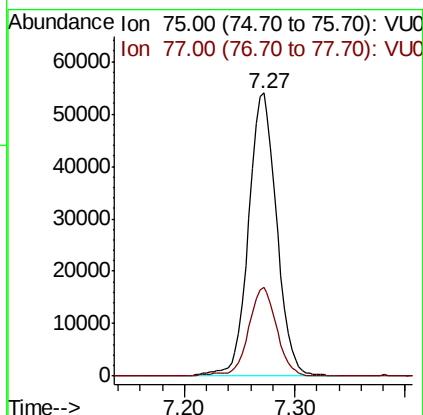
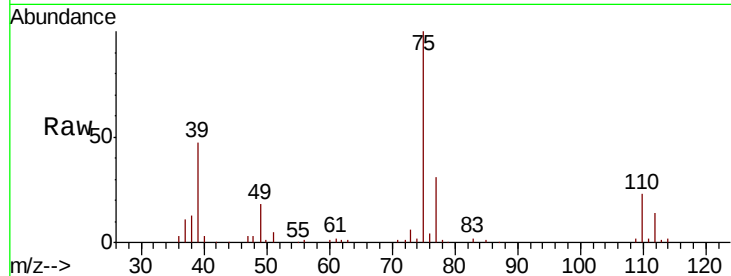




#39
 cis-1,3-Dichloropropene
 Concen: 53.076 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

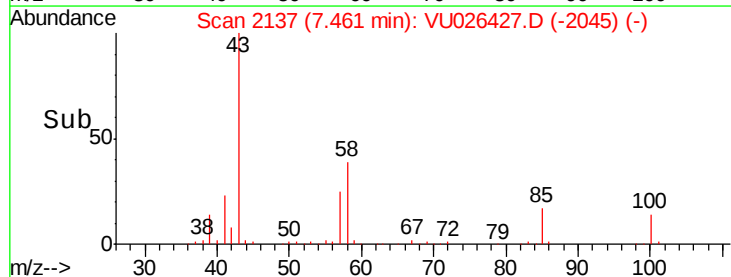
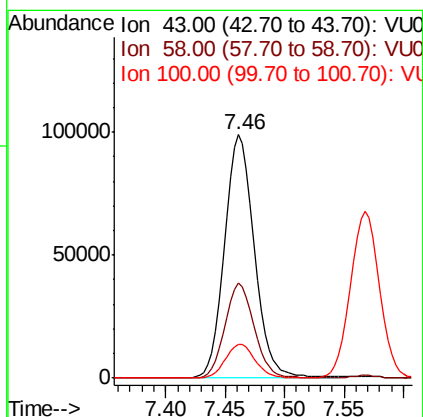
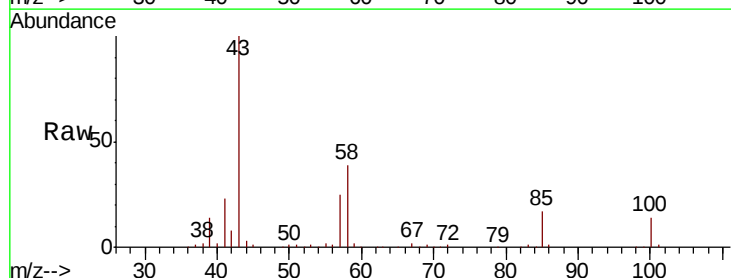
Instrument :
 MSVOA_U
 ClientSampleId :

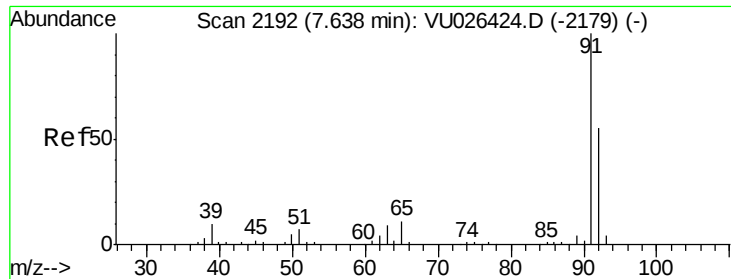
Tot Ion: 75 Resp: 95409
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 101.103 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

Tgt Ion: 43 Resp: 172014
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.4 45.6
 100 14.0 11.0 16.4





#42

Toluene

Concen: 52.167 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

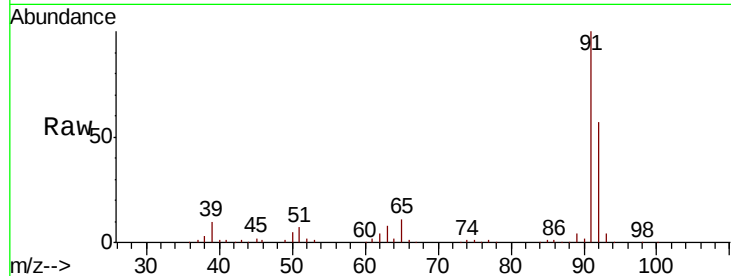
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 248057

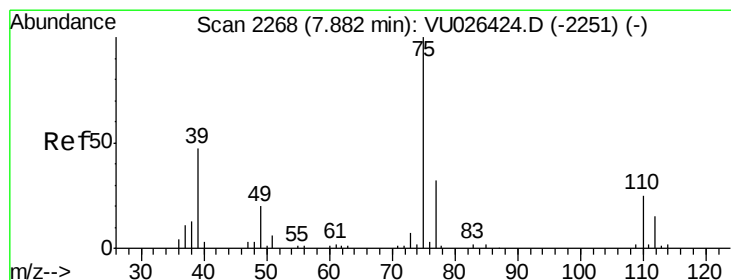
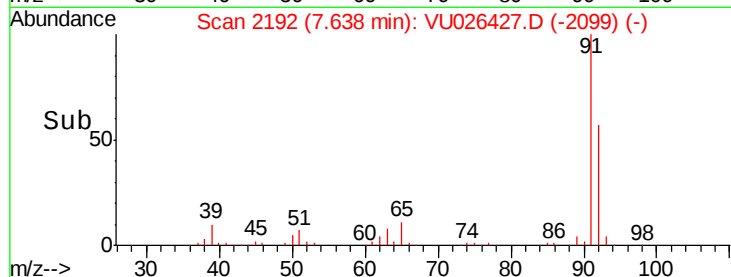
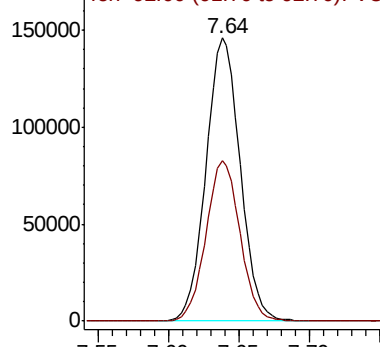
Ion Ratio Lower Upper

91 100

92 56.5 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 53.163 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026427.D

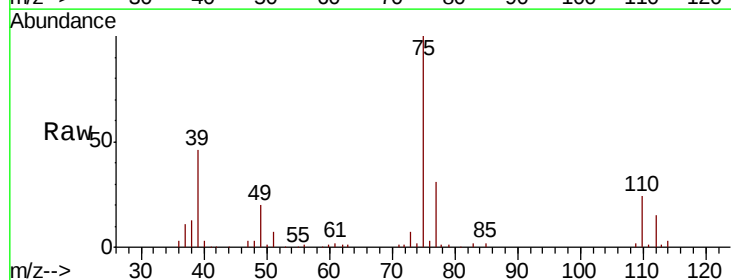
Acq: 29 Aug 2018 16:47

Tgt Ion: 75 Resp: 91085

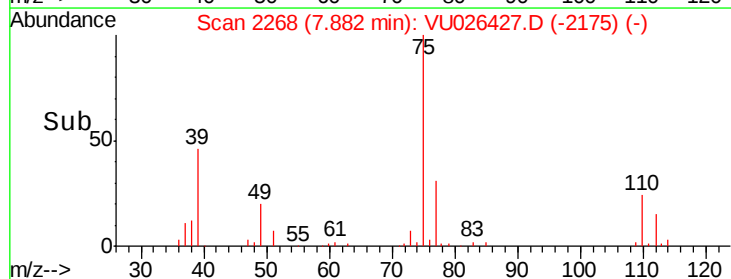
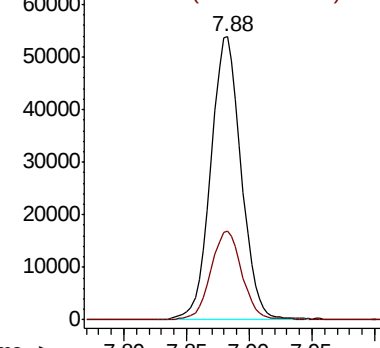
Ion Ratio Lower Upper

