

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101819\
 Data File : VU035276.D
 Acq On : 18 Oct 2019 19:11
 Operator : JC/SP
 Sample : K5419-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:42:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 03:38:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	319158	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	317278	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	129068	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	92366	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.93	69	86272	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.60	63	129551	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.71	46	269041	48.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.22%
24) Chloroform-d	5.11	84	173928	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.75	65	102883	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.77	84	365134	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.74	67	121257	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.93	98	339729	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.22	79	47047	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.69	63	233319	47.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.64%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	103934	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	122314	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	29612	1.070	ug/L	86
12) 1,1-Dichloroethene	2.60	96	1681	0.082	ug/L #	1
13) Acetone	2.67	43	6878	1.768	ug/L	89
18) trans-1,2-Dichloroethene	3.39	96	4257	0.192	ug/L	88
22) cis-1,2-Dichloroethene	4.72	96	22453	0.918	ug/L	98
25) Chloroform	5.16	83	18628	0.424	ug/L #	40
30) Cyclohexane	5.43	56	49127	1.234	ug/L #	94
33) Benzene	5.82	78	24542	0.263	ug/L	100
35) Methylcyclohexane	6.80	83	11071	0.264	ug/L #	1
39) cis-1,3-Dichloropropene	7.61	75	3441	0.087	ug/L #	1
45) 1,1,2-Trichloroethane	8.40	97	20318	1.155	ug/L #	20
48) 2-Hexanone	8.69	43	21041	1.875	ug/L #	63
52) Ethylbenzene	9.60	91	96539	0.824	ug/L	100
53) m,p-Xylene	9.73	106	7719	0.174	ug/L	77
56) Isopropylbenzene	10.51	105	30804	0.265	ug/L	98
69) Naphthalene	14.09	128	4933	0.198	ug/L #	69

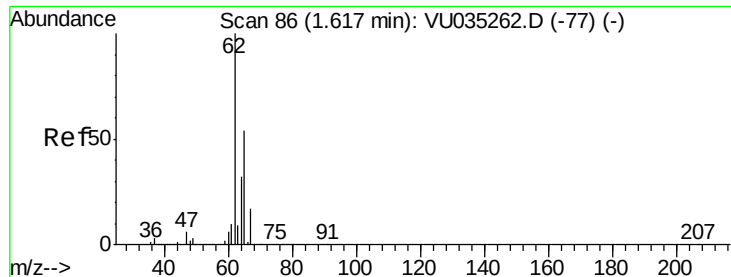
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
Data File : VU035276.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 03:38:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 1.070 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

Instrument :

MSVOA_U

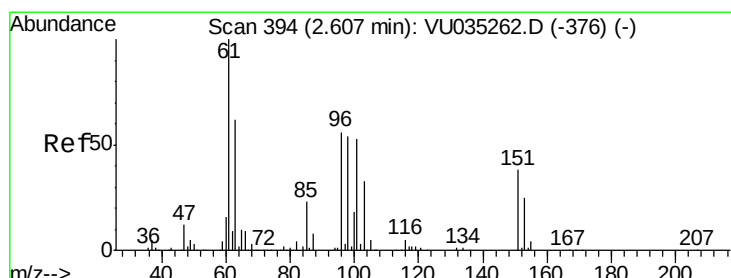
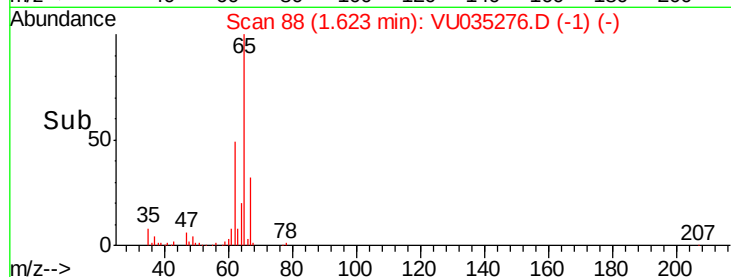
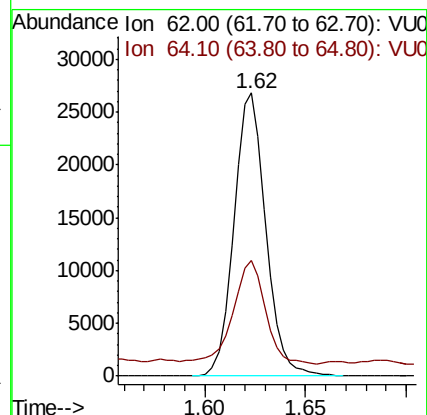
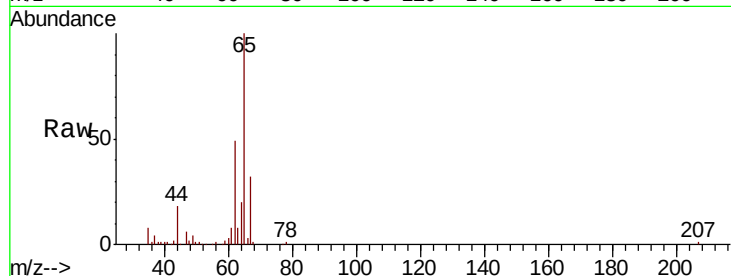
ClientSampleId :

Tot Ion: 62 Resp: 29612

Ion Ratio Lower Upper

62 100

64 40.7 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.082 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

