

Data File : VU035453.D
Acq On : 24 Oct 2019 11:50
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Oct 25 07:04:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 17:45:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	236090	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	235578	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	104808	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	75449	5.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.80%
7) Chloroethane-d5	1.93	69	71910	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	2.60	63	147180	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.60%
20) 2-Butanone-d5	4.70	46	217250	52.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.02%
24) Chloroform-d	5.11	84	151238	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.00%
26) 1,2-Dichloroethane-d4	5.75	65	77978	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.77	84	273513	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.73	67	91681	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.93	98	247997	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.21	79	34932	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.68	63	155349	42.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.86%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	82169	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	86501	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	108641	5.407 ug/L	99
3) Chloromethane	1.54	50	112361	5.637 ug/L	98
5) Vinyl chloride	1.62	62	116763	5.704 ug/L	98
6) Bromomethane	1.87	94	72810	6.024 ug/L	95
8) Chloroethane	1.95	64	72724	5.510 ug/L	99
9) Trichlorofluoromethane	2.16	101	149285	5.462 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	85709	5.443 ug/L	94
12) 1,1-Dichloroethene	2.61	96	77446	5.106 ug/L	90
13) Acetone	2.67	43	163496	56.816 ug/L	97
14) Carbon disulfide	2.82	76	244728	5.103 ug/L	99
15) Methyl Acetate	3.00	43	36381	5.074 ug/L	98
16) Methylene chloride	3.08	84	102025	5.591 ug/L	99
17) Methyl tert-butyl Ether	3.43	73	193777	4.747 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	83853	5.123 ug/L	95
19) 1,1-Dichloroethane	3.92	63	171090	5.780 ug/L	99
21) 2-Butanone	4.78	43	233604	49.807 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	92010	5.086 ug/L	95

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Oct 25 07:04:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 17:45:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	41267	5.299	ug/L	90
25) Chloroform	5.14	83	177619	5.469	ug/L	98
27) 1,2-Dichloroethane	5.84	62	108197	5.432	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	142929	5.179	ug/L	98
30) Cyclohexane	5.43	56	130327	4.410	ug/L	98
31) Carbon tetrachloride	5.56	117	125943	5.069	ug/L	98
33) Benzene	5.82	78	365208	5.269	ug/L	100
34) Trichloroethene	6.58	95	90967	4.881	ug/L	92
35) Methylcyclohexane	6.80	83	133375	4.282	ug/L	96
37) 1,2-Dichloropropane	6.83	63	96743	5.498	ug/L	100
38) Bromodichloromethane	7.14	83	123998	5.231	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	128935	4.378	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	565043	47.568	ug/L	97
42) Toluene	8.00	91	388666	5.080	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	108498	4.508	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	66807	5.114	ug/L	96
47) Tetrachloroethene	8.58	164	72544	4.673	ug/L	99
48) 2-Hexanone	8.73	43	391123	46.950	ug/L	97
49) Dibromochloromethane	8.84	129	81596	4.927	ug/L	100
50) 1,2-Dibromoethane	8.96	107	64095	4.908	ug/L	100
51) Chlorobenzene	9.48	112	241125	4.881	ug/L	100
52) Ethylbenzene	9.60	91	403073	4.633	ug/L	98
53) m,p-Xylene	9.72	106	147454	4.488	ug/L	98
54) o-Xylene	10.13	106	143723	4.482	ug/L	96
55) Styrene	10.14	104	245542	4.703	ug/L	99
56) Isopropylbenzene	10.51	105	379393	4.399	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	90149	5.362	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	63095	5.147	ug/L	99
61) Bromoform	10.32	173	45597	4.697	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	172574	4.825	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	166328	4.730	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	162380	4.833	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	10683	4.501	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	91770	4.141	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	53426	3.621	ug/L	99
69) Naphthalene	14.11	128	63778	3.149	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	55349	4.012	ug/L	99

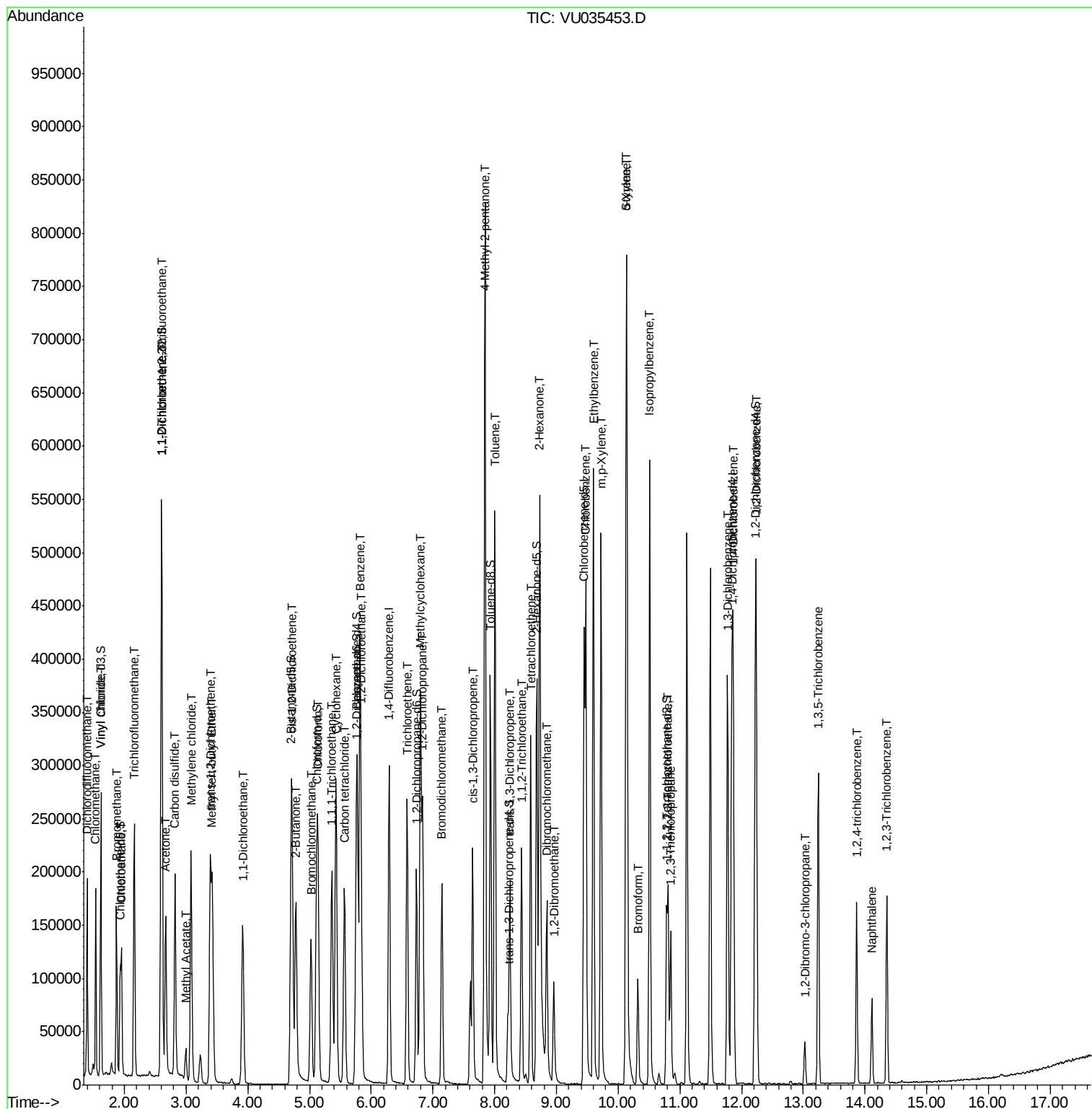
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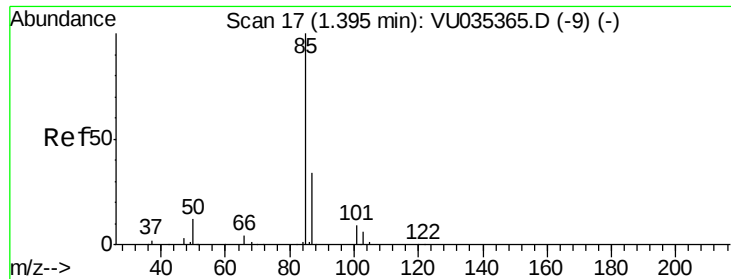
Data File : VU035453.D

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Acq On       : 24 Oct 2019   11:50
Operator     : JC/SP
Sample       : VSTDCCC005
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Oct 25 07:04:08 2019
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#2

Dichlorodifluoromethane

Concen: 5.407 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

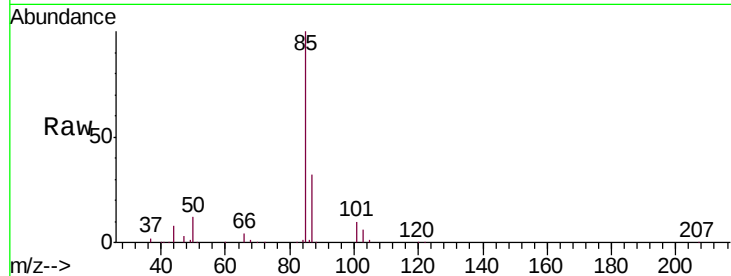
VSTD00516

Tgt Ion: 85 Resp: 108641

Ion Ratio Lower Upper

85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035365.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035365.D (-9) (-)

120000

100000

80000

60000

40000

20000

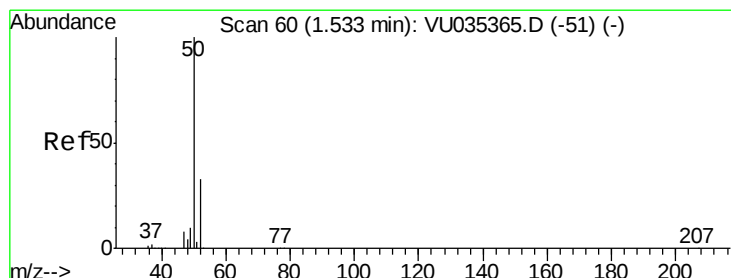
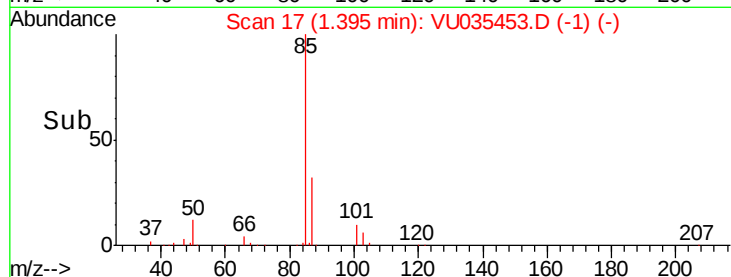
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 5.637 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035453.D

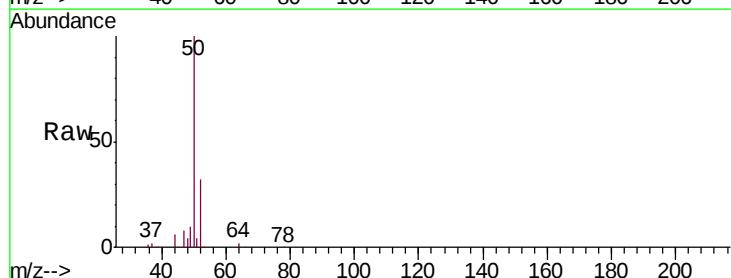
Acq: 24 Oct 2019 11:50

Tgt Ion: 50 Resp: 112361

Ion Ratio Lower Upper

50 100

52 32.4 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035365.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035365.D (-51) (-)

120000

100000

80000

60000

40000

20000

0

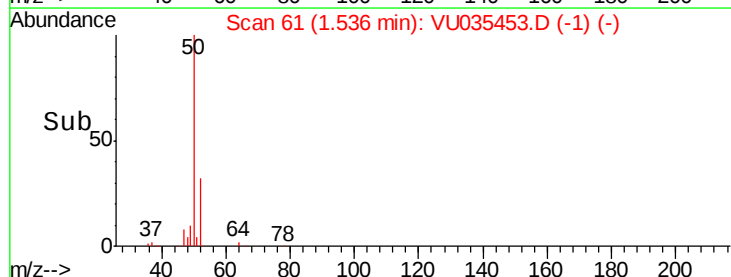
1.45

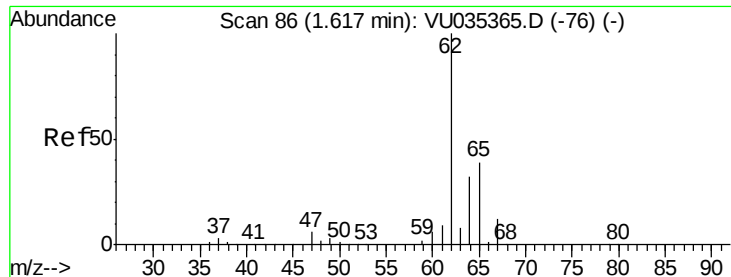
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 5.704 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

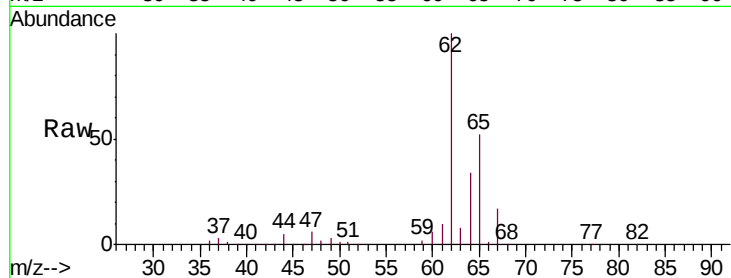
VSTD00516

Tgt Ion: 62 Resp: 116763

Ion Ratio Lower Upper

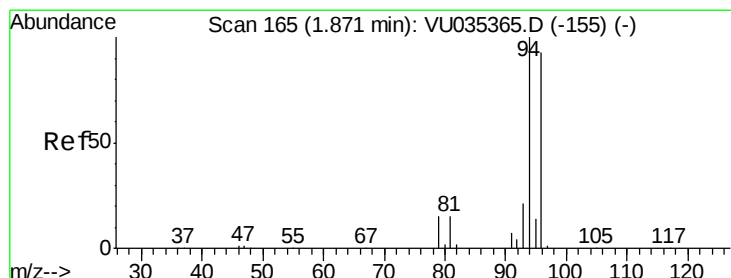
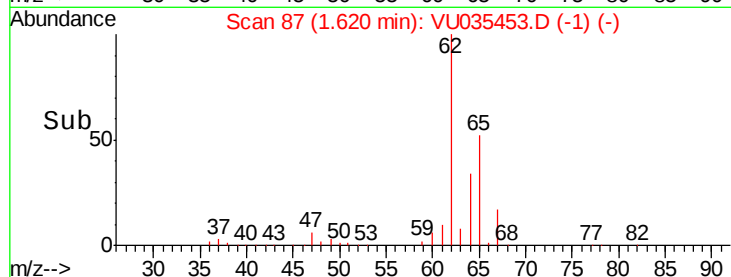
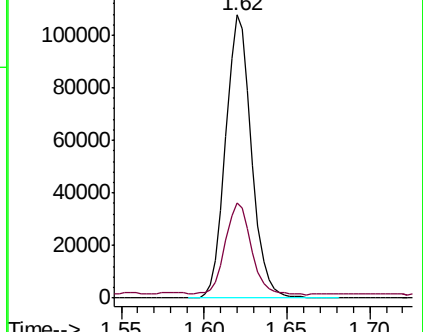
62 100

64 33.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035453.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035453.D (-1) (-)



#6

Bromomethane

Concen: 6.024 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035453.D

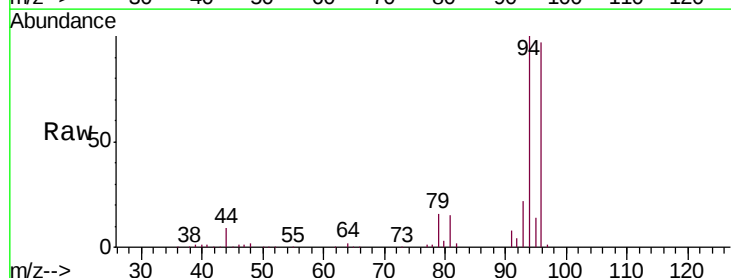
Acq: 24 Oct 2019 11:50

Tgt Ion: 94 Resp: 72810

Ion Ratio Lower Upper

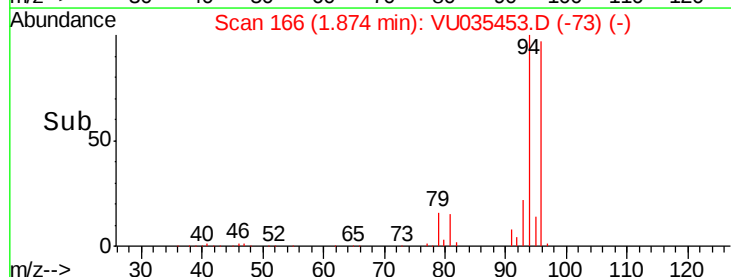
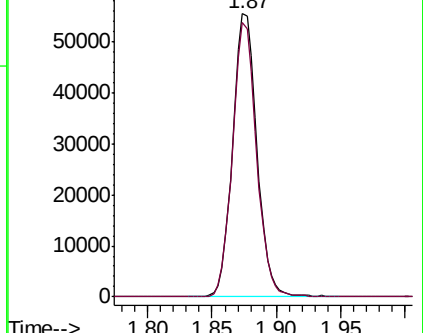
94 100

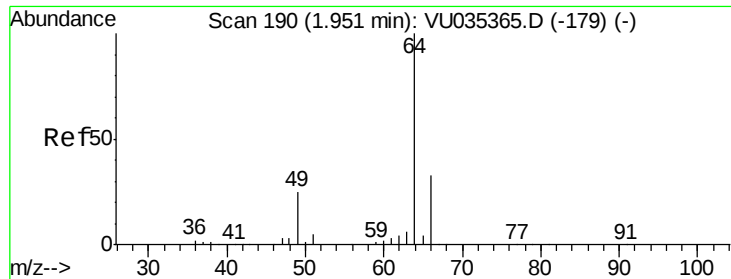
96 97.0 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035453.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035453.D (-73) (-)





