

Data File : VU035306.D
Acq On : 19 Oct 2019 09:32
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV33

Quant Time: Oct 21 05:45:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 05:38:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	676560	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	662371	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	308866	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	283443	48.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.40%
7) Chloroethane-d5	1.93	69	237544	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.26%
11) 1,1-Dichloroethene-d2	2.60	63	467092	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
21) 2-Butanone-d5	4.70	46	379223	98.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.30%
24) Chloroform-d	5.11	84	467004	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.30%
26) 1,2-Dichloroethane-d4	5.75	65	302152	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
32) Benzene-d6	5.77	84	947474	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
36) 1,2-Dichloropropane-d6	6.74	67	300723	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.52%
41) Toluene-d8	7.93	98	902590	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	8.21	79	157432	49.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.58%
47) 2-Hexanone-d5	8.68	63	269409	99.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.33%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	434920	47.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.86%
64) 1,2-Dichlorobenzene-d4	12.22	152	328581	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	274493	49.868	ug/L	99
3) Chloromethane	1.54	50	287408	50.385	ug/L	99
5) Vinyl chloride	1.62	62	284157	48.966	ug/L	99
6) Bromomethane	1.87	94	170969	49.169	ug/L	100
8) Chloroethane	1.95	64	173982	48.740	ug/L	99
9) Trichlorofluoromethane	2.16	101	359501	49.035	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	216117	50.572	ug/L	100
12) 1,1-Dichloroethene	2.61	96	203673	49.101	ug/L	95
13) Acetone	2.67	43	339311	98.649	ug/L	99
14) Carbon disulfide	2.83	76	629442	48.174	ug/L	100
15) Methyl Acetate	3.00	43	251908	49.549	ug/L	99
16) Methylene chloride	3.09	84	242422	49.287	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	222249	50.011	ug/L	99
18) Methyl tert-butyl Ether	3.42	73	704027	49.813	ug/L	100
19) 1,1-Dichloroethane	3.92	63	416731	49.242	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	250970	49.763	ug/L	94
22) 2-Butanone	4.77	43	418867	100.648	ug/L	99

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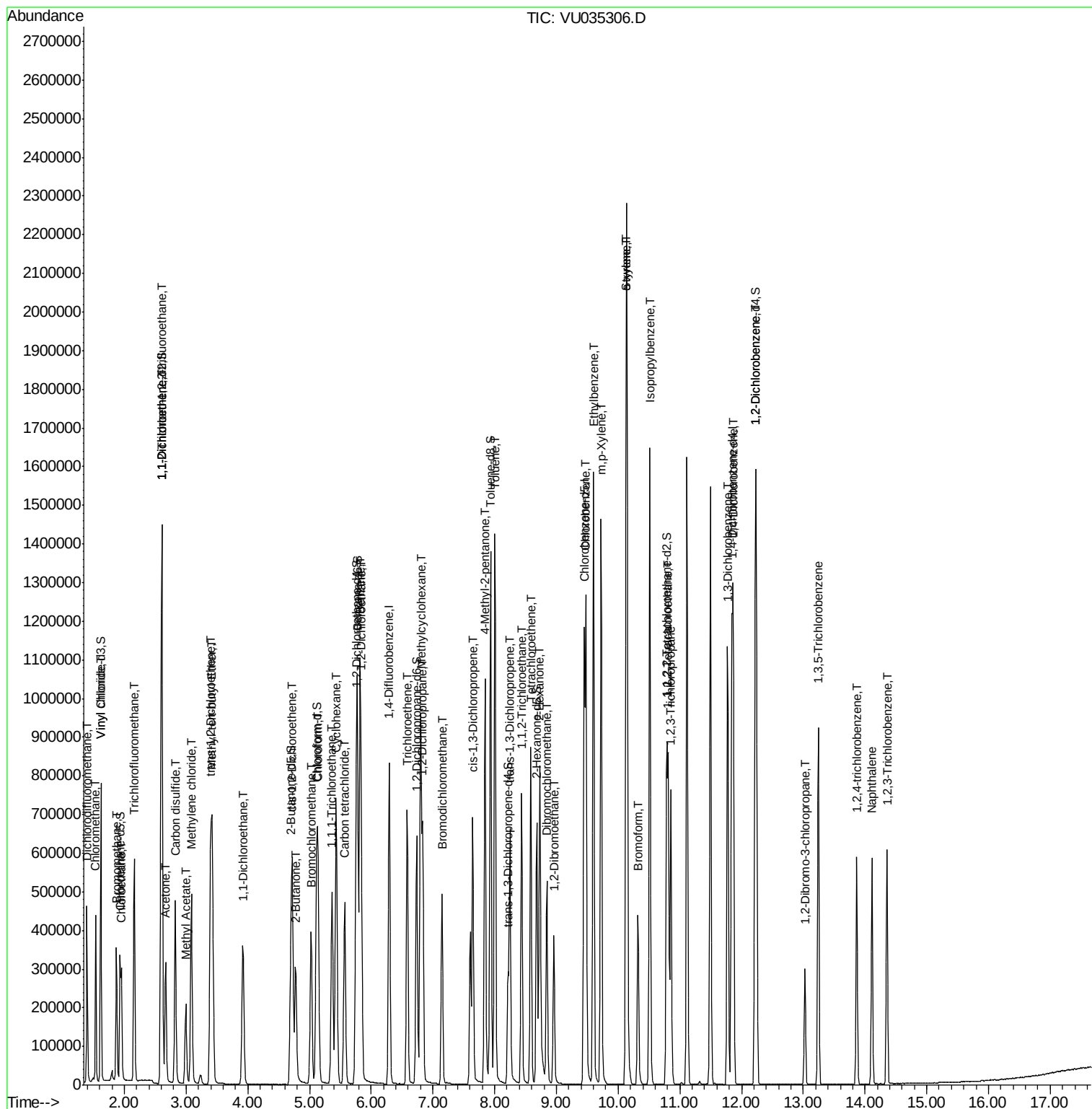
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	123739	48.918	ug/L	98
25) Chloroform	5.14	83	428117	49.013	ug/L	100
27) 1,2-Dichloroethane	5.84	62	334514	49.428	ug/L	99
29) Cyclohexane	5.43	56	372761	50.330	ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	357262	49.276	ug/L	100
31) Carbon tetrachloride	5.57	117	317131	49.999	ug/L	98
33) Benzene	5.82	78	938080	50.092	ug/L	100
34) Trichloroethene	6.58	95	238272	49.379	ug/L	96
35) Methylcyclohexane	6.80	83	381831	51.180	ug/L	99
37) 1,2-Dichloropropane	6.83	63	243975	50.309	ug/L	99
38) Bromodichloromethane	7.15	83	321524	49.559	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	409347	52.235	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	687322	95.931	ug/L	100
42) Toluene	8.01	91	1020091	49.763	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	370934	50.654	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	235983	49.367	ug/L	98
46) Tetrachloroethene	8.58	164	195907	50.256	ug/L	99
48) 2-Hexanone	8.73	43	534774	87.749	ug/L	92
49) Dibromochloromethane	8.84	129	263227	49.344	ug/L	99
50) 1,2-Dibromoethane	8.96	107	256371	48.479	ug/L	99
51) Chlorobenzene	9.48	112	654364	48.944	ug/L	98
52) Ethylbenzene	9.60	91	1146309	50.171	ug/L	100
53) m,p-Xylene	9.73	106	430403	51.103	ug/L	99
54) o-xylene	10.13	106	421763	50.486	ug/L	98
55) Styrene	10.14	104	703347	51.698	ug/L	99
56) Isopropylbenzene	10.51	105	1089125	50.356	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	405489	48.526	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	320252	48.495	ug/L	99
61) Bromoform	10.32	173	204006	46.157	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	484066	48.232	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	481299	47.891	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	479534	47.867	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73146	46.193	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	291944	51.984	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	183726	49.635	ug/L	100
69) Naphthalene	14.11	128	457867	44.937	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	186981	48.831	ug/L	99

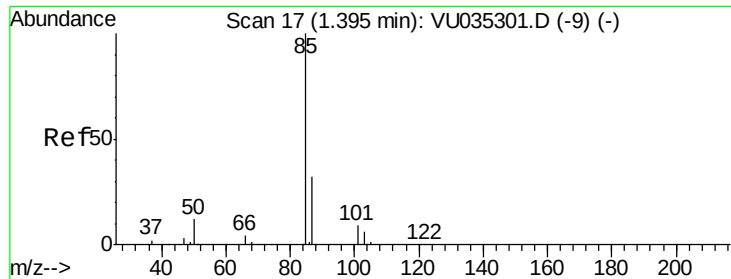
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.868 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

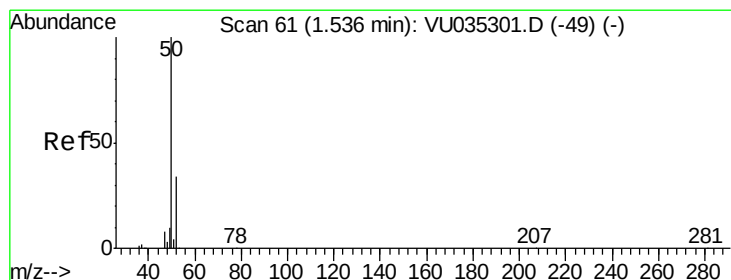
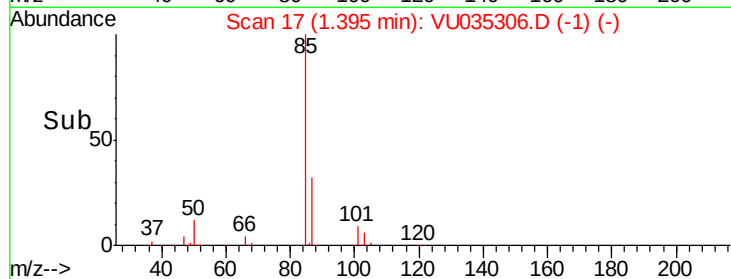
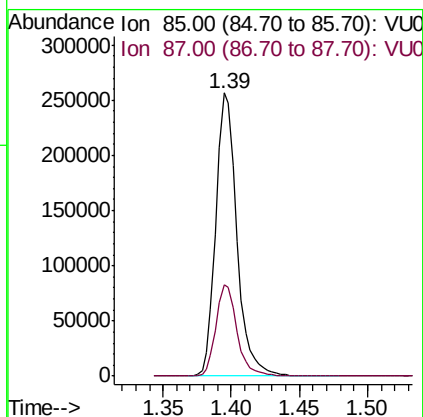
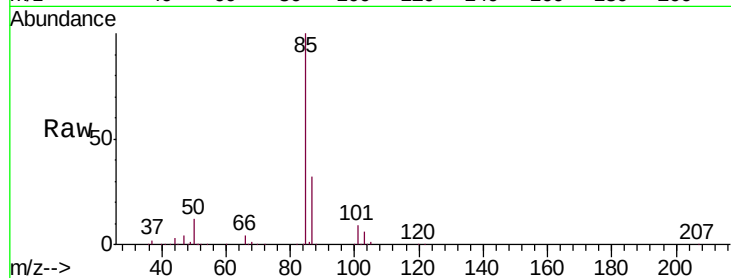
VICV33

Tgt Ion: 85 Resp: 274493

Ion Ratio Lower Upper

85 100

87 32.4 25.5 38.3



#3

Chloromethane

Concen: 50.385 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035306.D

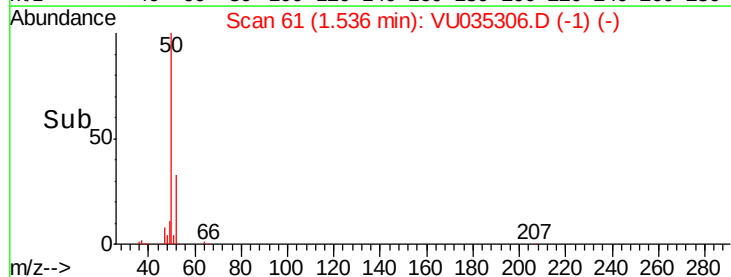
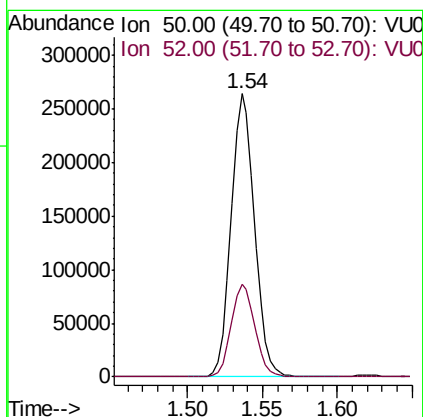
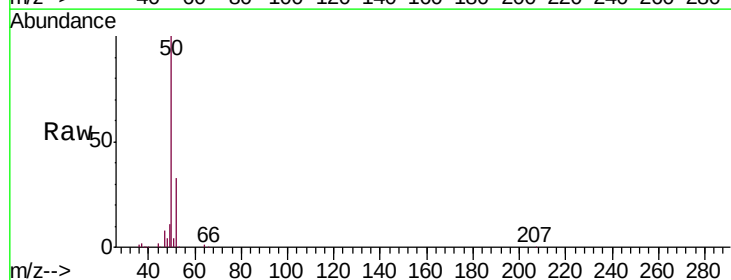
Acq: 19 Oct 2019 09:32

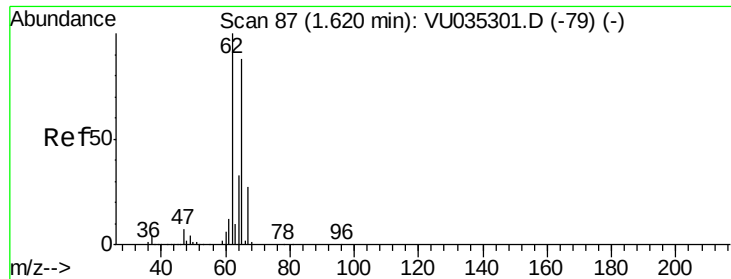
Tgt Ion: 50 Resp: 287408

Ion Ratio Lower Upper

50 100

52 32.9 23.6 43.8





#5

Vinyl chloride

Concen: 48.966 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

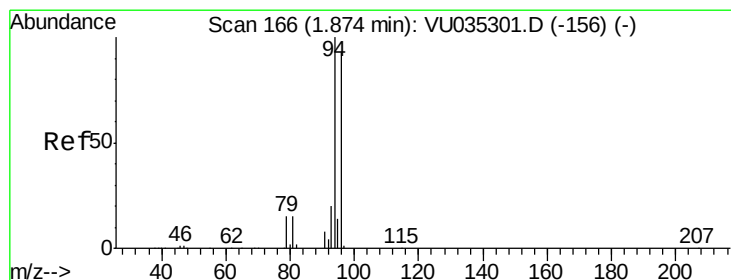
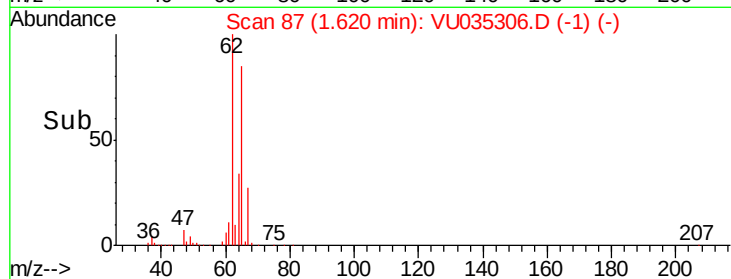
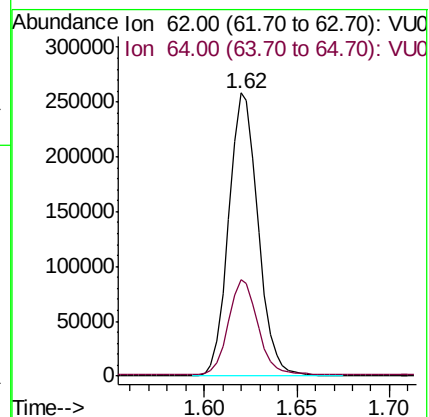
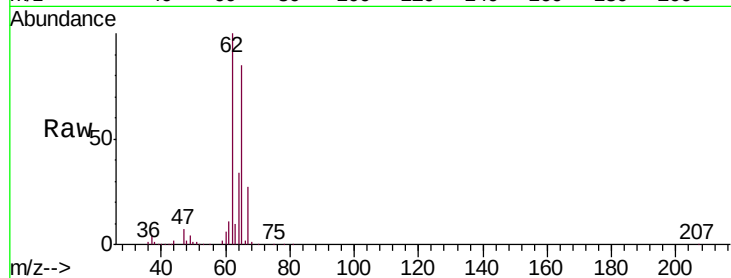
VICV33

Tgt Ion: 62 Resp: 284157

Ion Ratio Lower Upper

62 100

64 33.9 23.4 43.4



#6

Bromomethane

Concen: 49.169 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035306.D

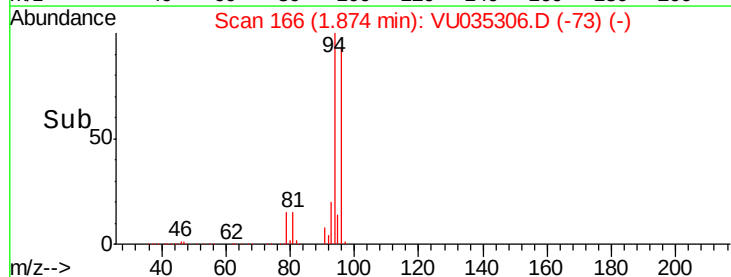
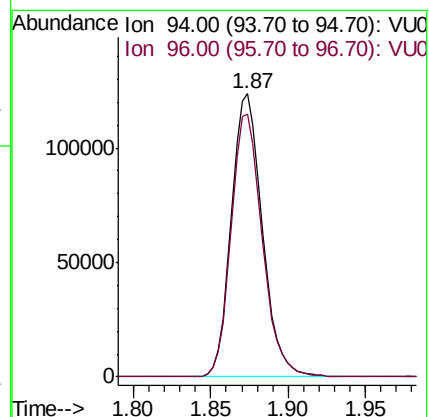
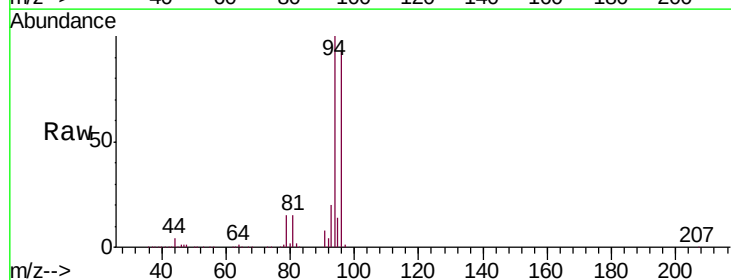
Acq: 19 Oct 2019 09:32