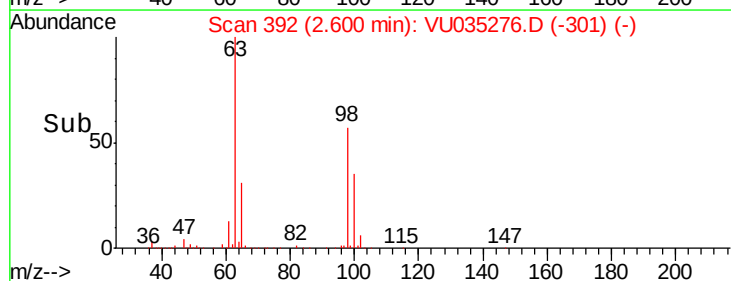
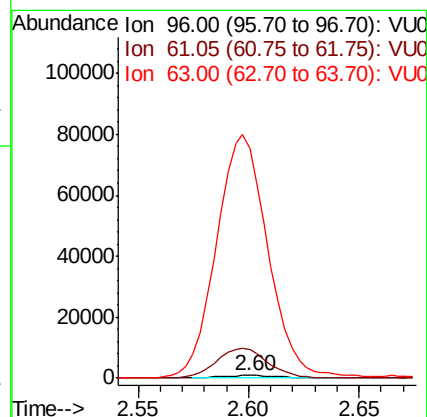
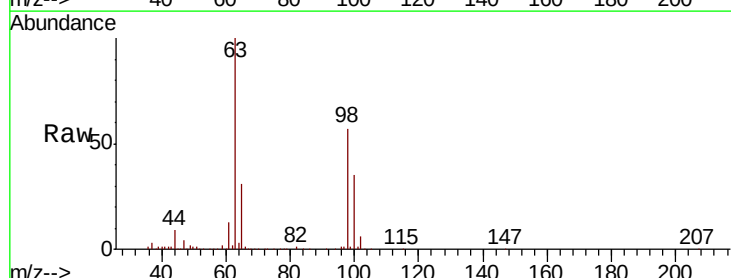
Tgt Ion: 96 Resp: 1681

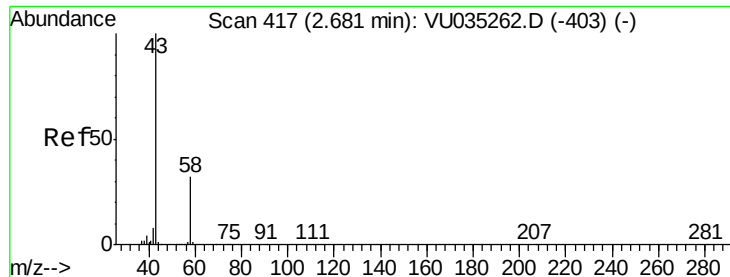
Ion Ratio Lower Upper

96 100

61 1040.8 120.6 224.0#

63 8295.5 86.8 161.2#





#13

Acetone

Concen: 1.768 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

Instrument :

MSVOA_U

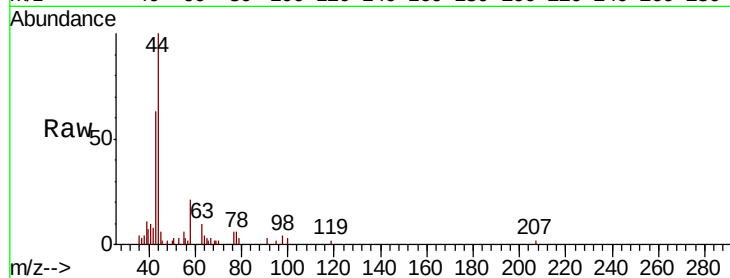
ClientSampleId :

Tot Ion: 43 Resp: 6878

Ion Ratio Lower Upper

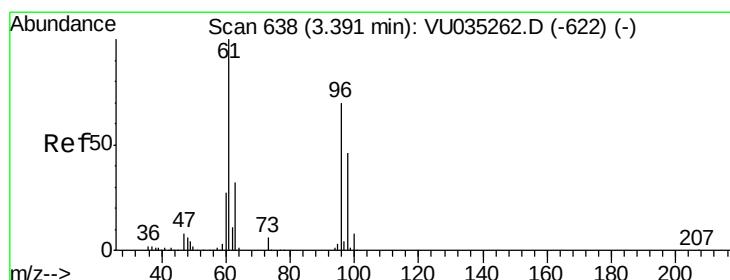
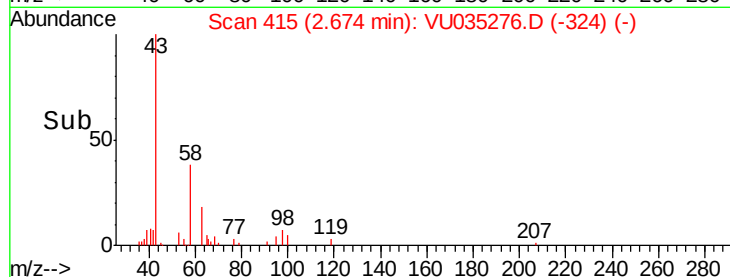
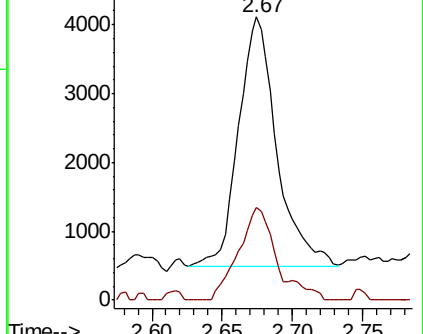
43 100

58 37.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035276.D (-403) (-)

Ion 58.05 (57.75 to 58.75): VU035276.D (-403) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.192 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

