

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102819\
 Data File : VU035528.D
 Acq On : 28 Oct 2019 10:11
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 04:17:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 26 04:07:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	237570	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	246476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	140243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122811	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.93	69	102056	3.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.60%
11) 1,1-Dichloroethene-d2	2.60	63	209226	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.71	46	306568	49.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.04%
24) Chloroform-d	5.11	84	205033	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.75	65	103662	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
32) Benzene-d6	5.77	84	398028	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.73	67	131718	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.93	98	358209	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.21	79	53220	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.68	63	244057	57.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.84%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	109610	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	127818	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	139762	4.354	ug/L 99
3) Chloromethane	1.53	50	162957	4.345	ug/L 99
5) Vinyl chloride	1.62	62	166403	4.480	ug/L 99
6) Bromomethane	1.87	94	86226	4.461	ug/L 100
8) Chloroethane	1.95	64	97729	4.461	ug/L 100
9) Trichlorofluoromethane	2.16	101	191449	4.449	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	107680	4.442	ug/L 99
12) 1,1-Dichloroethene	2.61	96	102151	4.519	ug/L 95
13) Acetone	2.68	43	217013	45.690	ug/L 98
14) Carbon disulfide	2.82	76	350540	4.382	ug/L 99
15) Methyl Acetate	3.00	43	52639	4.835	ug/L 98
16) Methylene chloride	3.08	84	123269	4.209	ug/L 98
17) Methyl tert-butyl Ether	3.43	73	260544	4.766	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	113657	4.621	ug/L 99
19) 1,1-Dichloroethane	3.92	63	221213	4.558	ug/L 99
21) 2-Butanone	4.78	43	335597	48.699	ug/L 100
22) cis-1,2-Dichloroethene	4.72	96	122261	4.660	ug/L 100

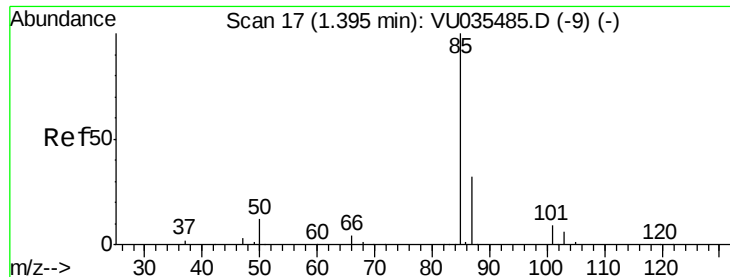
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102819\
 Data File : VU035528.D
 Acq On : 28 Oct 2019 10:11
 Operator : JC/SP
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 ClientSampleId :

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 26 04:07:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	55194	4.549	ug/L	98
25) Chloroform	5.14	83	218811	4.251	ug/L	98
27) 1,2-Dichloroethane	5.84	62	134521	4.429	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	179261	4.840	ug/L	99
30) Cyclohexane	5.43	56	189410	5.006	ug/L	100
31) Carbon tetrachloride	5.57	117	159359	4.822	ug/L	99
33) Benzene	5.82	78	483716	4.927	ug/L	100
34) Trichloroethene	6.58	95	121196	5.025	ug/L	98
35) Methylcyclohexane	6.80	83	194260	5.205	ug/L	97
37) 1,2-Dichloropropane	6.83	63	125596	4.842	ug/L	99
38) Bromodichloromethane	7.14	83	157574	4.897	ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	179470	4.972	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	793359	51.662	ug/L	99
42) Toluene	8.00	91	501924	5.009	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	152250	5.332	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	84806	4.708	ug/L	100
47) Tetrachloroethene	8.58	164	95620	4.829	ug/L	99
48) 2-Hexanone	8.73	43	550145	53.269	ug/L	96
49) Dibromochloromethane	8.84	129	103791	4.924	ug/L	96
50) 1,2-Dibromoethane	8.96	107	82272	4.915	ug/L	95
51) Chlorobenzene	9.48	112	316288	5.009	ug/L	98
52) Ethylbenzene	9.60	91	533745	5.099	ug/L	99
53) m,p-Xylene	9.72	106	204061	5.339	ug/L	100
54) o-Xylene	10.13	106	196026	5.264	ug/L	98
55) Styrene	10.14	104	327031	5.377	ug/L	100
56) Isopropylbenzene	10.51	105	515310	5.299	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	114675	4.868	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	80712	4.856	ug/L	98
61) Bromoform	10.32	173	60275	4.424	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	241467	5.042	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	237410	4.982	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	221500	4.814	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	15250	4.937	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	165861	5.607	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	101742	6.185	ug/L	98
69) Naphthalene	14.11	128	130239	5.799	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	98924	6.036	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.354 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

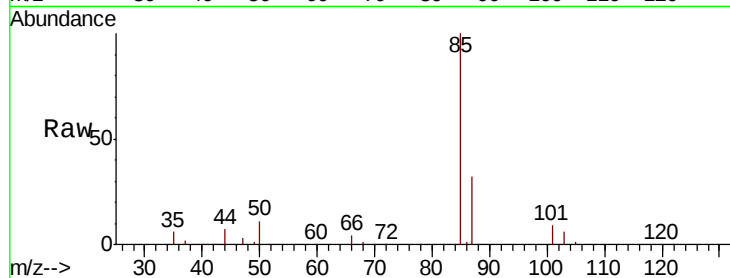
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 139762

Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035485.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035485.D (-9) (-)

1.40

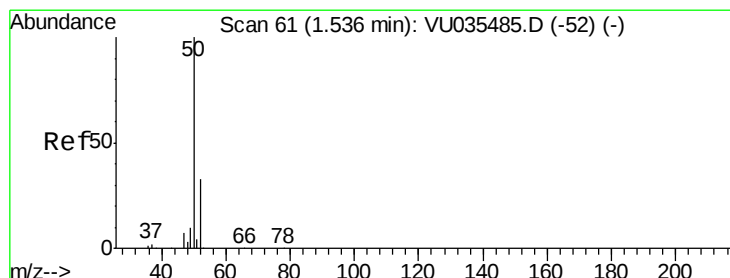
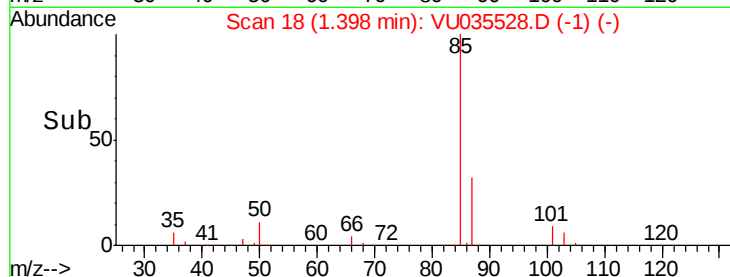
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.345 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035528.D

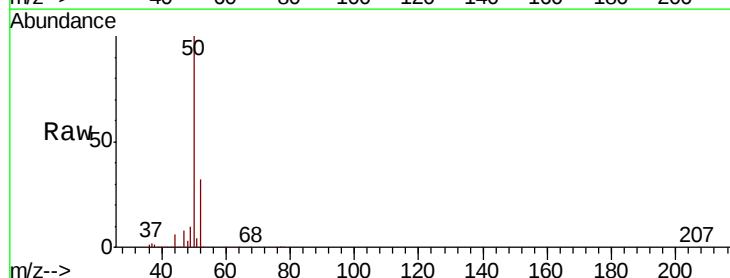
Acq: 28 Oct 2019 10:11

Tgt Ion: 50 Resp: 162957

Ion Ratio Lower Upper

50 100

52 31.7 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035485.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035485.D (-52) (-)

1.53

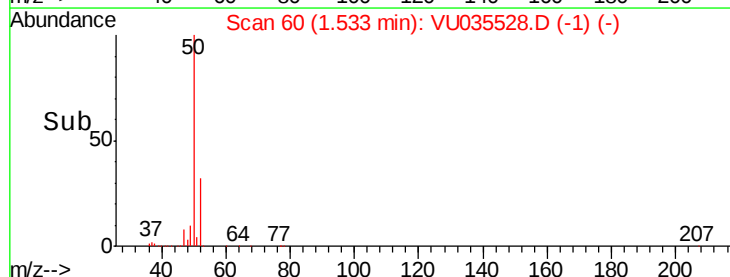
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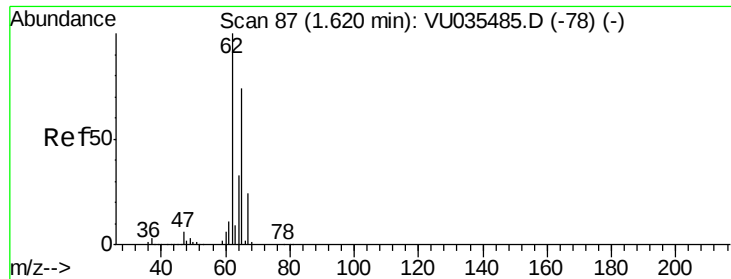
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.480 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :

MSVOA_U

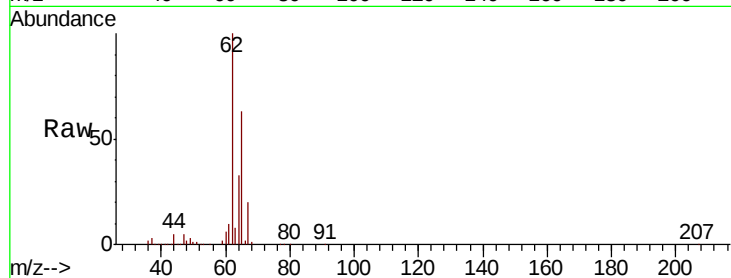
ClientSampleId :

Tot Ion: 62 Resp: 166403

Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035485.D (-78) (-)

Ion 64.10 (63.80 to 64.80): VU035485.D (-78) (-)

1.62

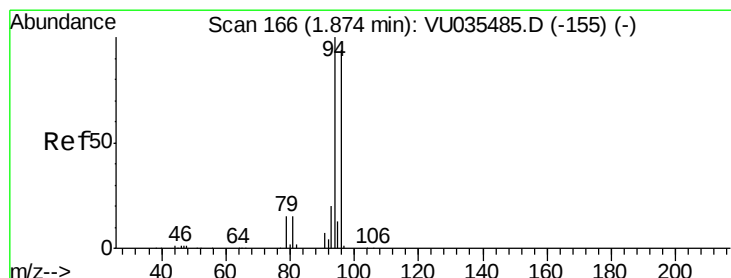
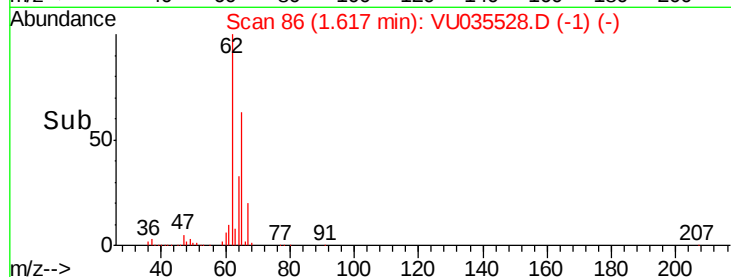
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 4.461 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035528.D

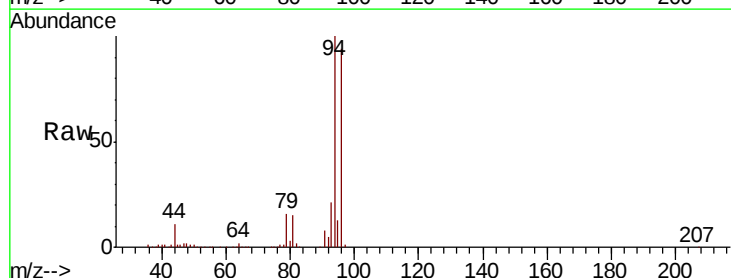
Acq: 28 Oct 2019 10:11

Tgt Ion: 94 Resp: 86226

Ion Ratio Lower Upper

94 100

96 94.3 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU035485.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035485.D (-155) (-)

1.87

80000

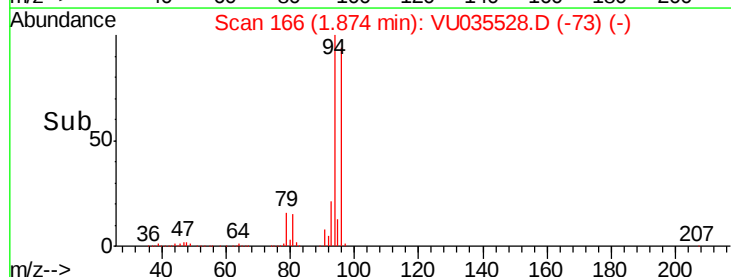
60000

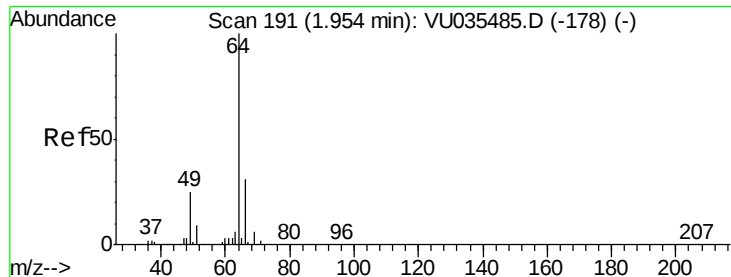
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

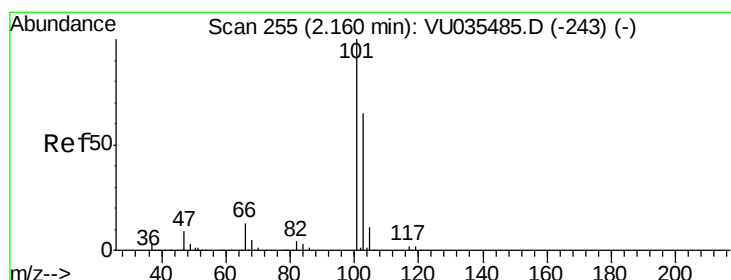
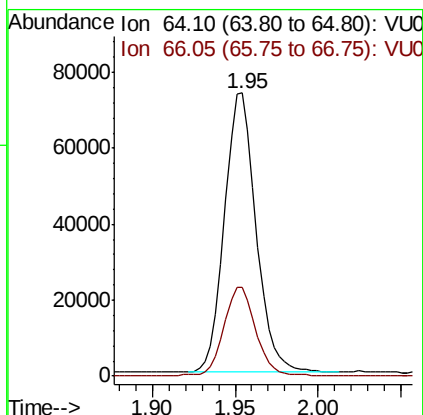
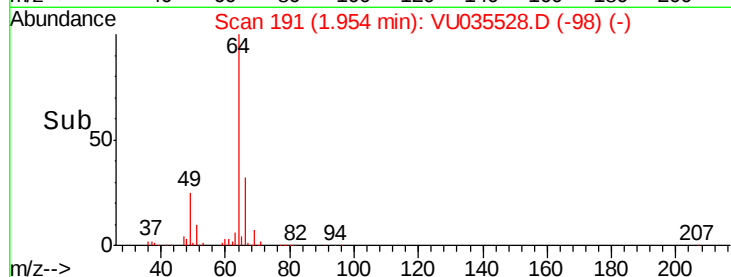
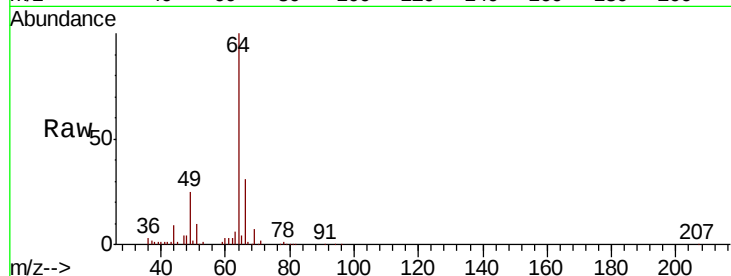




#8
Chloroethane
Concen: 4.461 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

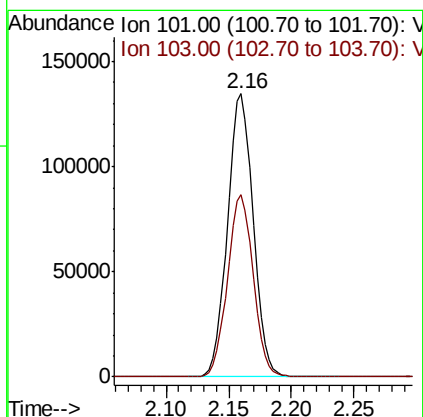
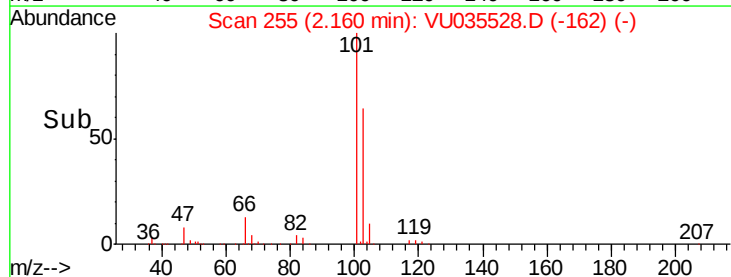
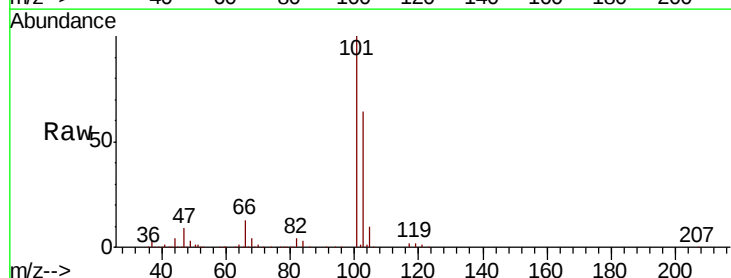
Instrument :
MSVOA_U
ClientSampleId :

