

Data File : VU032455.D
Acq On : 05 Jun 2019 12:16
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Quant Time: Jun 06 01:09:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 06 01:05:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	101567	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	95799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	50763	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29718	4.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.00%
7) Chloroethane-d5	1.68	69	25129	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.27	63	61550	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.80%
20) 2-Butanone-d5	4.20	46	93108	50.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.04%
24) Chloroform-d	4.64	84	56228	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.31	65	29953	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.33	84	112474	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.32	67	34861	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.56	98	102473	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.85	79	14629	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.31	63	73104	46.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29192	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	42863	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	42026	4.822	ug/L 100
3) Chloromethane	1.33	50	43136	4.772	ug/L 98
5) Vinyl chloride	1.40	62	43508	4.897	ug/L 98
6) Bromomethane	1.63	94	25259	4.661	ug/L 96
8) Chloroethane	1.69	64	26922	4.743	ug/L 99
9) Trichlorofluoromethane	1.88	101	62894	4.947	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	32613	4.825	ug/L 99
12) 1,1-Dichloroethene	2.28	96	30013	4.651	ug/L 96
13) Acetone	2.34	43	67142	46.940	ug/L 99
14) Carbon disulfide	2.47	76	95843	4.638	ug/L 100
15) Methyl Acetate	2.62	43	17129	4.364	ug/L 99
16) Methylene chloride	2.69	84	33586	4.693	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	88081	4.667	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	32959	4.734	ug/L 95
19) 1,1-Dichloroethane	3.43	63	59476	4.772	ug/L 98
21) 2-Butanone	4.29	43	100957	48.528	ug/L 97
22) cis-1,2-Dichloroethene	4.22	96	37630	4.776	ug/L 94

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17301	5.101	ug/L	96
25) Chloroform	4.67	83	62410	4.902	ug/L	94
27) 1,2-Dichloroethane	5.40	62	39738	4.749	ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	55197	4.728	ug/L	99
30) Cyclohexane	4.98	56	56854	4.608	ug/L	98
31) Carbon tetrachloride	5.12	117	50851	4.791	ug/L	99
33) Benzene	5.38	78	135644	4.802	ug/L	100
34) Trichloroethene	6.18	95	38032	4.681	ug/L	98
35) Methylcyclohexane	6.40	83	62239	4.763	ug/L	98
37) 1,2-Dichloropropane	6.43	63	34499	4.721	ug/L	99
38) Bromodichloromethane	6.75	83	43984	4.683	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	54221	4.833	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	244174	46.951	ug/L	99
42) Toluene	7.63	91	148781	4.726	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	41957	4.684	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	24506	4.609	ug/L	95
47) Tetrachloroethene	8.22	164	31864	4.984	ug/L	96
48) 2-Hexanone	8.36	43	174461	46.943	ug/L	98
49) Dibromochloromethane	8.47	129	31902	4.691	ug/L	99
50) 1,2-Dibromoethane	8.58	107	25774	4.864	ug/L #	96
51) Chlorobenzene	9.12	112	97109	4.920	ug/L	98
52) Ethylbenzene	9.24	91	166610	4.803	ug/L	99
53) m,p-Xylene	9.37	106	64378	4.895	ug/L	99
54) o-Xylene	9.77	106	63507	4.838	ug/L	97
55) Styrene	9.79	104	104164	4.824	ug/L	99
56) Isopropylbenzene	10.16	105	166152	4.799	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	31266	4.598	ug/L	96
59) 1,2,3-Trichloropropane	10.49	75	23102	4.814	ug/L	100
61) Bromoform	9.95	173	18352	4.500	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	79686	4.809	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	80008	4.749	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	75649	4.724	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	4981	4.430	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	65213	4.910	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	54006	5.043	ug/L	99
69) Naphthalene	13.74	128	92109	4.907	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	50448	4.731	ug/L	96