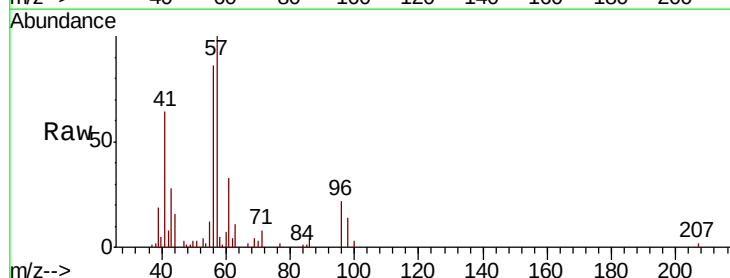
Tgt Ion: 96 Resp: 4257

Ion Ratio Lower Upper

96 100

61 152.8 93.0 172.6

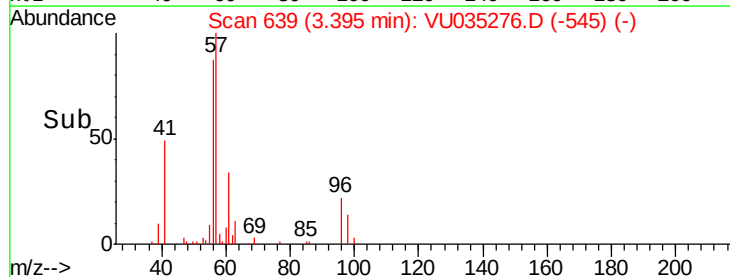
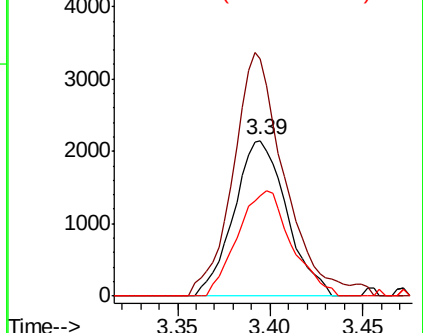
98 64.3 43.7 81.1

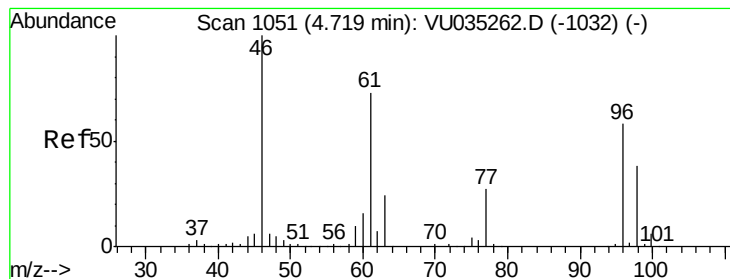


Abundance Ion 96.00 (95.70 to 96.70): VU035276.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035276.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035276.D (-545) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.918 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

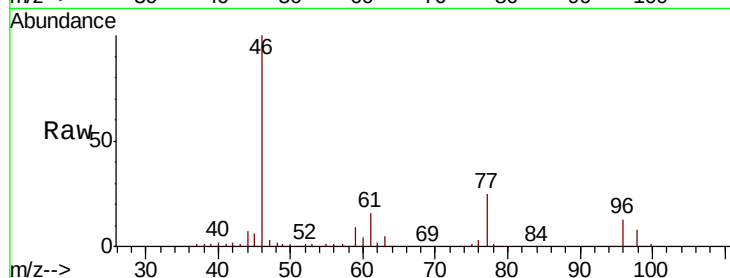
Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 22453

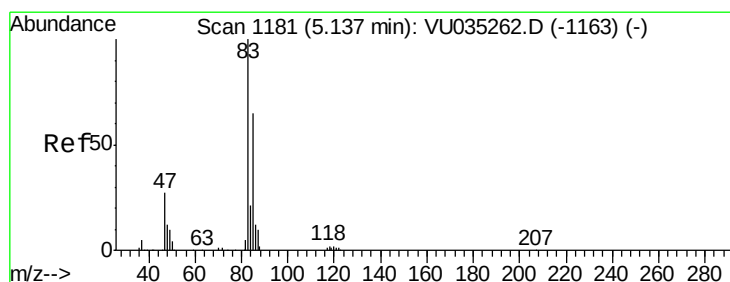
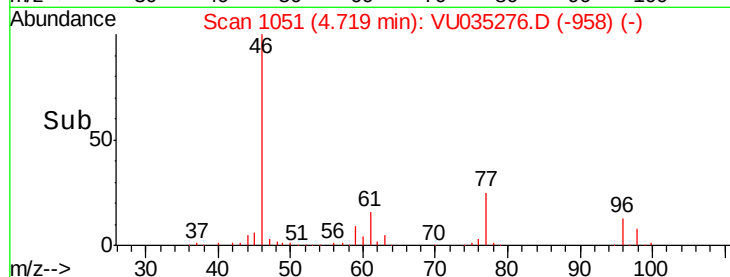
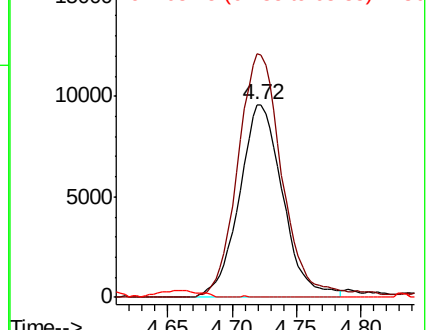
Ion	Ratio	Lower	Upper
96	100		
61	126.3	89.7	166.5
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#25

Chloroform

Concen: 0.424 ug/L

RT: 5.16 min Scan# 1189

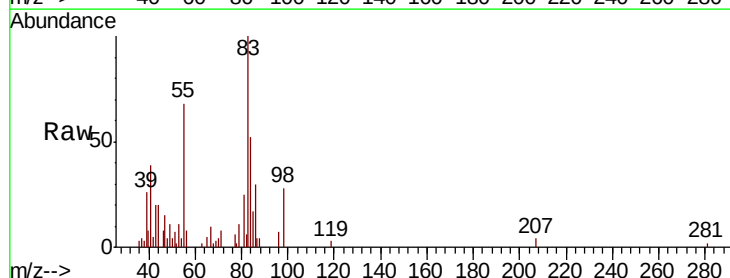
Delta R.T. 0.03 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