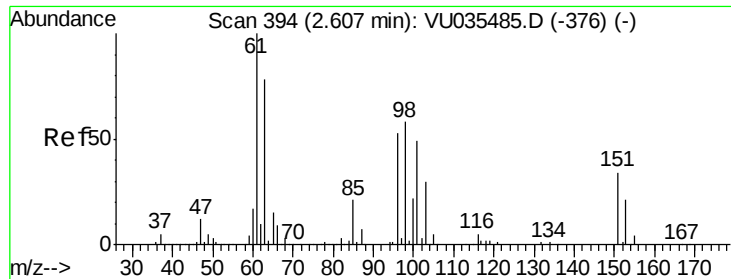
Tot Ion: 64 Resp: 97729
Ion Ratio Lower Upper
64 100
66 31.3 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.449 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Tgt Ion: 101 Resp: 191449
Ion Ratio Lower Upper
101 100
103 64.4 51.2 76.8





#10

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

Concen: 4.442 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :

MSVOA_U

ClientSampled :

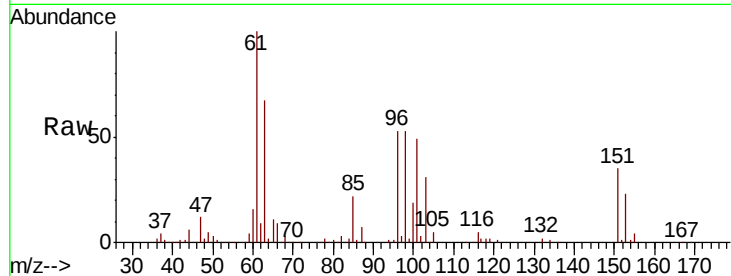
Tot Ion:101 Resp: 107680

Ion Ratio Lower Upper

101 100

85 44.2 34.7 52.1

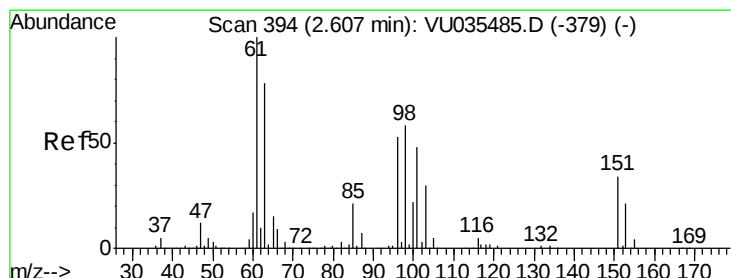
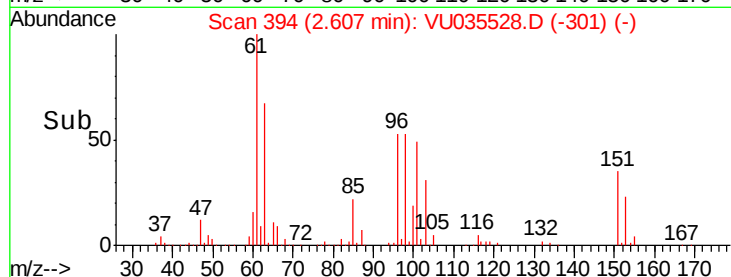
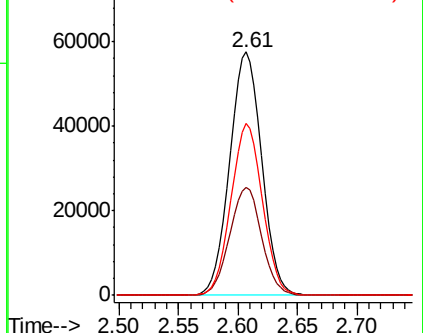
151 69.1 54.8 82.2



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: 4.519 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

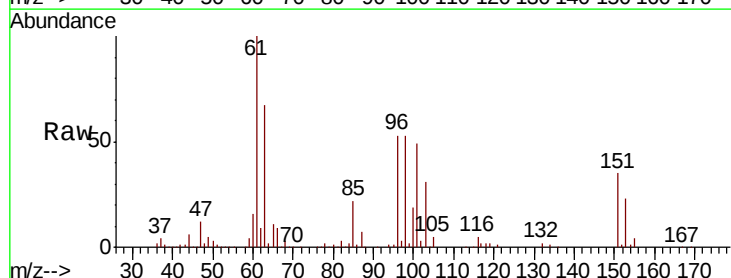
Tgt Ion: 96 Resp: 102151

Ion Ratio Lower Upper

96 100

61 188.3 131.9 244.9

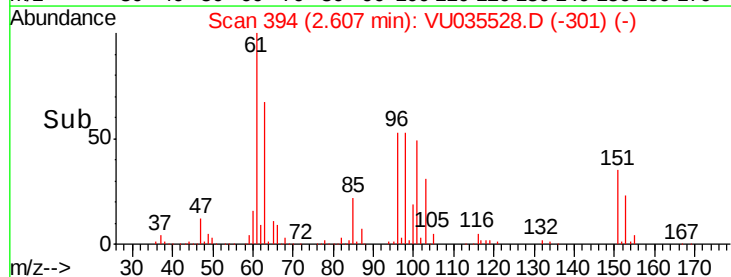
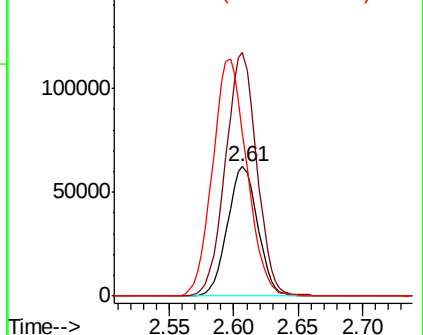
63 125.6 97.0 180.2

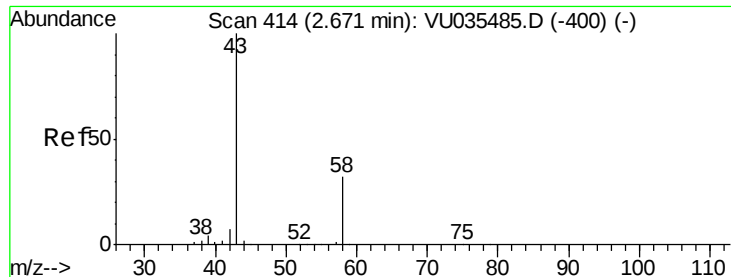


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.690 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :

MSVOA_U

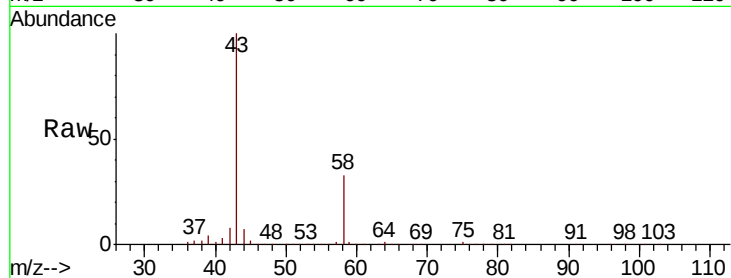
ClientSampled :

Tot Ion: 43 Resp: 217013

Ion Ratio Lower Upper

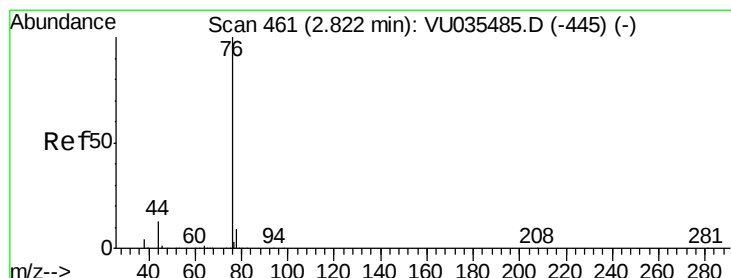
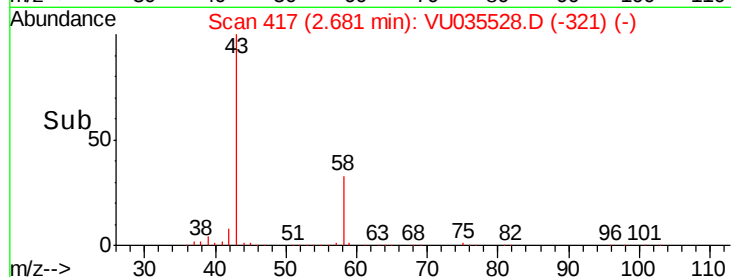
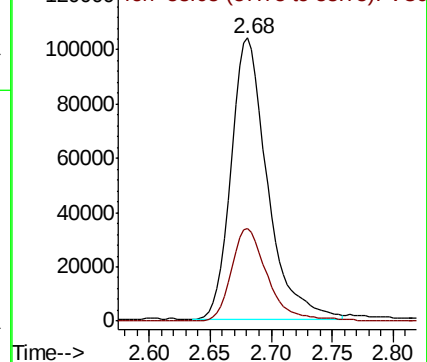
43 100

58 32.9 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU035528.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU035528.D (-321) (-)



#14

Carbon disulfide

Concen: 4.382 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035528.D

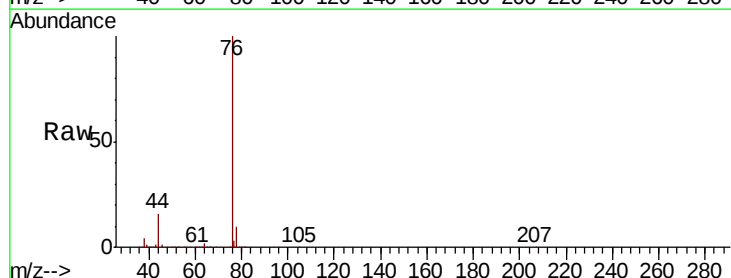
Acq: 28 Oct 2019 10:11

Tgt Ion: 76 Resp: 350540

Ion Ratio Lower Upper

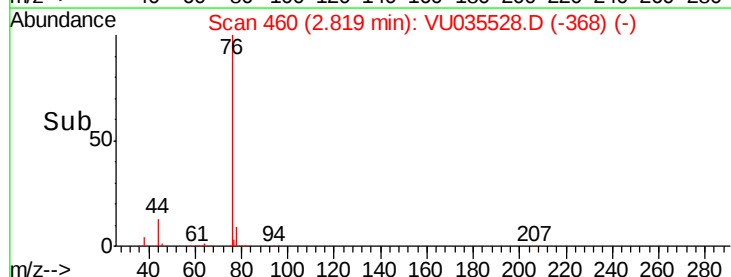
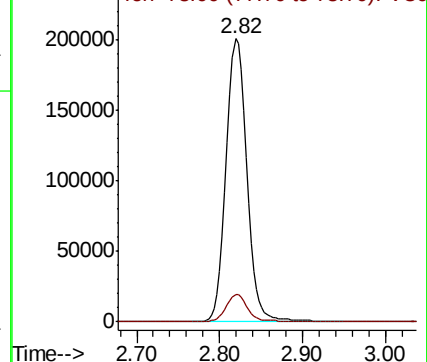
76 100

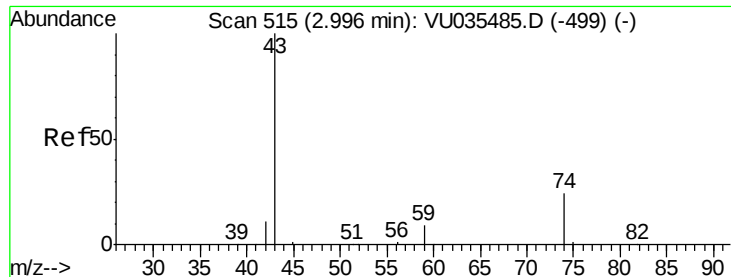
78 9.6 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035528.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU035528.D (-368) (-)

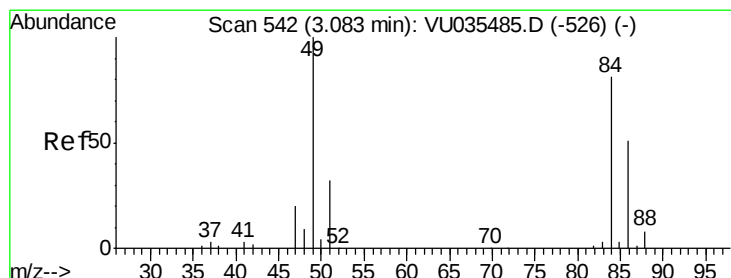
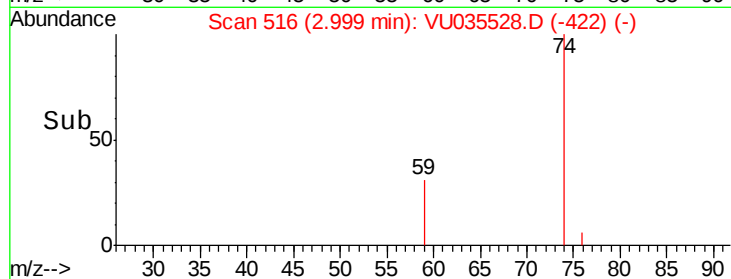
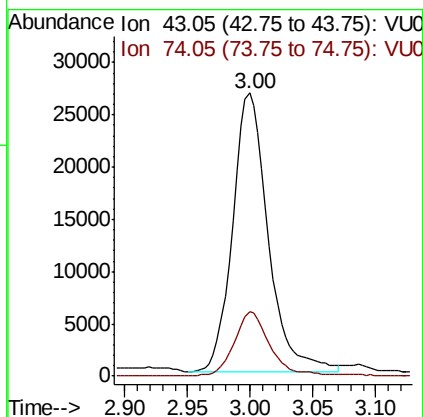
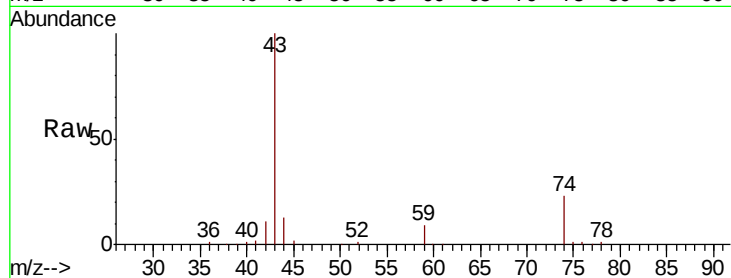




#15
Methyl Acetate
Concen: 4.835 ug/L
RT: 3.00 min Scan# 516
Delta R.T. 0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

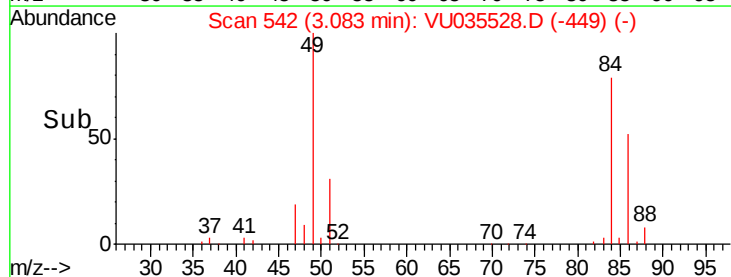
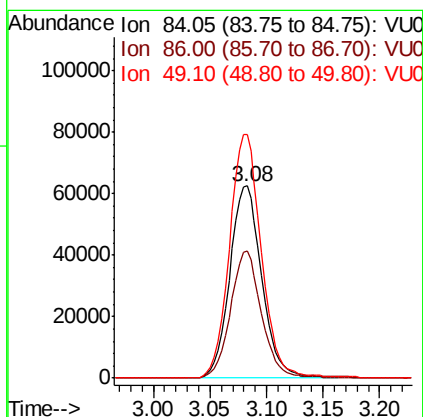
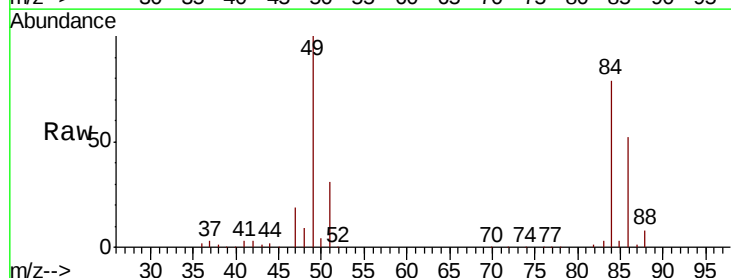
Instrument :
MSVOA_U
ClientSampled :

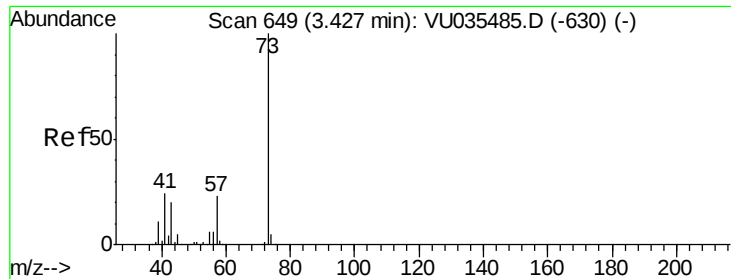
Tot Ion: 43 Resp: 52639
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2



#16
Methylene chloride
Concen: 4.209 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Tgt Ion: 84 Resp: 123269
Ion Ratio Lower Upper
84 100
86 65.9 43.7 81.1
49 126.4 89.5 166.3



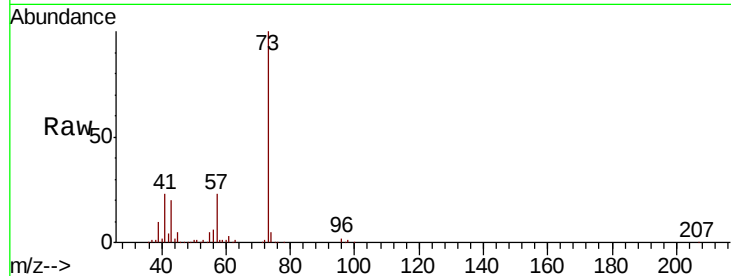


#17

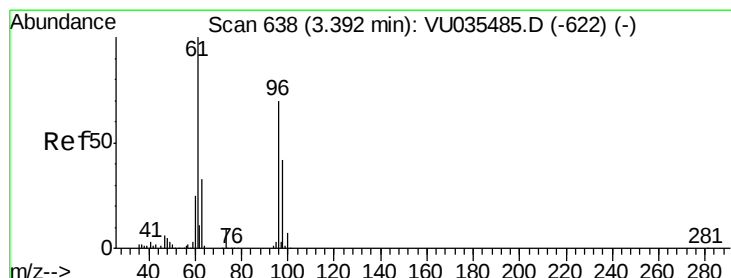
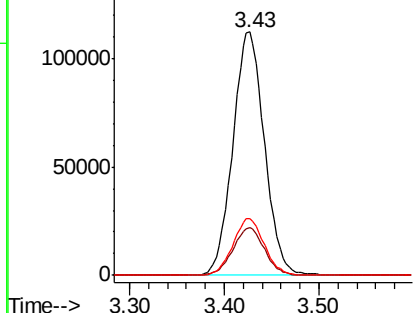
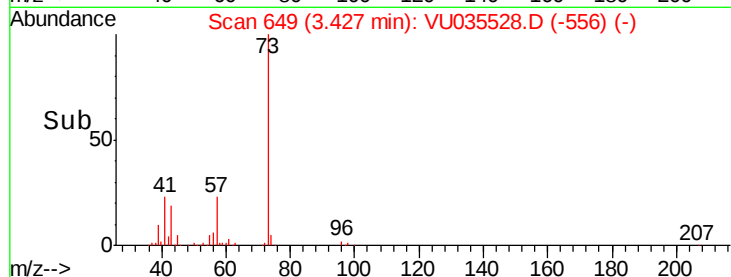
Methvl tert-butvl Ether
 Concen: 4.766 ug/L
 RT: 3.43 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 73 Resp: 260544
 Ion Ratio Lower Upper
 73 100
 43 19.2 15.8 23.8
 57 23.1 19.0 28.6



