

Data File : VU035090.D
Acq On : 11 Oct 2019 15:12
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Quant Time: Oct 12 01:55:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 01:49:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	158976	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	162063	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	81676	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45269	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.67	69	44001	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.26	63	96255	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	4.17	46	145387	52.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.06%
24) Chloroform-d	4.62	84	90251	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.29	65	50632	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.31	84	171828	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.31	67	59884	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.54	98	165685	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.84	79	20941	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.30	63	113932	52.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.78%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55130	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	62544	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	70981	4.886 ug/L	99
3) Chloromethane	1.32	50	79041	4.959 ug/L	97
5) Vinyl chloride	1.40	62	76960	4.916 ug/L	97
6) Bromomethane	1.62	94	30763	3.535 ug/L	96
8) Chloroethane	1.69	64	48253	5.139 ug/L	95
9) Trichlorofluoromethane	1.88	101	99450	5.253 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	55058	5.065 ug/L	98
12) 1,1-Dichloroethene	2.27	96	50478	4.943 ug/L	83
13) Acetone	2.31	43	118716	52.377 ug/L	94
14) Carbon disulfide	2.46	76	158369	4.660 ug/L	100
15) Methyl Acetate	2.60	43	30531	5.060 ug/L	98
16) Methylene chloride	2.68	84	62704	4.960 ug/L	82
17) Methyl tert-butyl Ether	2.98	73	143039	5.134 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	53718	4.913 ug/L	93
19) 1,1-Dichloroethane	3.42	63	114088	5.250 ug/L	99
21) 2-Butanone	4.25	43	165907	51.400 ug/L	94
22) cis-1,2-Dichloroethene	4.20	96	61893	5.075 ug/L	89

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Quant Time: Oct 12 01:55:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 12 01:49:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	26504	5.185	ug/L	84
25) Chloroform	4.65	83	118586	4.857	ug/L	99
27) 1,2-Dichloroethane	5.38	62	71346	5.003	ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	91124	5.006	ug/L	97
30) Cyclohexane	4.97	56	90107	4.502	ug/L	95
31) Carbon tetrachloride	5.11	117	78395	4.967	ug/L	99
33) Benzene	5.37	78	240544	4.927	ug/L	100
34) Trichloroethene	6.16	95	60328	4.792	ug/L	99
35) Methylcyclohexane	6.39	83	89876	4.408	ug/L	94
37) 1,2-Dichloropropane	6.41	63	66941	5.083	ug/L	99
38) Bromodichloromethane	6.74	83	79068	5.122	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	85531	4.795	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	422474	50.975	ug/L	93
42) Toluene	7.62	91	260634	5.115	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	67590	4.892	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	44514	5.091	ug/L	92
47) Tetrachloroethene	8.21	164	50601	4.965	ug/L	98
48) 2-Hexanone	8.35	43	289636	50.970	ug/L	95
49) Dibromochloromethane	8.46	129	52393	5.184	ug/L	95
50) 1,2-Dibromoethane	8.57	107	42548	5.092	ug/L	97
51) Chlorobenzene	9.10	112	165305	5.006	ug/L	98
52) Ethylbenzene	9.23	91	272596	4.844	ug/L	99
53) m,p-Xylene	9.36	106	102042	4.908	ug/L	95
54) o-Xylene	9.76	106	98998	4.869	ug/L	94
55) Styrene	9.77	104	170877	5.190	ug/L	98
56) Isopropylbenzene	10.15	105	267526	4.939	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	61698	5.189	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	43354	5.086	ug/L	99
61) Bromoform	9.94	173	28621	5.109	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	123367	4.903	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	122030	4.806	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	117932	4.857	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	7623	4.941	ug/L	90
67) 1,3,5-Trichlorobenzene	12.87	180	77248	4.534	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	46594	3.662	ug/L	94
69) Naphthalene	13.72	128	63926	3.231	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	50455	4.078	ug/L	98

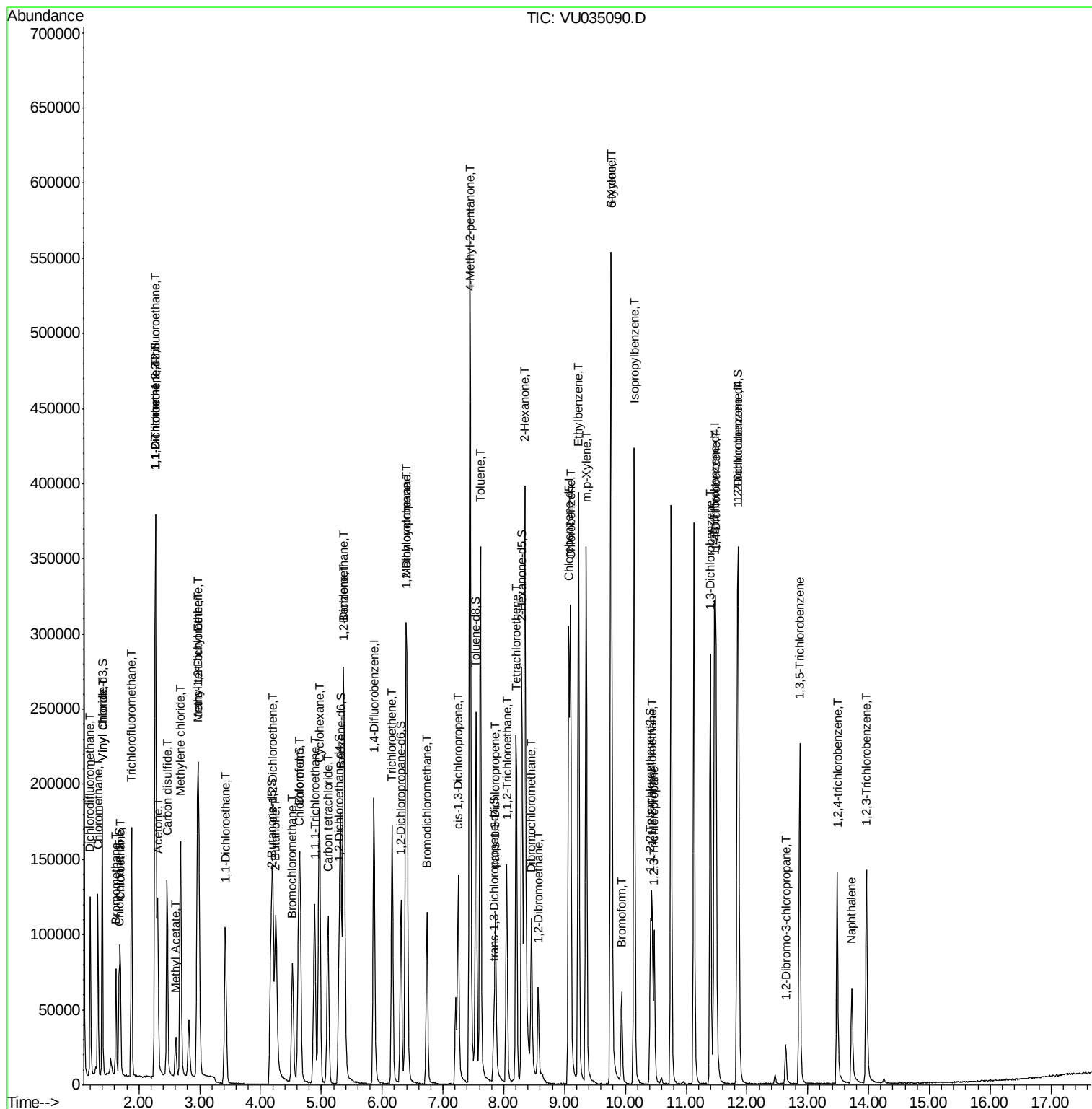
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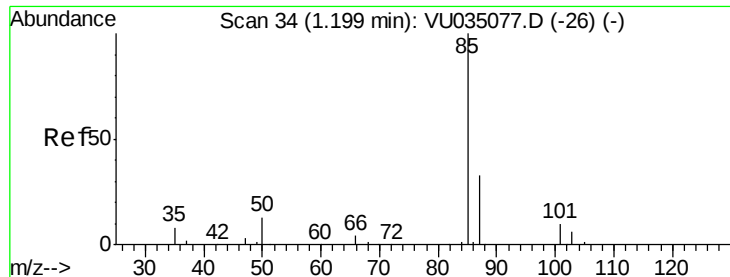
Data File : VU035090.D

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Acq On       : 11 Oct 2019   15:12
Operator    : JC/SP
Sample      : VSTDCCC005
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ALS Vial    : 15      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

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#2

Dichlorodifluoromethane

Concen: 4.886 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

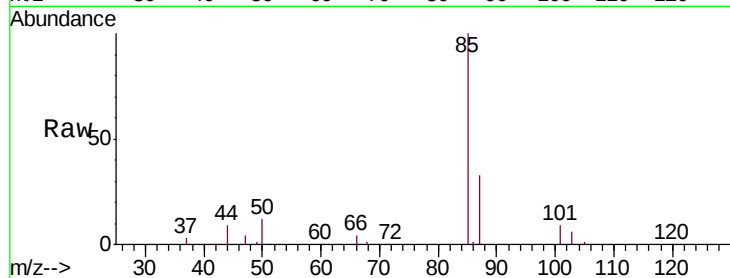
VSTD00515

Tgt Ion: 85 Resp: 70981

Ion Ratio Lower Upper

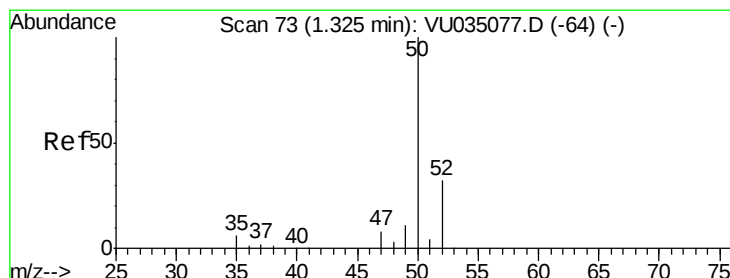
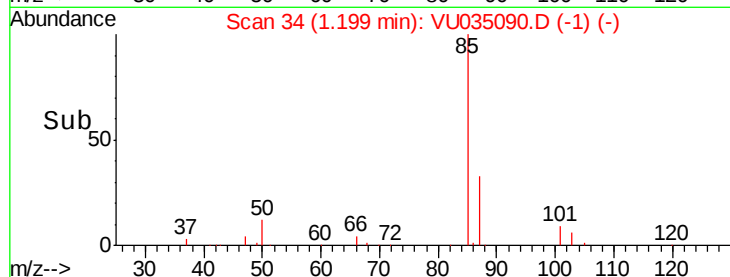
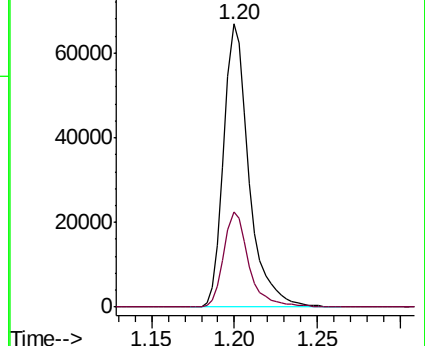
85 100

87 33.3 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035077.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035077.D (-26) (-)



#3

Chloromethane

Concen: 4.959 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU035090.D

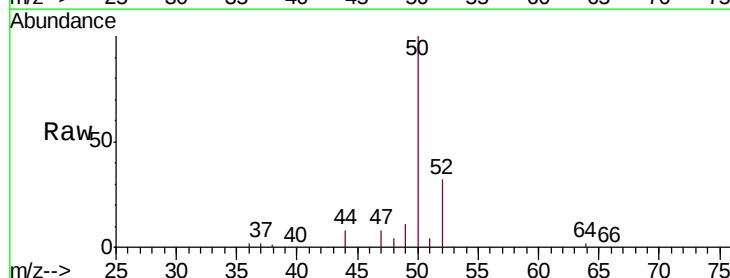
Acq: 11 Oct 2019 15:12

Tgt Ion: 50 Resp: 79041

Ion Ratio Lower Upper

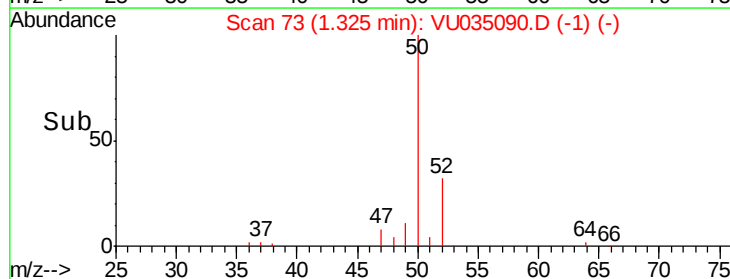
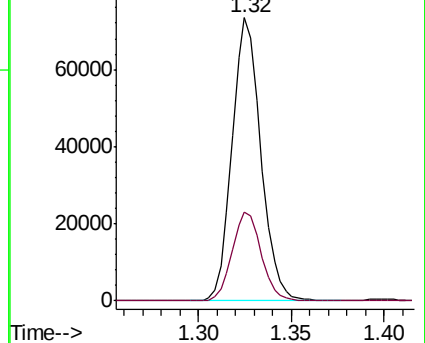
50 100

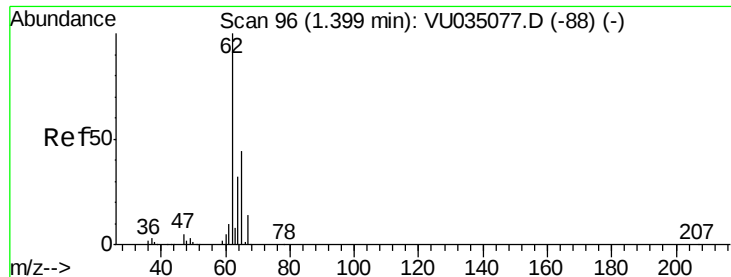
52 31.6 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU035077.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU035077.D (-64) (-)





#5

Vinyl chloride

Concen: 4.916 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

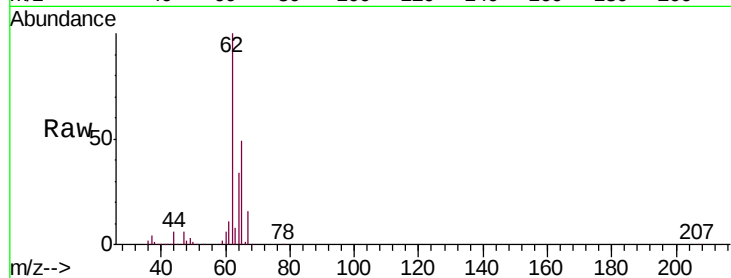
VSTD00515

Tgt Ion: 62 Resp: 76960

Ion Ratio Lower Upper

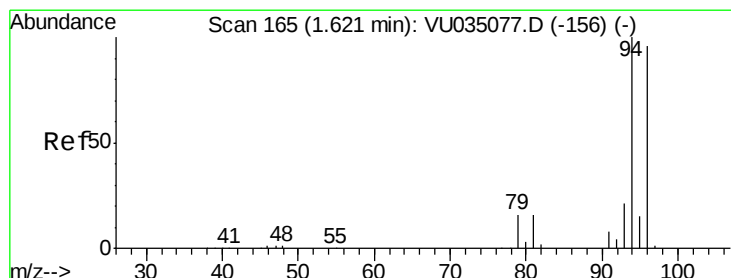
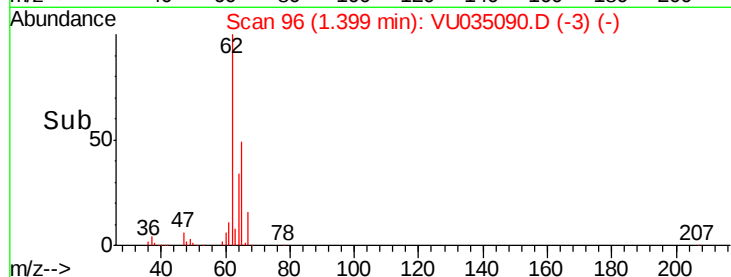
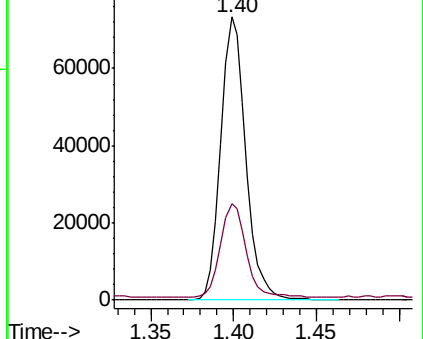
62 100

64 34.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU035077.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU035077.D (-88) (-)



#6

Bromomethane

Concen: 3.535 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035090.D

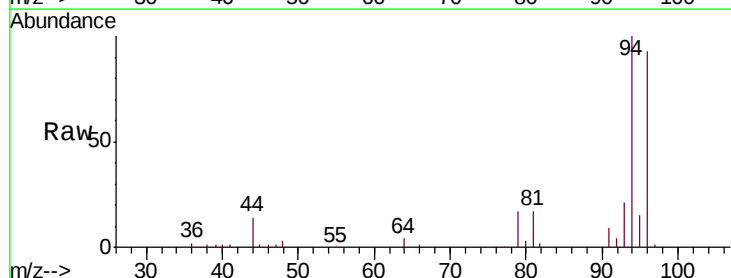
Acq: 11 Oct 2019 15:12

Tgt Ion: 94 Resp: 30763

Ion Ratio Lower Upper

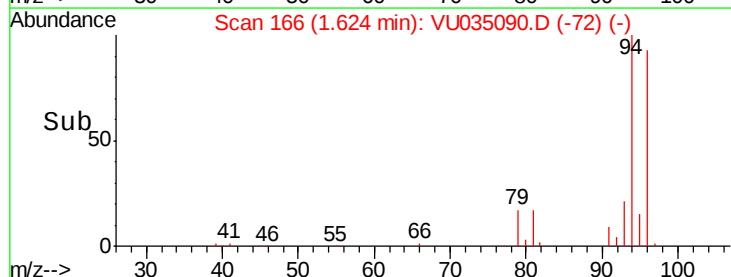
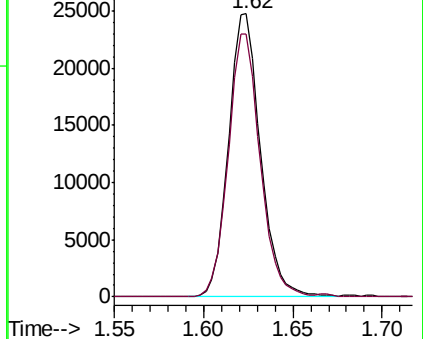
94 100