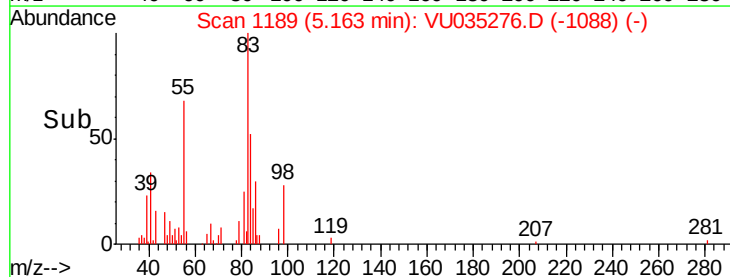
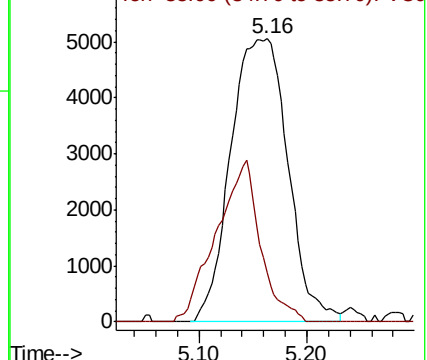
Tgt Ion: 83 Resp: 18628

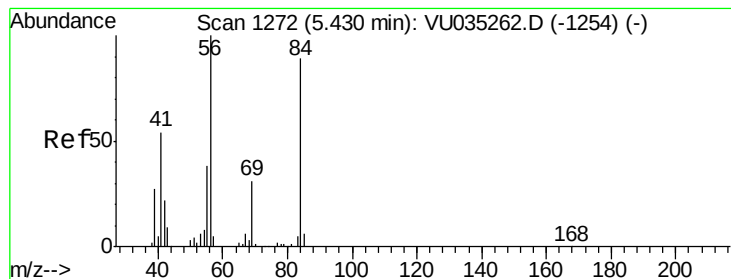
Ion	Ratio	Lower	Upper
83	100		
85	17.3	45.1	83.9#



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#30

Cyclohexane

Concen: 1.234 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

Instrument :
MSVOA_U
ClientSampleId :

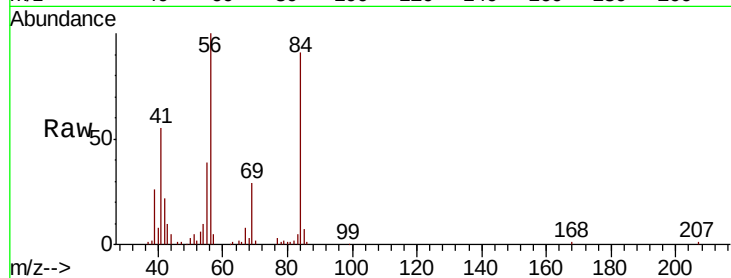
Tot Ion: 56 Resp: 49127

Ion Ratio Lower Upper

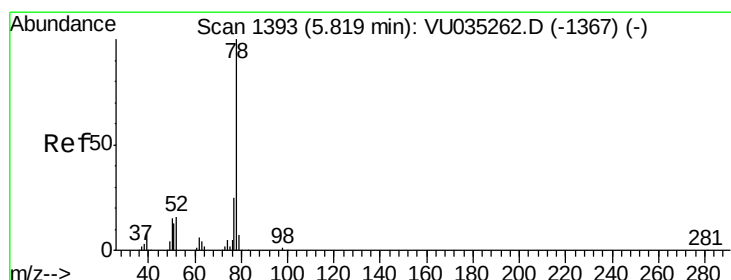
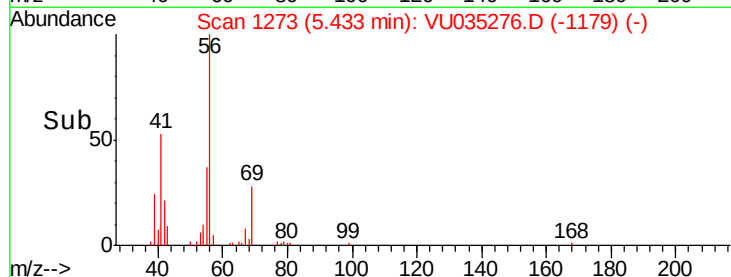
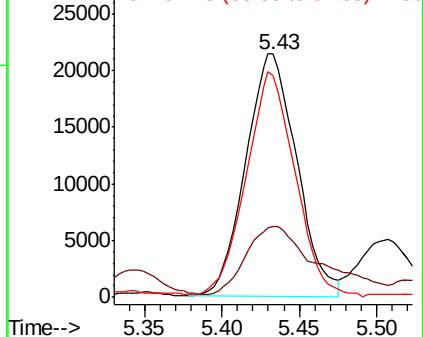
56 100

69 41.3 24.6 36.8#

84 90.2 71.5 107.3



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



#33

Benzene

Concen: 0.263 ug/L

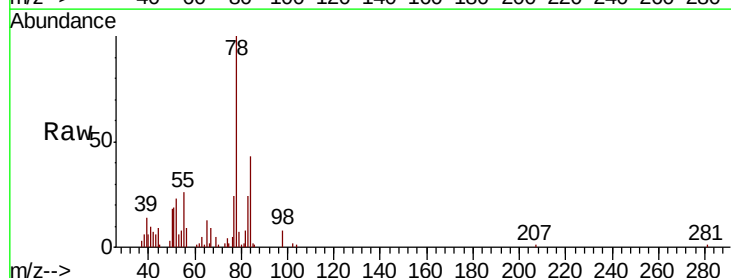
RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