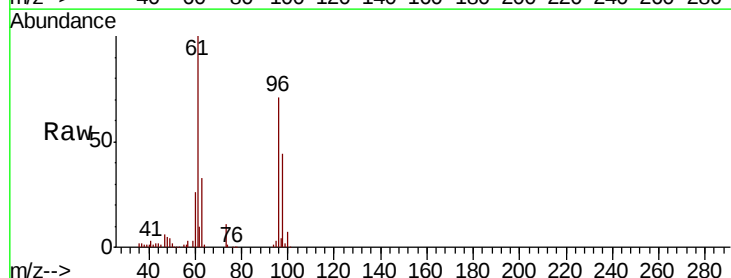
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



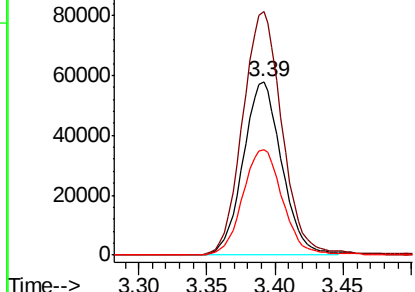
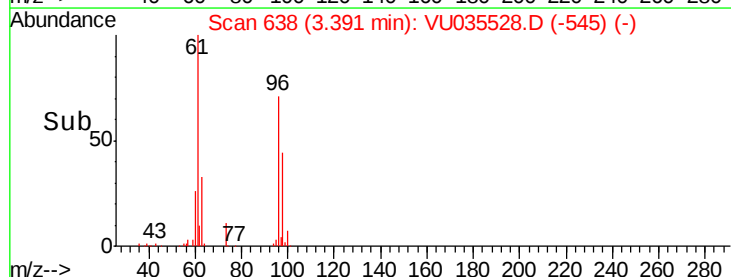
#18

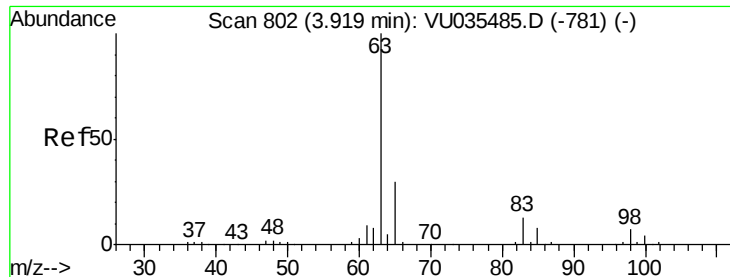
trans-1,2-Dichloroethene
 Concen: 4.621 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Tgt Ion: 96 Resp: 113657
 Ion Ratio Lower Upper
 96 100
 61 140.1 99.0 184.0
 98 61.0 43.8 81.4



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

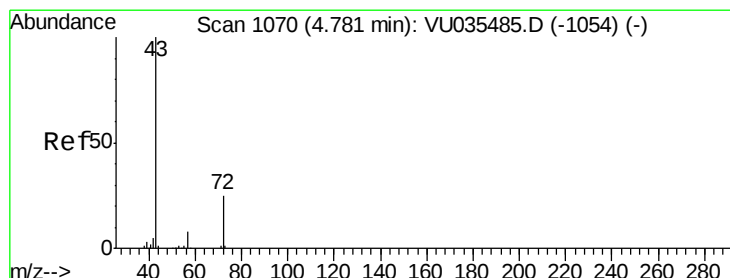
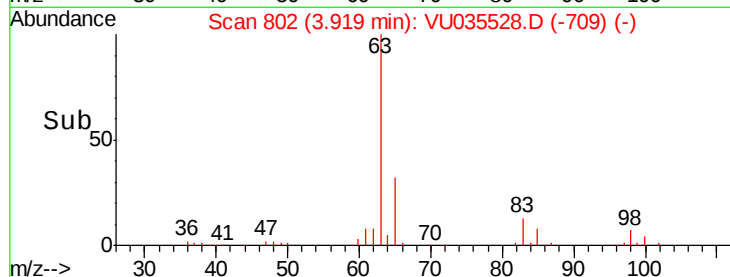
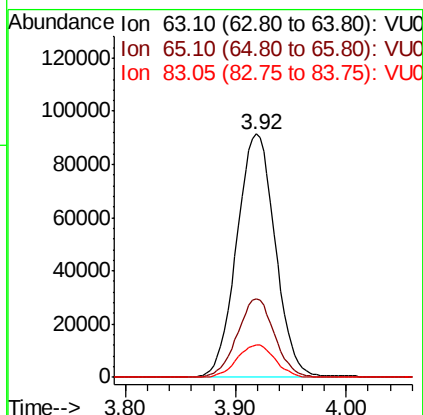
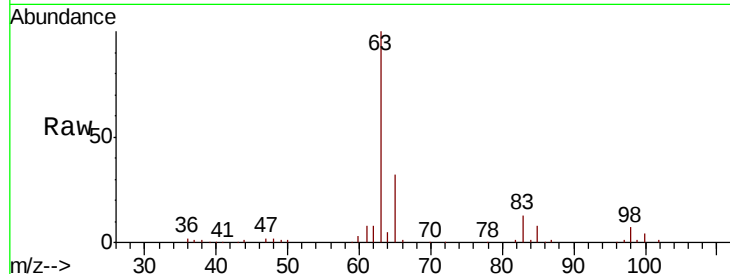




#19
 1,1-Dichloroethane
 Concen: 4.558 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

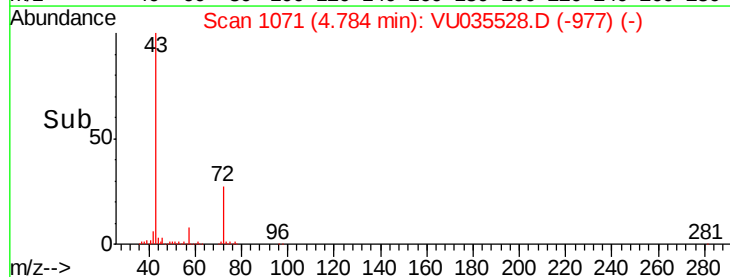
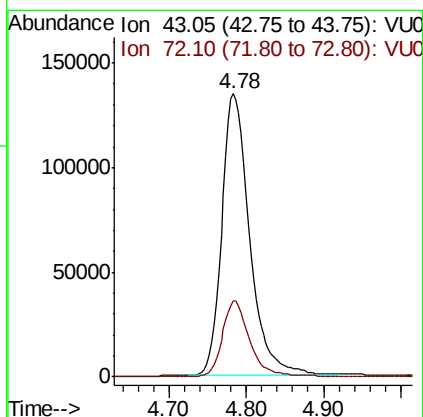
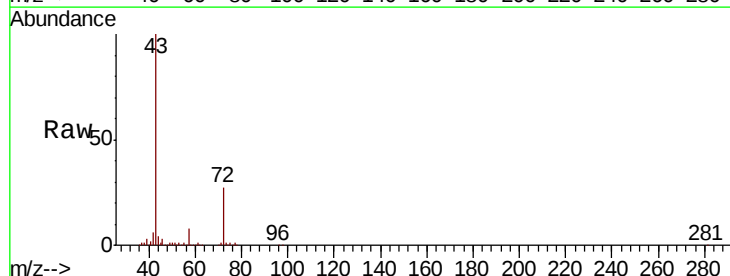
Instrument :
 MSVOA_U
 ClientSampled :

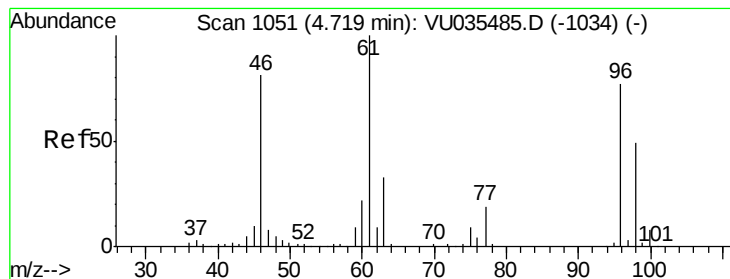
Tot Ion: 63 Resp: 221213
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.0 41.0
 83 13.3 9.2 17.2



#21
 2-Butanone
 Concen: 48.699 ug/L
 RT: 4.78 min Scan# 1071
 Delta R.T. 0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Tgt Ion: 43 Resp: 335597
 Ion Ratio Lower Upper
 43 100
 72 25.9 12.9 38.7





#22

cis-1,2-Dichloroethene

Concen: 4.660 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :
MSVOA_U
ClientSampled :

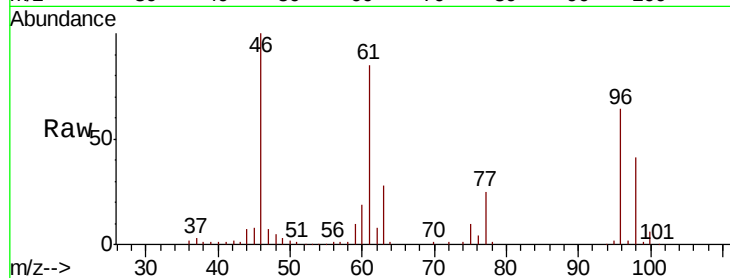
Tot Ion: 96 Resp: 122261

Ion Ratio Lower Upper

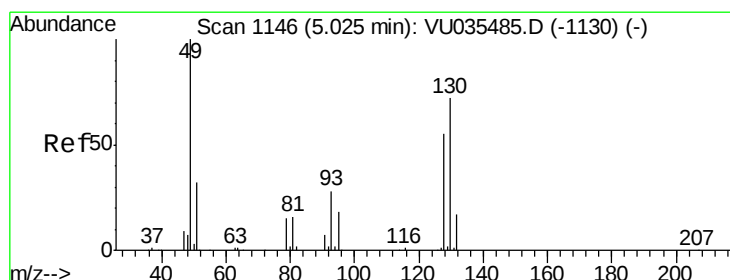
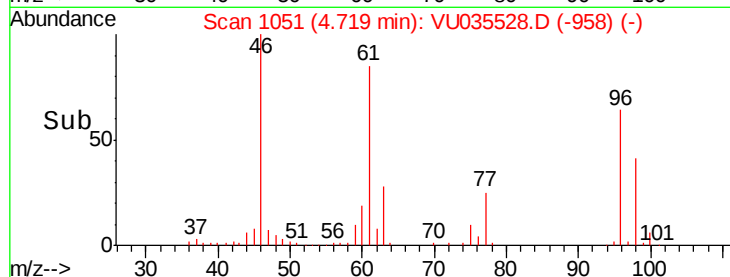
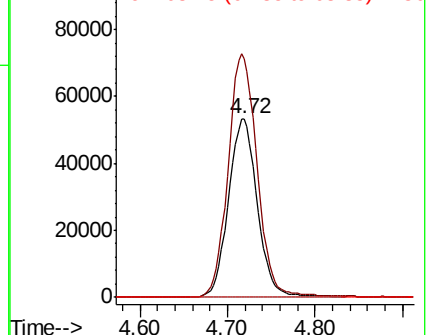
96 100

61 133.3 93.6 173.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.549 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Tgt Ion:128 Resp: 55194

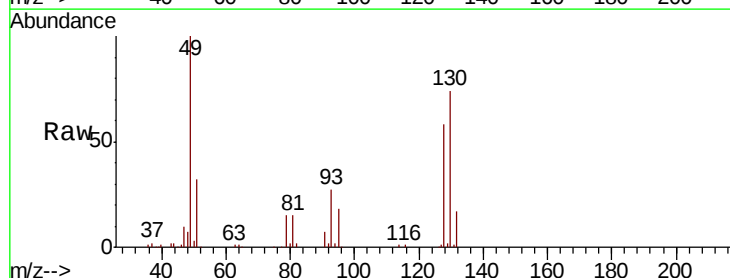
Ion Ratio Lower Upper

128 100

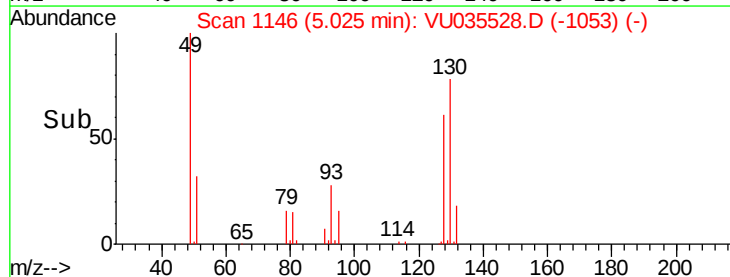
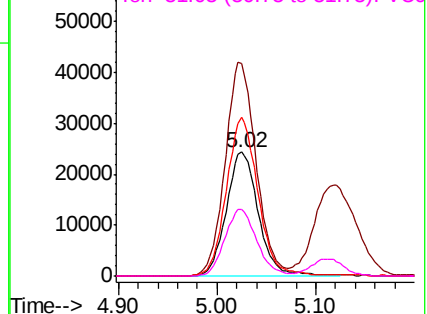
49 172.3 122.2 226.9

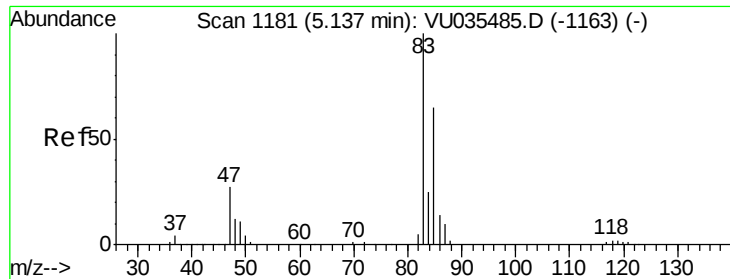
130 128.2 87.9 163.3

51 54.3 41.0 61.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

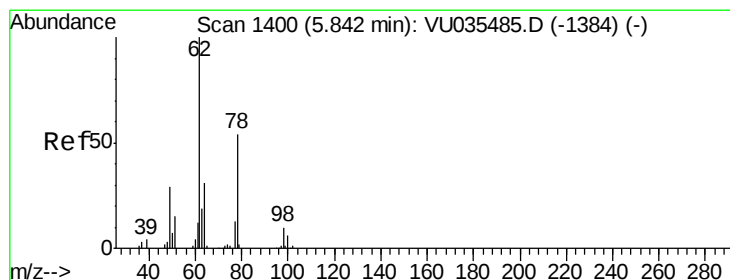
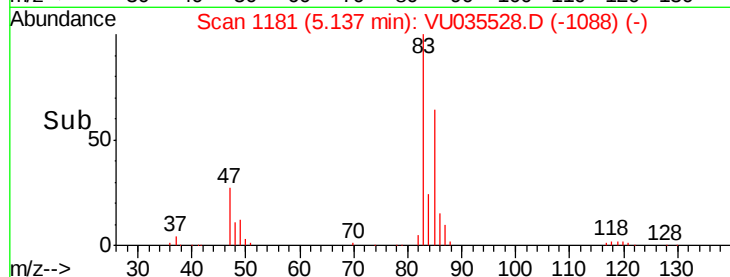
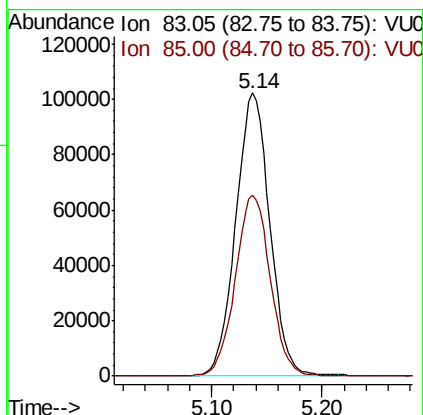
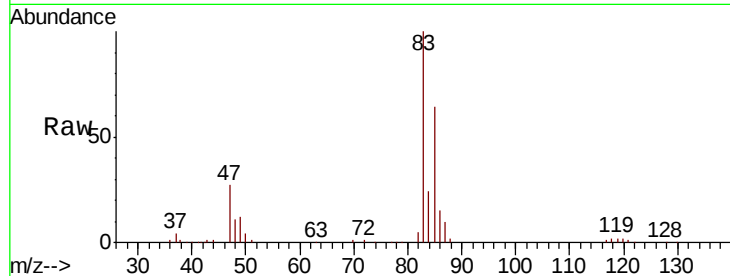




#25
Chloroform
Concen: 4.251 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