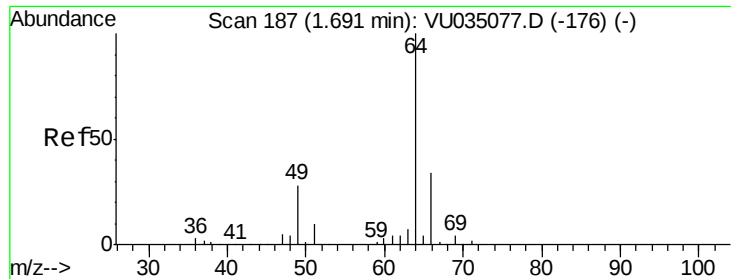
96 92.8 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU035077.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035077.D (-156) (-)





#8

Chloroethane

Concen: 5.139 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

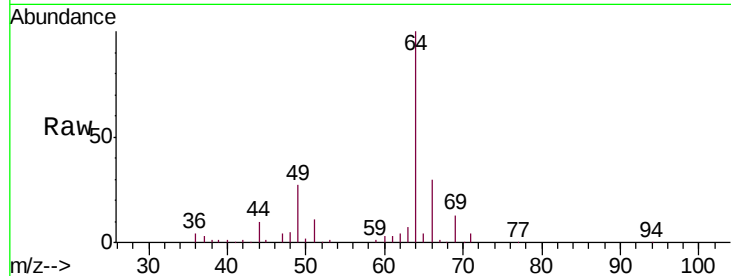
VSTD00515

Tgt Ion: 64 Resp: 48253

Ion Ratio Lower Upper

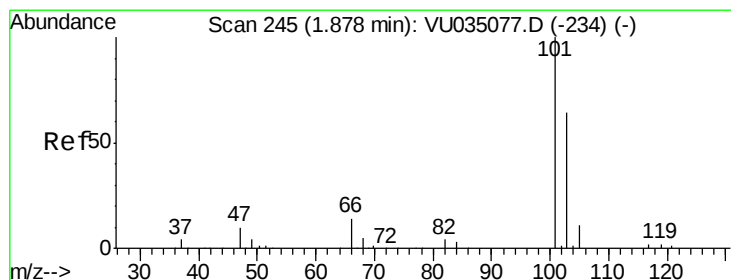
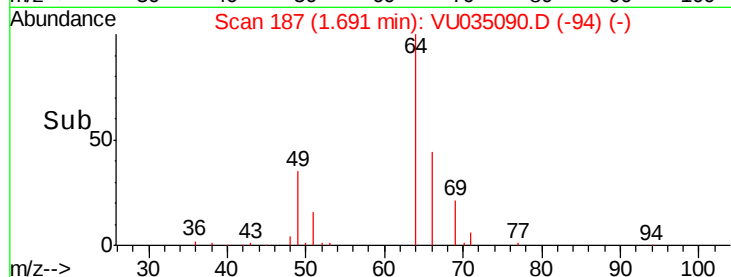
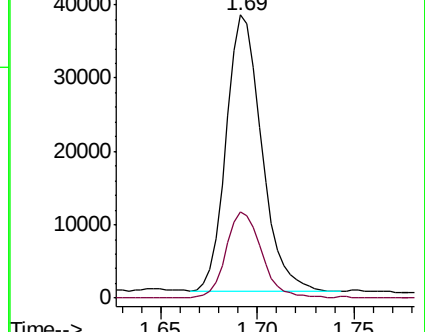
64 100

66 30.3 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU035077.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU035077.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.253 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU035090.D

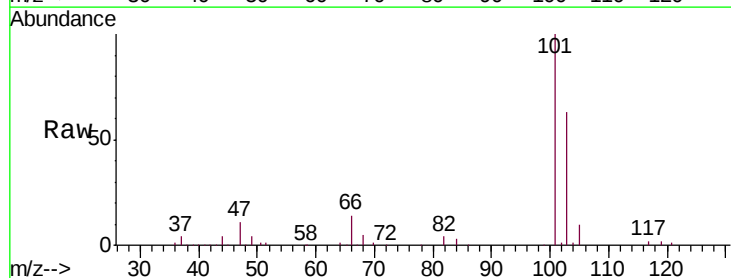
Acq: 11 Oct 2019 15:12

Tgt Ion: 101 Resp: 99450

Ion Ratio Lower Upper

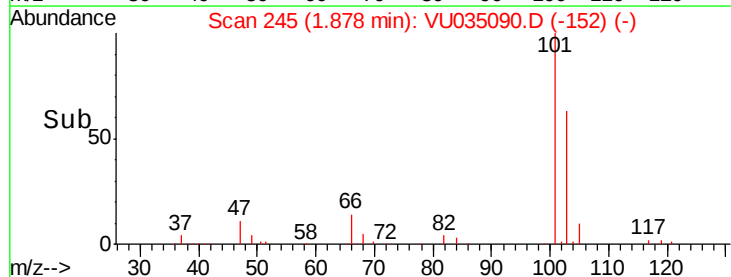
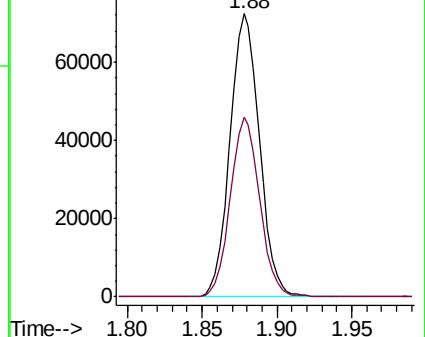
101 100

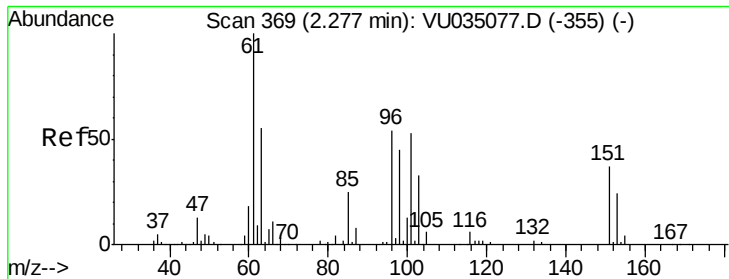
103 63.2 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU035077.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU035077.D (-234) (-)





#10

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

Concen: 5.065 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

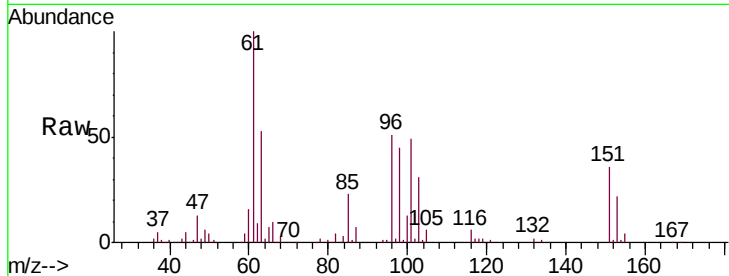
Tgt Ion: 101 Resp: 55058

Ion Ratio Lower Upper

101 100

85 46.6 37.4 56.0

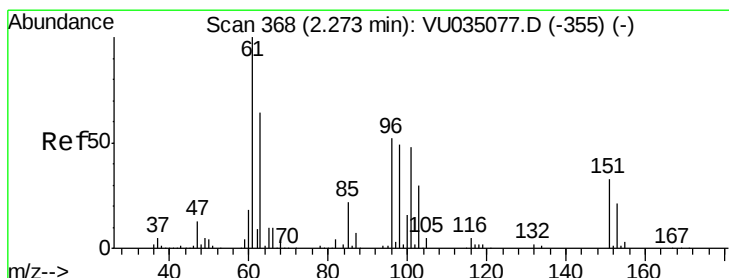
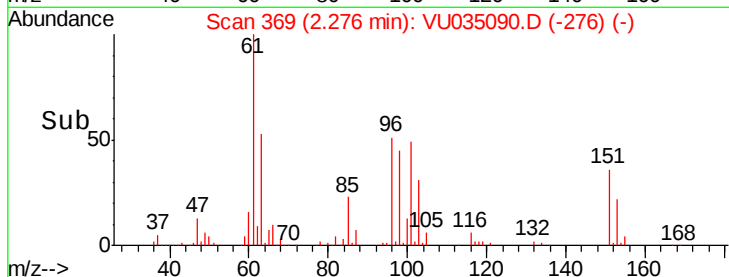
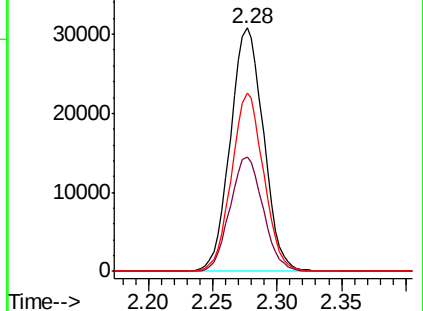
151 71.1 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.943 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

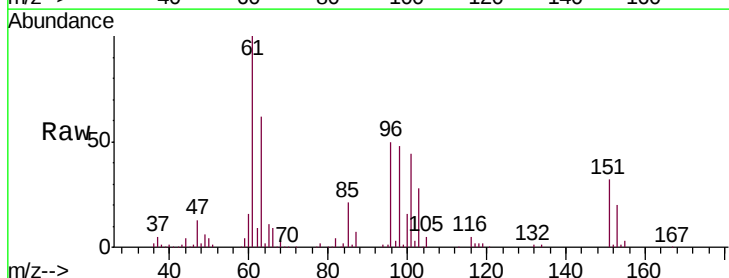
Tgt Ion: 96 Resp: 50478

Ion Ratio Lower Upper

96 100

61 200.0 129.3 240.1

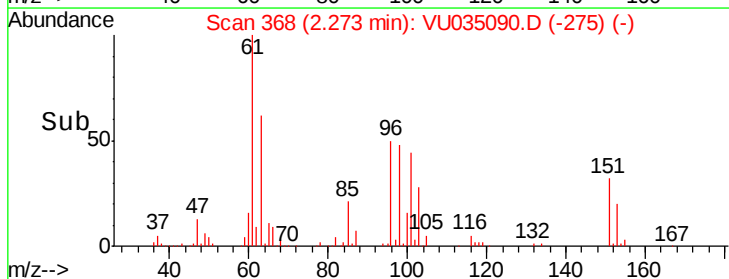
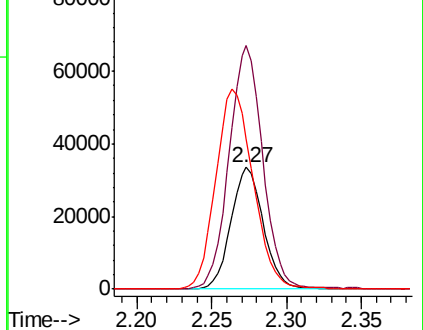
63 123.7 108.9 202.3

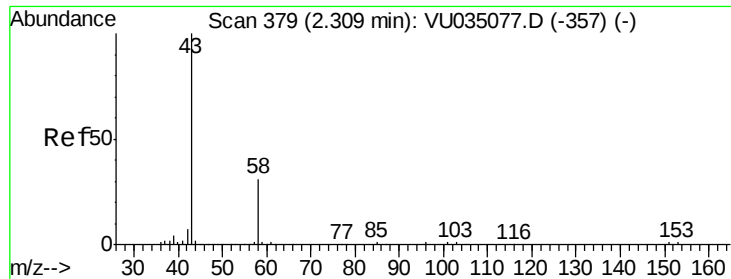


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.377 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

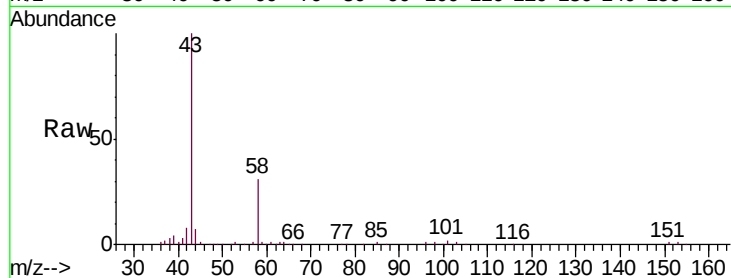
VSTD00515

Tgt Ion: 43 Resp: 118716

Ion Ratio Lower Upper

43 100

58 30.0 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035077.D (-357) (-)

Ion 58.05 (57.75 to 58.75): VU035077.D (-357) (-)

2.31

60000

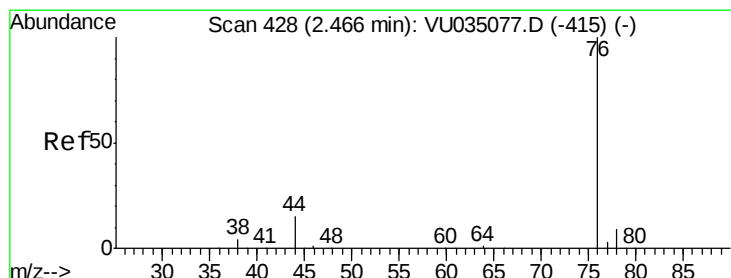
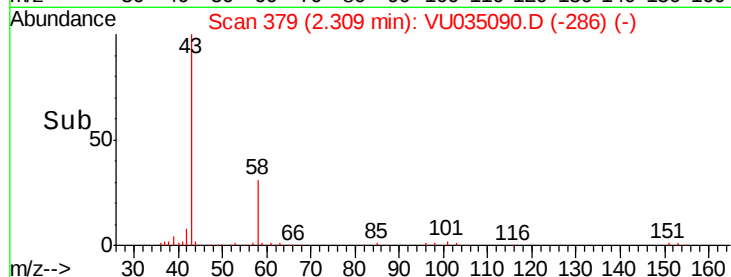
40000

20000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 4.660 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU035090.D

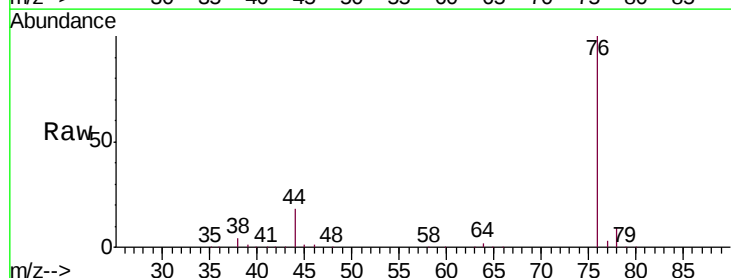
Acq: 11 Oct 2019 15:12

Tgt Ion: 76 Resp: 158369

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035077.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU035077.D (-415) (-)

2.46

100000

80000

60000

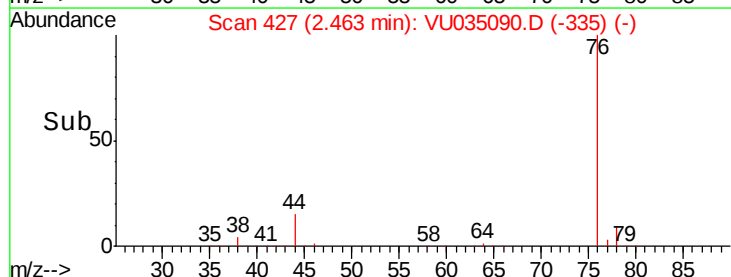
40000

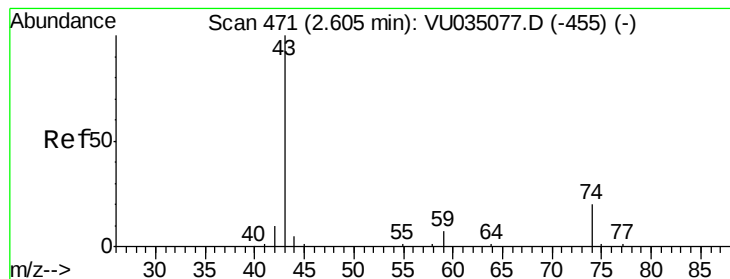
20000

0

Time-->

2.40 2.45 2.50 2.55





#15

Methyl Acetate

Concen: 5.060 ug/L

RT: 2.60 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

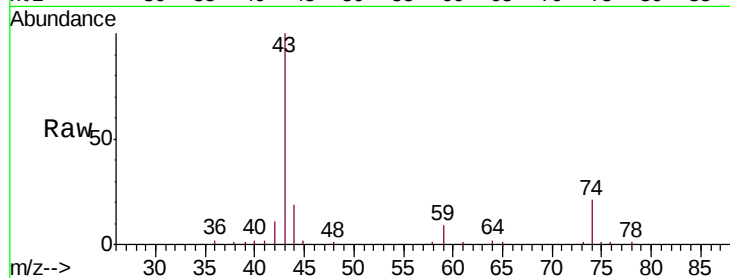
VSTD00515

Tgt Ion: 43 Resp: 30531

Ion Ratio Lower Upper

43 100

74 21.3 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU035077.D (-455) (-)

Ion 74.05 (73.75 to 74.75): VU035077.D (-455) (-)

2.60

15000

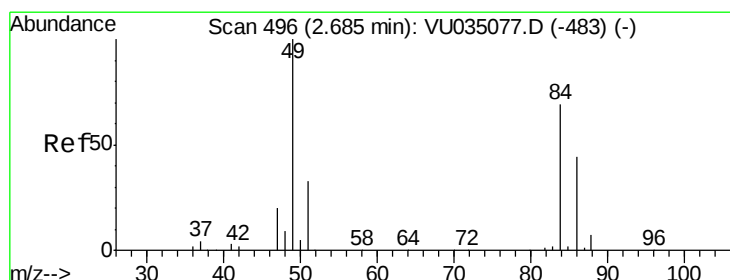
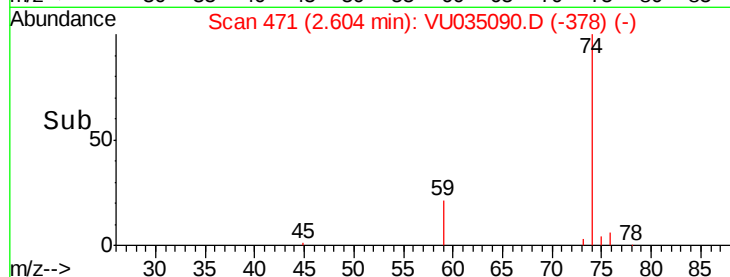
10000

5000

0

2.55 2.60 2.65

Time-->



#16

Methylene chloride

Concen: 4.960 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

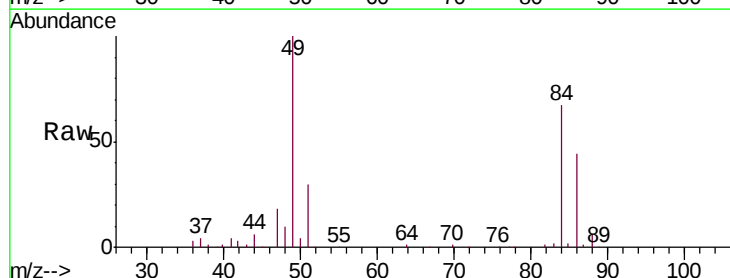
Tgt Ion: 84 Resp: 62704

Ion Ratio Lower Upper

84 100

86 65.8 42.5 78.9

49 149.9 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU035077.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU035077.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU035077.D (-483) (-)