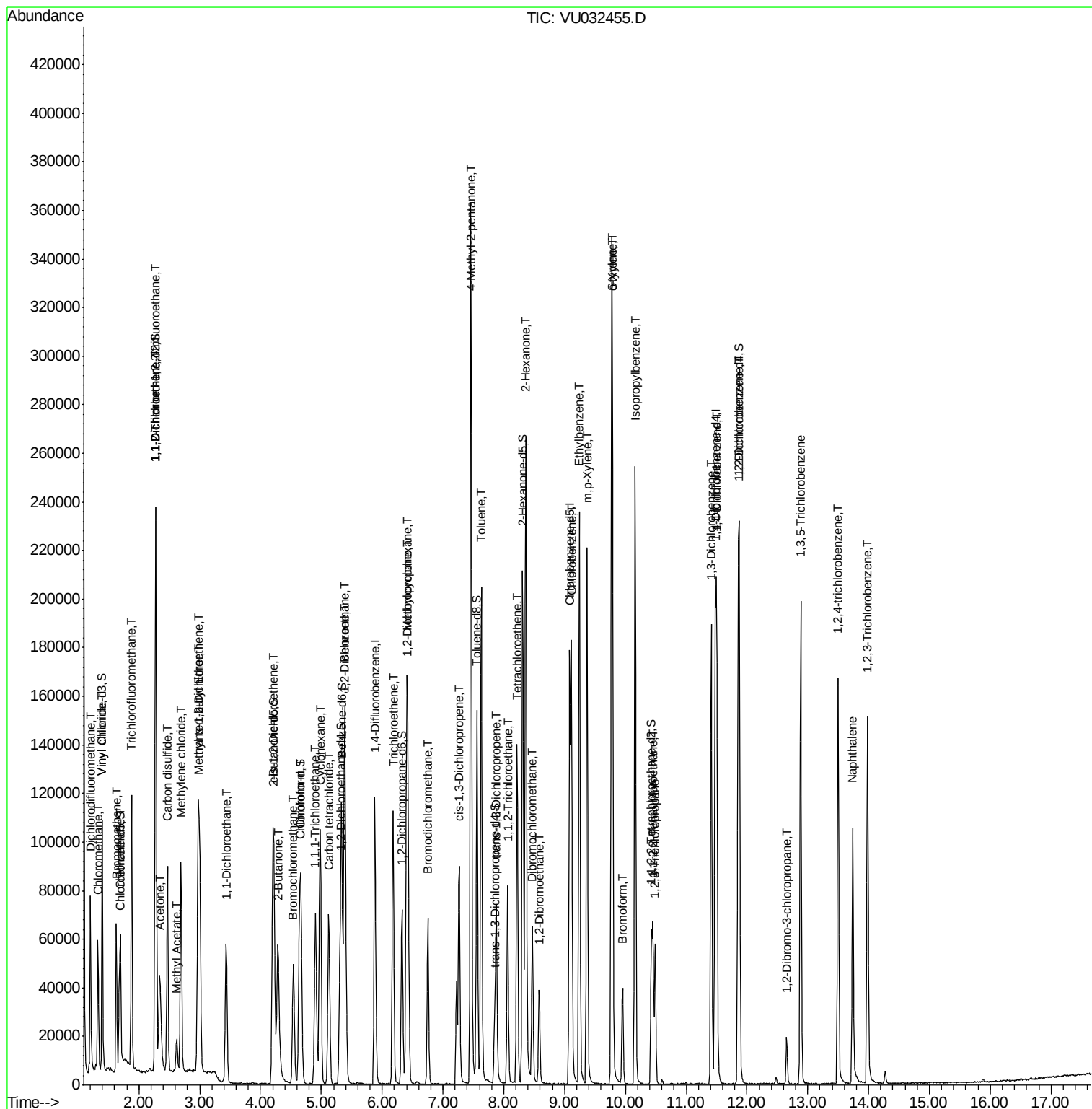
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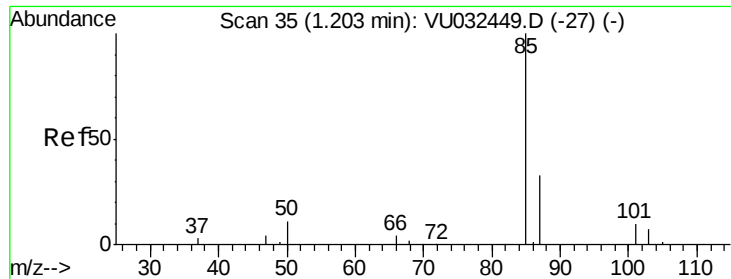
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#2