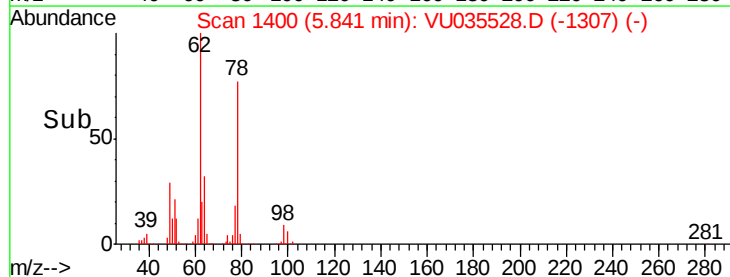
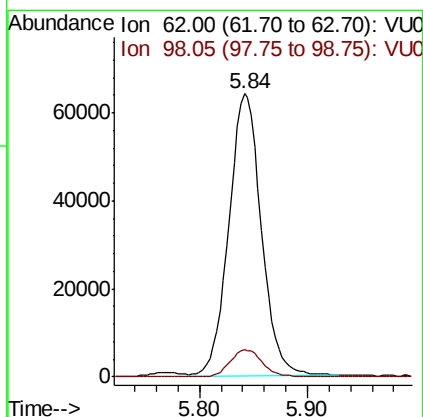
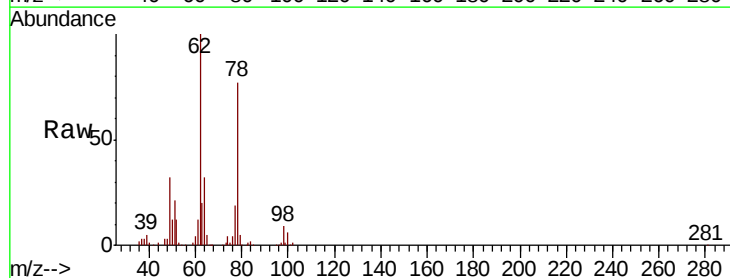
Instrument :
MSVOA_U
ClientSampleId :

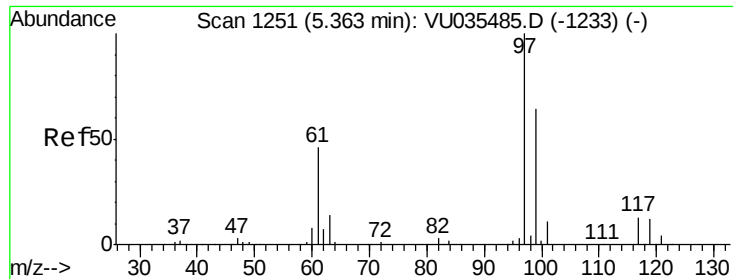
Tot Ion: 83 Resp: 218811
Ion Ratio Lower Upper
83 100
85 63.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.429 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Tgt Ion: 62 Resp: 134521
Ion Ratio Lower Upper
62 100
98 9.5 7.6 11.4

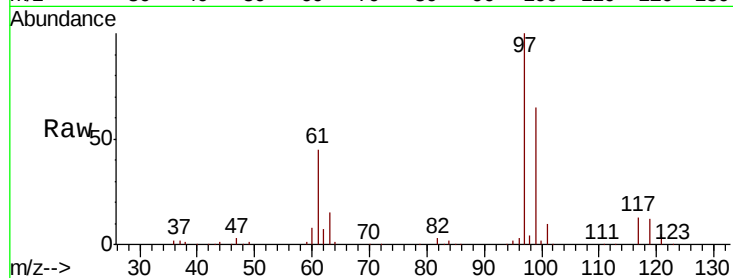




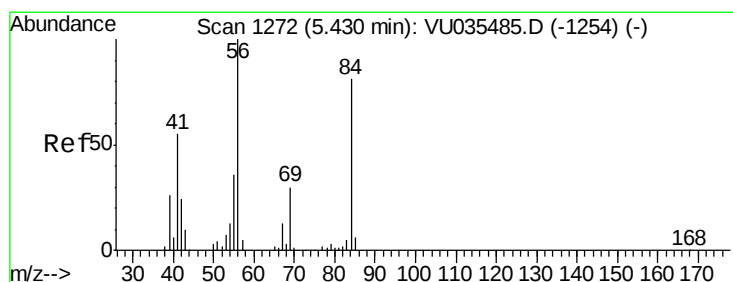
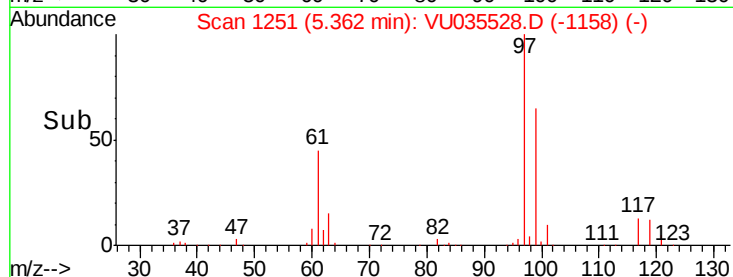
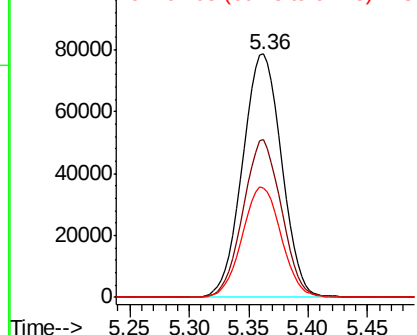
#29
1,1,1-Trichloroethane
Concen: 4.840 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 179261
Ion Ratio Lower Upper
97 100
99 63.8 51.1 76.7
61 45.2 37.9 56.9

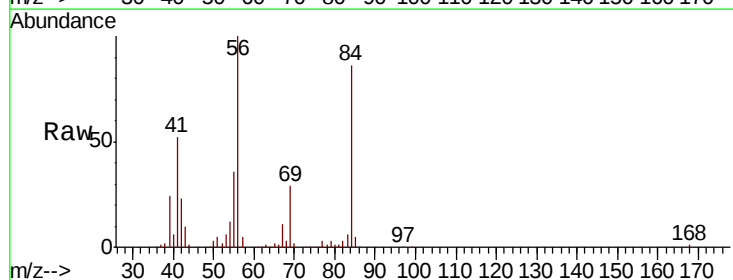


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

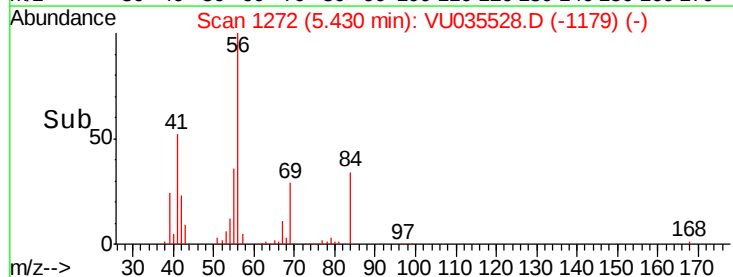
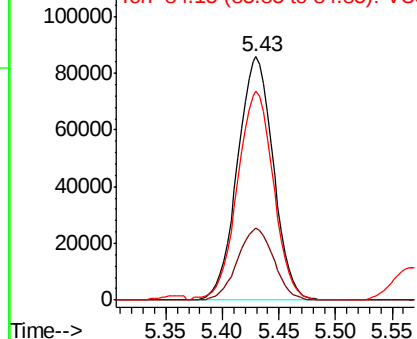


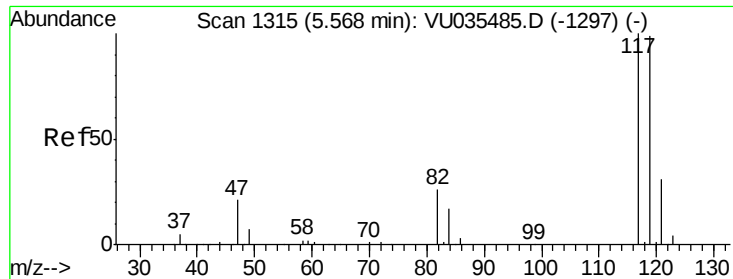
#30
Cyclohexane
Concen: 5.006 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Tgt Ion: 56 Resp: 189410
Ion Ratio Lower Upper
56 100
69 30.0 23.9 35.9
84 86.5 69.4 104.2



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: 4.822 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :

MSVOA_U

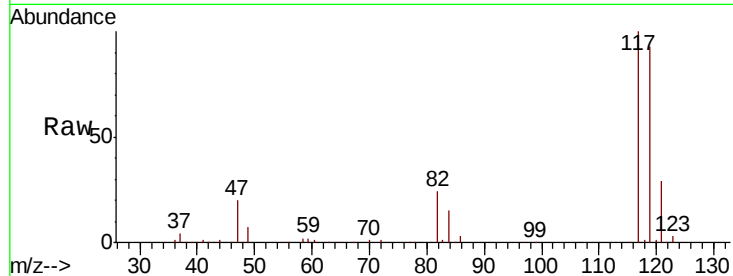
ClientSampleId :

Tot Ion:117 Resp: 159359

Ion Ratio Lower Upper

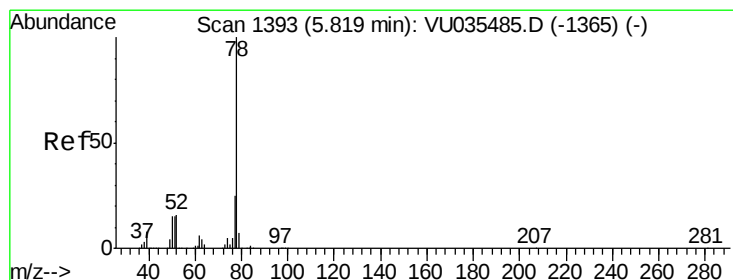
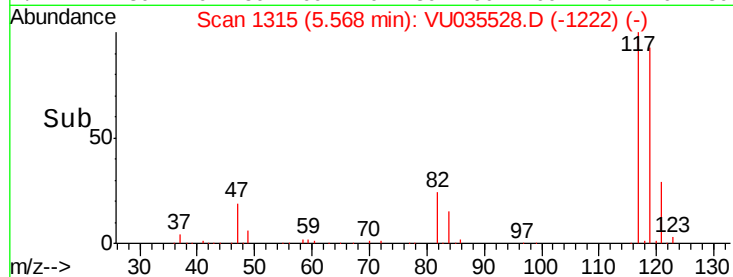
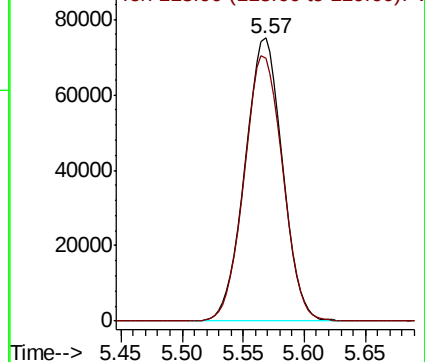
117 100

119 96.4 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.927 ug/L

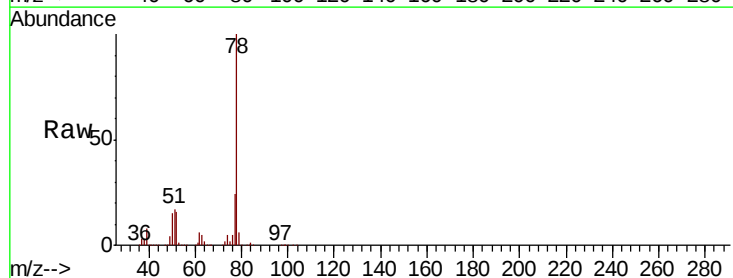
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

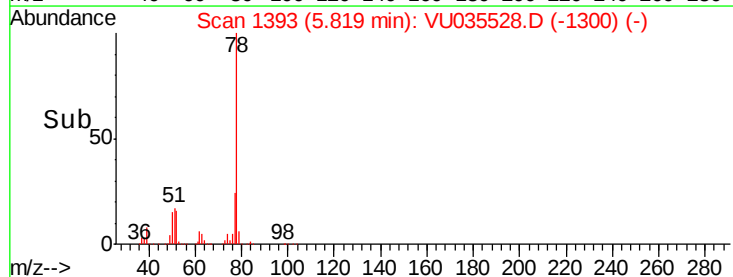
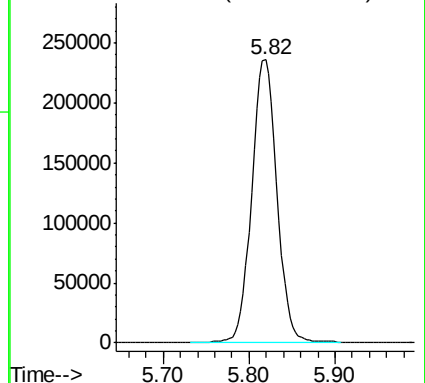
Lab File: VU035528.D

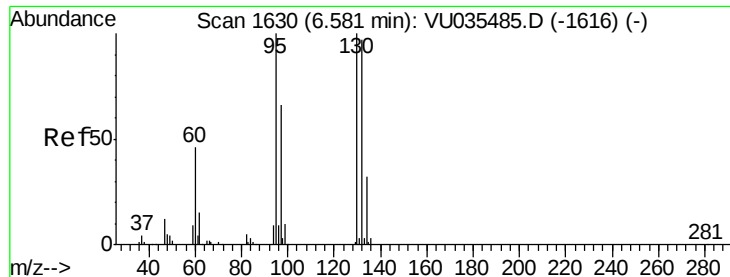
Acq: 28 Oct 2019 10:11

Tgt Ion: 78 Resp: 483716



Abundance Ion 78.10 (77.80 to 78.80): VU0

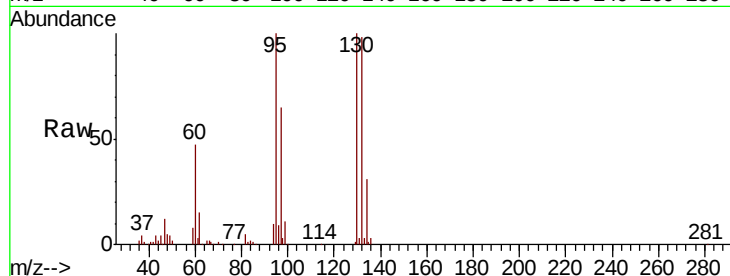




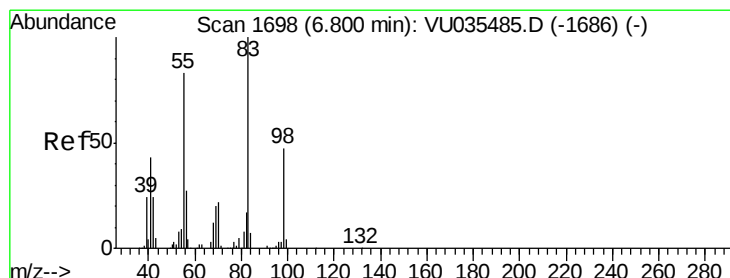
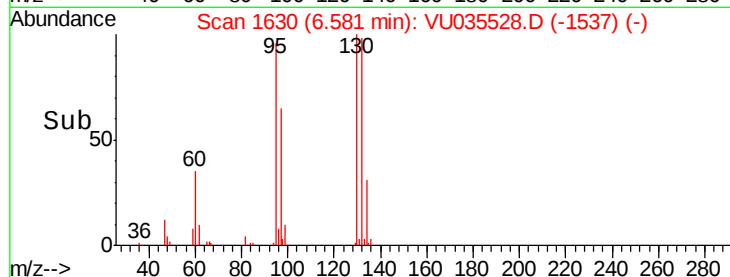
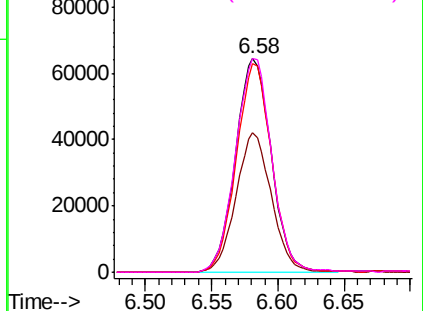
#34
 Trichloroethene
 Concen: 5.025 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	121196
Ion	Ratio	Lower	Upper
95	100		
97	65.2	43.8	81.4
132	97.7	67.3	124.9
130	99.9	70.6	131.2

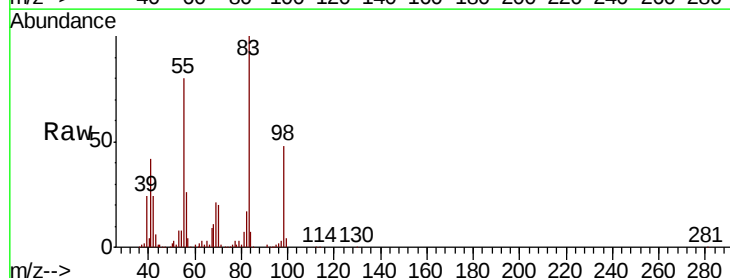


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

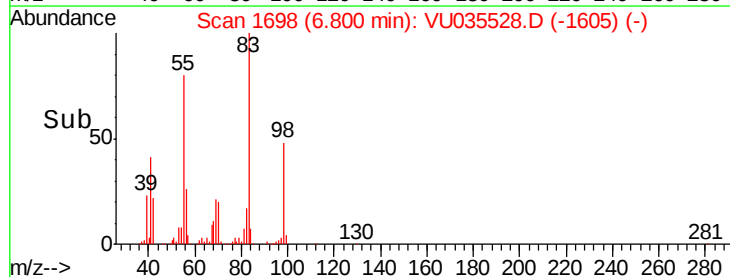
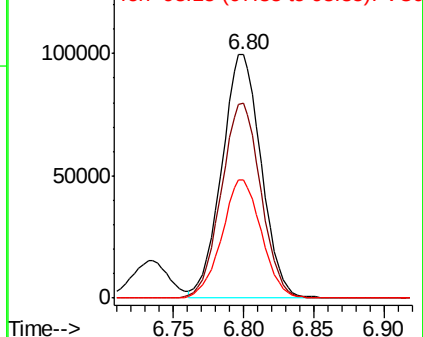


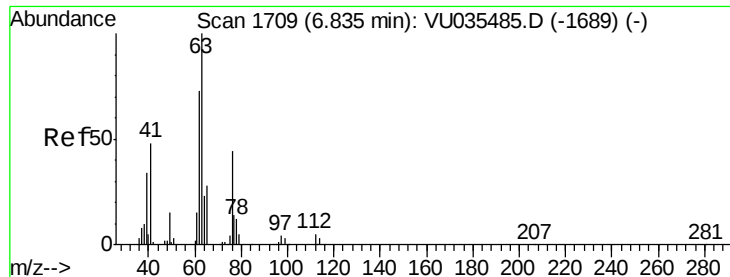
#35
 Methylcyclohexane
 Concen: 5.205 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Tgt Ion:	83	Resp:	194260
Ion	Ratio	Lower	Upper
83	100		
55	80.3	67.3	100.9
98	48.9	39.0	58.6