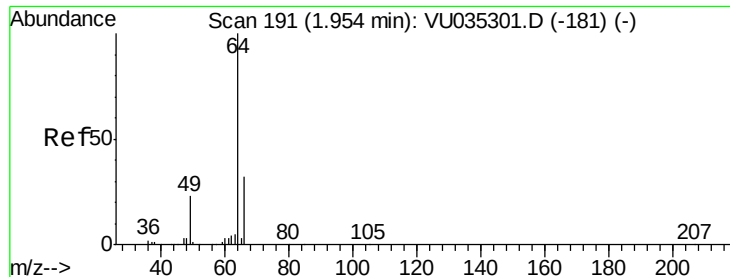
Tgt Ion: 94 Resp: 170969

Ion Ratio Lower Upper

94 100

96 93.1 65.0 120.8





#8

Chloroethane

Concen: 48.740 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

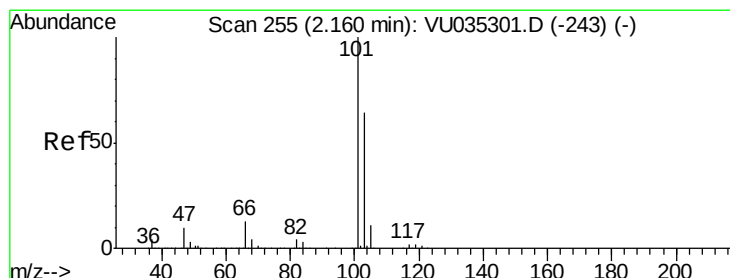
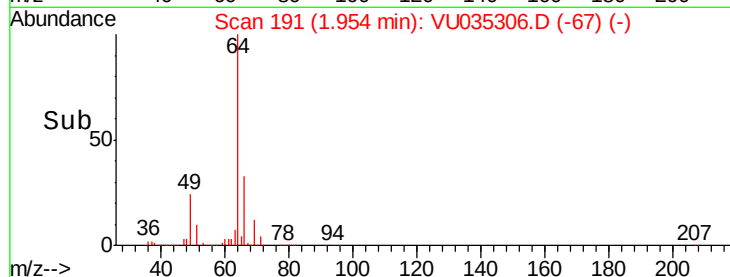
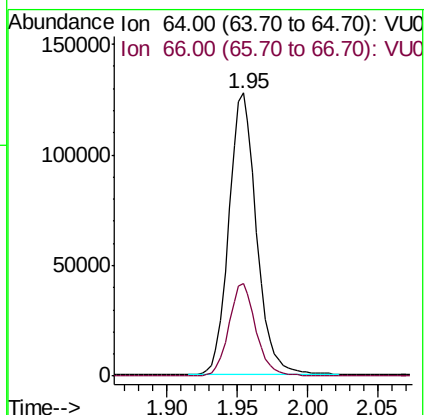
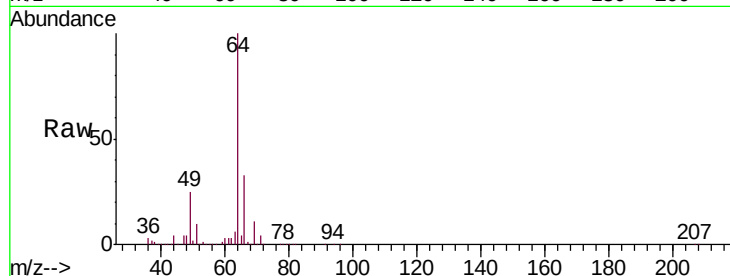
VICV33

Tgt Ion: 64 Resp: 173982

Ion Ratio Lower Upper

64 100

66 32.8 22.5 41.9



#9

Trichlorofluoromethane

Concen: 49.035 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035306.D

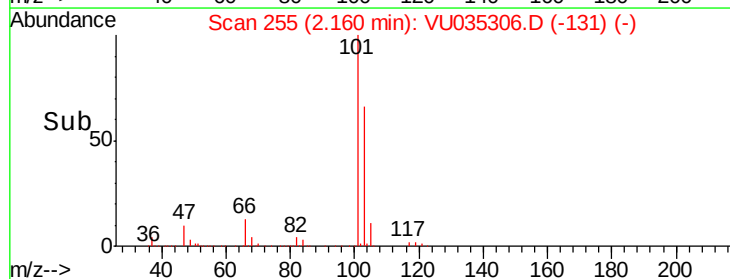
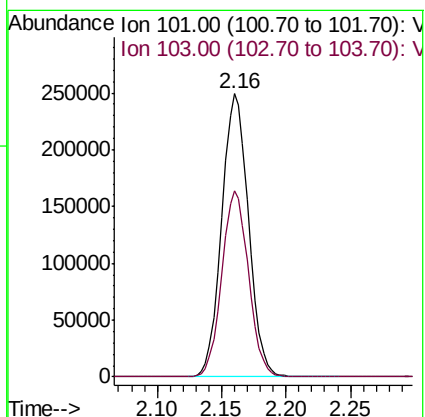
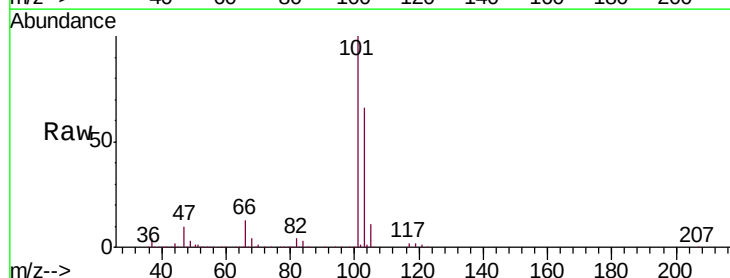
Acq: 19 Oct 2019 09:32

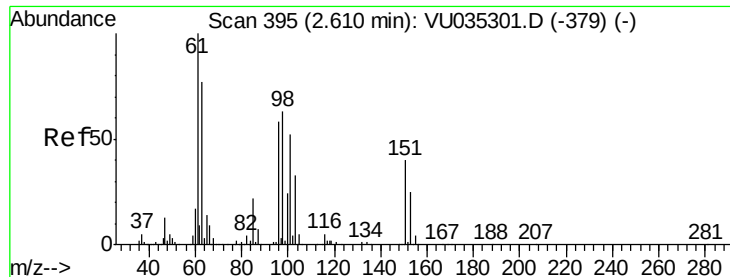
Tgt Ion: 101 Resp: 359501

Ion Ratio Lower Upper

101 100

103 65.3 51.4 77.0





#10

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

Concen: 50.572 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VICV33

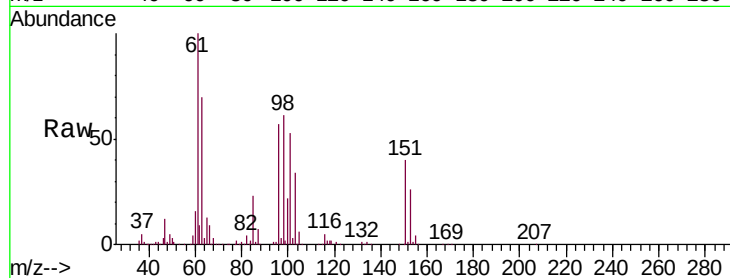
Tgt Ion:101 Resp: 216117

Ion Ratio Lower Upper

101 100

85 42.5 33.7 50.5

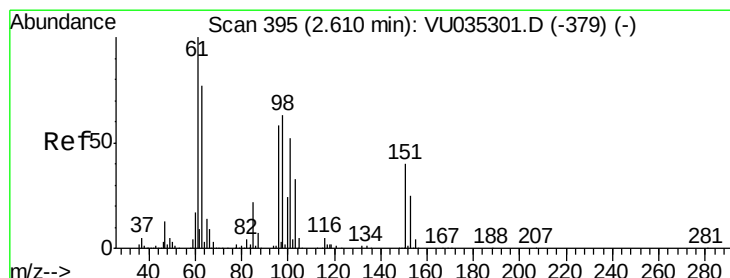
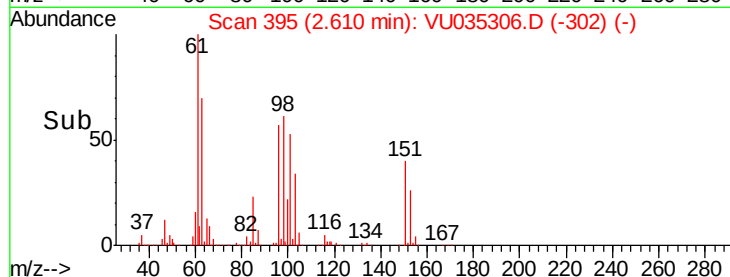
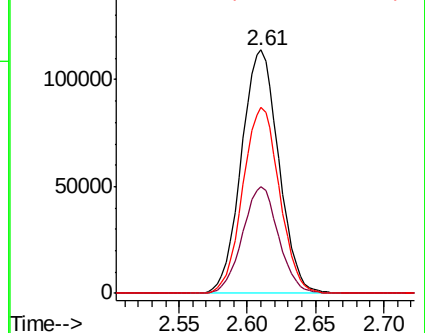
151 75.3 60.3 90.5



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: 49.101 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

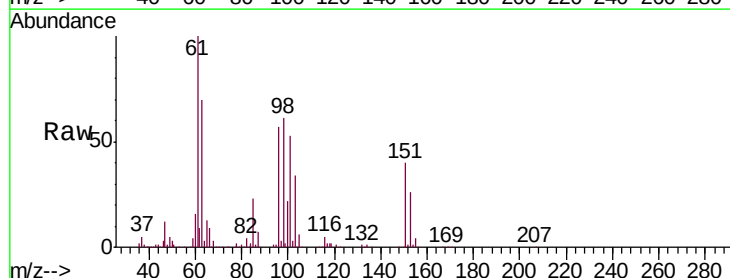
Tgt Ion: 96 Resp: 203673

Ion Ratio Lower Upper

96 100

61 176.4 121.1 224.9

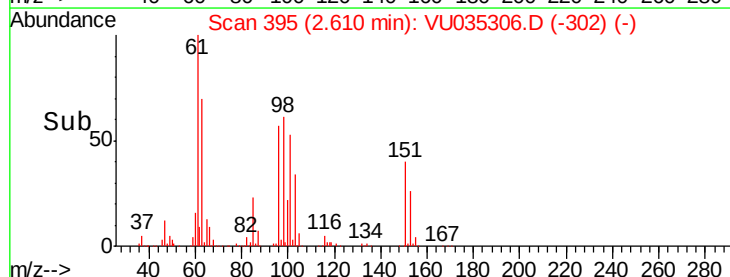
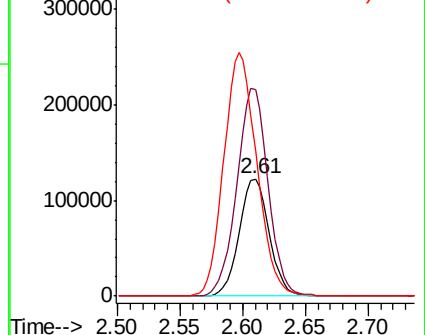
63 123.1 93.9 174.3

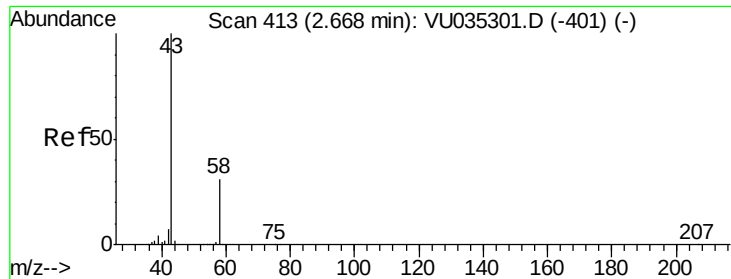


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 98.649 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

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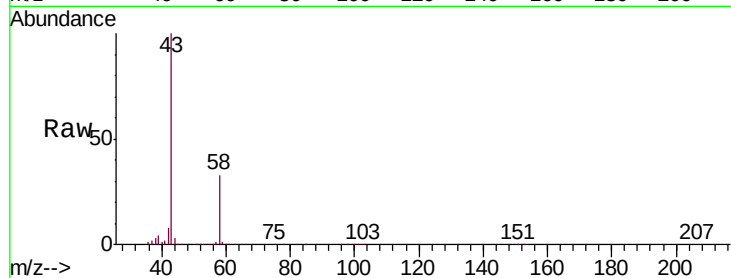
VICV33

Tgt Ion: 43 Resp: 339311

Ion Ratio Lower Upper

43 100

58 31.9 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU035306.D (-320) (-)

Ion 58.00 (57.70 to 58.70): VU035306.D (-320) (-)

200000

150000

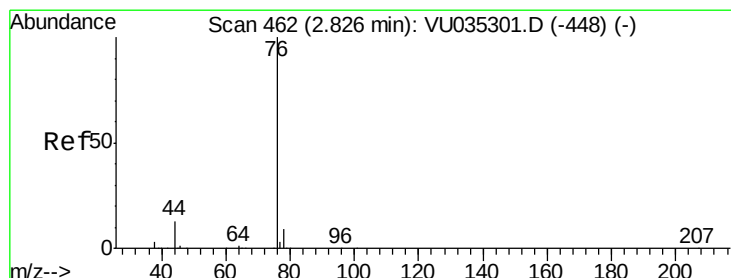
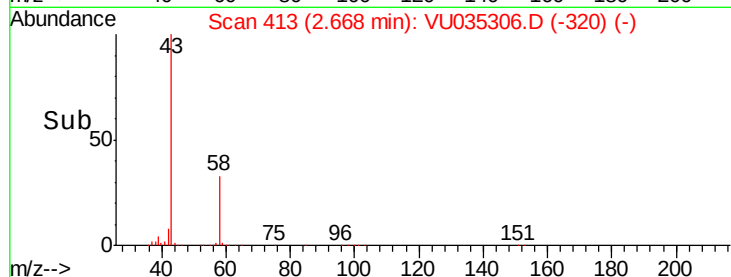
100000

50000

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 48.174 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU035306.D

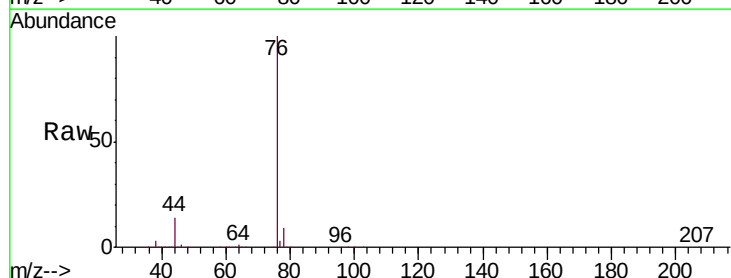
Acq: 19 Oct 2019 09:32

Tgt Ion: 76 Resp: 629442

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU035306.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VU035306.D (-369) (-)

400000

300000

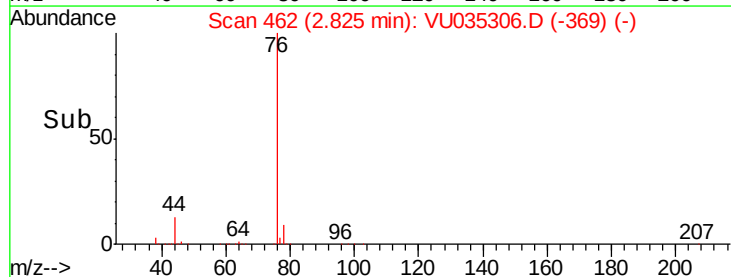
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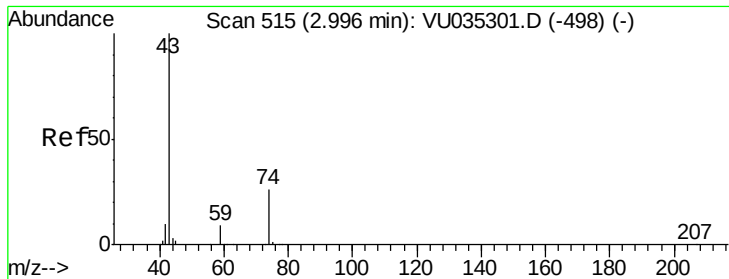
100000

0

2.80 2.85 2.90

Time-->





#15

Methyl Acetate

Concen: 49.549 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

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ClientSampled :

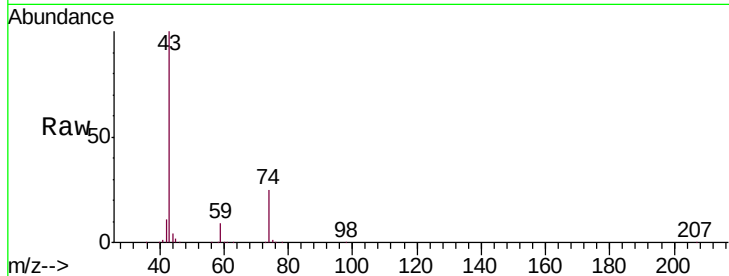
VICV33

Tgt Ion: 43 Resp: 251908

Ion Ratio Lower Upper

43 100

74 25.1 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU035306.D (-422) (-)

Ion 74.00 (73.70 to 74.70): VU035306.D (-422) (-)

3.00

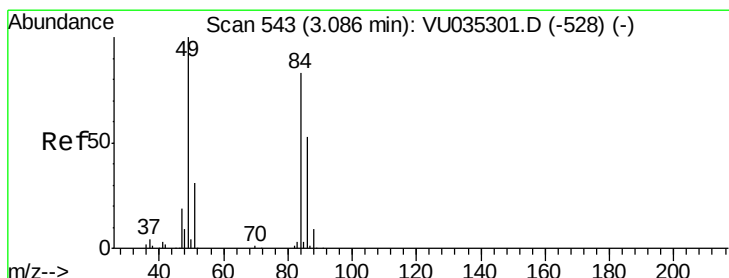
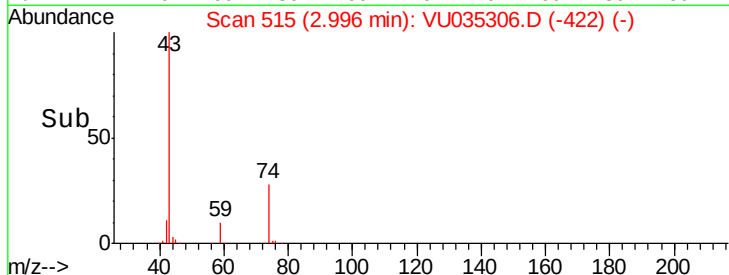
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 49.287 ug/L

RT: 3.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

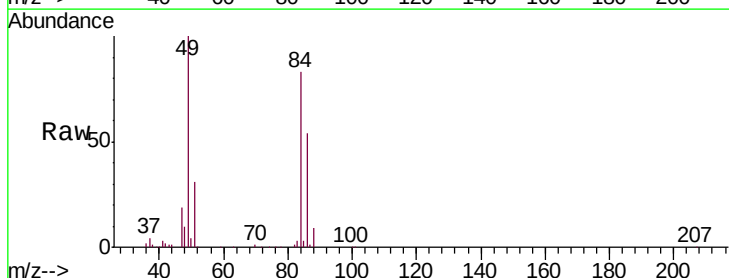
Tgt Ion: 84 Resp: 242422

Ion Ratio Lower Upper

84 100

86 65.2 44.4 82.5

49 120.1 84.0 156.0



Abundance Ion 84.00 (83.70 to 84.70): VU035306.D (-450) (-)

