

Data File : VU032074.D
Acq On : 17 May 2019 02:03
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Quant Time: May 17 07:25:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	410548	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	407244	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	181125	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	143366	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.68	69	132214	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.27	63	239623	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	4.19	46	329203	48.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.98%
24) Chloroform-d	4.64	84	285366	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.31	65	144197	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.33	84	572200	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	6.33	67	168058	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.56	98	520040	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.85	79	60000	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.31	63	304660	51.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	147433	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	184740	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	100469	4.889	ug/L 99
3) Chloromethane	1.32	50	82468	4.182	ug/L 97
5) Vinyl chloride	1.40	62	95056	4.588	ug/L 99
6) Bromomethane	1.62	94	43208	3.618	ug/L 95
8) Chloroethane	1.69	64	58686	4.568	ug/L 96
9) Trichlorofluoromethane	1.88	101	125881	4.952	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	80377	4.772	ug/L 98
12) 1,1-Dichloroethene	2.28	96	79053	4.795	ug/L 87
13) Acetone	2.33	43	99725	44.741	ug/L 100
14) Carbon disulfide	2.47	76	246250	4.683	ug/L 97
15) Methyl Acetate	2.62	43	24667	3.860	ug/L 98
16) Methylene chloride	2.69	84	85471	4.343	ug/L 97
17) Methyl tert-butyl Ether	3.00	73	184794	4.768	ug/L 96
18) trans-1,2-Dichloroethene	2.97	96	84984	4.816	ug/L 95
19) 1,1-Dichloroethane	3.44	63	128548	4.592	ug/L 98
21) 2-Butanone	4.28	43	149028	46.581	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	83968	4.837	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	37961	5.096	ug/L	99
25) Chloroform	4.67	83	142142	4.748	ug/L	96
27) 1,2-Dichloroethane	5.40	62	82993	4.801	ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	117335	4.939	ug/L	98
30) Cyclohexane	4.98	56	103450	4.735	ug/L	98
31) Carbon tetrachloride	5.12	117	101719	5.035	ug/L	99
33) Benzene	5.38	78	320461	5.124	ug/L	100
34) Trichloroethene	6.18	95	81676	4.815	ug/L	96
35) Methylcyclohexane	6.41	83	112064	4.588	ug/L	97
37) 1,2-Dichloropropane	6.43	63	75259	4.922	ug/L	99
38) Bromodichloromethane	6.75	83	97196	4.970	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	98137	4.642	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	340909	48.098	ug/L	98
42) Toluene	7.63	91	331852	5.067	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	78942	4.802	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	56856	5.034	ug/L	93
47) Tetrachloroethene	8.22	164	63145	4.980	ug/L	98
48) 2-Hexanone	8.36	43	277716	50.515	ug/L	99
49) Dibromochloromethane	8.47	129	63839	4.905	ug/L	98
50) 1,2-Dibromoethane	8.58	107	54168	5.005	ug/L	91
51) Chlorobenzene	9.12	112	209917	5.075	ug/L	96
52) Ethylbenzene	9.24	91	330644	5.033	ug/L	99
53) m,p-Xylene	9.37	106	127211	5.097	ug/L	96
54) o-Xylene	9.77	106	123823	5.147	ug/L	97
55) Styrene	9.79	104	211082	5.175	ug/L	96
56) Isopropylbenzene	10.16	105	318811	5.186	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	69584	4.938	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	46855	4.825	ug/L	98
61) Bromoform	9.95	173	37429	5.384	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	149315	5.174	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	152408	5.074	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	150223	5.131	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	10535	5.514	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	112755	5.249	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	81482	5.487	ug/L	99
69) Naphthalene	13.74	128	119666	5.181	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	83599	5.546	ug/L	99

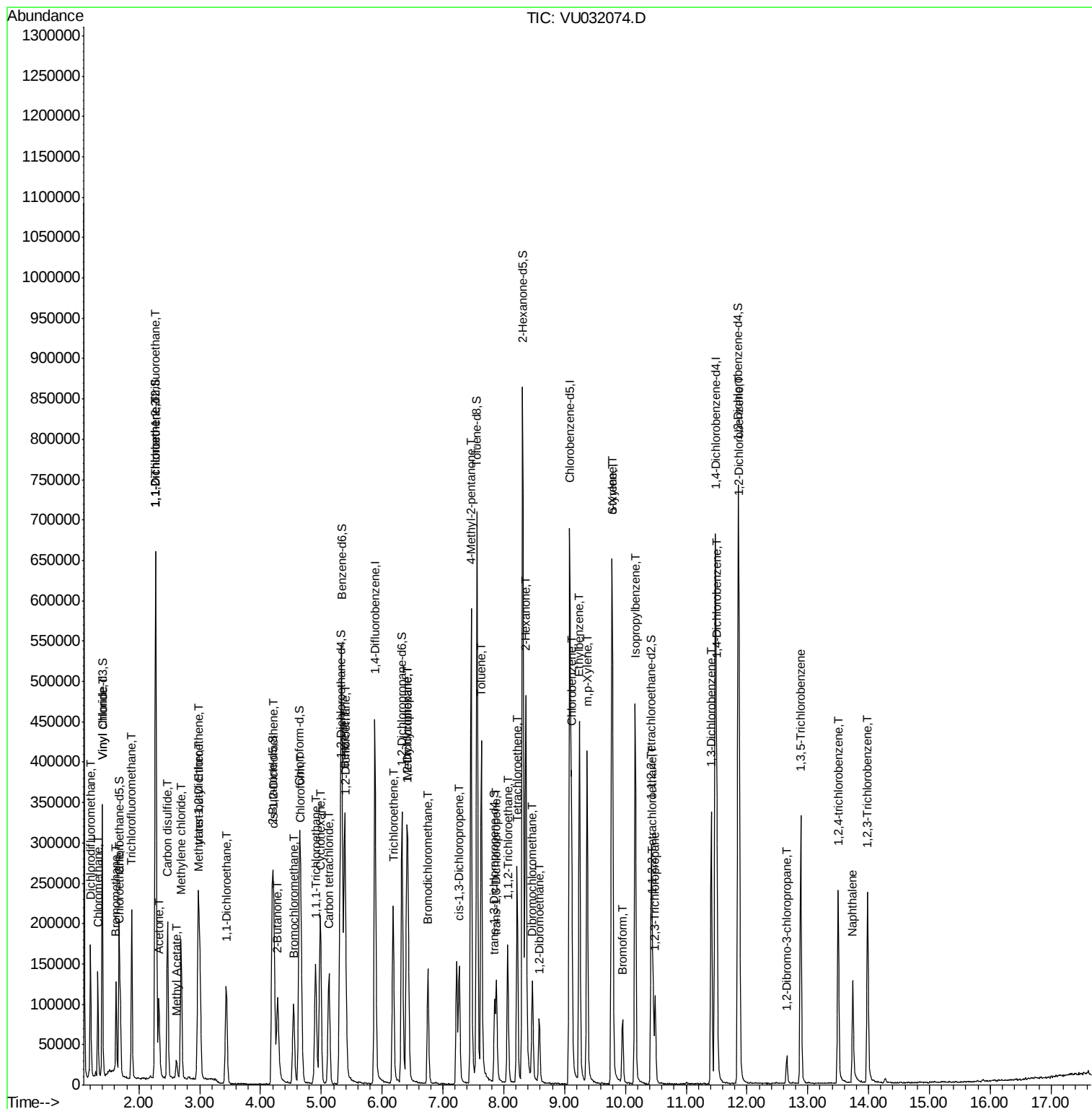
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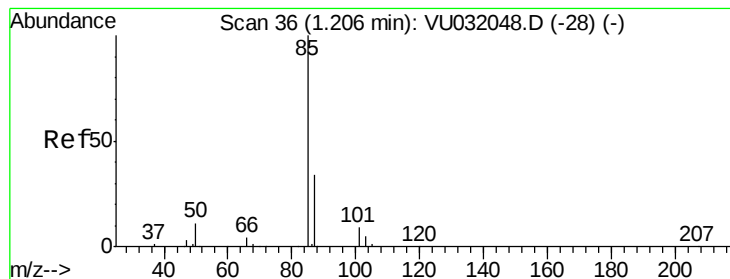
Data File : VU032074.D

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Acq On       : 17 May 2019   02:03
Operator    : JC/SP
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ALS Vial    : 36      Sample Multiplier: 1
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#2

Dichlorodifluoromethane

Concen: 4.889 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

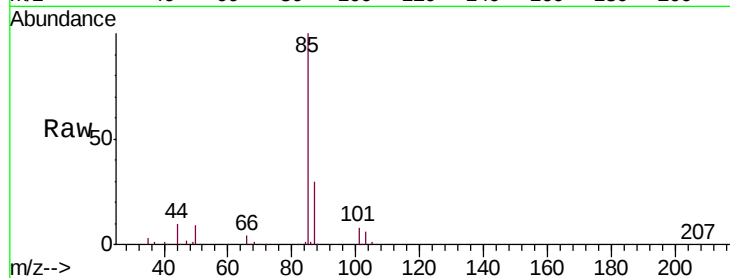
VSTD00502

Tgt Ion: 85 Resp: 100469

Ion Ratio Lower Upper

85 100

87 31.7 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VU032048.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032048.D (-28) (-)

1.21

100000

80000

60000

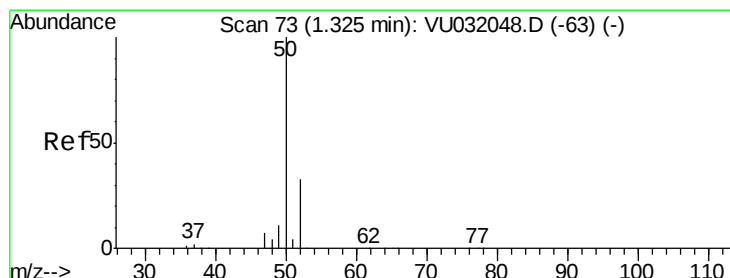
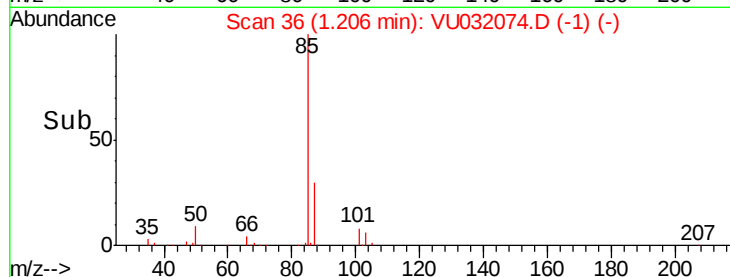
40000

20000

0

1.15 1.20 1.25 1.30

Time-->



#3

Chloromethane

Concen: 4.182 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032074.D

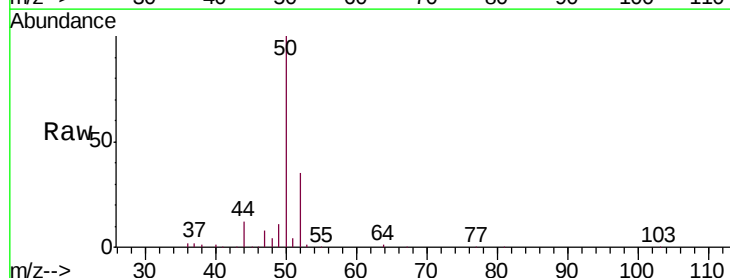
Acq: 17 May 2019 02:03

Tgt Ion: 50 Resp: 82468

Ion Ratio Lower Upper

50 100

52 34.8 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU032048.D (-63) (-)

Ion 52.05 (51.75 to 52.75): VU032048.D (-63) (-)

1.32

80000

60000

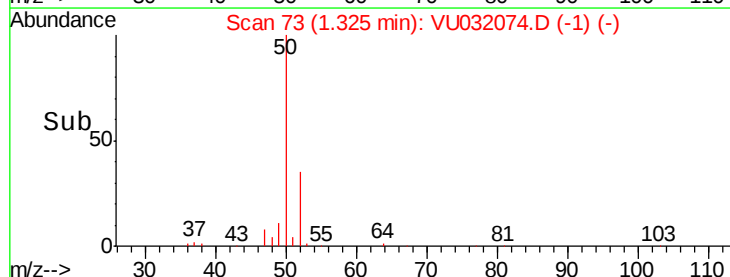
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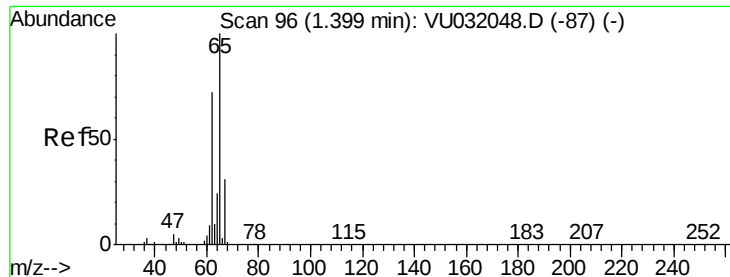
20000

0

1.30 1.35

Time-->





#5

Vinyl chloride

Concen: 4.588 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

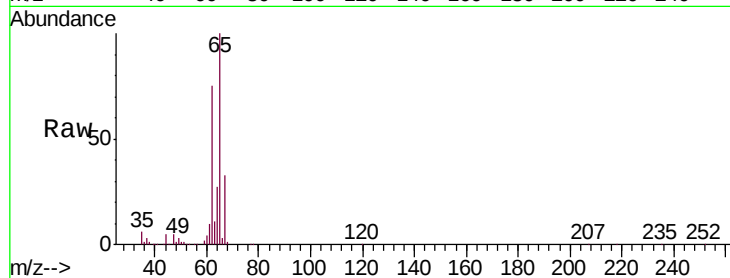
VSTD00502

Tgt Ion: 62 Resp: 95056

Ion Ratio Lower Upper

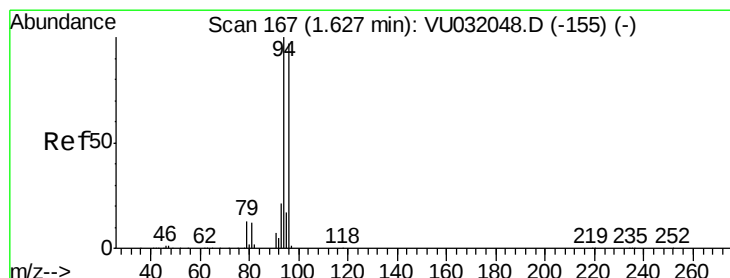
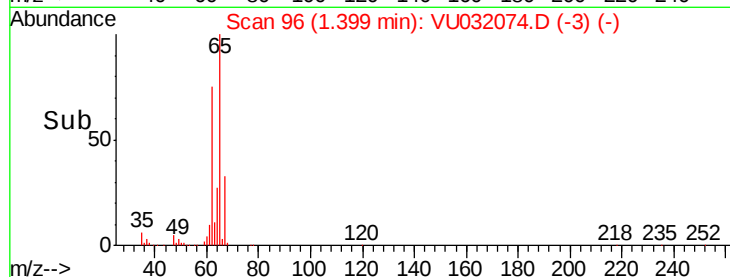
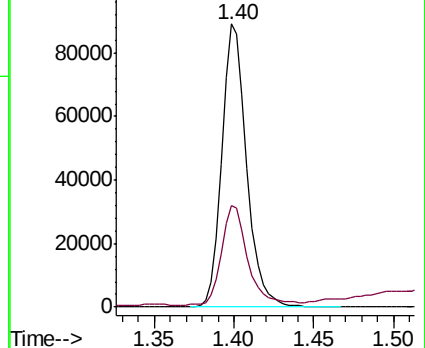
62 100

64 36.0 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU032074.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032074.D (-87) (-)



#6

Bromomethane

Concen: 3.618 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU032074.D

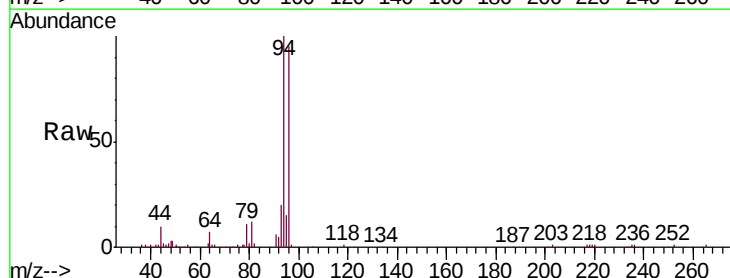
Acq: 17 May 2019 02:03

Tgt Ion: 94 Resp: 43208

Ion Ratio Lower Upper

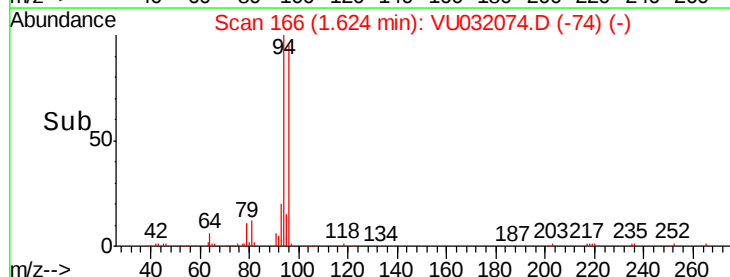
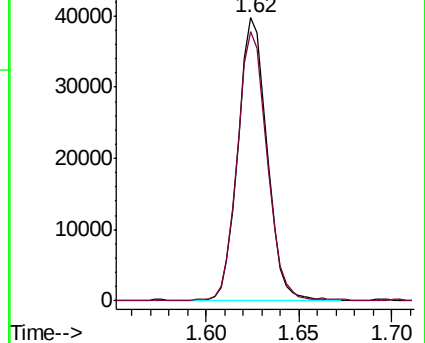
94 100

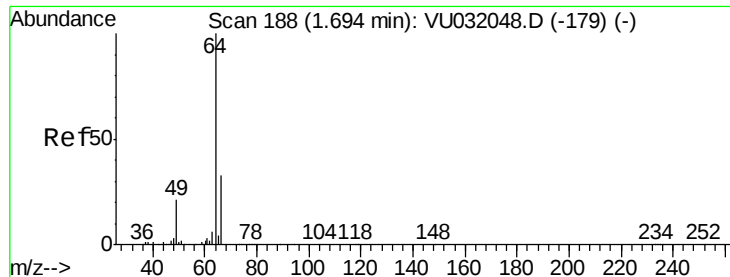
96 95.1 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU032074.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU032074.D (-155) (-)