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

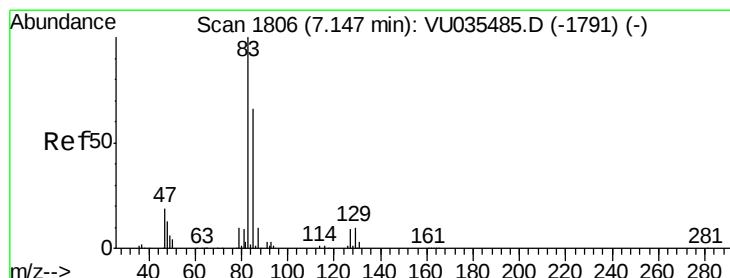
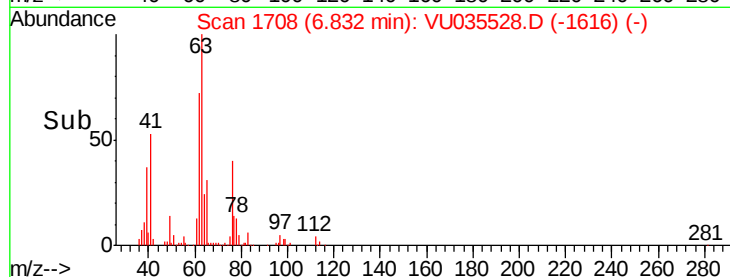
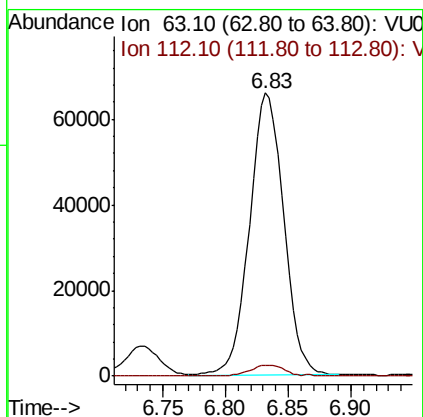
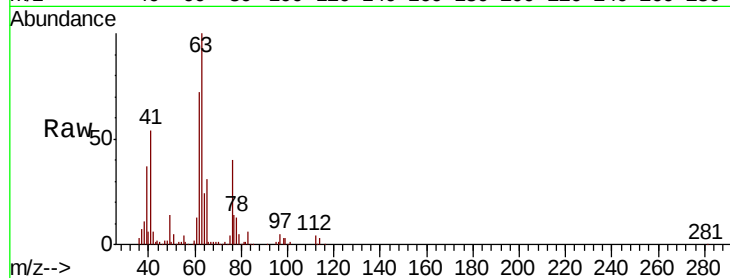




#37
 1,2-Dichloropropane
 Concen: 4.842 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

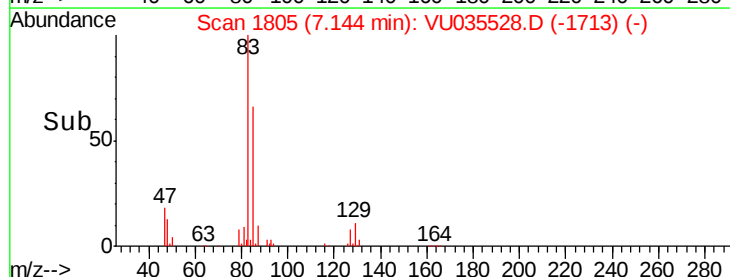
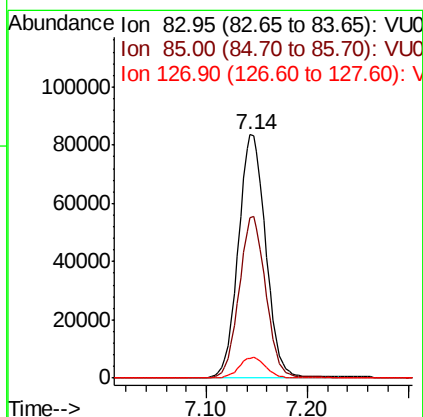
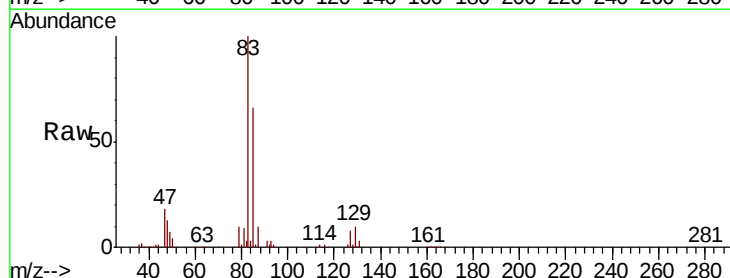
Instrument :
 MSVOA_U
 ClientSampleId :

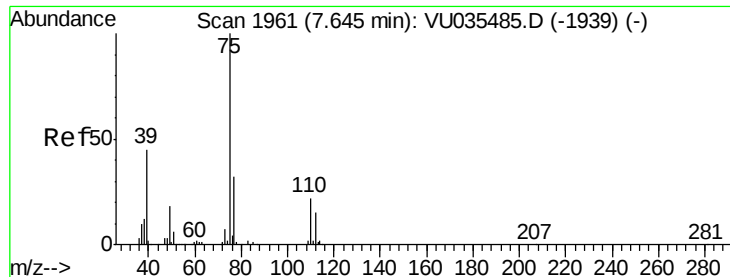
Tot Ion: 63 Resp: 125596
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.897 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Tgt Ion: 83 Resp: 157574
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.2 82.2
 127 8.3 6.6 9.8

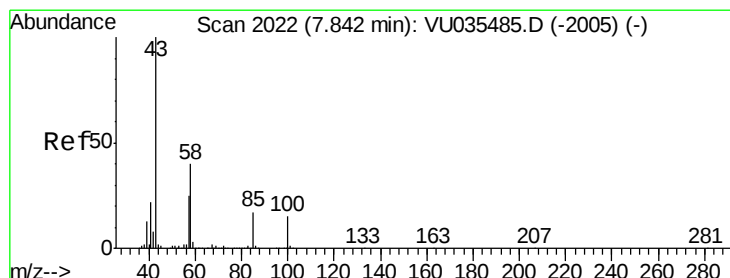
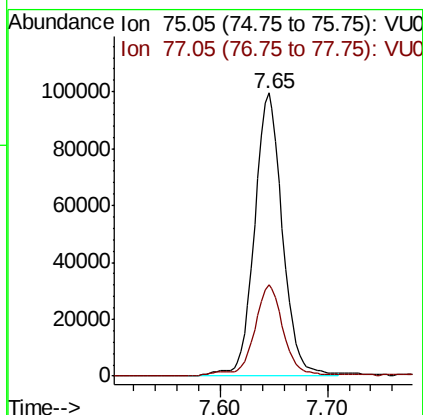
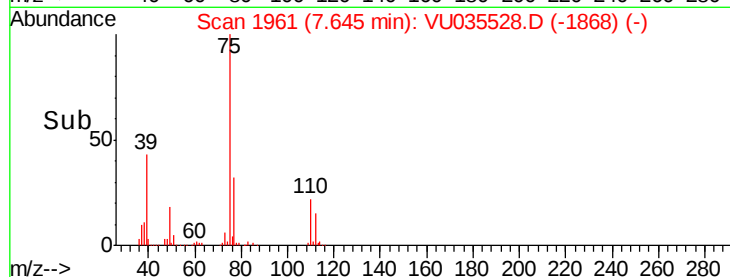
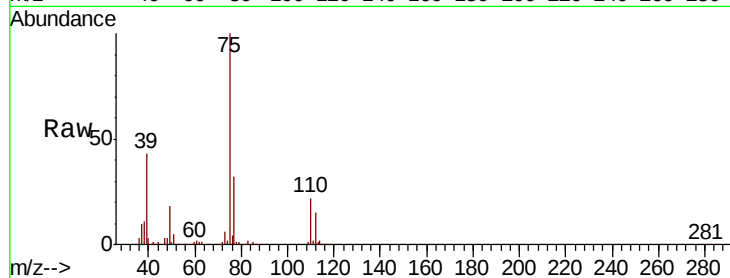




#39
 cis-1,3-Dichloropropene
 Concen: 4.972 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

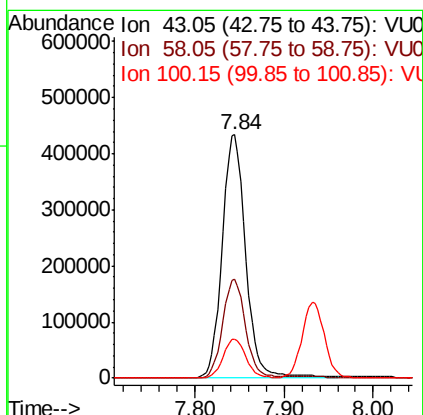
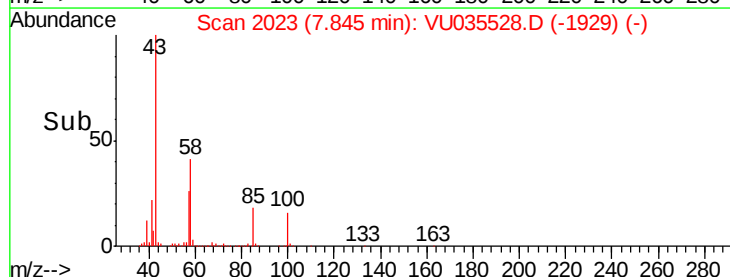
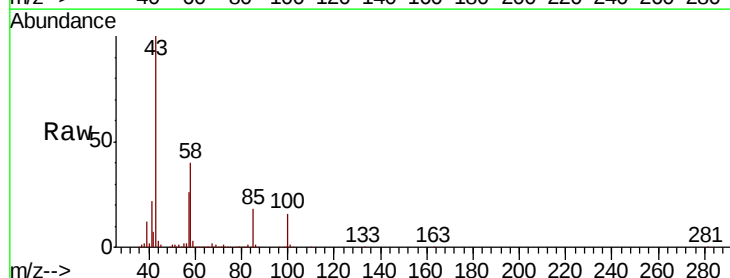
Instrument :
 MSVOA_U
 ClientSampled :

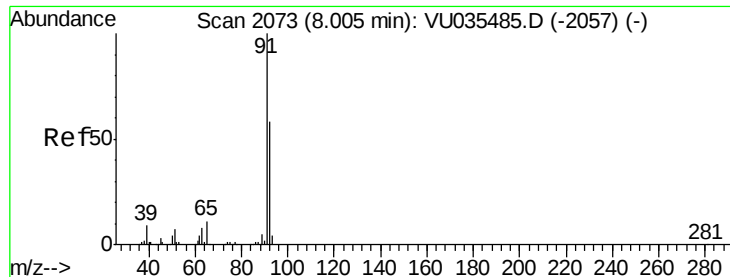
Tot Ion: 75 Resp: 179470
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 51.662 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Tgt Ion: 43 Resp: 793359
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.6 47.4
 100 15.5 11.8 17.8





#42

Toluene

Concen: 5.009 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :

MSVOA_U

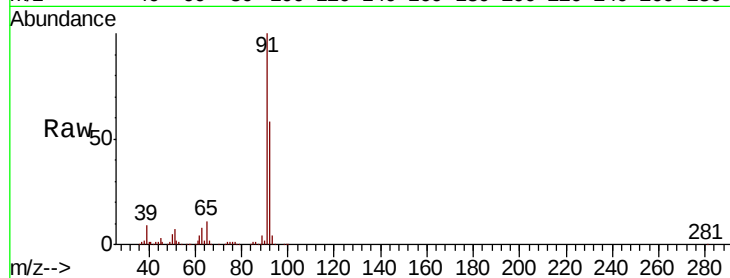
ClientSampleId :

Tot Ion: 91 Resp: 501924

Ion Ratio Lower Upper

91 100

92 57.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035485.D (-2057) (-)

8.00

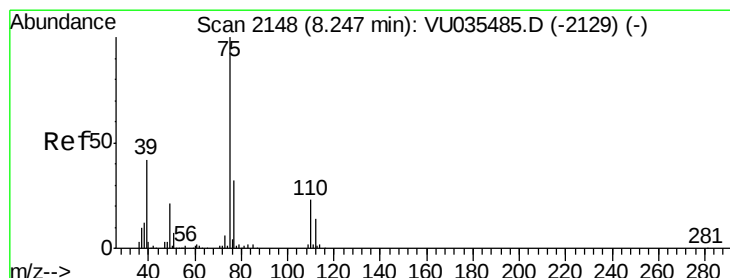
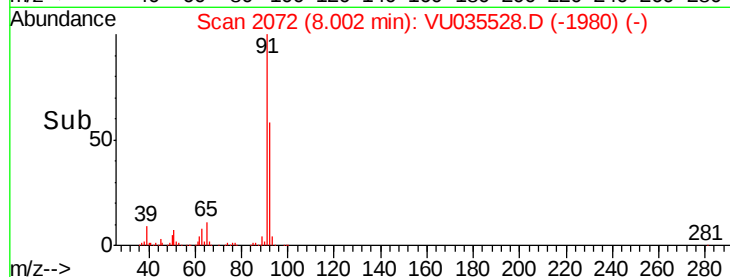
300000

200000

100000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 5.332 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035528.D

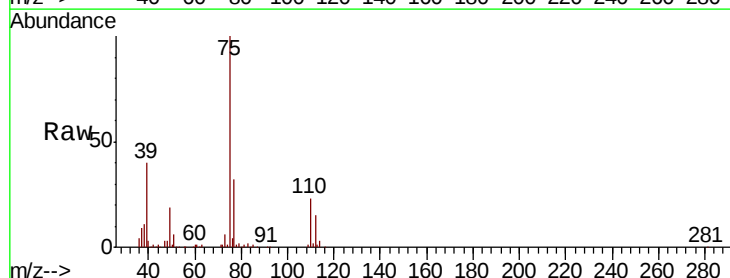
Acq: 28 Oct 2019 10:11

Tgt Ion: 75 Resp: 152250

Ion Ratio Lower Upper

75 100

77 31.7 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU035485.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035485.D (-2129) (-)

8.25

100000

80000

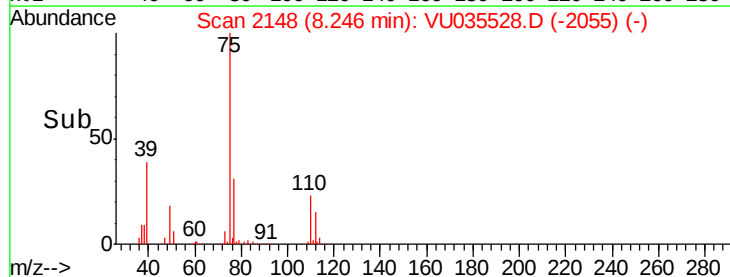
60000

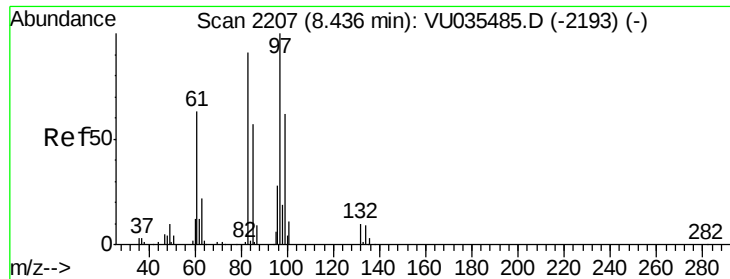
40000

20000

0

Time--> 8.10 8.20 8.30 8.40

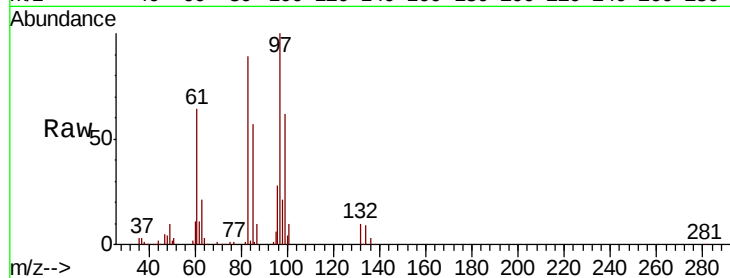




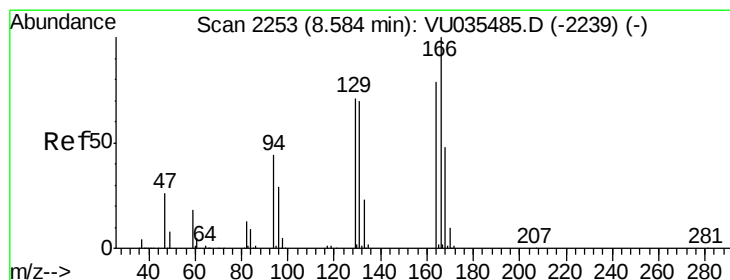
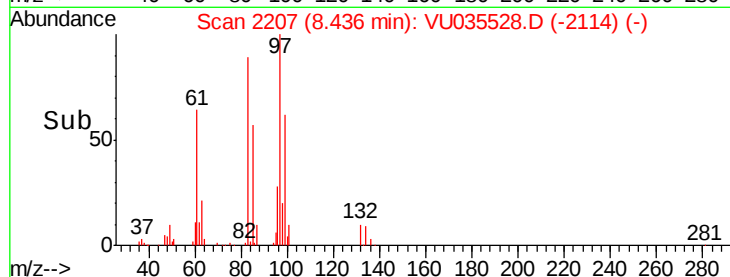
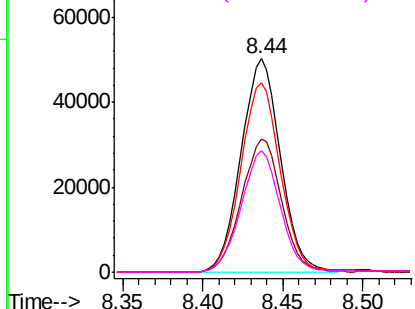
#45
 1,1,2-Trichloroethane
 Concen: 4.708 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	84806
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.6	81.0
83	89.0	62.3	115.7
85	57.0	40.0	74.4