Ion 86.00 (85.70 to 86.70): VU035306.D (-450) (-)

Ion 49.00 (48.70 to 49.70): VU035306.D (-450) (-)

200000

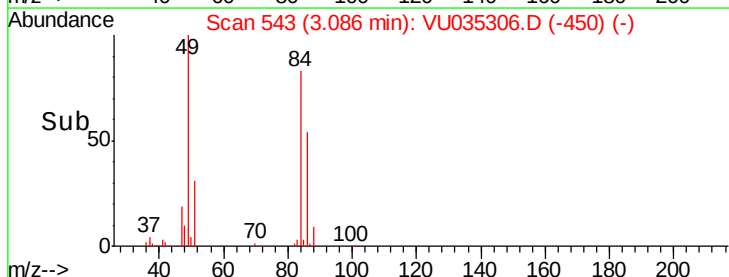
150000

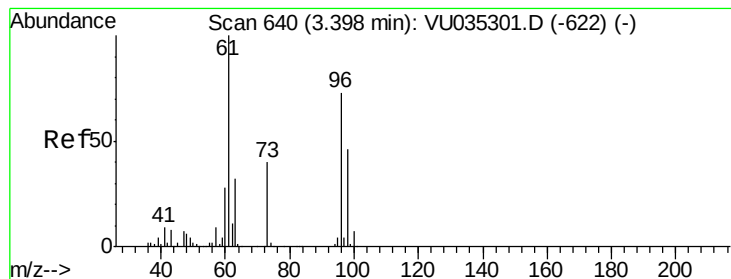
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 50.011 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampled :

VICV33

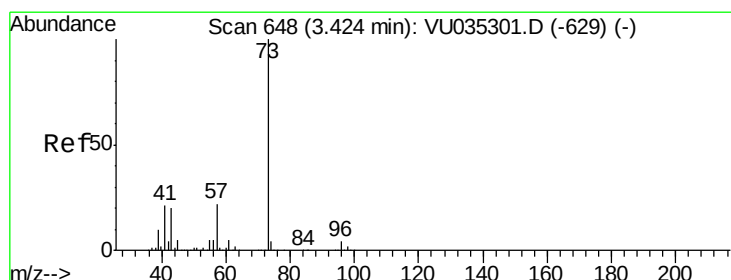
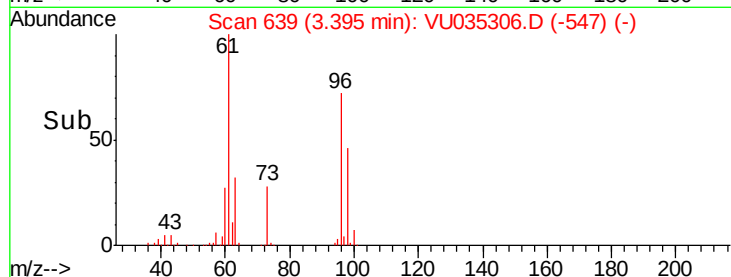
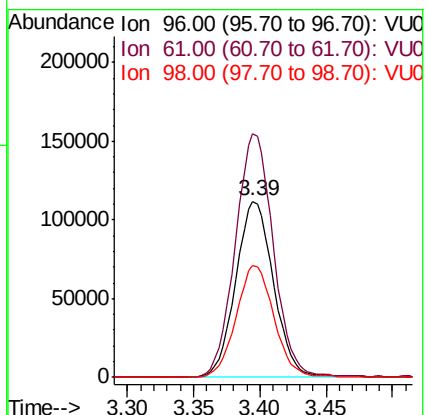
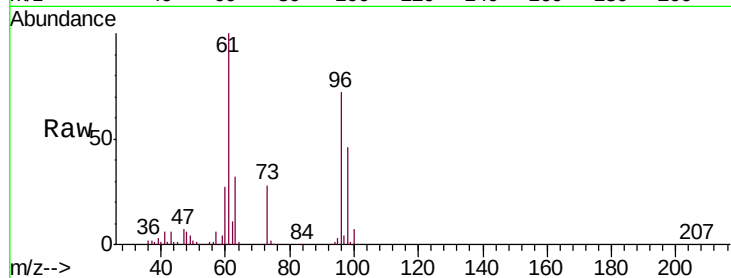
Tgt Ion: 96 Resp: 222249

Ion Ratio Lower Upper

96 100

61 138.3 95.8 178.0

98 63.7 44.4 82.4



#18

Methyl tert-butyl Ether

Concen: 49.813 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

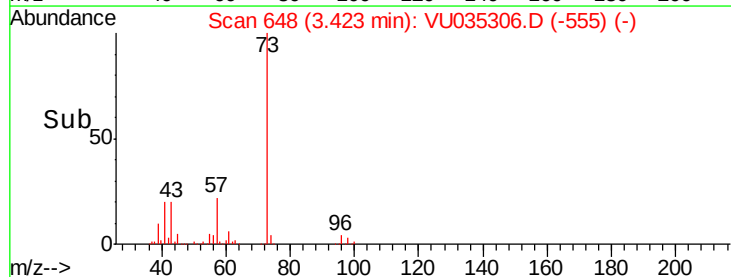
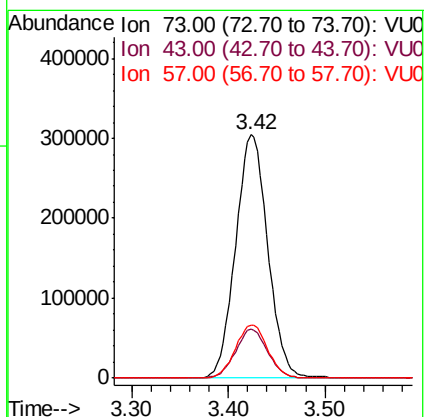
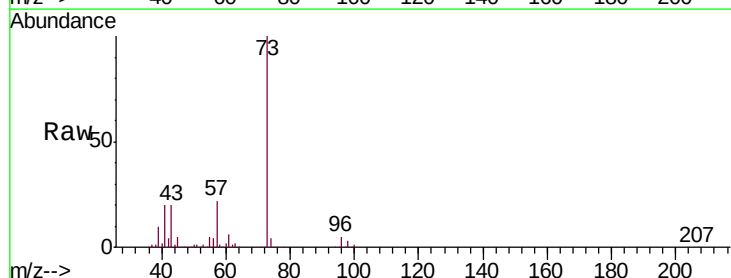
Tgt Ion: 73 Resp: 704027

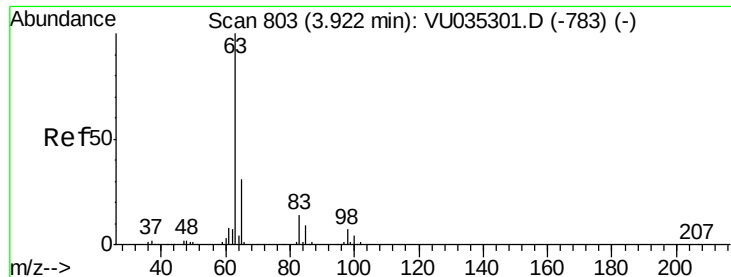
Ion Ratio Lower Upper

73 100

43 19.7 16.0 24.0

57 21.8 17.6 26.4





#19

1,1-Dichloroethane

Concen: 49.242 ug/L

RT: 3.92 min Scan# 803

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampled :

VICV33

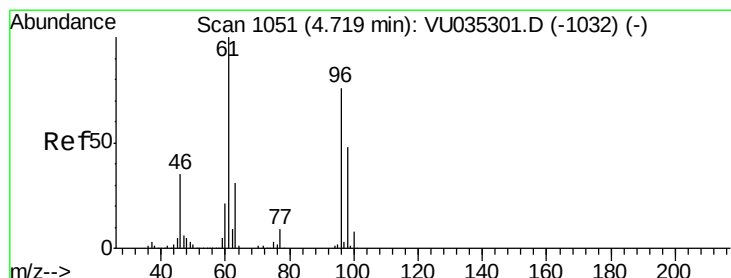
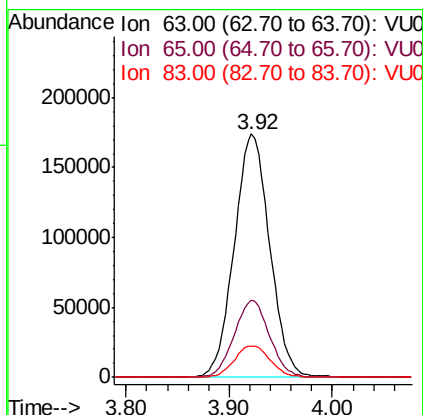
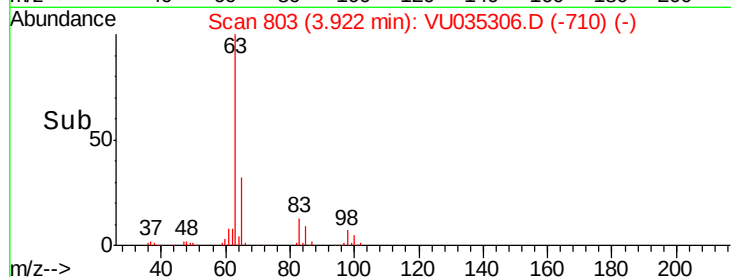
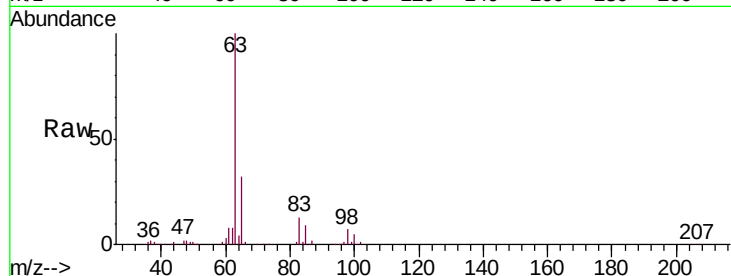
Tgt Ion: 63 Resp: 416731

Ion Ratio Lower Upper

63 100

65 31.7 21.6 40.0

83 13.0 9.4 17.6



#20

cis-1,2-Dichloroethene

Concen: 49.763 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

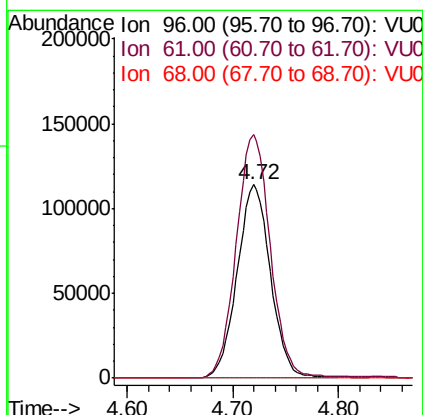
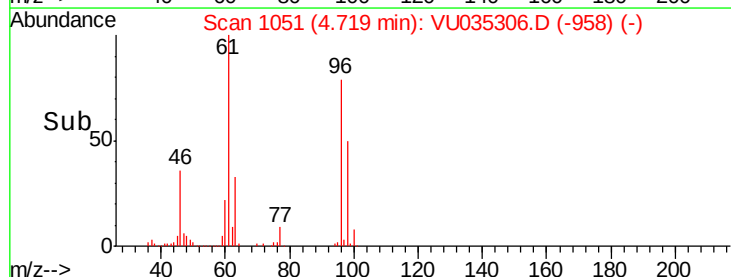
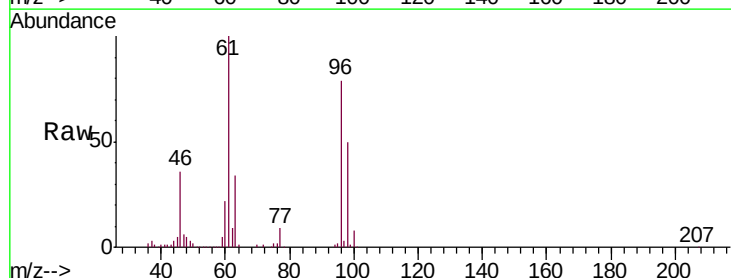
Tgt Ion: 96 Resp: 250970

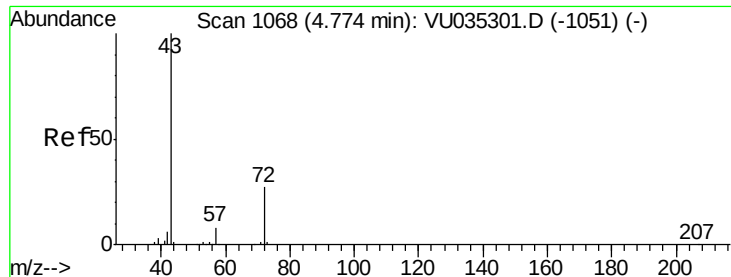
Ion Ratio Lower Upper

96 100

61 125.9 92.7 172.3

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.648 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampled :

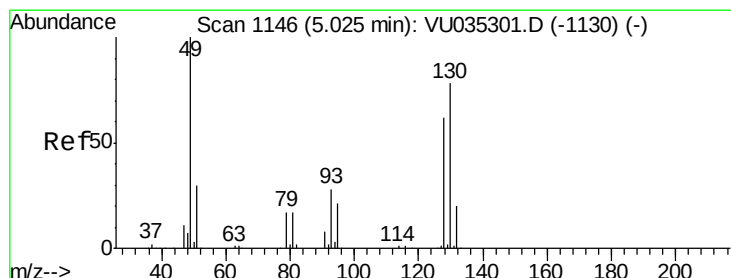
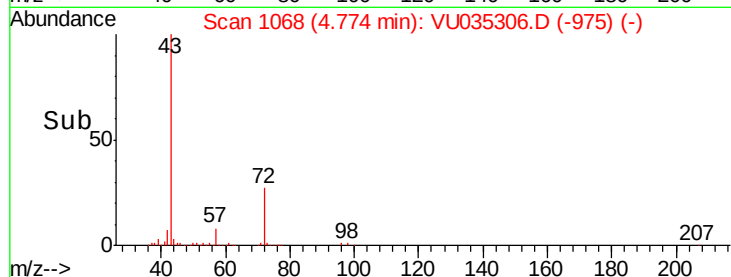
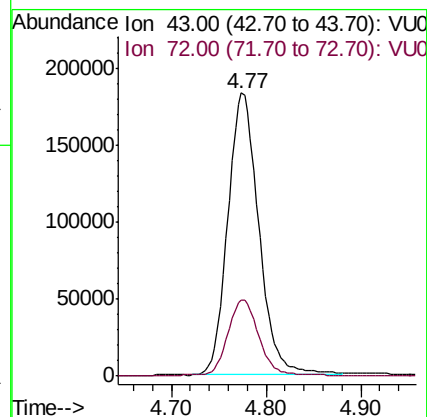
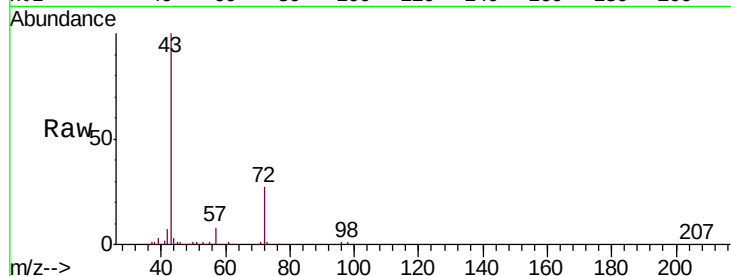
VICV33

Tgt Ion: 43 Resp: 418867

Ion Ratio Lower Upper

43 100

72 26.2 12.9 38.6



#23

Bromochloromethane

Concen: 48.918 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Tgt Ion: 128 Resp: 123739

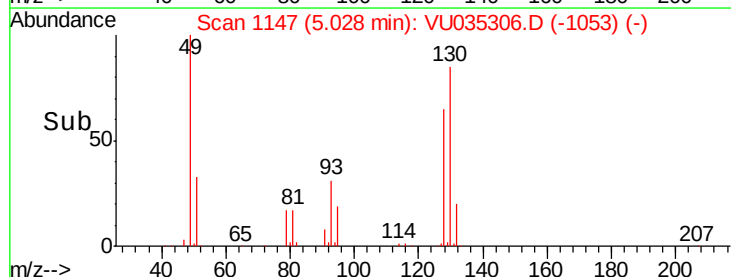
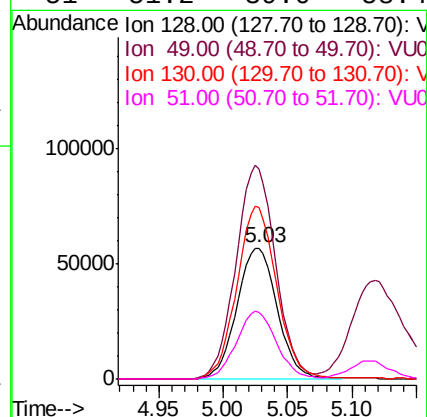
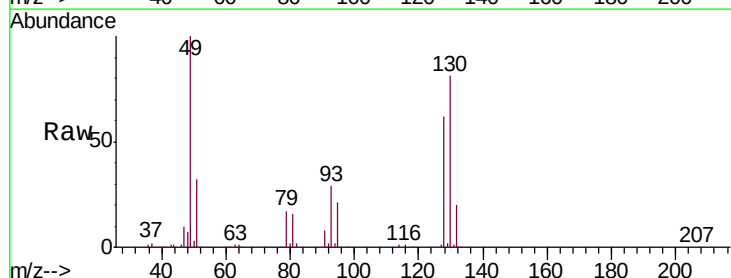
Ion Ratio Lower Upper