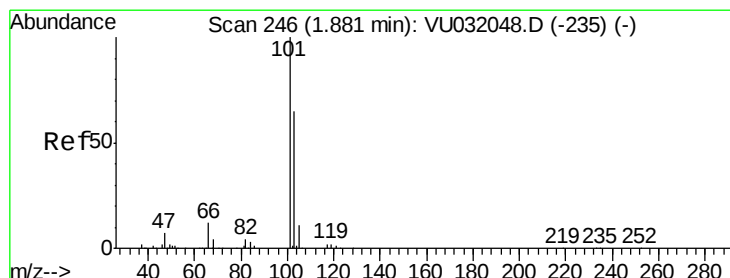
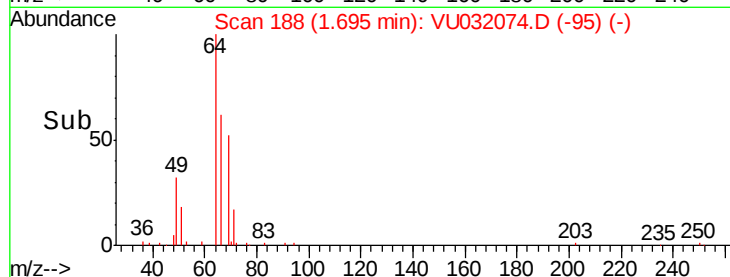
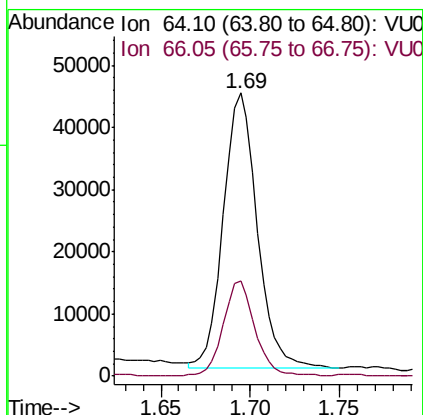
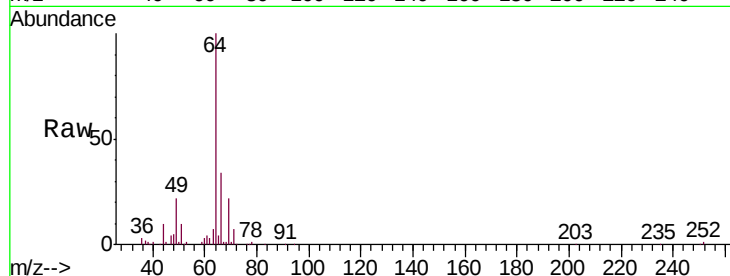




#8
Chloroethane
Concen: 4.568 ug/L
RT: 1.69 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

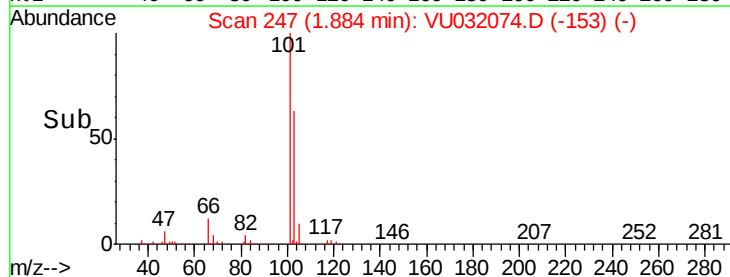
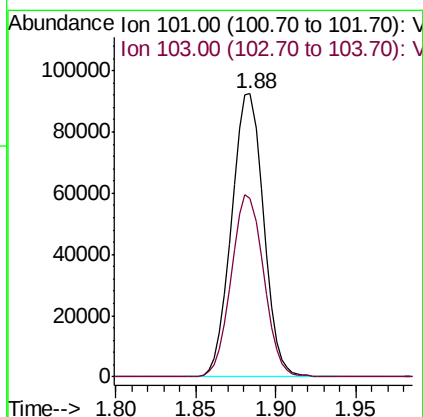
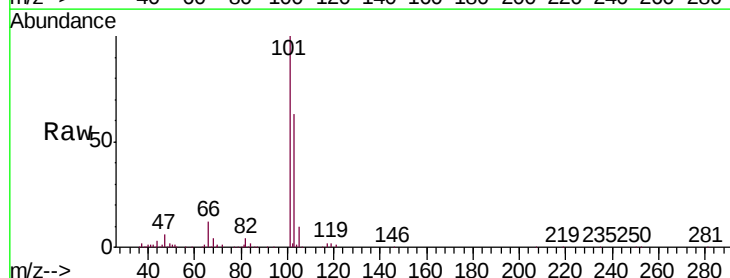
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

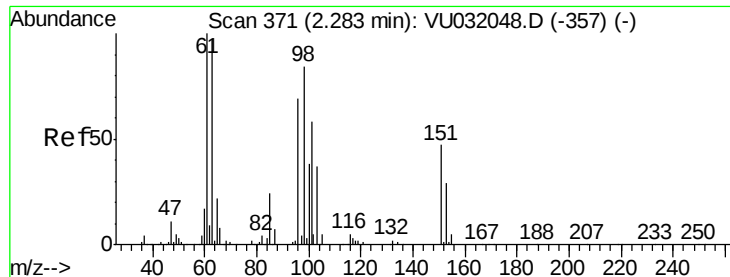
Tgt Ion: 64 Resp: 58686
Ion Ratio Lower Upper
64 100
66 33.6 22.0 41.0



#9
Trichlorofluoromethane
Concen: 4.952 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

Tgt Ion: 101 Resp: 125881
Ion Ratio Lower Upper
101 100
103 65.5 51.4 77.0





#10

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

Concen: 4.772 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

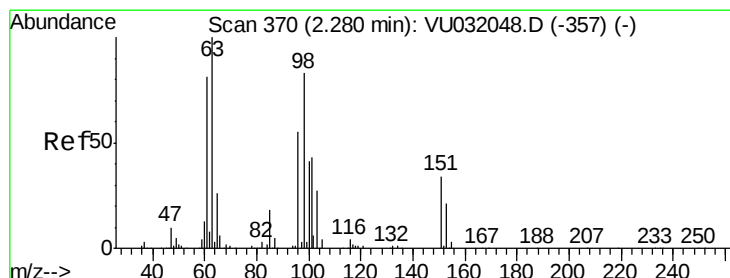
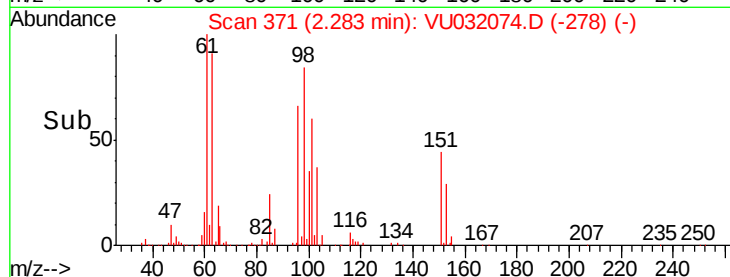
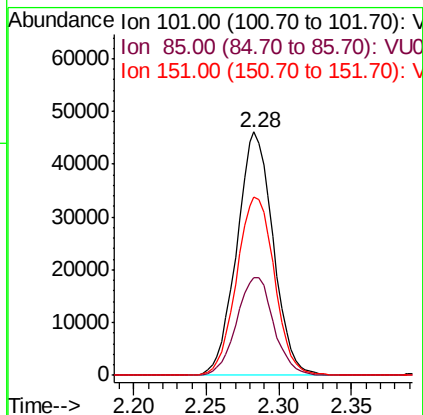
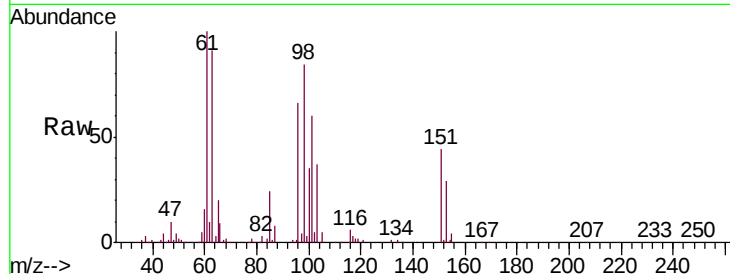
Tgt Ion: 101 Resp: 80377

Ion Ratio Lower Upper

101 100

85 40.8 33.8 50.8

151 76.2 59.4 89.2



#12

1,1-Dichloroethene

Concen: 4.795 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

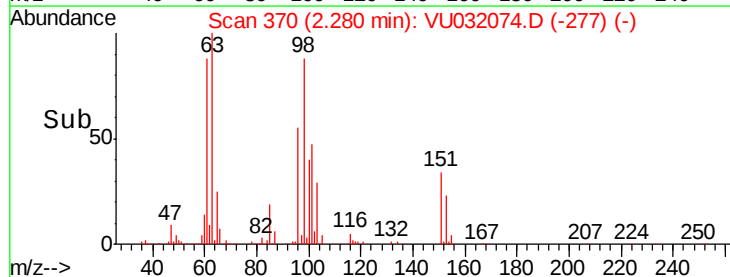
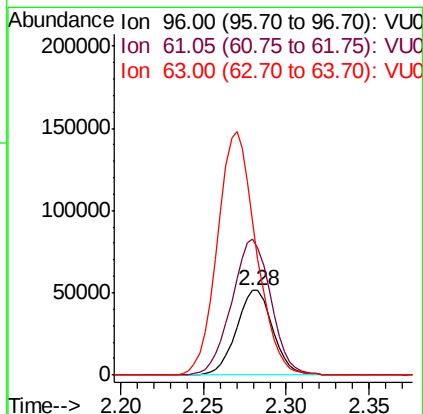
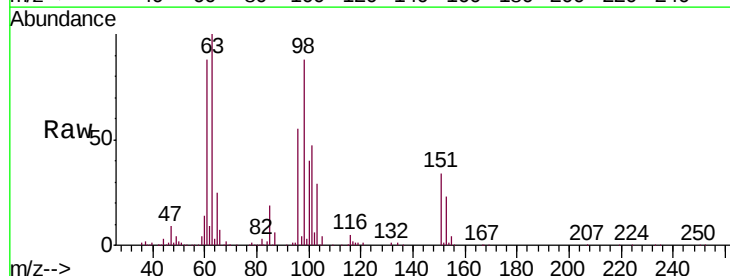
Tgt Ion: 96 Resp: 79053

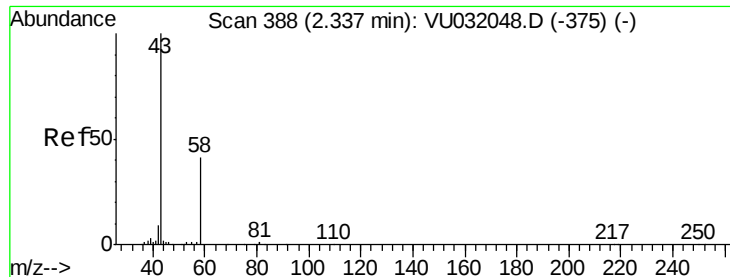
Ion Ratio Lower Upper

96 100

61 160.6 111.7 207.5

63 181.8 152.2 282.6





#13

Acetone

Concen: 44.741 ug/L

RT: 2.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

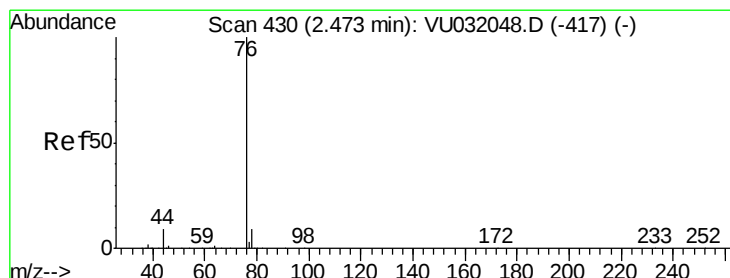
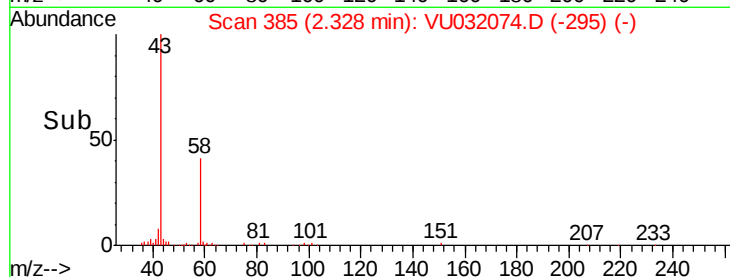
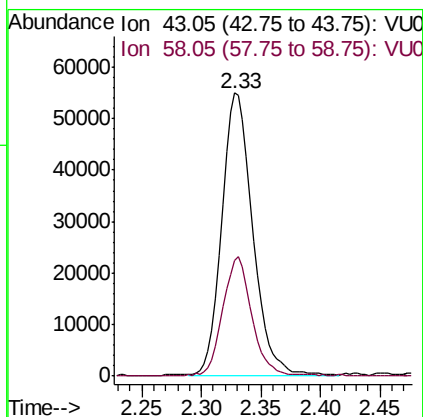
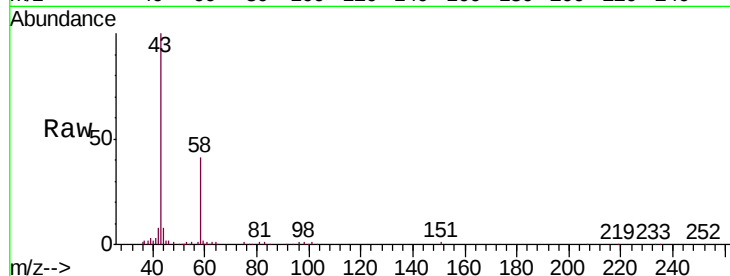
VSTD00502

Tgt Ion: 43 Resp: 99725

Ion Ratio Lower Upper

43 100

58 39.3 0.0 78.8



#14

Carbon disulfide

Concen: 4.683 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032074.D

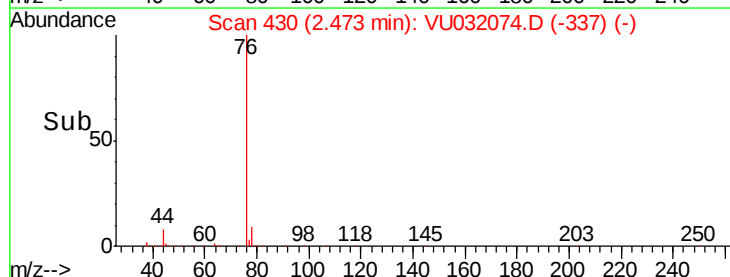
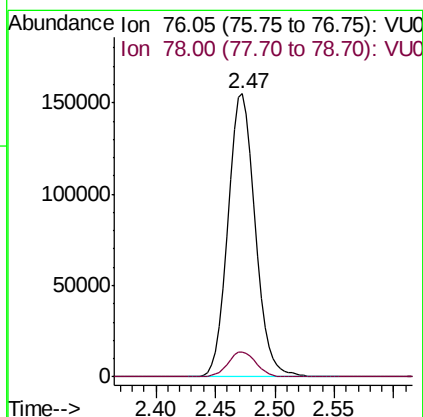
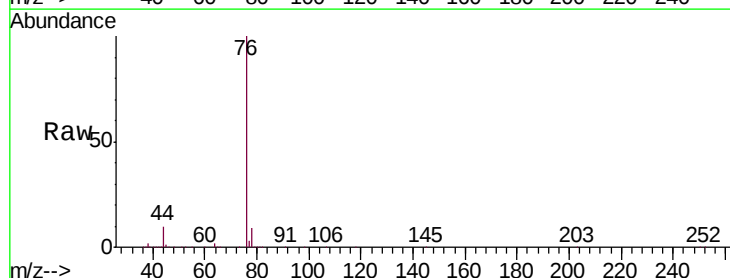
Acq: 17 May 2019 02:03

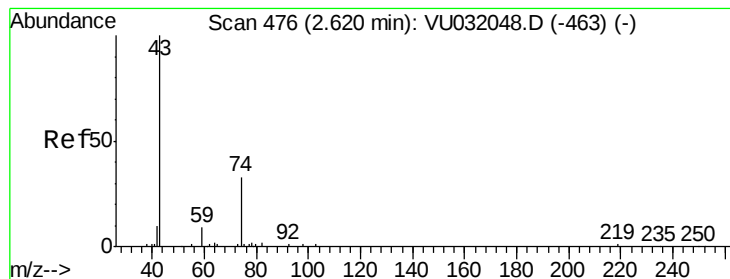
Tgt Ion: 76 Resp: 246250

Ion Ratio Lower Upper

76 100

78 8.7 7.8 11.6





#15

Methyl Acetate

Concen: 3.860 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

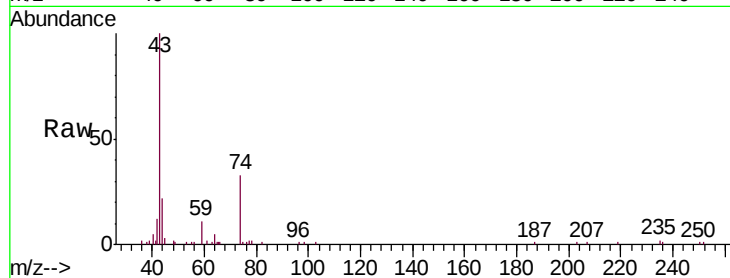
VSTD00502

Tgt Ion: 43 Resp: 24667

Ion Ratio Lower Upper

43 100

74 34.0 26.4 39.6



Abundance Ion 43.05 (42.75 to 43.75): VU032074.D (-463) (-)

Ion 74.05 (73.75 to 74.75): VU032074.D (-463) (-)

2.62

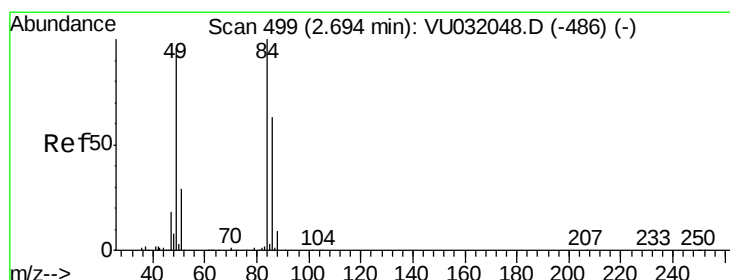
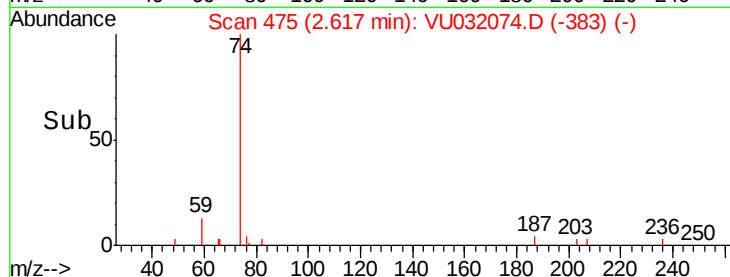
15000

10000

5000

0

Time--> 2.55 2.60 2.65



#16

Methylene chloride

Concen: 4.343 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

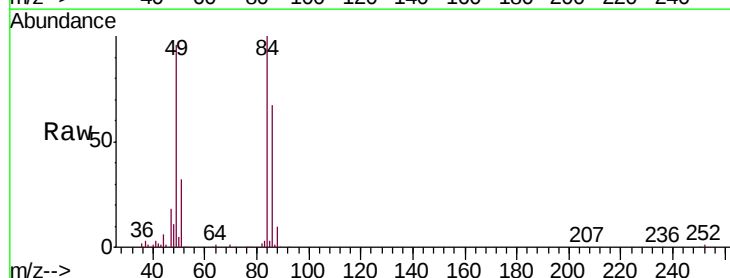
Tgt Ion: 84 Resp: 85471

Ion Ratio Lower Upper

84 100

86 66.8 43.1 80.1

49 95.8 67.7 125.7



Abundance Ion 84.05 (83.75 to 84.75): VU032074.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU032074.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU032074.D (-406) (-)