Dichlorodifluoromethane

Concen: 4.822 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

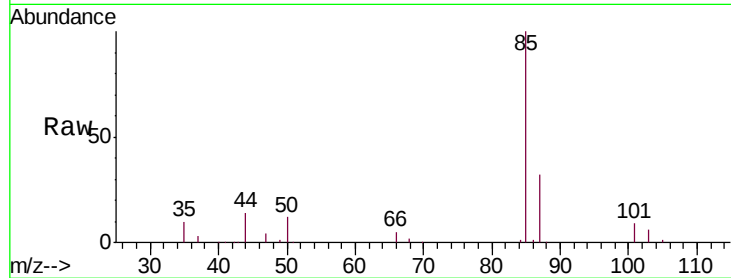
VSTD00522

Tgt Ion: 85 Resp: 42026

Ion Ratio Lower Upper

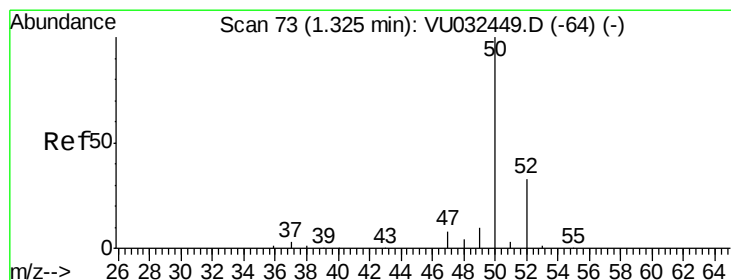
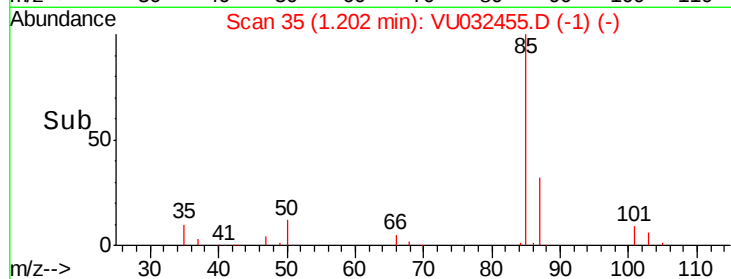
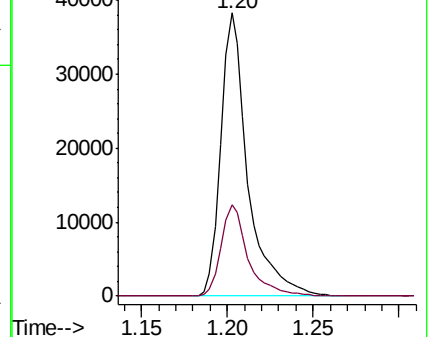
85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032449.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032449.D (-27) (-)