#8

Chloroethane

Concen: 5.510 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

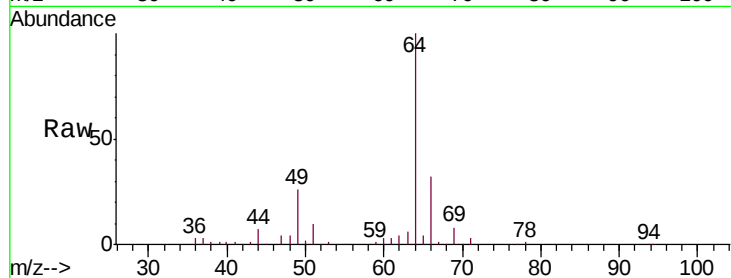
VSTD00516

Tgt Ion: 64 Resp: 72724

Ion Ratio Lower Upper

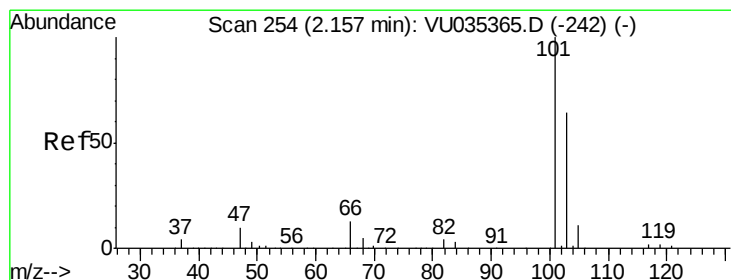
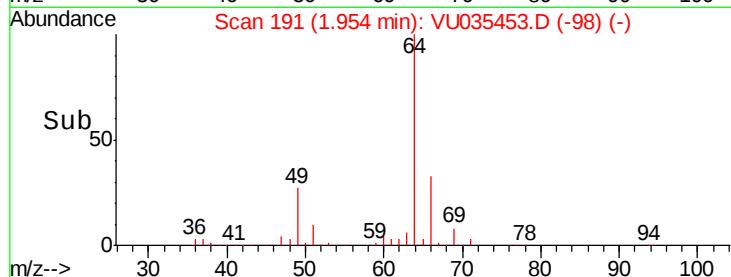
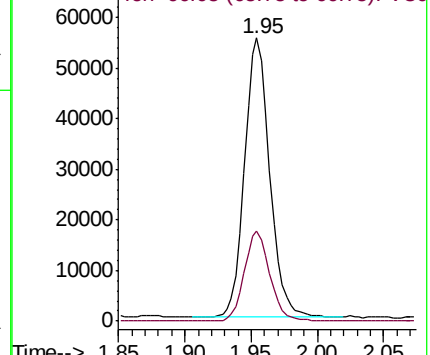
64 100

66 31.7 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU035365.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU035365.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 5.462 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035453.D

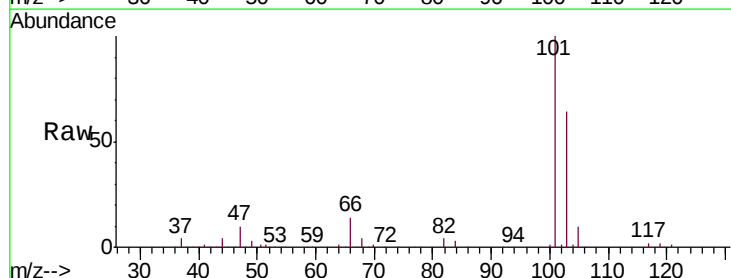
Acq: 24 Oct 2019 11:50

Tgt Ion: 101 Resp: 149285

Ion Ratio Lower Upper

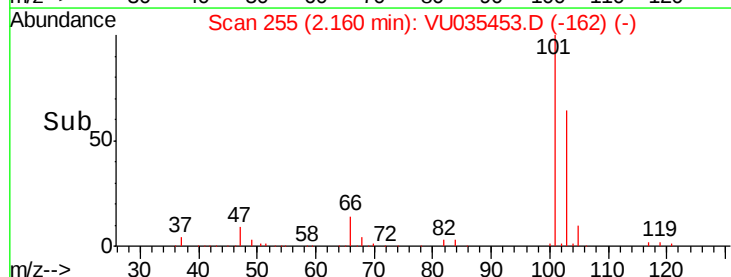
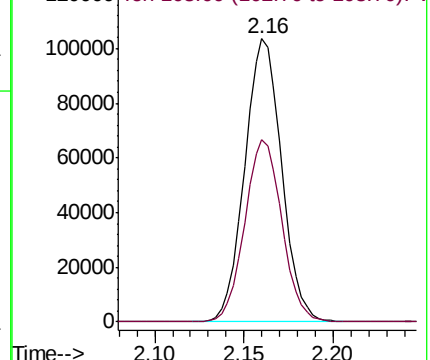
101 100

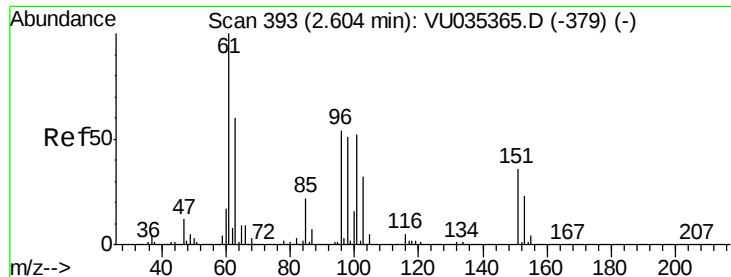
103 64.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU035365.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU035365.D (-242) (-)





#10

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

Concen: 5.443 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

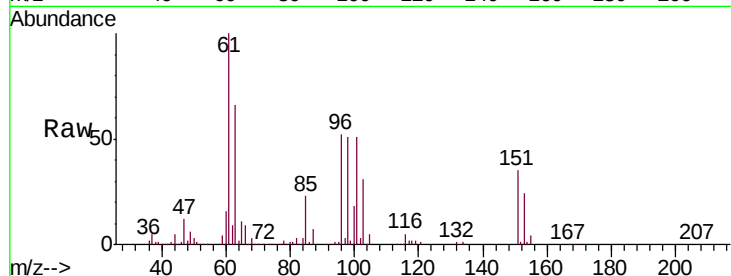
Tgt Ion: 101 Resp: 85709

Ion Ratio Lower Upper

101 100

85 45.2 33.9 50.9

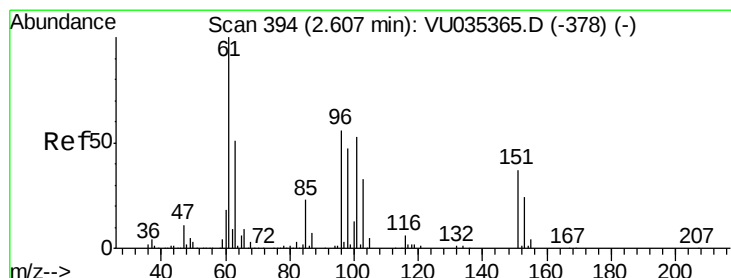
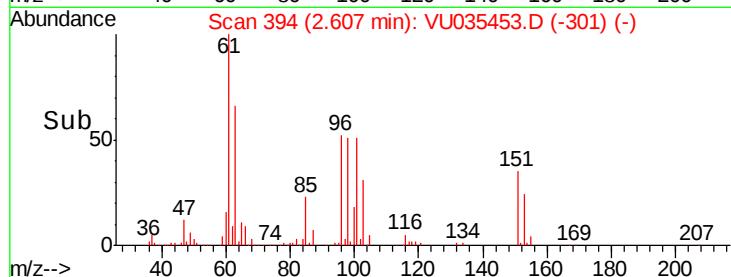
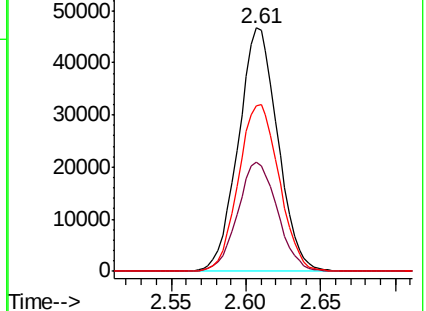
151 70.5 61.0 91.4



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: 5.106 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

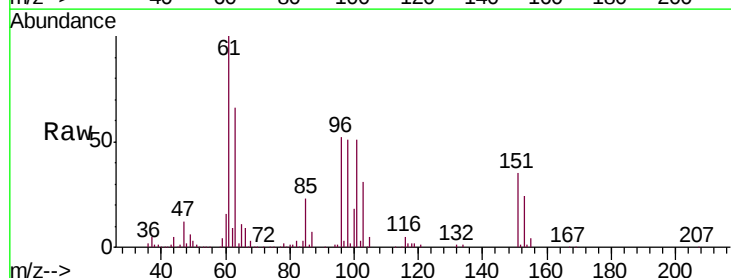
Tgt Ion: 96 Resp: 77446

Ion Ratio Lower Upper

96 100

61 193.6 120.6 224.0

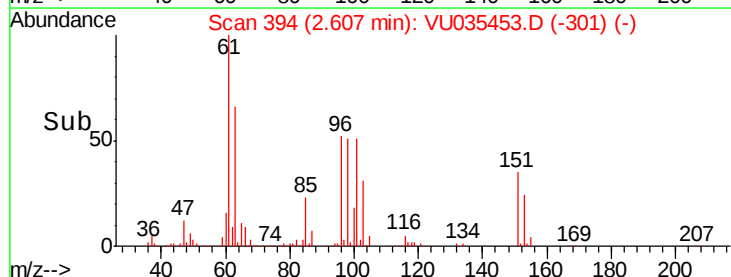
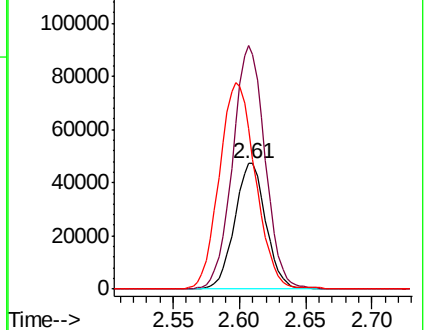
63 127.2 86.8 161.2

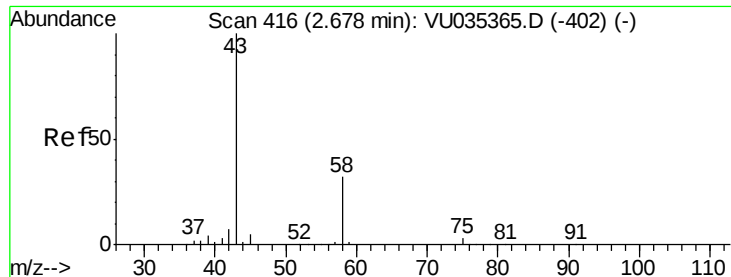


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.816 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampled :

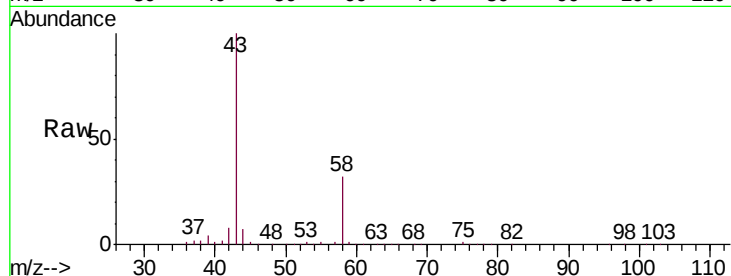
VSTD00516

Tgt Ion: 43 Resp: 163496

Ion Ratio Lower Upper

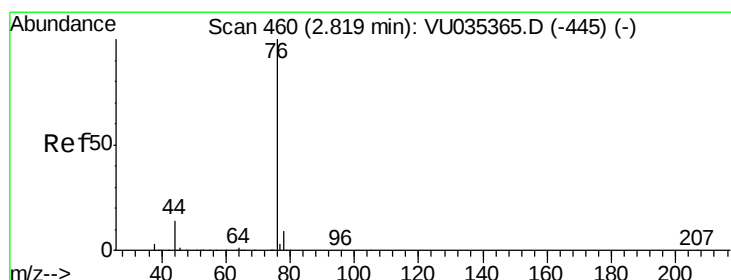
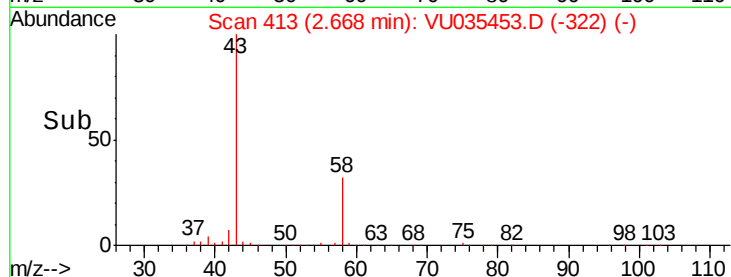
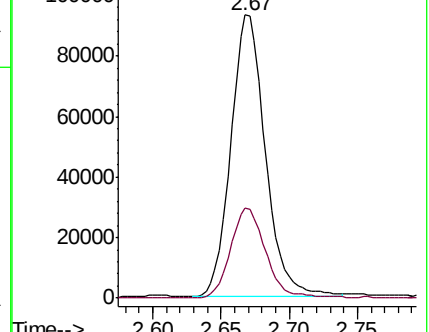
43 100

58 32.3 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035365.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035365.D (-402) (-)



#14

Carbon disulfide

Concen: 5.103 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035453.D

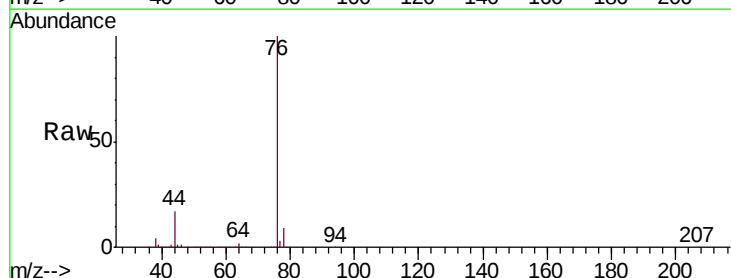
Acq: 24 Oct 2019 11:50

Tgt Ion: 76 Resp: 244728

Ion Ratio Lower Upper

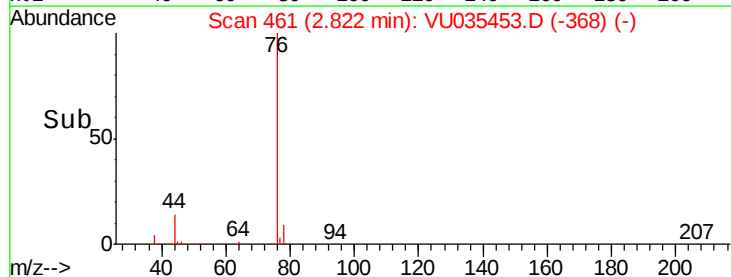
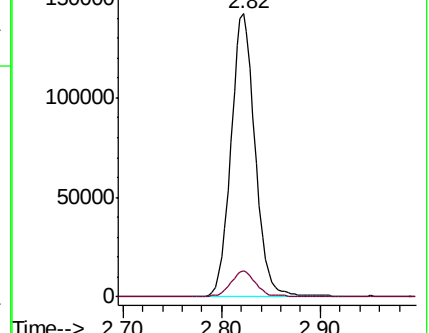
76 100

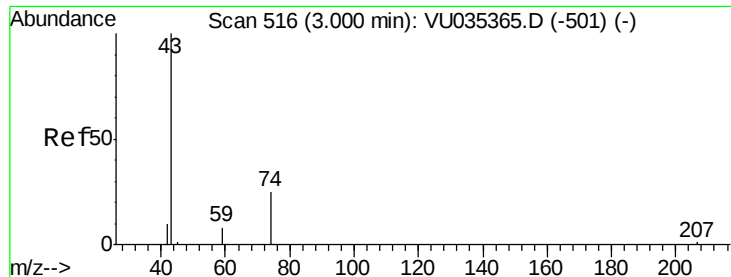
78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035365.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035365.D (-445) (-)





#15

Methyl Acetate

Concen: 5.074 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

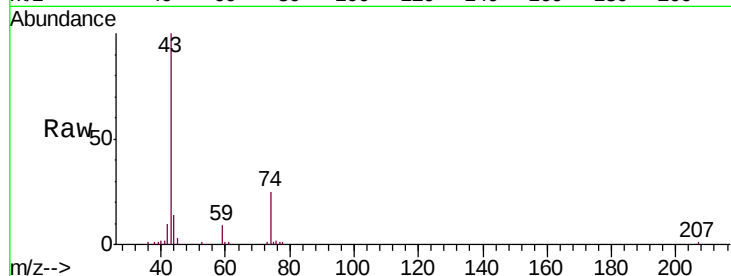
VSTD00516

Tgt Ion: 43 Resp: 36381

Ion Ratio Lower Upper

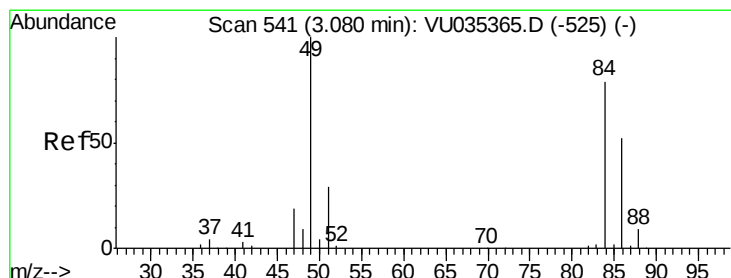
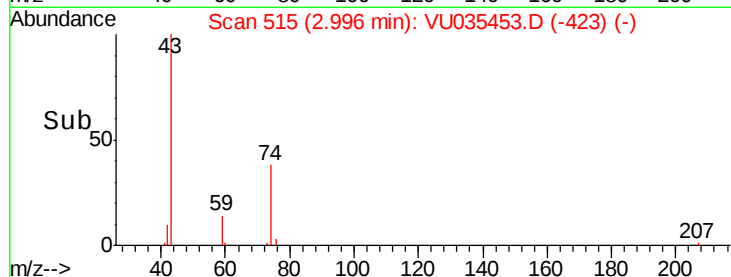
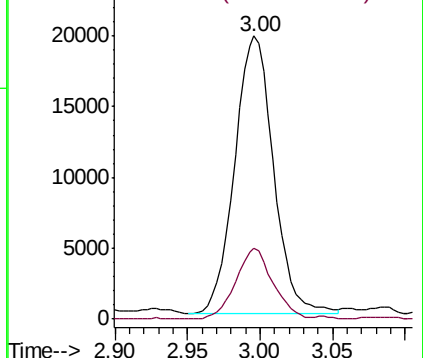
43 100

74 24.5 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VU035365.D (-501) (-)

Ion 74.05 (73.75 to 74.75): VU035365.D (-501) (-)