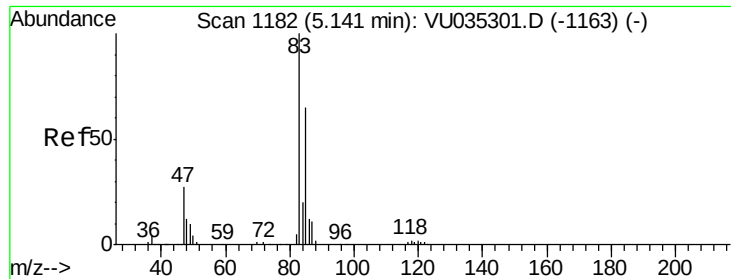
128 100

49 160.7 112.7 209.3

130 130.7 87.8 163.0

51 51.2 39.0 58.4

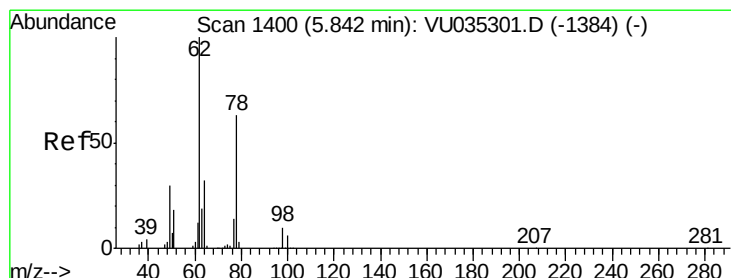
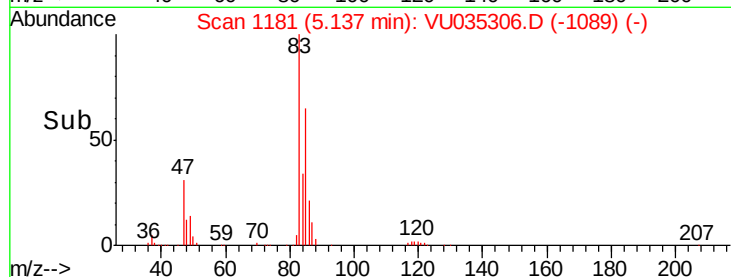
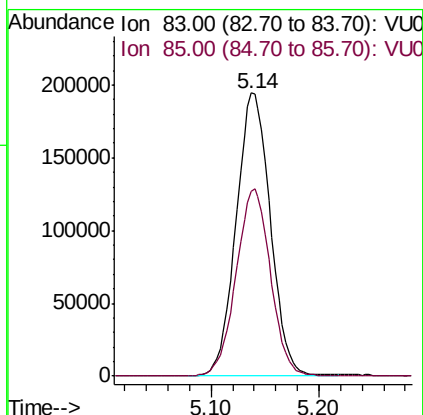
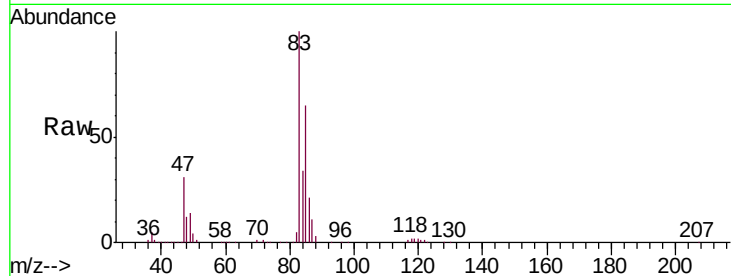




#25
Chloroform
Concen: 49.013 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035306.D
Acq: 19 Oct 2019 09:32

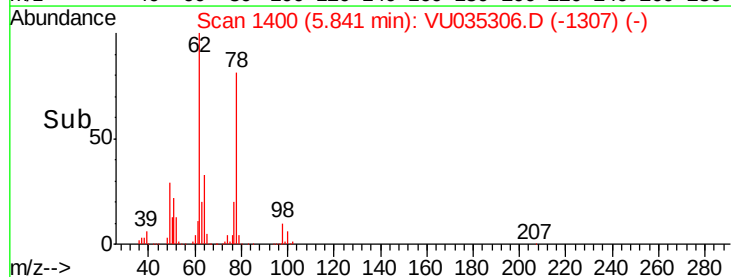
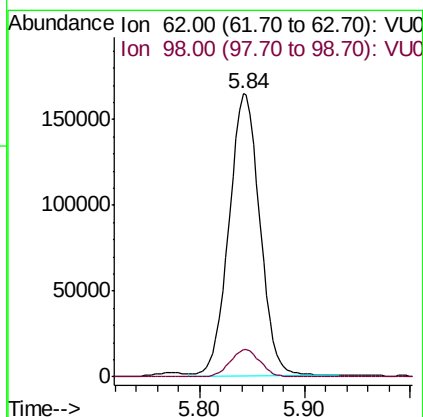
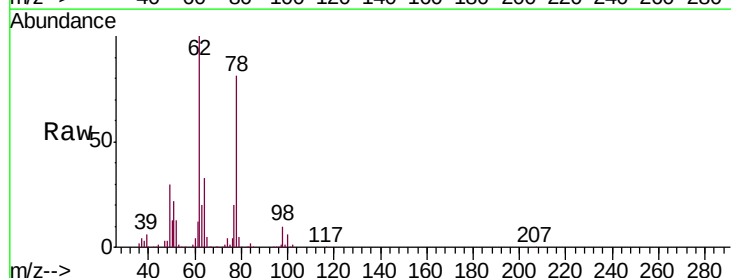
Instrument :
MSVOA_U
ClientSampled :
VICV33

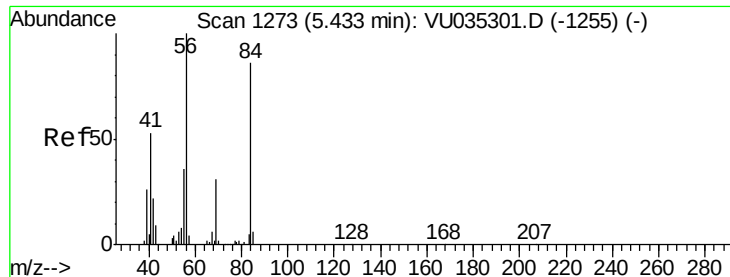
Tgt Ion: 83 Resp: 428117
Ion Ratio Lower Upper
83 100
85 65.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.428 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035306.D
Acq: 19 Oct 2019 09:32

Tgt Ion: 62 Resp: 334514
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.6

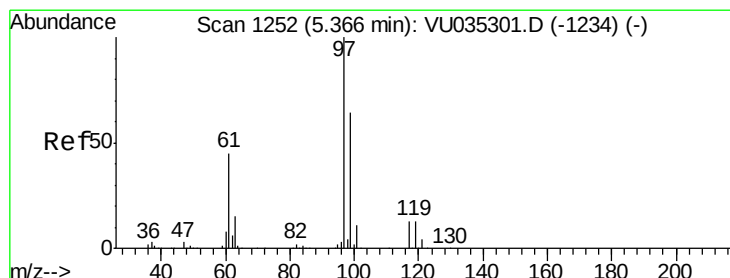
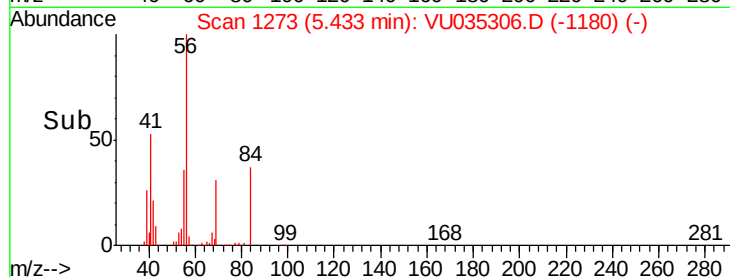
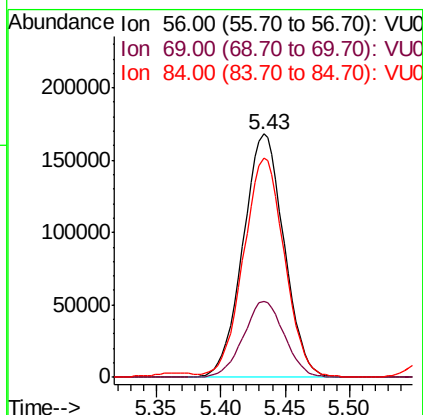
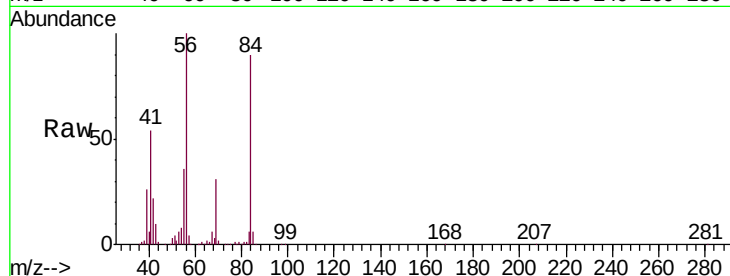




#29
Cyclohexane
Concen: 50.330 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035306.D
Acq: 19 Oct 2019 09:32

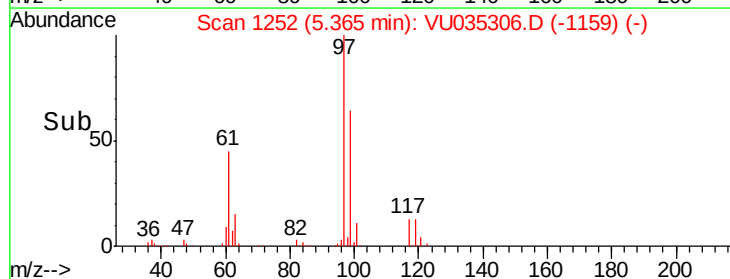
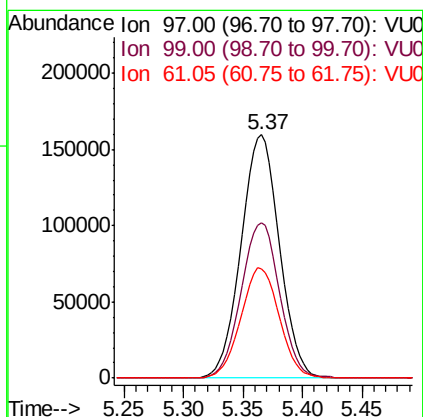
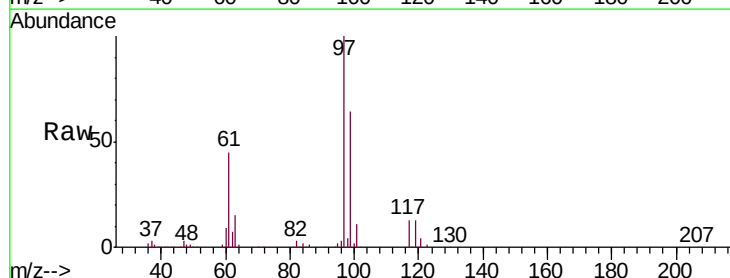
Instrument :
MSVOA_U
ClientSampleId :
VICV33

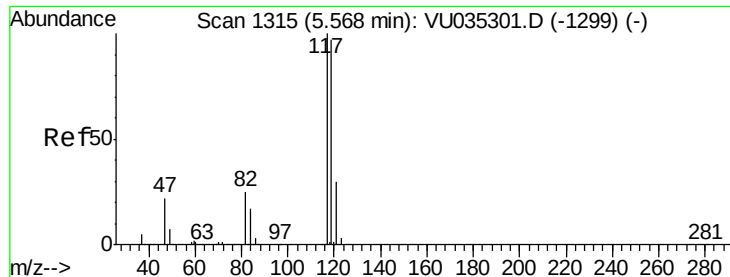
Tgt Ion: 56 Resp: 372761
Ion Ratio Lower Upper
56 100
69 31.3 24.2 36.4
84 89.7 71.1 106.7



#30
1,1,1-Trichloroethane
Concen: 49.276 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VU035306.D
Acq: 19 Oct 2019 09:32

Tgt Ion: 97 Resp: 357262
Ion Ratio Lower Upper
97 100
99 64.3 51.3 76.9
61 45.3 36.6 54.8



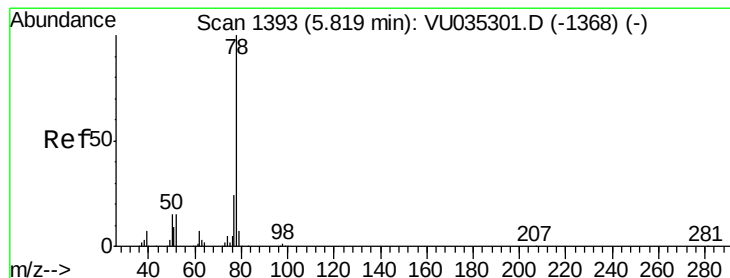
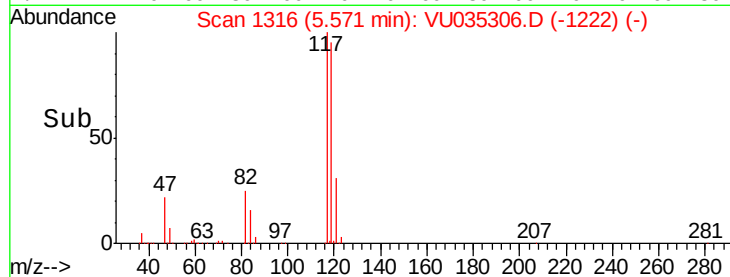
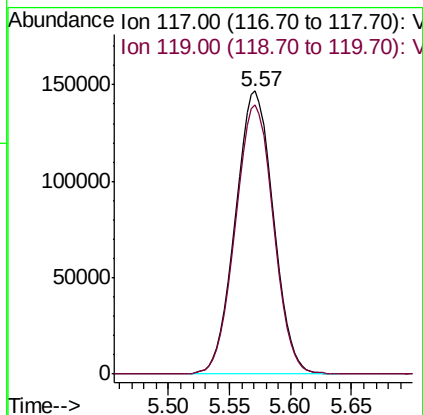
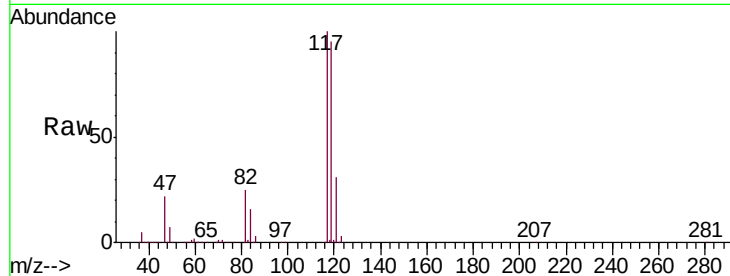


#31

Carbon tetrachloride
 Concen: 49.999 ug/L
 RT: 5.57 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

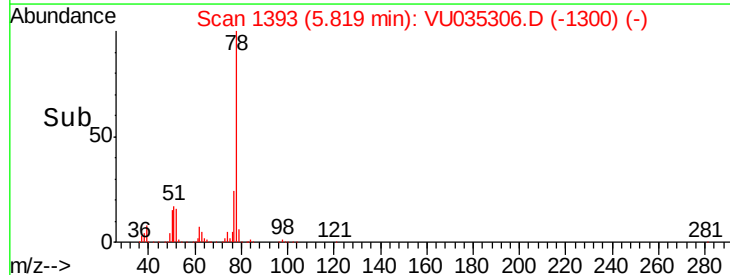
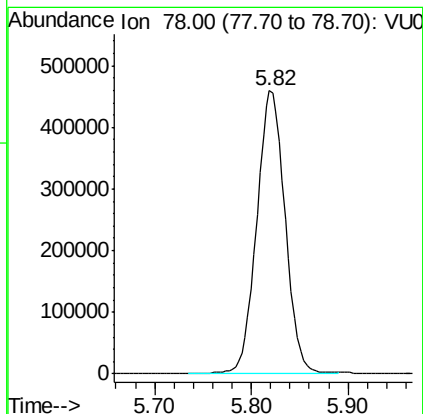
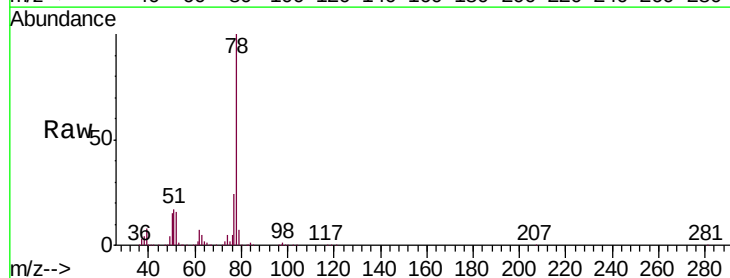
Tgt Ion:117 Resp: 317131
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.7 116.5

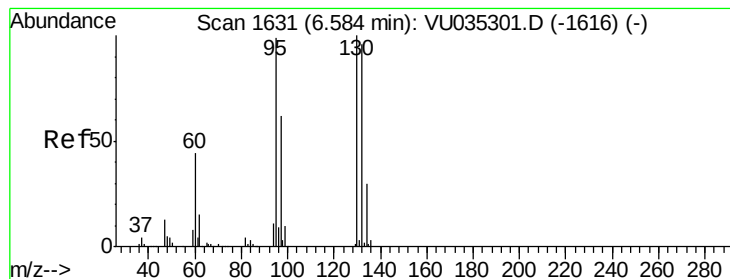


#33

Benzene
 Concen: 50.092 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

Tgt Ion: 78 Resp: 938080





#34

Trichloroethene

Concen: 49.379 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VICV33

Tgt Ion: 95 Resp: 238272

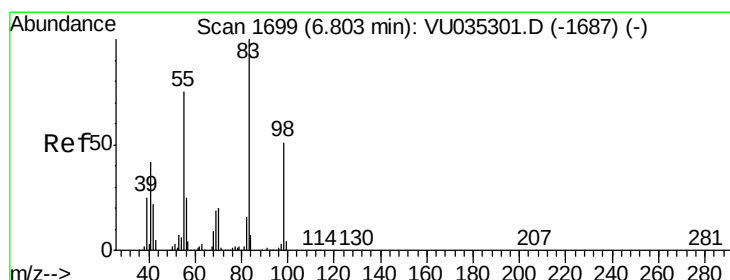
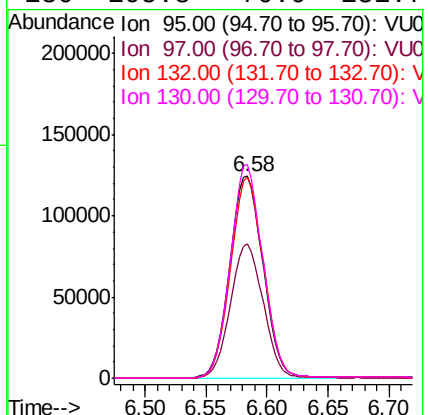
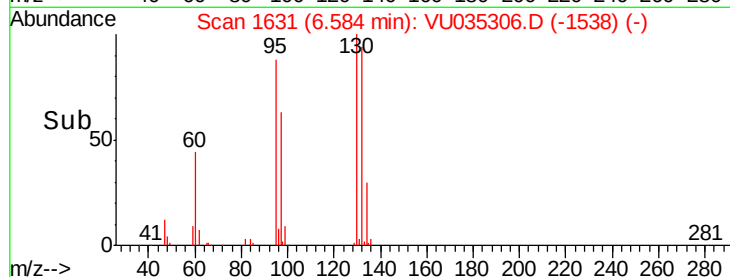
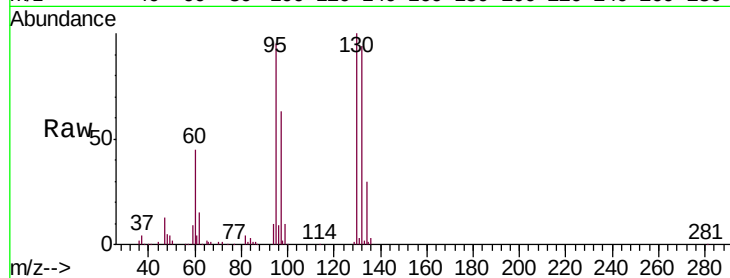
Ion Ratio Lower Upper