#3

Chloromethane

Concen: 4.772 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032455.D

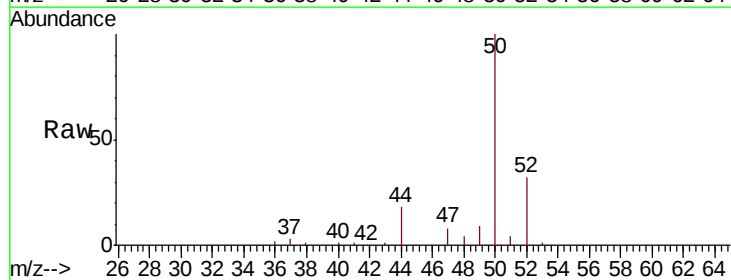
Acq: 05 Jun 2019 12:16

Tgt Ion: 50 Resp: 43136

Ion Ratio Lower Upper

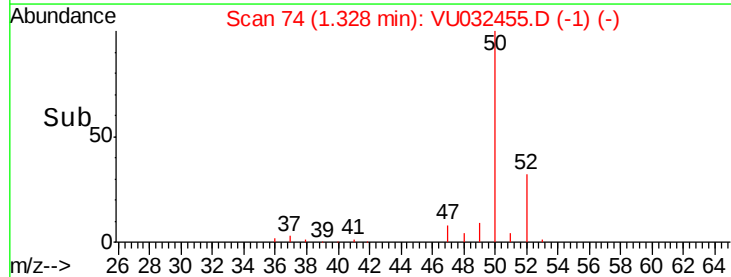
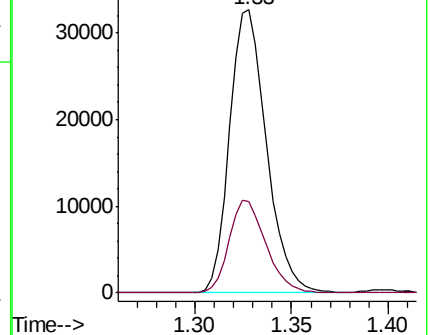
50 100

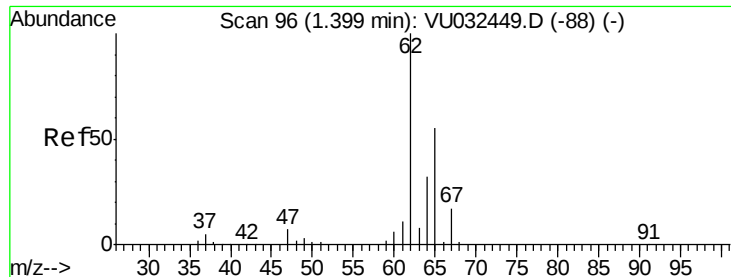
52 32.1 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032449.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032449.D (-64) (-)