#16

Methylene chloride

Concen: 5.591 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

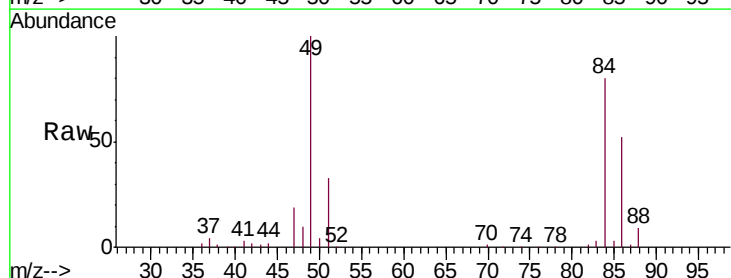
Tgt Ion: 84 Resp: 102025

Ion Ratio Lower Upper

84 100

86 64.8 45.4 84.2

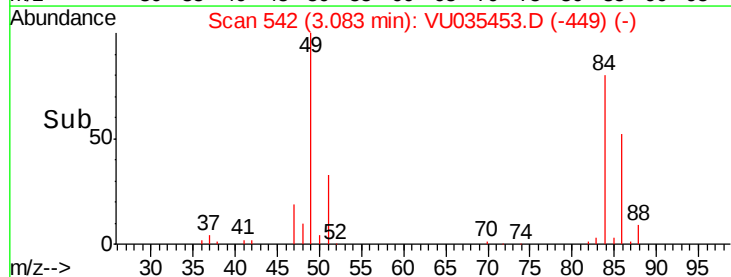
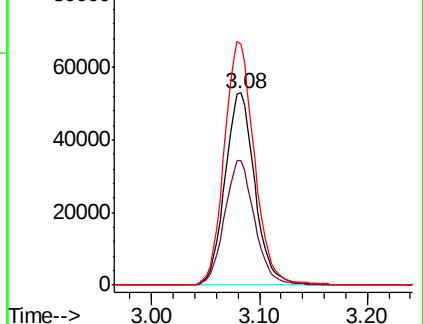
49 125.4 86.8 161.2

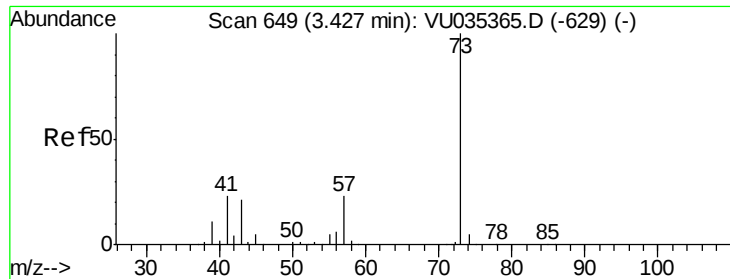


Abundance Ion 84.05 (83.75 to 84.75): VU035365.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU035365.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU035365.D (-525) (-)

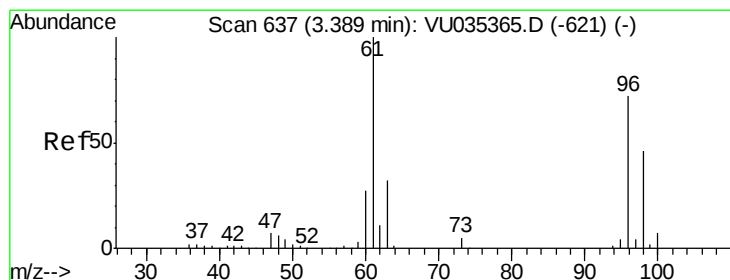
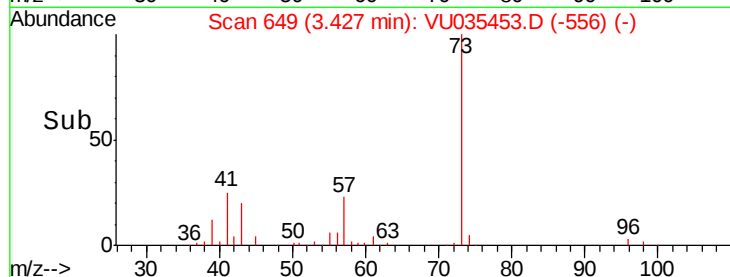
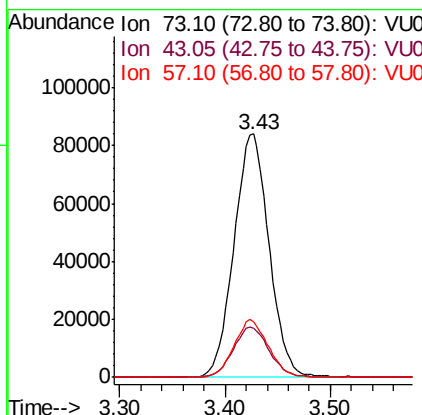
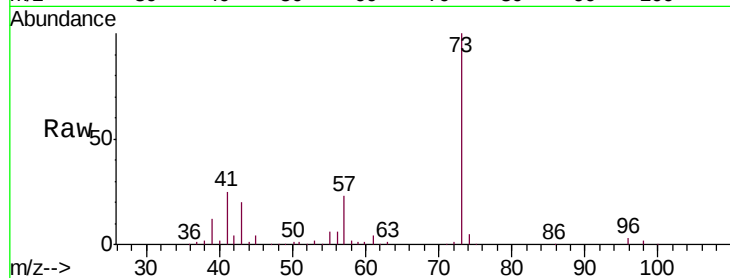




#17
Methyl tert-butyl Ether
Concen: 4.747 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035453.D
Acq: 24 Oct 2019 11:50

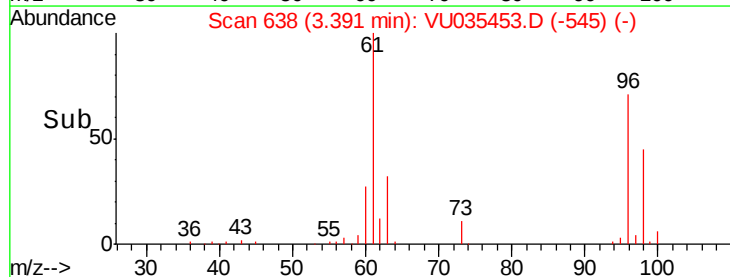
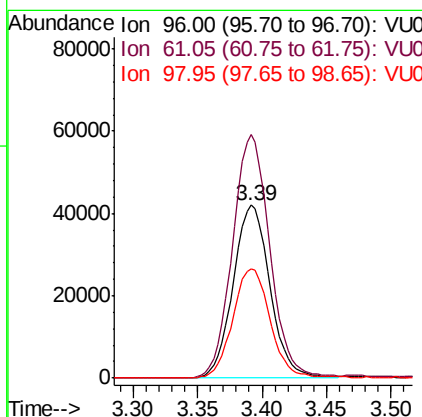
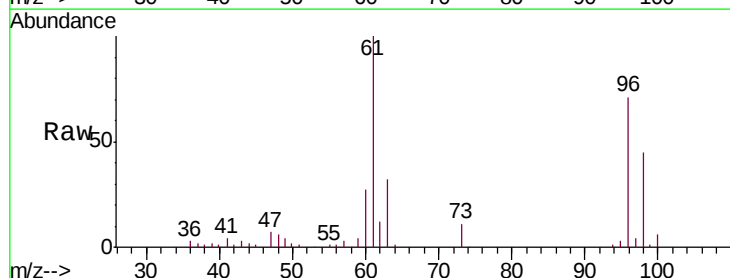
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

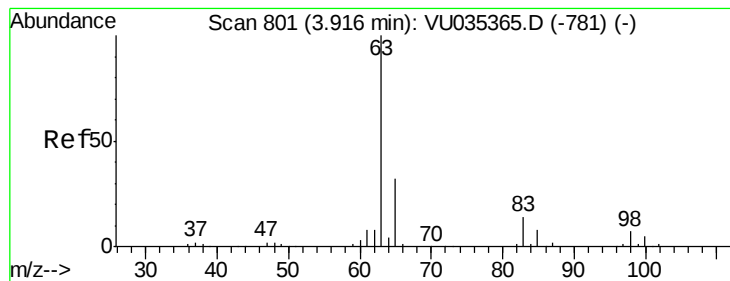
Tgt Ion: 73 Resp: 193777
Ion Ratio Lower Upper
73 100
43 20.8 16.0 24.0
57 23.1 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 5.123 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035453.D
Acq: 24 Oct 2019 11:50

Tgt Ion: 96 Resp: 83853
Ion Ratio Lower Upper
96 100
61 140.7 93.0 172.6
98 63.3 43.7 81.1





#19

1,1-Dichloroethane

Concen: 5.780 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

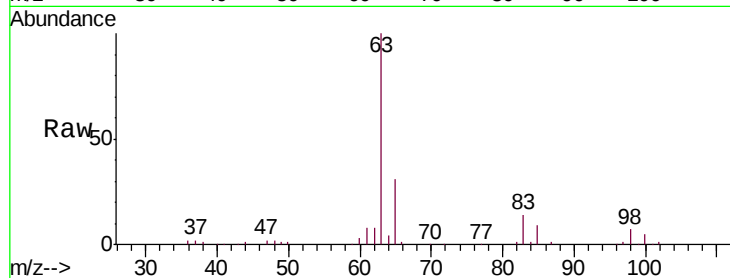
Tgt Ion: 63 Resp: 171090

Ion Ratio Lower Upper

63 100

65 31.3 22.4 41.6

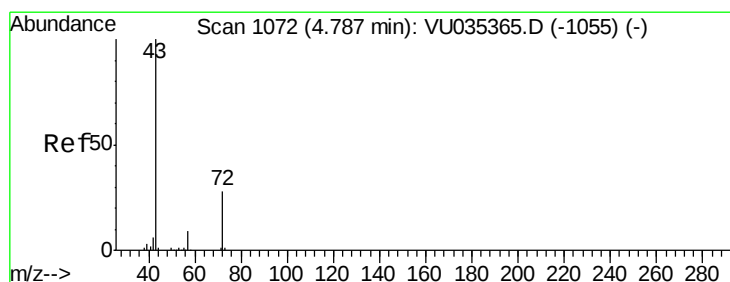
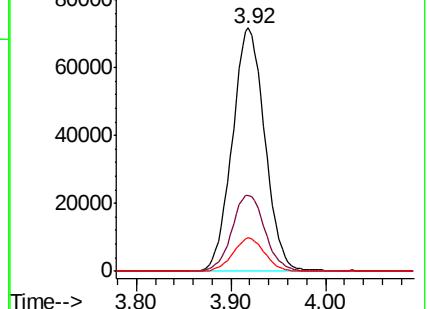
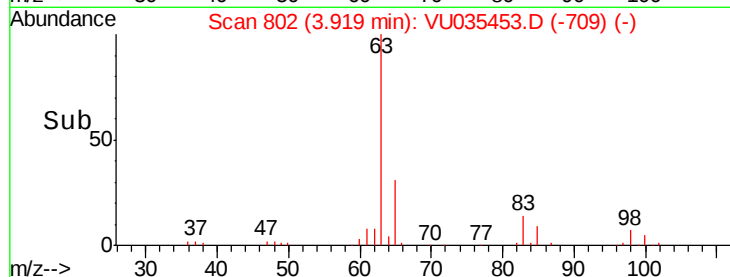
83 13.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035365.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU035365.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU035365.D (-781) (-)



#21

2-Butanone

Concen: 49.807 ug/L

RT: 4.78 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VU035453.D

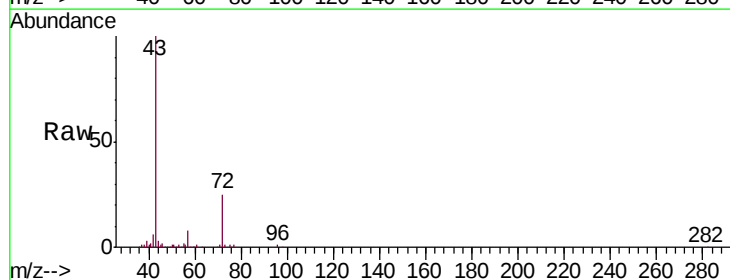
Acq: 24 Oct 2019 11:50

Tgt Ion: 43 Resp: 233604

Ion Ratio Lower Upper

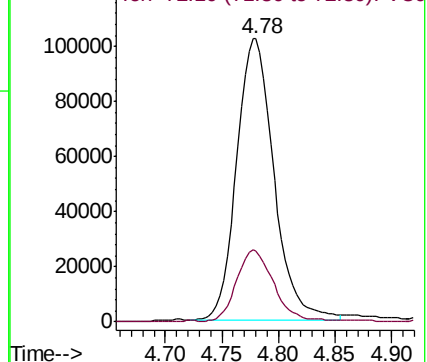
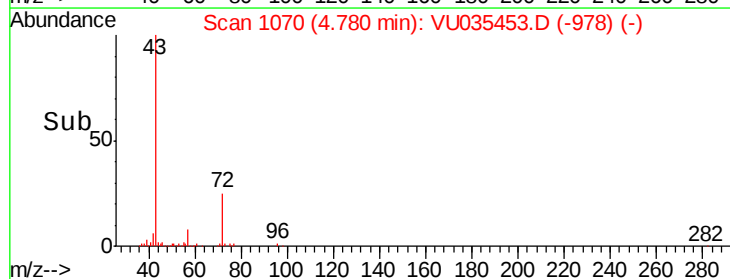
43 100

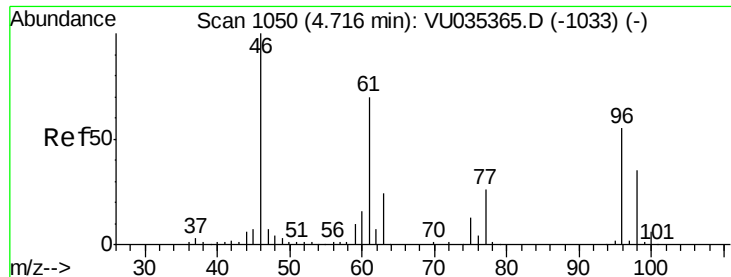
72 25.1 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU035365.D (-1055) (-)

Ion 72.10 (71.80 to 72.80): VU035365.D (-1055) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.086 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

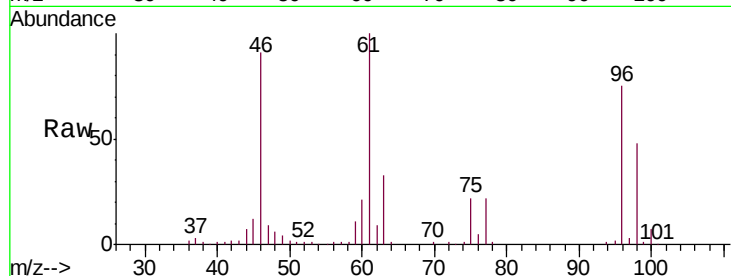
Tgt Ion: 96 Resp: 92010

Ion Ratio Lower Upper

96 100

61 133.5 89.7 166.5

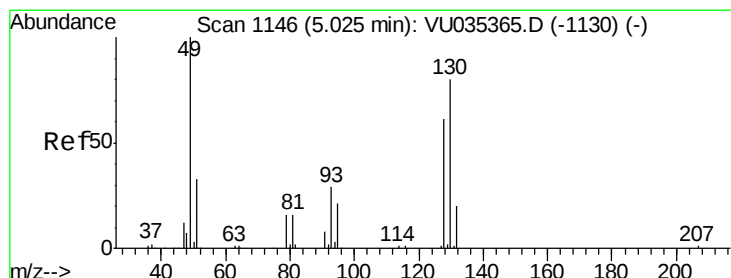
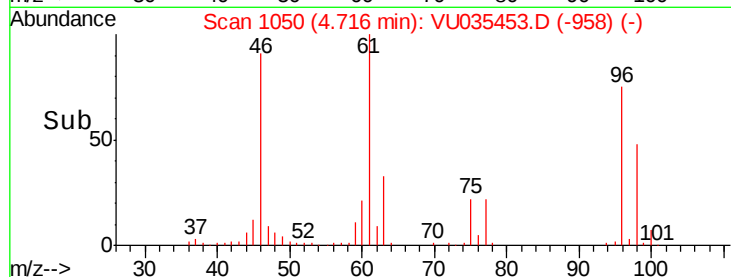
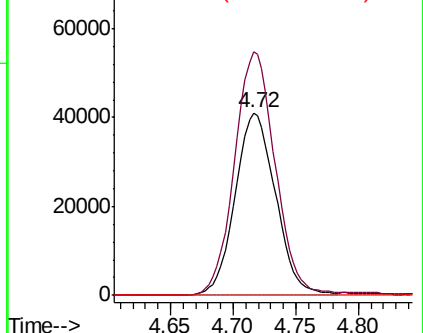
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035453.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035453.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035453.D (-958) (-)



#23

Bromochloromethane

Concen: 5.299 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Tgt Ion: 128 Resp: 41267

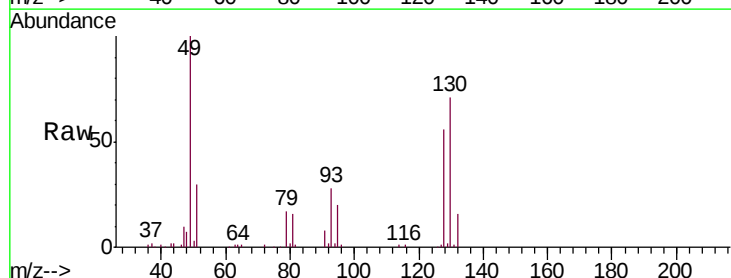
Ion Ratio Lower Upper

128 100

49 179.8 109.3 203.1

130 128.2 88.7 164.7

51 54.1 39.2 58.8

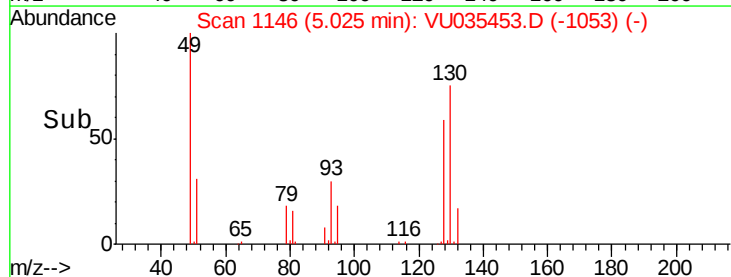
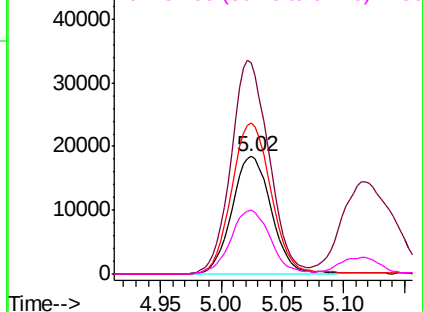


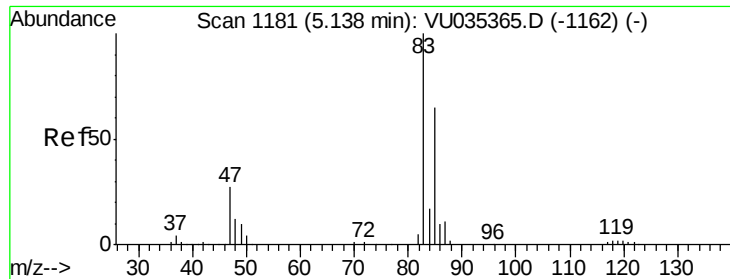
Abundance Ion 127.90 (127.60 to 128.60): VU035453.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU035453.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU035453.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU035453.D (-1053) (-)