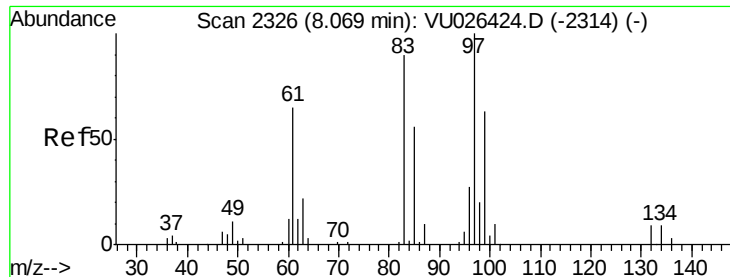
75 100

77 31.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

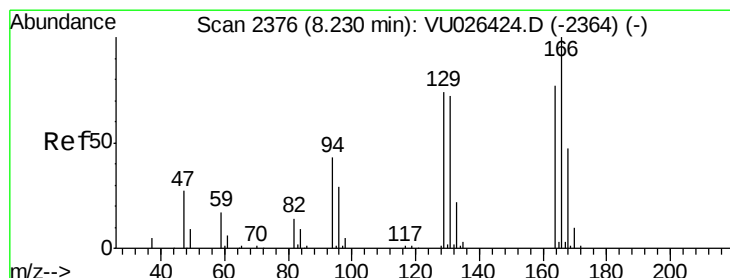
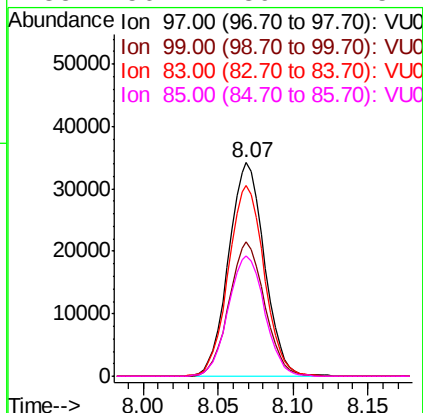
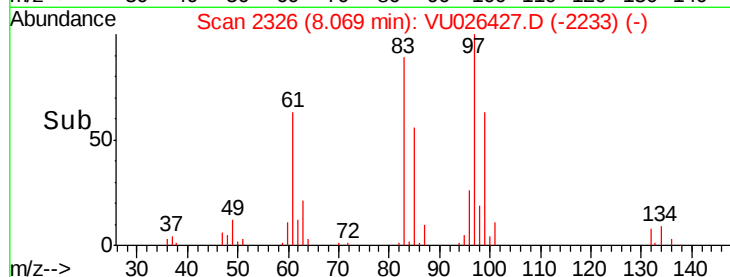
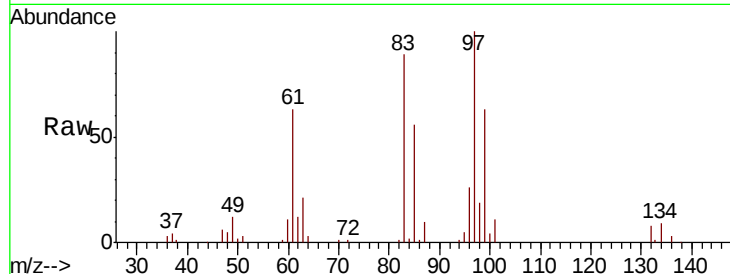




#45
1,1,2-Trichloroethane
Concen: 49.441 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU026427.D
Acq: 29 Aug 2018 16:47

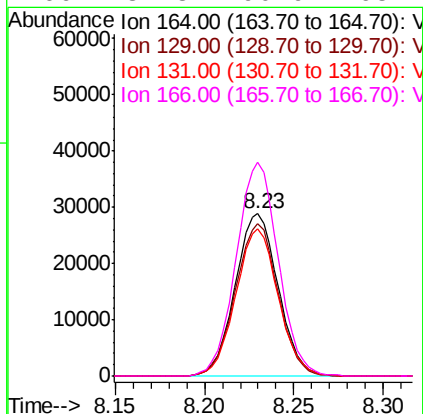
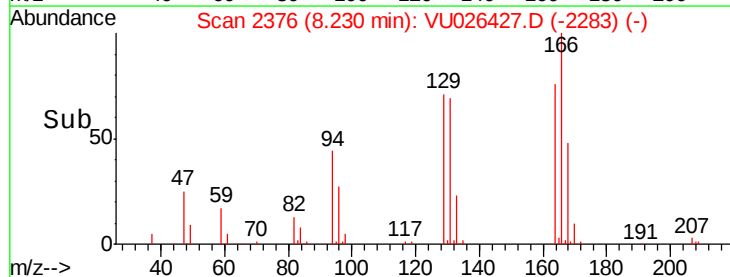
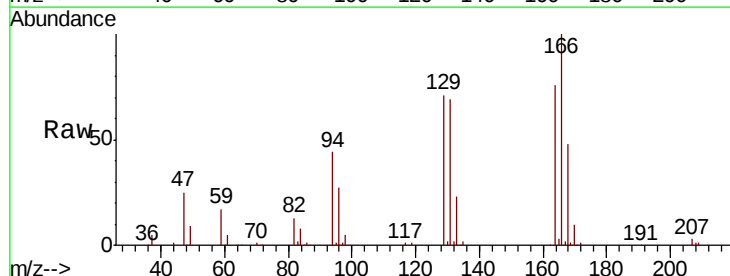
Instrument :
MSVOA_U
ClientSampleId :

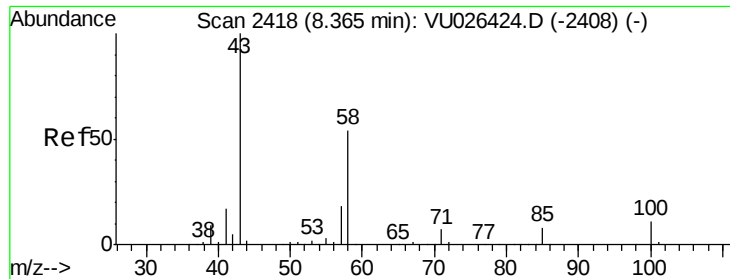
Tot Ion:	97	Resp:	57140
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.9	81.5
83	89.3	62.7	116.5
85	56.4	39.4	73.2



#46
Tetrachloroethene
Concen: 51.826 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026427.D
Acq: 29 Aug 2018 16:47

Tgt Ion:	164	Resp:	48433
Ion	Ratio	Lower	Upper
164	100		
129	94.0	67.3	125.1
131	90.6	65.3	121.3
166	131.8	90.9	168.7

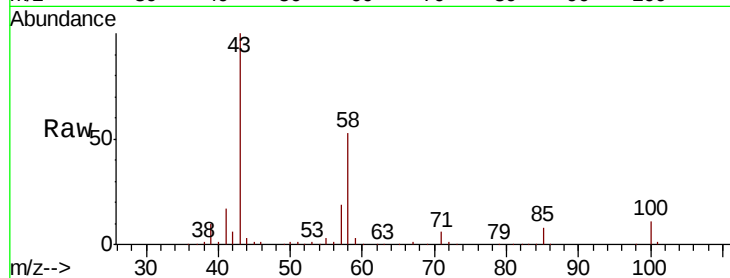




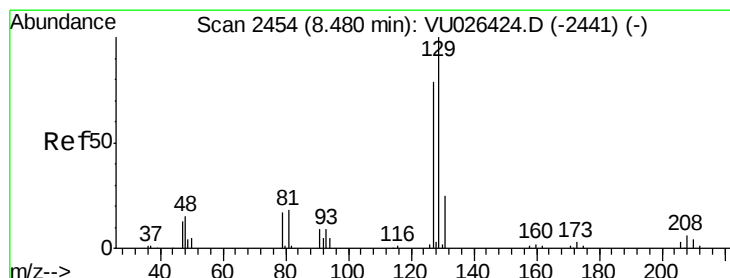
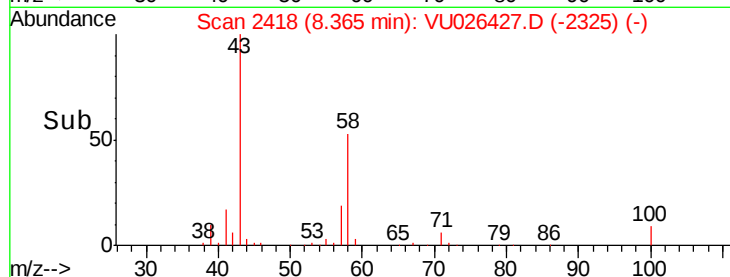
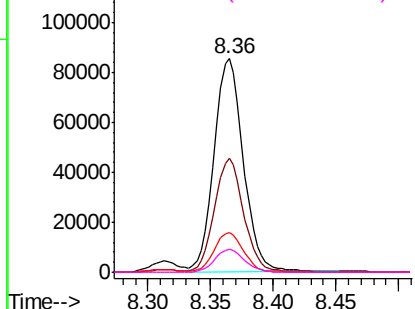
#48
2-Hexanone
Concen: 103.415 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026427.D
Acq: 29 Aug 2018 16:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 138573
Ion Ratio Lower Upper
43 100
58 53.2 42.2 63.4
57 18.5 14.6 21.8
100 10.8 8.3 12.5