2.68

60000

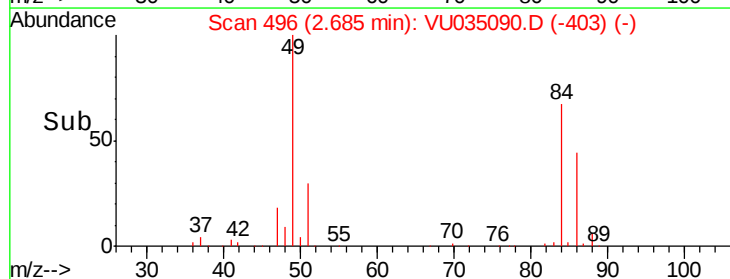
40000

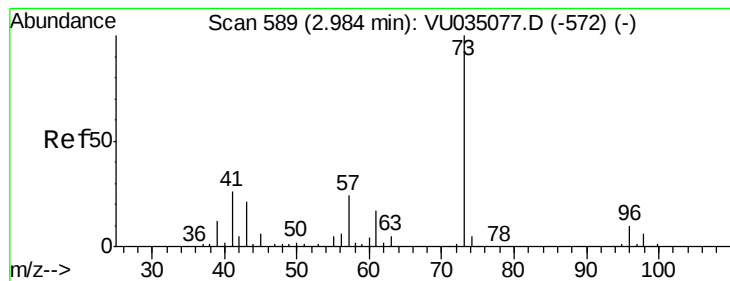
20000

0

2.60 2.65 2.70 2.75

Time-->





#17

Methyl tert-butyl Ether

Concen: 5.134 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

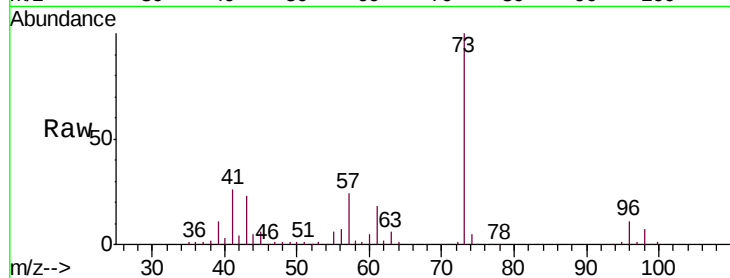
Tgt Ion: 73 Resp: 143039

Ion Ratio Lower Upper

73 100

43 22.6 16.3 24.5

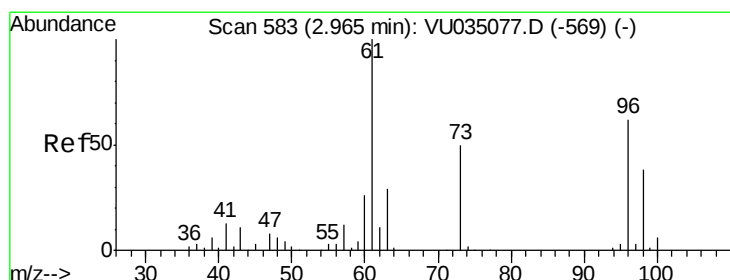
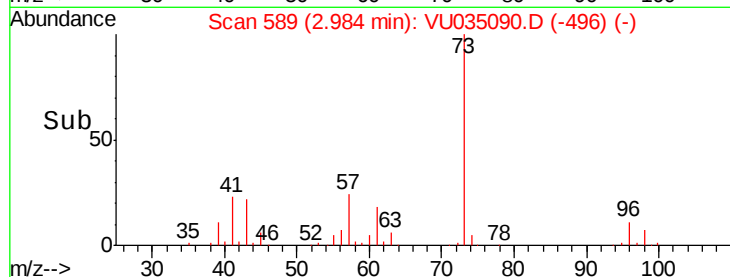
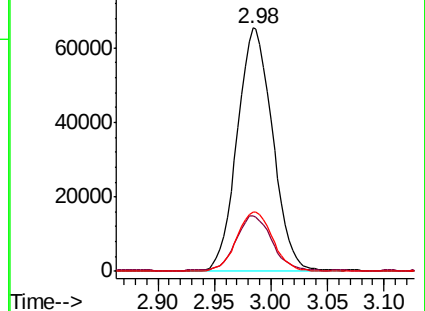
57 24.8 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU035077.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU035077.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU035077.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.913 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

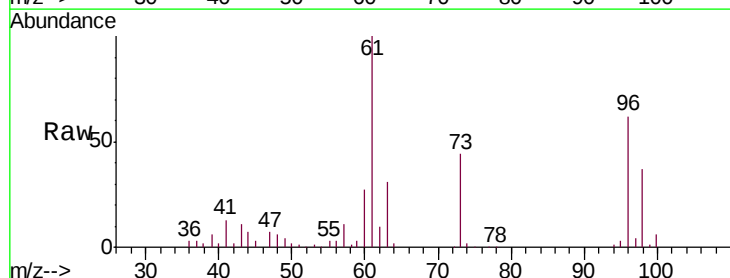
Tgt Ion: 96 Resp: 53718

Ion Ratio Lower Upper

96 100

61 162.2 107.1 198.9

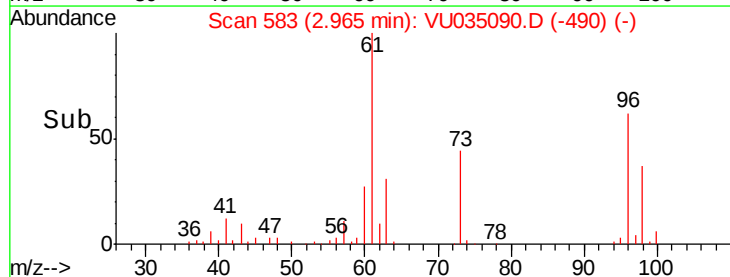
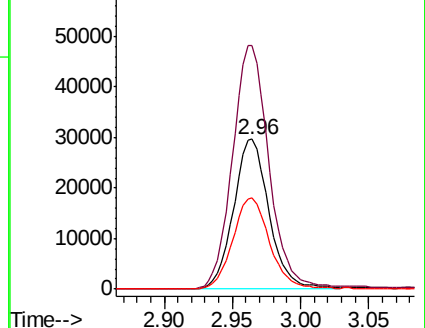
98 60.5 45.4 84.4

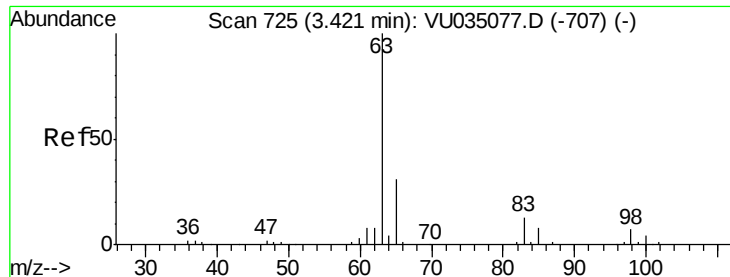


Abundance Ion 96.00 (95.70 to 96.70): VU035077.D (-569) (-)

Ion 61.05 (60.75 to 61.75): VU035077.D (-569) (-)

Ion 97.95 (97.65 to 98.65): VU035077.D (-569) (-)

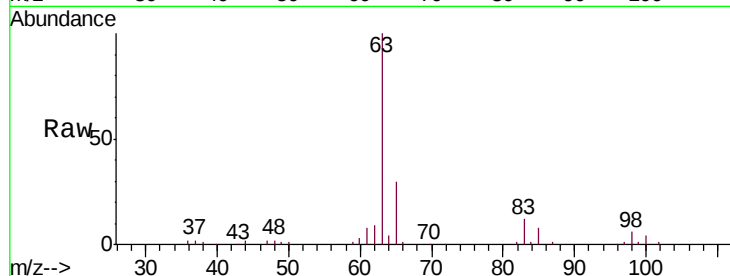




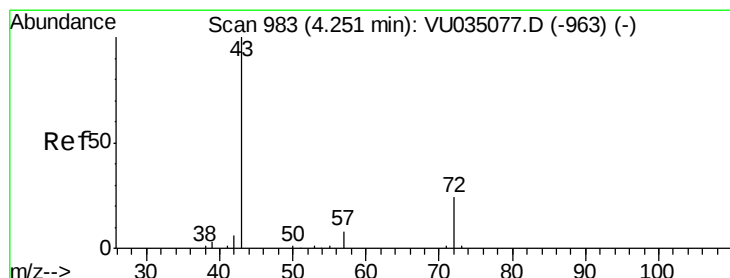
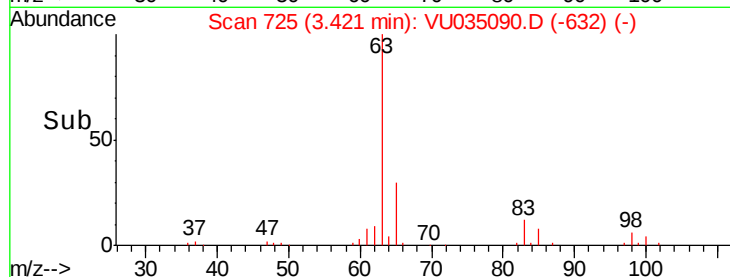
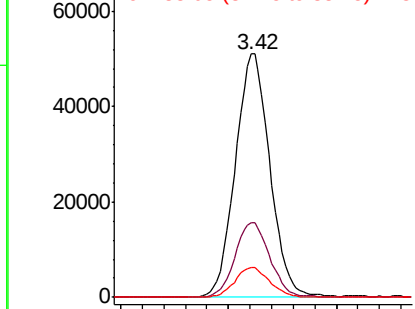
#19
 1,1-Dichloroethane
 Concen: 5.250 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion: 63 Resp: 114088
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.7 40.3
 83 12.2 9.0 16.8

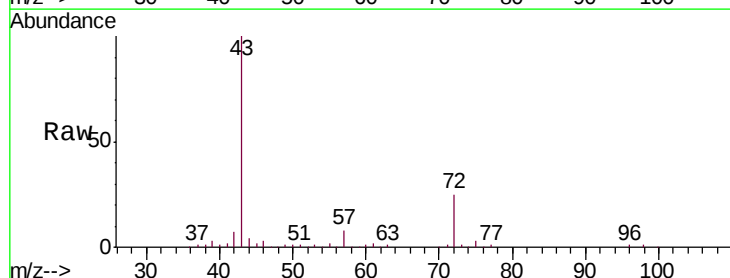


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

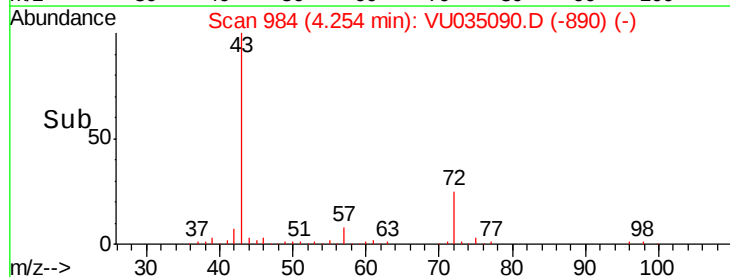
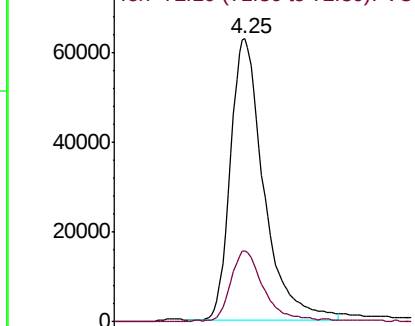


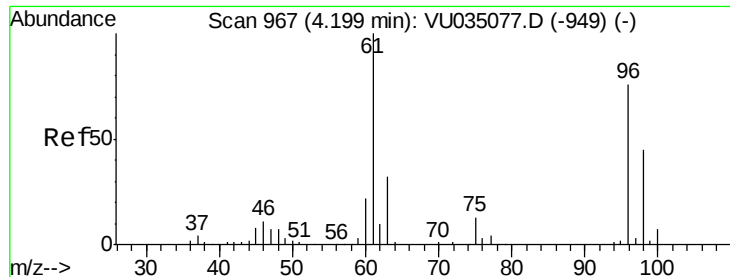
#21
 2-Butanone
 Concen: 51.400 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Tgt Ion: 43 Resp: 165907
 Ion Ratio Lower Upper
 43 100
 72 24.0 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



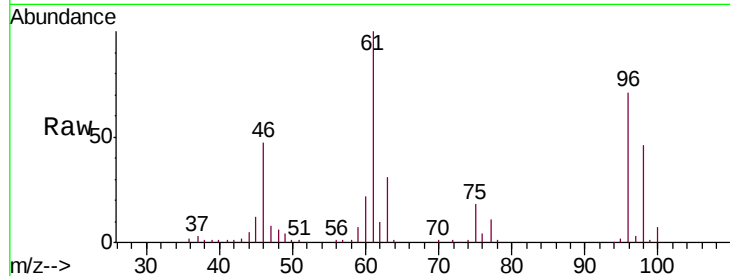


#22

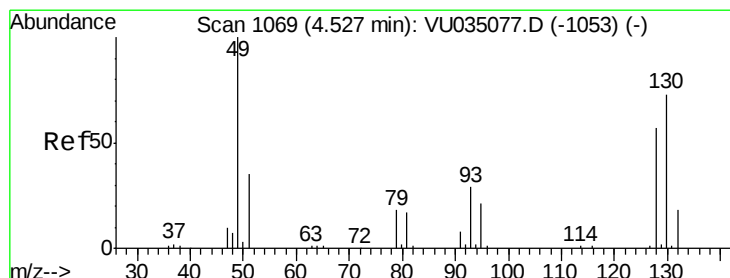
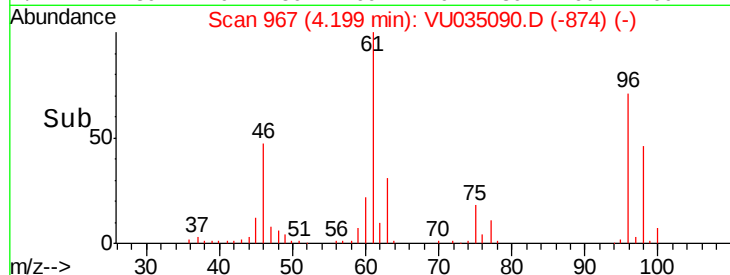
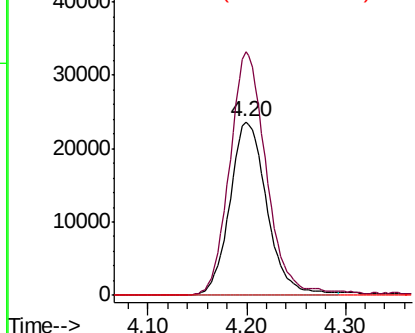
cis-1,2-Dichloroethene
 Concen: 5.075 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion: 96 Resp: 61893
 Ion Ratio Lower Upper
 96 100
 61 140.4 89.2 165.6
 68 0.0 0.0 0.0



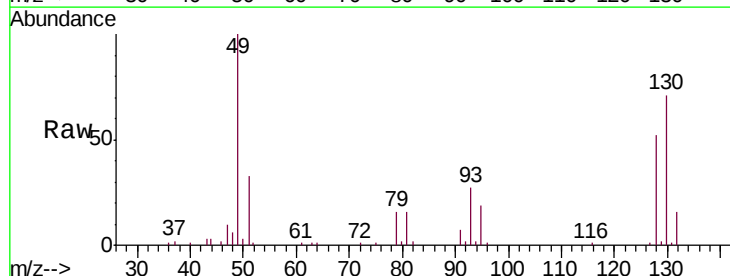
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



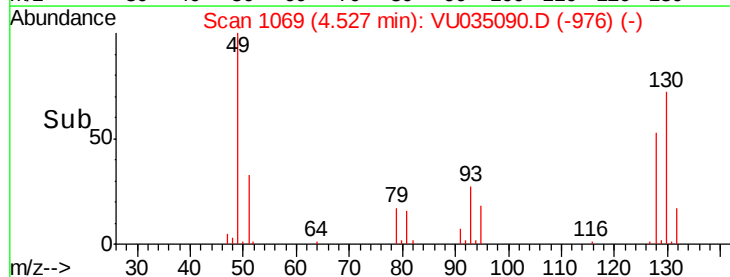
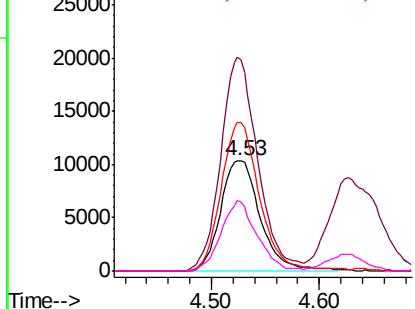
#23

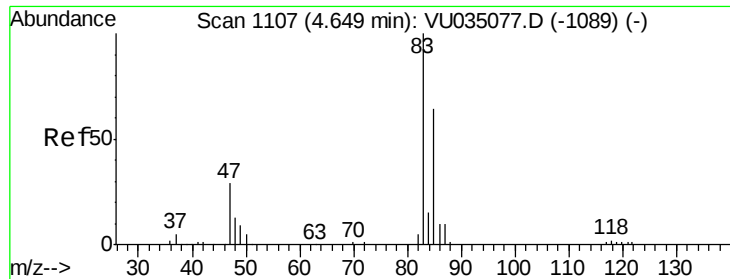
Bromochloromethane
 Concen: 5.185 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Tgt Ion: 128 Resp: 26504
 Ion Ratio Lower Upper
 128 100
 49 190.7 110.5 205.3
 130 134.5 88.6 164.6
 51 63.0 43.2 64.8