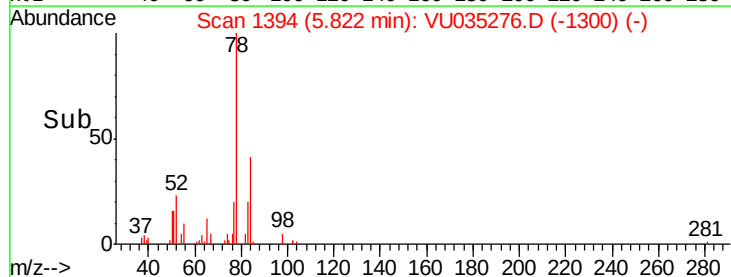
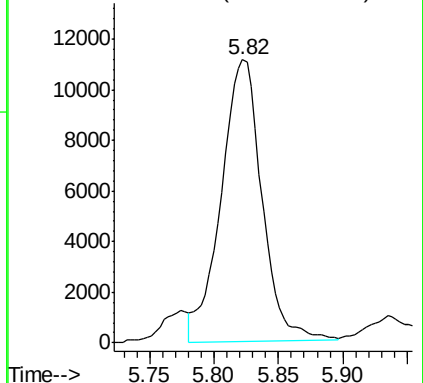
Lab File: VU035276.D

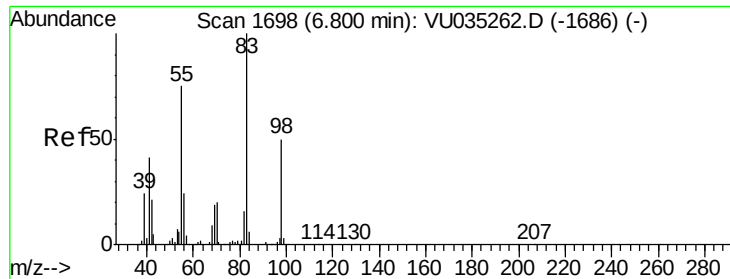
Acq: 18 Oct 2019 19:11

Tgt Ion: 78 Resp: 24542



Abundance Ion 78.10 (77.80 to 78.80): VU0

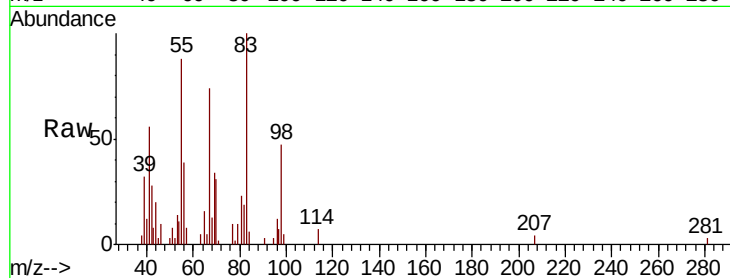




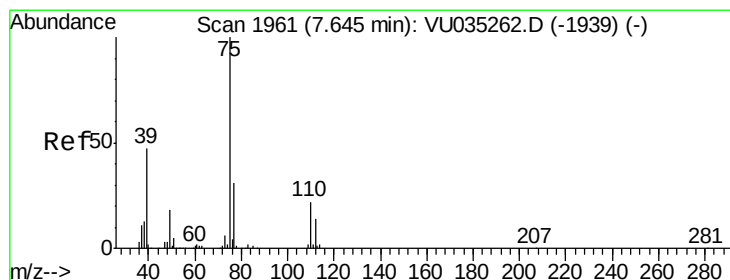
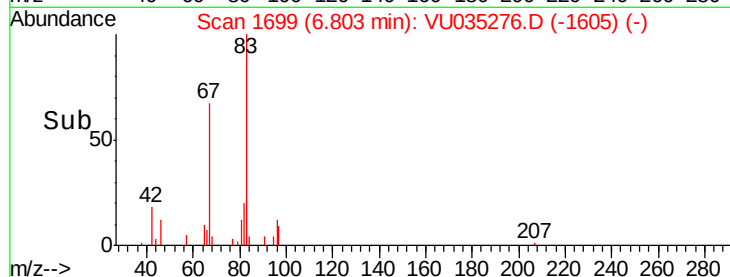
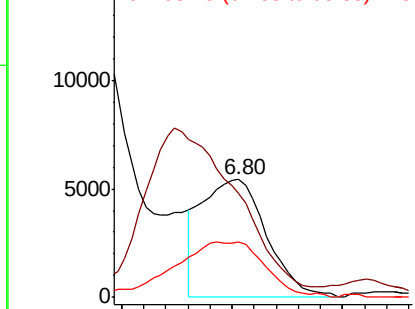
#35
Methylcyclohexane
Concen: 0.264 ug/L
RT: 6.80 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VU035276.D
Acq: 18 Oct 2019 19:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 11071
Ion Ratio Lower Upper
83 100
55 202.3 60.4 90.6#
98 66.8 39.5 59.3#