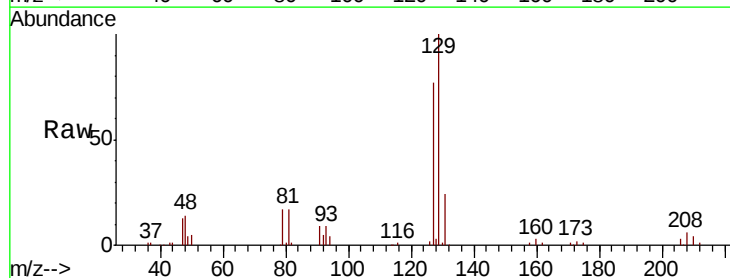


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

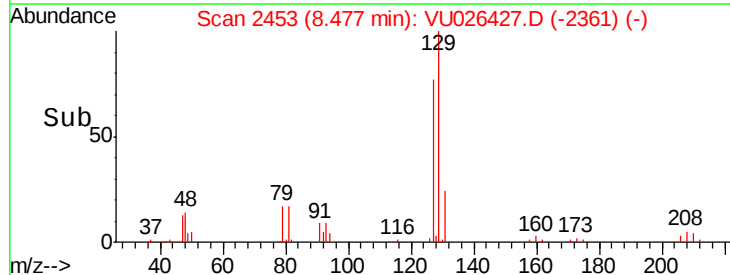
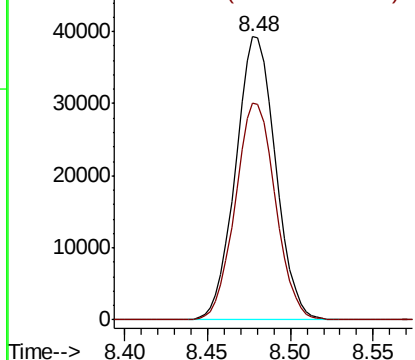


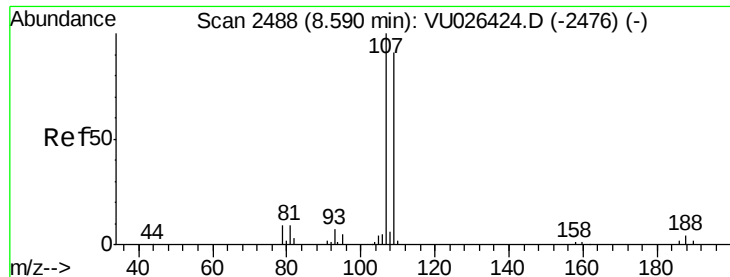
#49
Dibromochloromethane
Concen: 50.565 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026427.D
Acq: 29 Aug 2018 16:47

Tgt Ion: 129 Resp: 65847
Ion Ratio Lower Upper
129 100
127 76.7 55.0 102.2



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





#50

1,2-Dibromoethane

Concen: 50.116 ug/L

RT: 8.59 min Scan# 2487

Delta R.T. -0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

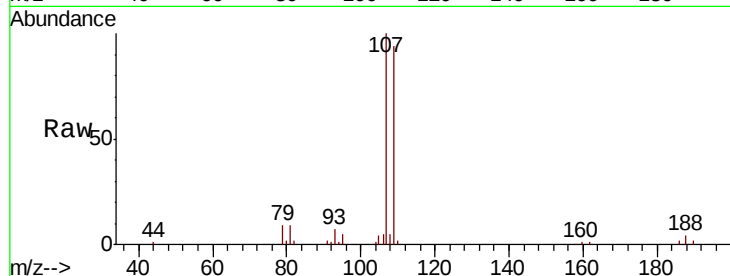
Tot Ion:107 Resp: 61677

Ion Ratio Lower Upper

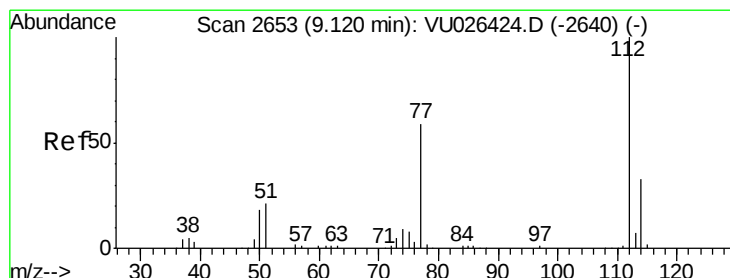
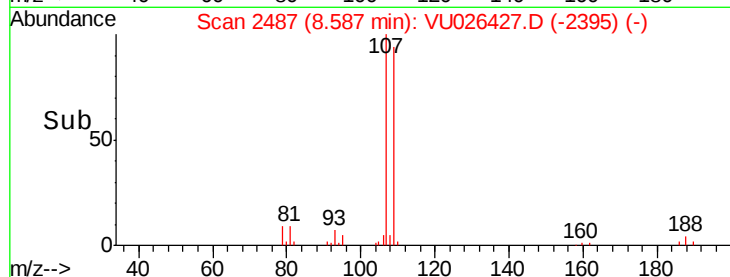
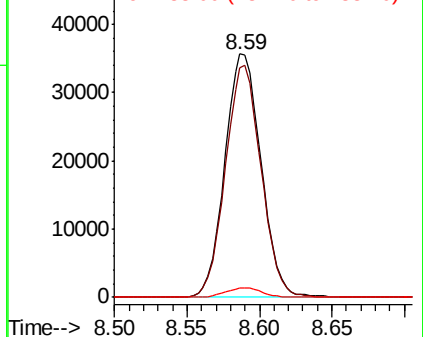
107 100

109 94.3 63.4 117.8

188 3.7 3.2 4.8



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



#51

Chlorobenzene

Concen: 50.401 ug/L

RT: 9.12 min Scan# 2653

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

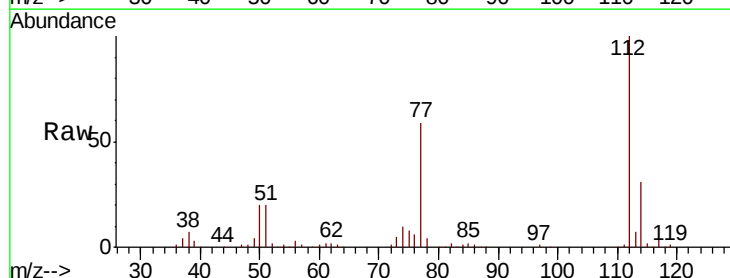
Tgt Ion:112 Resp: 160265

Ion Ratio Lower Upper

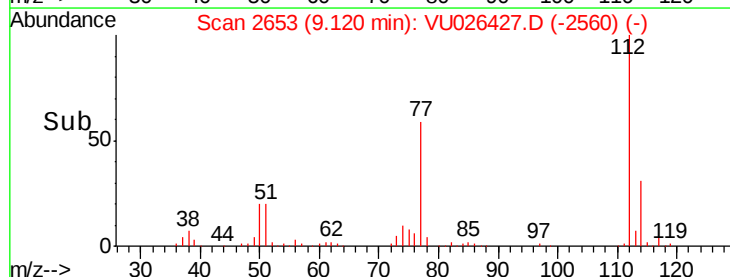
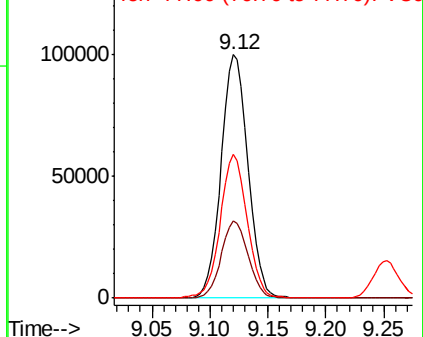
112 100