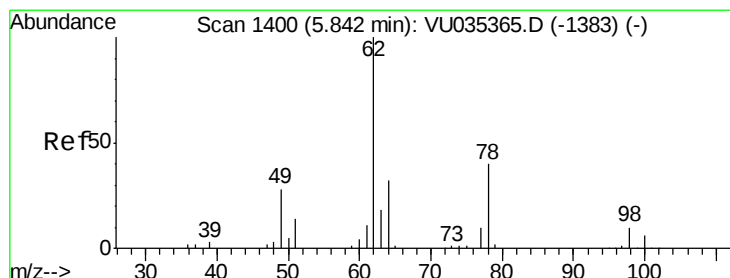
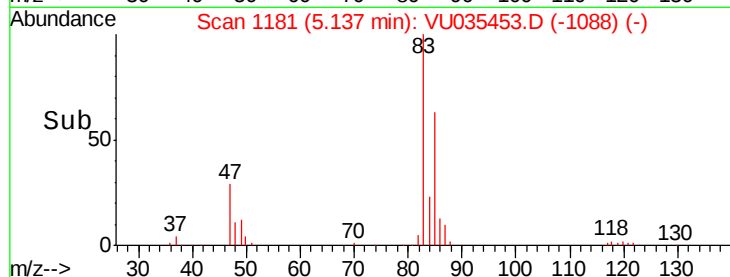
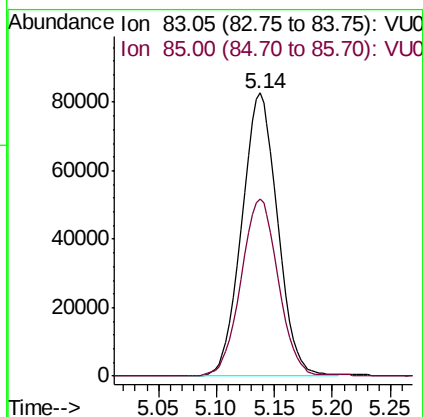
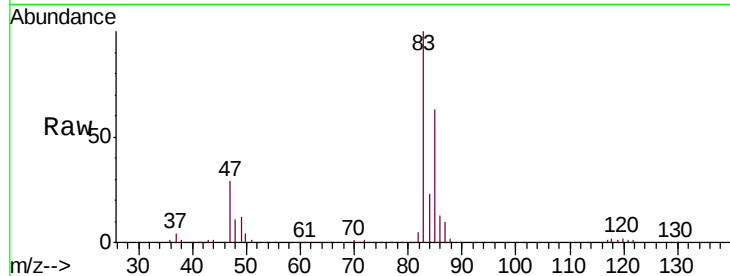




#25
Chloroform
Concen: 5.469 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035453.D
Acq: 24 Oct 2019 11:50

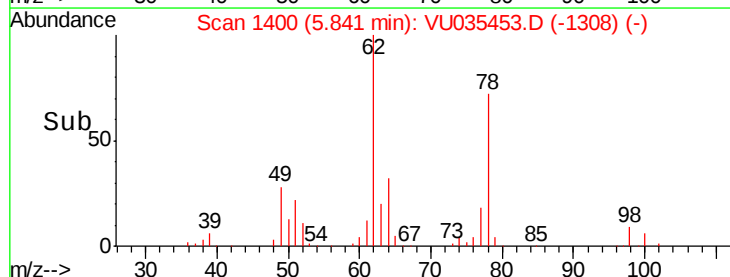
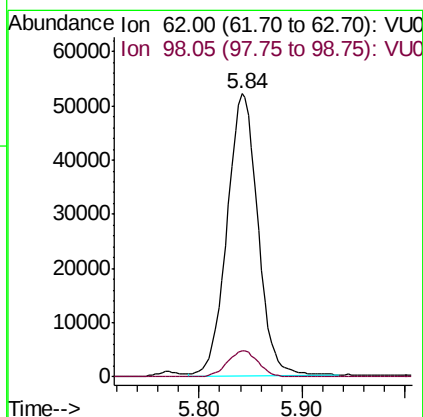
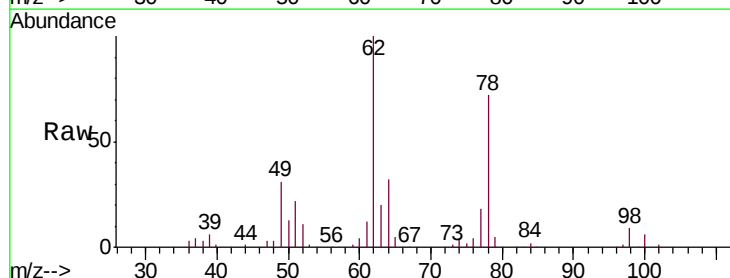
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

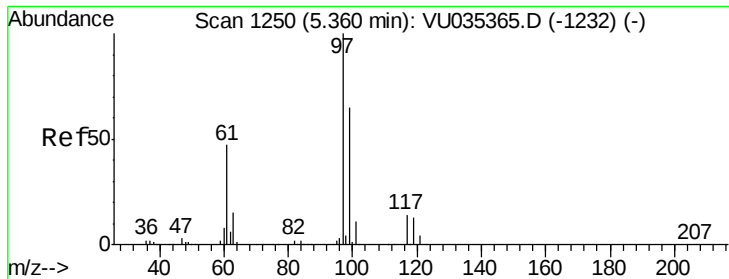
Tgt Ion: 83 Resp: 177619
Ion Ratio Lower Upper
83 100
85 62.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.432 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035453.D
Acq: 24 Oct 2019 11:50

Tgt Ion: 62 Resp: 108197
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6

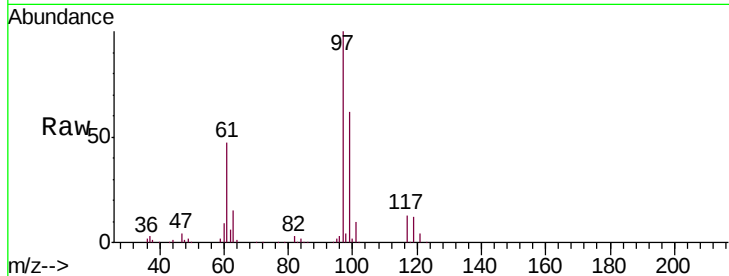




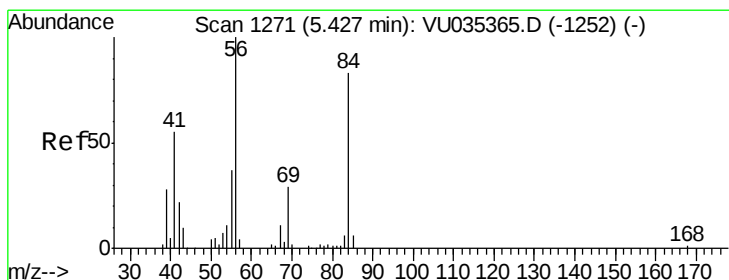
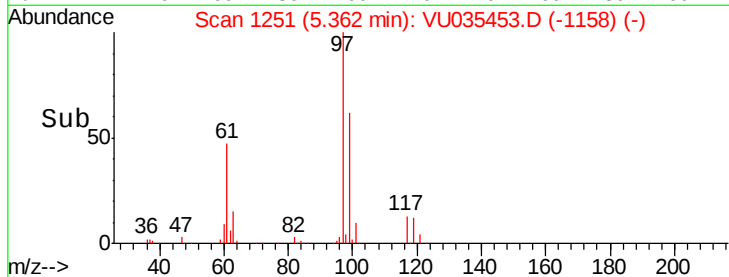
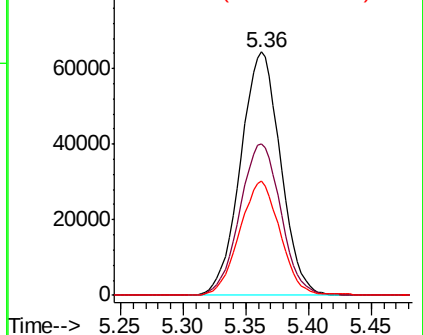
#29
 1,1,1-Trichloroethane
 Concen: 5.179 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035453.D
 Acq: 24 Oct 2019 11:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 97 Resp: 142929
 Ion Ratio Lower Upper
 97 100
 99 63.9 52.6 79.0
 61 47.2 37.0 55.4

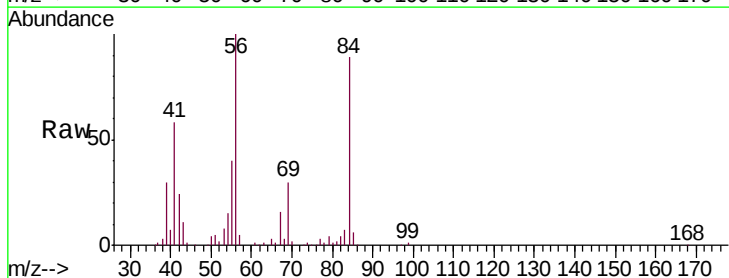


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

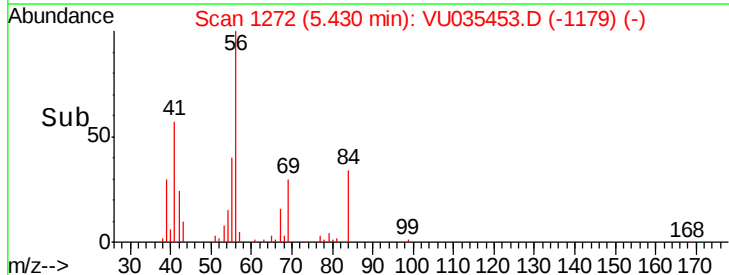
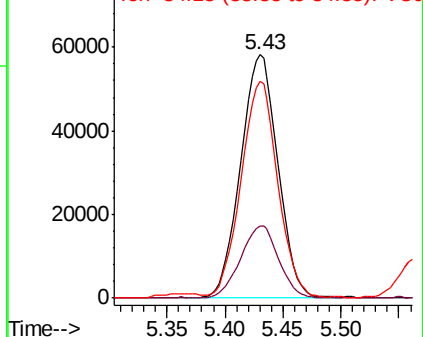


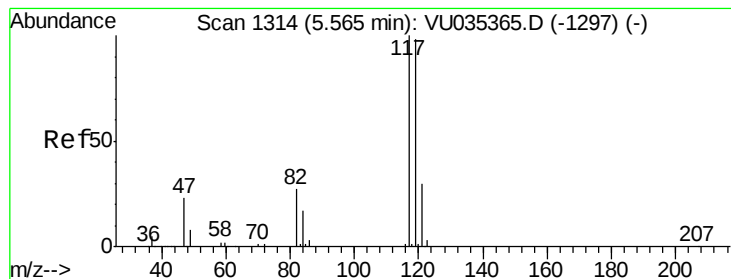
#30
 Cyclohexane
 Concen: 4.410 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035453.D
 Acq: 24 Oct 2019 11:50

Tgt Ion: 56 Resp: 130327
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.6 36.8
 84 87.0 71.5 107.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.069 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

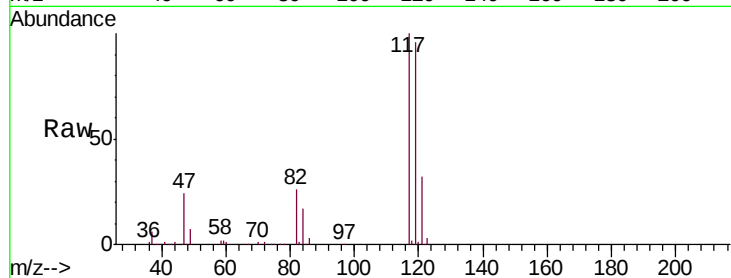
VSTD00516

Tgt Ion:117 Resp: 125943

Ion Ratio Lower Upper

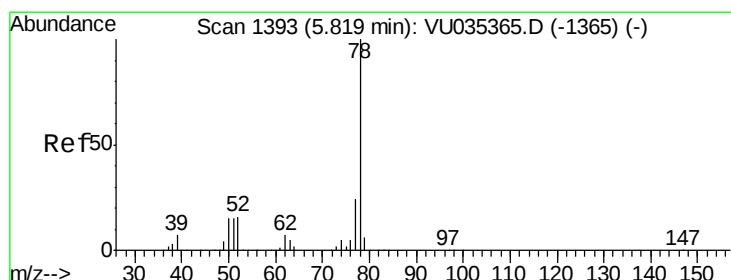
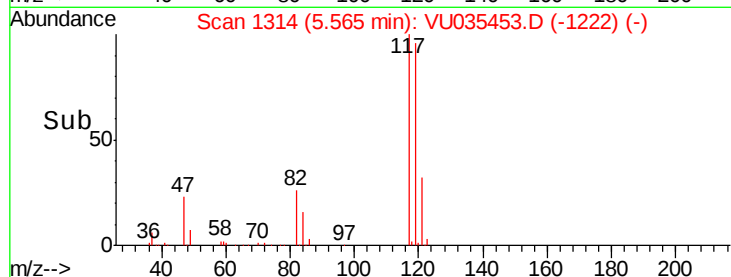
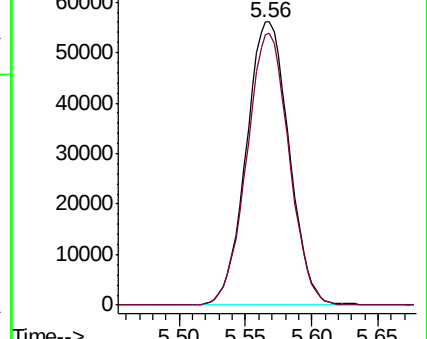
117 100

119 94.7 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.269 ug/L

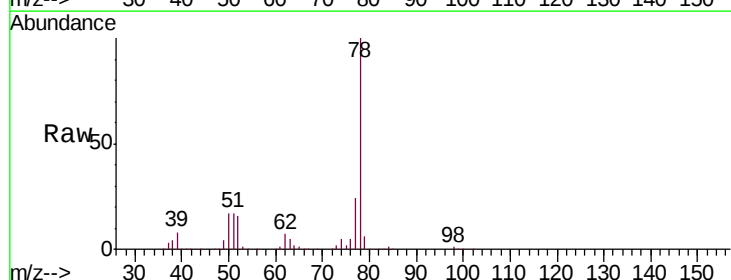
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

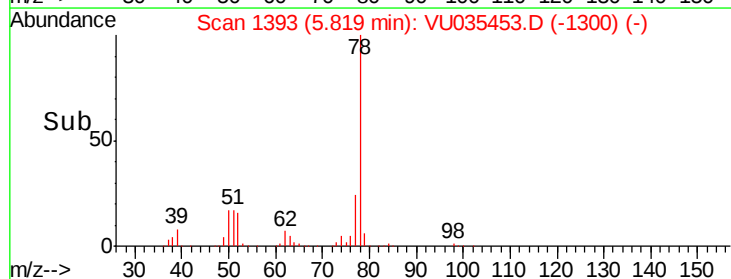
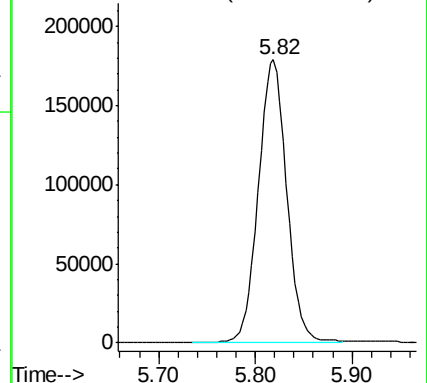
Lab File: VU035453.D

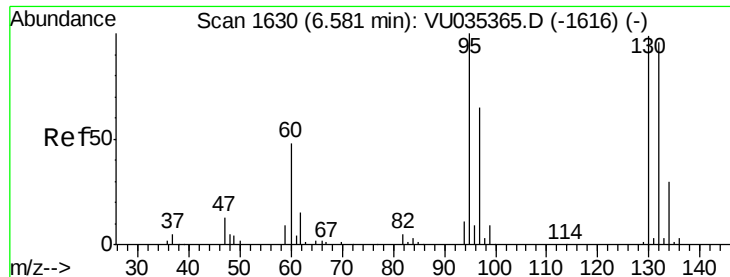
Acq: 24 Oct 2019 11:50

Tgt Ion: 78 Resp: 365208



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.881 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tgt Ion: 95 Resp: 90967

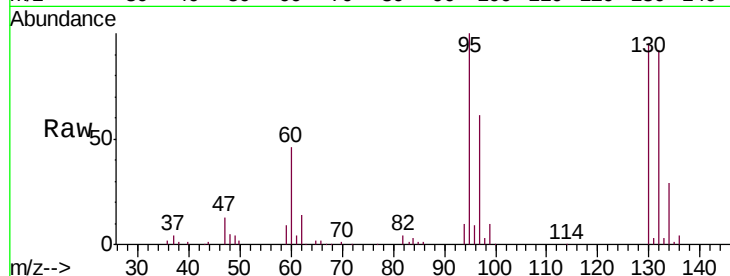
Ion Ratio Lower Upper

95 100

97 61.5 46.6 86.6

132 91.8 68.7 127.7

130 95.4 73.9 137.3

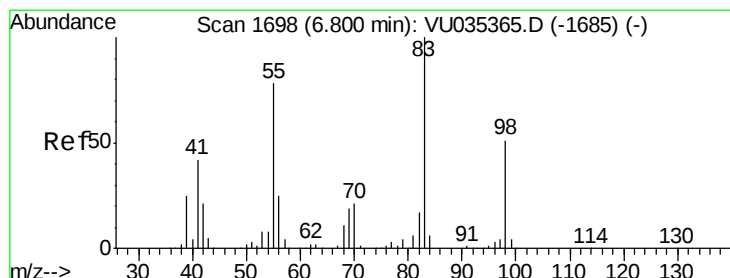
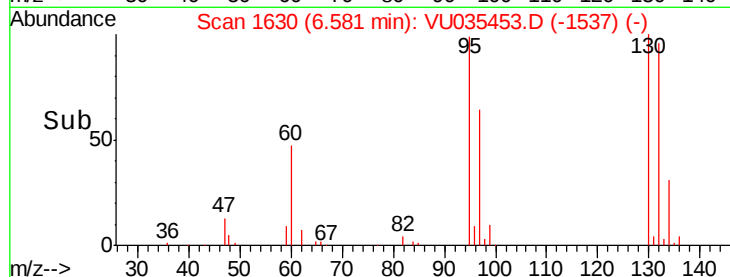
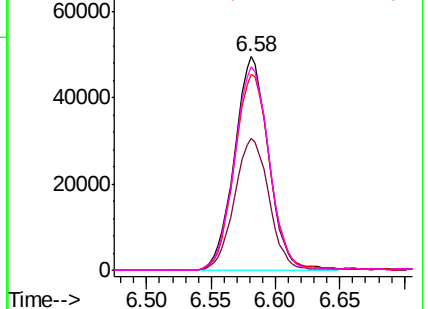


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.282 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