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

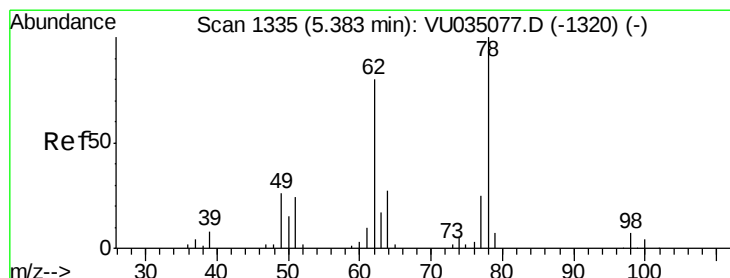
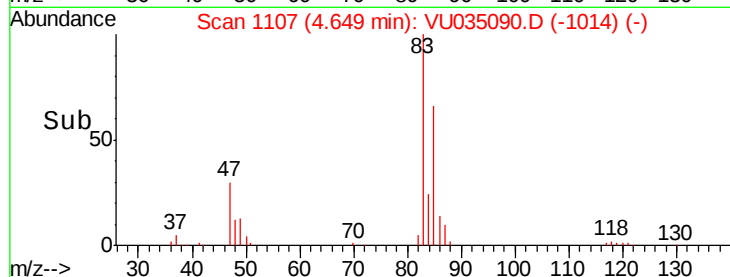
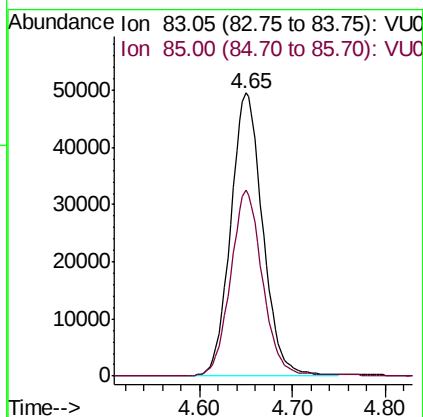
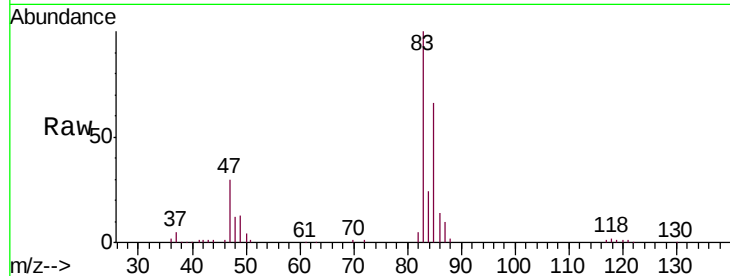




#25
Chloroform
Concen: 4.857 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU035090.D
Acq: 11 Oct 2019 15:12

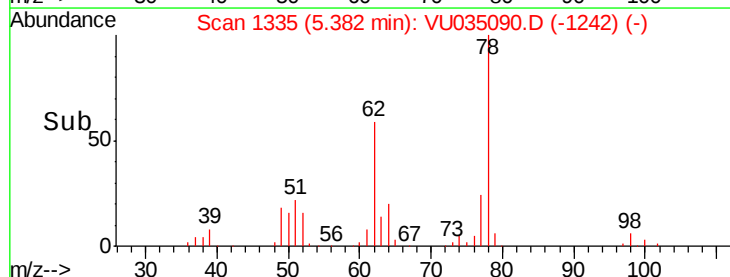
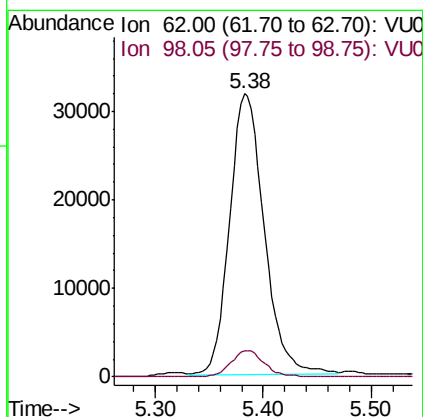
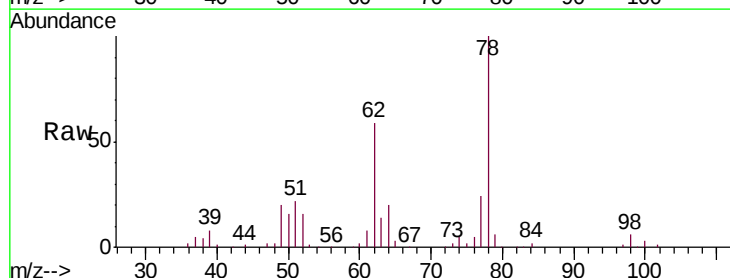
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

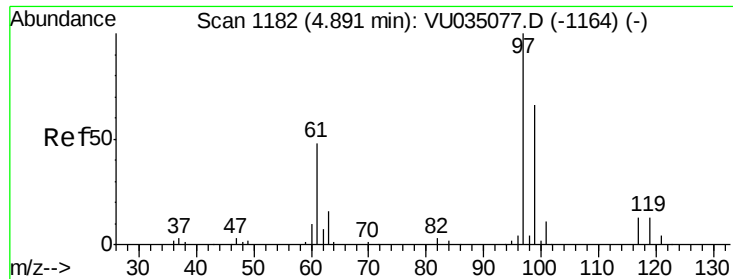
Tgt Ion: 83 Resp: 118586
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.003 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU035090.D
Acq: 11 Oct 2019 15:12

Tgt Ion: 62 Resp: 71346
Ion Ratio Lower Upper
62 100
98 9.4 6.6 10.0

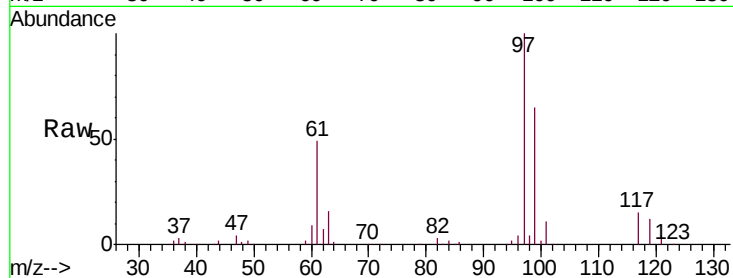




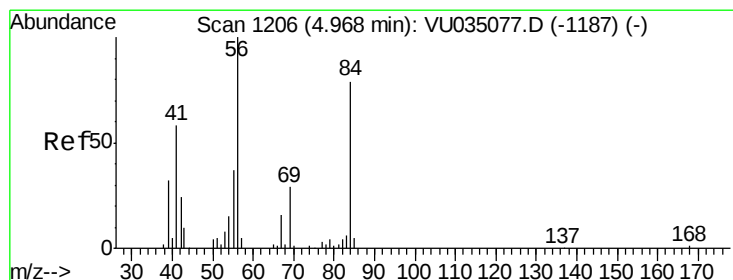
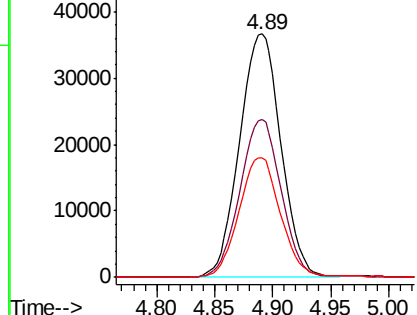
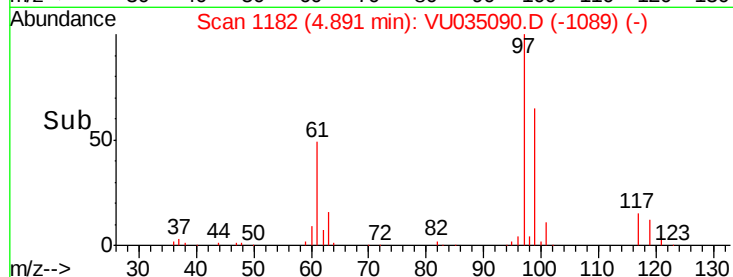
#29
 1,1,1-Trichloroethane
 Concen: 5.006 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00515

Tgt Ion: 97 Resp: 91124
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.6 77.4
 61 49.1 36.2 54.4

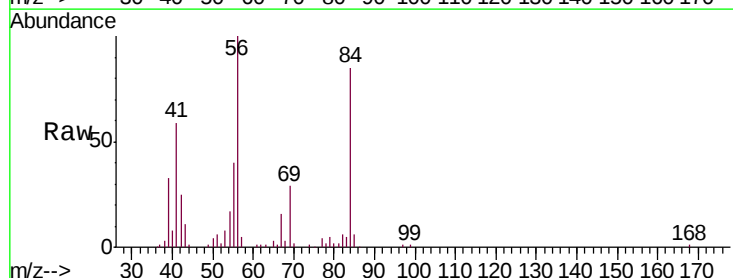


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

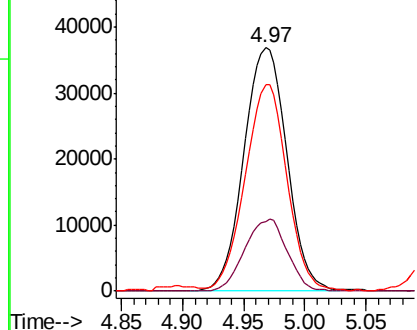
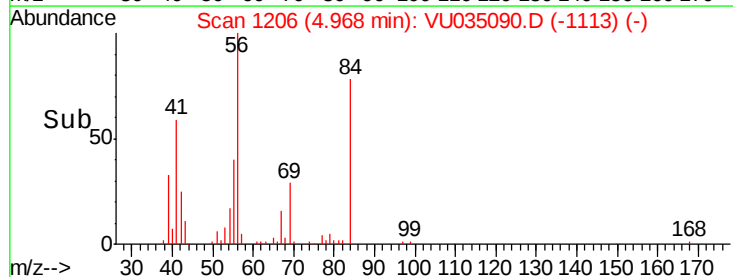


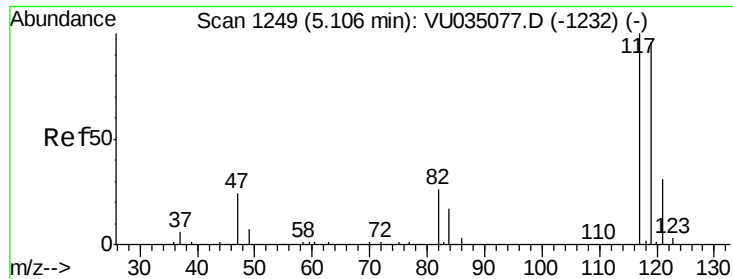
#30
 Cyclohexane
 Concen: 4.502 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Tgt Ion: 56 Resp: 90107
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.9 35.9
 84 81.7 69.5 104.3



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: 4.967 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

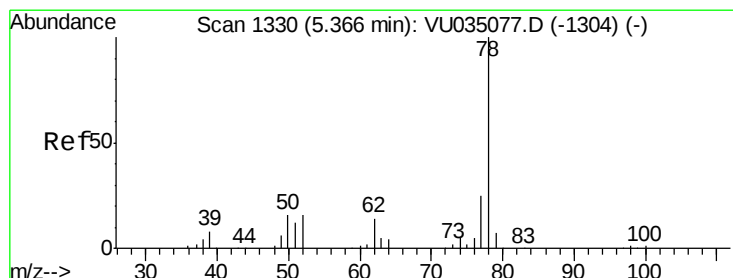
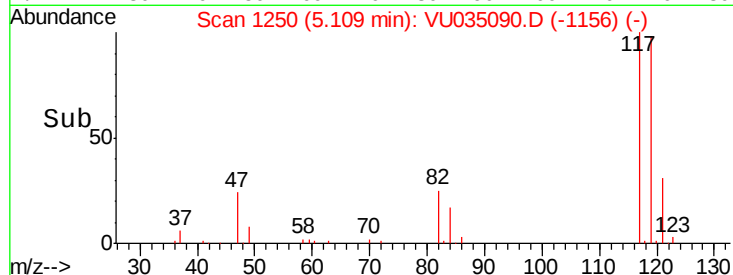
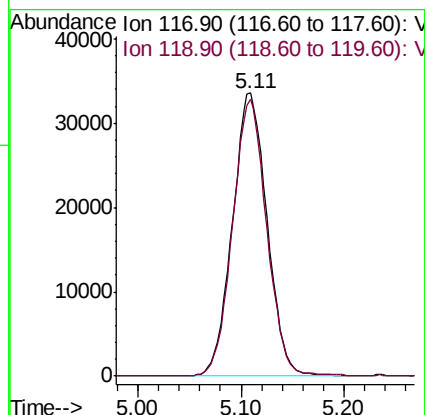
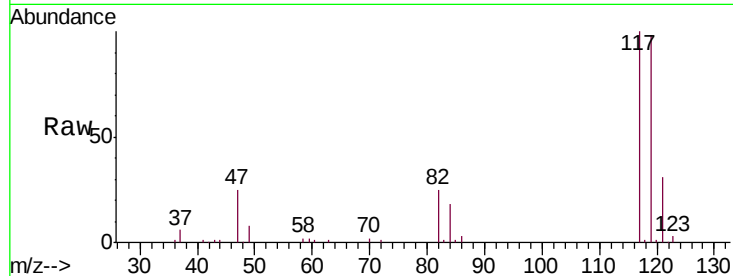
VSTD00515

Tgt Ion:117 Resp: 78395

Ion Ratio Lower Upper

117 100

119 96.1 77.5 116.3



#33

Benzene

Concen: 4.927 ug/L

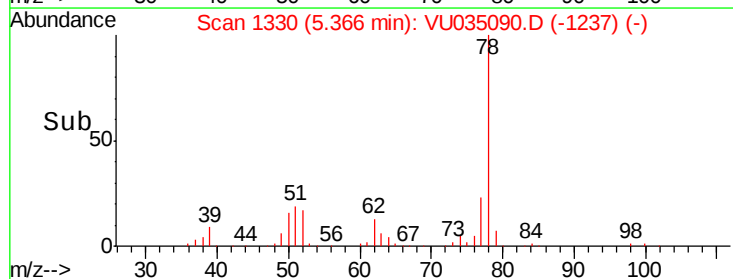
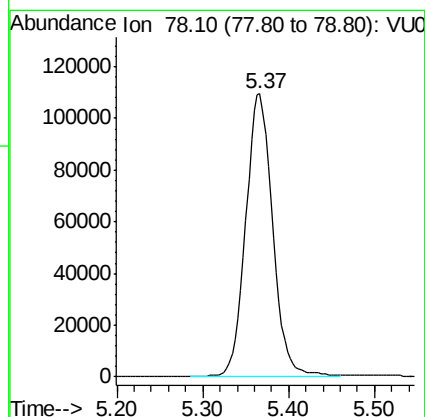
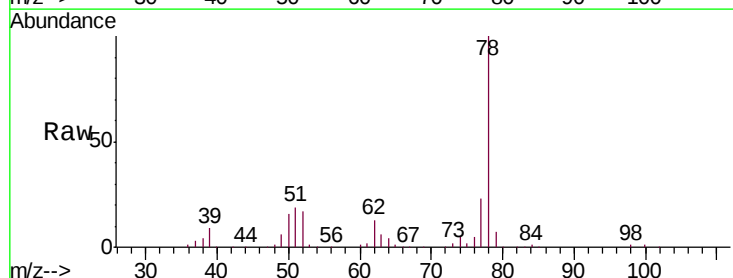
RT: 5.37 min Scan# 1330

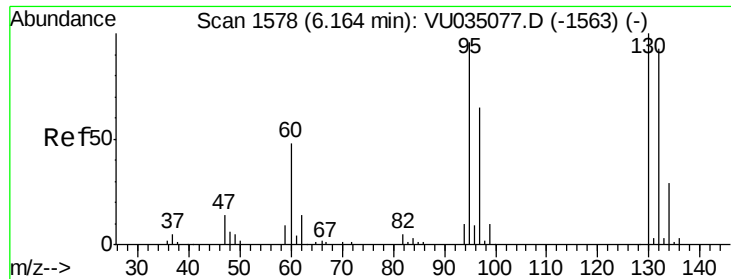
Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Tgt Ion: 78 Resp: 240544





#34

Trichloroethene

Concen: 4.792 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tgt Ion: 95 Resp: 60328

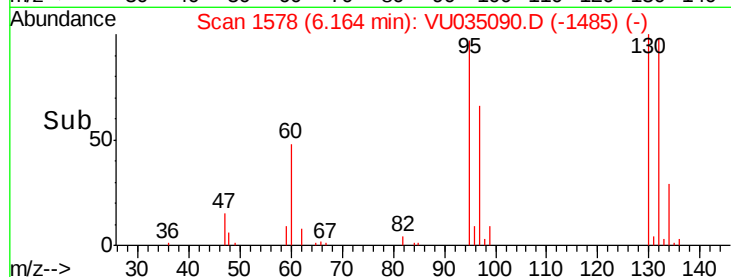
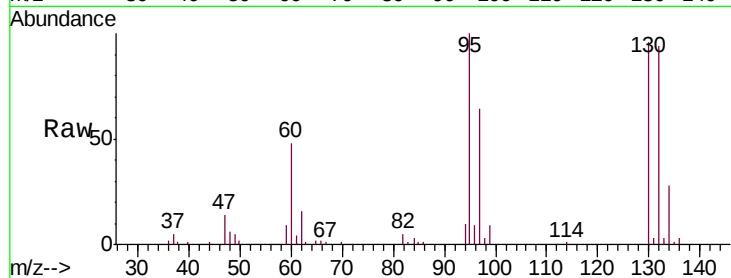
Ion Ratio Lower Upper

95 100

97 63.6 44.5 82.7

132 93.9 66.6 123.8

130 95.8 68.9 127.9

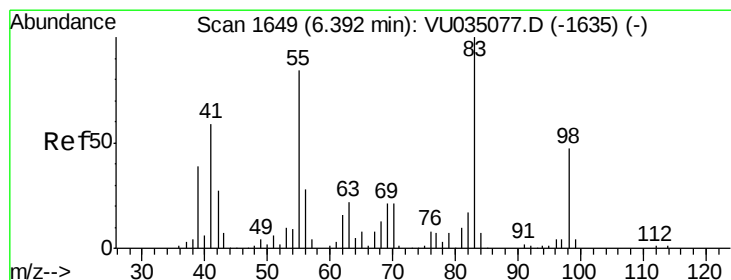
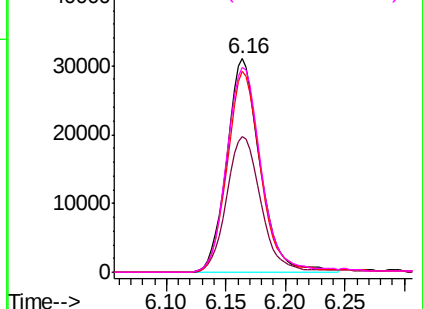


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.408 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

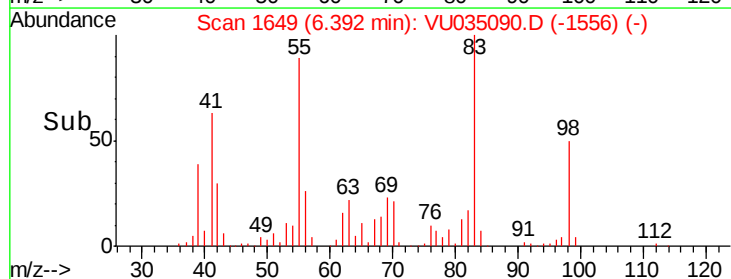
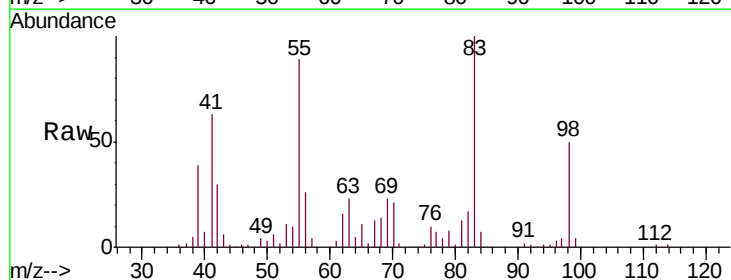
Tgt Ion: 83 Resp: 89876