2.69

60000

50000

40000

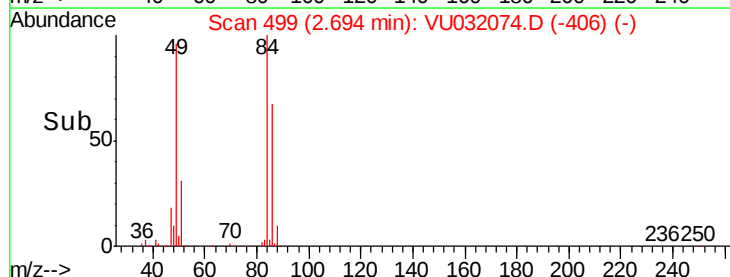
30000

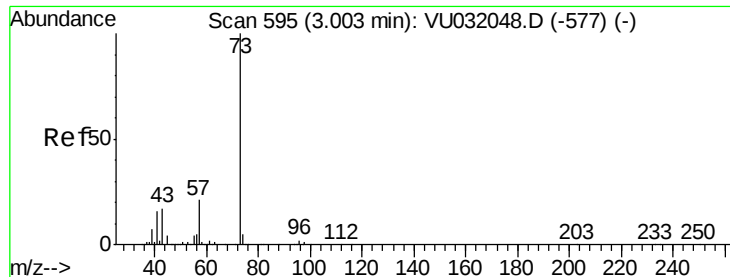
20000

10000

0

Time--> 2.60 2.65 2.70 2.75 2.80

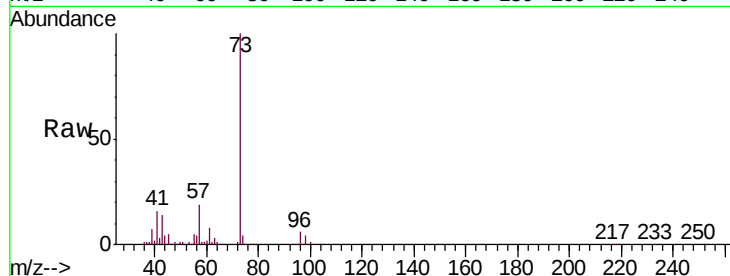




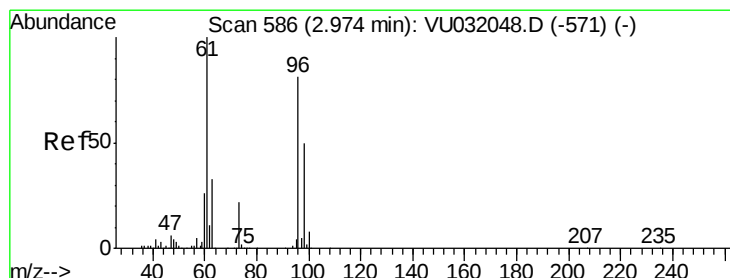
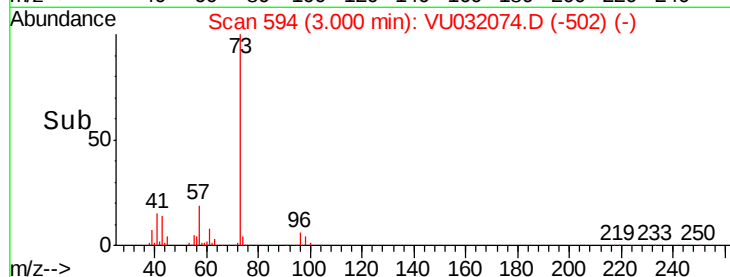
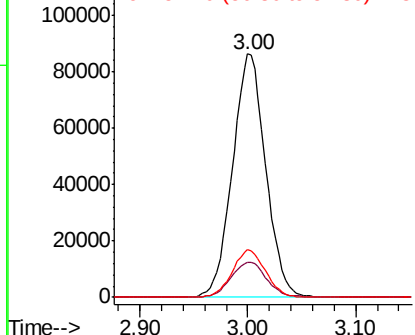
#17
Methyl tert-butyl Ether
Concen: 4.768 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion	Ratio	Lower	Upper
73	100		
43	15.5	13.0	19.6
57	19.6	17.9	26.9

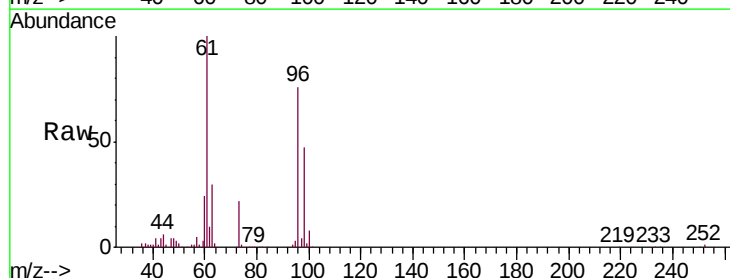


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

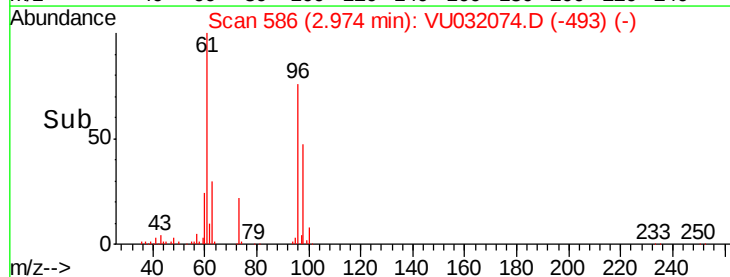
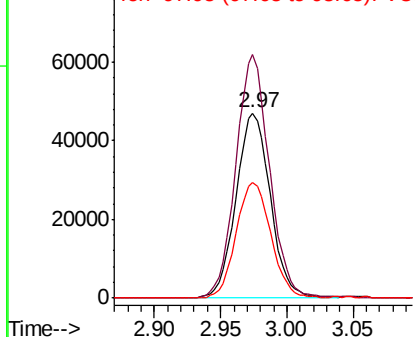


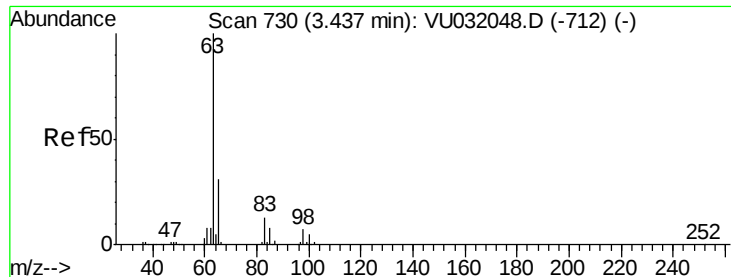
#18
trans-1,2-Dichloroethene
Concen: 4.816 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.7	86.5	160.7
98	62.3	43.5	80.9



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

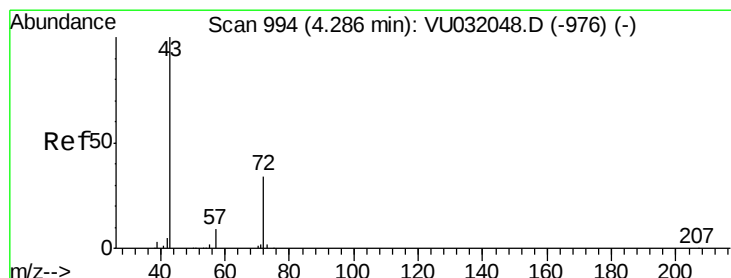
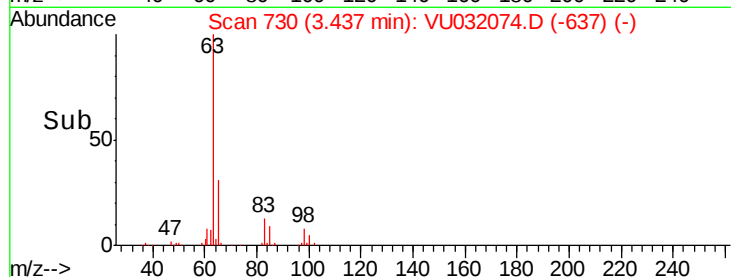
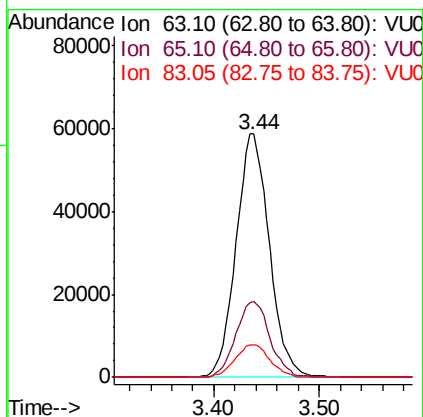
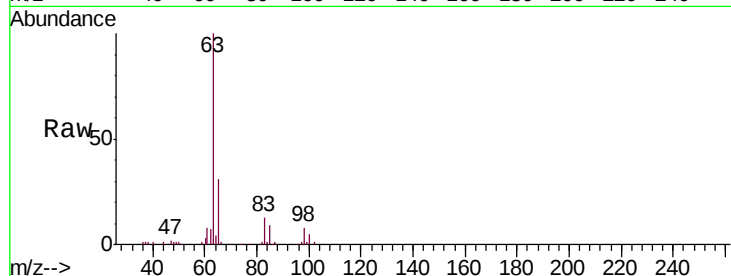




#19
 1,1-Dichloroethane
 Concen: 4.592 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

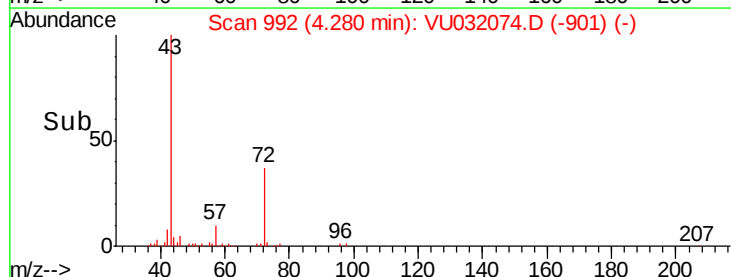
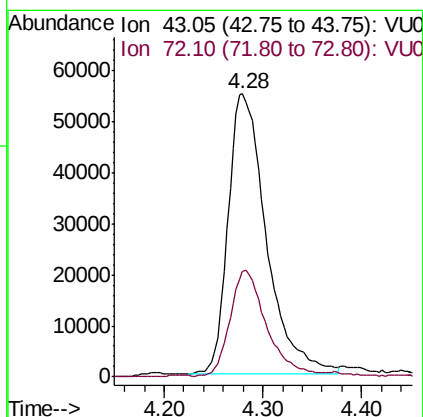
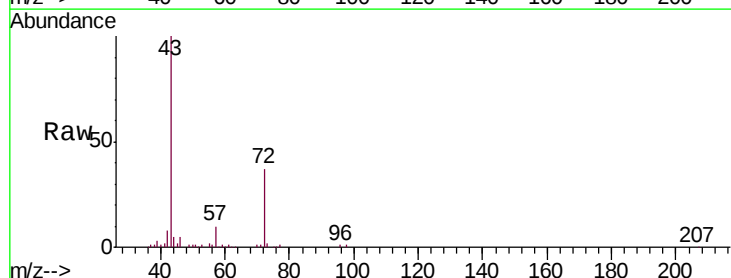
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

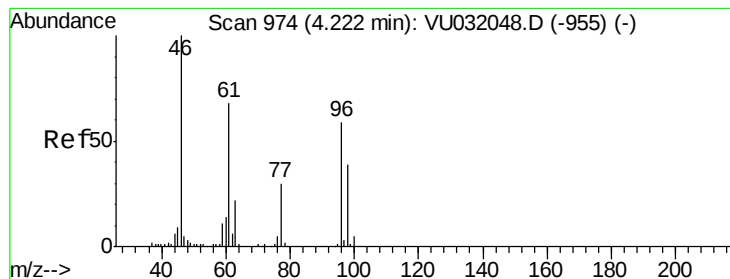
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	23.0	42.6
83	13.4	9.3	17.3



#21
 2-Butanone
 Concen: 46.581 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	35.6	16.8	50.3





#22

cis-1,2-Dichloroethene

Concen: 4.837 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

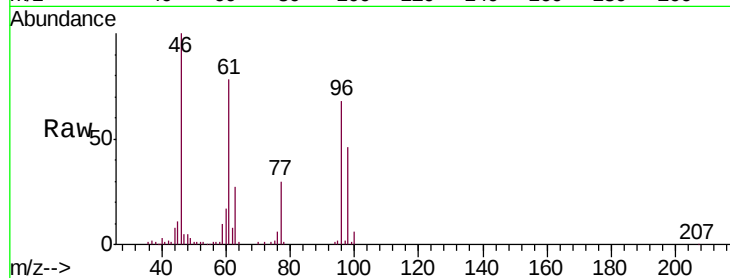
Tgt Ion: 96 Resp: 83968

Ion Ratio Lower Upper

96 100

61 114.6 85.8 159.4

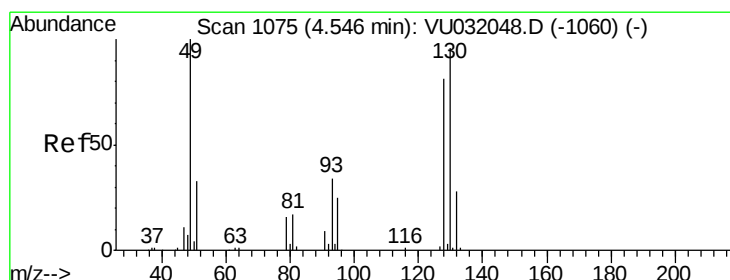
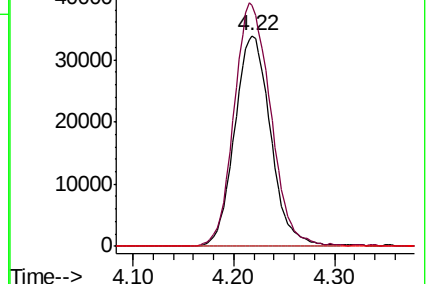
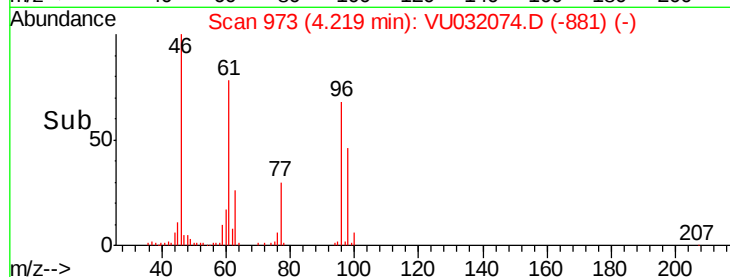
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU032074.D (-881) (-)

Ion 61.05 (60.75 to 61.75): VU032074.D (-881) (-)

Ion 68.15 (67.85 to 68.85): VU032074.D (-881) (-)



#23

Bromochloromethane

Concen: 5.096 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Tgt Ion: 128 Resp: 37961

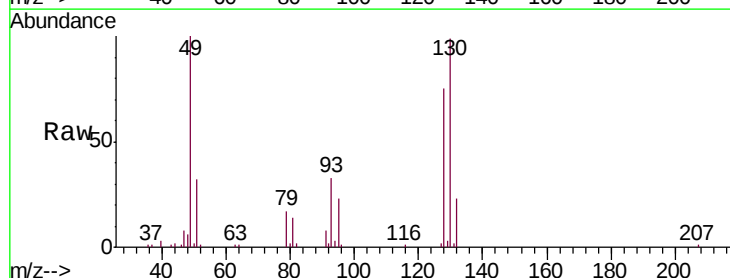
Ion Ratio Lower Upper

128 100

49 132.6 92.2 171.2

130 130.8 90.3 167.7

51 42.4 35.3 52.9

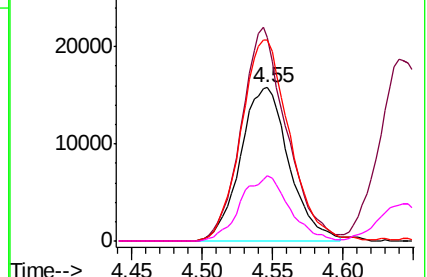
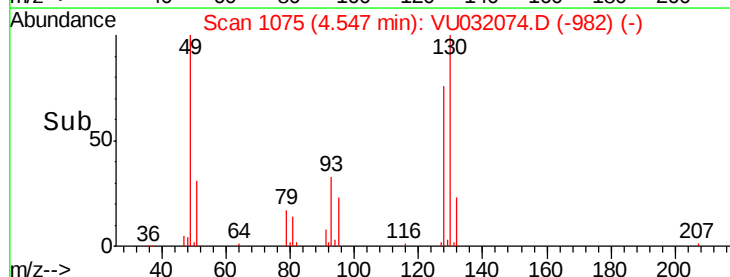


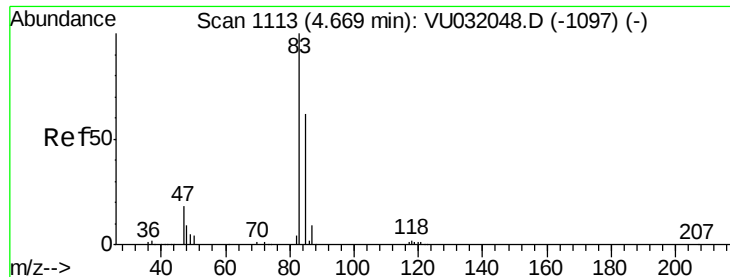
Abundance Ion 127.90 (127.60 to 128.60): VU032074.D (-982) (-)

Ion 49.10 (48.80 to 49.80): VU032074.D (-982) (-)

Ion 129.95 (129.65 to 130.65): VU032074.D (-982) (-)

Ion 51.05 (50.75 to 51.75): VU032074.D (-982) (-)