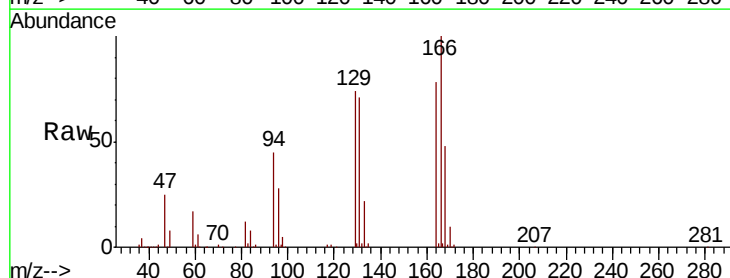


Abundance Ion 96.95 (96.65 to 97.65): VU035528.D (-2193) (-)
 Ion 99.05 (98.75 to 99.75): VU035528.D (-2193) (-)
 Ion 82.95 (82.65 to 83.65): VU035528.D (-2193) (-)
 Ion 85.00 (84.70 to 85.70): VU035528.D (-2193) (-)

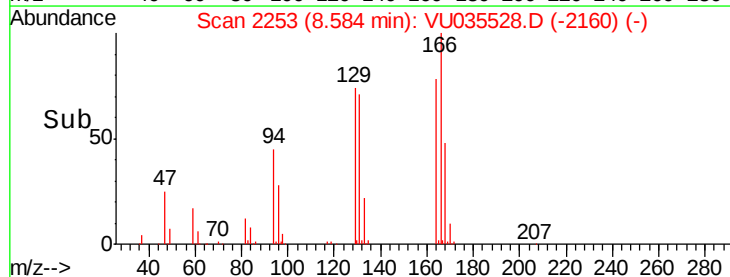
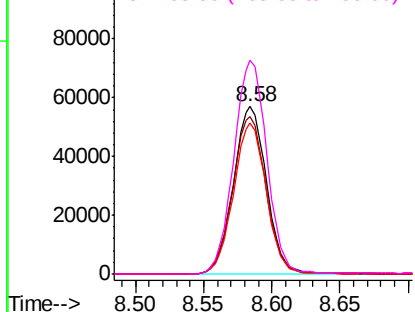


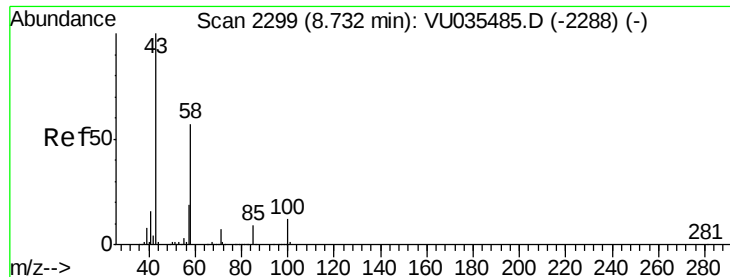
#47
 Tetrachloroethene
 Concen: 4.829 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Tgt Ion:	164	Resp:	95620
Ion	Ratio	Lower	Upper
164	100		
129	94.1	64.6	120.0
131	90.2	63.1	117.3
166	127.5	90.4	168.0



Abundance Ion 163.90 (163.60 to 164.60): VU035528.D (-2239) (-)
 Ion 128.95 (128.65 to 129.65): VU035528.D (-2239) (-)
 Ion 130.95 (130.65 to 131.65): VU035528.D (-2239) (-)
 Ion 165.90 (165.60 to 166.60): VU035528.D (-2239) (-)

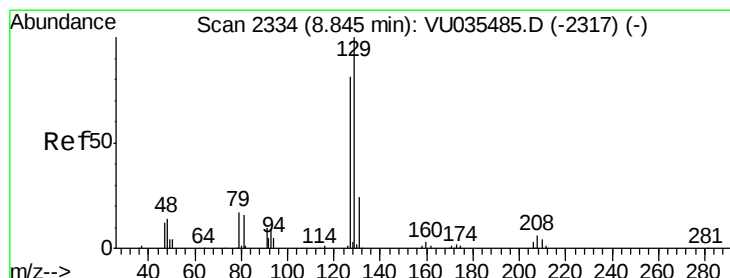
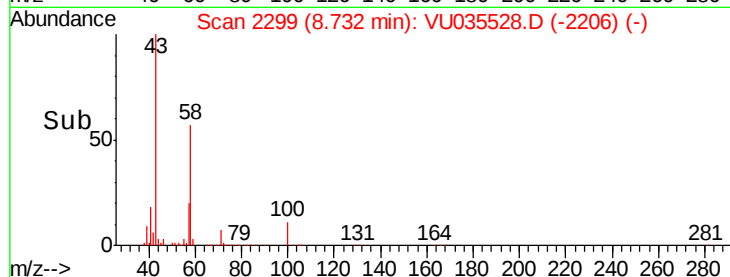
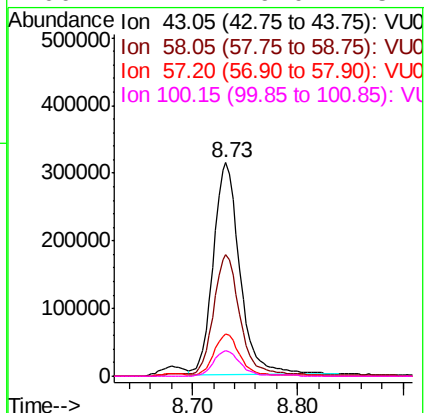
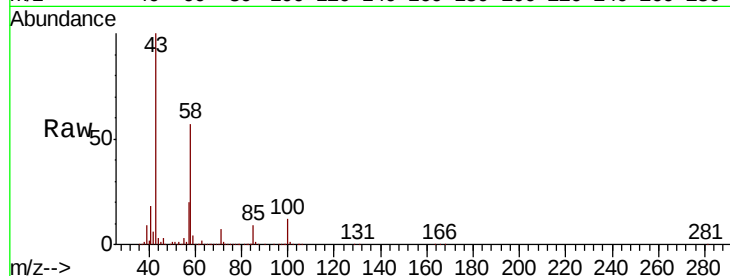




#48
2-Hexanone
Concen: 53.269 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

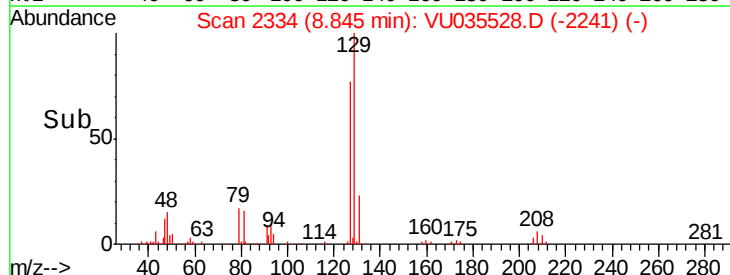
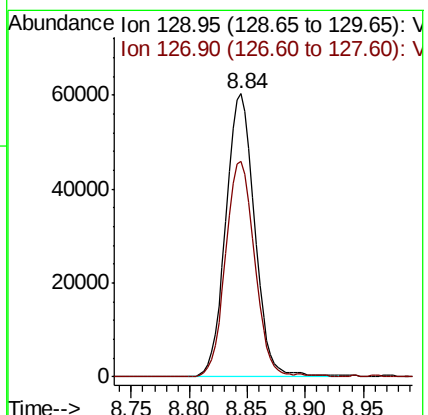
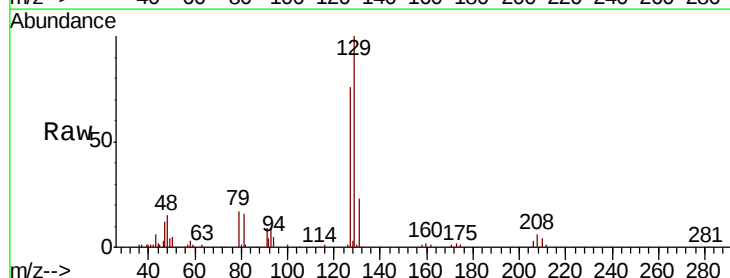
Instrument :
MSVOA_U
ClientSampled :

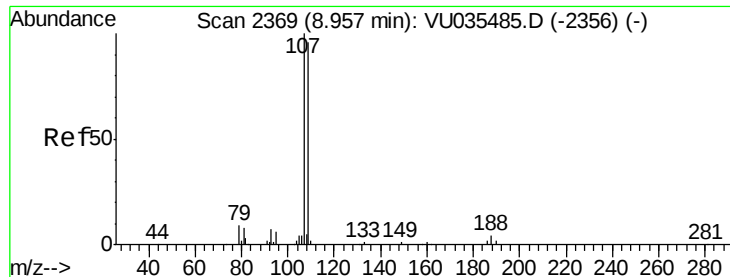
Tot Ion: 43 Resp: 550145
Ion Ratio Lower Upper
43 100
58 56.3 43.1 64.7
57 19.9 14.2 21.2
100 12.1 9.0 13.4



#49
Dibromochloromethane
Concen: 4.924 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Tgt Ion: 129 Resp: 103791
Ion Ratio Lower Upper
129 100
127 76.3 55.6 103.4

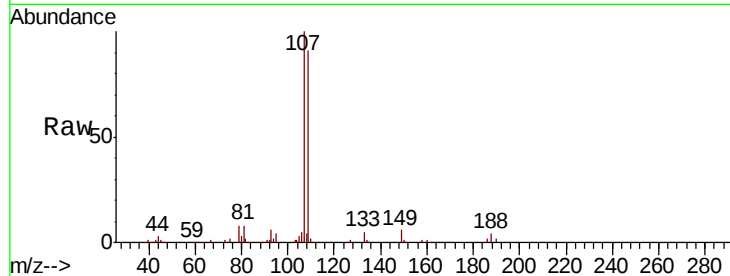




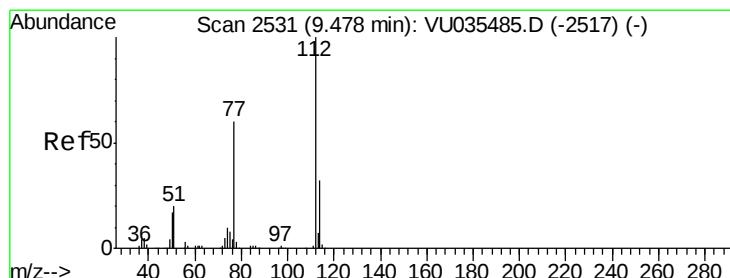
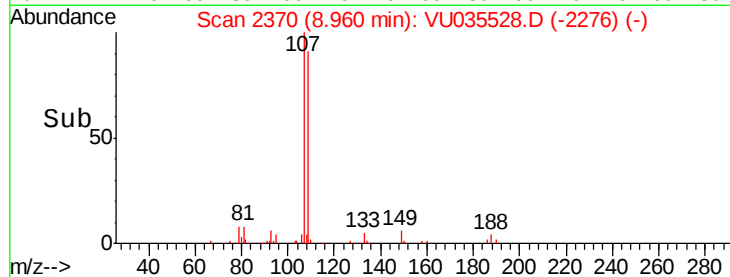
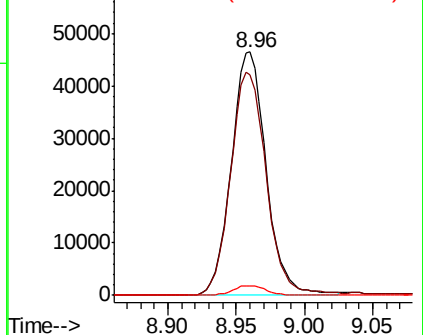
#50
1,2-Dibromoethane
Concen: 4.915 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:107 Resp: 82272
Ion Ratio Lower Upper
107 100
109 90.9 66.9 124.3
188 3.8 2.6 4.0

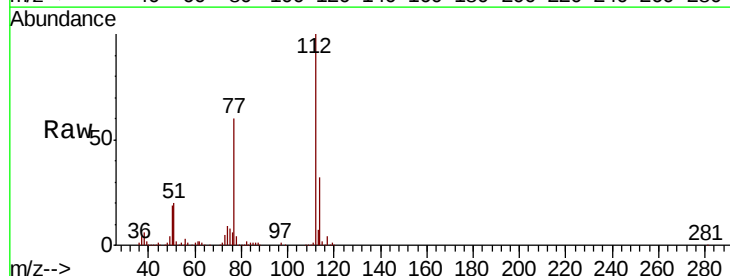


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

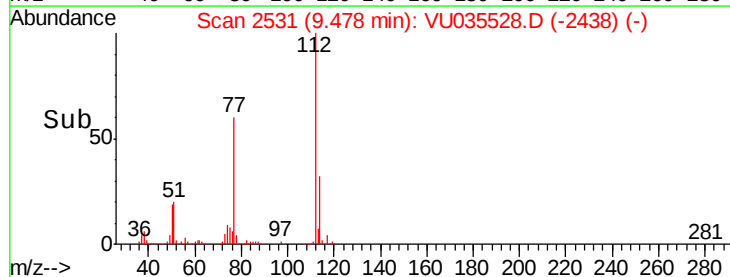
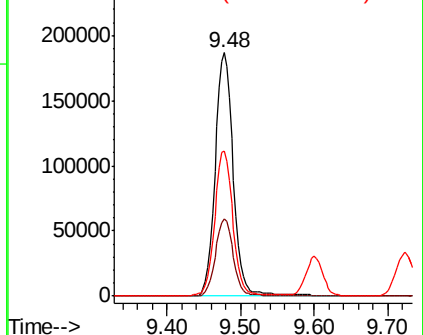


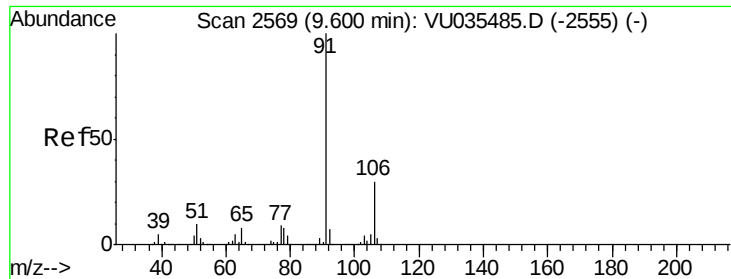
#51
Chlorobenzene
Concen: 5.009 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Tgt Ion:112 Resp: 316288
Ion Ratio Lower Upper
112 100
114 31.8 22.7 42.3
77 59.7 49.1 73.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.099 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

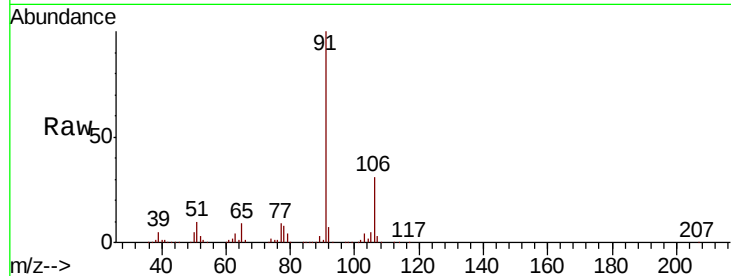
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 533745

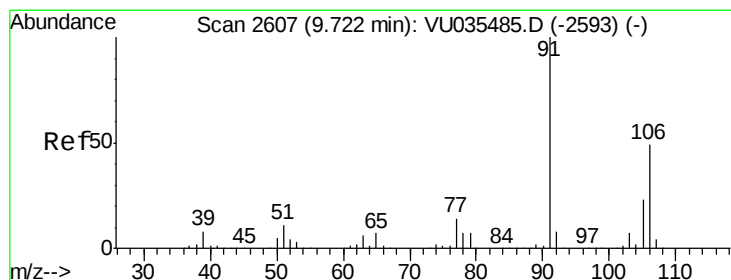
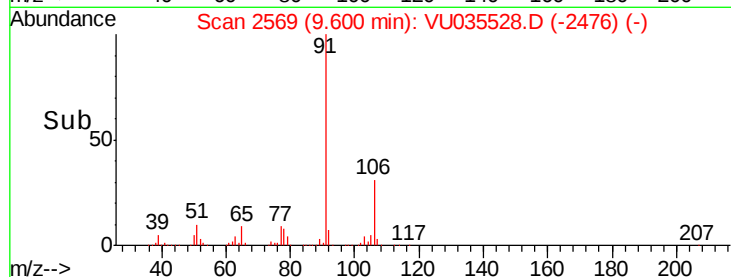
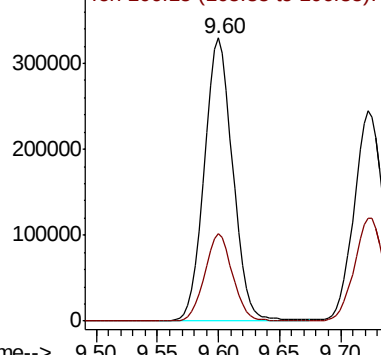
Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2555) (-)



#53

m,p-Xylene

Concen: 5.339 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035528.D

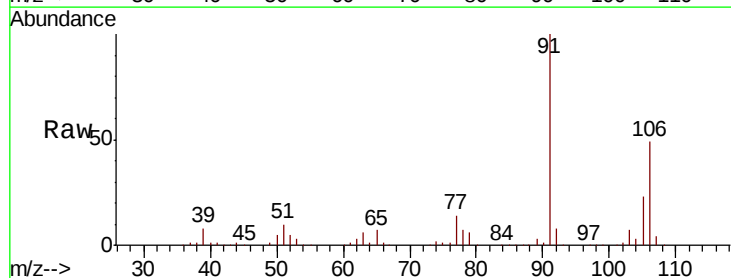
Acq: 28 Oct 2019 10:11

Tgt Ion: 106 Resp: 204061

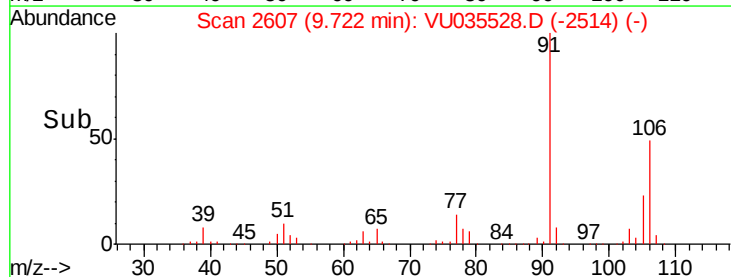
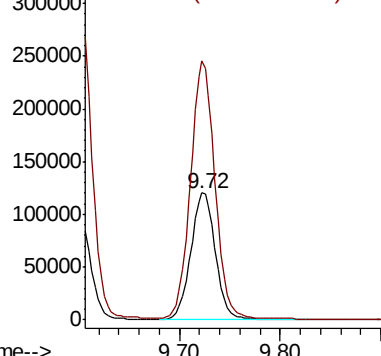
Ion Ratio Lower Upper