Ion Ratio Lower Upper

83 100

55 85.8 62.6 94.0

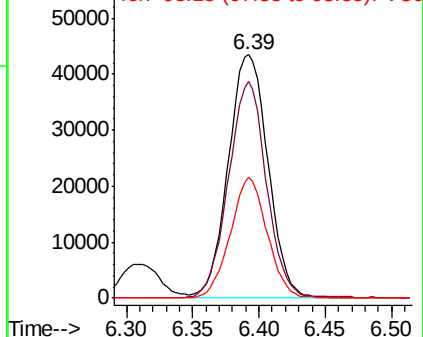
98 46.3 36.2 54.2

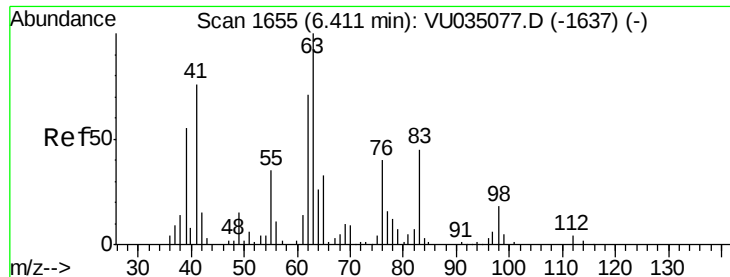


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.083 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

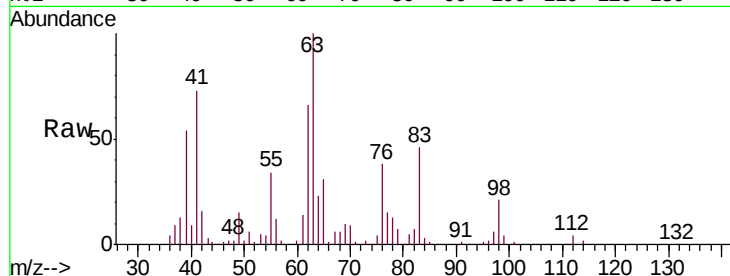
VSTD00515

Tgt Ion: 63 Resp: 66941

Ion Ratio Lower Upper

63 100

112 3.7 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU035077.D (-1637) (-)

Ion 112.10 (111.80 to 112.80): VU035077.D (-1637) (-)

6.41

30000

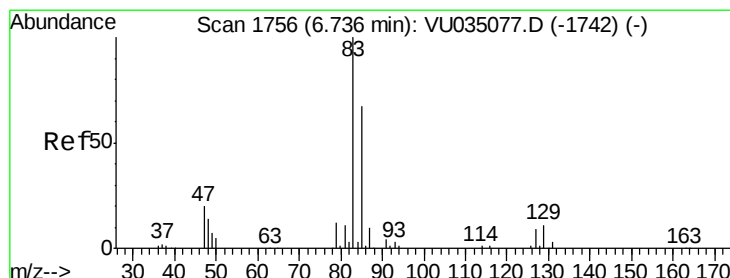
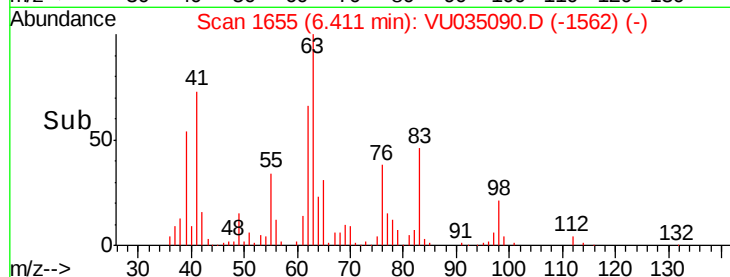
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 5.122 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

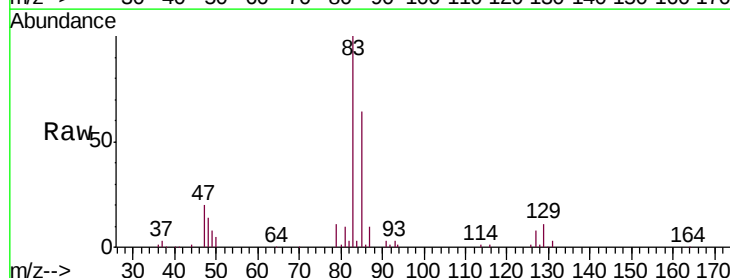
Tgt Ion: 83 Resp: 79068

Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.8

127 8.0 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU035077.D (-1742) (-)

Ion 85.00 (84.70 to 85.70): VU035077.D (-1742) (-)

Ion 126.90 (126.60 to 127.60): VU035077.D (-1742) (-)

6.74

50000

40000

30000

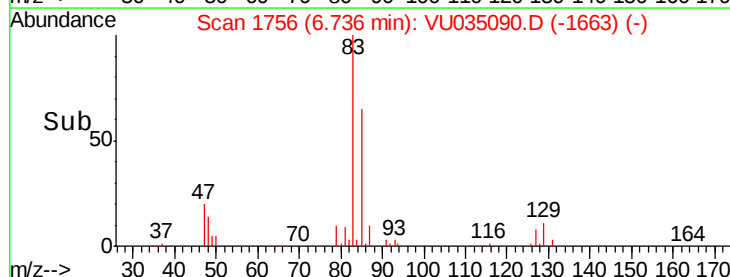
20000

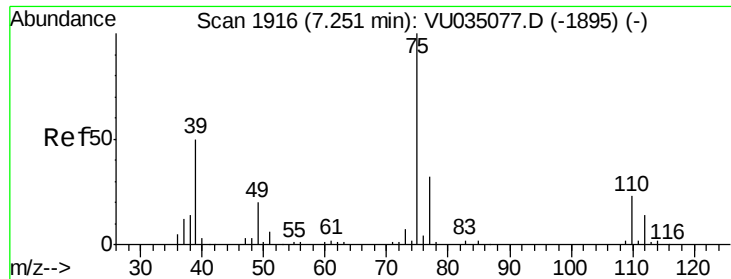
10000

0

6.70 6.80

Time-->

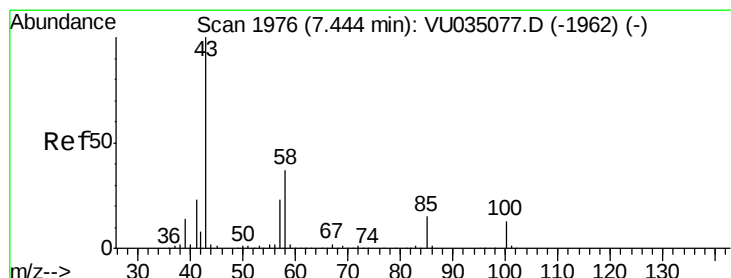
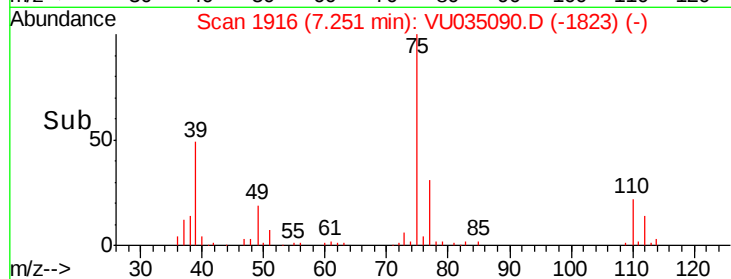
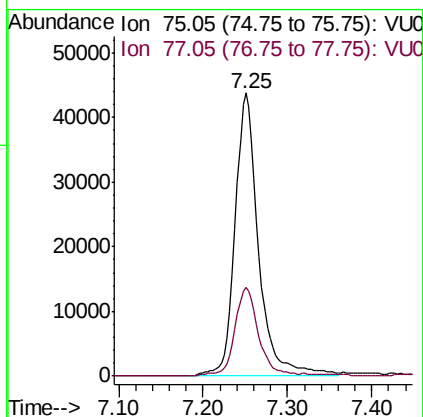
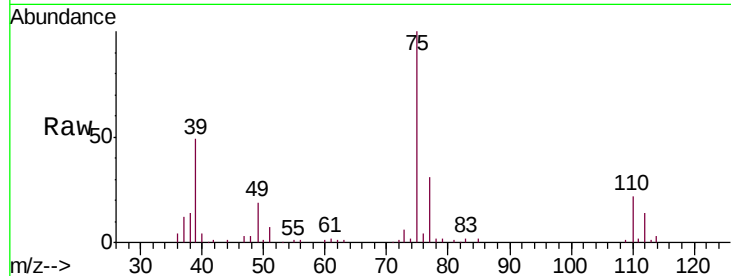




#39
 cis-1,3-Dichloropropene
 Concen: 4.795 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

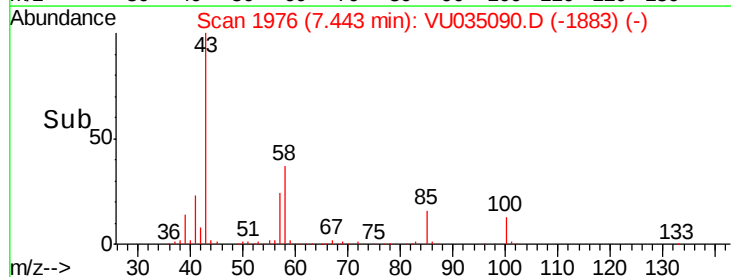
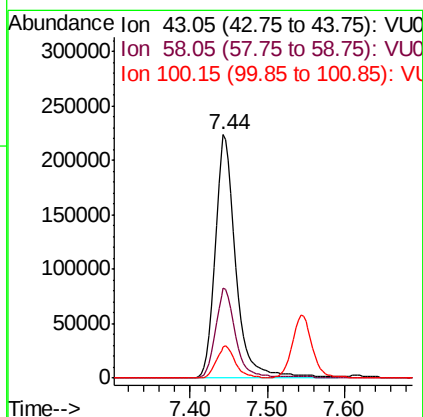
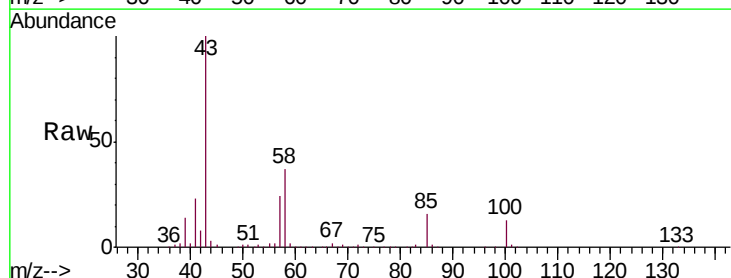
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

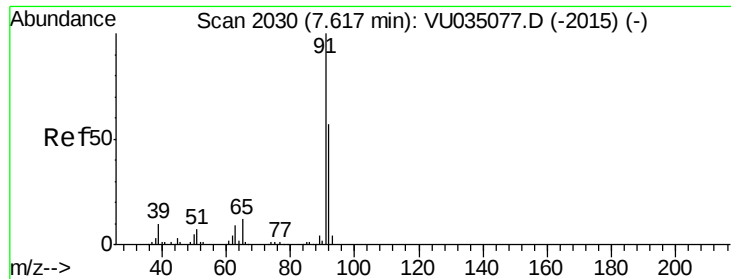
Tgt Ion: 75 Resp: 85531
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 50.975 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Tgt Ion: 43 Resp: 422474
 Ion Ratio Lower Upper
 43 100
 58 36.0 32.4 48.6
 100 12.3 11.9 17.9





#42

Toluene

Concen: 5.115 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

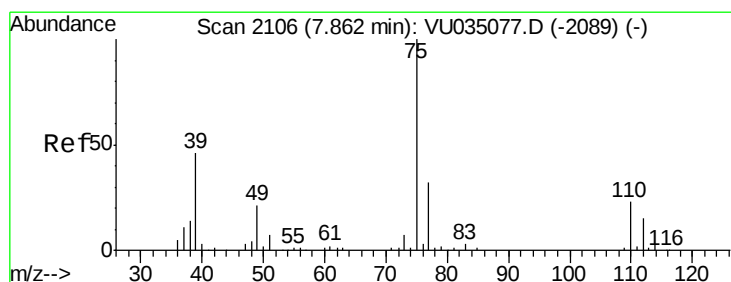
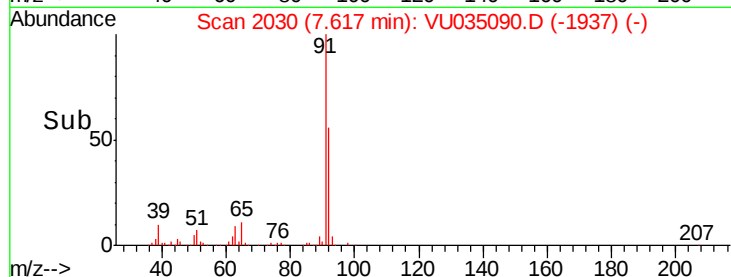
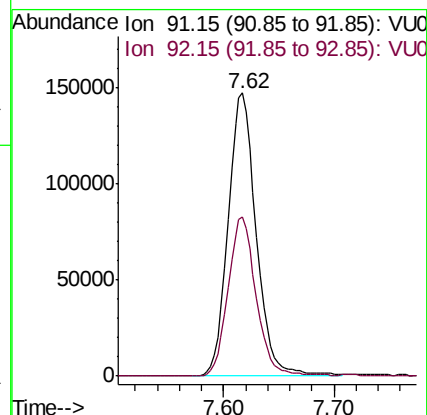
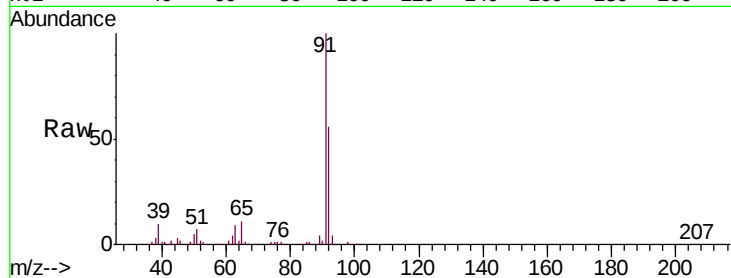
VSTD00515

Tgt Ion: 91 Resp: 260634

Ion Ratio Lower Upper

91 100

92 56.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 4.892 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU035090.D

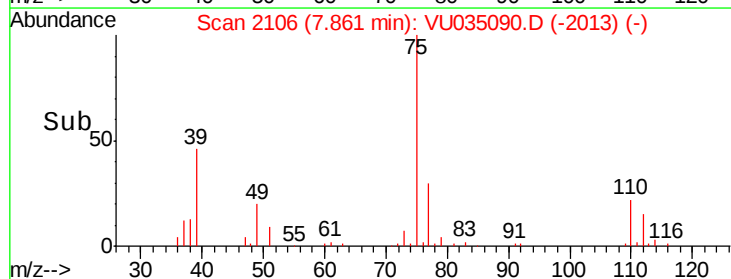
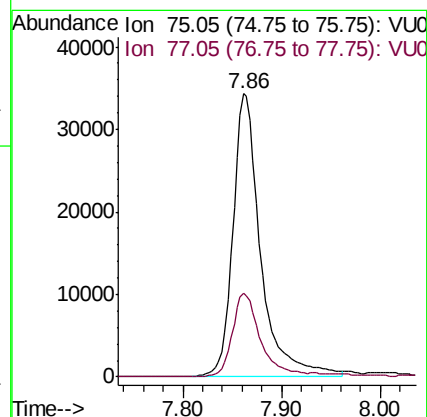
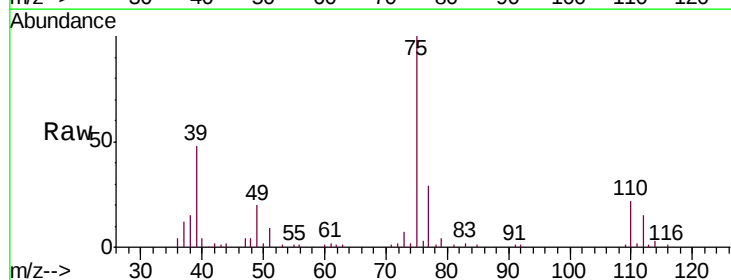
Acq: 11 Oct 2019 15:12

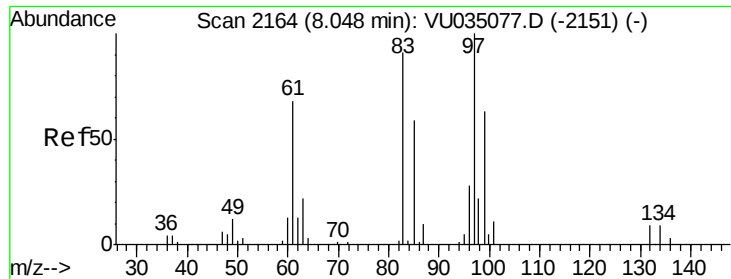
Tgt Ion: 75 Resp: 67590

Ion Ratio Lower Upper

75 100

77 29.5 21.6 40.0

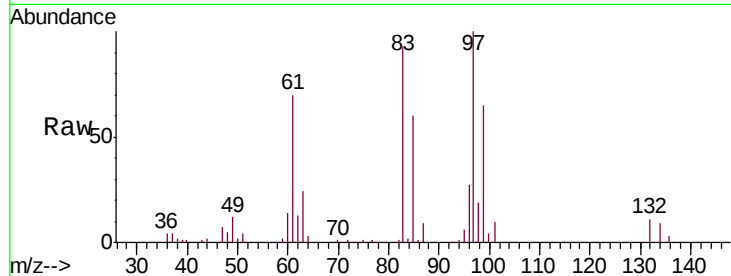




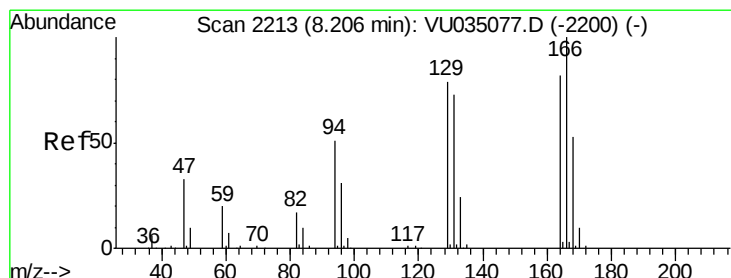
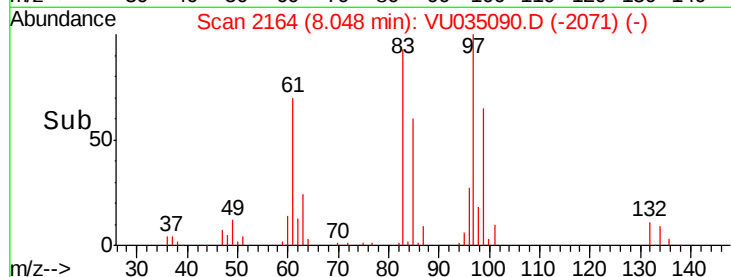
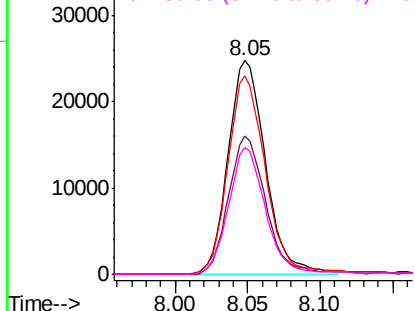
#45
 1,1,2-Trichloroethane
 Concen: 5.091 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:	97	Resp:	44514
Ion	Ratio	Lower	Upper
97	100		
99	64.7	42.3	78.5
83	92.7	58.0	107.6
85	59.6	37.8	70.2