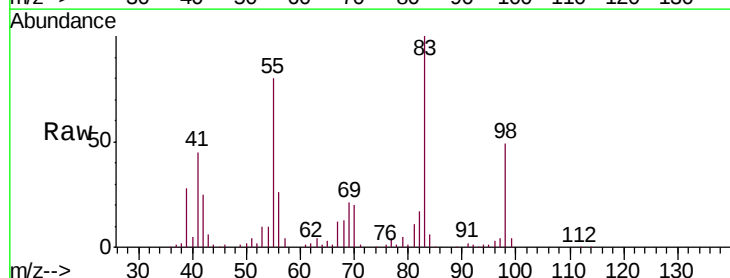
Tgt Ion: 83 Resp: 133375

Ion Ratio Lower Upper

83 100

55 80.5 60.4 90.6

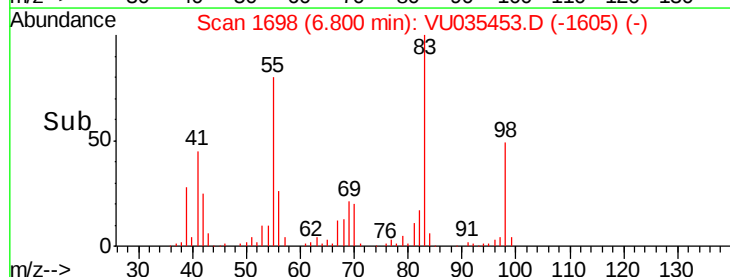
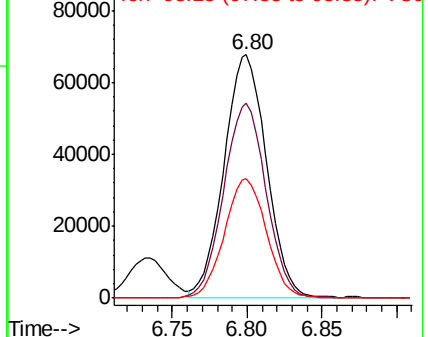
98 48.9 39.5 59.3

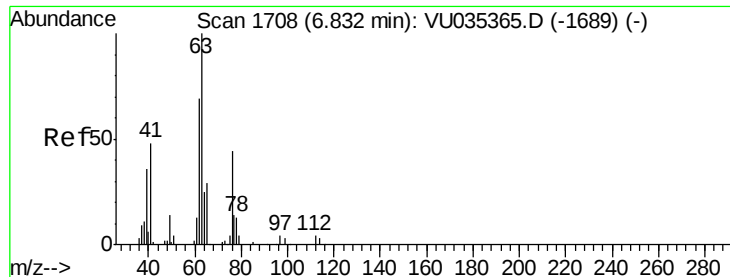


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.498 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

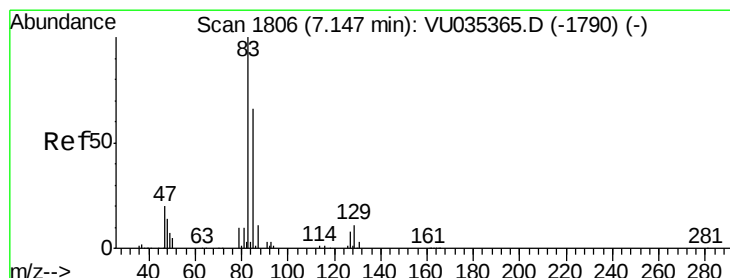
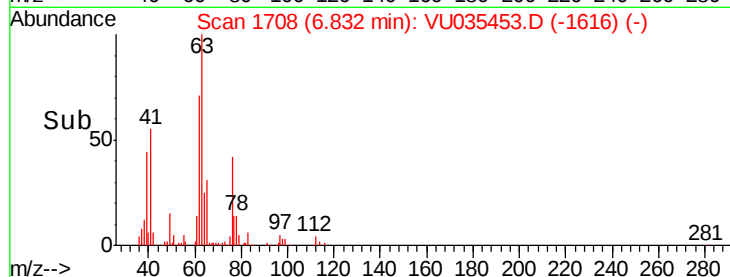
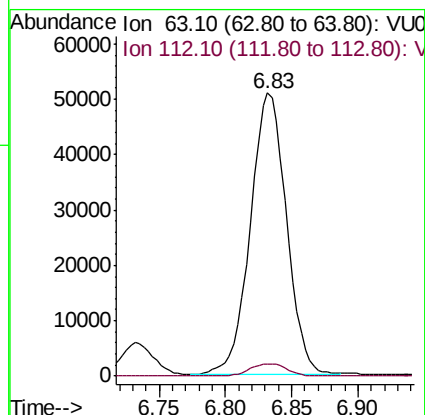
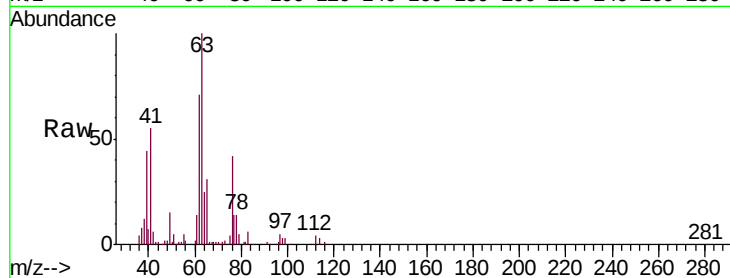
VSTD00516

Tgt Ion: 63 Resp: 96743

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 5.231 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

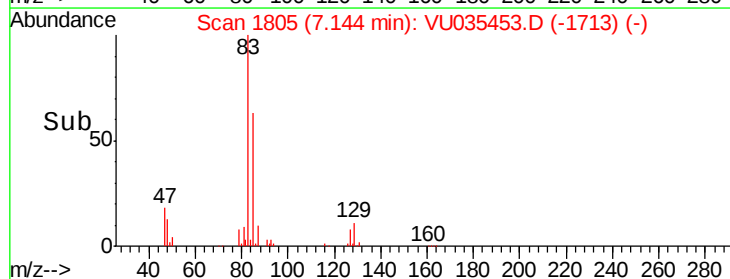
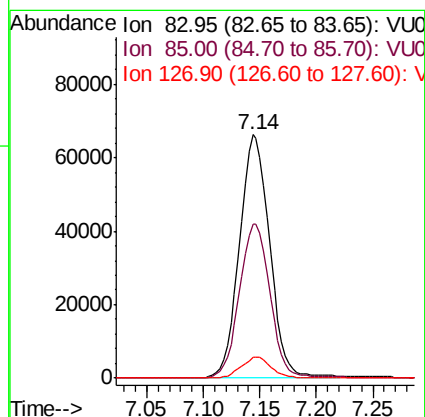
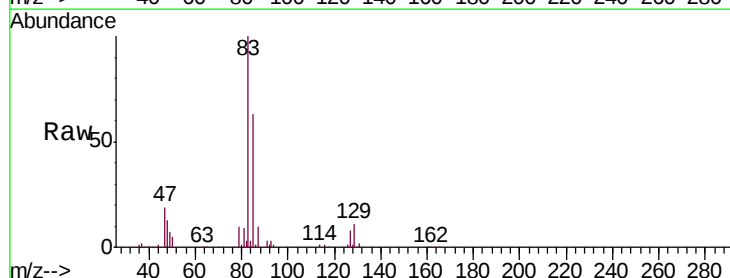
Tgt Ion: 83 Resp: 123998

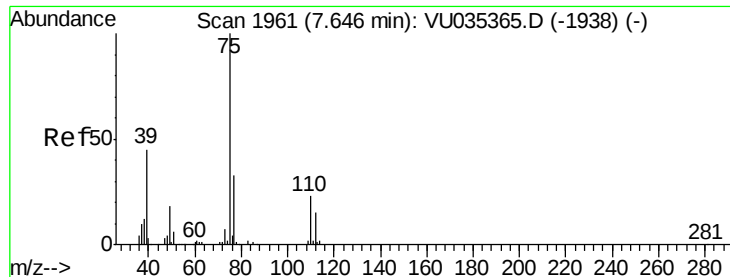
Ion Ratio Lower Upper

83 100

85 63.1 45.6 84.8

127 8.3 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.378 ug/L

RT: 7.65 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

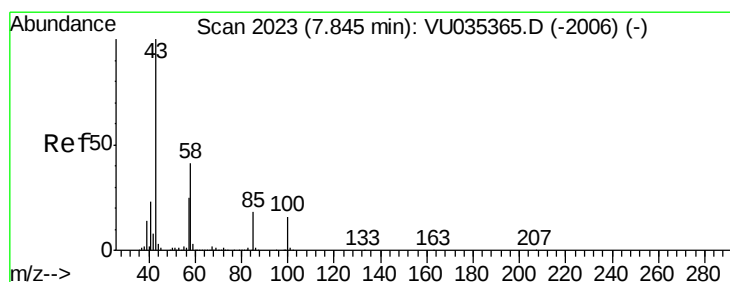
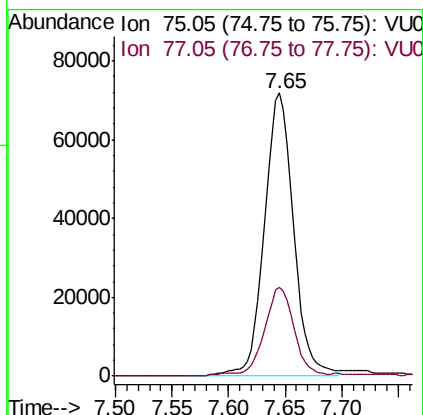
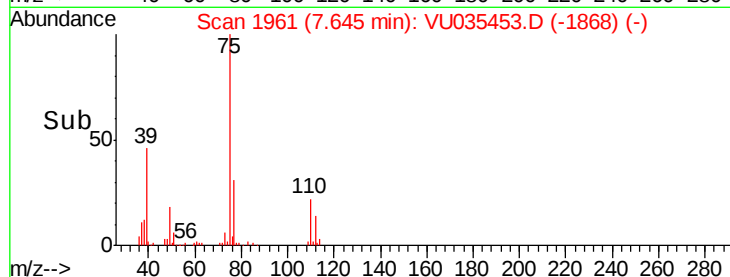
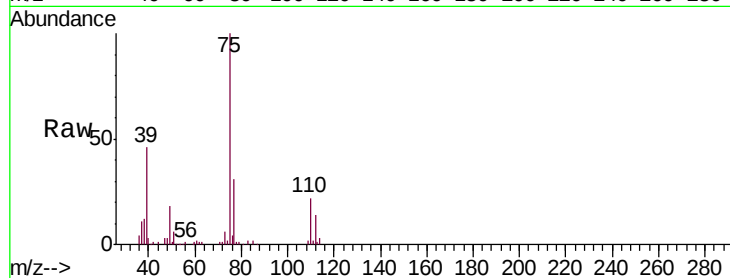
VSTD00516

Tgt Ion: 75 Resp: 128935

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 47.568 ug/L

RT: 7.84 min Scan# 2022

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

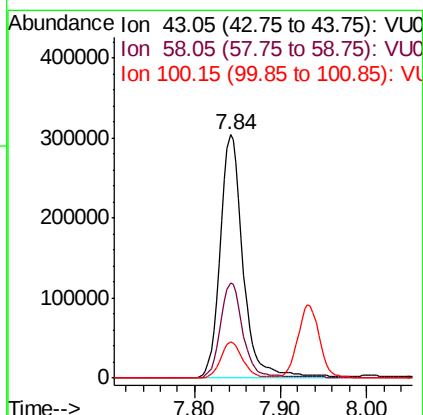
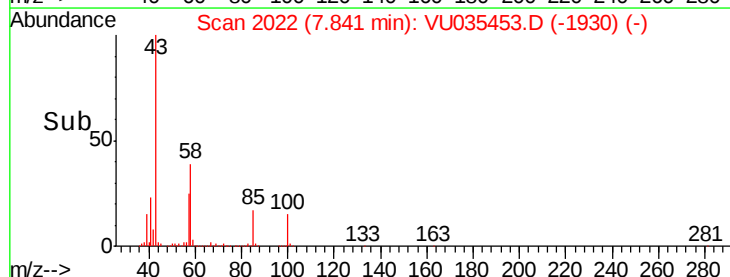
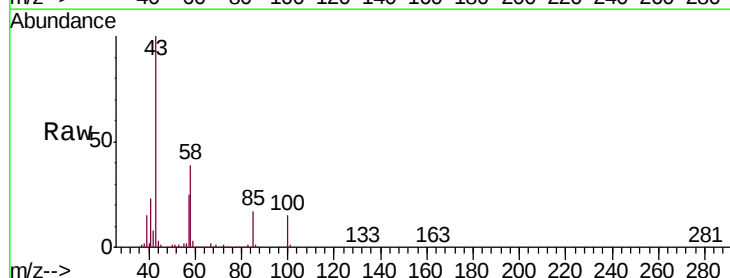
Tgt Ion: 43 Resp: 565043

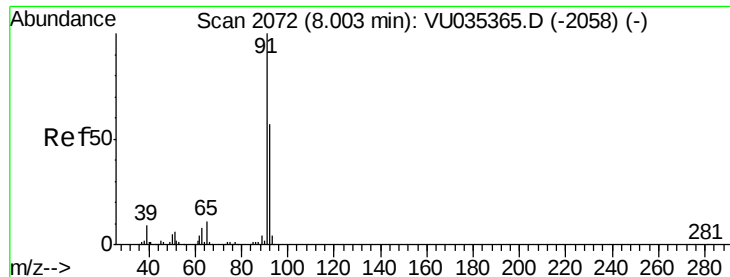
Ion Ratio Lower Upper

43 100

58 38.8 32.3 48.5

100 14.4 13.4 20.2





#42

Toluene

Concen: 5.080 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

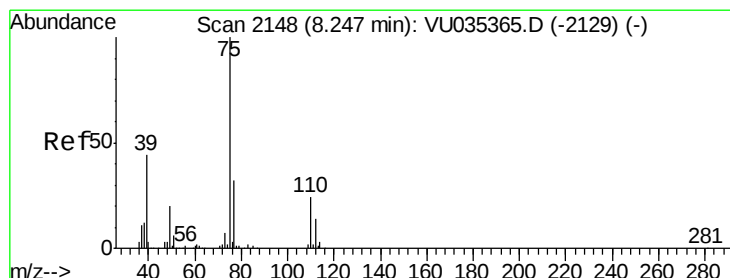
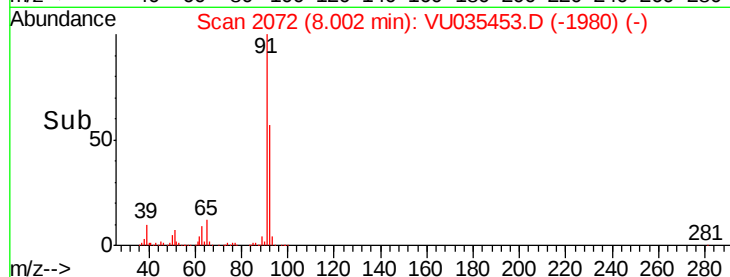
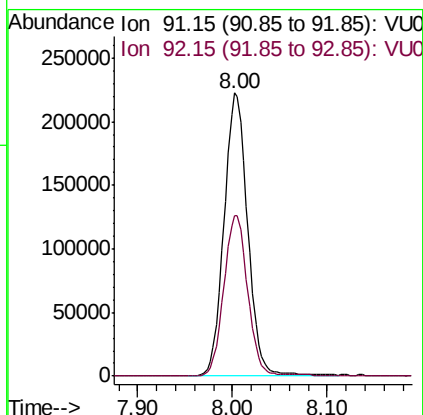
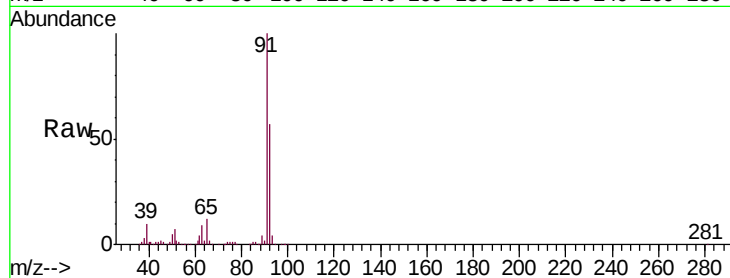
VSTD00516

Tgt Ion: 91 Resp: 388666

Ion Ratio Lower Upper

91 100

92 56.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.508 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035453.D

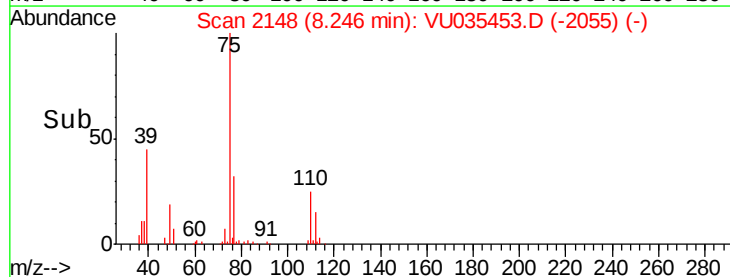
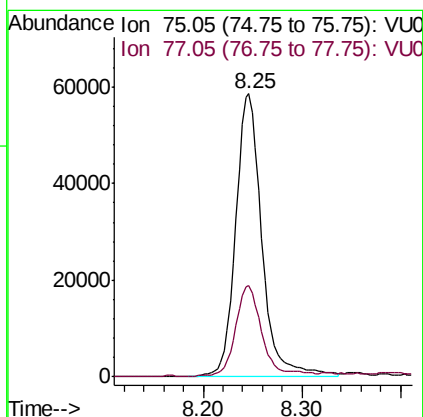
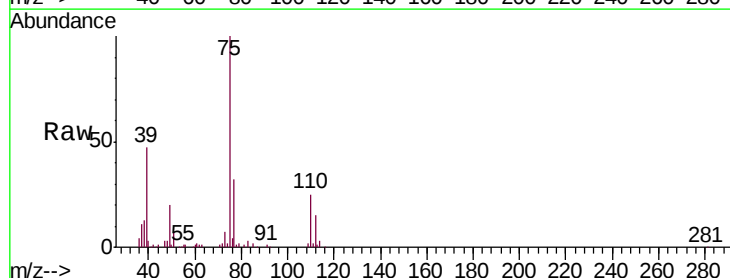
Acq: 24 Oct 2019 11:50

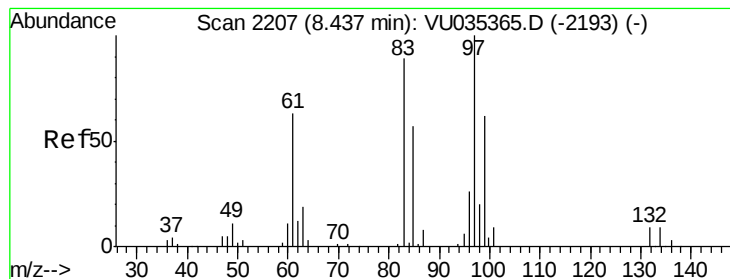
Tgt Ion: 75 Resp: 108498

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 5.114 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tgt Ion: 97 Resp: 66807