95 100

97 66.4 44.2 82.2

132 99.8 67.8 125.8

130 105.8 70.9 131.7



#35

Methylcyclohexane

Concen: 51.180 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

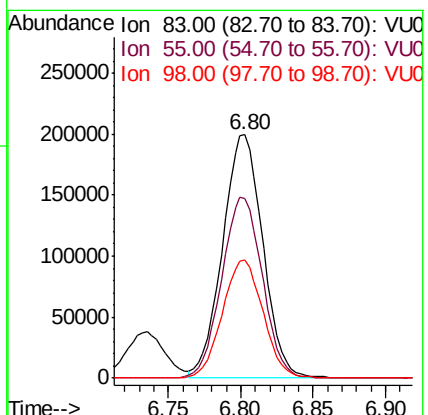
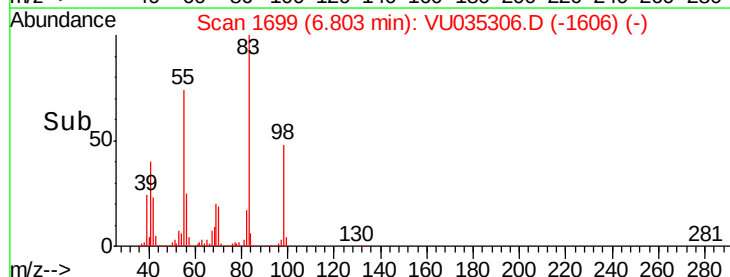
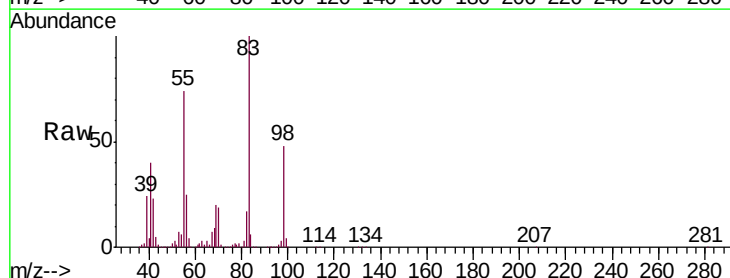
Tgt Ion: 83 Resp: 381831

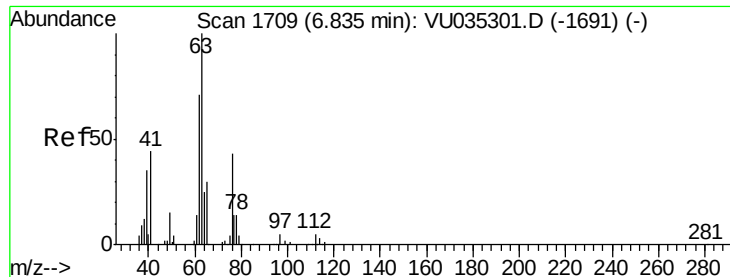
Ion Ratio Lower Upper

83 100

55 75.3 59.5 89.3

98 49.0 39.9 59.9

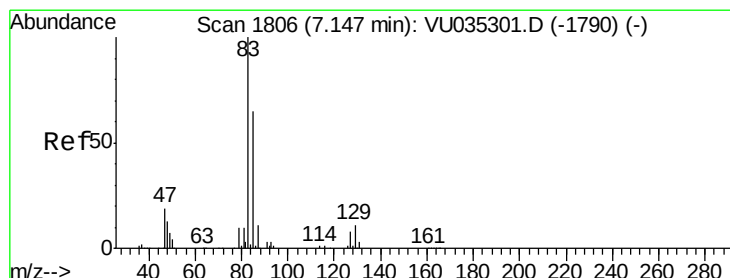
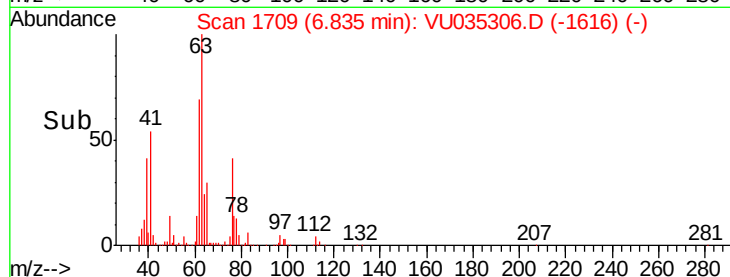
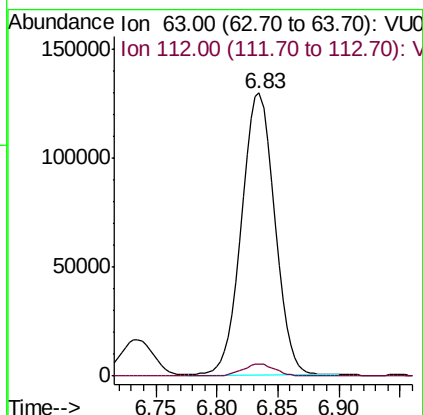
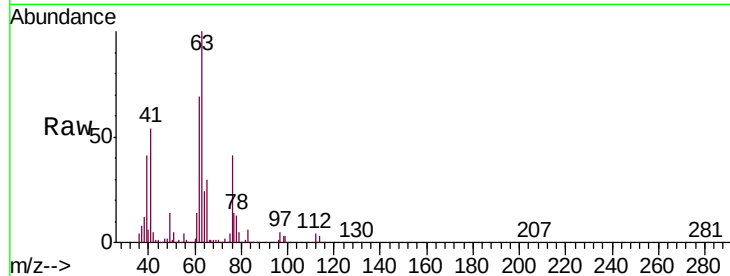




#37
 1,2-Dichloropropane
 Concen: 50.309 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

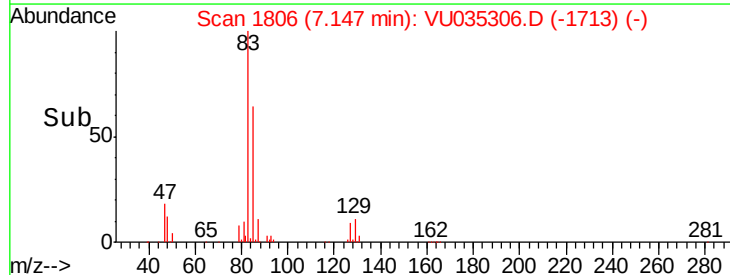
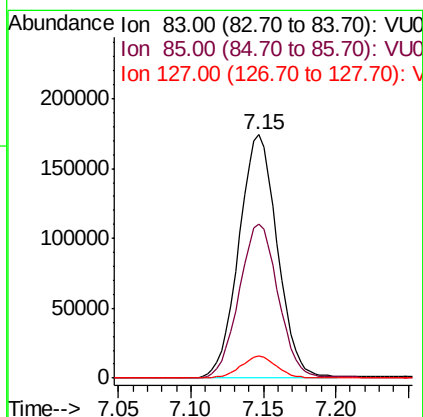
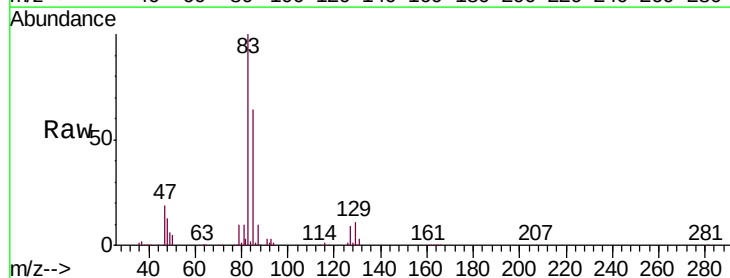
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

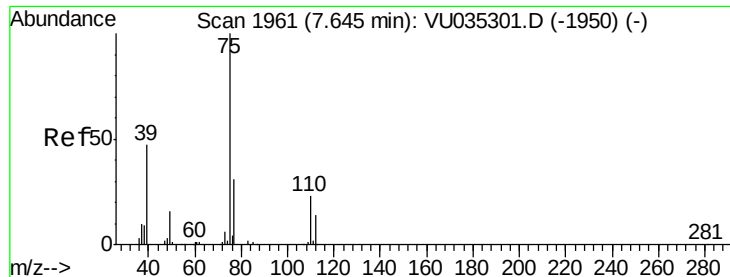
Tgt Ion: 63 Resp: 243975
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 49.559 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

Tgt Ion: 83 Resp: 321524
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.3 84.1
 127 8.9 6.6 10.0

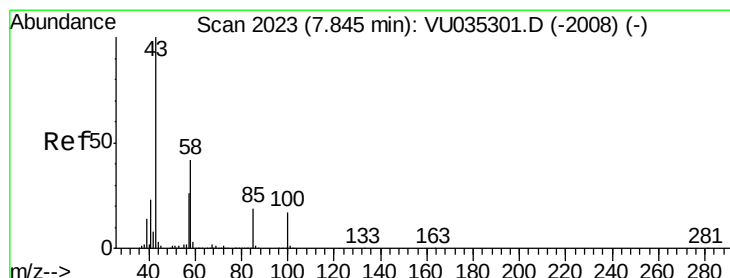
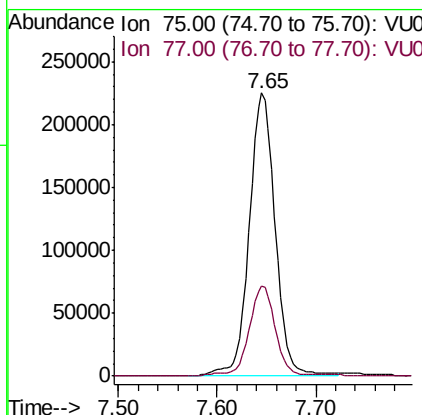
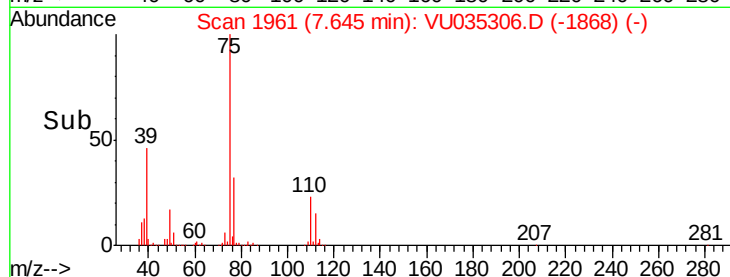
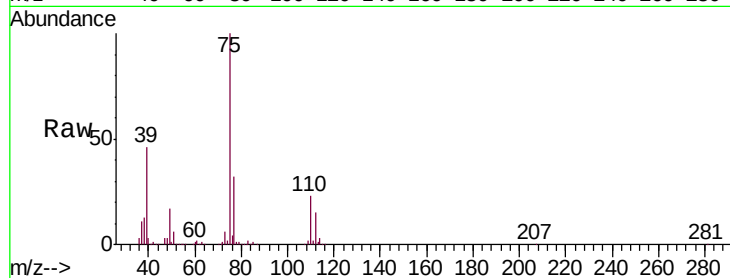




#39
 cis-1,3-Dichloropropene
 Concen: 52.235 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

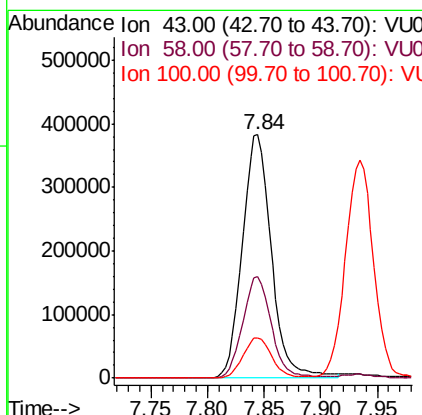
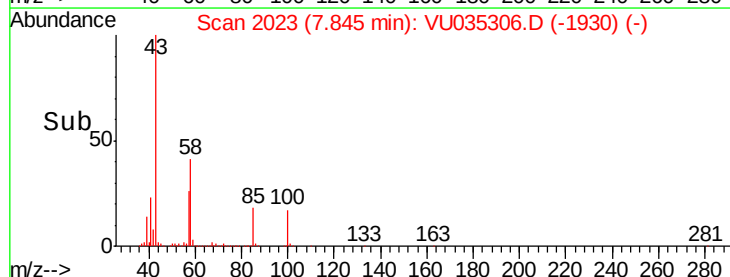
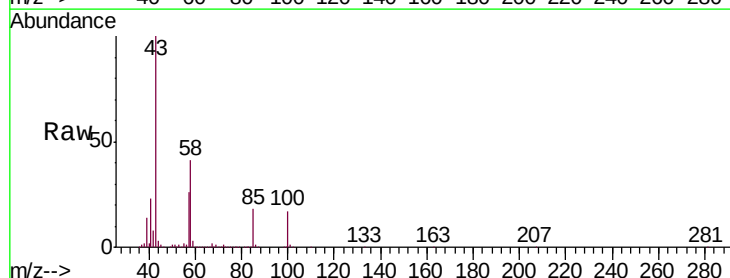
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

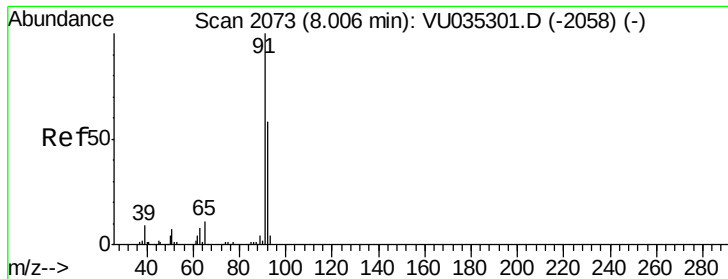
Tgt Ion: 75 Resp: 409347
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 95.931 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

Tgt Ion: 43 Resp: 687322
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.1 49.7
 100 16.3 13.2 19.8





#42

Toluene

Concen: 49.763 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampled :

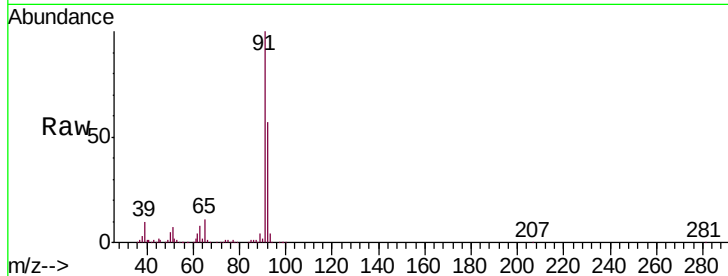
VICV33

Tgt Ion: 91 Resp: 1020091

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU035301.D (-2058) (-)

Ion 92.00 (91.70 to 92.70): VU035301.D (-2058) (-)

8.01

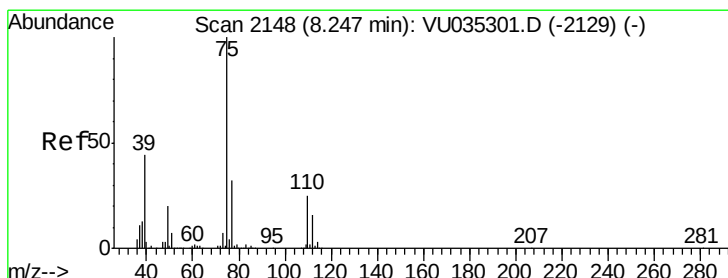
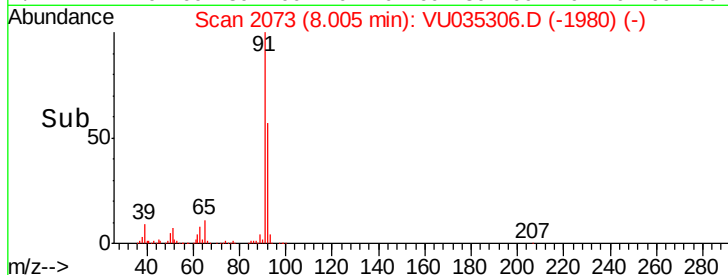
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.654 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035306.D

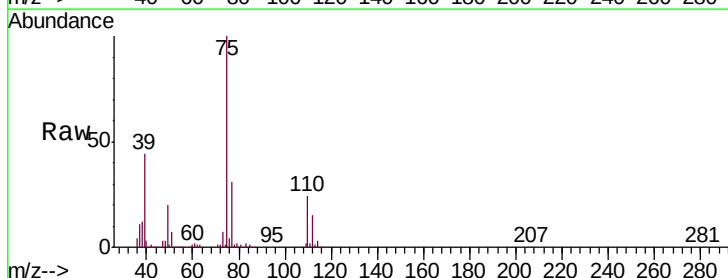
Acq: 19 Oct 2019 09:32

Tgt Ion: 75 Resp: 370934

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU035301.D (-2129) (-)

Ion 77.00 (76.70 to 77.70): VU035301.D (-2129) (-)

8.25

250000

200000

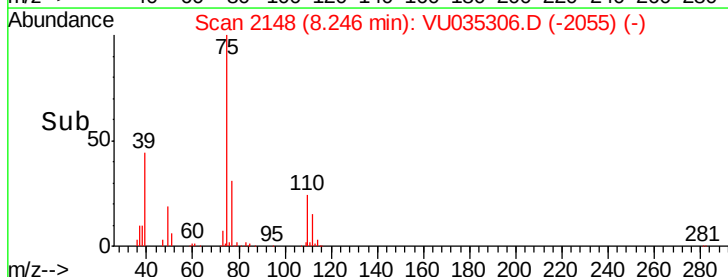
150000

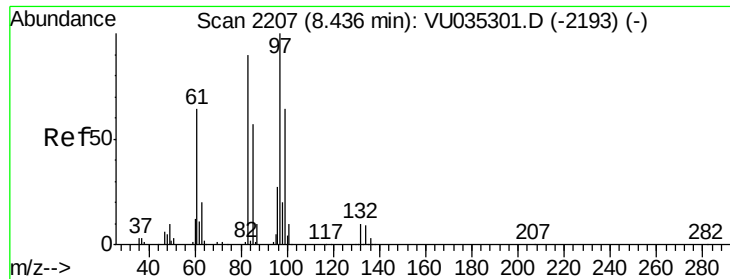
100000

50000

0

Time-->

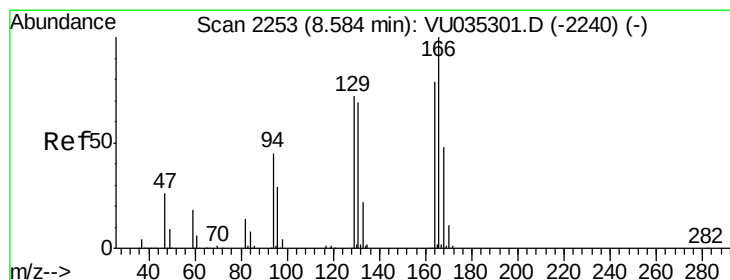
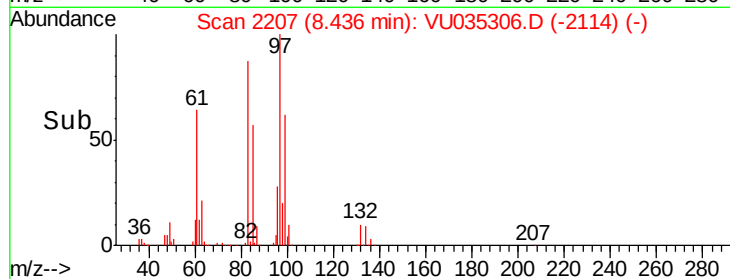
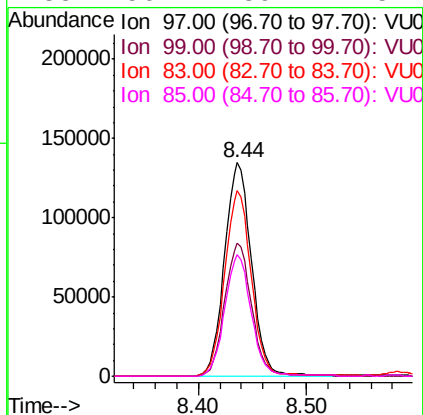
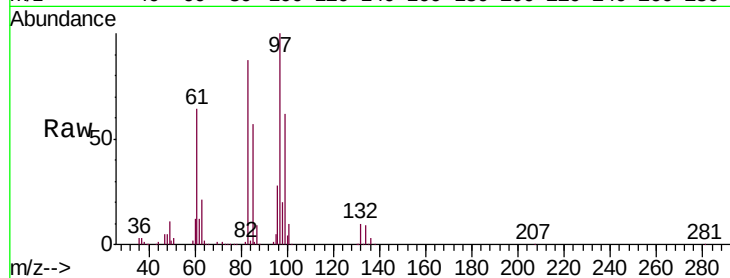