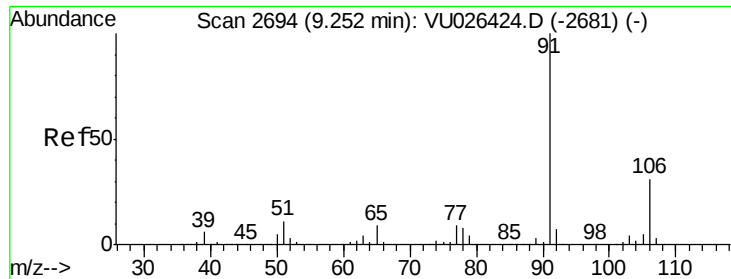
114 31.5 23.2 43.2

77 58.8 47.3 70.9



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





#52

Ethylbenzene

Concen: 52.616 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

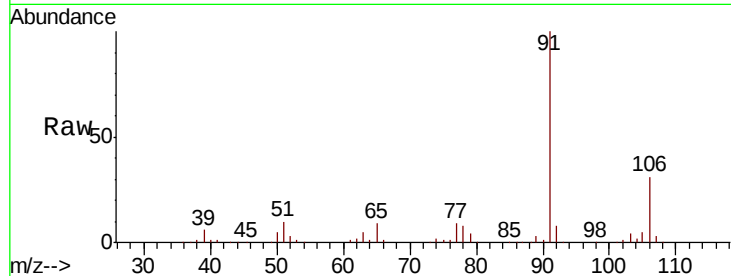
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 272109

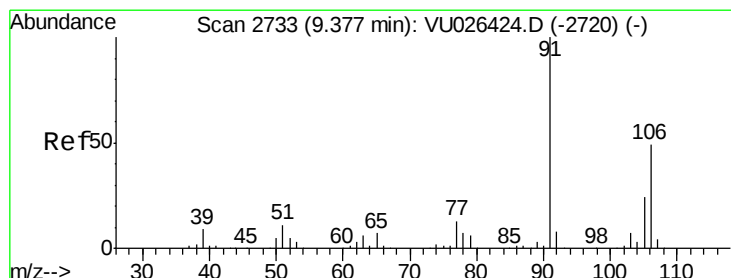
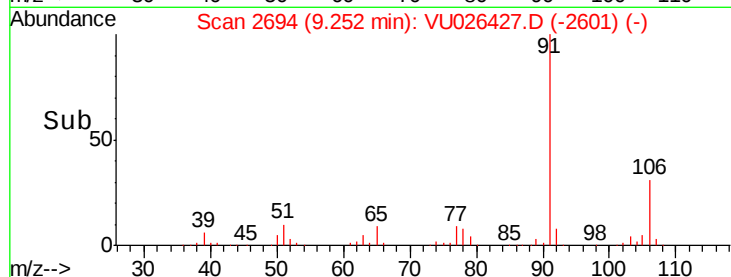
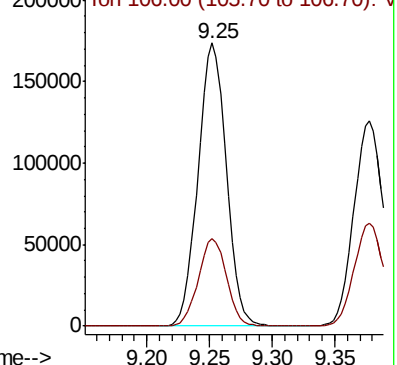
Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026427.D (-2601) (-)



#53

m,p-Xylene

Concen: 54.023 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026427.D

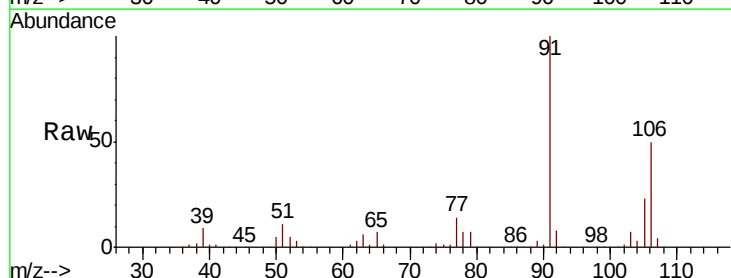
Acq: 29 Aug 2018 16:47

Tgt Ion: 106 Resp: 104320

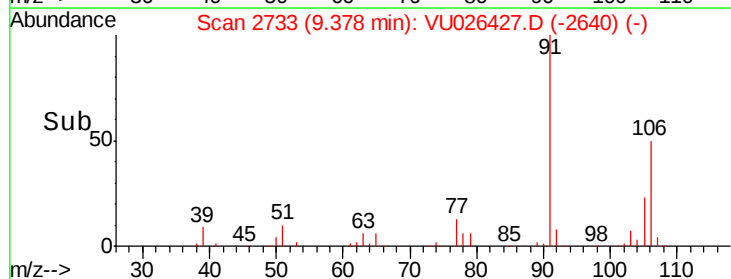
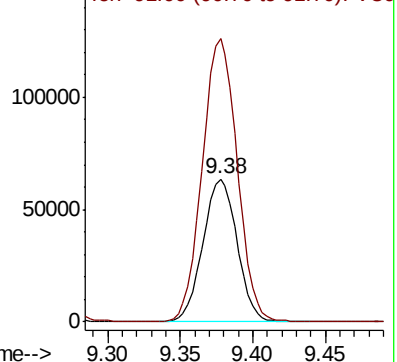
Ion Ratio Lower Upper

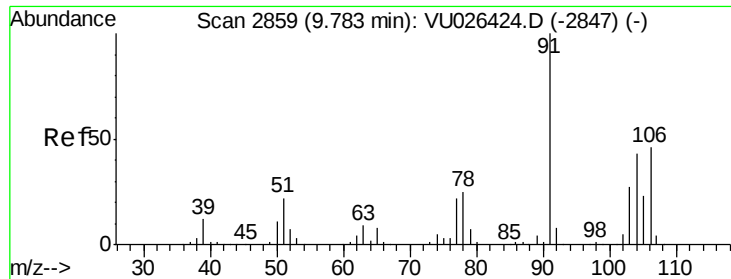
106 100

91 198.3 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026427.D (-2640) (-)





#54

o-xylene

Concen: 54.032 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

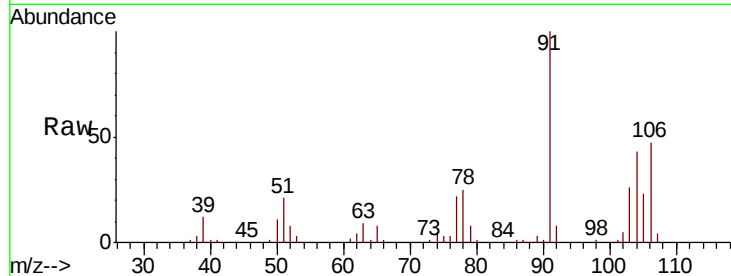
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 101749

Ion Ratio Lower Upper

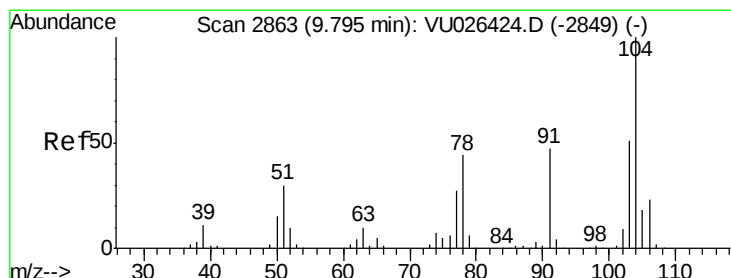
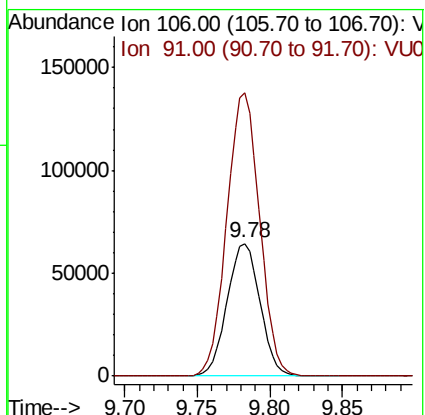
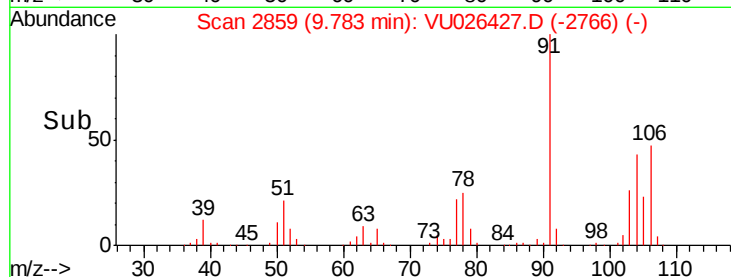
106 100