#25

Chloroform

Concen: 4.748 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

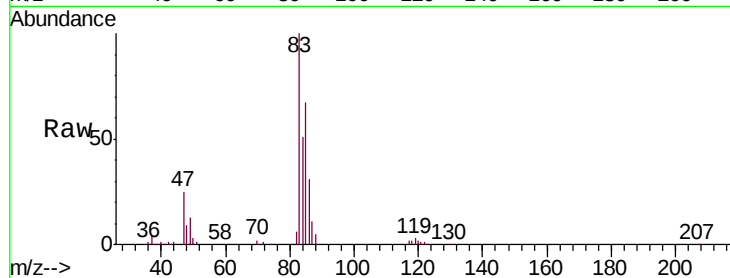
VSTD00502

Tgt Ion: 83 Resp: 142142

Ion Ratio Lower Upper

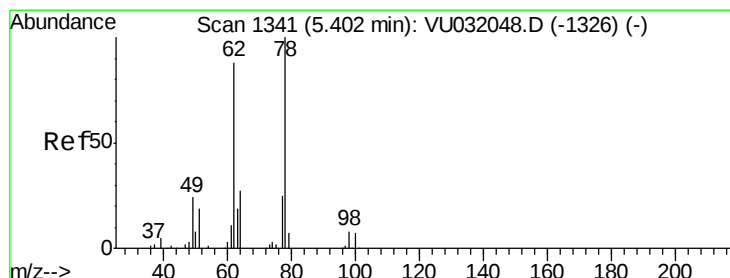
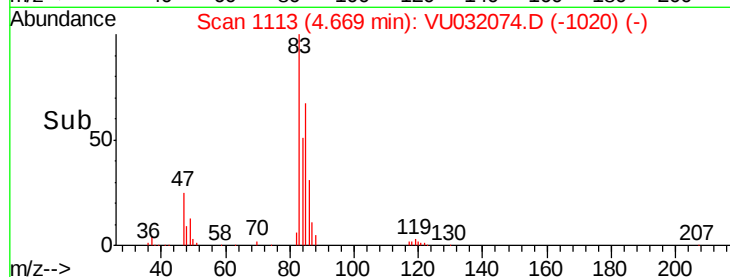
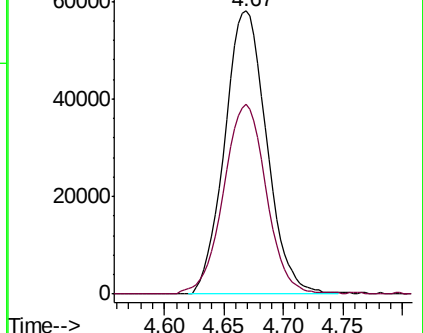
83 100

85 67.1 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU032048.D (-1097) (-)

Ion 85.00 (84.70 to 85.70): VU032048.D (-1097) (-)



#27

1,2-Dichloroethane

Concen: 4.801 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU032074.D

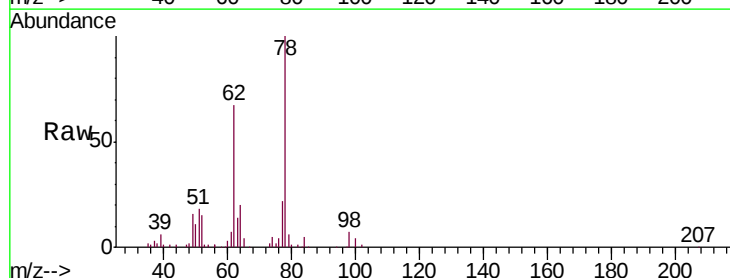
Acq: 17 May 2019 02:03

Tgt Ion: 62 Resp: 82993

Ion Ratio Lower Upper

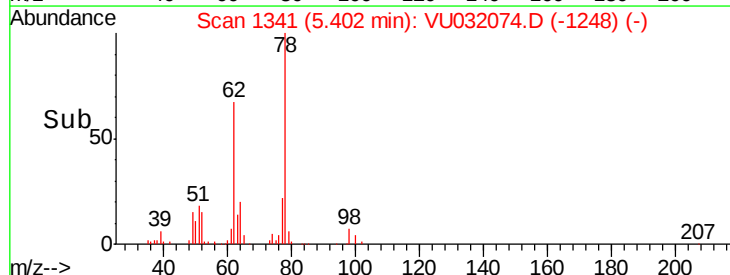
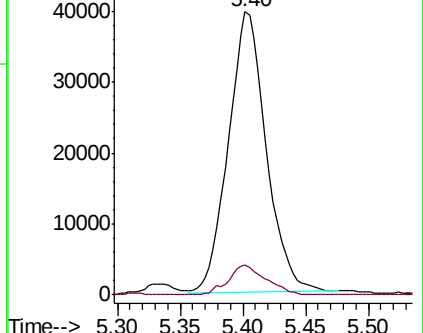
62 100

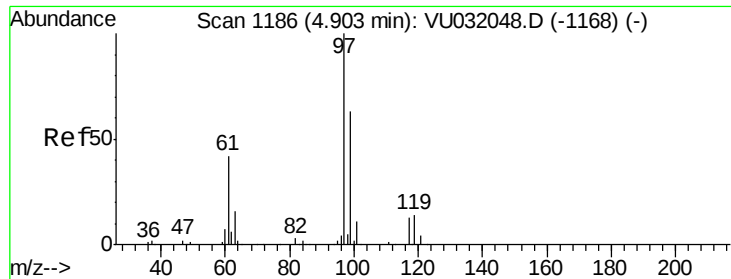
98 10.4 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VU032048.D (-1326) (-)

Ion 98.05 (97.75 to 98.75): VU032048.D (-1326) (-)

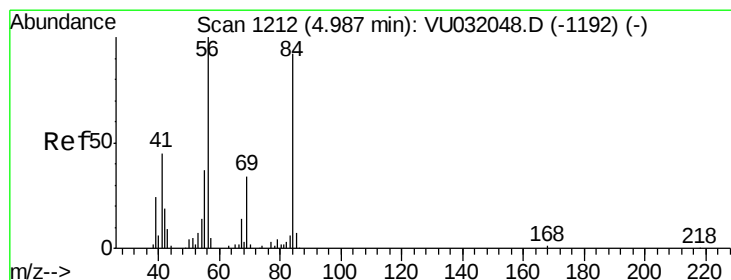
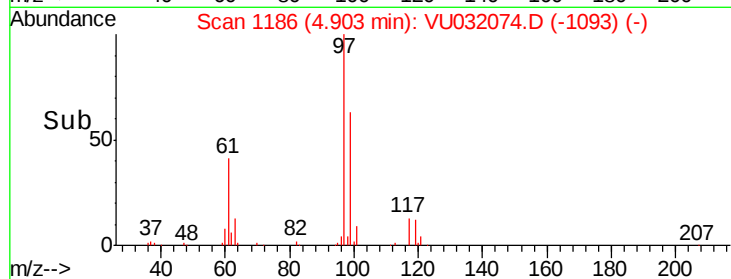
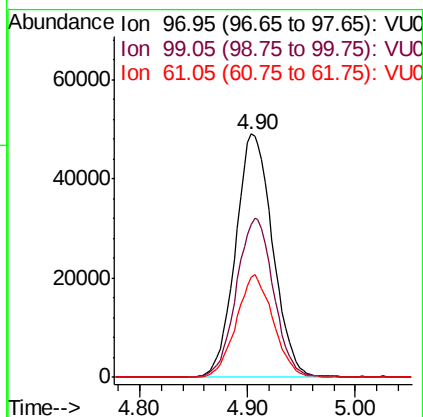
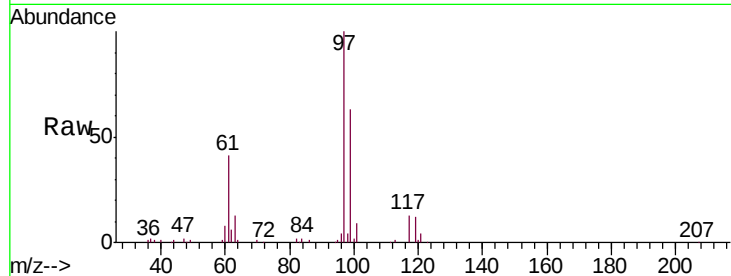




#29
 1,1,1-Trichloroethane
 Concen: 4.939 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

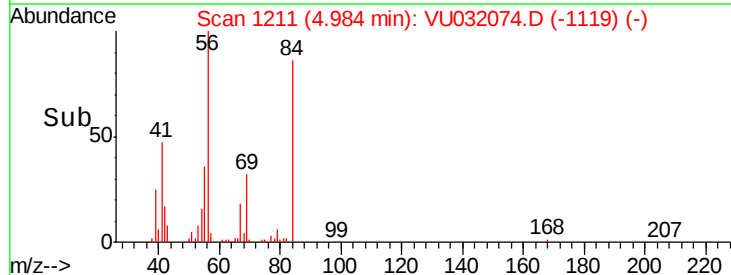
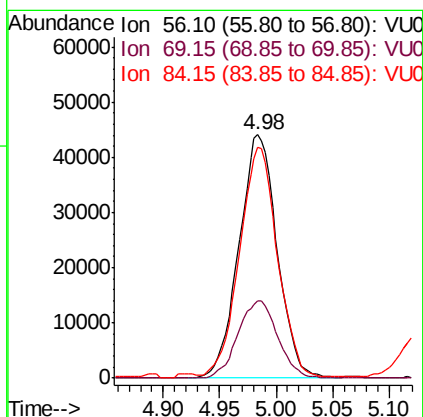
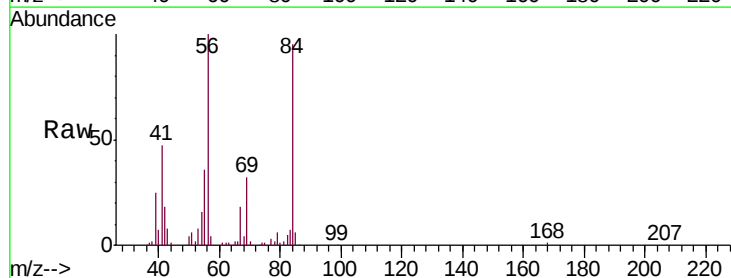
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

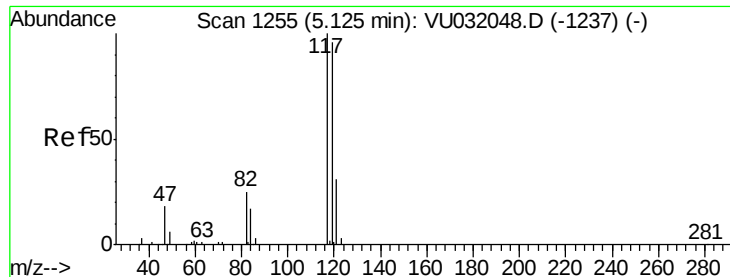
Tgt Ion: 97 Resp: 117335
 Ion Ratio Lower Upper
 97 100
 99 65.3 53.7 80.5
 61 42.0 34.2 51.4



#30
 Cyclohexane
 Concen: 4.735 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion: 56 Resp: 103450
 Ion Ratio Lower Upper
 56 100
 69 32.9 26.9 40.3
 84 93.0 76.6 115.0

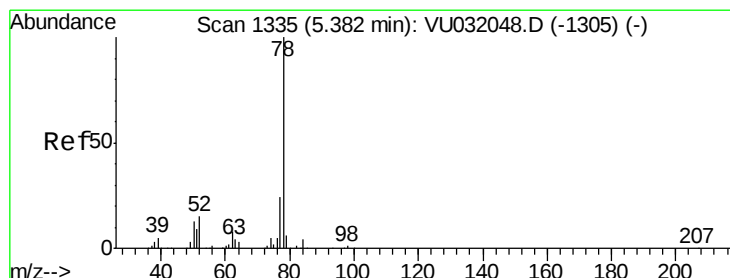
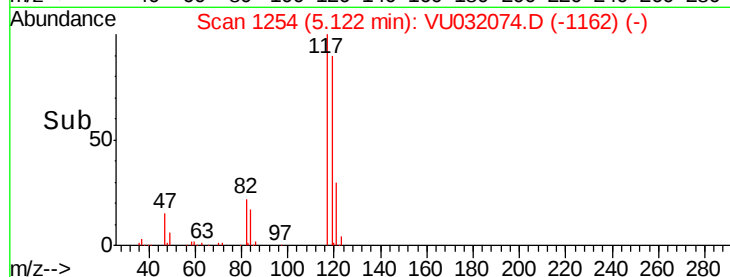
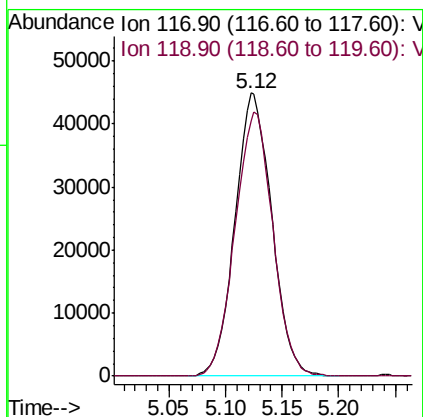
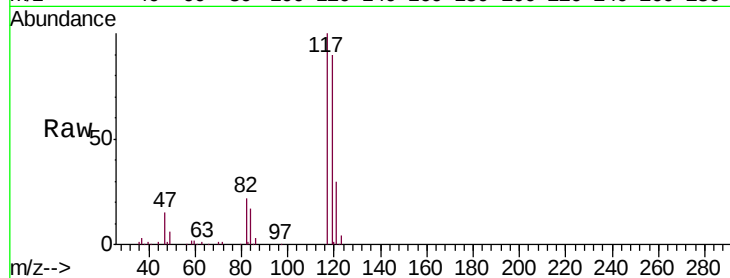




#31
Carbon tetrachloride
Concen: 5.035 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

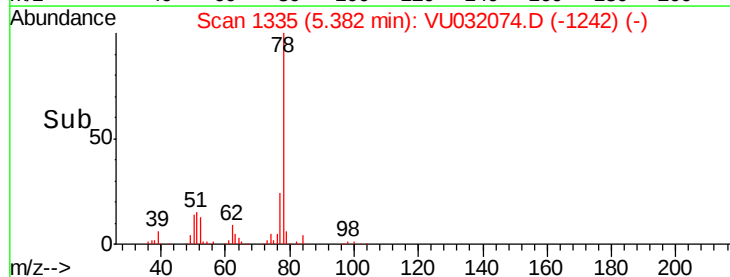
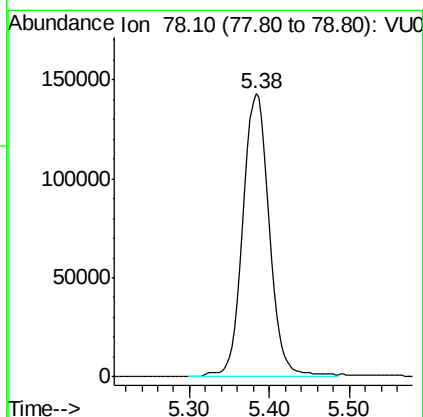
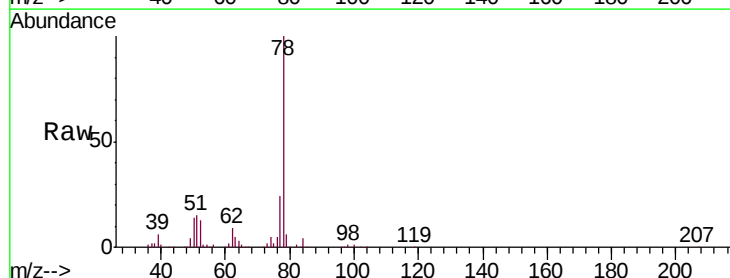
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

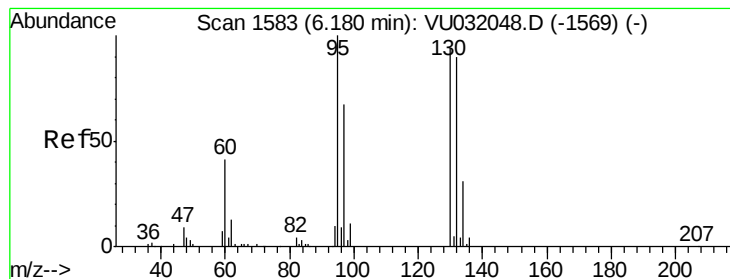
Tgt Ion:117 Resp: 101719
Ion Ratio Lower Upper
117 100
119 95.5 75.8 113.6



#33
Benzene
Concen: 5.124 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

Tgt Ion: 78 Resp: 320461





#34

Trichloroethene

Concen: 4.815 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

Tgt Ion: 95 Resp: 81676

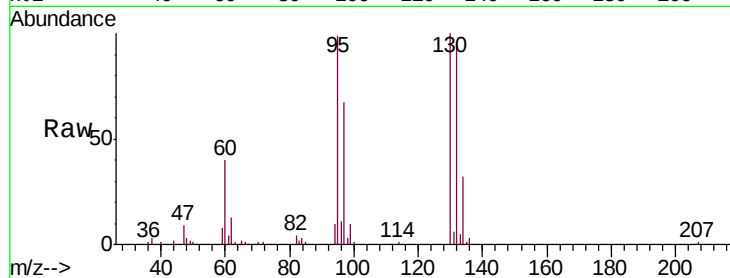
Ion Ratio Lower Upper

95 100

97 67.4 45.2 84.0

132 97.0 66.1 122.7

130 101.0 66.7 123.9

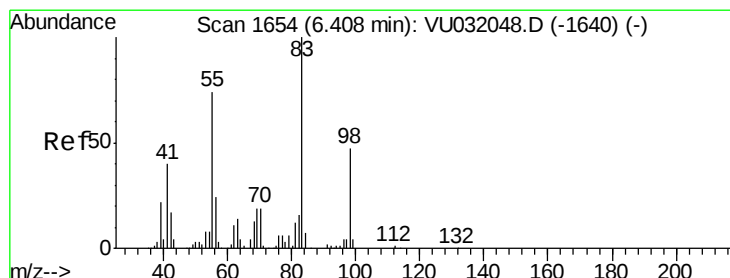
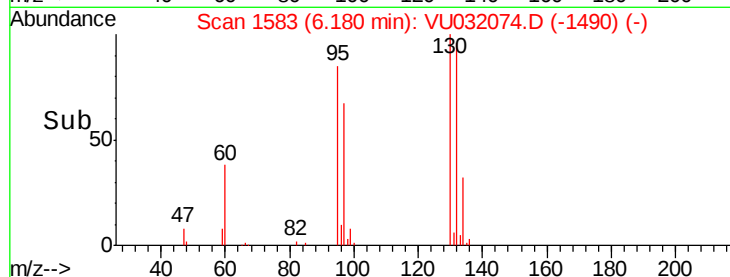
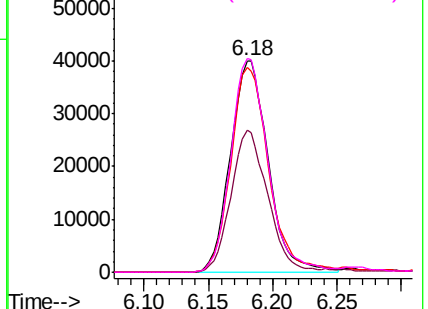


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.588 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