#45
 1,1,2-Trichloroethane
 Concen: 49.367 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

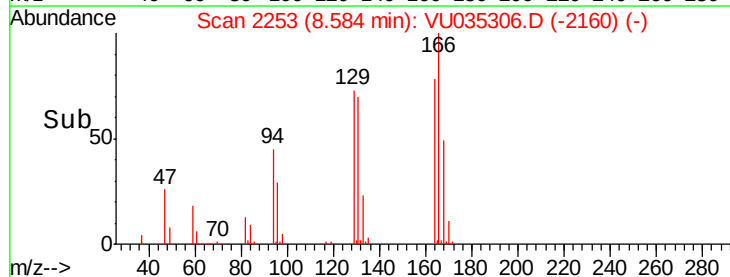
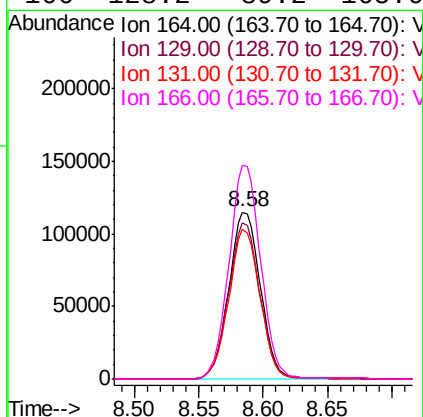
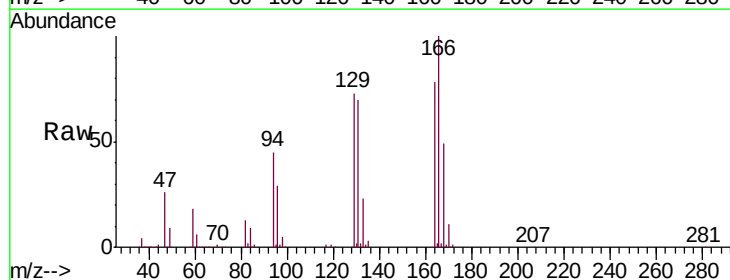
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

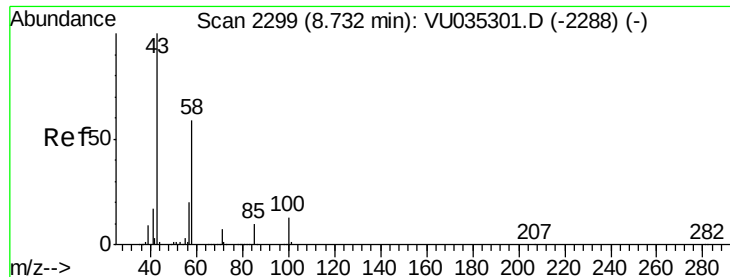
Tgt Ion:	97	Resp:	235983
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.5	82.7
83	86.9	63.0	117.0
85	56.7	39.7	73.7



#46
 Tetrachloroethene
 Concen: 50.256 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

Tgt Ion:	164	Resp:	195907
Ion	Ratio	Lower	Upper
164	100		
129	93.7	64.0	119.0
131	89.8	61.8	114.8
166	128.2	89.2	165.6

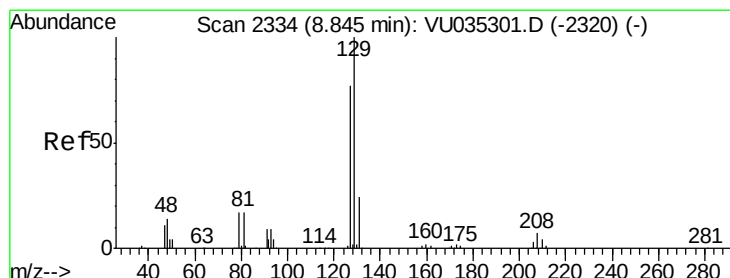
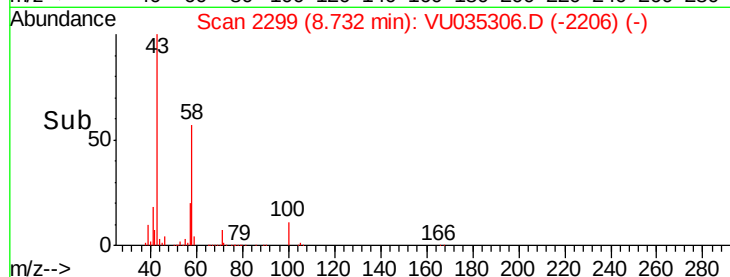
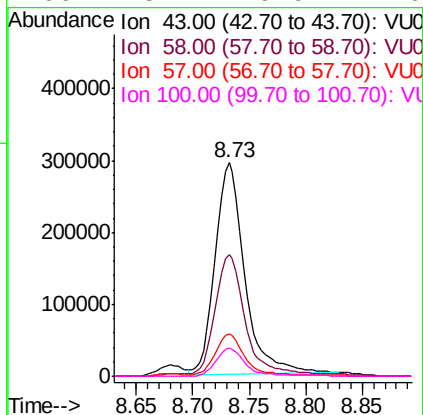
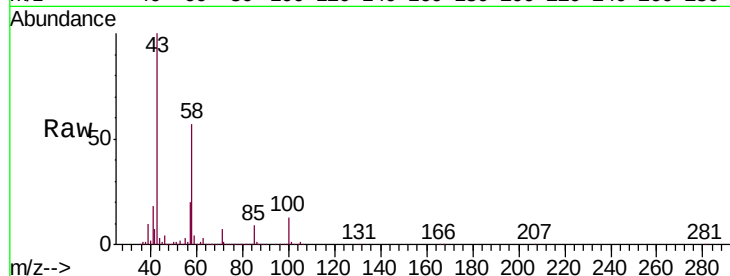




#48
2-Hexanone
Concen: 87.749 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035306.D
Acq: 19 Oct 2019 09:32

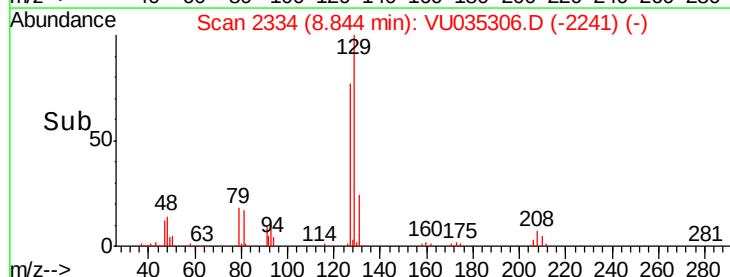
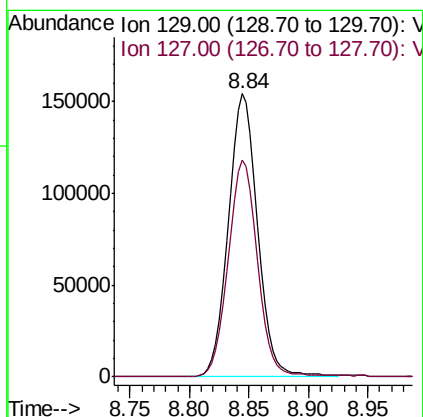
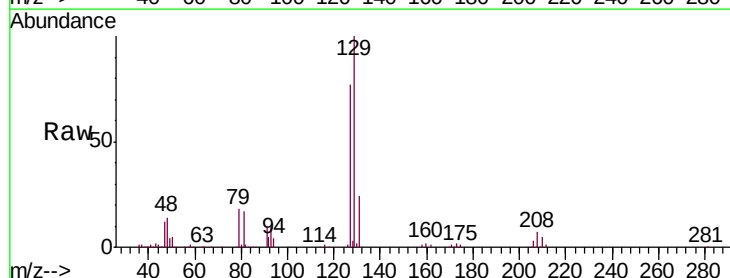
Instrument :
MSVOA_U
ClientSampleId :
VICV33

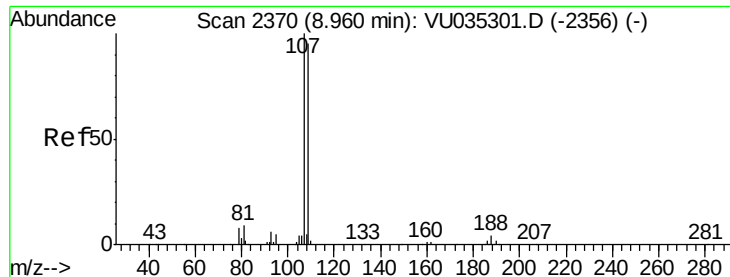
Tgt Ion:	43	Resp:	534774
Ion	Ratio	Lower	Upper
43	100		
58	60.8	42.7	64.1
57	21.1	14.8	22.2
100	13.4	9.9	14.9



#49
Dibromochloromethane
Concen: 49.344 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035306.D
Acq: 19 Oct 2019 09:32

Tgt Ion:	129	Resp:	263227
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.0	100.4

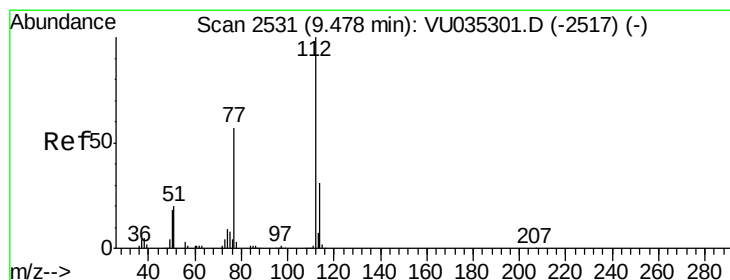
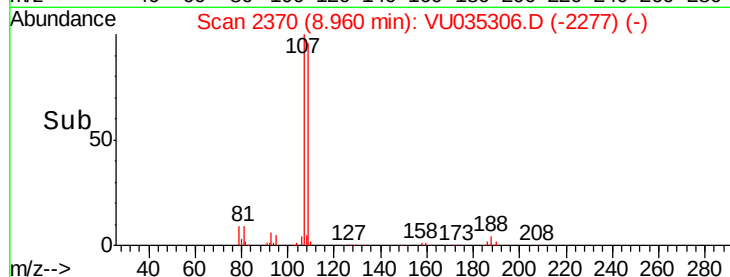
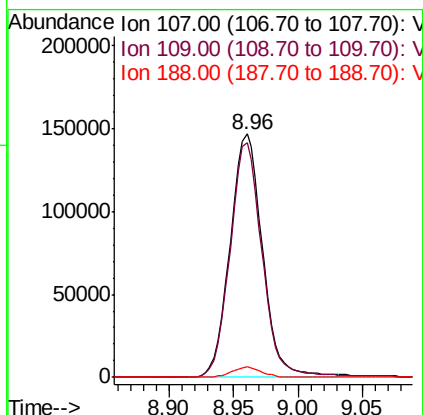
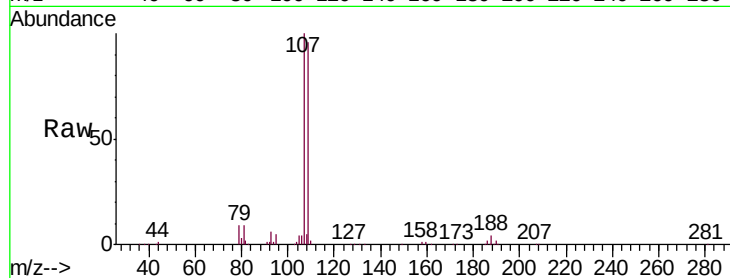




#50
 1,2-Dibromoethane
 Concen: 48.479 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

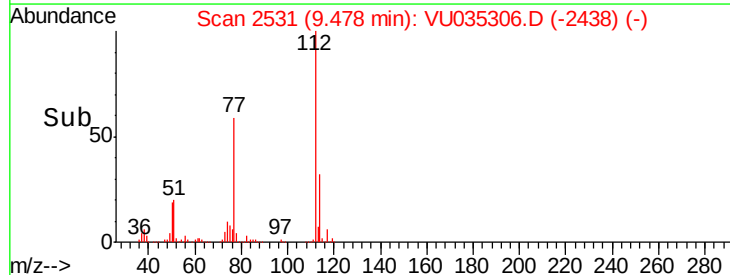
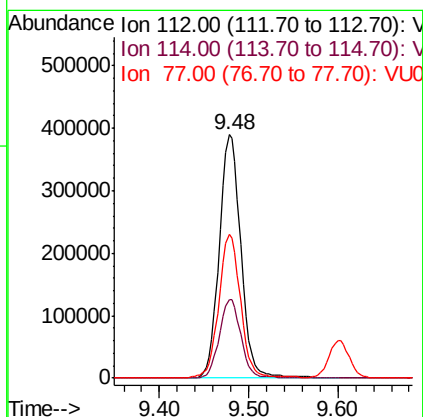
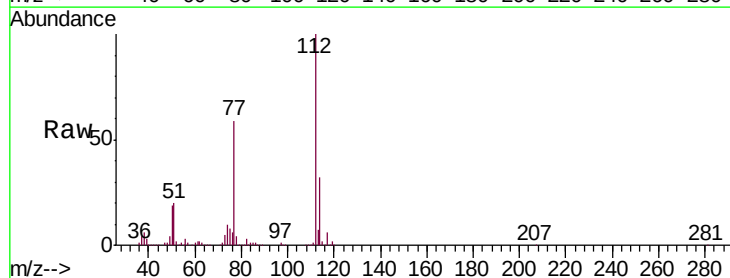
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

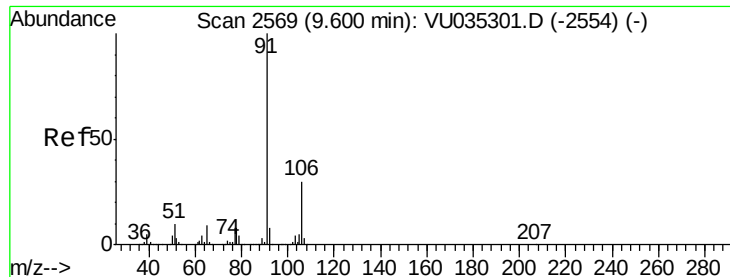
Tgt Ion:	107	Resp:	256371
Ion	Ratio	Lower	Upper
107	100		
109	96.2	66.8	124.2
188	4.4	3.4	5.2



#51
 Chlorobenzene
 Concen: 48.944 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

Tgt Ion:	112	Resp:	654364
Ion	Ratio	Lower	Upper
112	100		
114	32.2	21.9	40.7
77	58.8	46.2	69.2





#52

Ethylbenzene

Concen: 50.171 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

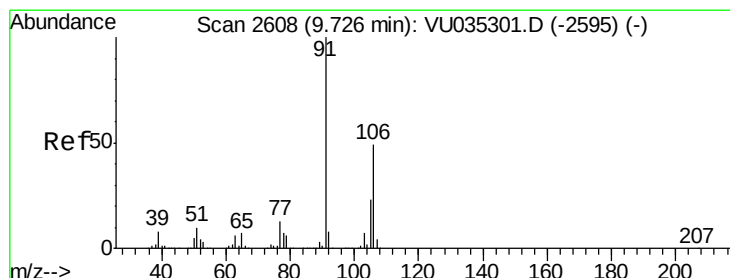
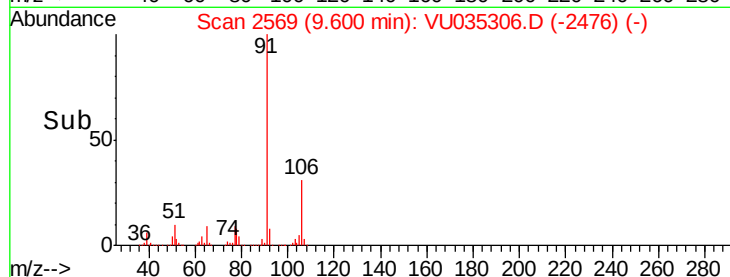
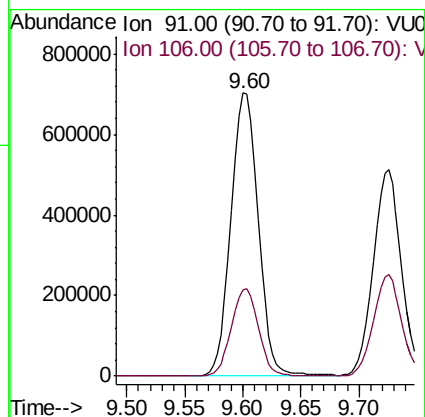
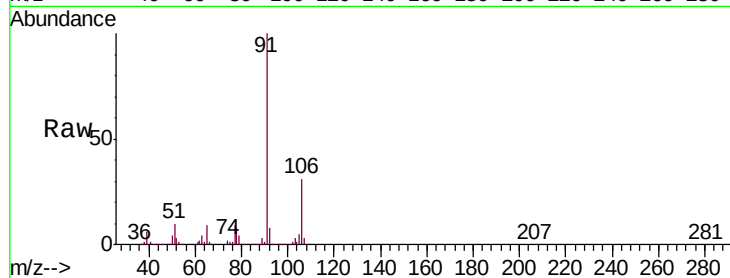
VICV33