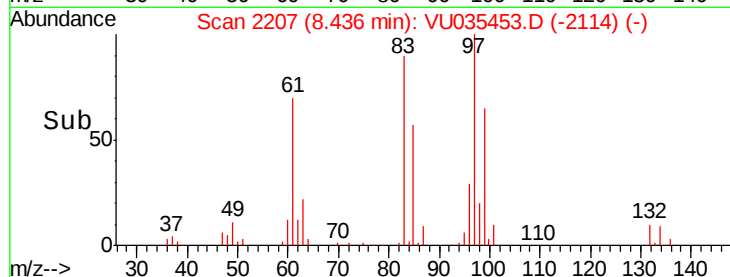
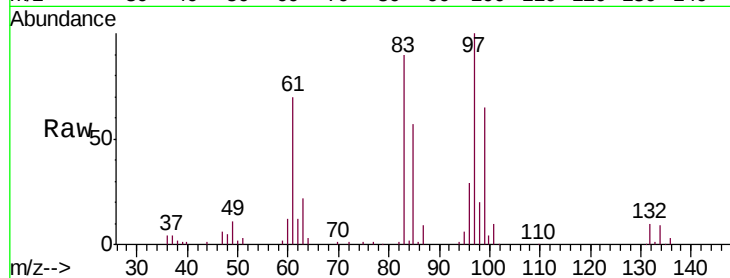
Ion Ratio Lower Upper

97 100

99 64.6 42.9 79.7

83 89.7 60.4 112.2

85 56.7 38.4 71.2

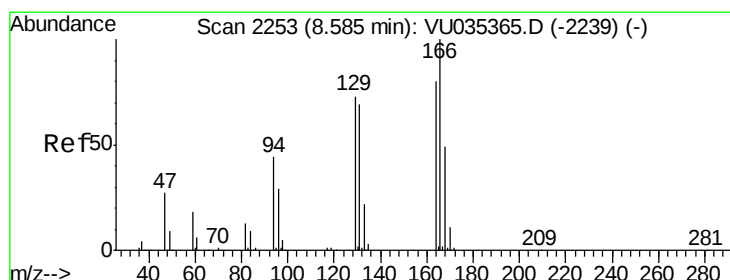
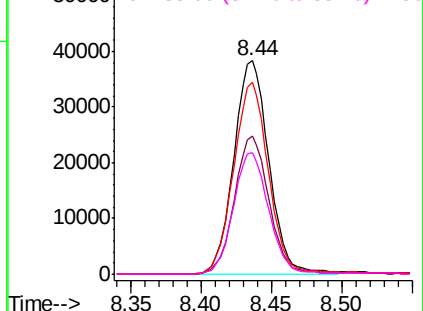


Abundance Ion 96.95 (96.65 to 97.65): VU035453.D (-2114) (-)

Ion 99.05 (98.75 to 99.75): VU035453.D (-2114) (-)

Ion 82.95 (82.65 to 83.65): VU035453.D (-2114) (-)

Ion 85.00 (84.70 to 85.70): VU035453.D (-2114) (-)



#47

Tetrachloroethene

Concen: 4.673 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Tgt Ion: 164 Resp: 72544

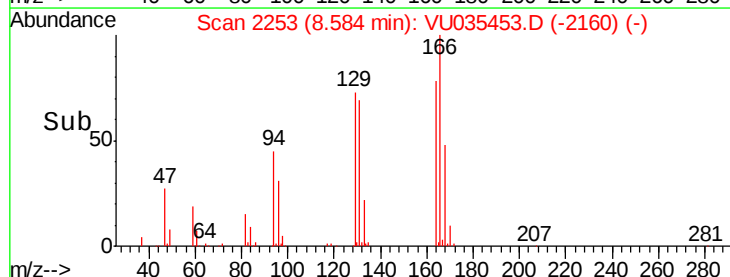
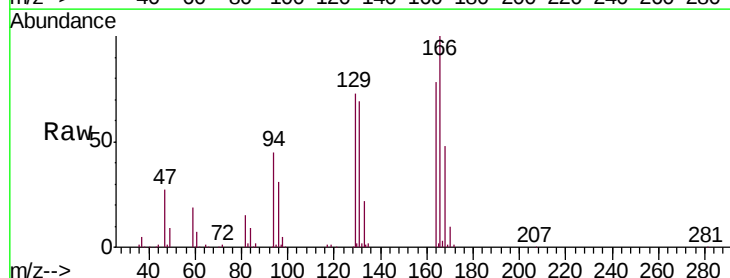
Ion Ratio Lower Upper

164 100

129 94.8 65.2 121.0

131 89.3 62.9 116.9

166 129.0 91.5 169.9

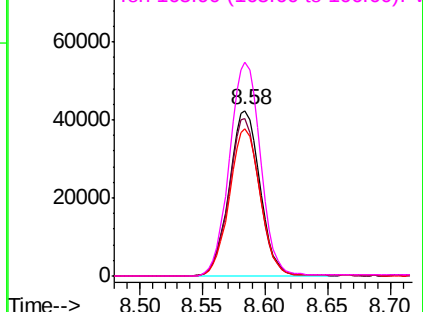


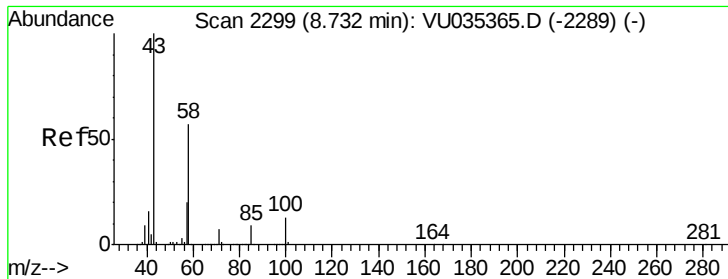
Abundance Ion 163.90 (163.60 to 164.60): VU035453.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU035453.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035453.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035453.D (-2160) (-)

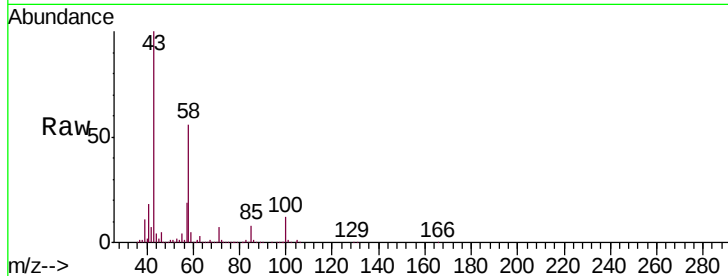




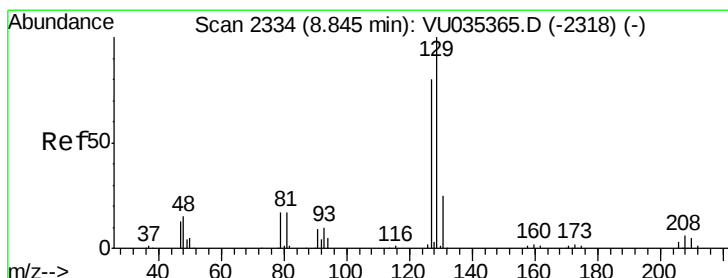
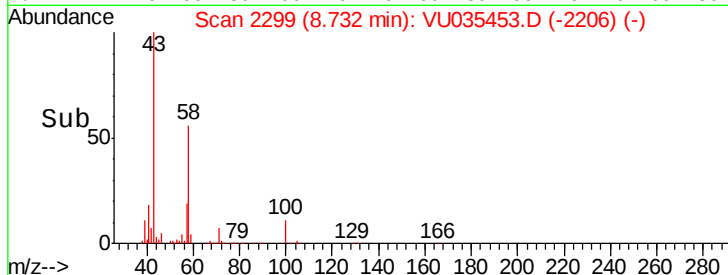
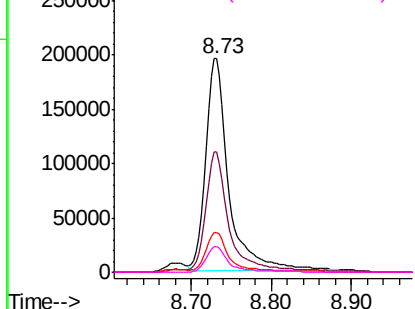
#48
2-Hexanone
Concen: 46.950 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035453.D
Acq: 24 Oct 2019 11:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tgt Ion:	43	Resp:	391123
Ion	Ratio	Lower	Upper
43	100		
58	55.0	45.1	67.7
57	18.0	16.0	24.0
100	11.9	10.4	15.6

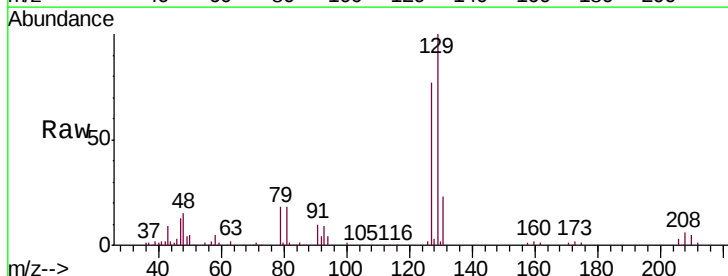


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

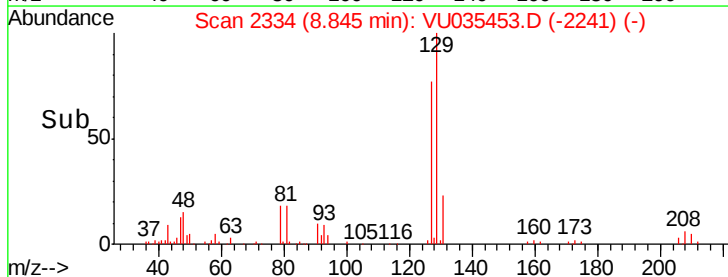
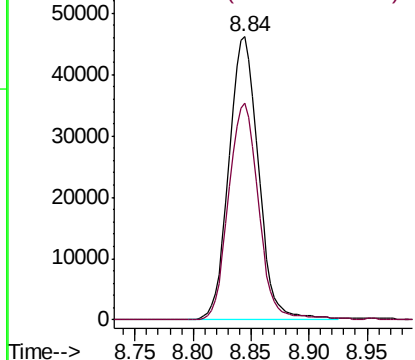


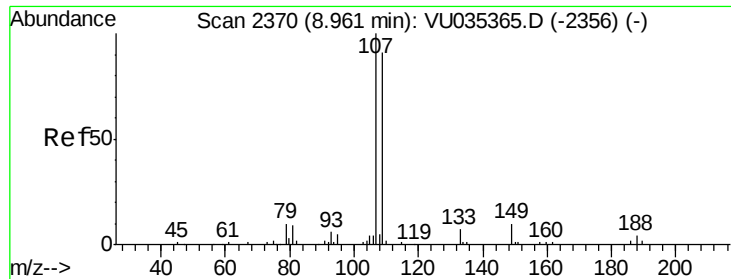
#49
Dibromochloromethane
Concen: 4.927 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035453.D
Acq: 24 Oct 2019 11:50

Tgt Ion:	129	Resp:	81596
Ion	Ratio	Lower	Upper
129	100		
127	76.5	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 4.908 ug/L

RT: 8.96 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

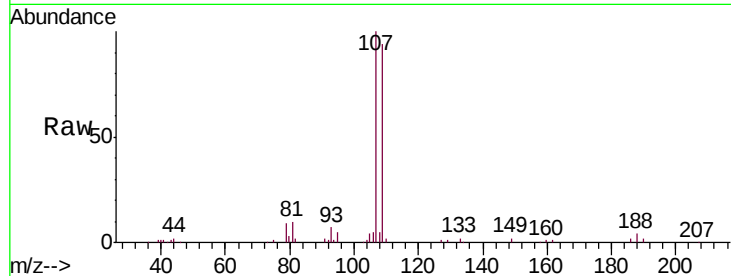
Tgt Ion:107 Resp: 64095

Ion Ratio Lower Upper

107 100

109 94.2 66.1 122.8

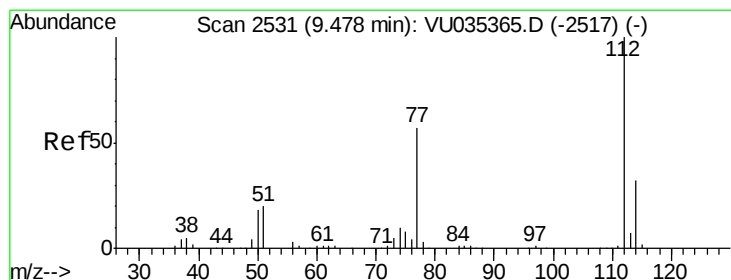
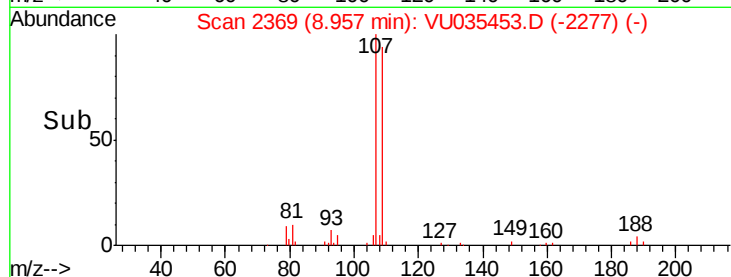
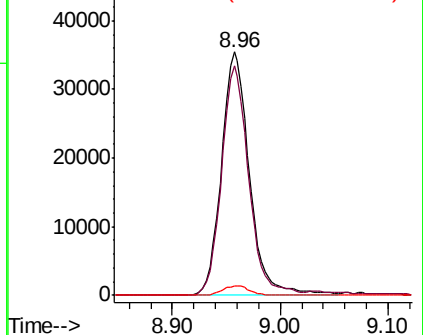
188 3.8 3.2 4.8



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: 4.881 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

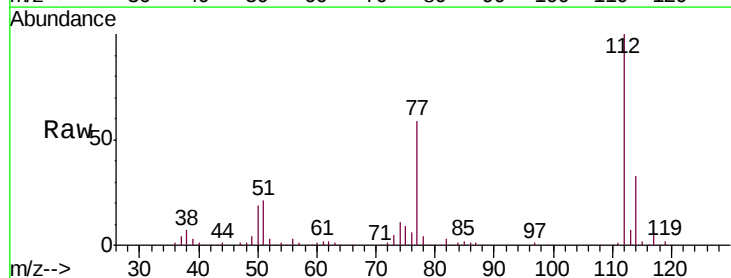
Tgt Ion:112 Resp: 241125

Ion Ratio Lower Upper

112 100

114 33.1 23.0 42.8

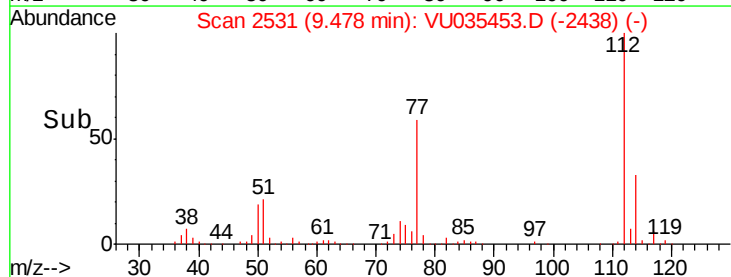
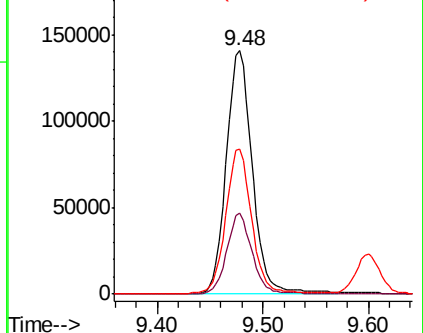
77 59.4 47.5 71.3

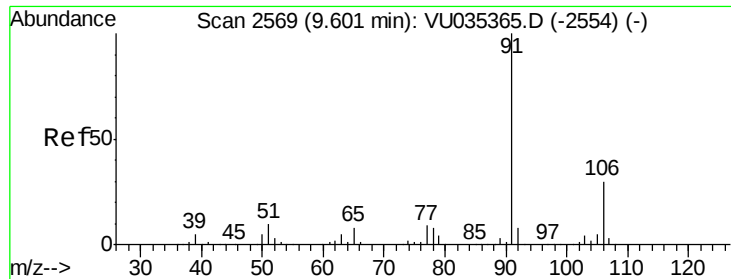


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU

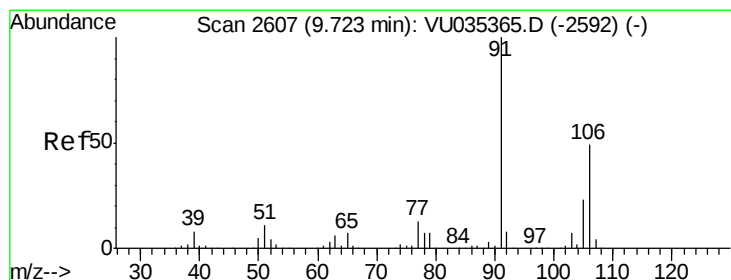
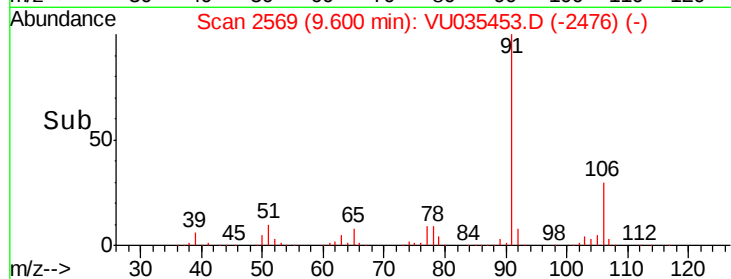
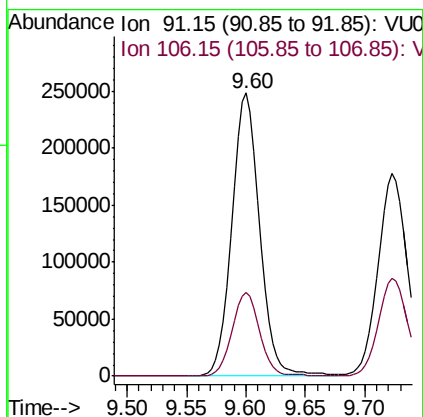
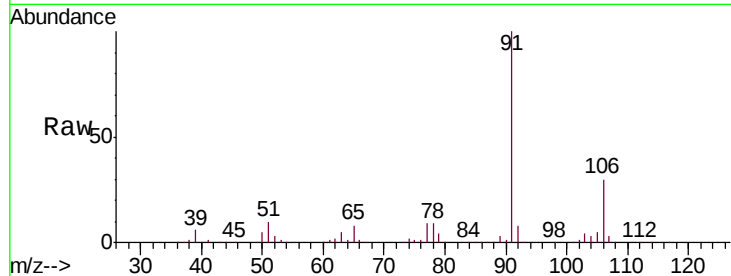




#52
Ethylbenzene
Concen: 4.633 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035453.D
Acq: 24 Oct 2019 11:50