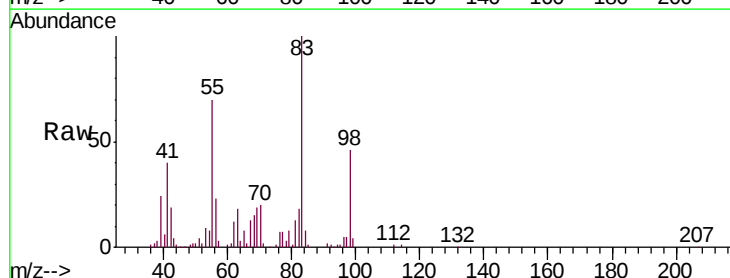
Tgt Ion: 83 Resp: 112064

Ion Ratio Lower Upper

83 100

55 71.7 59.7 89.5

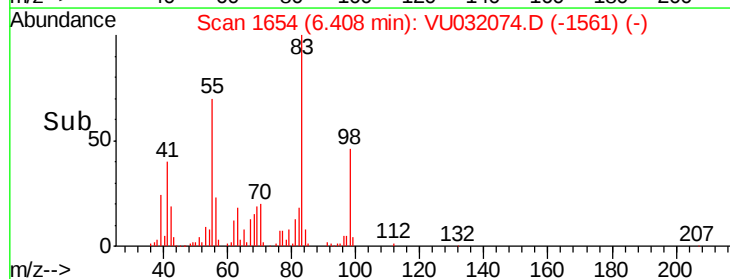
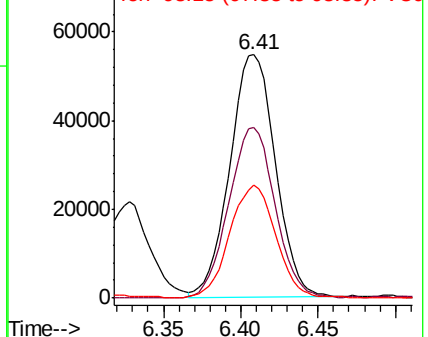
98 46.9 36.8 55.2

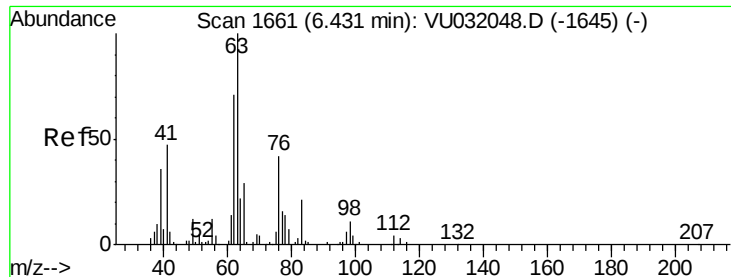


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

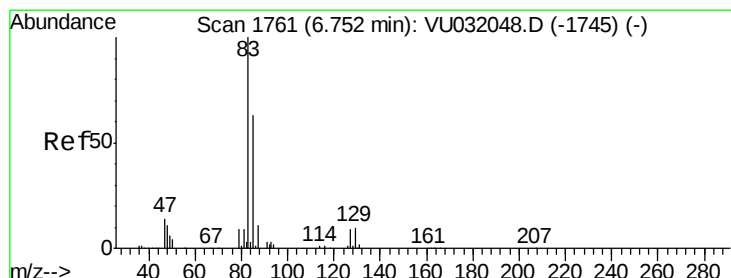
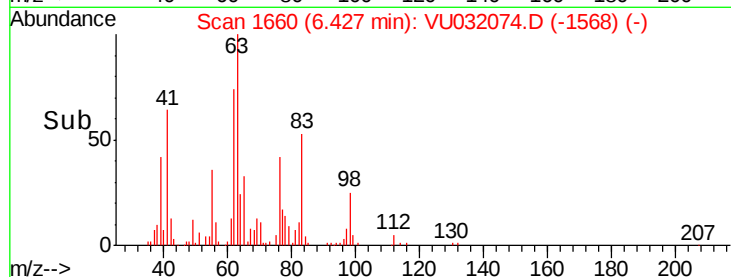
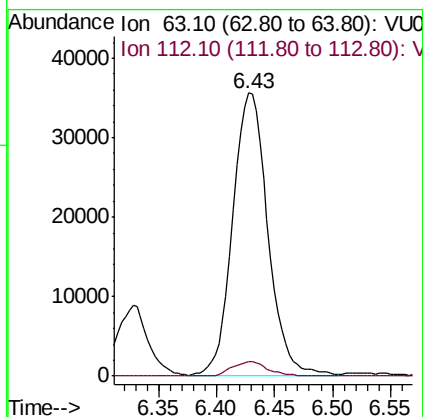
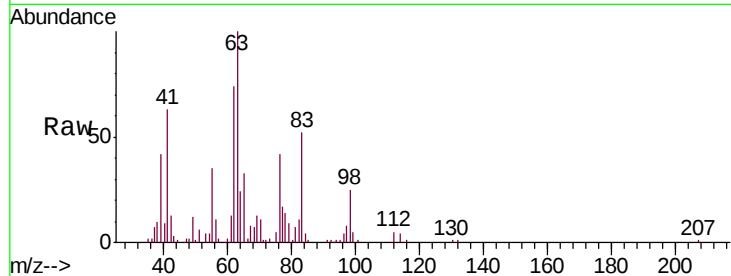




#37
 1,2-Dichloropropane
 Concen: 4.922 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

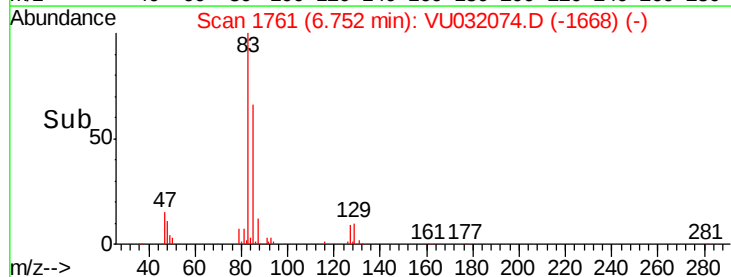
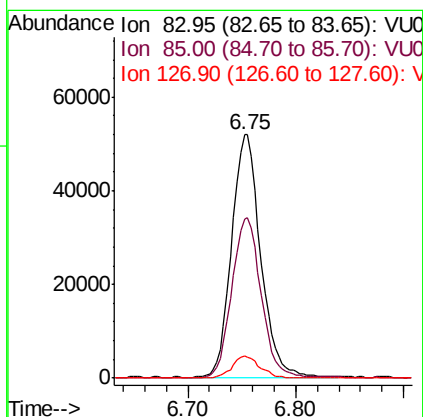
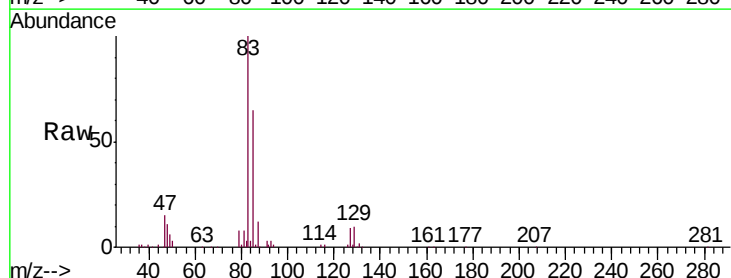
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

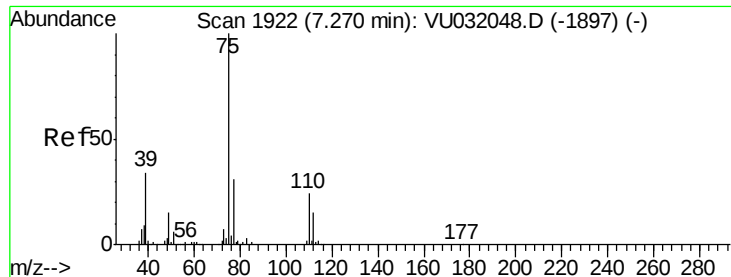
Tgt Ion: 63 Resp: 75259
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.970 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion: 83 Resp: 97196
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.5 84.5
 127 9.0 6.3 9.5

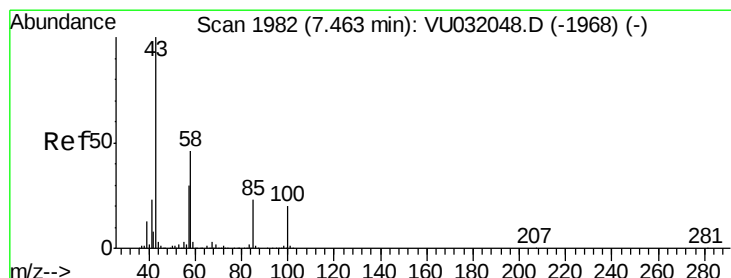
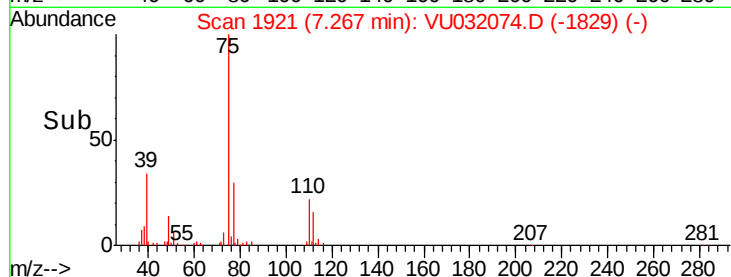
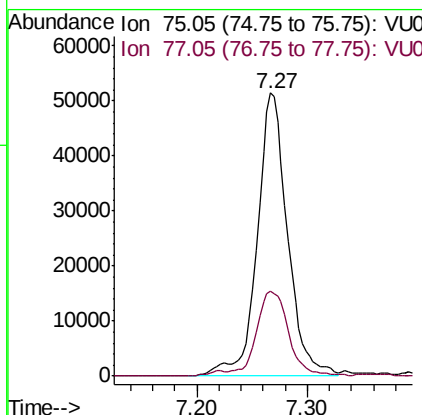
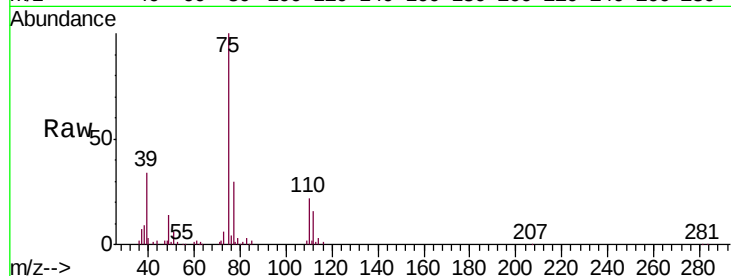




#39
 cis-1,3-Dichloropropene
 Concen: 4.642 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

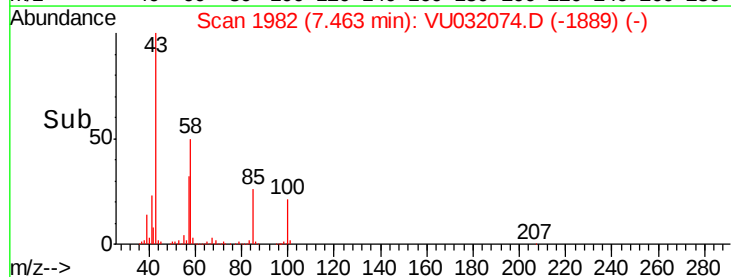
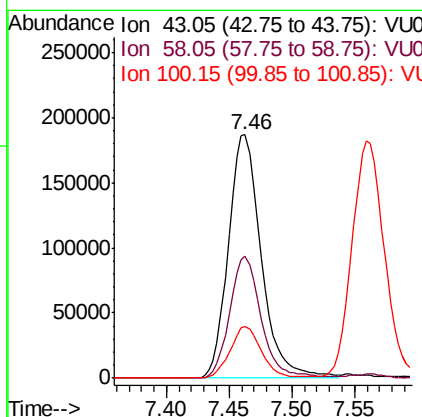
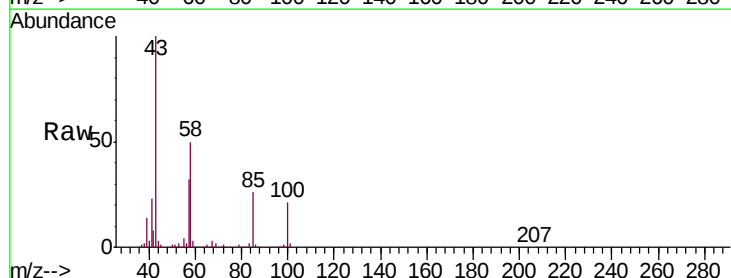
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

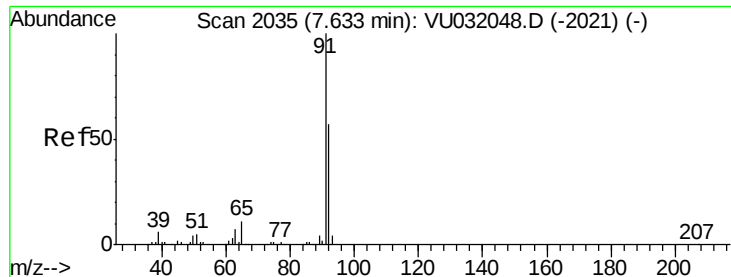
Tgt Ion: 75 Resp: 98137
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 48.098 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion: 43 Resp: 340909
 Ion Ratio Lower Upper
 43 100
 58 47.7 37.3 55.9
 100 20.2 15.5 23.3





#42

Toluene

Concen: 5.067 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

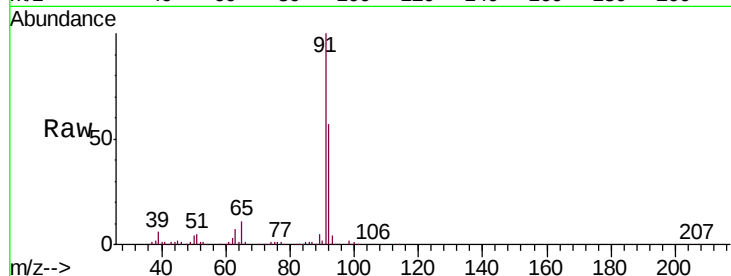
VSTD00502

Tgt Ion: 91 Resp: 331852

Ion Ratio Lower Upper

91 100

92 57.1 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU032048.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032048.D (-2021) (-)

7.63

200000

150000

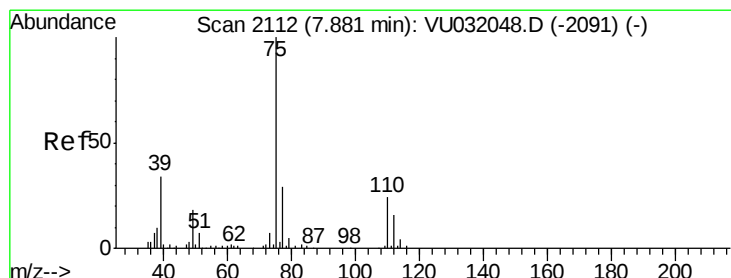
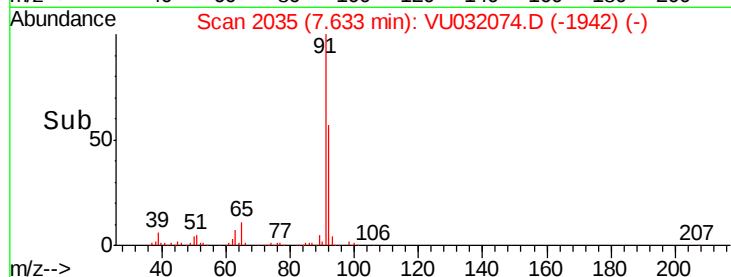
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.802 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU032074.D

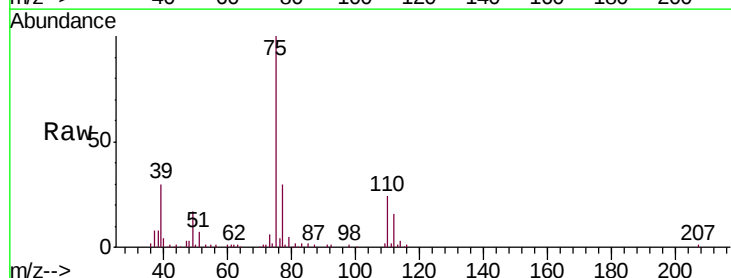
Acq: 17 May 2019 02:03

Tgt Ion: 75 Resp: 78942

Ion Ratio Lower Upper

75 100

77 29.6 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032048.D (-2091) (-)

Ion 77.05 (76.75 to 77.75): VU032048.D (-2091) (-)

7.88

50000

40000

30000

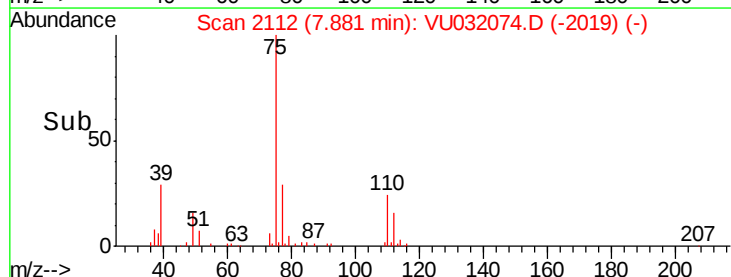
20000

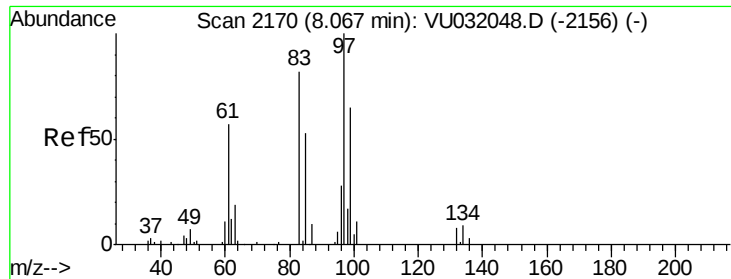
10000

0

7.80 7.90 8.00

Time-->

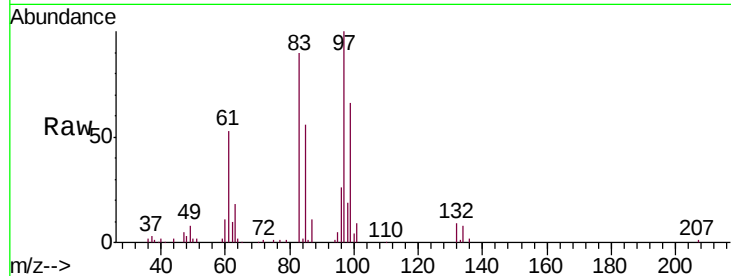




#45
 1,1,2-Trichloroethane
 Concen: 5.034 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion:	97	Resp:	56856
Ion	Ratio	Lower	Upper
97	100		
99	66.1	40.7	75.7
83	90.1	59.6	110.8
85	56.3	37.3	69.3