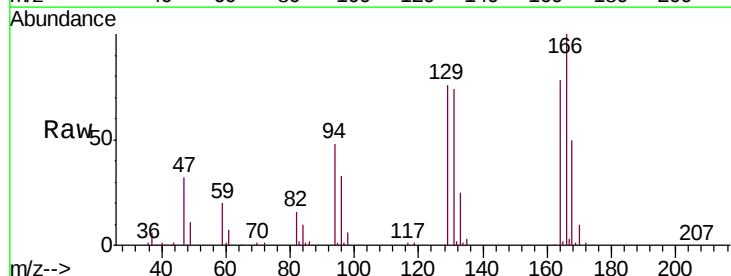


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

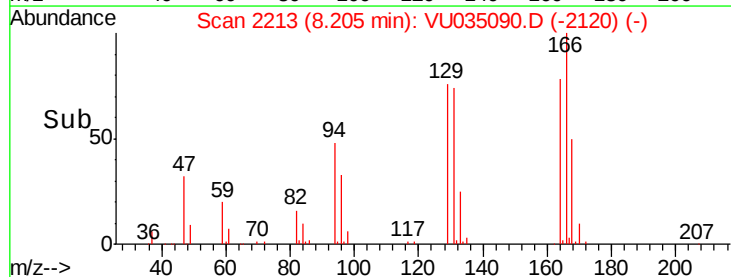
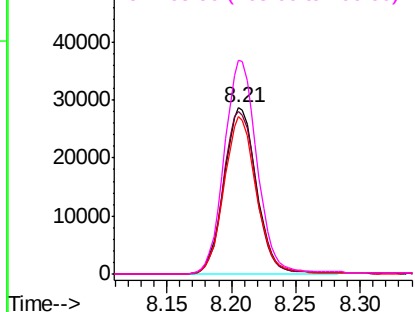


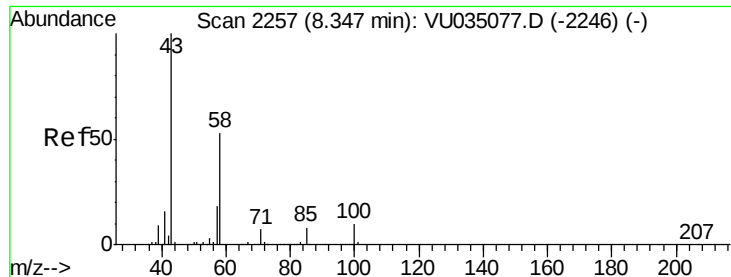
#47
 Tetrachloroethene
 Concen: 4.965 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Tgt Ion:	164	Resp:	50601
Ion	Ratio	Lower	Upper
164	100		
129	98.0	68.5	127.1
131	94.8	67.3	124.9
166	128.5	93.1	172.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

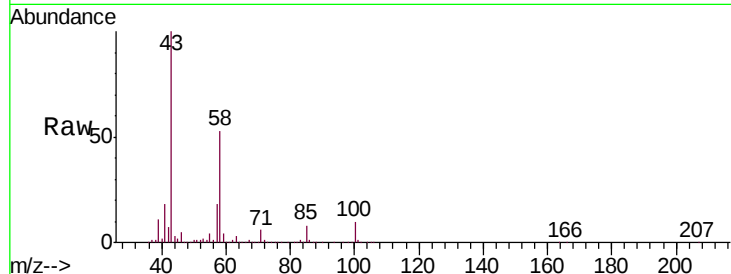




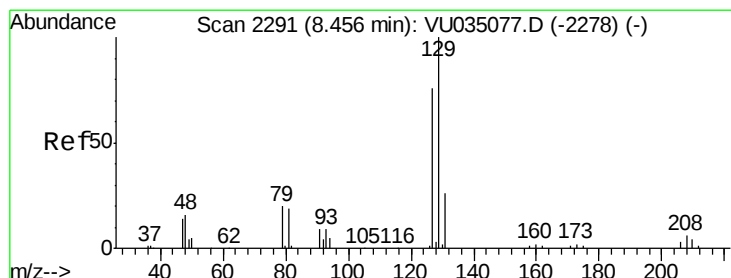
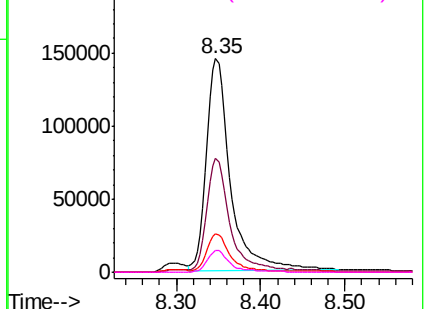
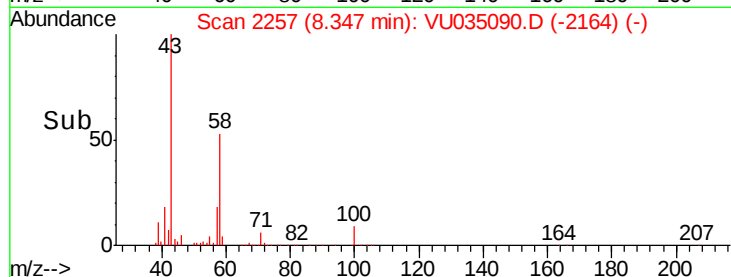
#48
2-Hexanone
Concen: 50.970 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU035090.D
Acq: 11 Oct 2019 15:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion: 43 Resp: 289636
Ion Ratio Lower Upper
43 100
58 51.9 44.1 66.1
57 17.0 15.8 23.8
100 9.9 9.4 14.2

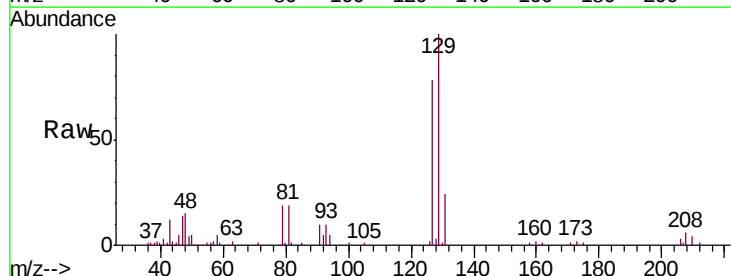


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

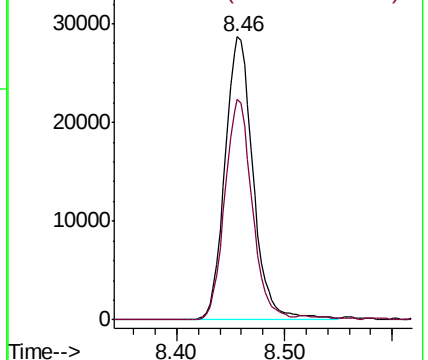
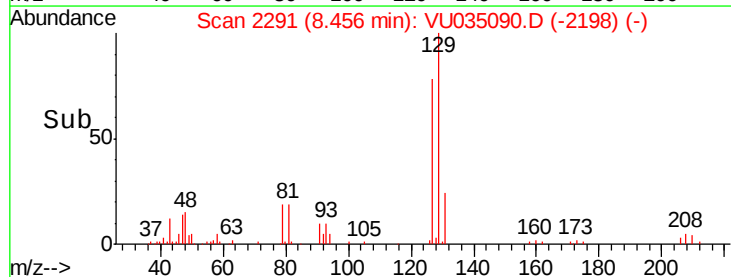


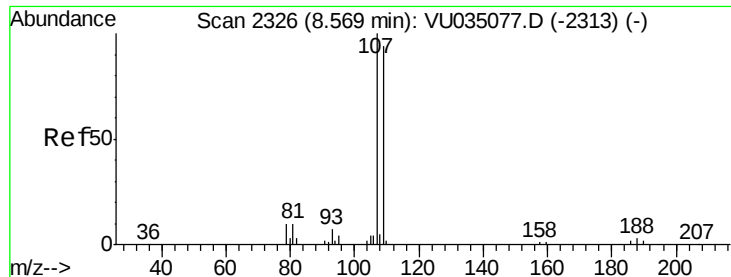
#49
Dibromochloromethane
Concen: 5.184 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU035090.D
Acq: 11 Oct 2019 15:12

Tgt Ion: 129 Resp: 52393
Ion Ratio Lower Upper
129 100
127 78.2 51.9 96.5



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

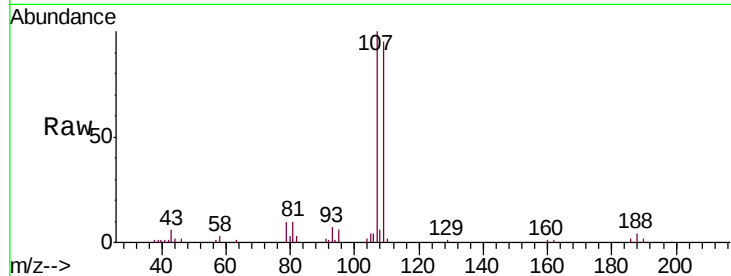




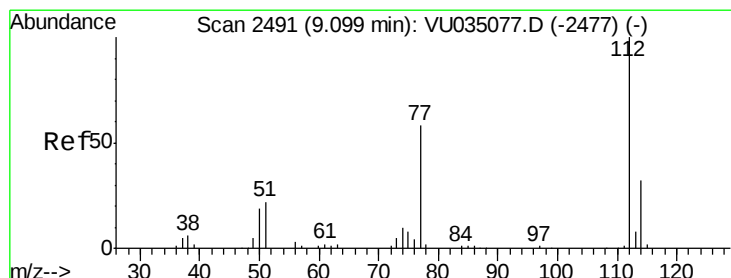
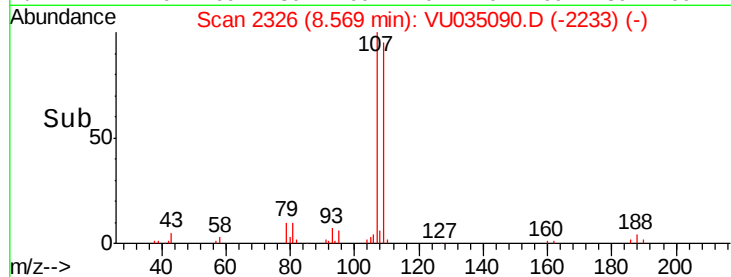
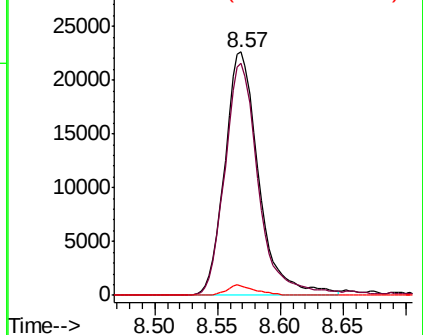
#50
1,2-Dibromoethane
Concen: 5.092 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU035090.D
Acq: 11 Oct 2019 15:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion:107 Resp: 42548
Ion Ratio Lower Upper
107 100
109 95.2 64.8 120.4
188 4.0 3.0 4.6

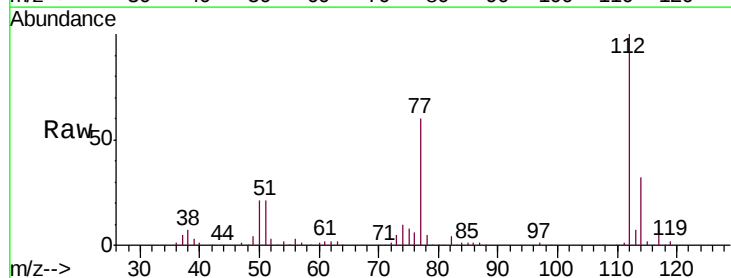


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

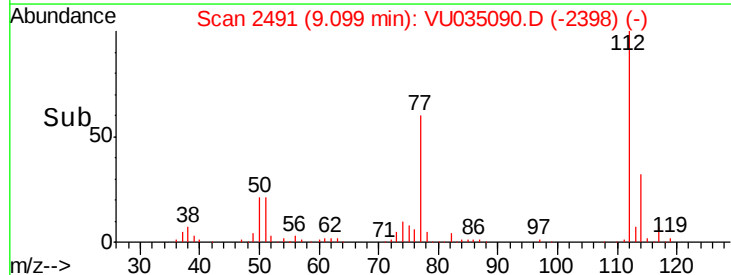
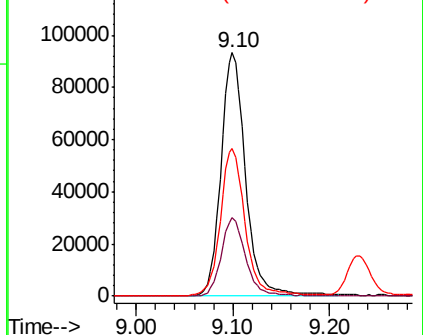


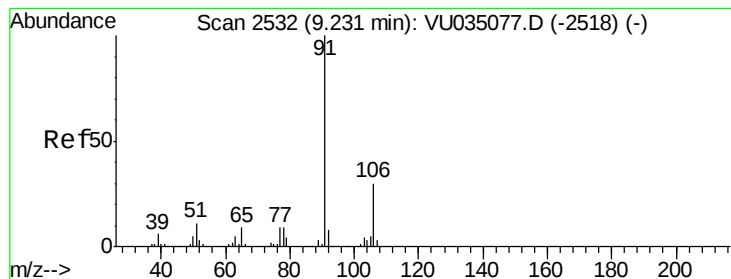
#51
Chlorobenzene
Concen: 5.006 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU035090.D
Acq: 11 Oct 2019 15:12

Tgt Ion:112 Resp: 165305
Ion Ratio Lower Upper
112 100
114 32.1 22.1 41.1
77 60.4 46.9 70.3



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: 4.844 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

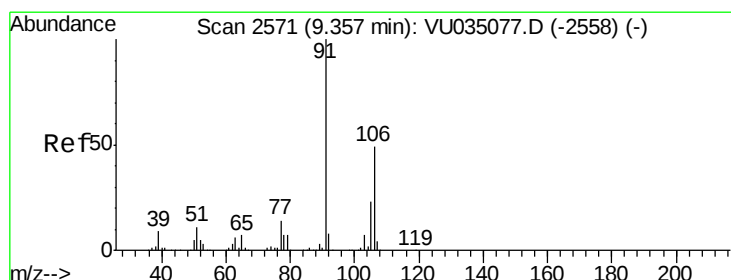
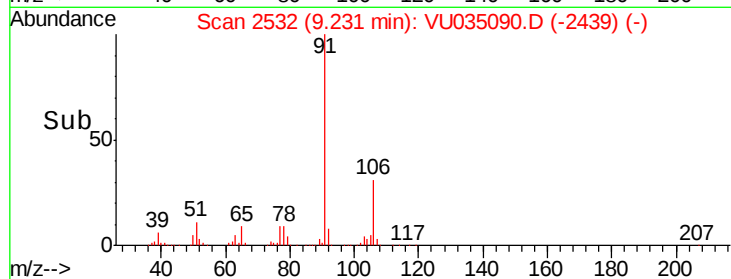
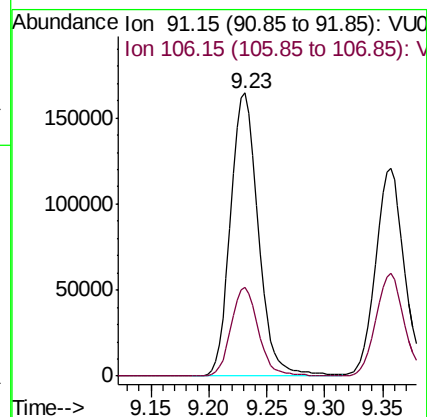
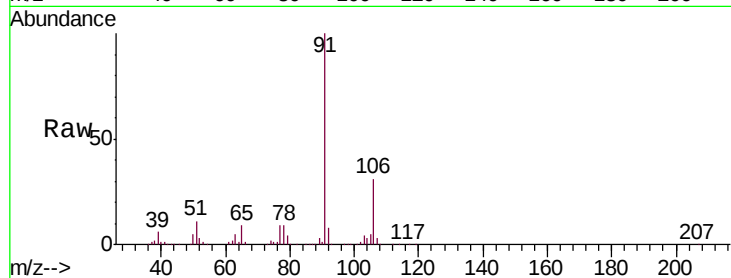
VSTD00515

Tgt Ion: 91 Resp: 272596

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



#53

m,p-Xylene

Concen: 4.908 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU035090.D

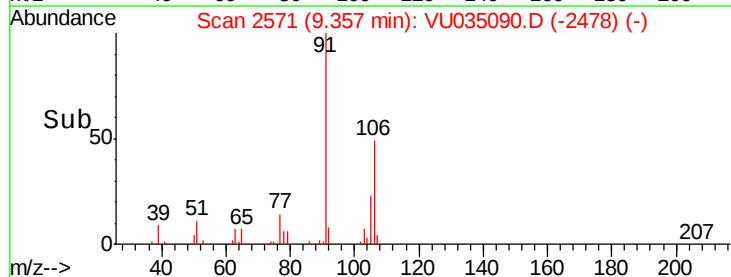
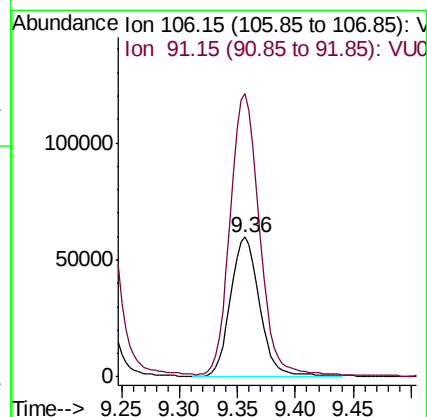
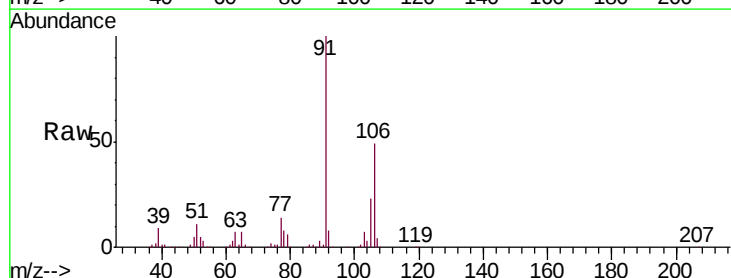
Acq: 11 Oct 2019 15:12