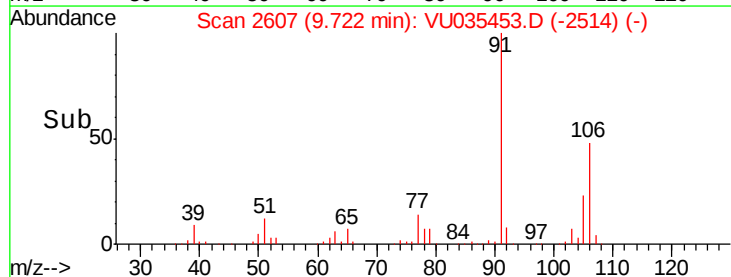
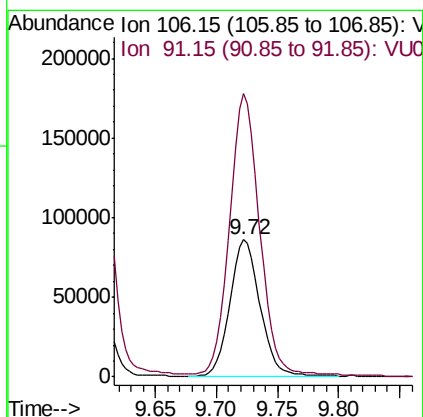
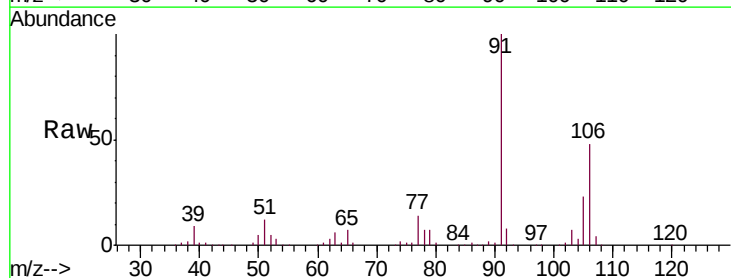
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

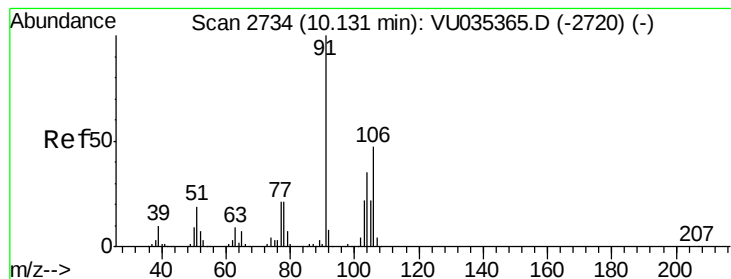
Tgt Ion: 91 Resp: 403073
Ion Ratio Lower Upper
91 100
106 29.7 21.3 39.6



#53
m,p-Xylene
Concen: 4.488 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035453.D
Acq: 24 Oct 2019 11:50

Tgt Ion: 106 Resp: 147454
Ion Ratio Lower Upper
106 100
91 206.3 142.0 263.6





#54

o-Xylene

Concen: 4.482 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

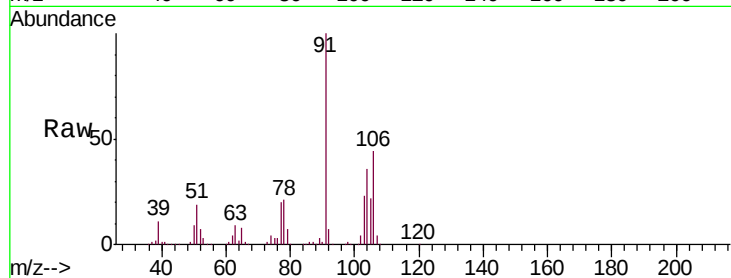
VSTD00516

Tgt Ion:106 Resp: 143723

Ion Ratio Lower Upper

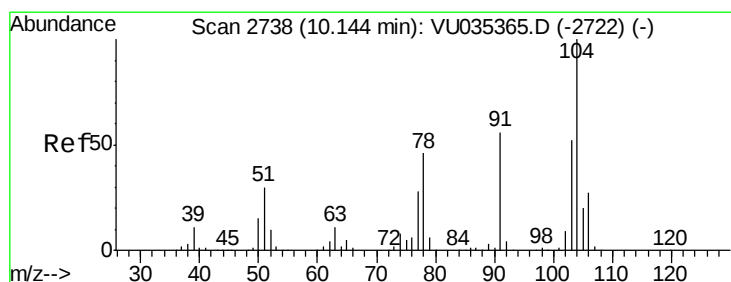
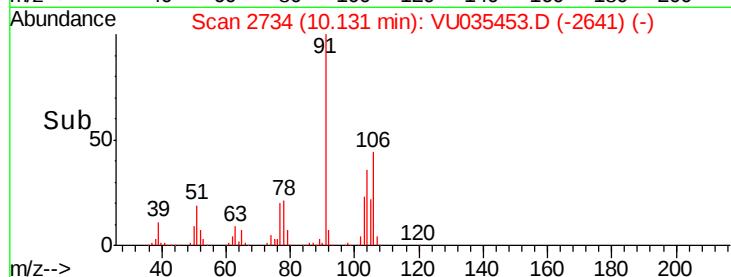
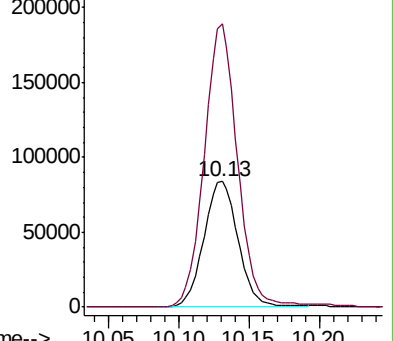
106 100

91 225.7 153.2 284.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



#55

Styrene

Concen: 4.703 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035453.D

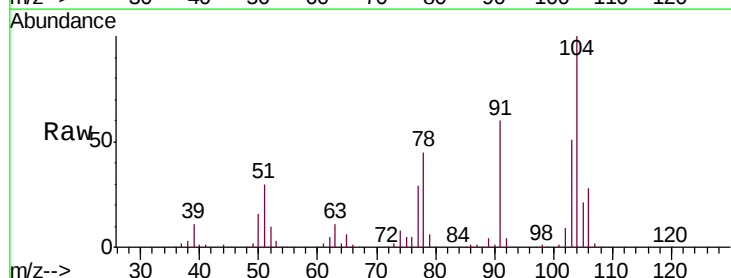
Acq: 24 Oct 2019 11:50

Tgt Ion:104 Resp: 245542

Ion Ratio Lower Upper

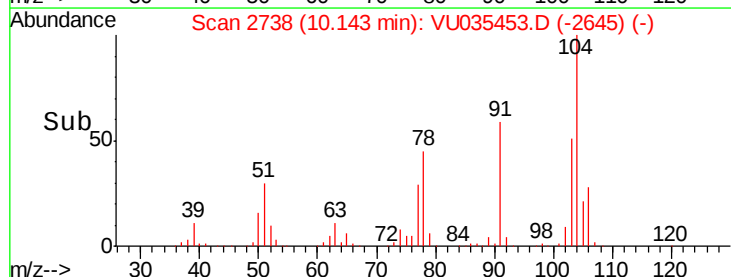
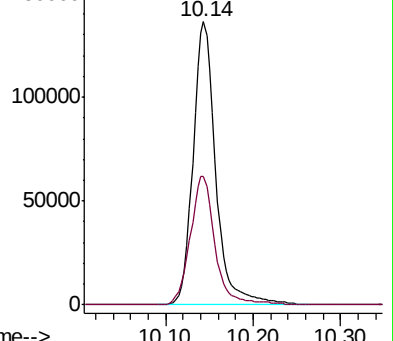
104 100

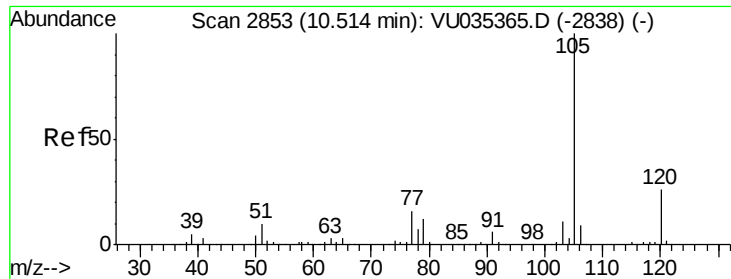
78 45.4 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#56

Isopropylbenzene

Concen: 4.399 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

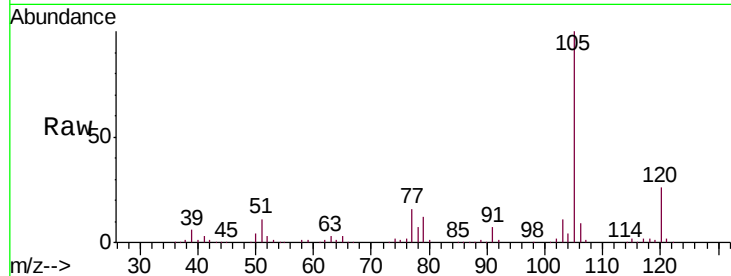
Tgt Ion: 105 Resp: 379393

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

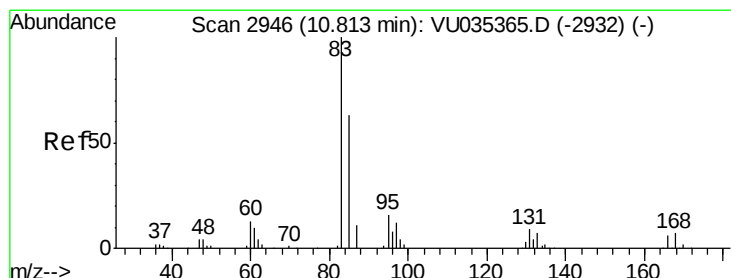
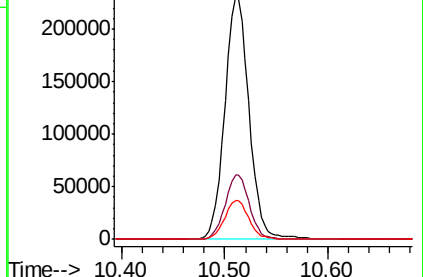
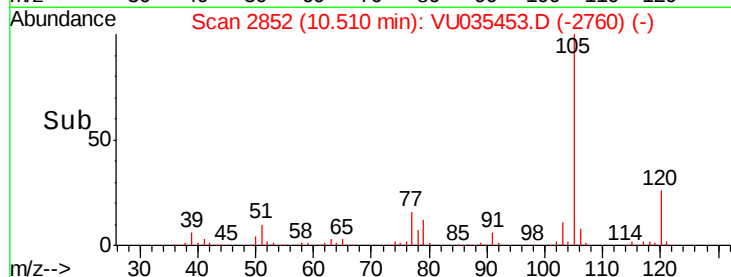
77 16.1 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.362 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

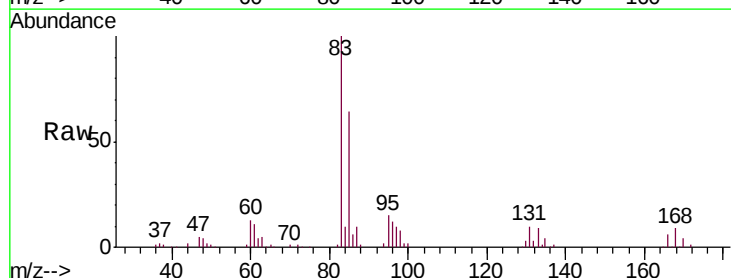
Tgt Ion: 83 Resp: 90149

Ion Ratio Lower Upper

83 100

85 63.7 46.8 86.8

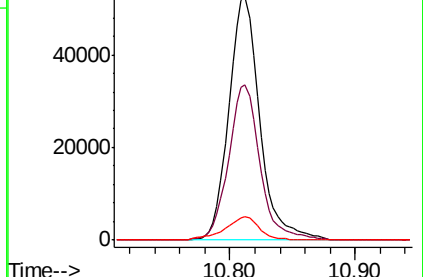
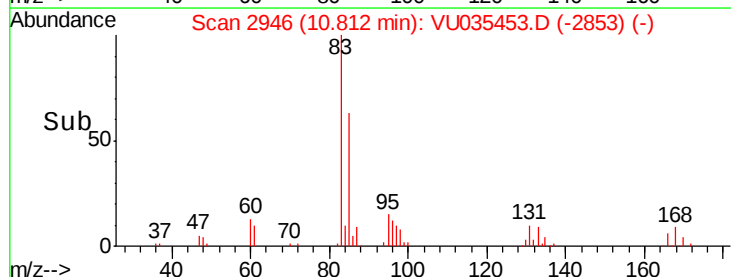
131 9.6 7.5 11.3

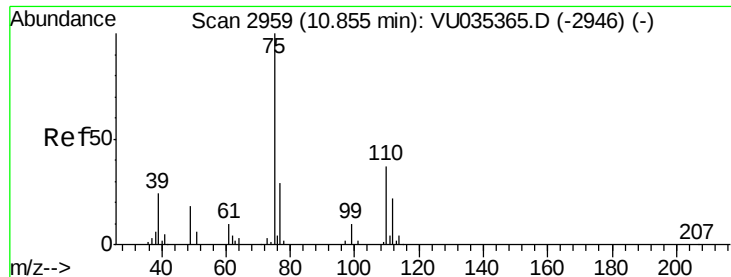


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

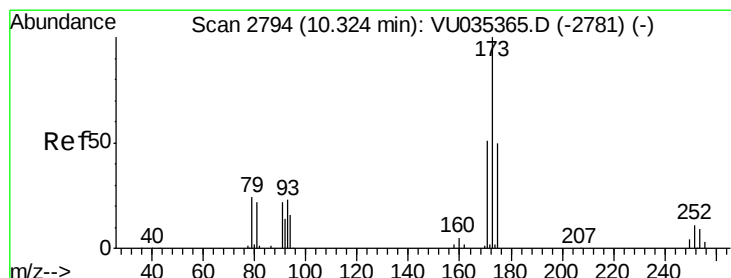
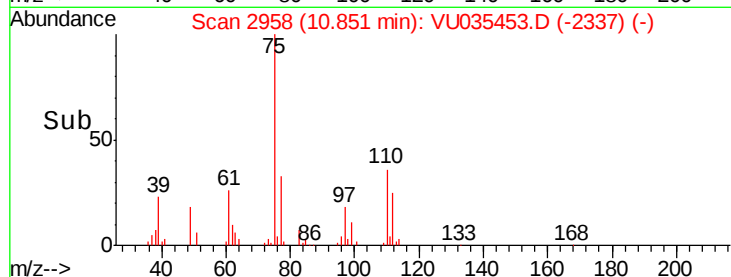
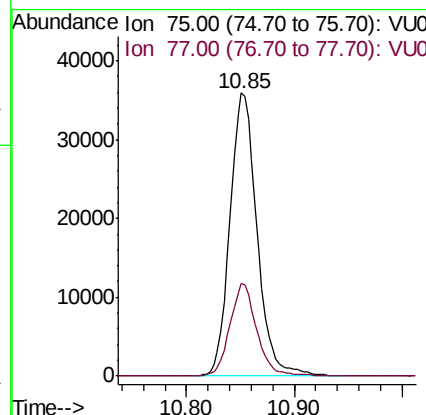
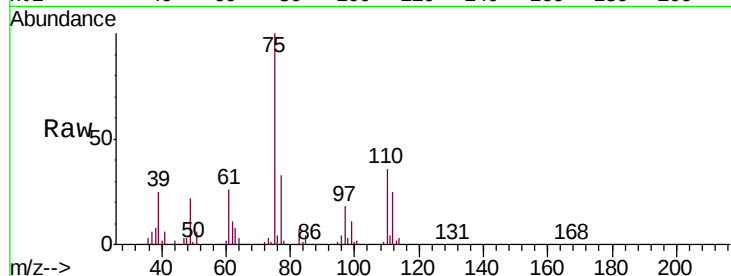




#59
 1,2,3-Trichloropropane
 Concen: 5.147 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU035453.D
 Acq: 24 Oct 2019 11:50

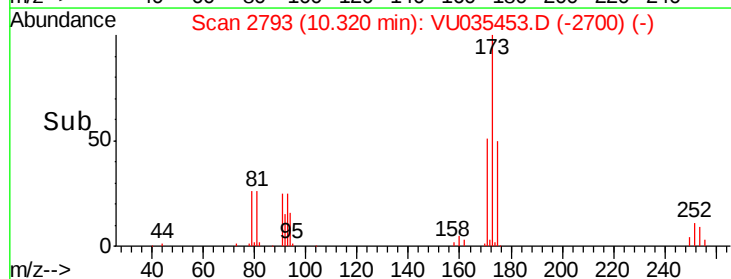
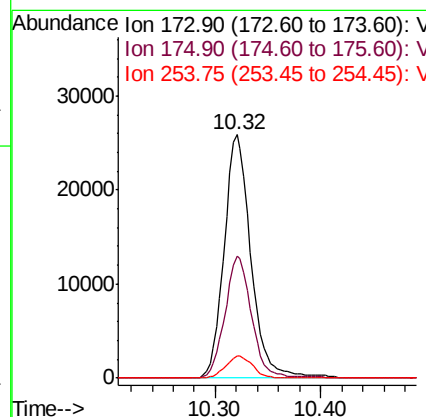
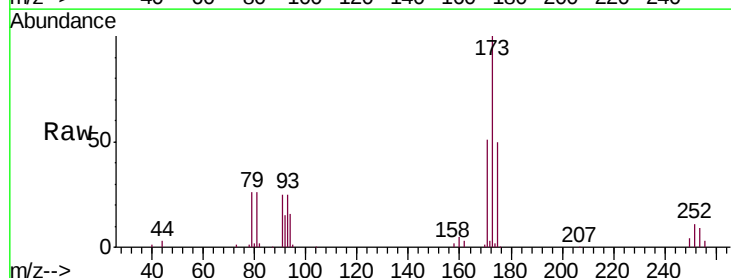
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

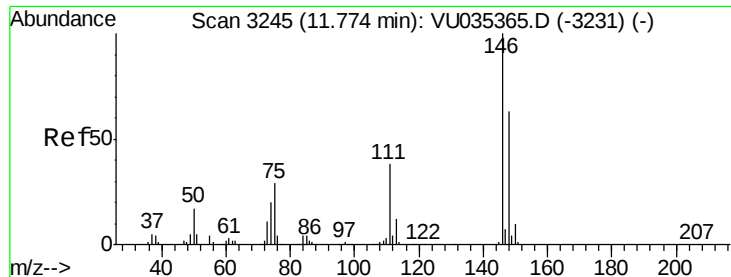
Tgt Ion: 75 Resp: 63095
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2



#61
 Bromoform
 Concen: 4.697 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035453.D
 Acq: 24 Oct 2019 11:50

Tgt Ion: 173 Resp: 45597
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.8 58.2
 254 9.1 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.825 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