Tgt Ion: 91 Resp: 1146309

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#53

m,p-Xylene

Concen: 51.103 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035306.D

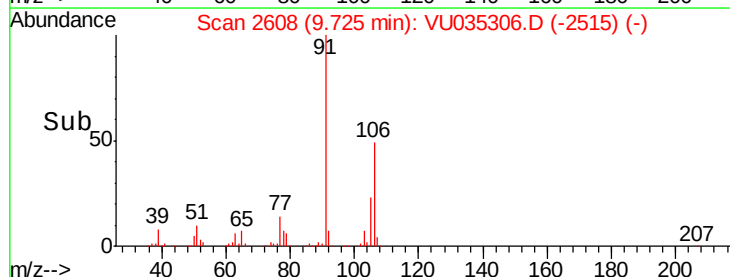
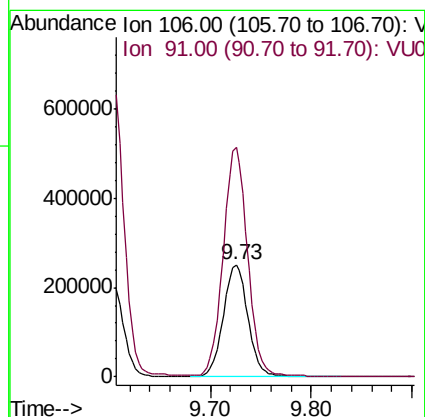
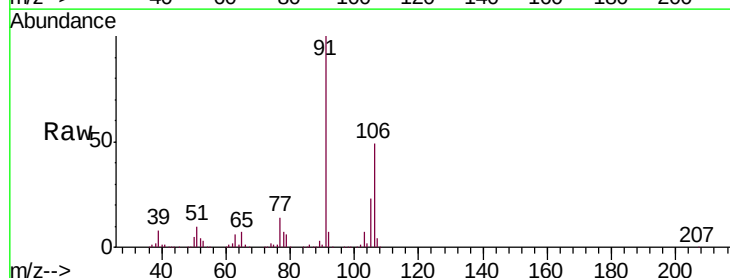
Acq: 19 Oct 2019 09:32

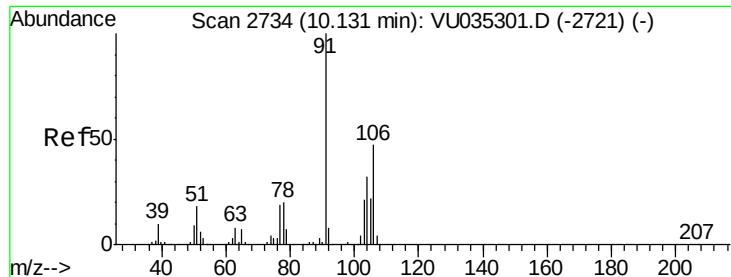
Tgt Ion: 106 Resp: 430403

Ion Ratio Lower Upper

106 100

91 203.8 141.5 262.9





#54

o-xylene

Concen: 50.486 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

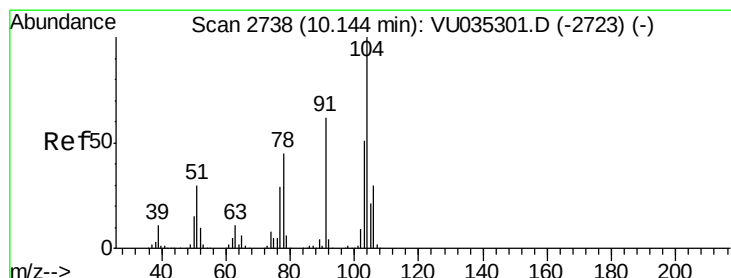
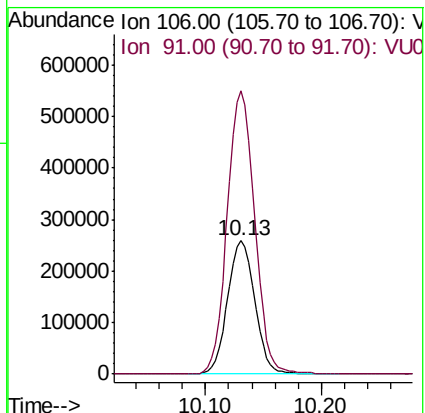
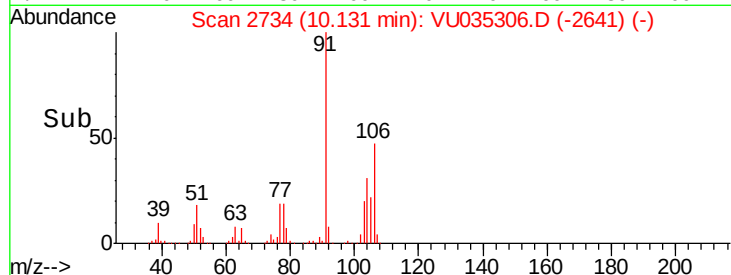
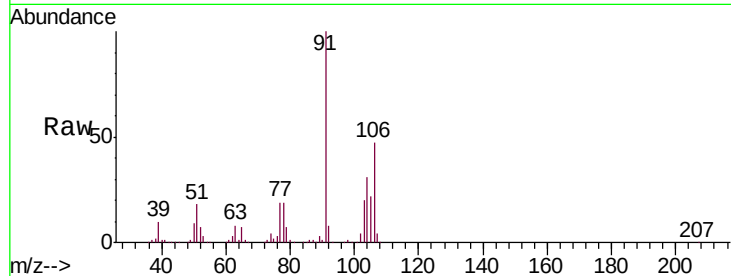
VICV33

Tgt Ion:106 Resp: 421763

Ion Ratio Lower Upper

106 100

91 211.9 150.6 279.8



#55

Styrene

Concen: 51.698 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035306.D

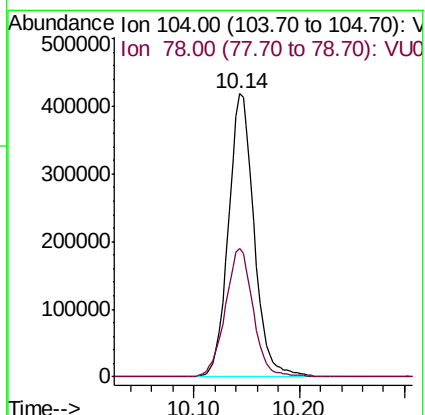
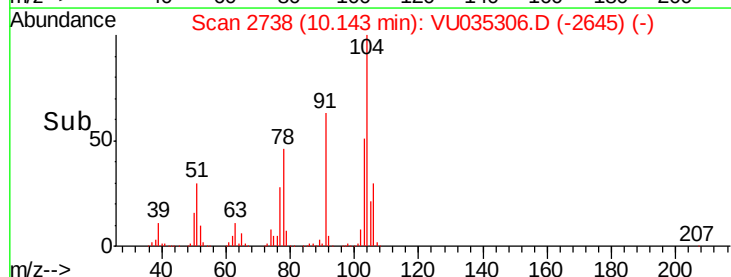
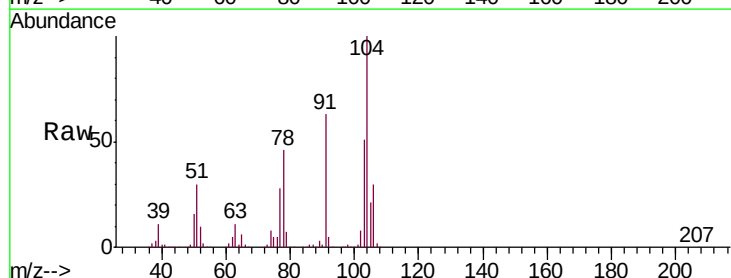
Acq: 19 Oct 2019 09:32

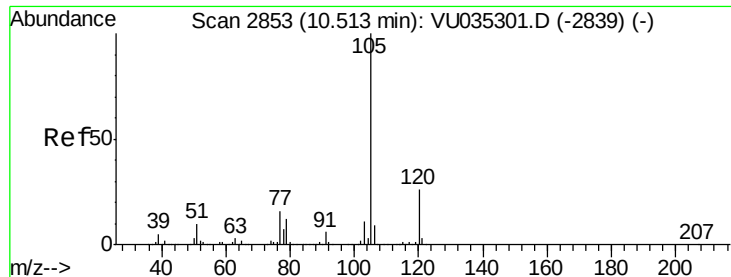
Tgt Ion:104 Resp: 703347

Ion Ratio Lower Upper

104 100

78 45.6 31.5 58.5





#56

Isopropylbenzene

Concen: 50.356 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VICV33

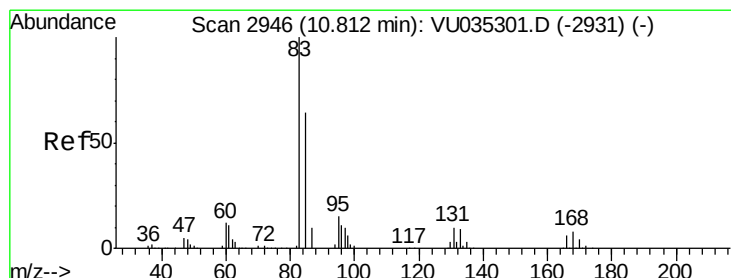
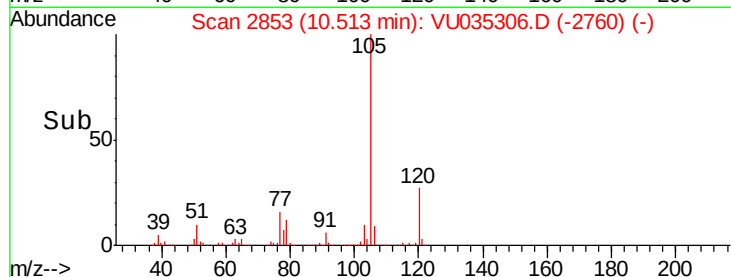
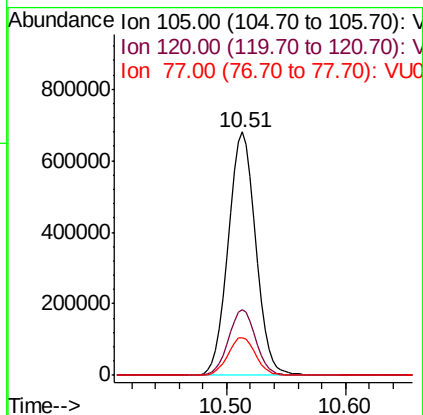
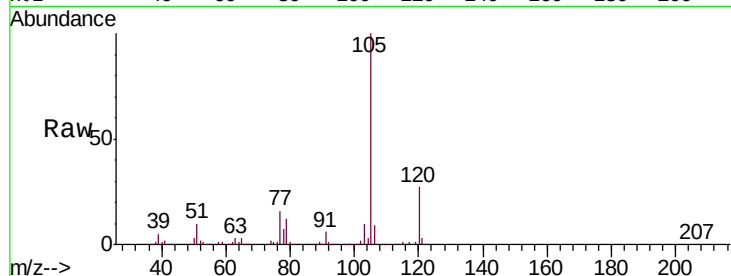
Tgt Ion:105 Resp: 1089125

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

77 15.7 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 48.526 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

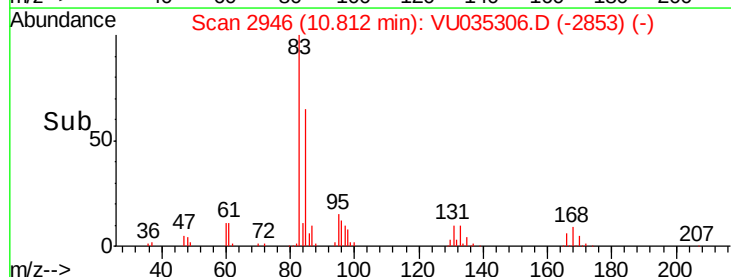
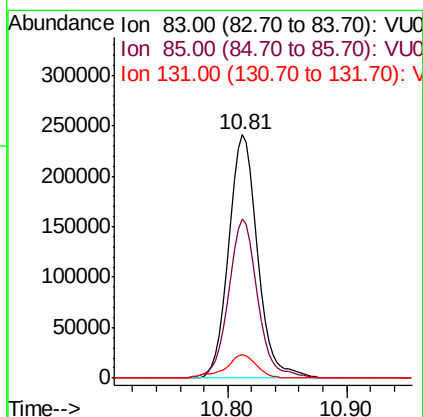
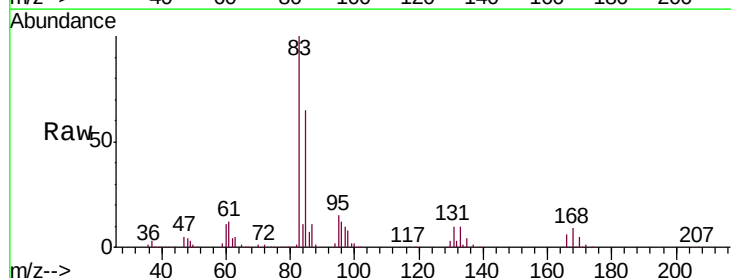
Tgt Ion: 83 Resp: 405489

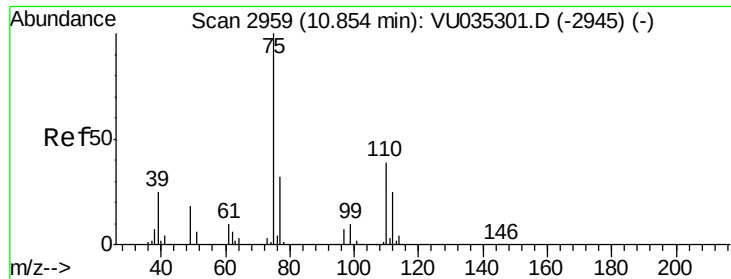
Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.5

131 9.6 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 48.495 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

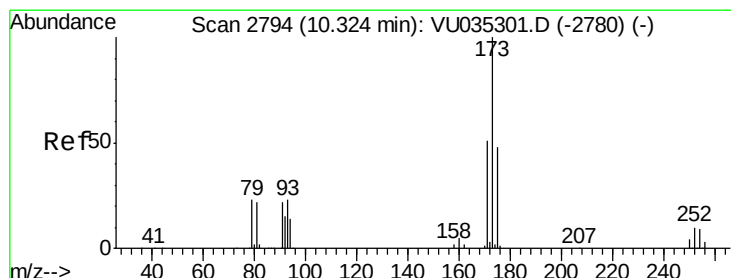
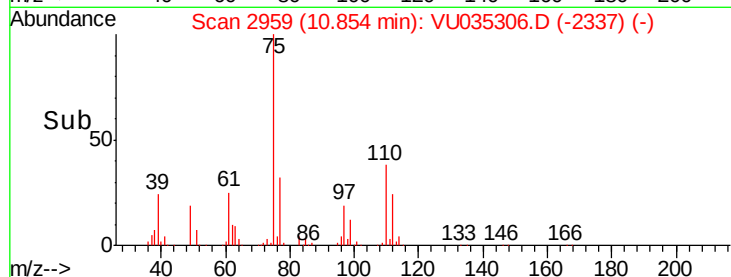
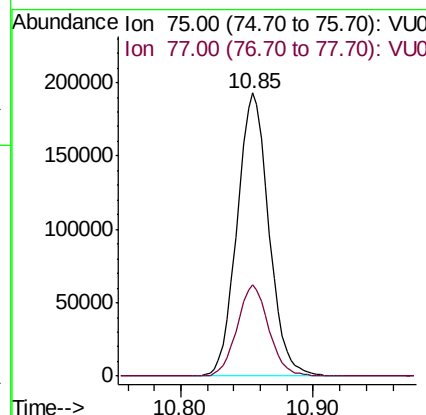
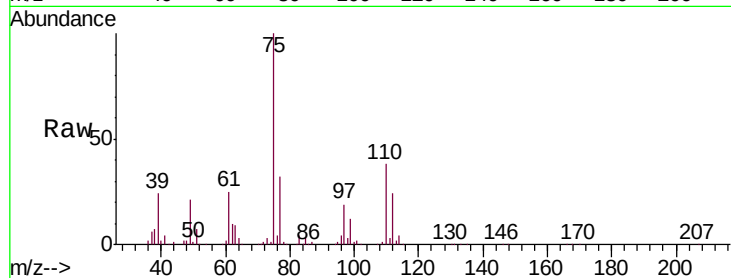
VICV33

Tgt Ion: 75 Resp: 320252

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2



#61

Bromoform

Concen: 46.157 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

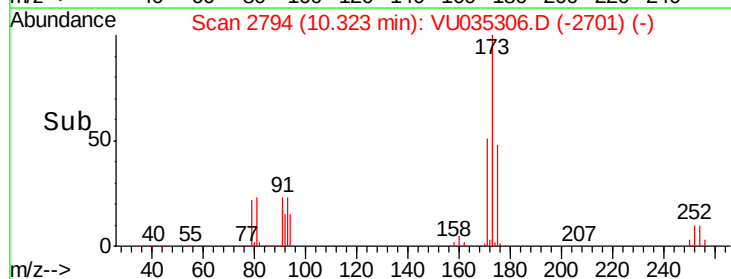
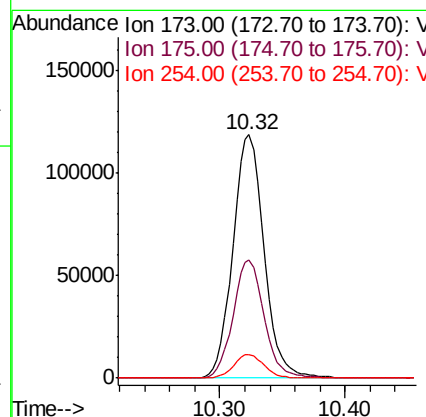
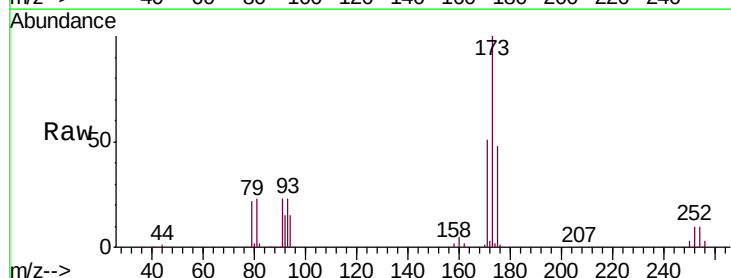
Tgt Ion: 173 Resp: 204006

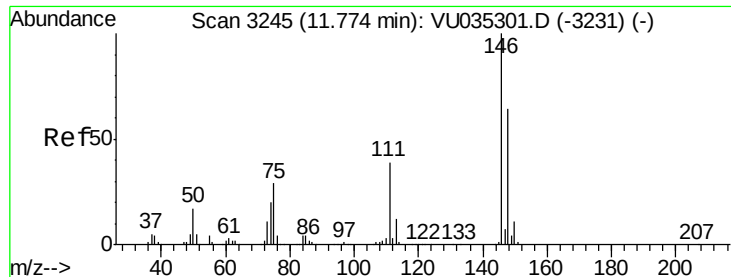
Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

254 9.3 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 48.232 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