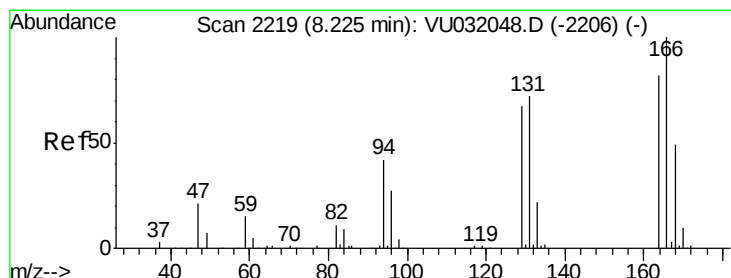
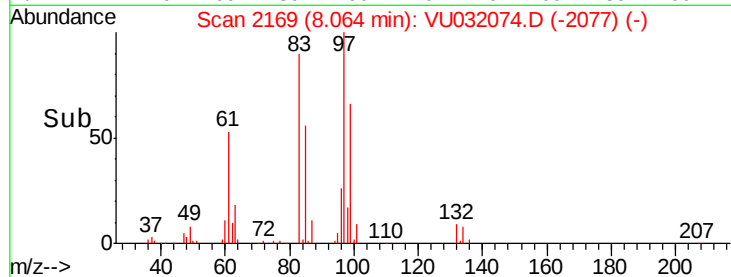
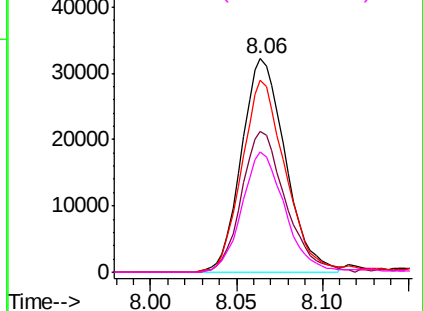


Abundance Ion 96.95 (96.65 to 97.65): VU032074.D (-2169) (-)

Ion 99.05 (98.75 to 99.75): VU032074.D (-2169) (-)

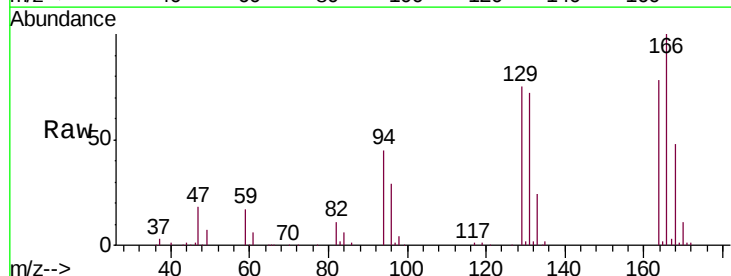
Ion 82.95 (82.65 to 83.65): VU032074.D (-2169) (-)

Ion 85.00 (84.70 to 85.70): VU032074.D (-2169) (-)



#47
 Tetrachloroethene
 Concen: 4.980 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion:	164	Resp:	63145
Ion	Ratio	Lower	Upper
164	100		
129	96.5	70.3	130.5
131	93.0	64.5	119.9
166	128.8	92.3	171.5

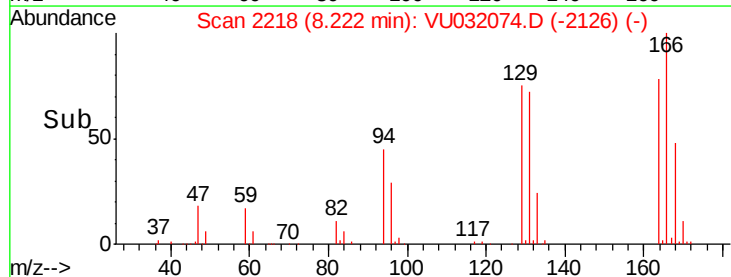
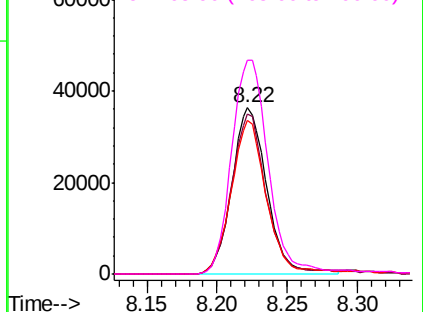


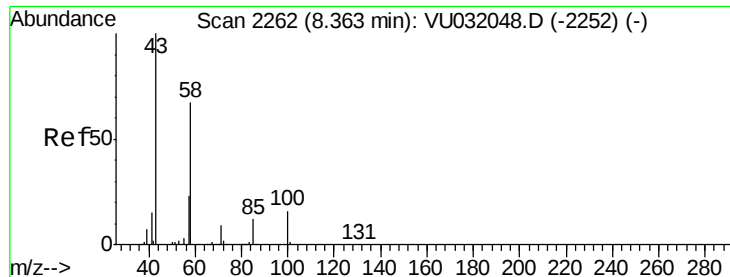
Abundance Ion 163.90 (163.60 to 164.60): VU032074.D (-2219) (-)

Ion 128.95 (128.65 to 129.65): VU032074.D (-2219) (-)

Ion 130.95 (130.65 to 131.65): VU032074.D (-2219) (-)

Ion 165.90 (165.60 to 166.60): VU032074.D (-2219) (-)

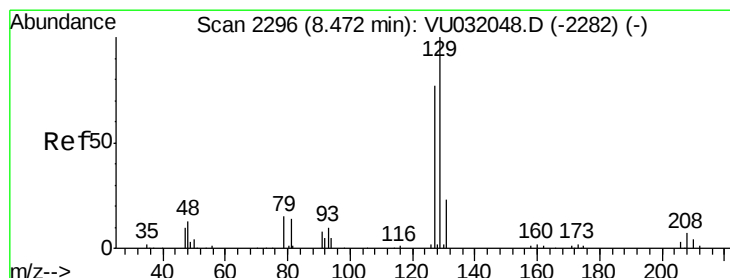
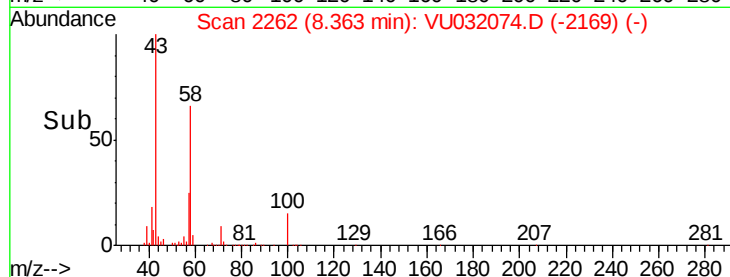
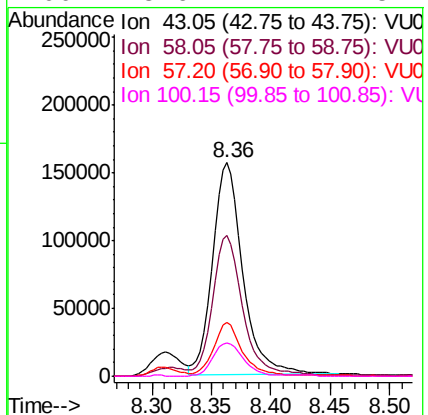
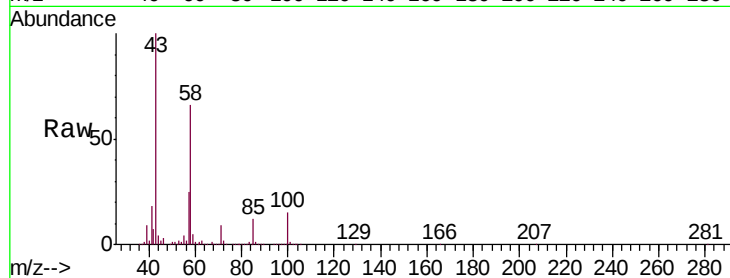




#48
2-Hexanone
Concen: 50.515 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

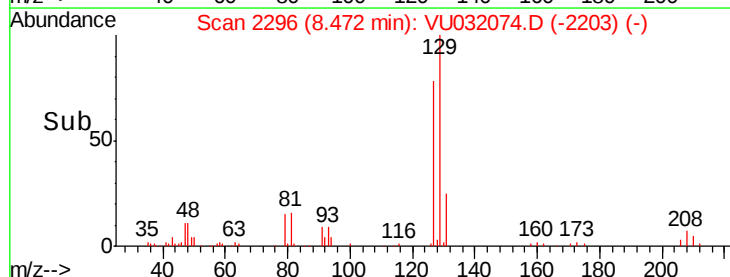
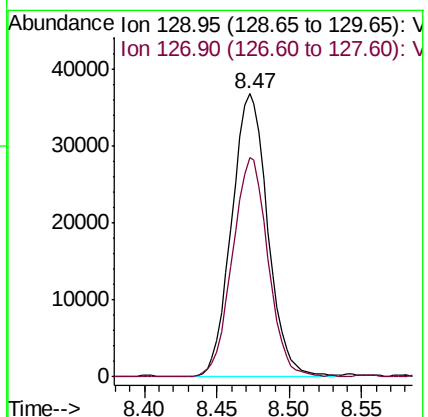
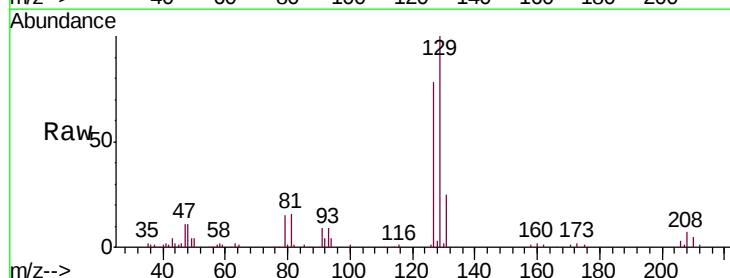
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

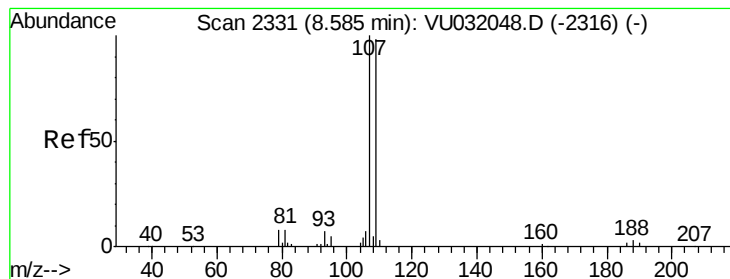
Tgt Ion:	43	Resp:	277716
Ion	Ratio	Lower	Upper
43	100		
58	65.3	51.6	77.4
57	23.8	18.4	27.6
100	15.6	12.2	18.4



#49
Dibromochloromethane
Concen: 4.905 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

Tgt Ion:	129	Resp:	63839
Ion	Ratio	Lower	Upper
129	100		
127	77.6	55.2	102.6





#50

1,2-Dibromoethane

Concen: 5.005 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

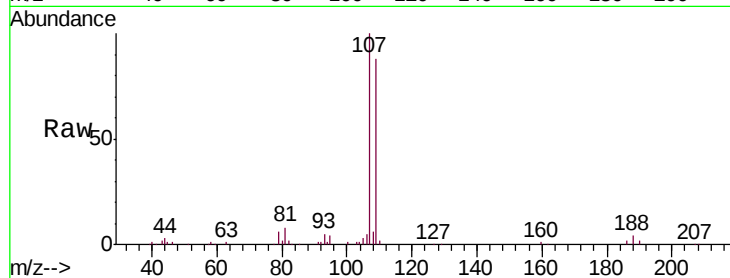
Tgt Ion:107 Resp: 54168

Ion Ratio Lower Upper

107 100

109 87.7 67.8 125.8

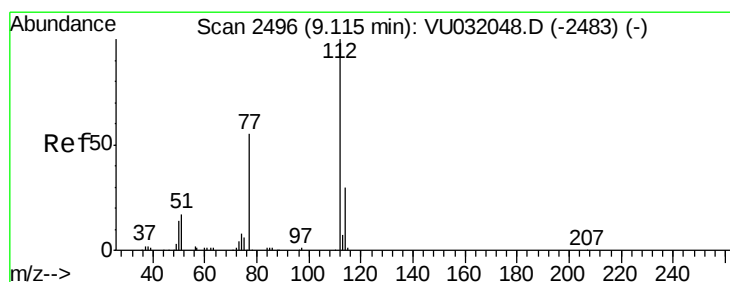
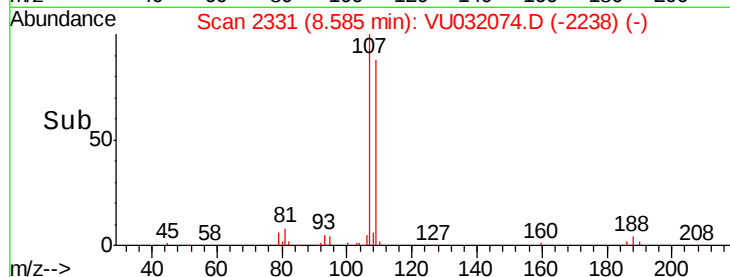
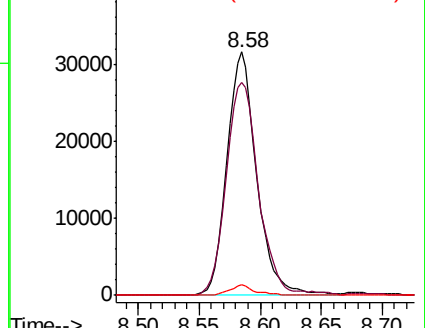
188 4.2 3.5 5.3



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: 5.075 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

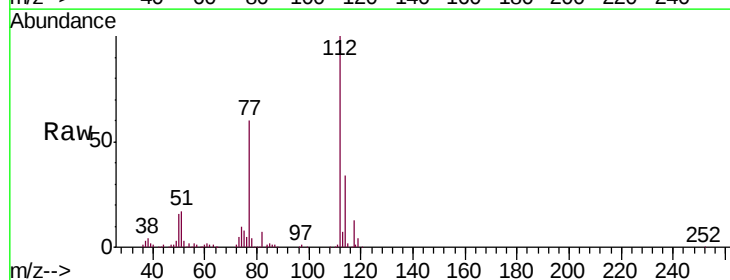
Tgt Ion:112 Resp: 209917

Ion Ratio Lower Upper

112 100

114 33.7 21.6 40.2

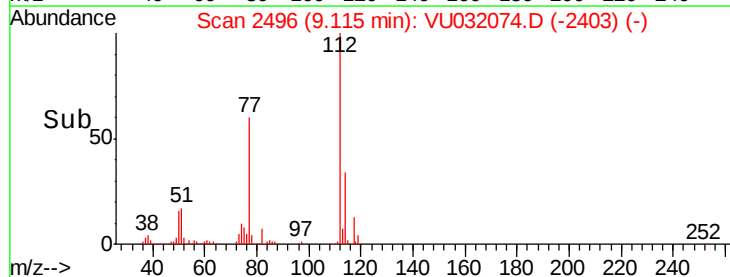
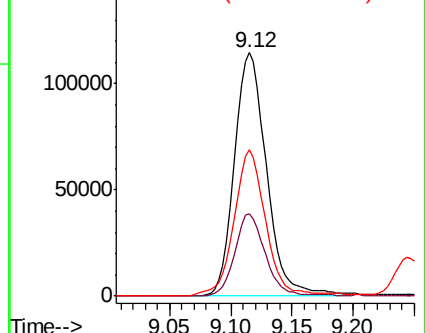
77 60.1 50.3 75.5

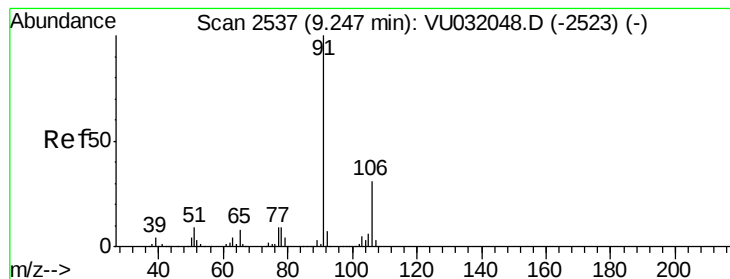


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.033 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

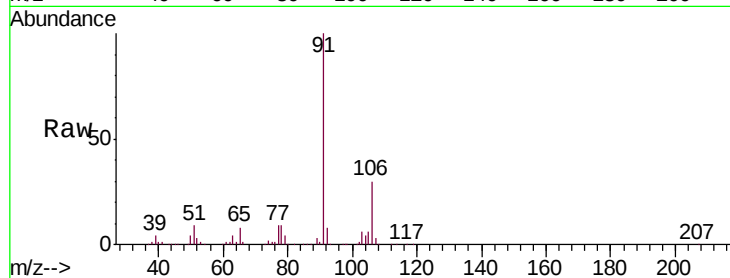
VSTD00502

Tgt Ion: 91 Resp: 330644

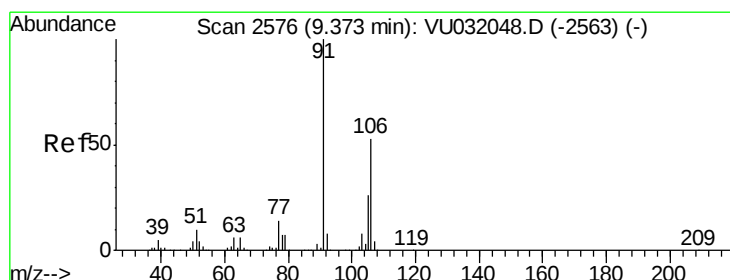
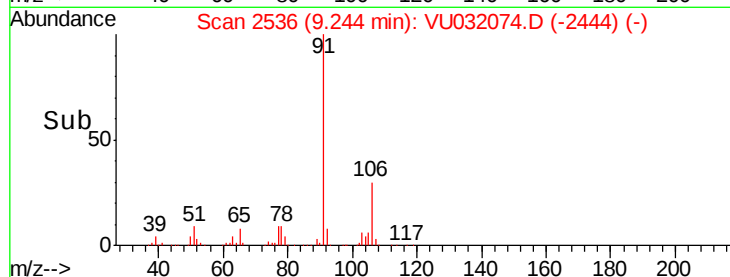
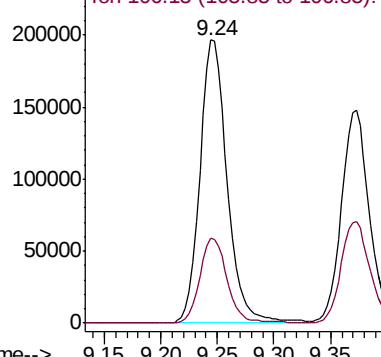
Ion Ratio Lower Upper

91 100

106 30.0 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU032048.D (-2523) (-)