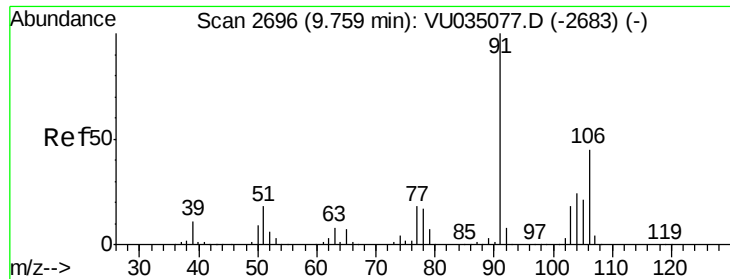
Tgt Ion: 106 Resp: 102042

Ion Ratio Lower Upper

106 100

91 203.0 147.6 274.0

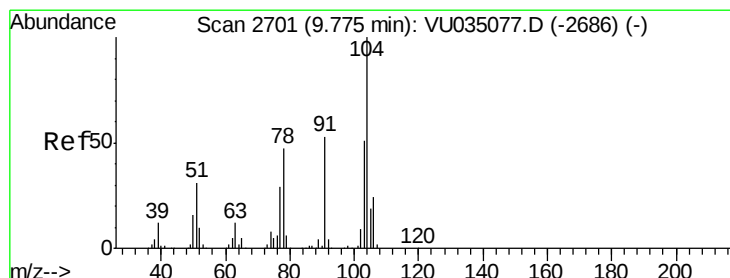
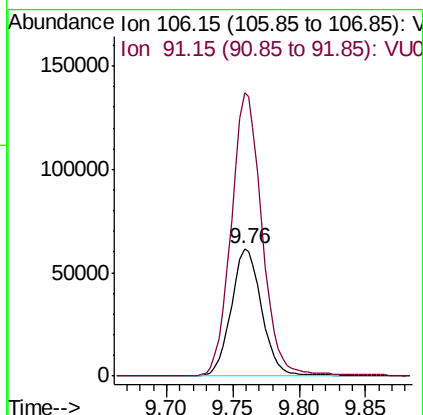
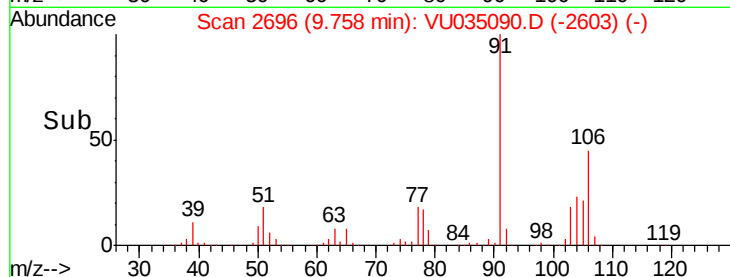
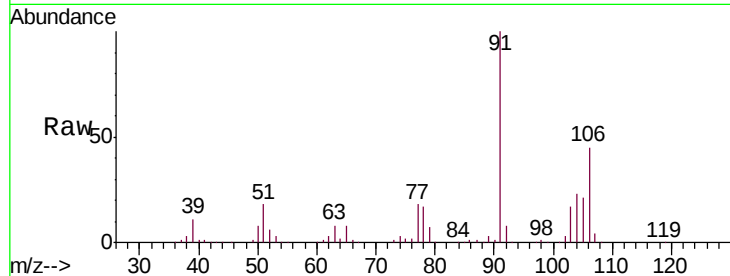




#54
o-Xylene
Concen: 4.869 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU035090.D
Acq: 11 Oct 2019 15:12

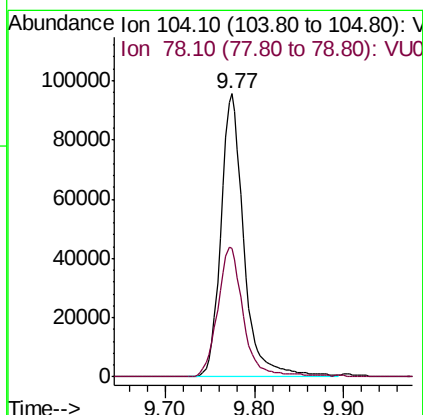
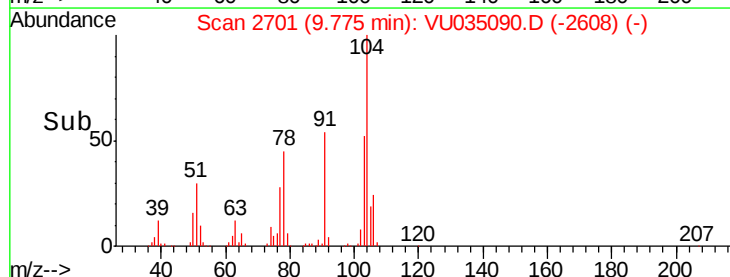
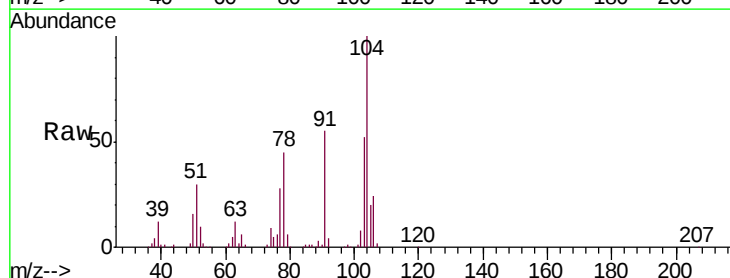
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

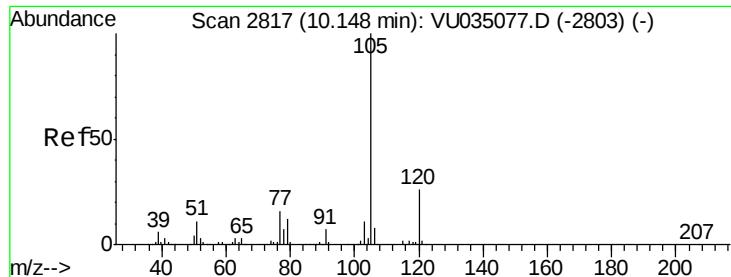
Tgt Ion:106 Resp: 98998
Ion Ratio Lower Upper
106 100
91 222.1 148.5 275.7



#55
Styrene
Concen: 5.190 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU035090.D
Acq: 11 Oct 2019 15:12

Tgt Ion:104 Resp: 170877
Ion Ratio Lower Upper
104 100
78 45.4 32.8 60.8





#56

Isopropylbenzene

Concen: 4.939 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

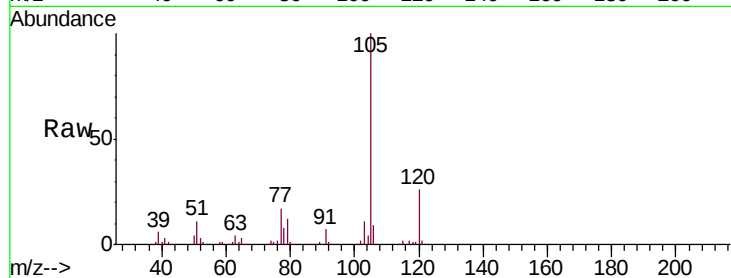
Tgt Ion: 105 Resp: 267526

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

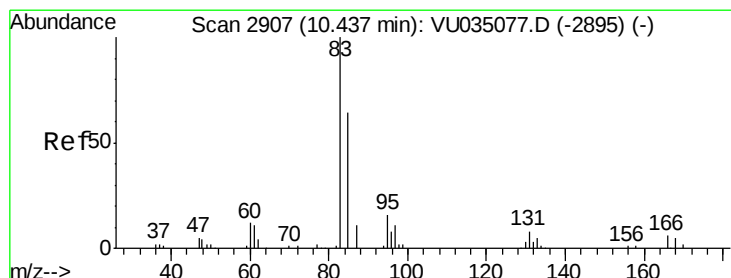
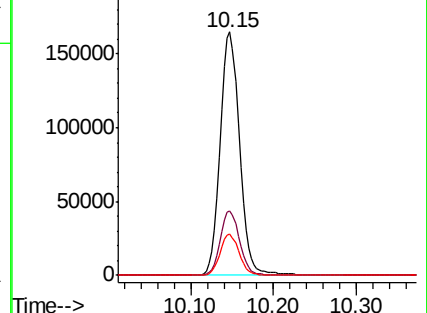
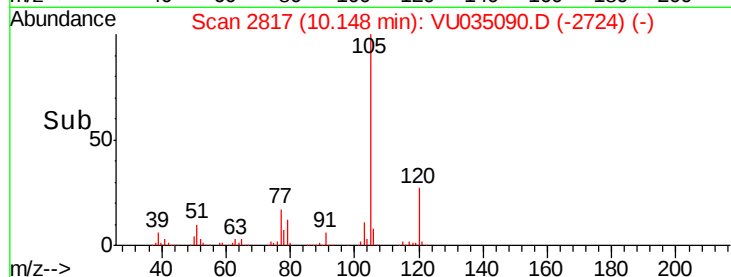
77 16.7 13.0 19.4



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: 5.189 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

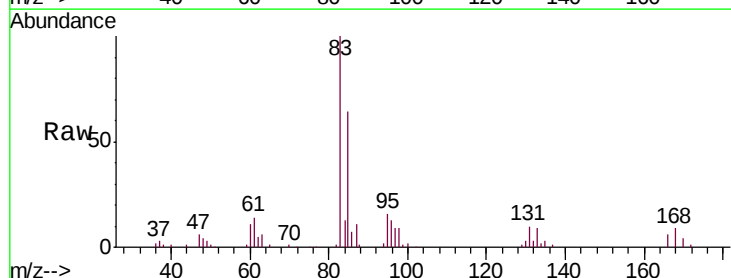
Tgt Ion: 83 Resp: 61698

Ion Ratio Lower Upper

83 100

85 64.1 44.6 82.8

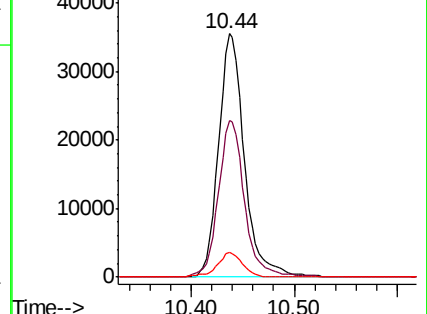
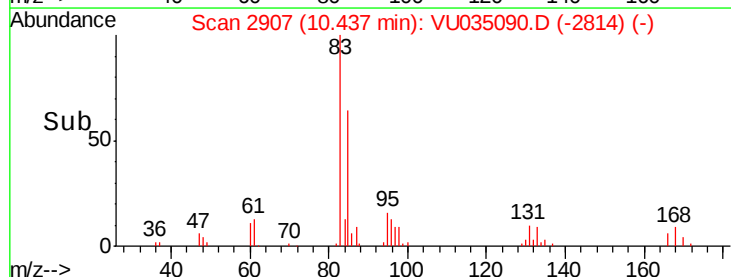
131 10.2 7.4 11.2

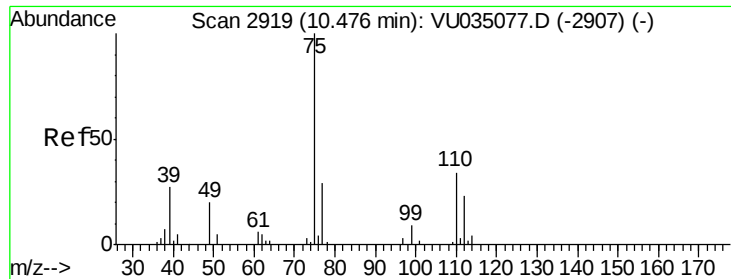


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.086 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

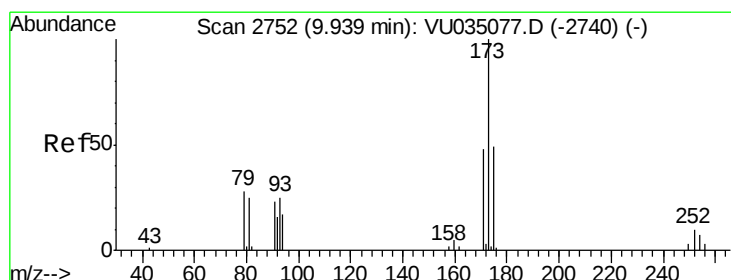
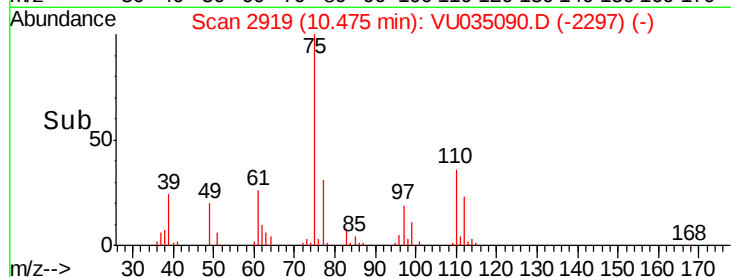
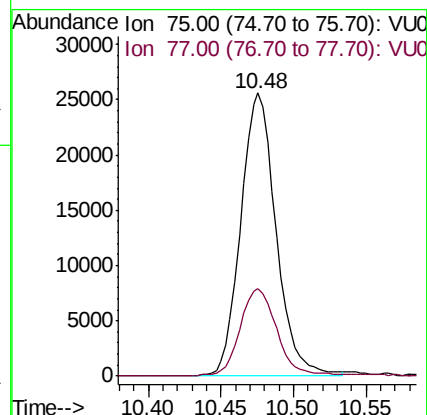
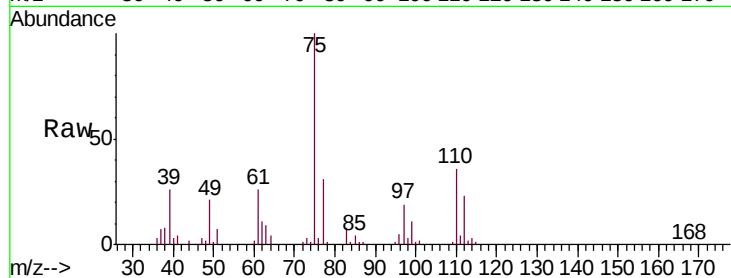
VSTD00515

Tgt Ion: 75 Resp: 43354

Ion Ratio Lower Upper

75 100

77 32.4 26.5 39.7



#61

Bromoform

Concen: 5.109 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

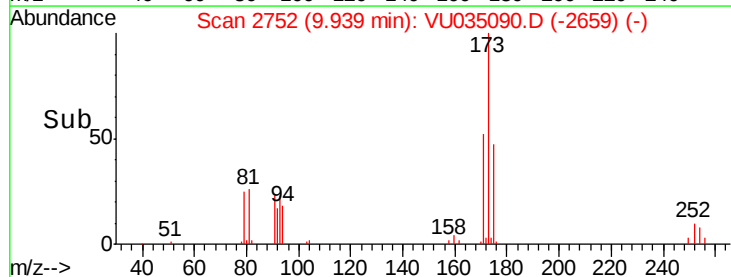
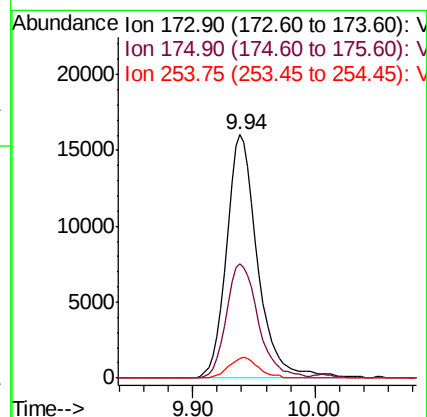
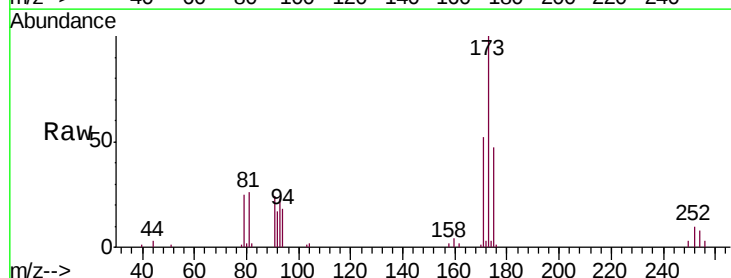
Tgt Ion: 173 Resp: 28621

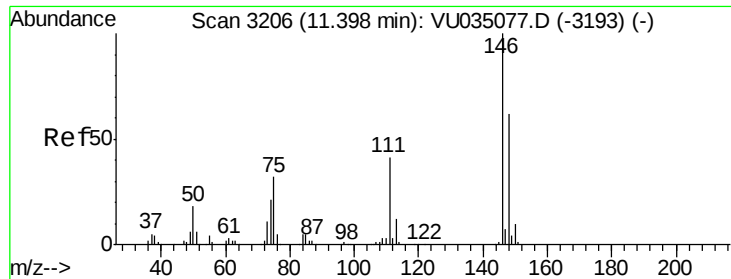
Ion Ratio Lower Upper

173 100

175 48.2 37.2 55.8

254 8.1 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 4.903 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