91 213.5 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.937 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026427.D

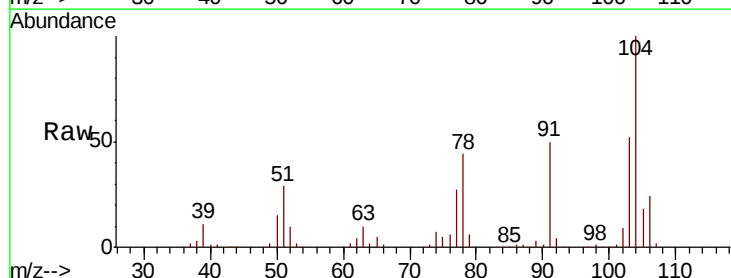
Acq: 29 Aug 2018 16:47

Tgt Ion:104 Resp: 177435

Ion Ratio Lower Upper

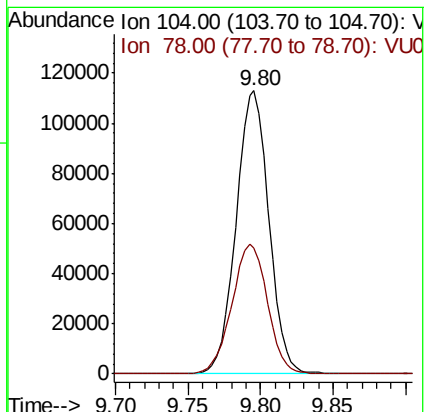
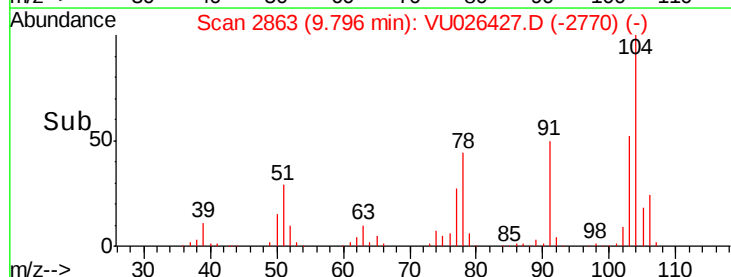
104 100

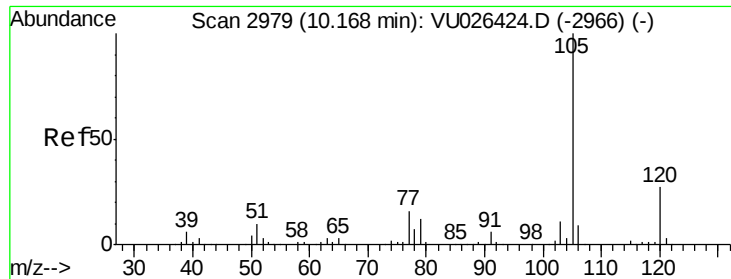
78 44.5 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.476 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

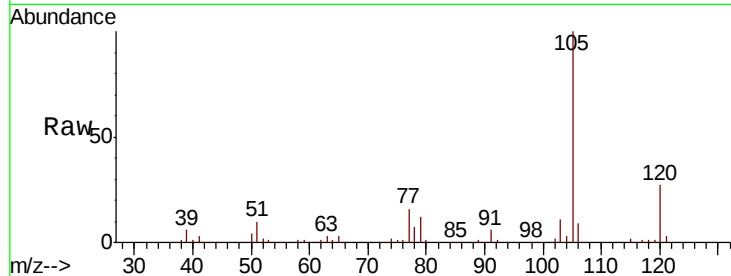
Tot Ion:105 Resp: 263603

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

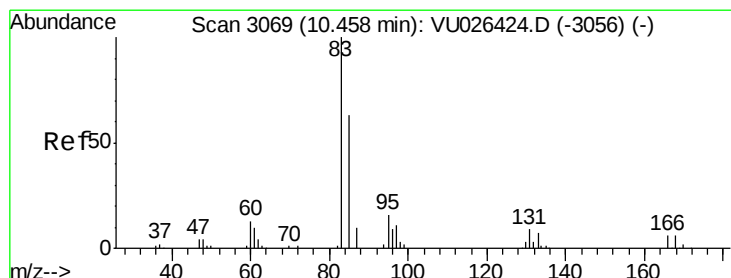
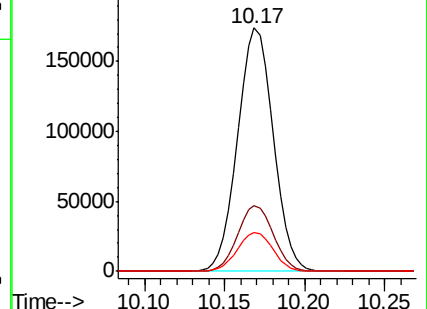
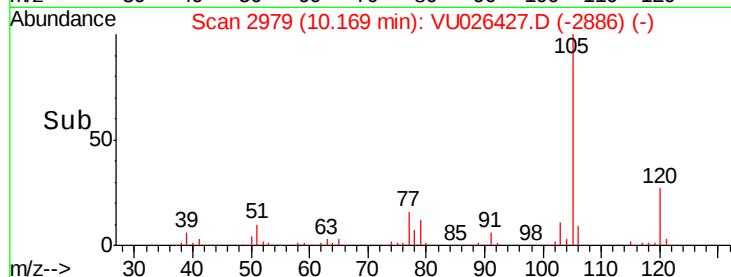
77 16.0 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.266 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

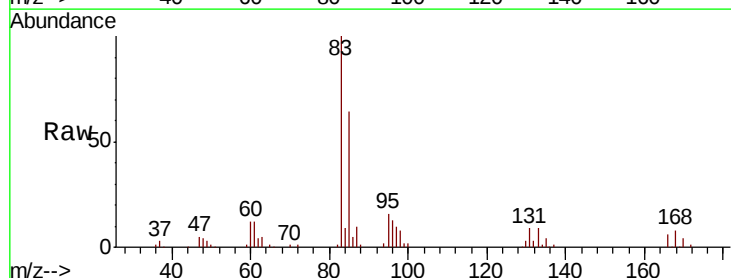
Tgt Ion: 83 Resp: 100294

Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

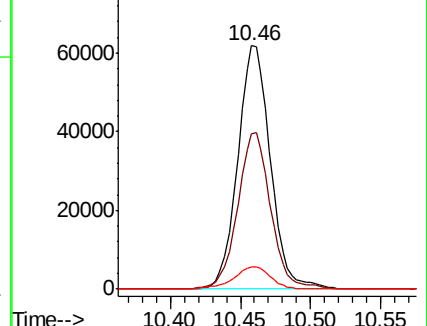
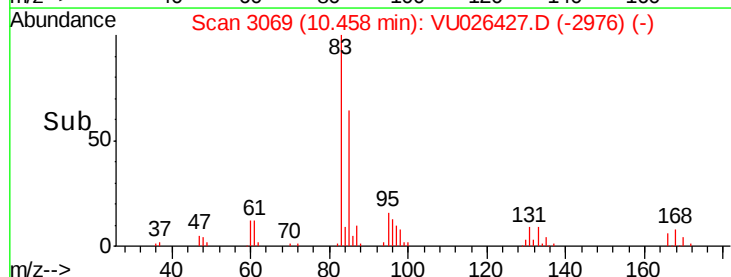
131 9.1 7.8 11.8