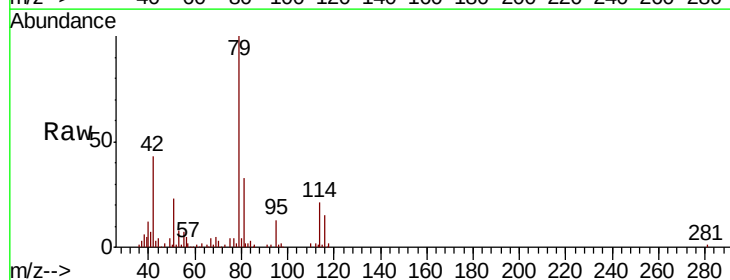


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

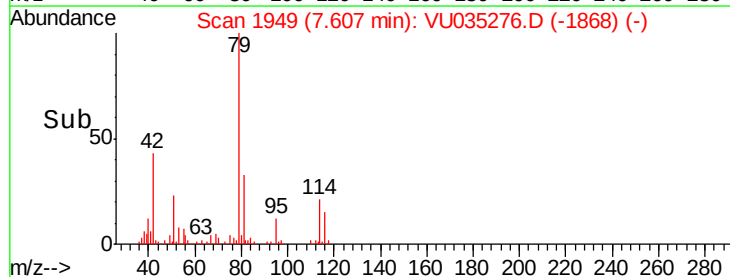
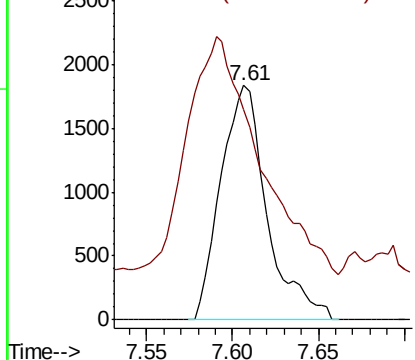


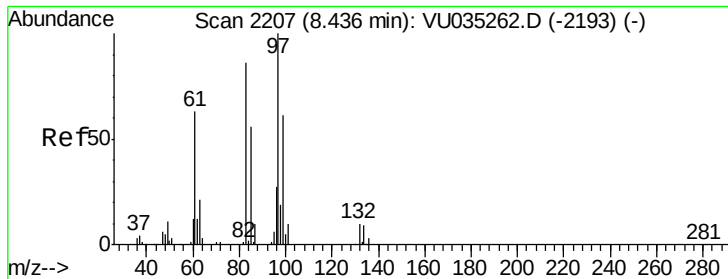
#39
cis-1,3-Dichloropropene
Concen: 0.087 ug/L
RT: 7.61 min Scan# 1949
Delta R.T. -0.04 min
Lab File: VU035276.D
Acq: 18 Oct 2019 19:11

Tgt Ion: 75 Resp: 3441
Ion Ratio Lower Upper
75 100
77 90.1 22.7 42.1#



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





#45

1,1,2-Trichloroethane

Concen: 1.155 ug/L

RT: 8.40 min Scan# 2196

Delta R.T. -0.04 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 20318

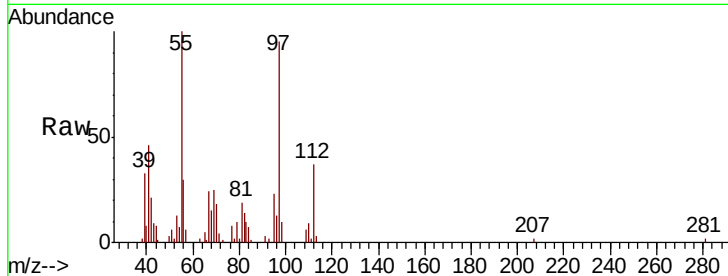
Ion Ratio Lower Upper

97 100

99 0.0 42.9 79.7#

83 10.0 60.4 112.2#

85 1.0 38.4 71.2#

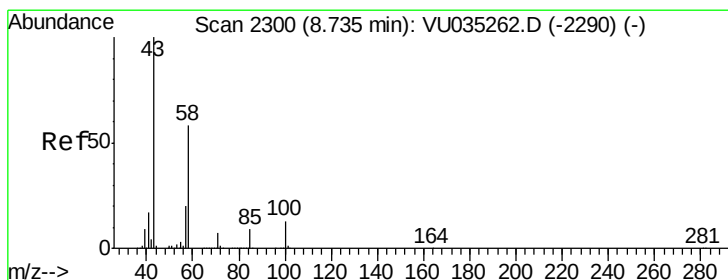
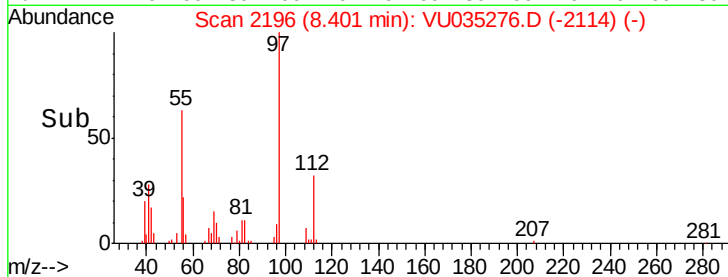
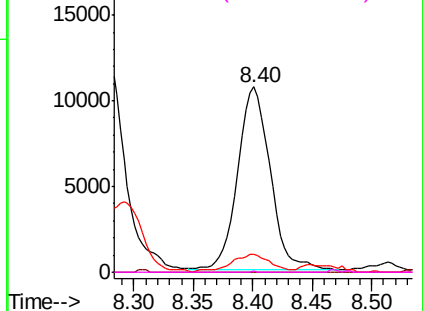


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#48

2-Hexanone

Concen: 1.875 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.05 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