#53

m,p-Xylene

Concen: 5.097 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032074.D

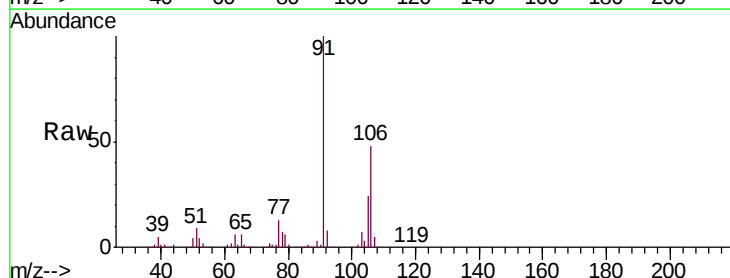
Acq: 17 May 2019 02:03

Tgt Ion: 106 Resp: 127211

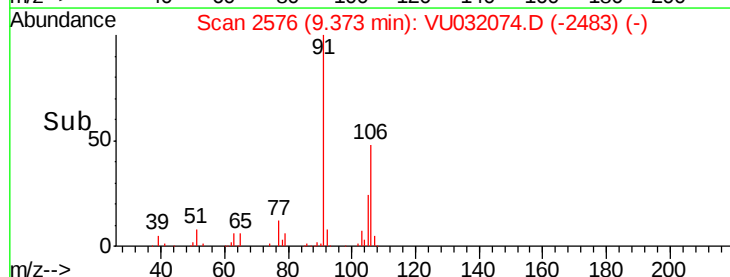
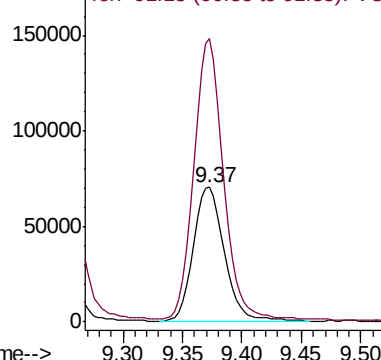
Ion Ratio Lower Upper

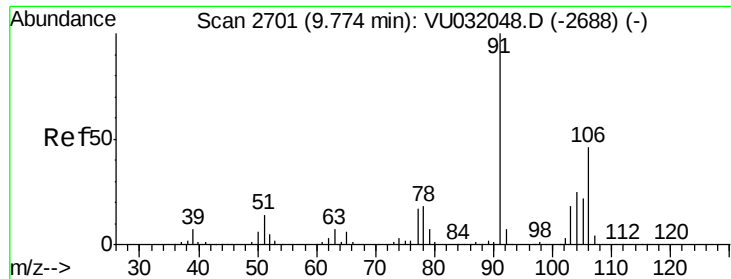
106 100

91 209.9 143.1 265.9



Abundance Ion 106.15 (105.85 to 106.85): VU032048.D (-2563) (-)

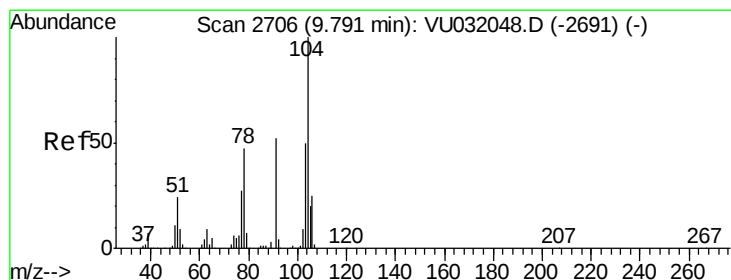
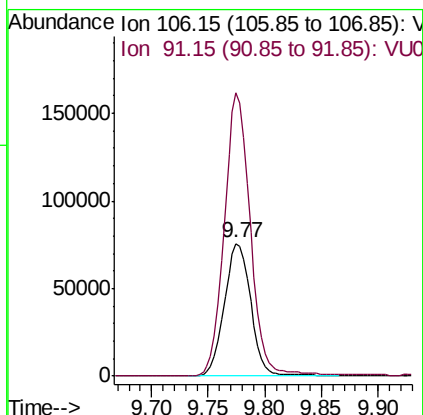
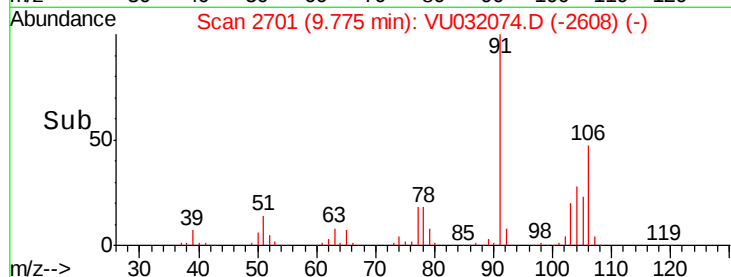
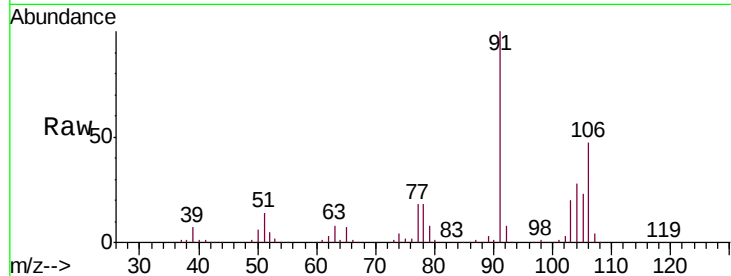




#54
o-Xylene
Concen: 5.147 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

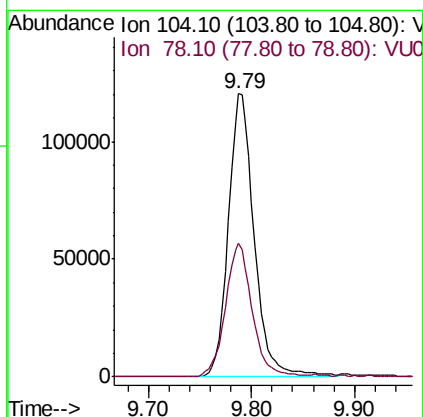
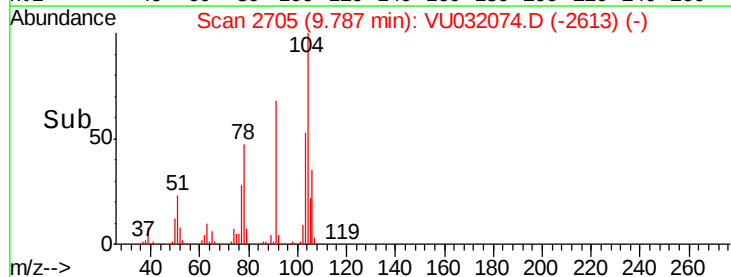
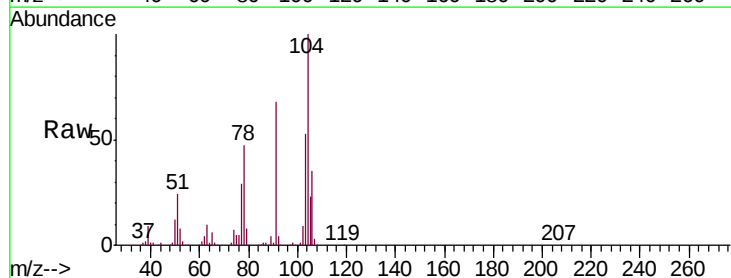
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

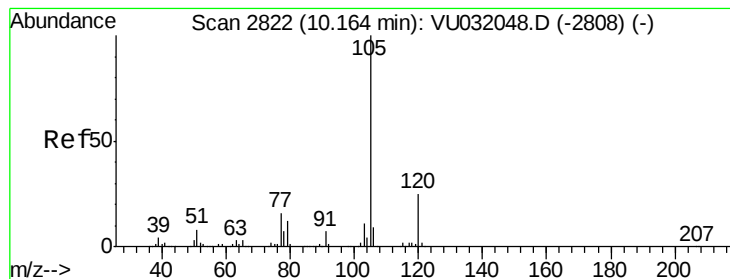
Tgt Ion:106 Resp: 123823
Ion Ratio Lower Upper
106 100
91 213.7 152.9 283.9



#55
Styrene
Concen: 5.175 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032074.D
Acq: 17 May 2019 02:03

Tgt Ion:104 Resp: 211082
Ion Ratio Lower Upper
104 100
78 47.4 31.2 58.0





#56

Isopropylbenzene

Concen: 5.186 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

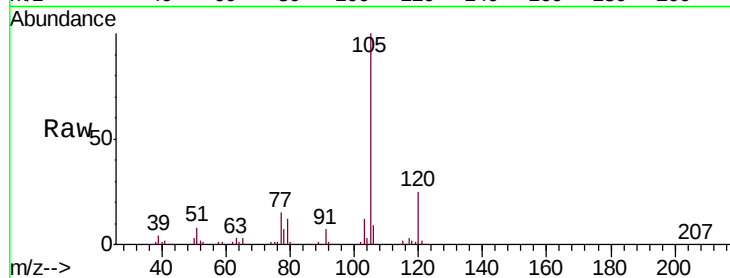
Tgt Ion: 105 Resp: 318811

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

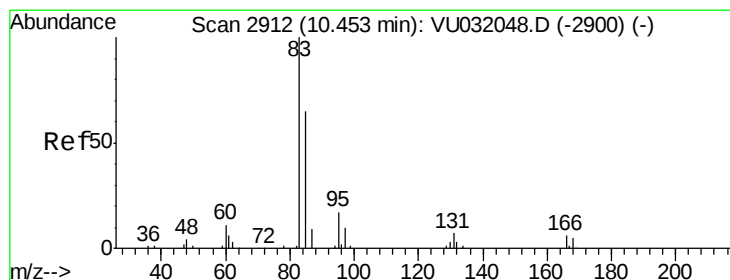
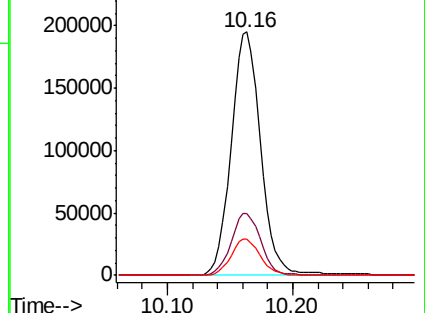
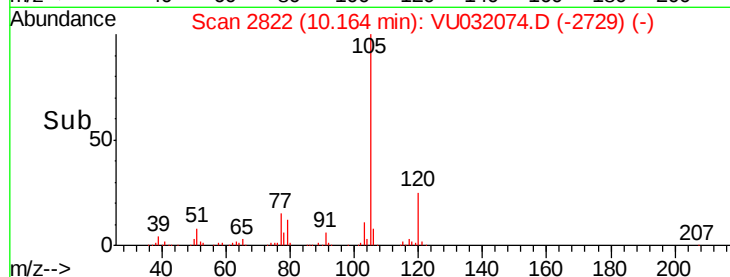
77 14.7 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.938 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

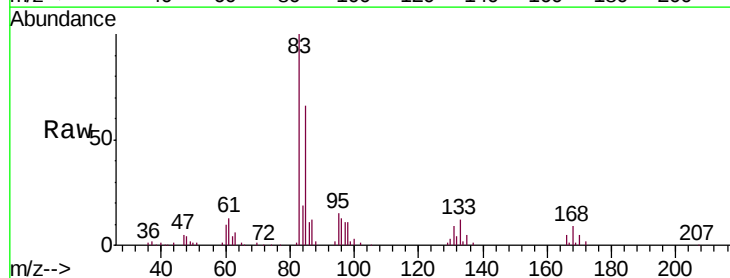
Tgt Ion: 83 Resp: 69584

Ion Ratio Lower Upper

83 100

85 66.4 44.3 82.3

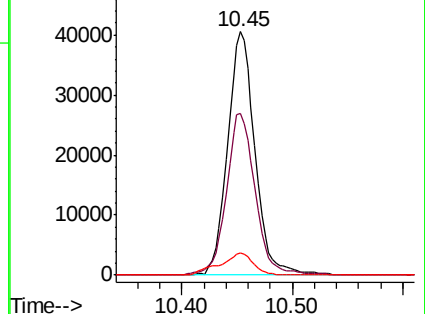
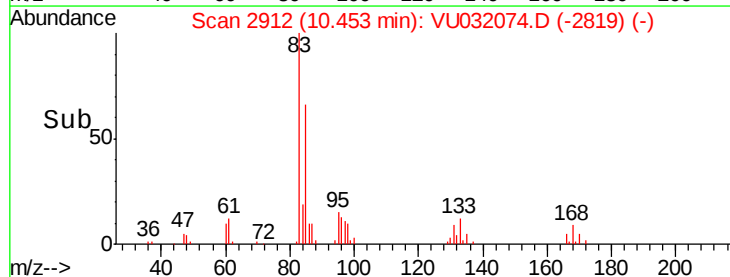
131 9.3 7.4 11.2

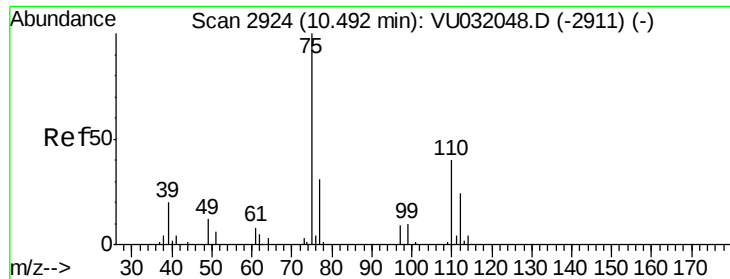


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

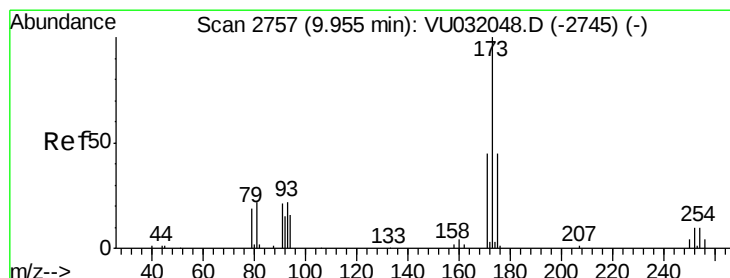
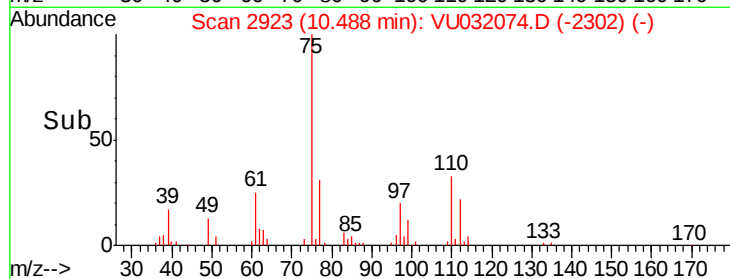
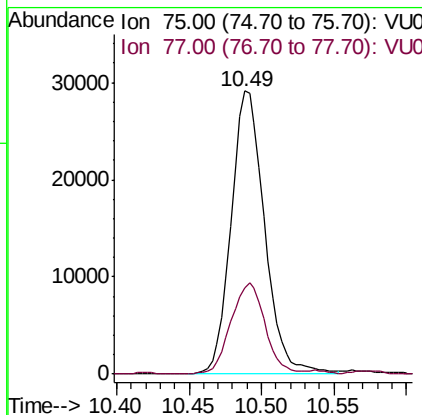
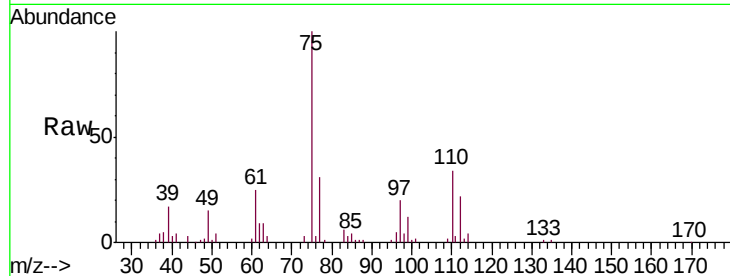




#59
 1,2,3-Trichloropropane
 Concen: 4.825 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

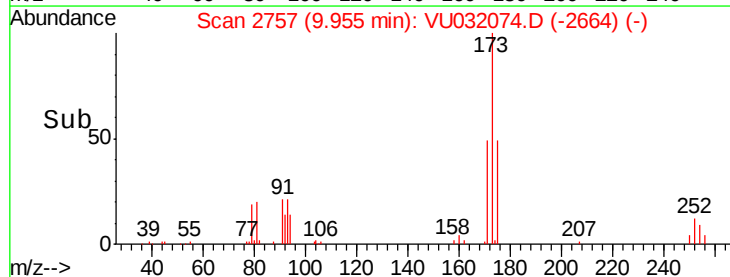
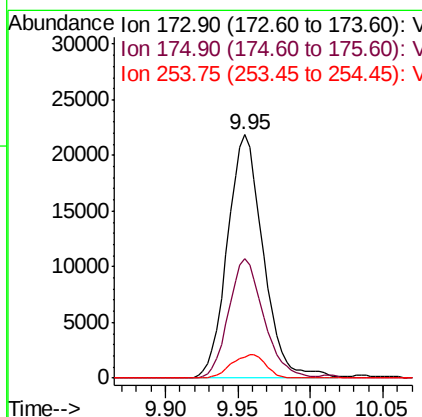
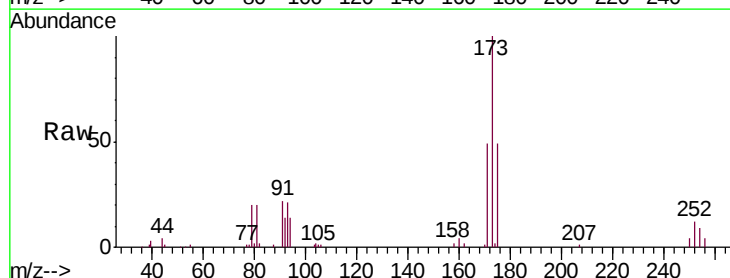
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

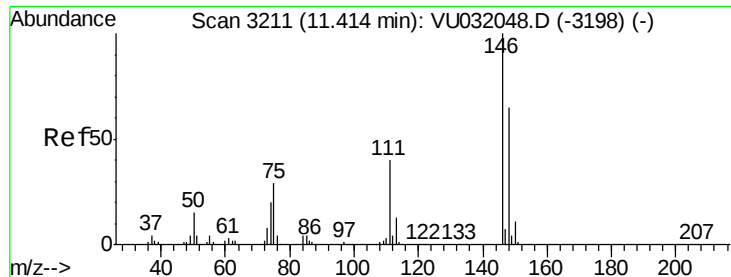
Tgt Ion: 75 Resp: 46855
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.2 39.2



#61
 Bromoform
 Concen: 5.384 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion: 173 Resp: 37429
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.0 57.0
 254 9.2 7.8 11.6