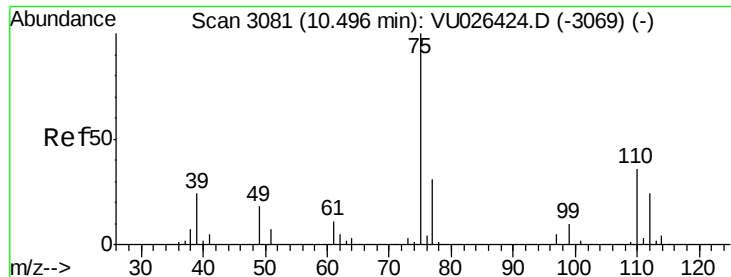


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

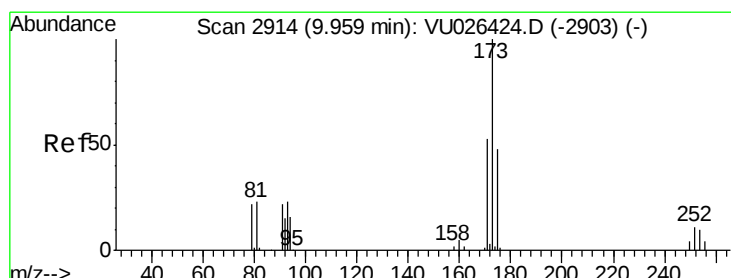
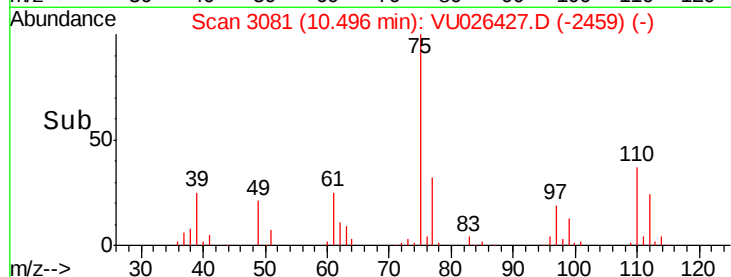
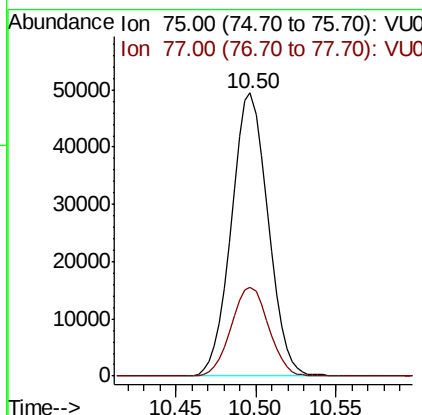
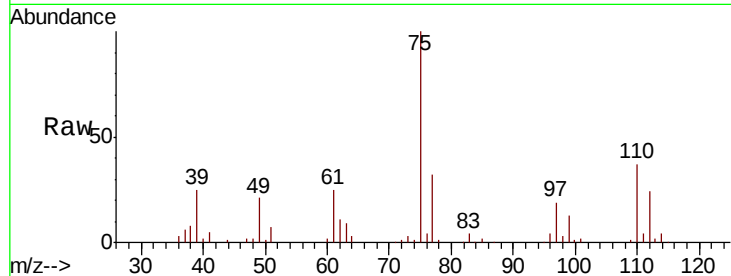




#59
 1,2,3-Trichloropropane
 Concen: 48.944 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

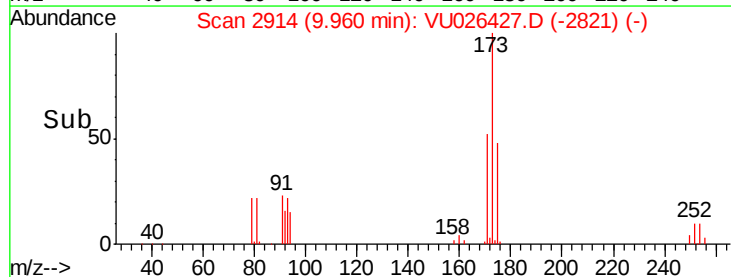
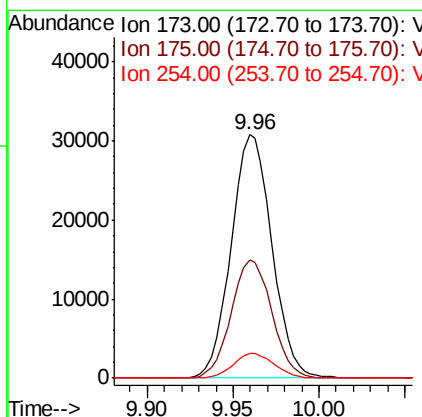
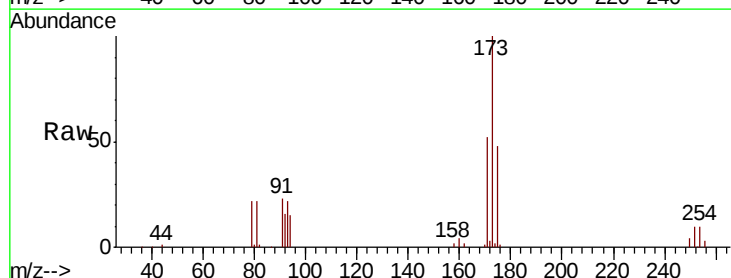
Instrument :
 MSVOA_U
 ClientSampleId :

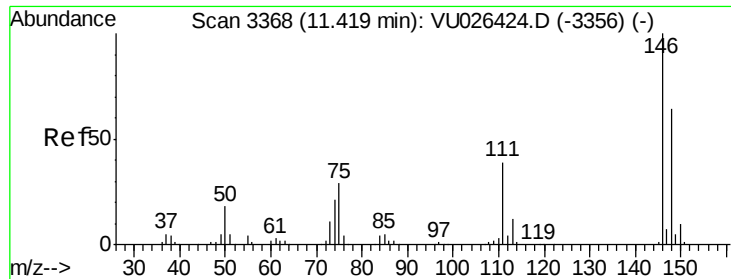
Tot Ion: 75 Resp: 77045
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.0 37.6



#61
 Bromoform
 Concen: 48.870 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

Tgt Ion: 173 Resp: 50951
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.5 57.7
 254 10.2 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 51.284 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Instrument :

MSVOA_U

ClientSampleId :

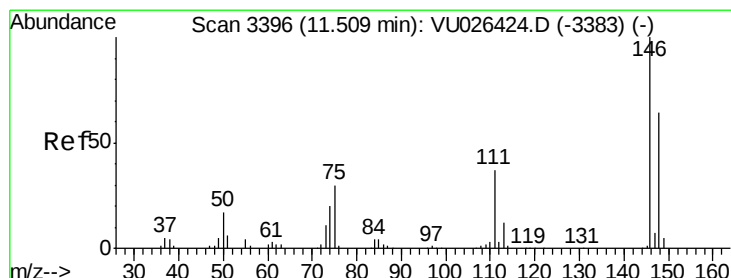
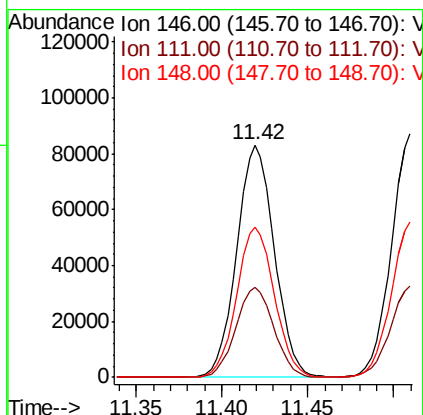
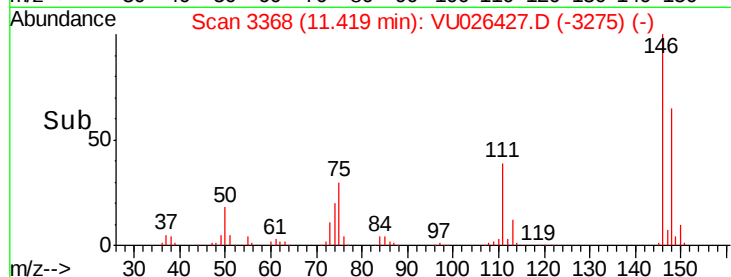
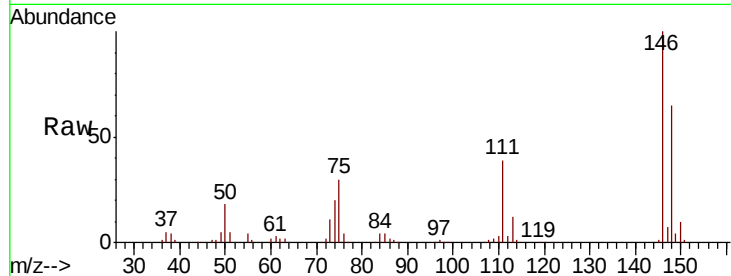
Tot Ion:146 Resp: 126767