Tgt Ion: 43 Resp: 21041

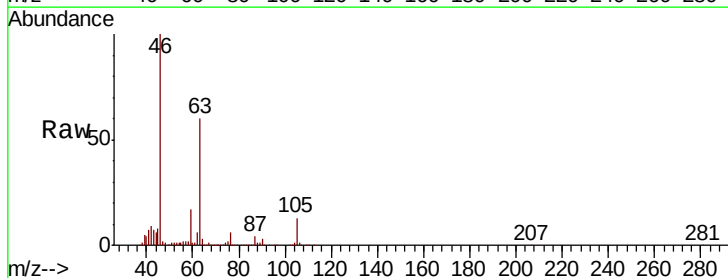
Ion Ratio Lower Upper

43 100

58 27.6 45.1 67.7#

57 34.9 16.0 24.0#

100 0.0 10.4 15.6#

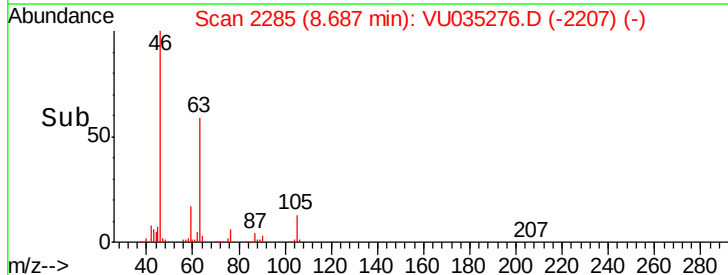
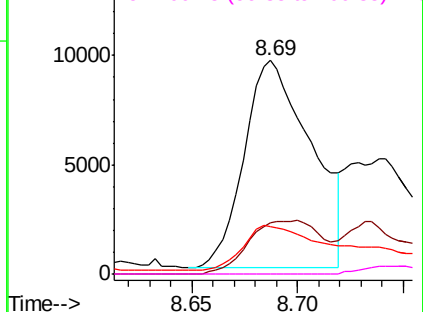


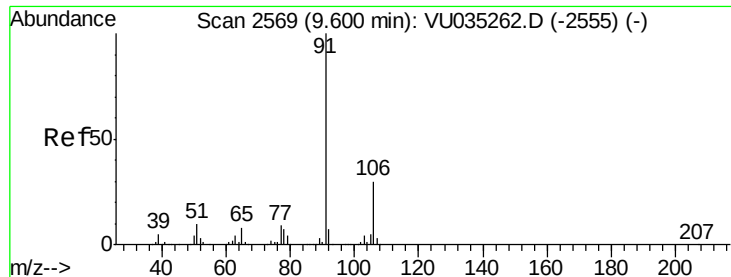
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#52

Ethylbenzene

Concen: 0.824 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

Instrument :

MSVOA_U

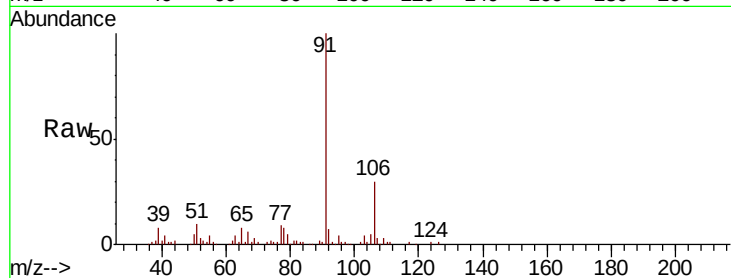
ClientSampleId :

Tot Ion: 91 Resp: 96539

Ion Ratio Lower Upper

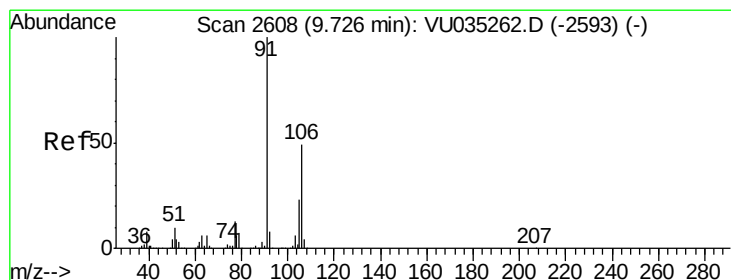
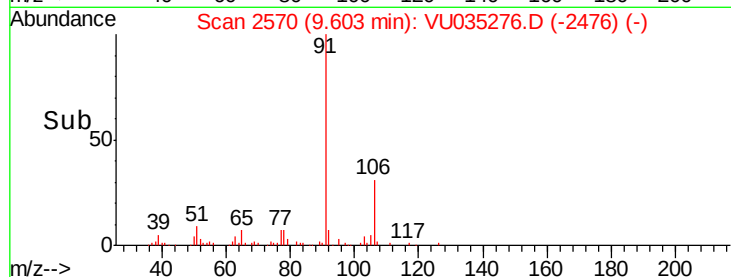
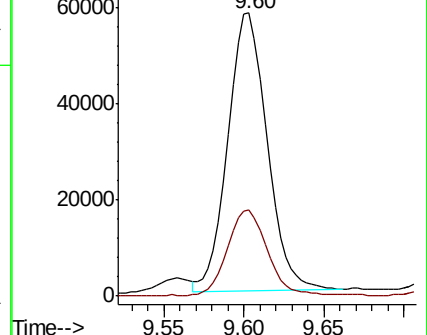
91 100

106 30.3 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035276.D (-2555) (-)

Ion 106.15 (105.85 to 106.85): VU035276.D (-2555) (-)