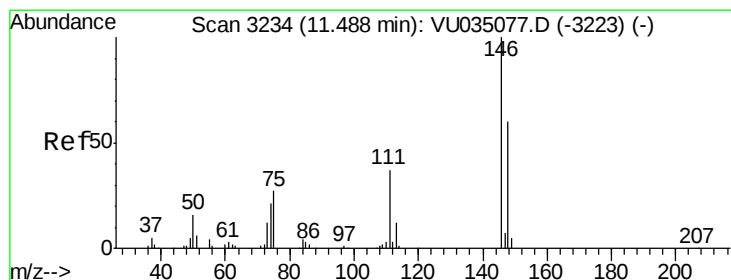
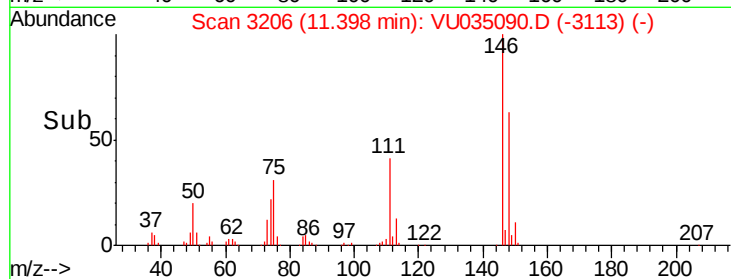
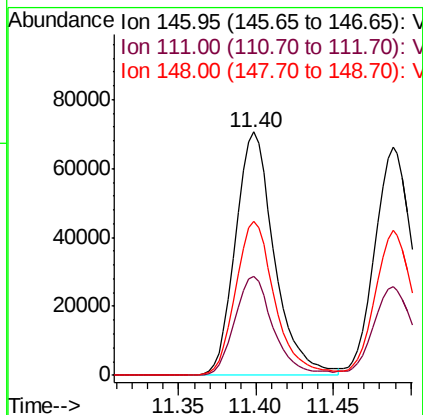
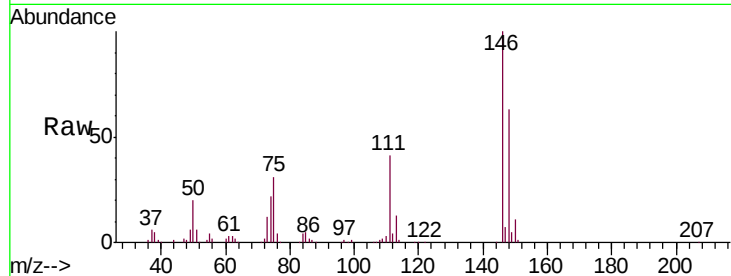
Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tgt Ion:	146	Resp:	123367
Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.6	53.2
148	63.4	45.0	83.6



#63

1,4-Dichlorobenzene

Concen: 4.806 ug/L

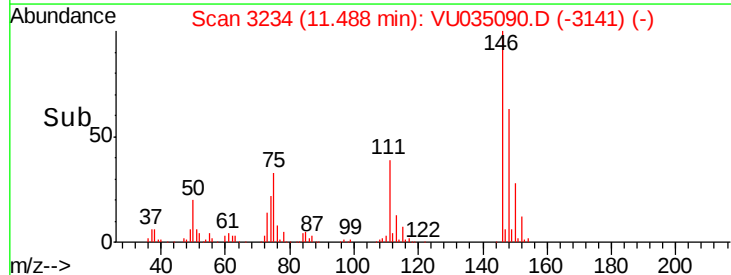
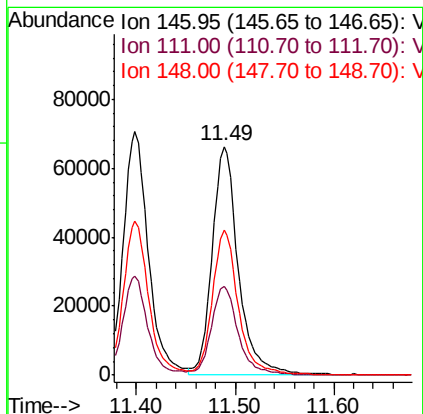
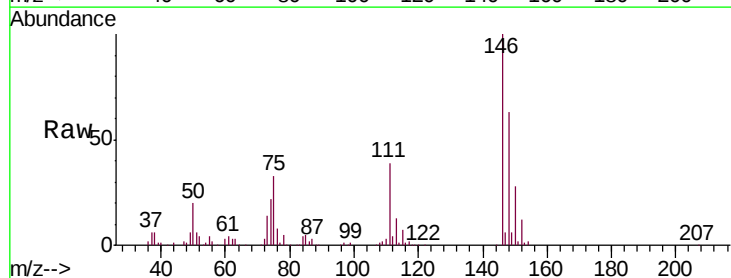
RT: 11.49 min Scan# 3234

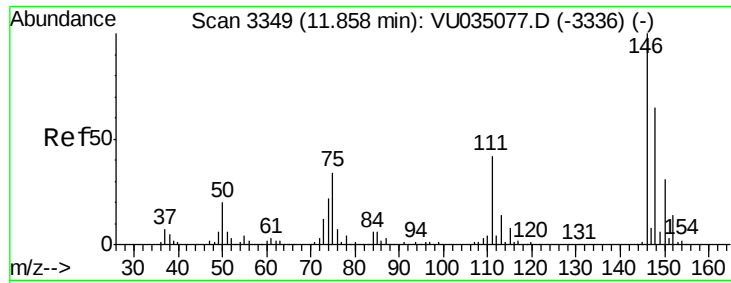
Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Tgt Ion:	146	Resp:	122030
Ion	Ratio	Lower	Upper
146	100		
111	38.8	27.9	51.7
148	63.4	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 4.857 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

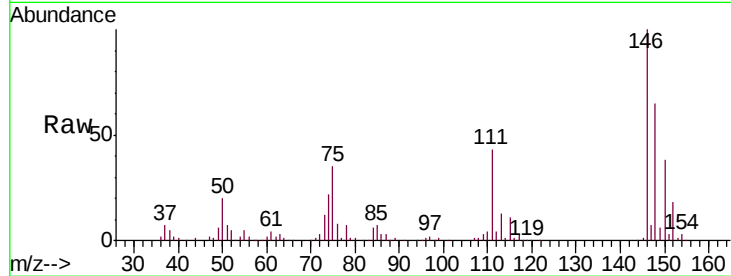
Tgt Ion:146 Resp: 117932

Ion Ratio Lower Upper

146 100

111 42.8 34.2 51.4

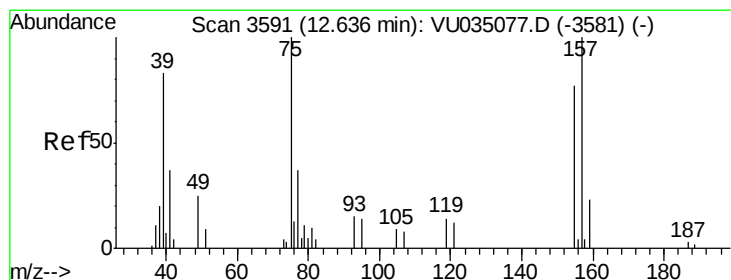
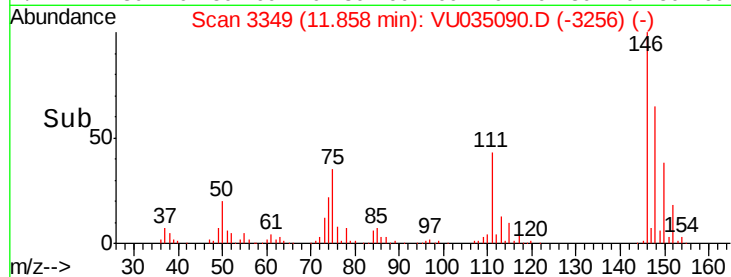
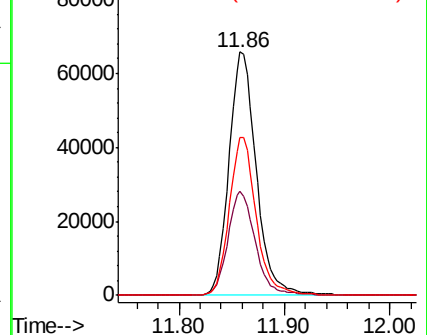
148 64.8 52.0 78.0



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: 4.941 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

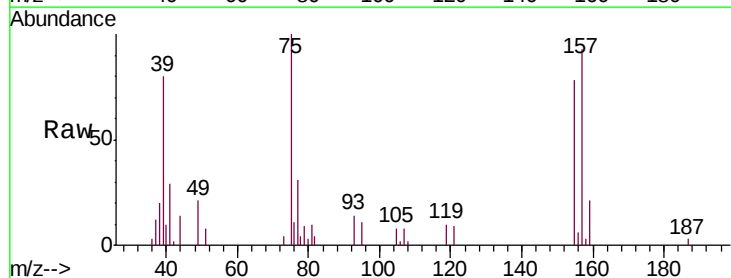
Tgt Ion: 75 Resp: 7623

Ion Ratio Lower Upper

75 100

155 77.7 67.1 100.7

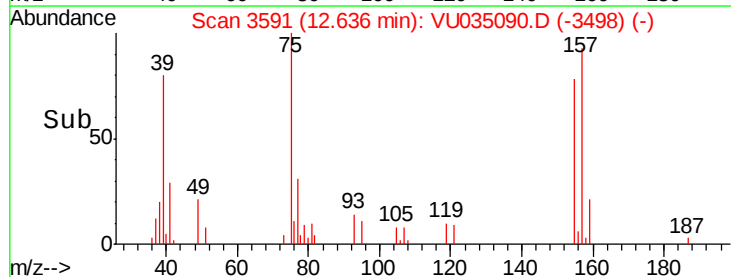
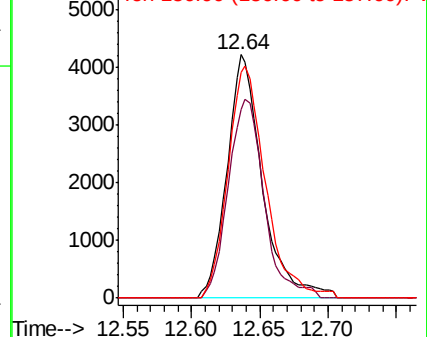
157 92.6 83.7 125.5

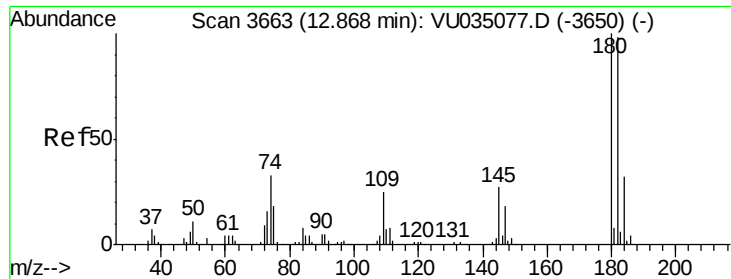


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

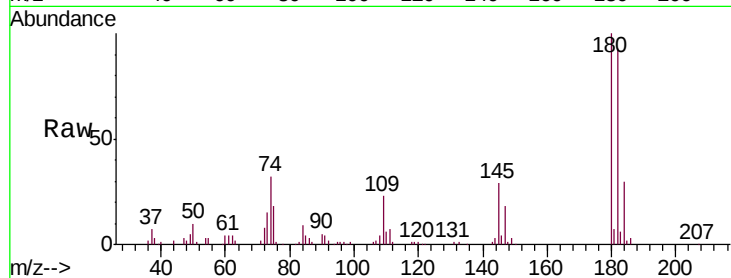




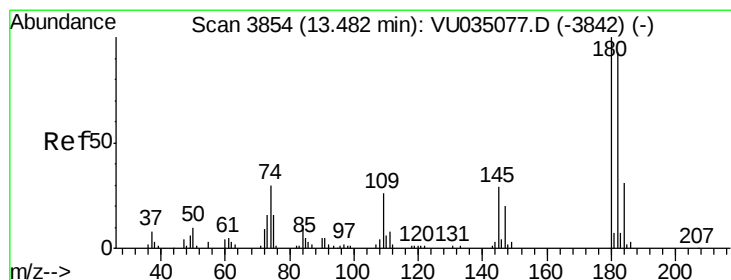
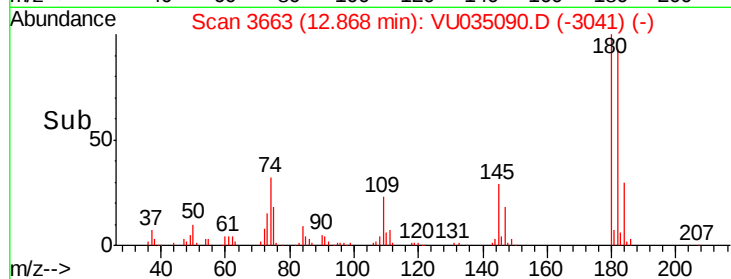
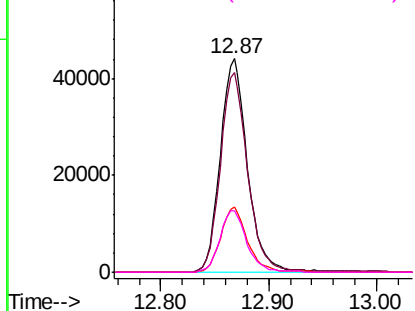
#67
 1,3,5-Trichlorobenzene
 Concen: 4.534 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:	180	Resp:	77248
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
184	29.6	24.2	36.2
145	28.5	24.6	37.0

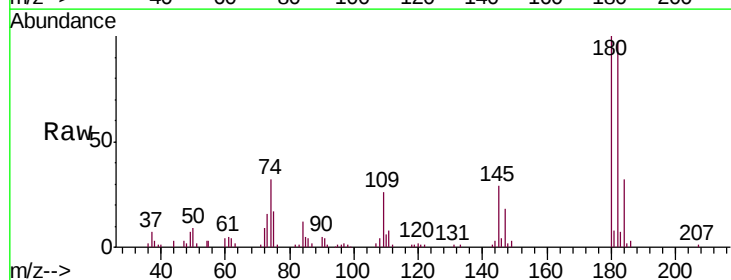


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

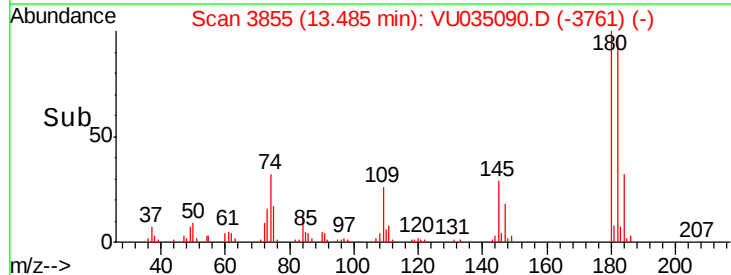
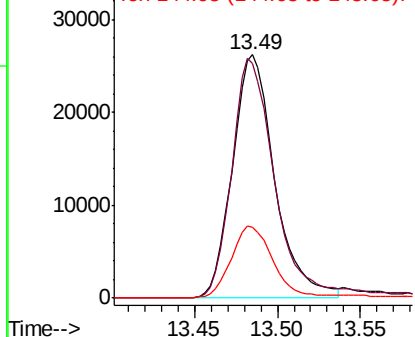


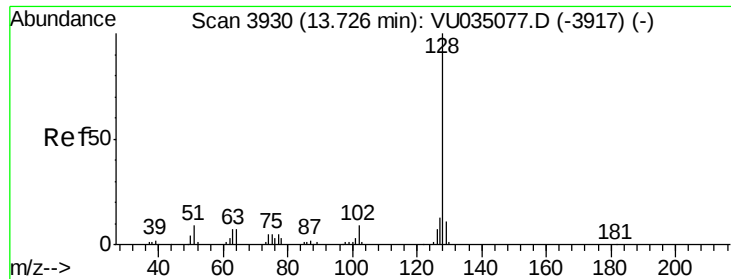
#68
 1,2,4-trichlorobenzene
 Concen: 3.662 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU035090.D
 Acq: 11 Oct 2019 15:12

Tgt Ion:	180	Resp:	46594
Ion	Ratio	Lower	Upper
180	100		
182	102.8	77.3	115.9
145	29.0	24.5	36.7



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: 3.231 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

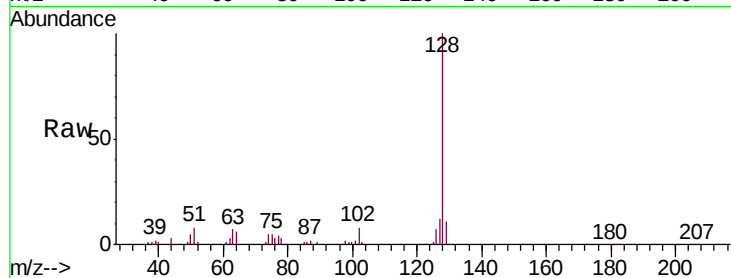
Tgt Ion:128 Resp: 63926

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

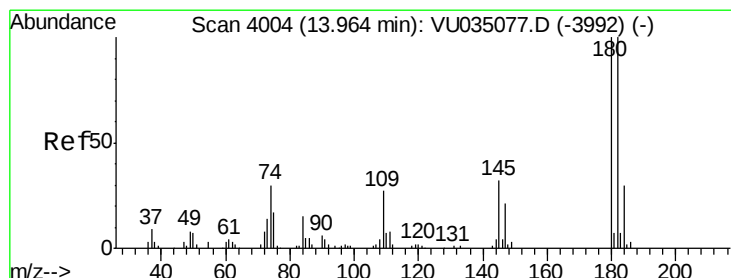
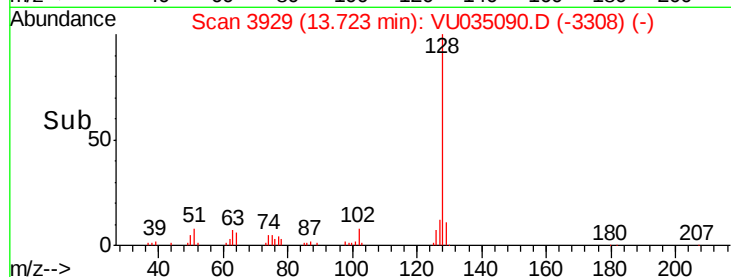
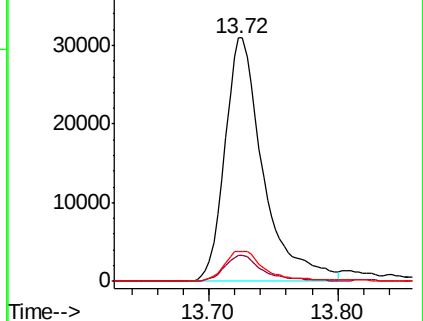
127 12.4 10.6 15.8



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: 4.078 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU035090.D

Acq: 11 Oct 2019 15:12

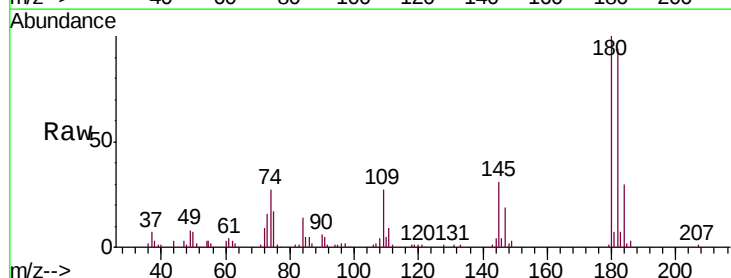
Tgt Ion:180 Resp: 50455

Ion Ratio Lower Upper

180 100

182 97.9 77.0 115.4

145 30.9 25.9 38.9



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