Ion Ratio Lower Upper

146 100

111 38.6 27.5 51.1

148 64.8 44.9 83.3



#63

1,4-Dichlorobenzene

Concen: 50.537 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

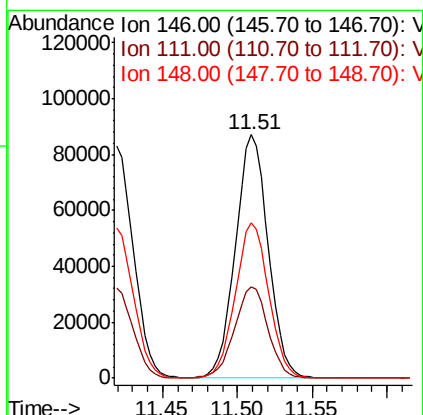
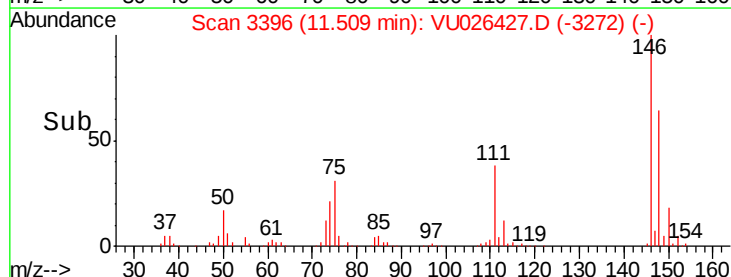
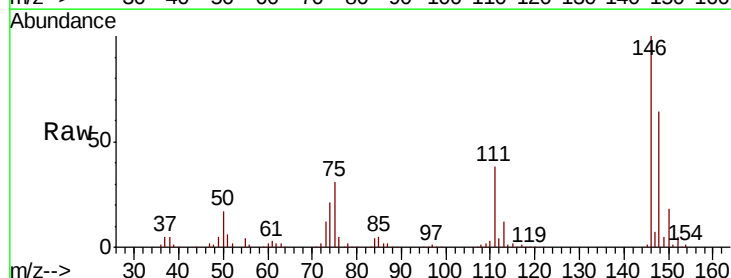
Tgt Ion:146 Resp: 132129

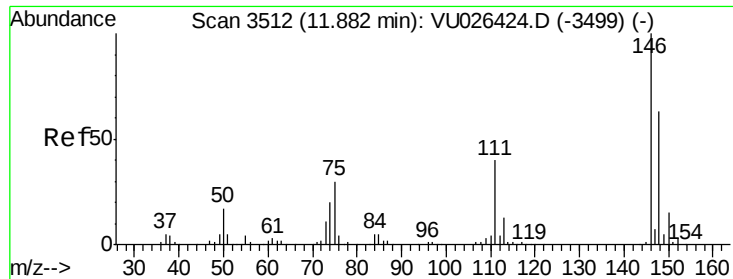
Ion Ratio Lower Upper

146 100

111 37.5 26.2 48.6

148 63.6 44.9 83.5

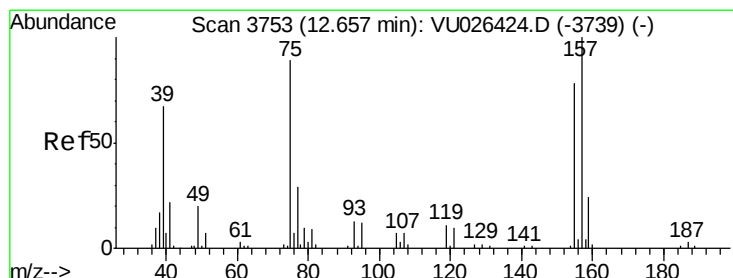
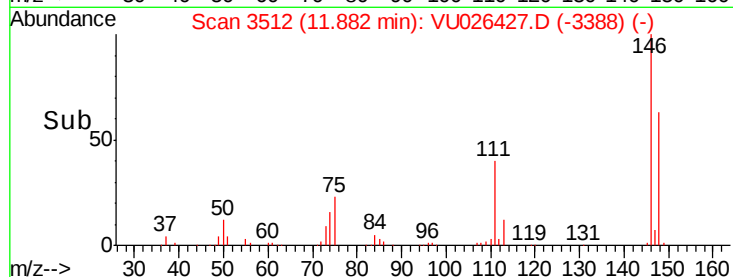
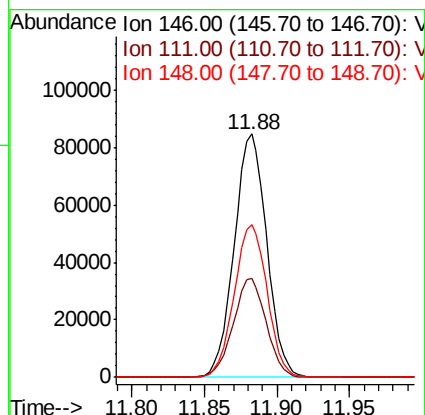
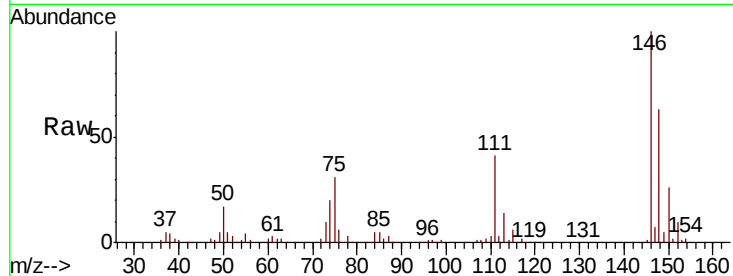




#65
 1,2-Dichlorobenzene
 Concen: 50.501 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

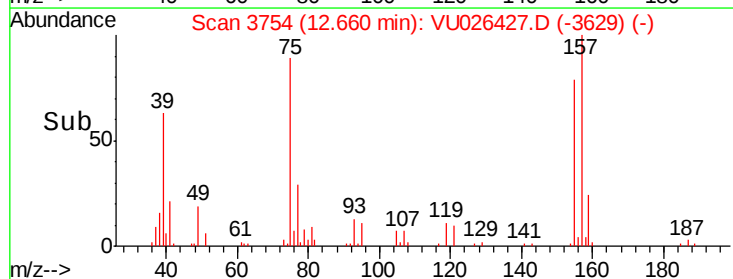
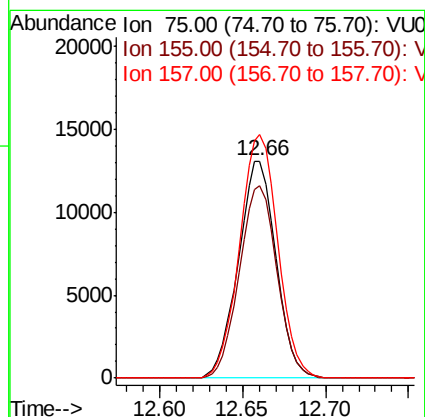
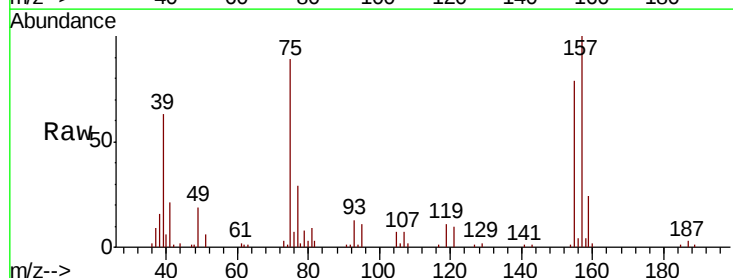
Instrument :
 MSVOA_U
 ClientSampleId :

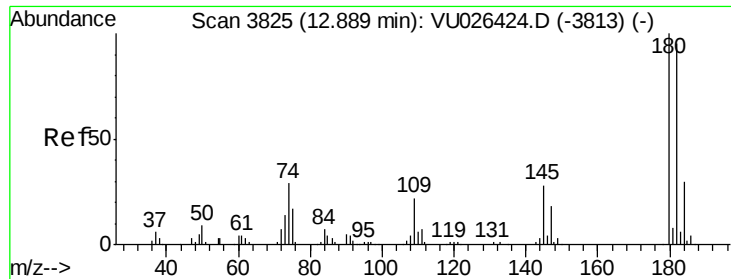
Tot Ion:146 Resp: 131667
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.0 48.0
 148 62.8 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.254 ug/L
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

Tgt Ion: 75 Resp: 20716
 Ion Ratio Lower Upper
 75 100
 155 88.9 69.8 104.8
 157 112.3 89.8 134.8