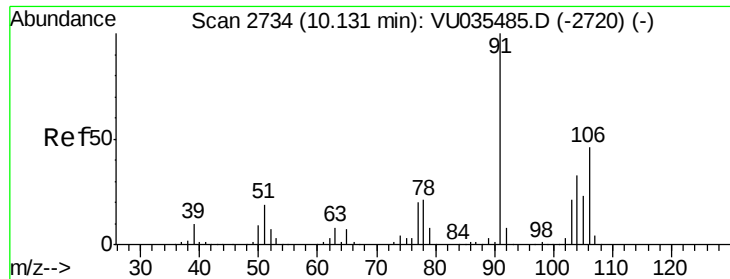
106 100

91 203.3 142.3 264.3



Abundance Ion 106.15 (105.85 to 106.85): VU035485.D (-2593) (-)

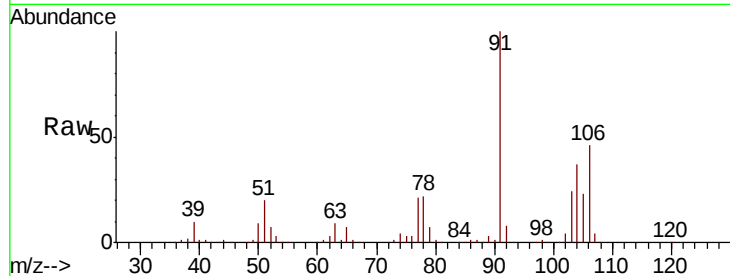




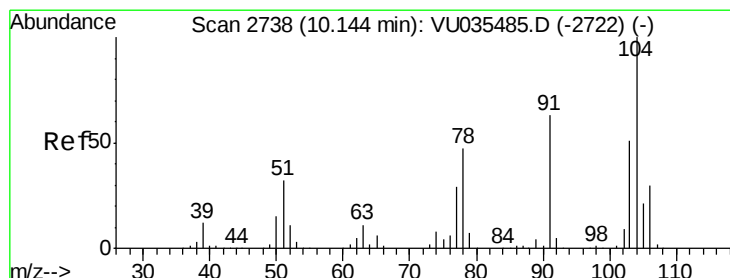
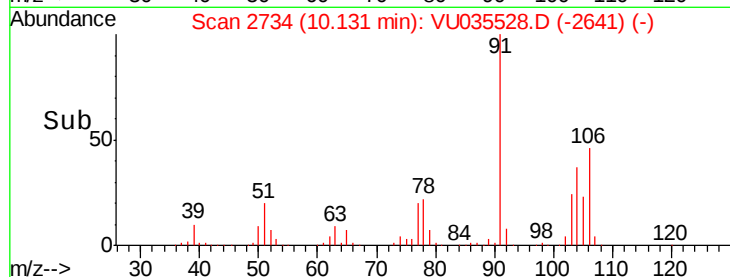
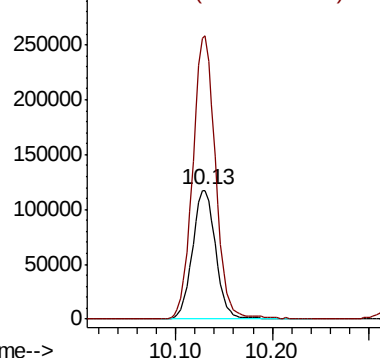
#54
o-Xylene
Concen: 5.264 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 196026
Ion Ratio Lower Upper
106 100
91 219.3 150.8 280.1

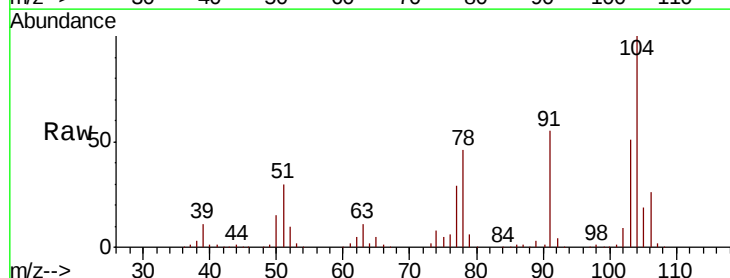


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

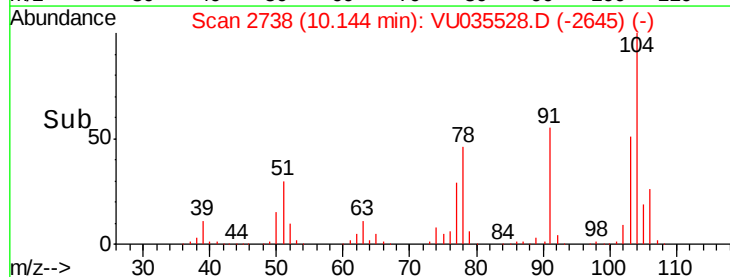
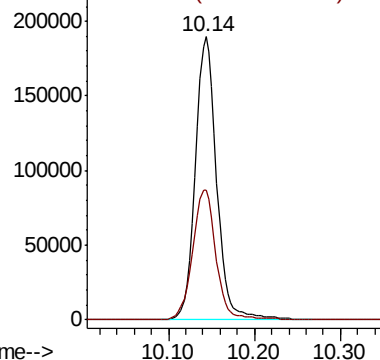


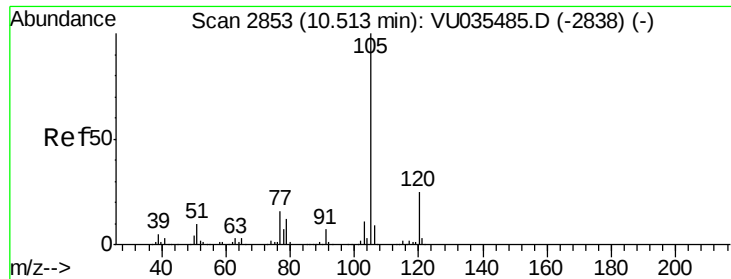
#55
Styrene
Concen: 5.377 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035528.D
Acq: 28 Oct 2019 10:11

Tgt Ion:104 Resp: 327031
Ion Ratio Lower Upper
104 100
78 46.0 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.299 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

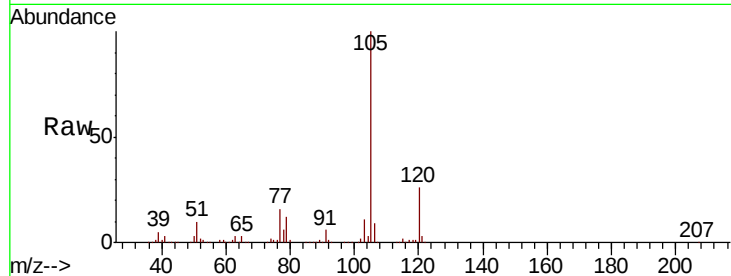
Tot Ion:105 Resp: 515310

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

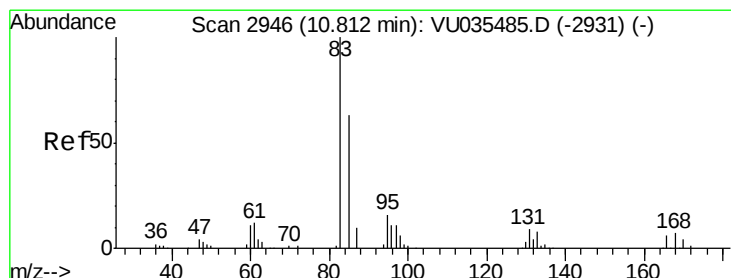
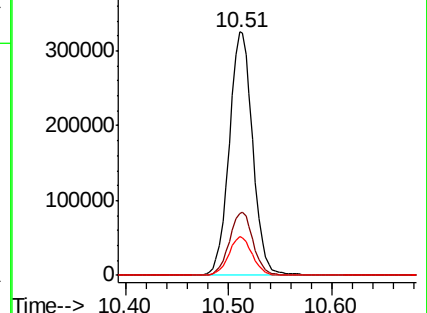
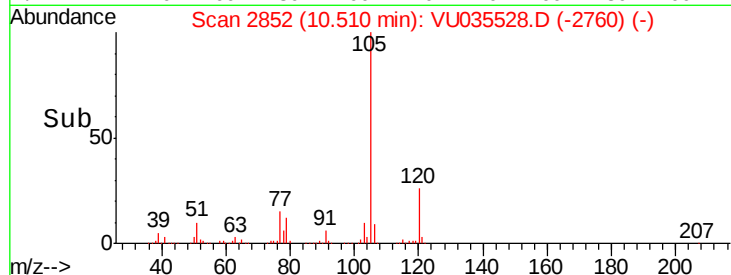
77 15.9 13.0 19.6



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: 4.868 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

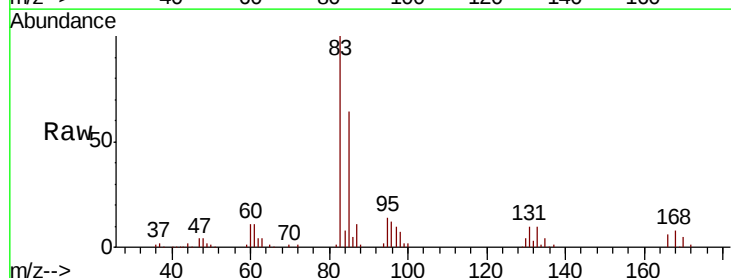
Tgt Ion: 83 Resp: 114675

Ion Ratio Lower Upper

83 100

85 63.6 44.7 83.1

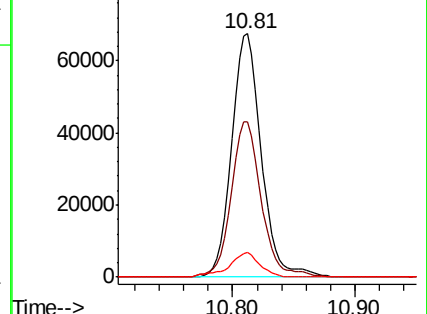
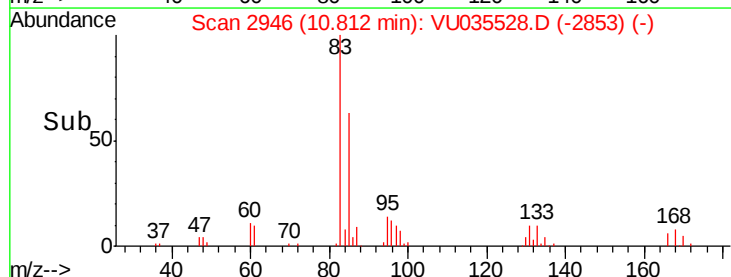
131 10.1 7.4 11.2

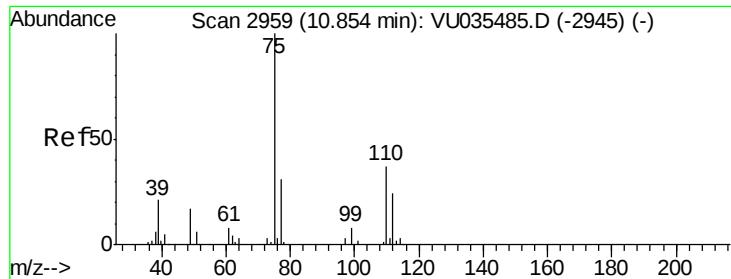


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

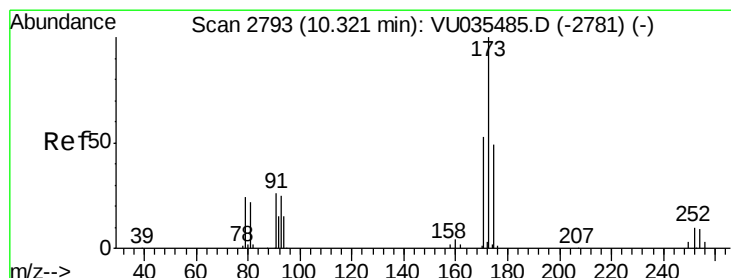
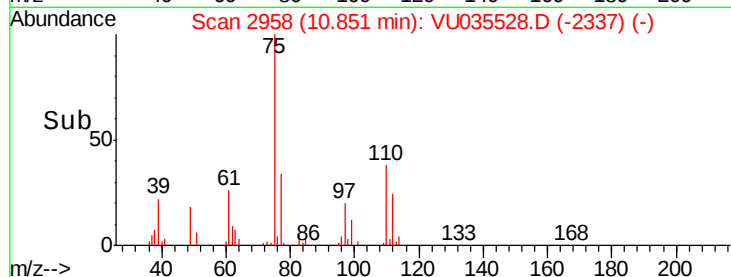
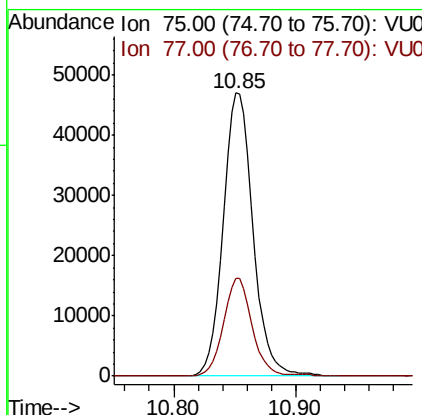
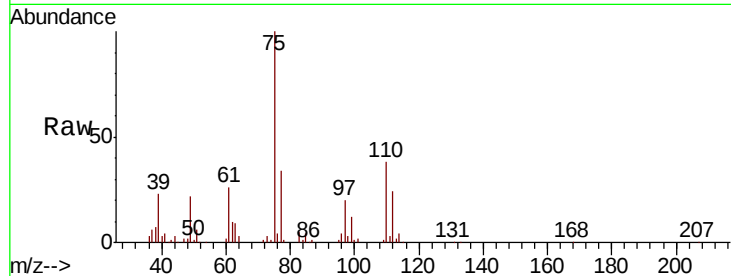




#59
 1,2,3-Trichloropropane
 Concen: 4.856 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

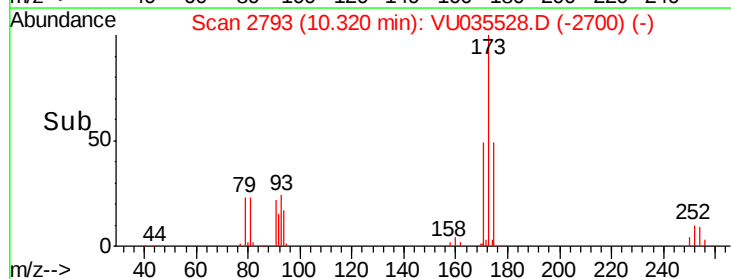
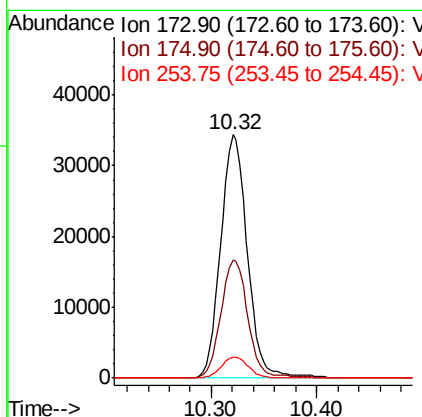
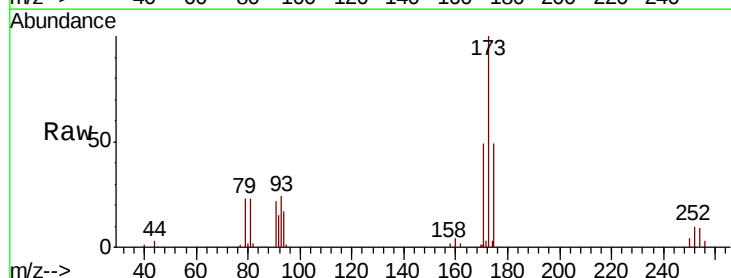
Instrument :
 MSVOA_U
 ClientSampleId :

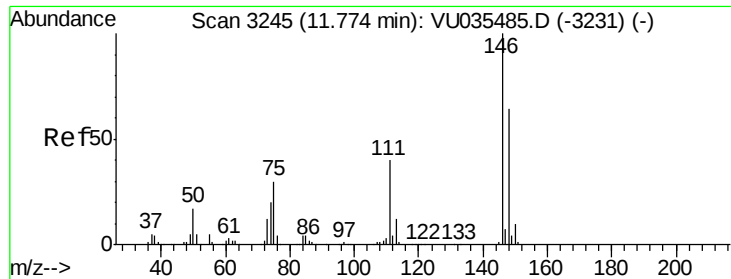
Tot Ion: 75 Resp: 80712
 Ion Ratio Lower Upper
 75 100
 77 33.3 27.4 41.0



#61
 Bromoform
 Concen: 4.424 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Tgt Ion: 173 Resp: 60275
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.1 58.7
 254 8.7 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.042 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035528.D

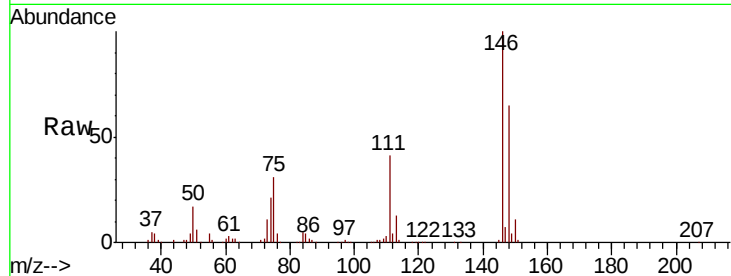
Acq: 28 Oct 2019 10:11

Instrument :