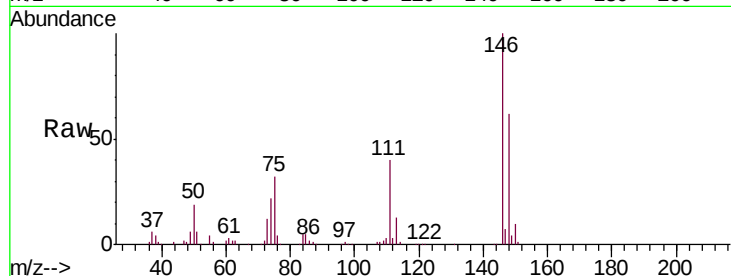
Tgt Ion:146 Resp: 172574

Ion Ratio Lower Upper

146 100

111 39.9 27.8 51.6

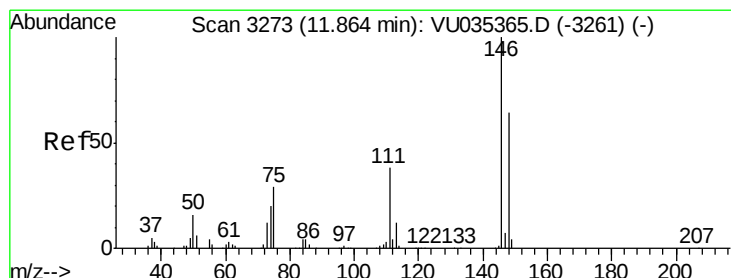
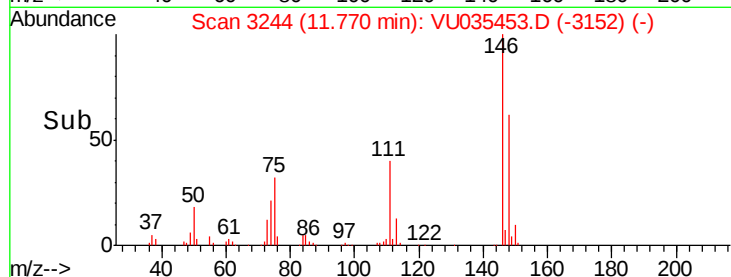
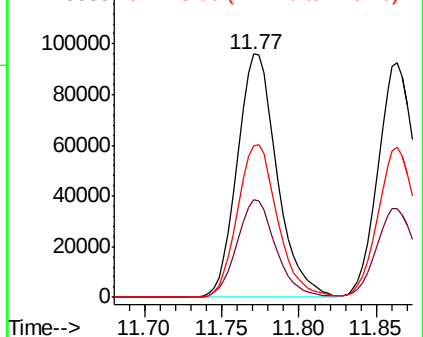
148 62.4 45.6 84.8



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: 4.730 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

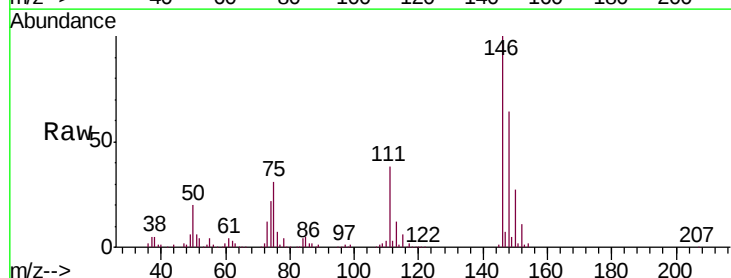
Tgt Ion:146 Resp: 166328

Ion Ratio Lower Upper

146 100

111 37.9 26.4 49.0

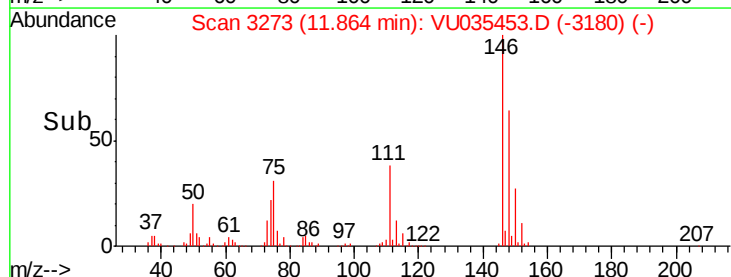
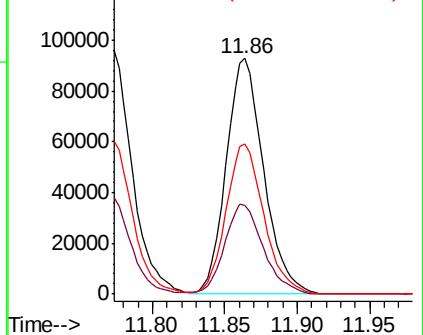
148 63.7 44.7 83.1

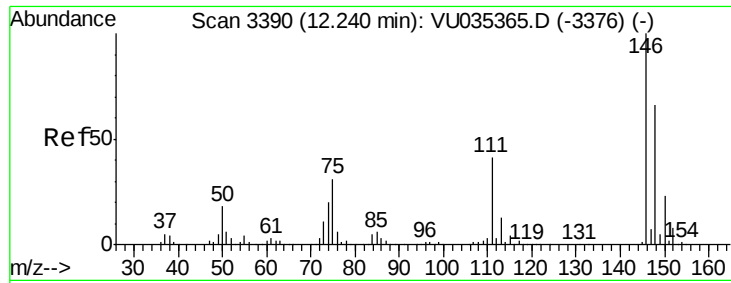


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.833 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

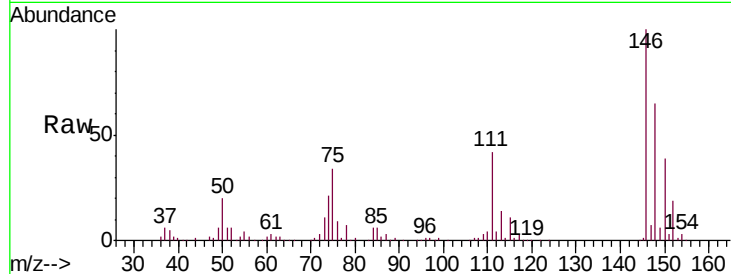
Tgt Ion:146 Resp: 162380

Ion Ratio Lower Upper

146 100

111 42.0 33.0 49.6

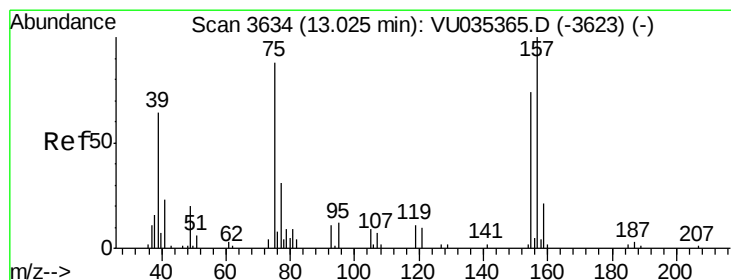
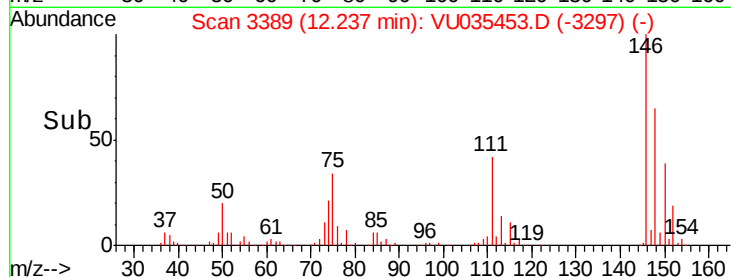
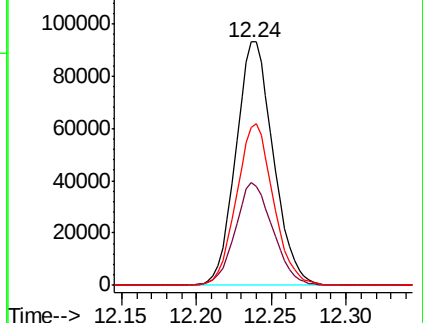
148 64.8 51.0 76.4



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: 4.501 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

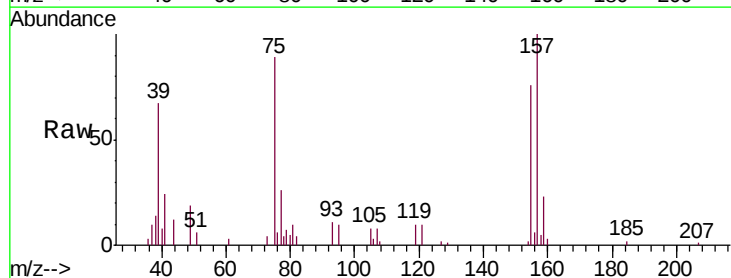
Tgt Ion: 75 Resp: 10683

Ion Ratio Lower Upper

75 100

155 85.5 70.0 105.0

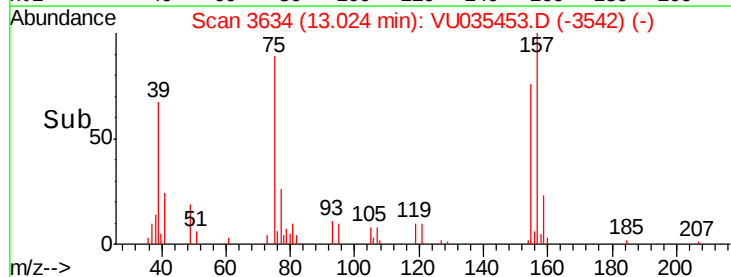
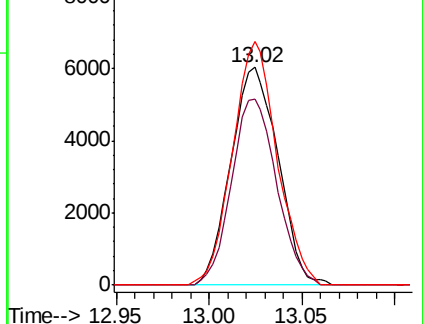
157 112.0 94.7 142.1

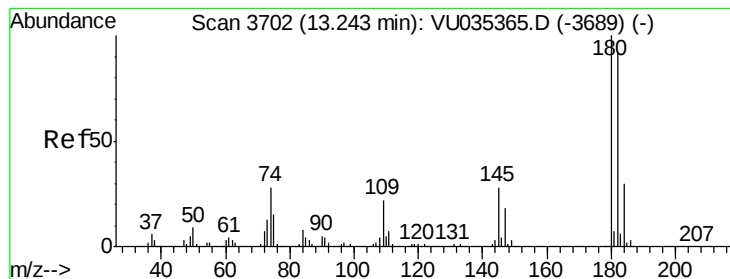


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.141 ug/L

RT: 13.24 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tgt Ion:180 Resp: 91770

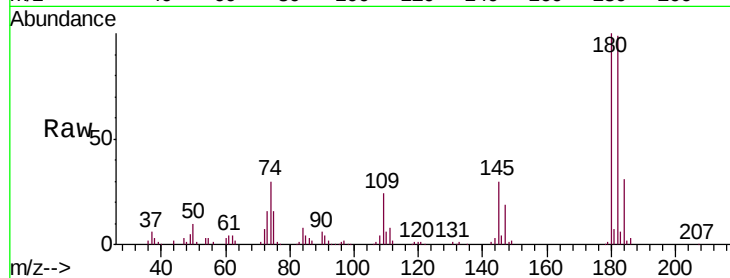
Ion Ratio Lower Upper

180 100

182 97.0 77.4 116.2

184 30.3 23.9 35.9

145 28.6 22.4 33.6

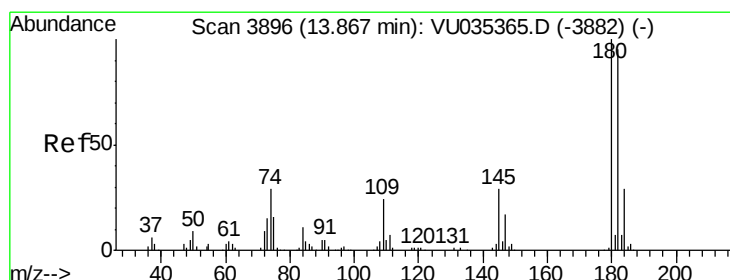
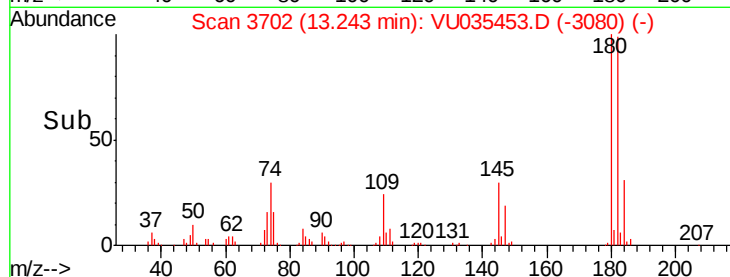
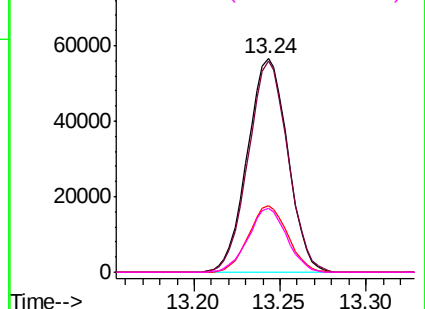


Abundance Ion 180.00 (179.70 to 180.70): V

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: 3.621 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

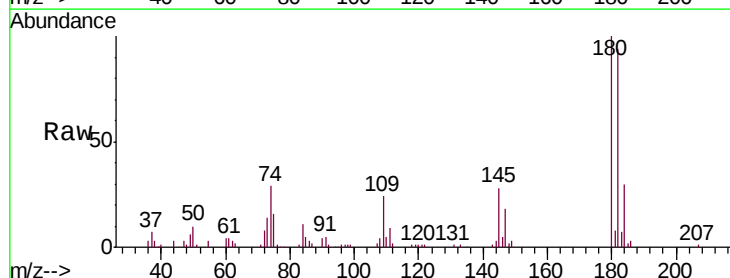
Tgt Ion:180 Resp: 53426

Ion Ratio Lower Upper

180 100

182 94.6 75.9 113.9

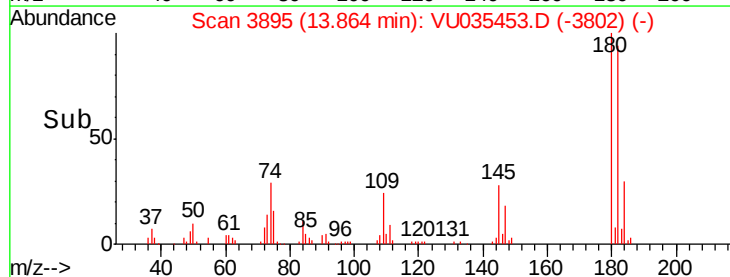
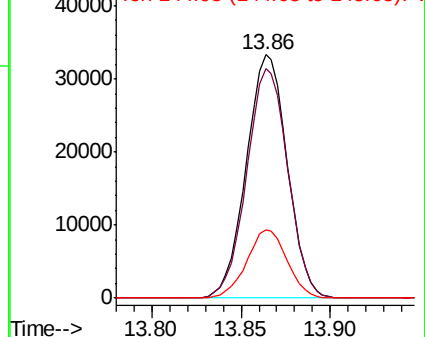
145 27.7 23.4 35.2

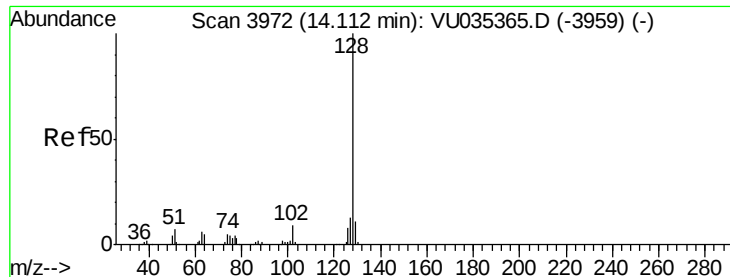


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.149 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

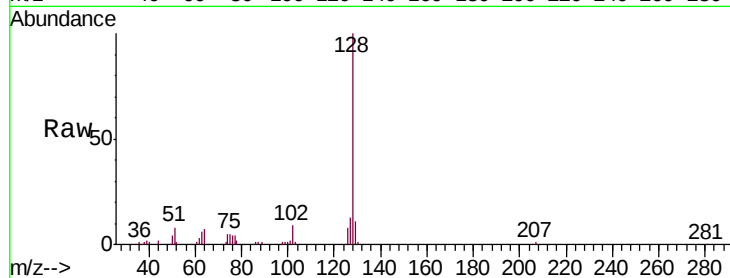
Tgt Ion:128 Resp: 63778

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

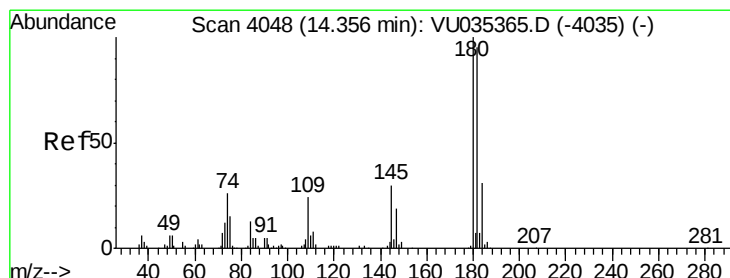
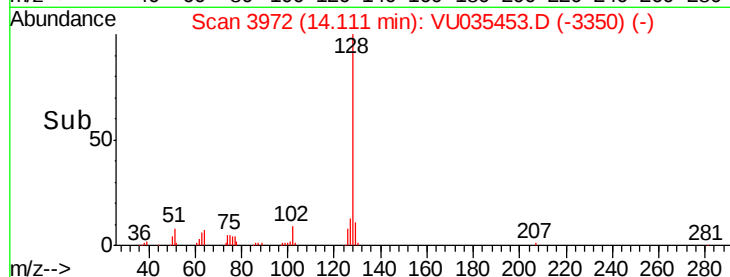
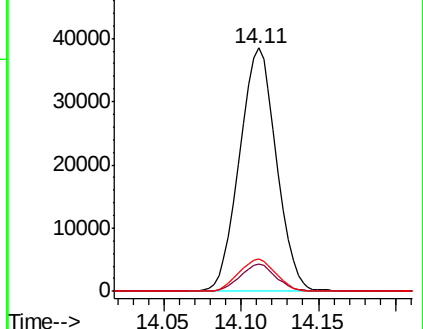
127 13.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.012 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035453.D

Acq: 24 Oct 2019 11:50

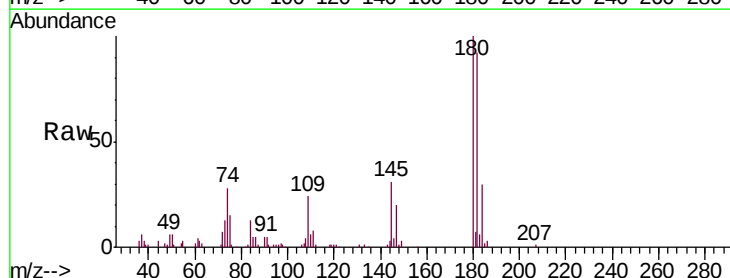
Tgt Ion:180 Resp: 55349

Ion Ratio Lower Upper

180 100

182 94.4 76.0 114.0

145 30.7 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