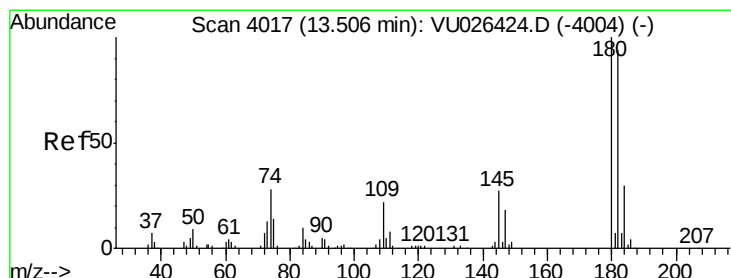
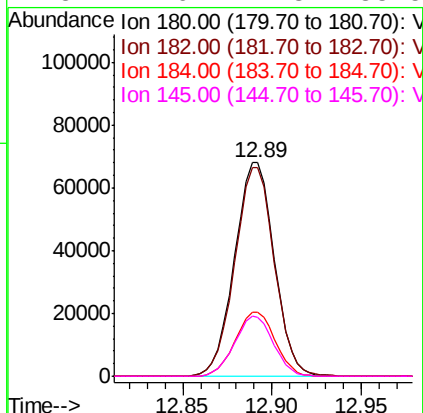
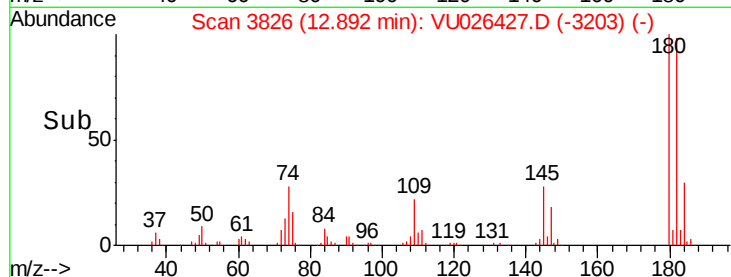
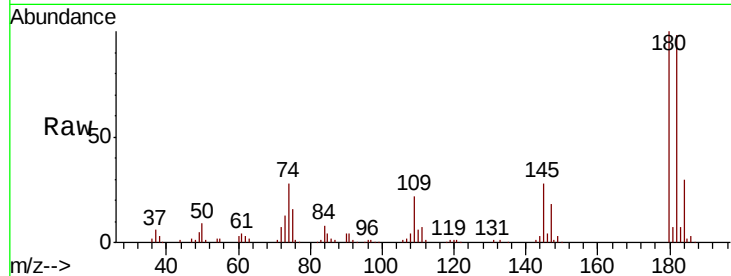




#67
 1,3,5-Trichlorobenzene
 Concen: 53.066 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

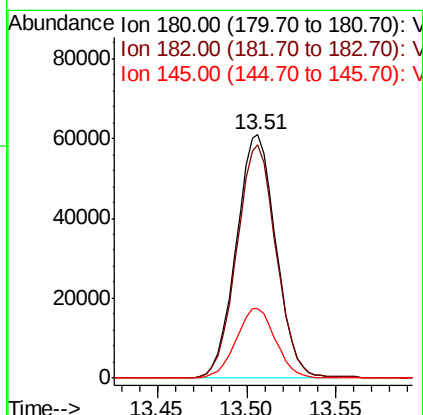
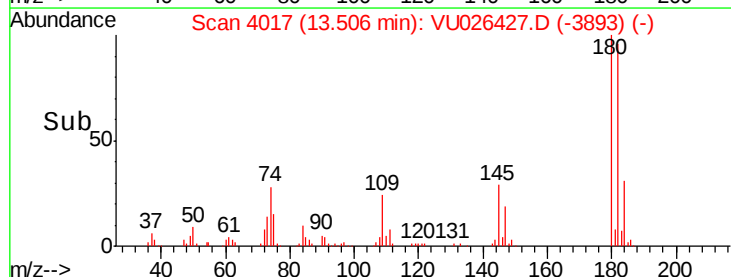
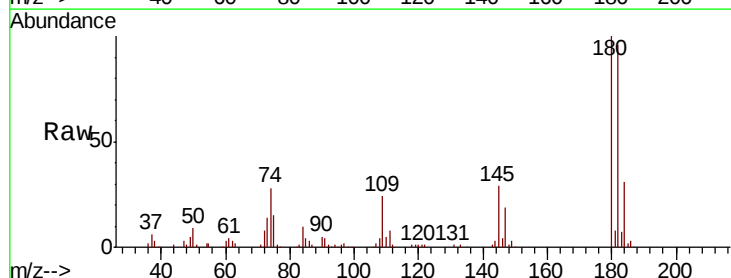
Instrument :
 MSVOA_U
 ClientSampleId :

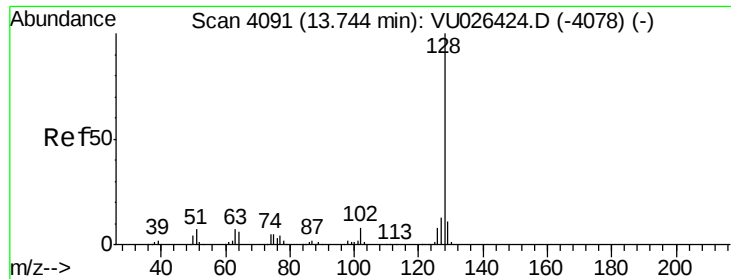
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.5	114.7
184	30.3	25.0	37.4
145	27.6	22.3	33.5



#68
 1,2,4-trichlorobenzene
 Concen: 54.413 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026427.D
 Acq: 29 Aug 2018 16:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.6	114.8
145	28.5	22.4	33.6





#69

Naphthalene

Concen: 54.798 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

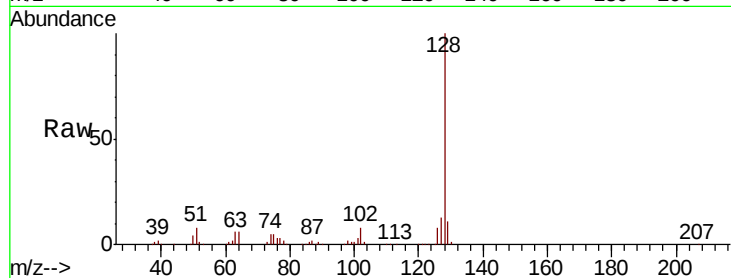
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 298108

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.4	8.5	12.7

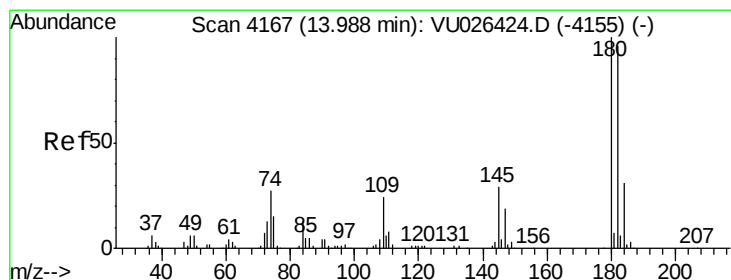
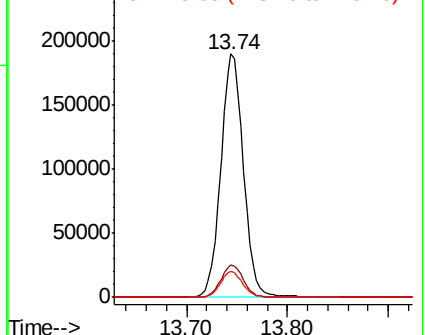
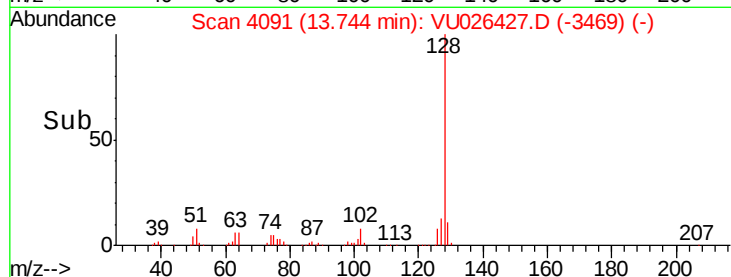


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.310 ug/L

RT: 13.99 min Scan# 4167

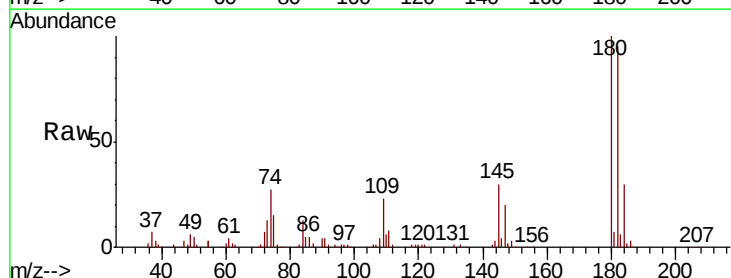
Delta R.T. 0.00 min

Lab File: VU026427.D

Acq: 29 Aug 2018 16:47

Tgt Ion:180 Resp: 101990

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
145	29.4	23.9	35.9



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