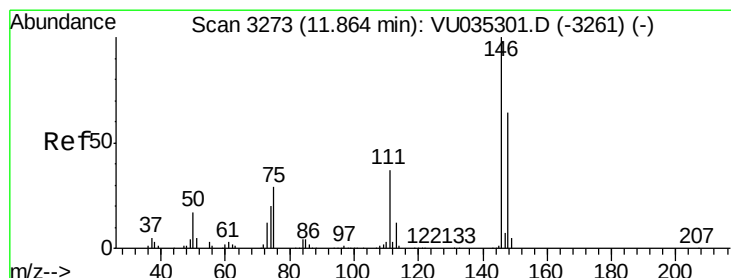
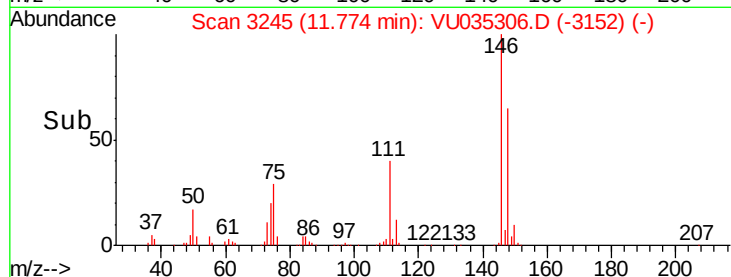
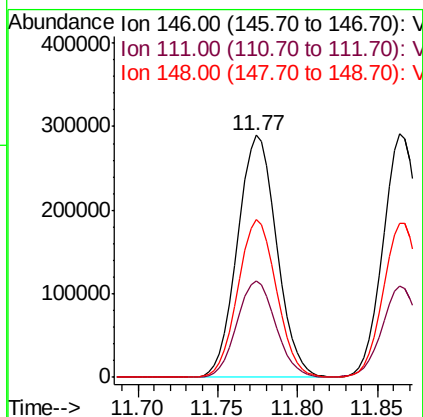
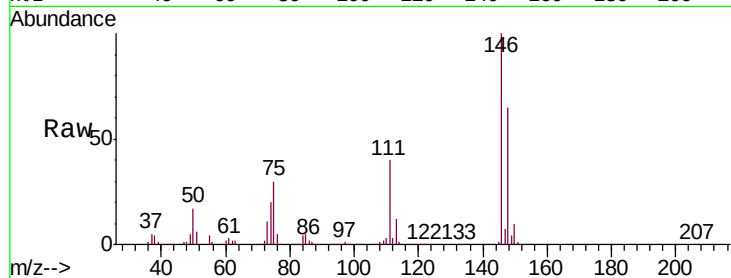
Instrument :

MSVOA_U

ClientSampleId :

VICV33

Tgt Ion:	146	Resp:	484066
Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.3	50.7
148	65.1	44.8	83.2



#63

1,4-Dichlorobenzene

Concen: 47.891 ug/L

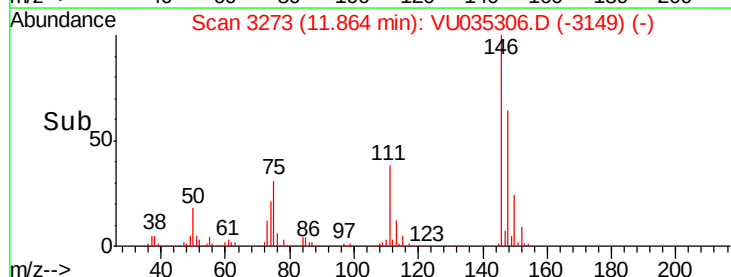
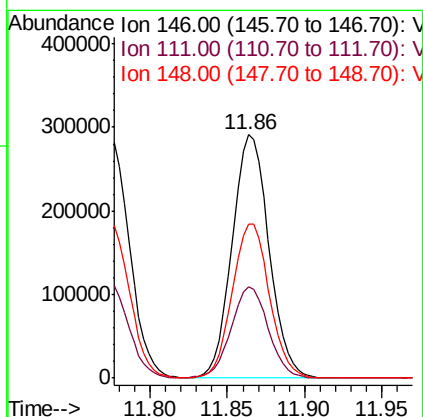
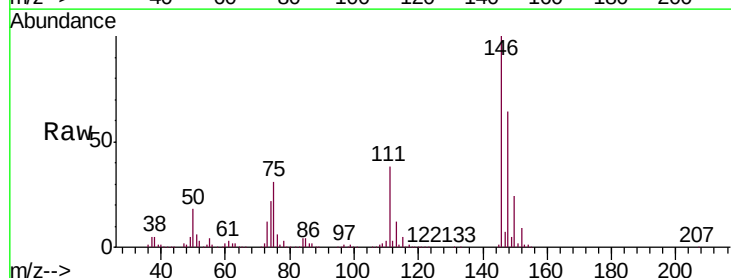
RT: 11.86 min Scan# 3273

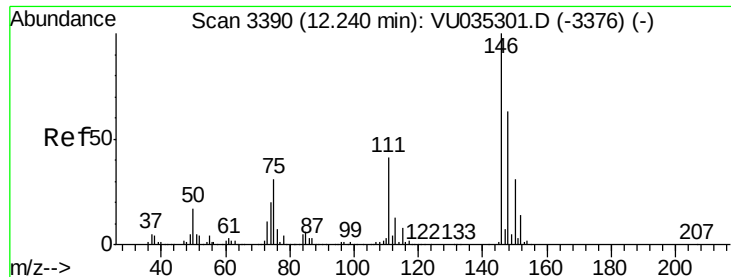
Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Tgt Ion:	146	Resp:	481299
Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.2	48.8
148	63.5	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 47.867 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VICV33

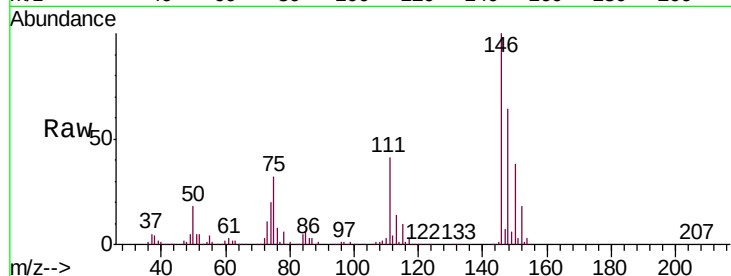
Tgt Ion:146 Resp: 479534

Ion Ratio Lower Upper

146 100

111 40.6 32.8 49.2

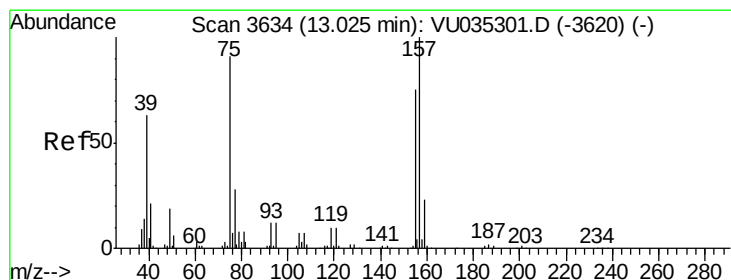
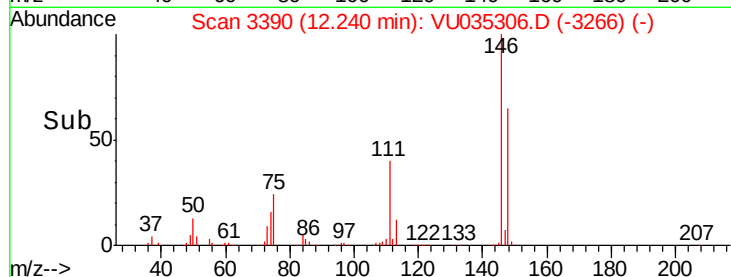
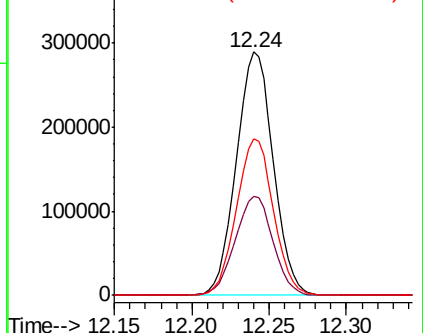
148 64.4 50.2 75.4



Abundance Ion 146.00 (145.70 to 146.70): 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: 46.193 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

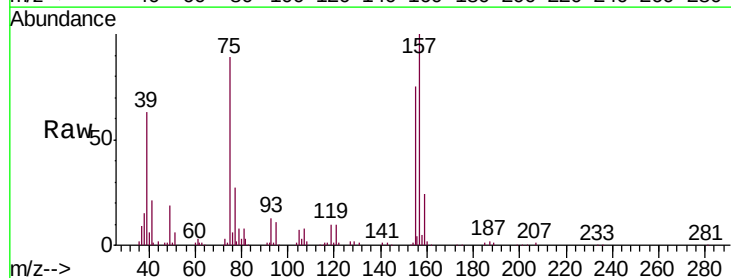
Tgt Ion: 75 Resp: 73146

Ion Ratio Lower Upper

75 100

155 84.5 66.2 99.2

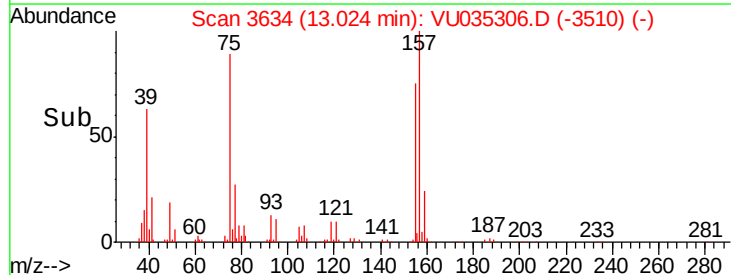
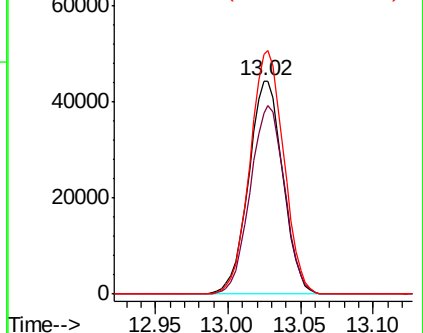
157 112.1 88.2 132.2

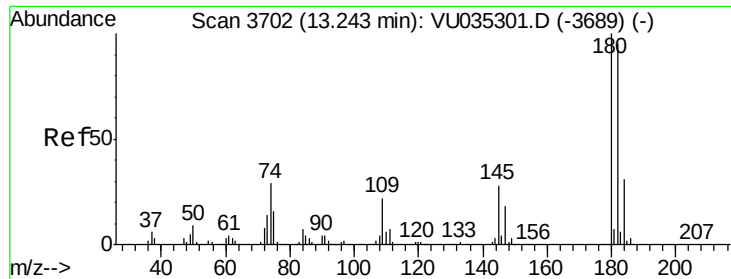


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

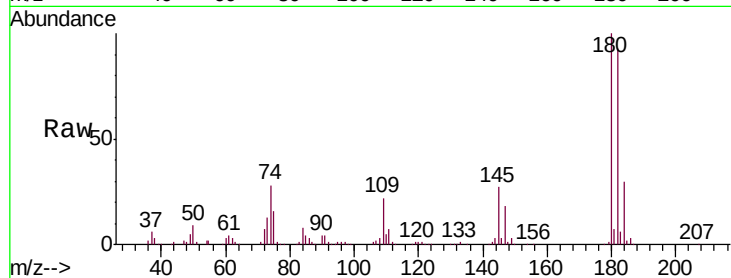




#67
 1,3,5-Trichlorobenzene
 Concen: 51.984 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

Instrument :
 MSVOA_U
 ClientSampled :
 VICV33

Tgt Ion:	180	Resp:	291944
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.5	114.7
184	30.2	24.5	36.7
145	27.4	22.2	33.4



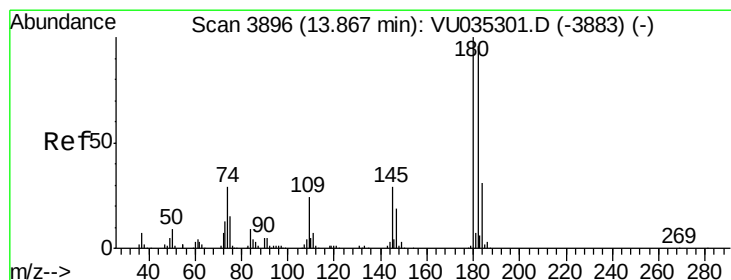
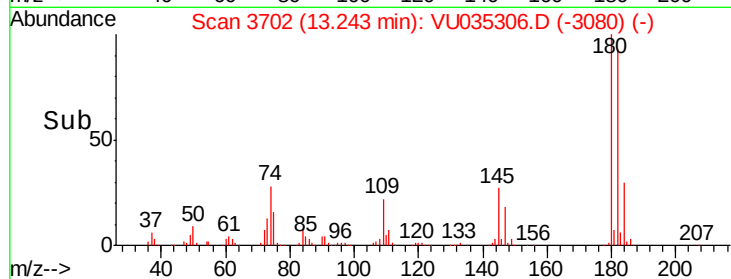
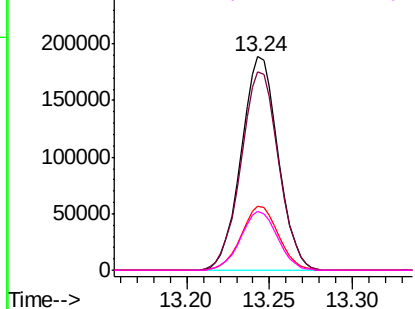
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

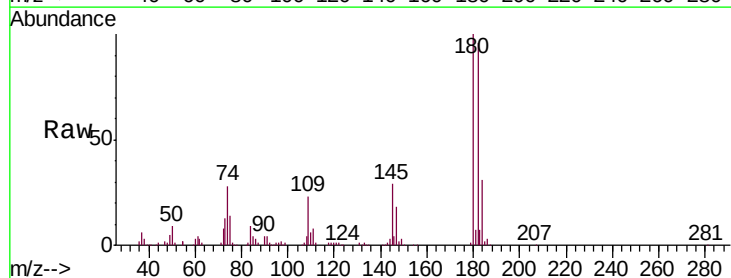
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.635 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035306.D
 Acq: 19 Oct 2019 09:32

Tgt Ion:	180	Resp:	183726
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
145	28.4	22.8	34.2

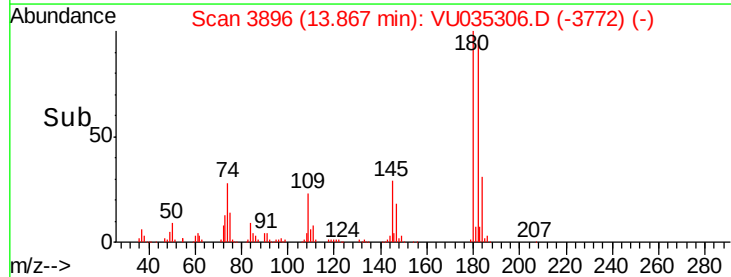
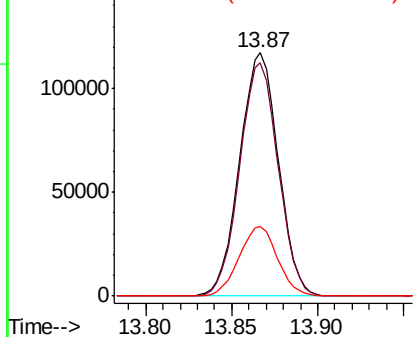


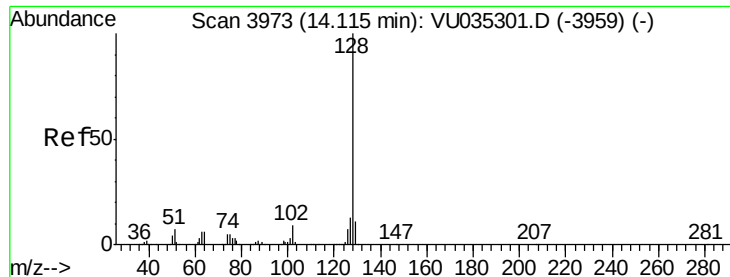
Abundance

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





#69

Naphthalene

Concen: 44.937 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

Instrument :

MSVOA_U

ClientSampleId :

VICV33

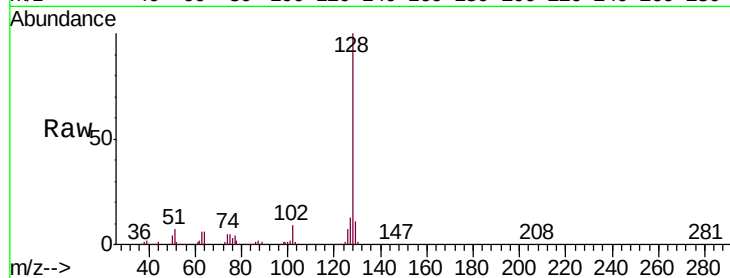
Tgt Ion:128 Resp: 457867

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

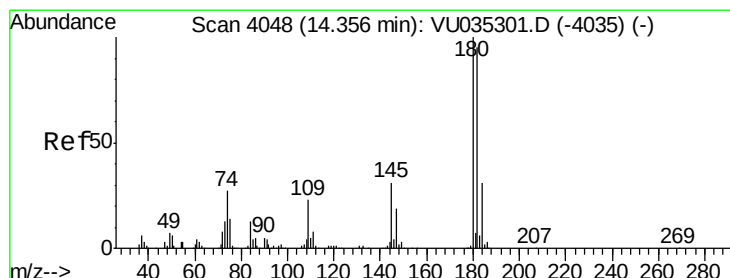
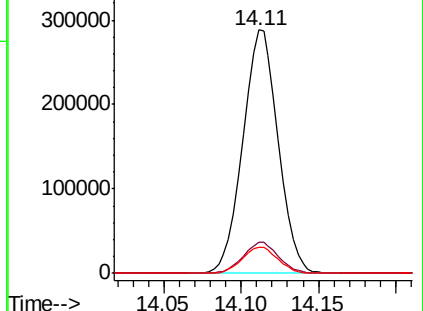
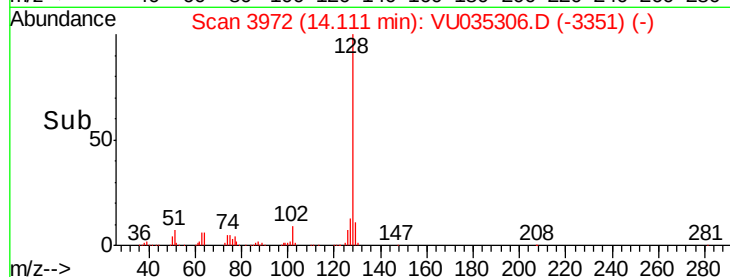
129 10.9 8.6 13.0



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: 48.831 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035306.D

Acq: 19 Oct 2019 09:32

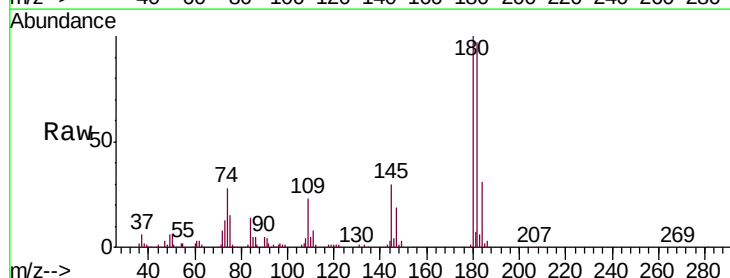
Tgt Ion:180 Resp: 186981

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.2

145 30.2 24.2 36.4



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