#53

m,p-Xylene

Concen: 0.174 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035276.D

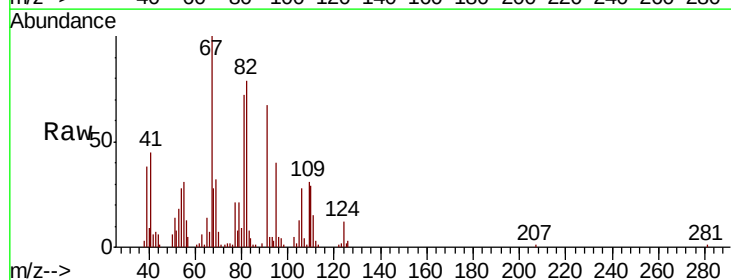
Acq: 18 Oct 2019 19:11

Tgt Ion: 106 Resp: 7719

Ion Ratio Lower Upper

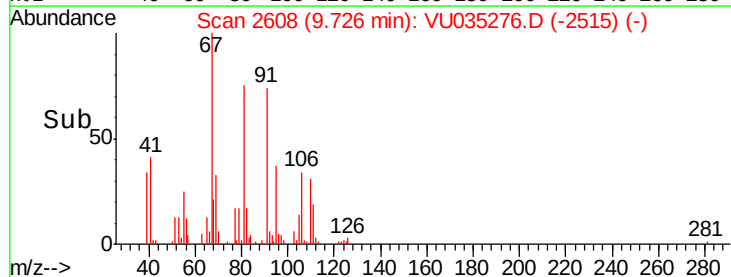
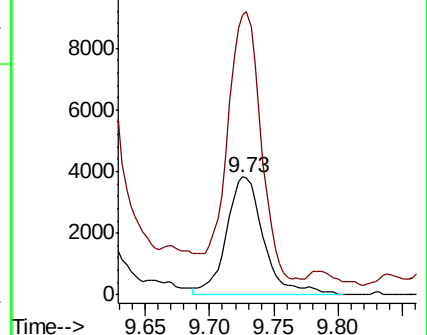
106 100

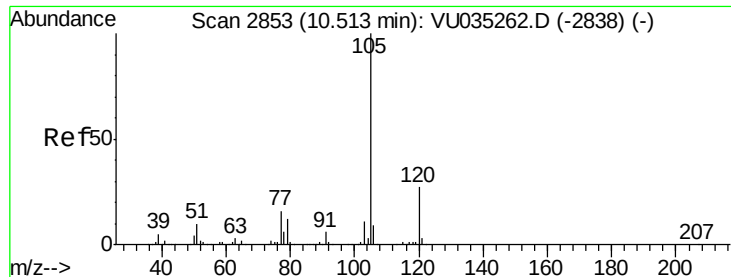
91 237.6 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): VU035276.D (-2593) (-)

Ion 91.15 (90.85 to 91.85): VU035276.D (-2593) (-)





#56

Isopropylbenzene

Concen: 0.265 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

Instrument :

MSVOA_U

ClientSampled :

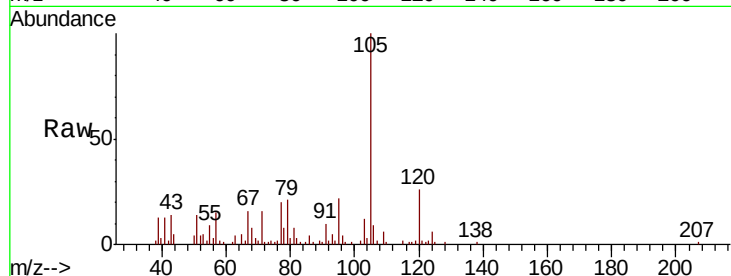
Tot Ion:105 Resp: 30804

Ion Ratio Lower Upper

105 100

120 27.2 21.0 31.6

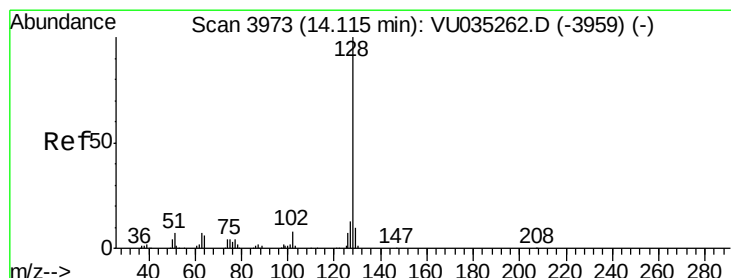
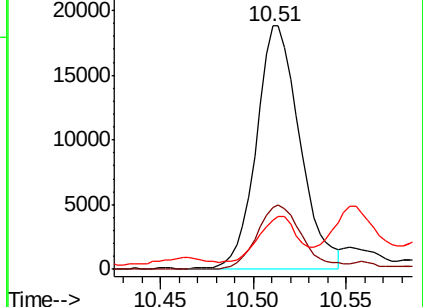
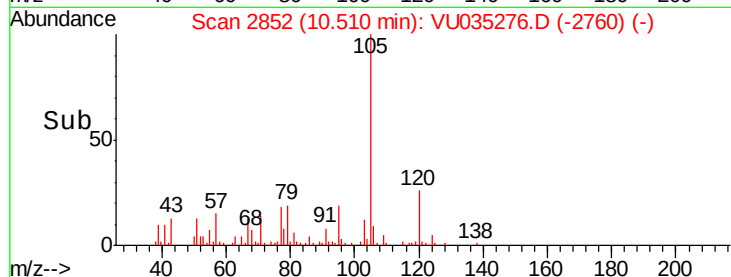
77 17.0 12.6 19.0



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



#69

Naphthalene

Concen: 0.198 ug/L

RT: 14.09 min Scan# 3964

Delta R.T. -0.03 min

Lab File: VU035276.D

Acq: 18 Oct 2019 19:11

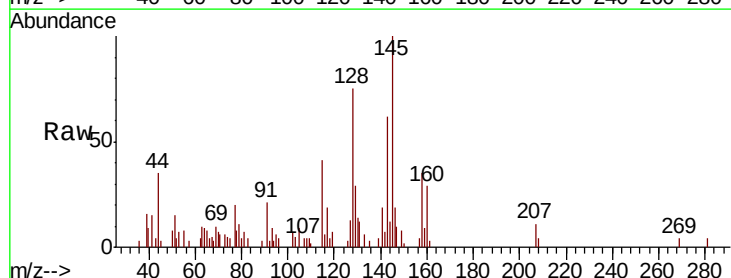
Tgt Ion:128 Resp: 4933

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 10.7 16.1#



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