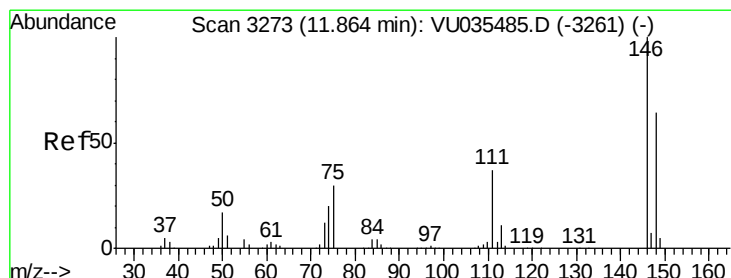
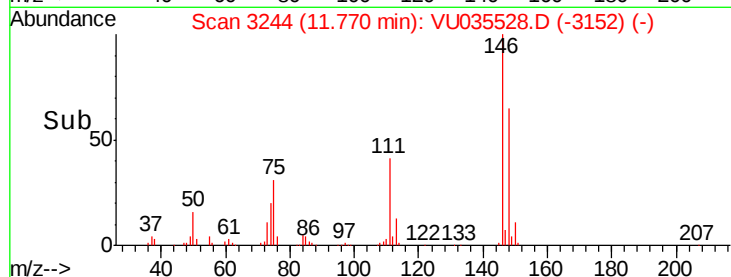
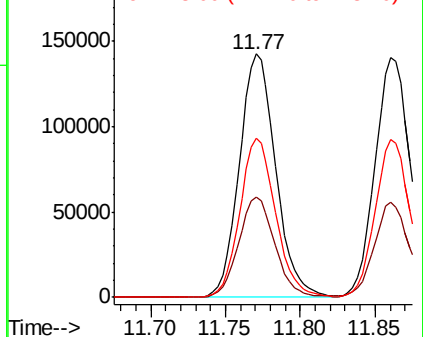
MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	241467
Ion	Ratio	Lower Upper
146	100	
111	41.2	28.1 52.3
148	65.2	44.8 83.2



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: 4.982 ug/L

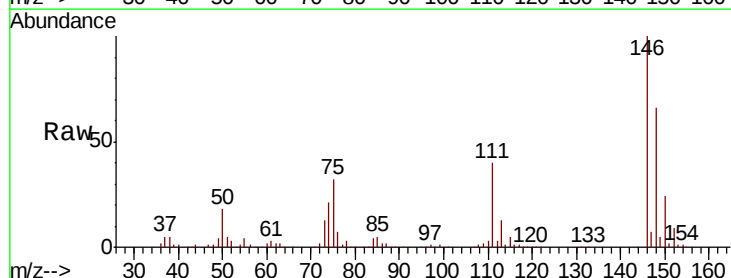
RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

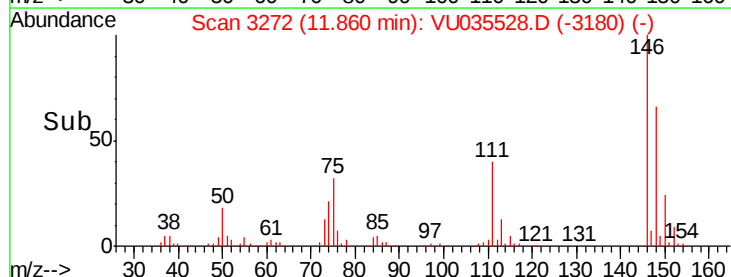
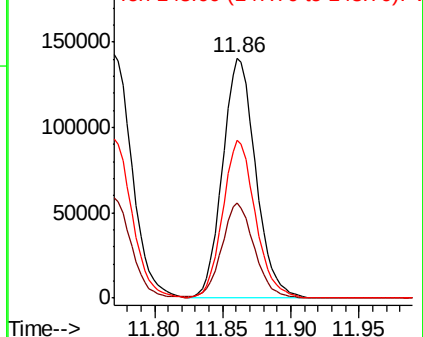
Lab File: VU035528.D

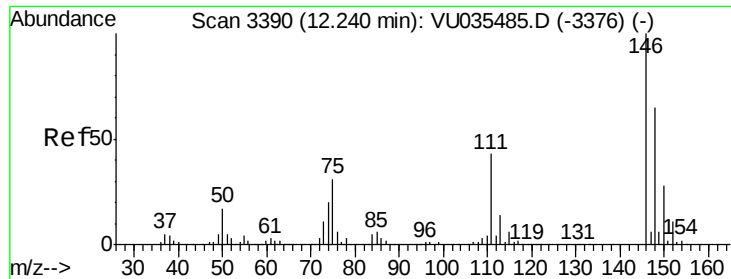
Acq: 28 Oct 2019 10:11

Tgt Ion:146	Resp:	237410
Ion	Ratio	Lower Upper
146	100	
111	39.7	26.9 49.9
148	65.7	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: 4.814 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

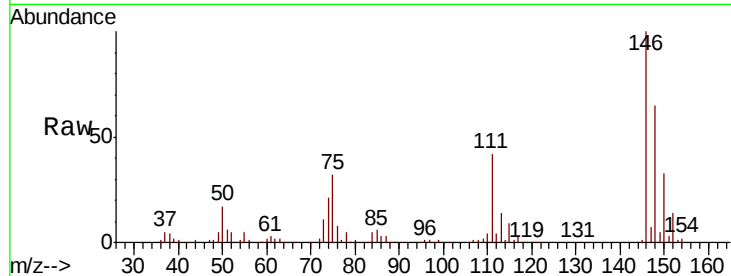
Tot Ion:146 Resp: 221500

Ion Ratio Lower Upper

146 100

111 42.2 33.4 50.2

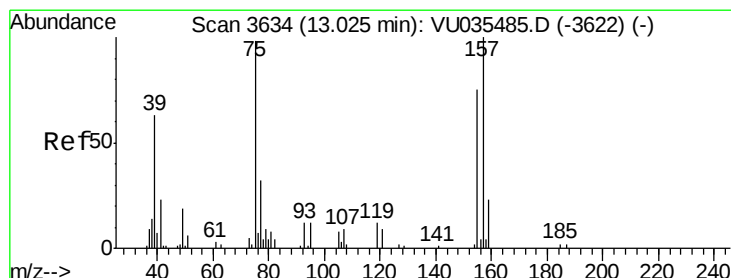
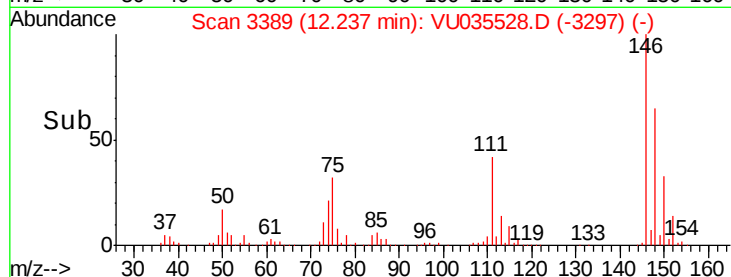
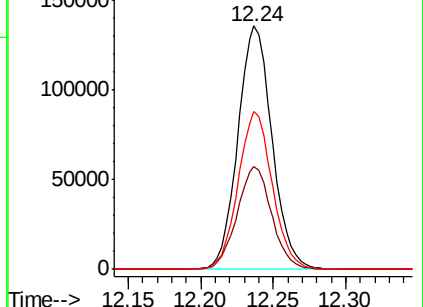
148 64.6 52.7 79.1



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: 4.937 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

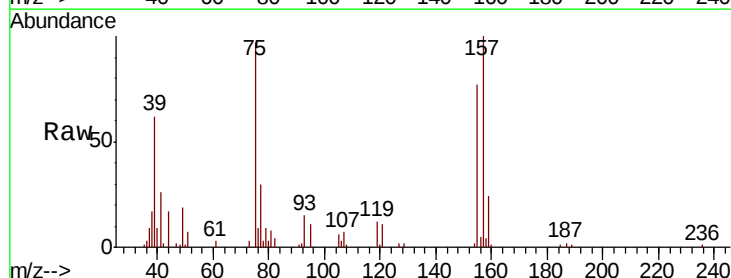
Tgt Ion: 75 Resp: 15250

Ion Ratio Lower Upper

75 100

155 79.6 67.1 100.7

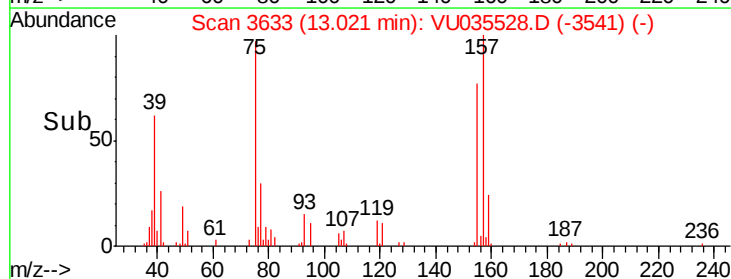
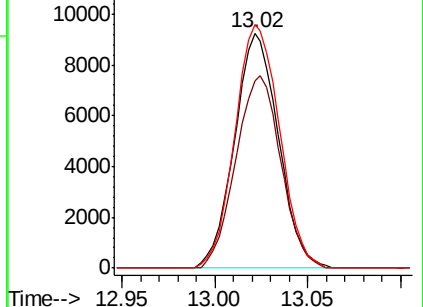
157 103.6 83.4 125.2

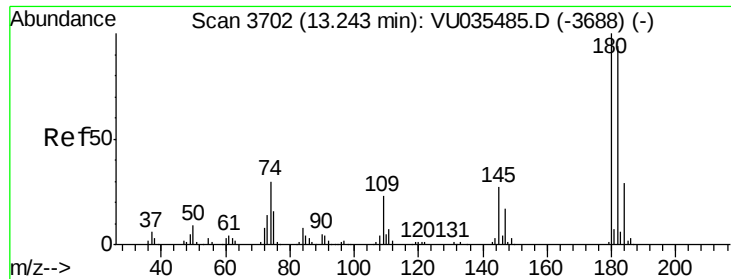


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

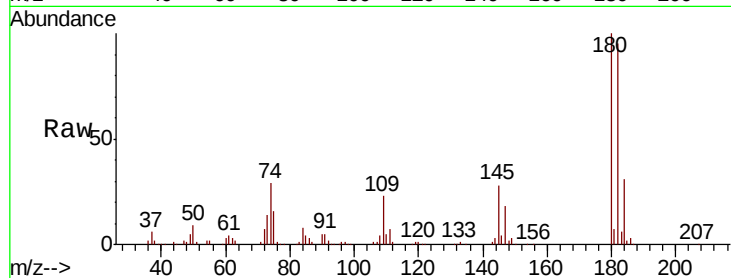




#67
 1,3,5-Trichlorobenzene
 Concen: 5.607 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	165861
Ion Ratio	Lower	Upper
180	100	
182	95.0	75.3 112.9
184	30.7	25.1 37.7
145	27.8	21.8 32.8



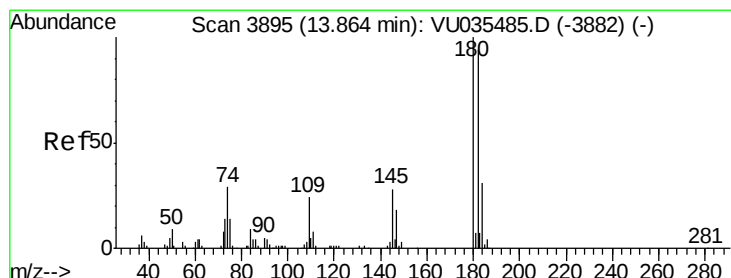
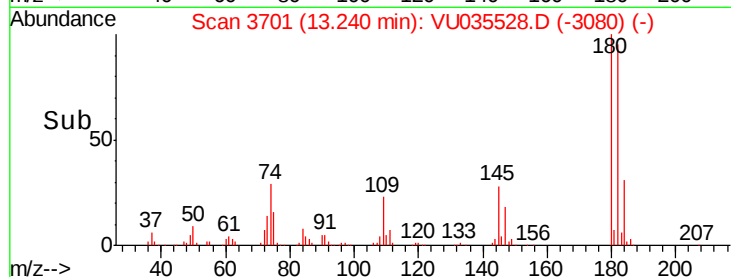
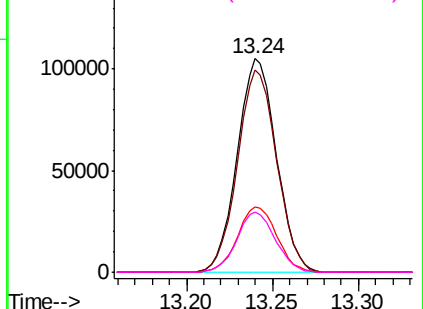
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

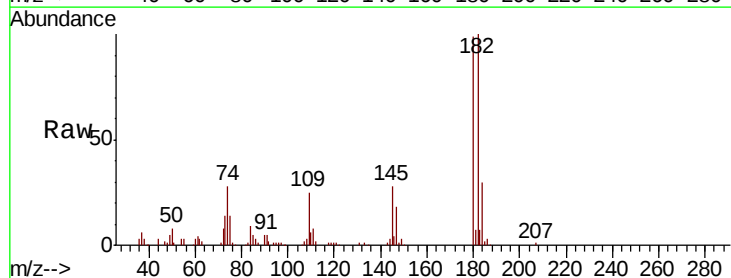
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 6.185 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035528.D
 Acq: 28 Oct 2019 10:11

Tgt Ion:180	Resp:	101742
Ion Ratio	Lower	Upper
180	100	
182	96.1	78.7 118.1
145	28.2	23.4 35.2

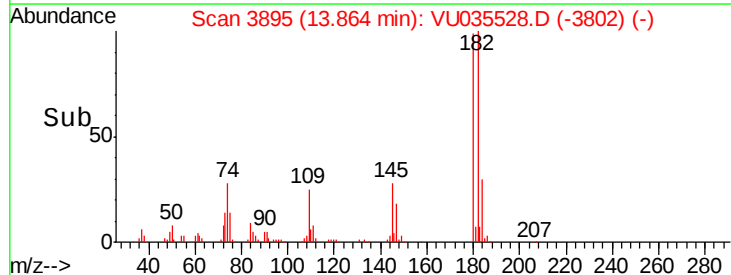
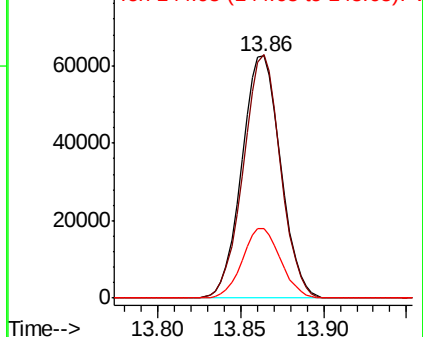


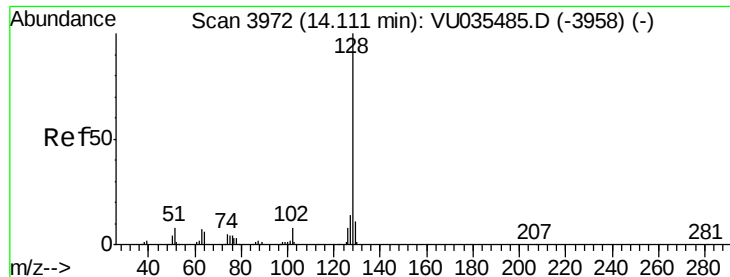
Abundance

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: 5.799 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

Instrument :

MSVOA_U

ClientSampleId :

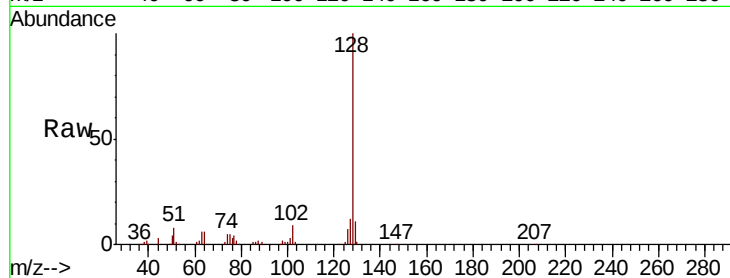
Tot Ion:128 Resp: 130239

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

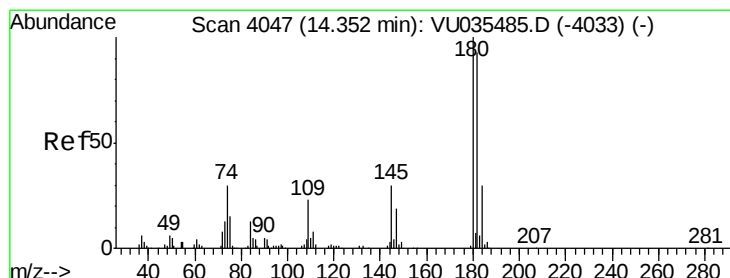
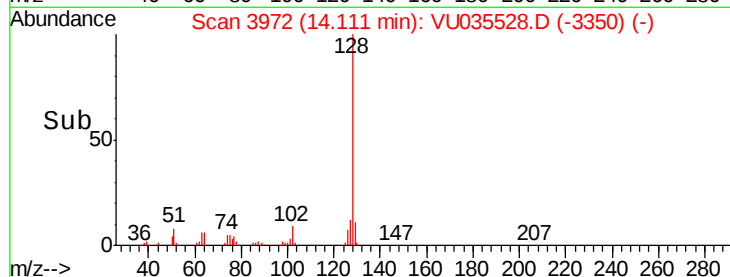
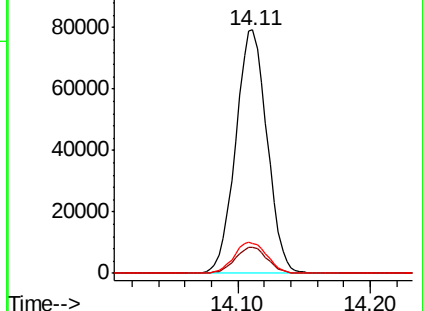
127 13.3 10.9 16.3



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: 6.036 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035528.D

Acq: 28 Oct 2019 10:11

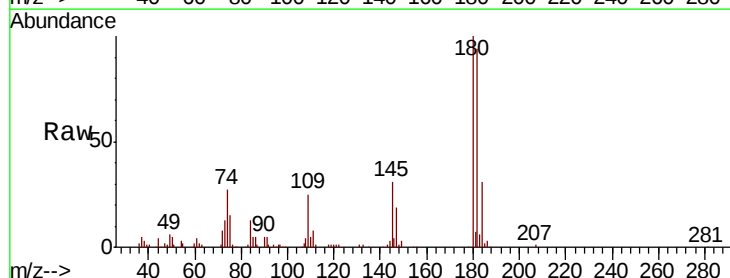
Tgt Ion:180 Resp: 98924

Ion Ratio Lower Upper

180 100

182 94.4 76.6 114.8

145 31.1 23.8 35.8



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