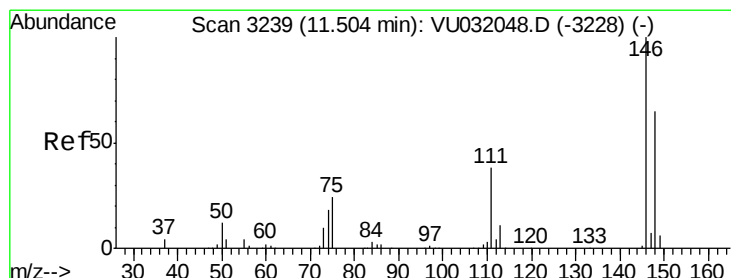
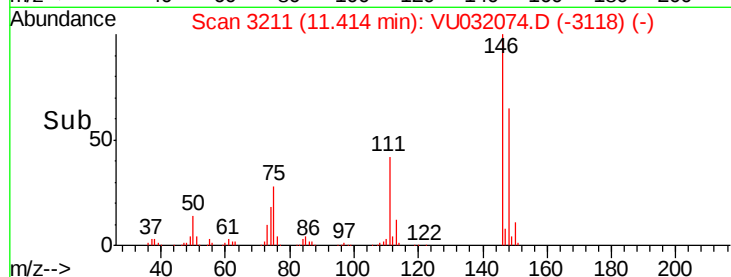
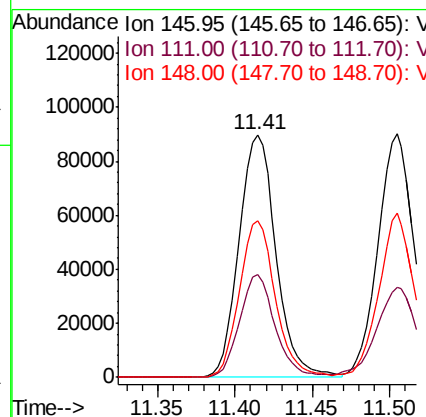
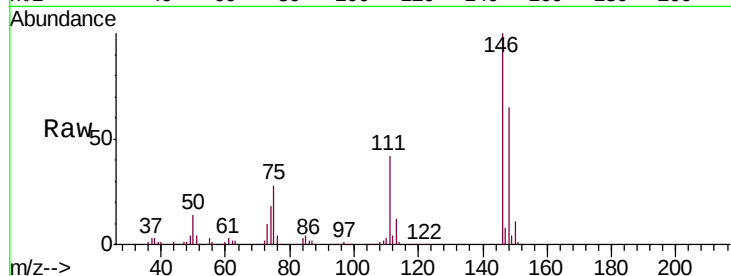




#62
 1,3-Dichlorobenzene
 Concen: 5.174 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

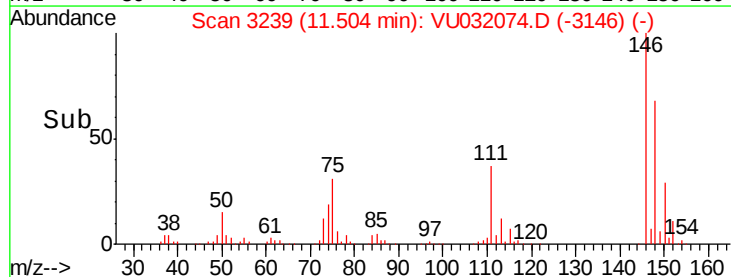
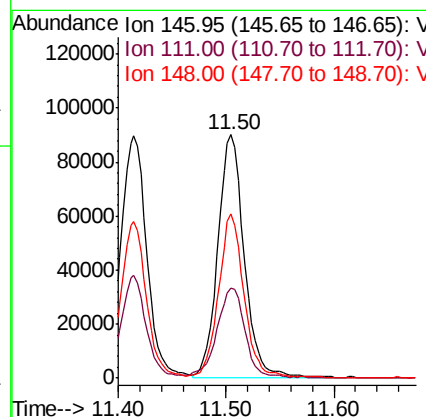
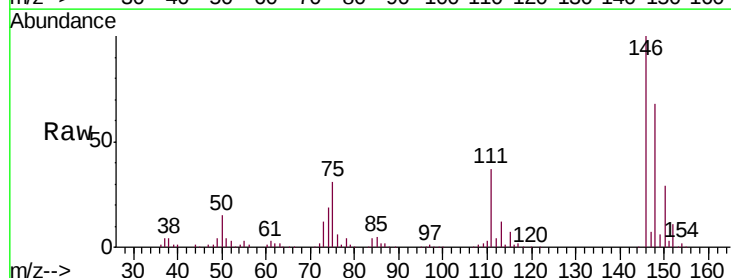
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

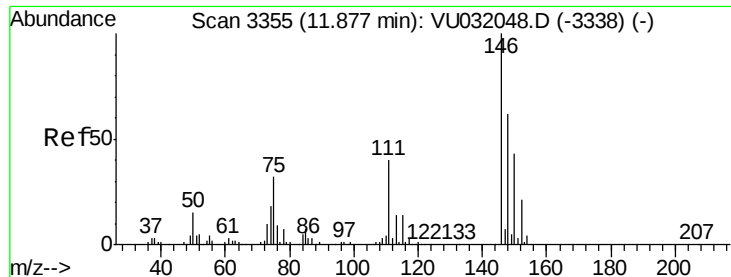
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	27.7	51.5
148	64.6	44.9	83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.074 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	27.1	50.3
148	67.5	45.4	84.4

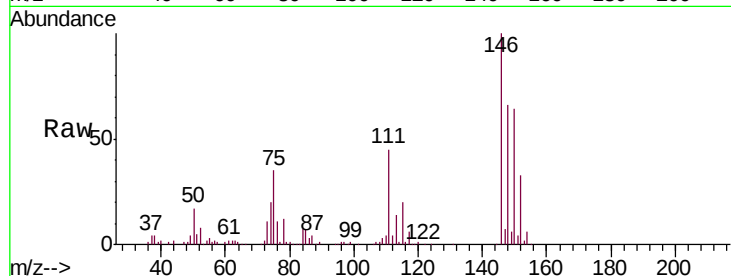




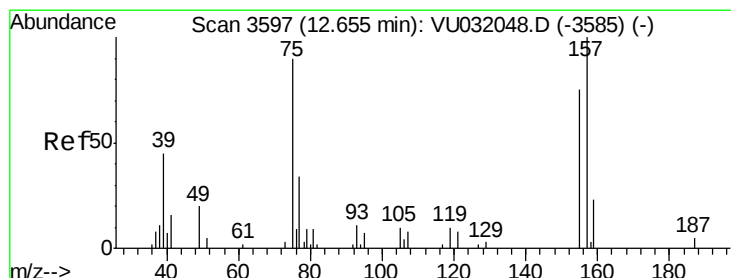
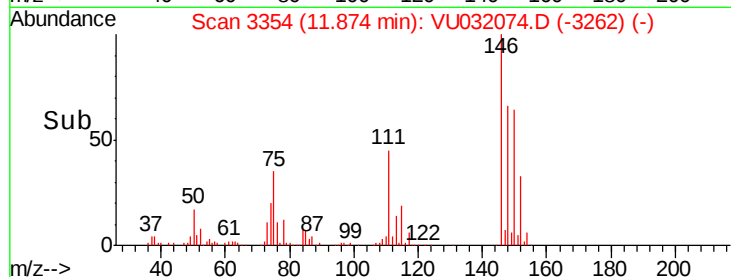
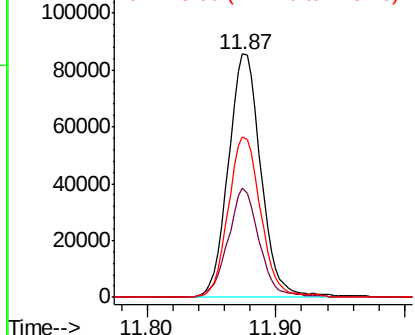
#65
 1,2-Dichlorobenzene
 Concen: 5.131 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion:146 Resp: 150223
 Ion Ratio Lower Upper
 146 100
 111 45.0 33.5 50.3
 148 65.7 50.2 75.4

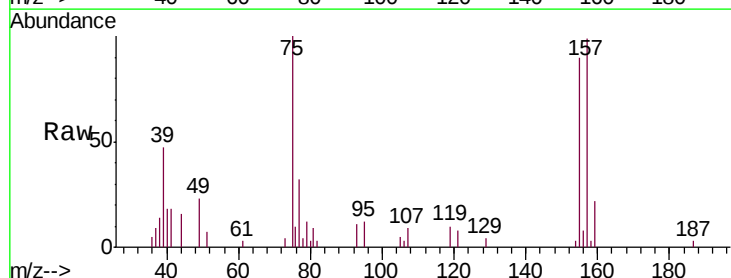


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

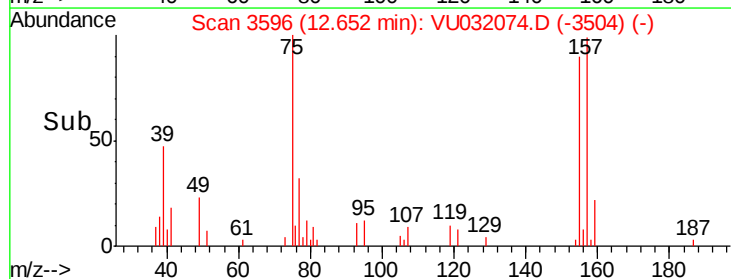
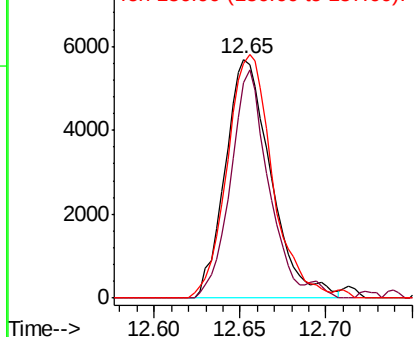


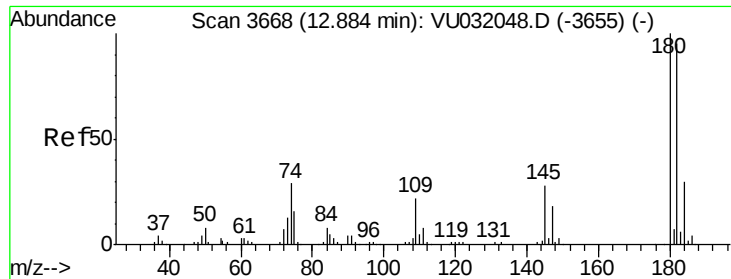
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.514 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion: 75 Resp: 10535
 Ion Ratio Lower Upper
 75 100
 155 90.3 65.0 97.6
 157 98.5 84.3 126.5



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

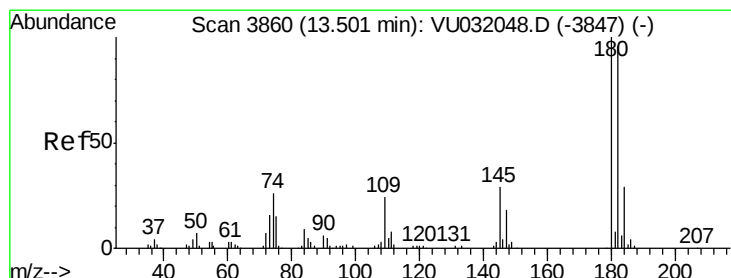
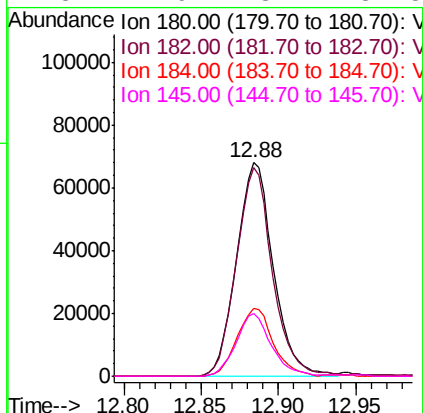
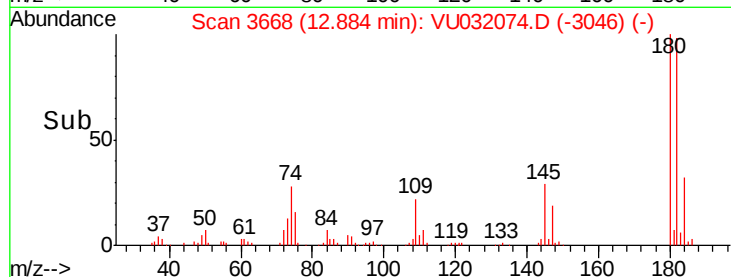
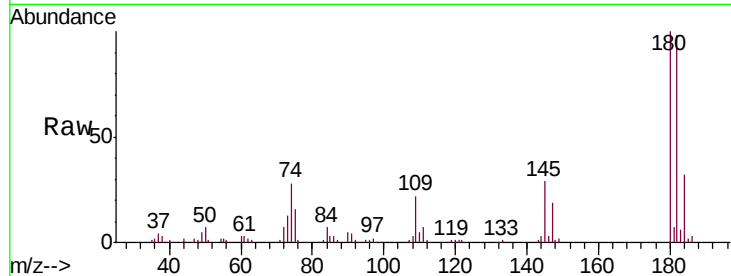




#67
 1,3,5-Trichlorobenzene
 Concen: 5.249 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

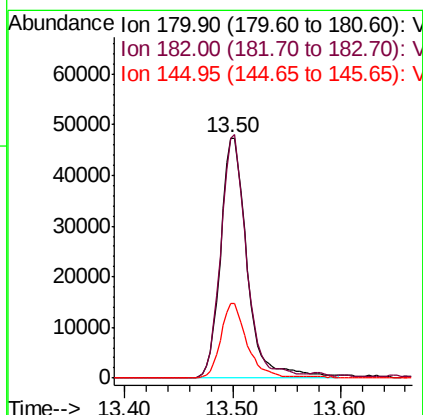
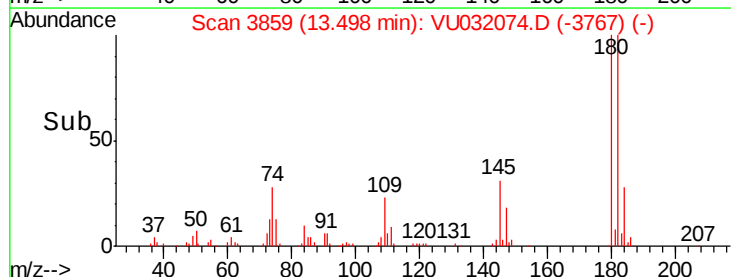
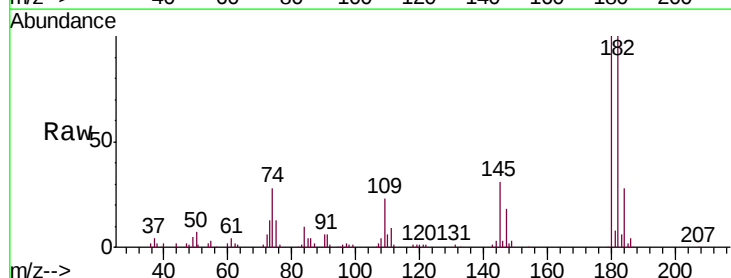
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

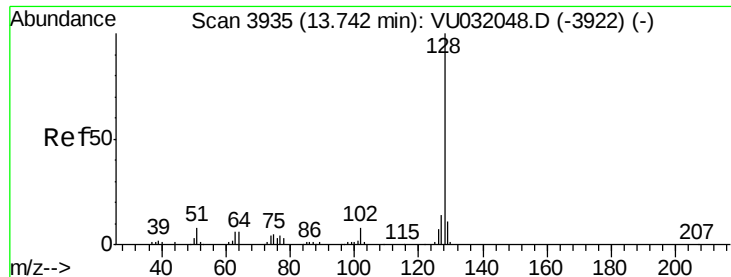
Tgt Ion:	180	Resp:	112755
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.3	115.9
184	31.4	24.5	36.7
145	27.9	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 5.487 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032074.D
 Acq: 17 May 2019 02:03

Tgt Ion:	180	Resp:	81482
Ion	Ratio	Lower	Upper
180	100		
182	98.1	78.4	117.6
145	30.7	23.5	35.3





#69

Naphthalene

Concen: 5.181 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

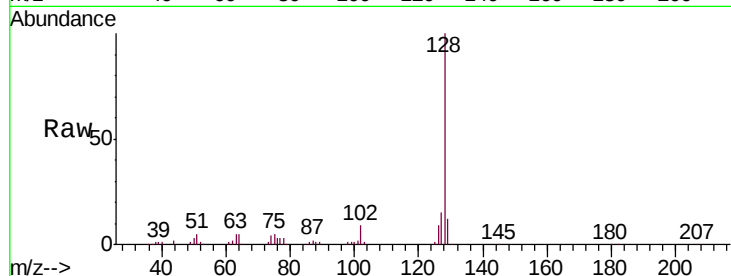
Tgt Ion:128 Resp: 119666

Ion Ratio Lower Upper

128 100

129 11.4 8.0 12.0

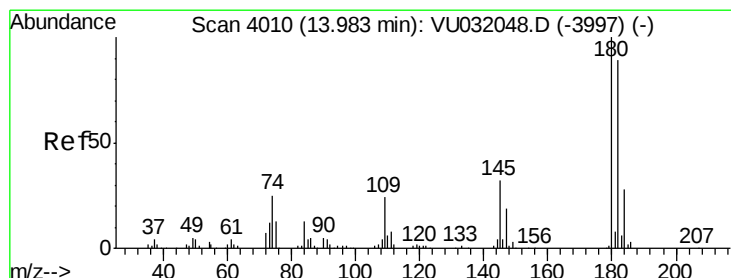
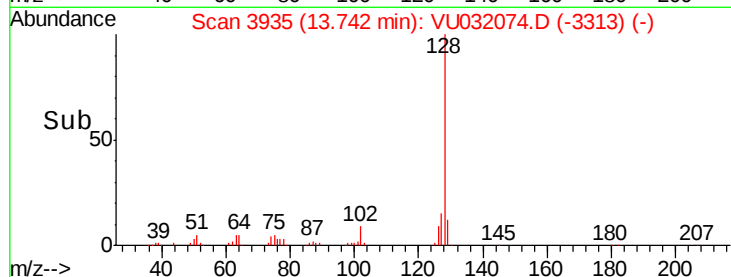
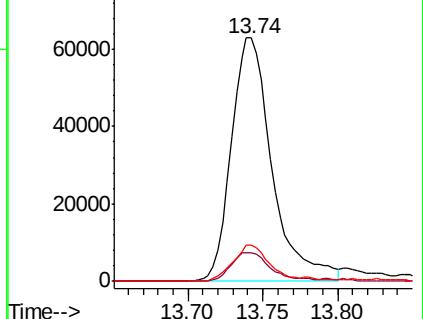
127 13.2 10.1 15.1



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: 5.546 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032074.D

Acq: 17 May 2019 02:03

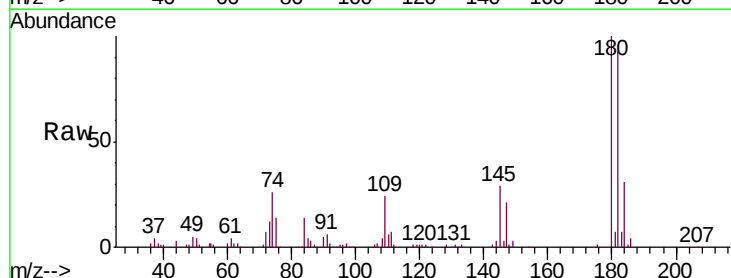
Tgt Ion:180 Resp: 83599

Ion Ratio Lower Upper

180 100

182 94.8 75.3 112.9

145 29.6 25.2 37.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