#5

Vinyl chloride

Concen: 4.897 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

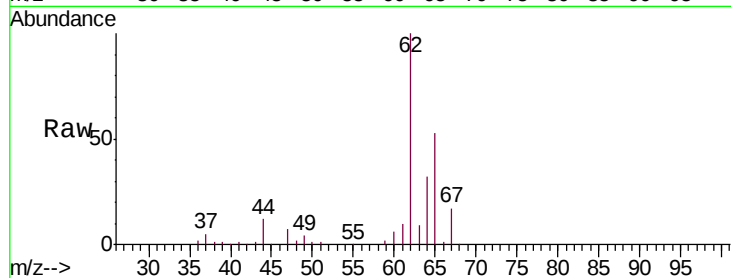
VSTD00522

Tgt Ion: 62 Resp: 43508

Ion Ratio Lower Upper

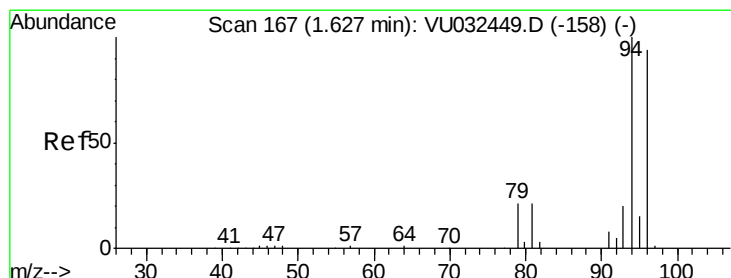
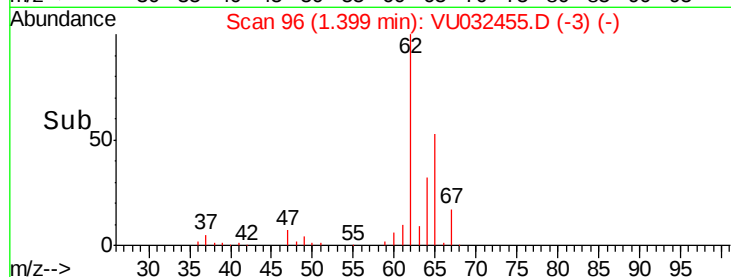
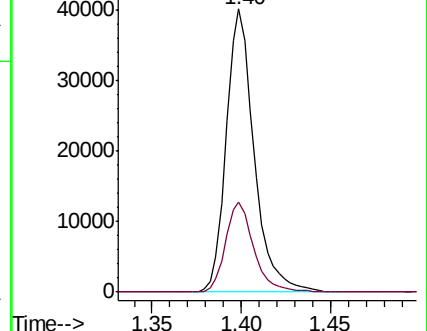
62 100

64 32.0 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032449.D (-88) (-)

Ion 64.10 (63.80 to 64.80): VU032449.D (-88) (-)



#6

Bromomethane

Concen: 4.661 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU032455.D

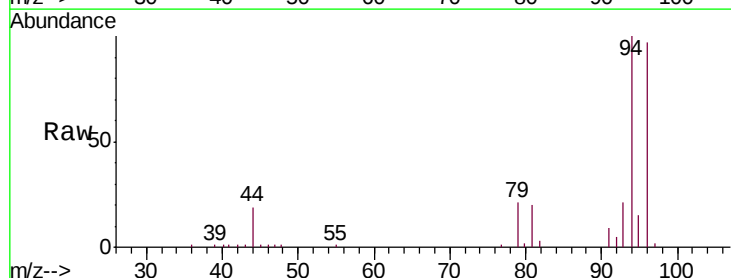
Acq: 05 Jun 2019 12:16

Tgt Ion: 94 Resp: 25259

Ion Ratio Lower Upper

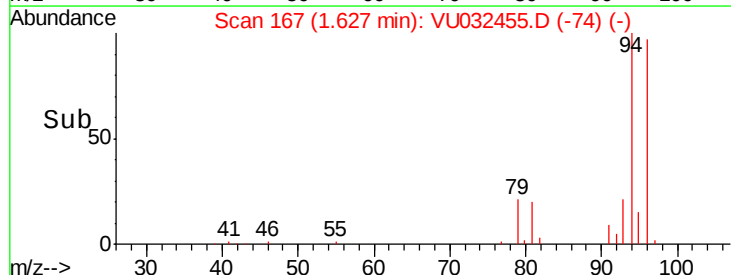
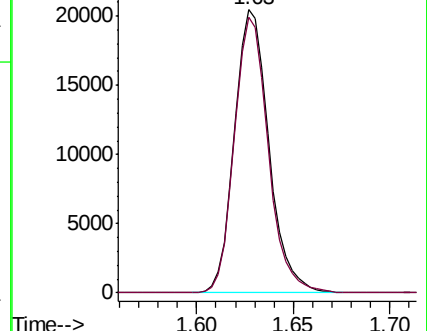
94 100

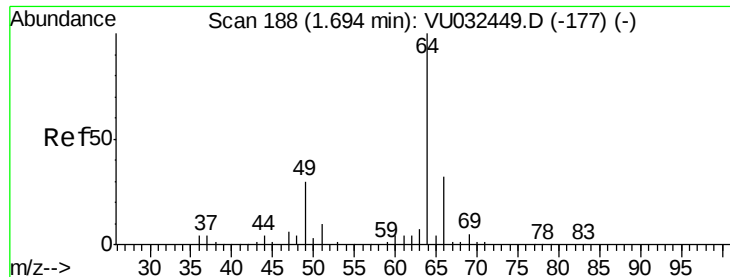
96 97.4 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032449.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU032449.D (-158) (-)





#8

Chloroethane

Concen: 4.743 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

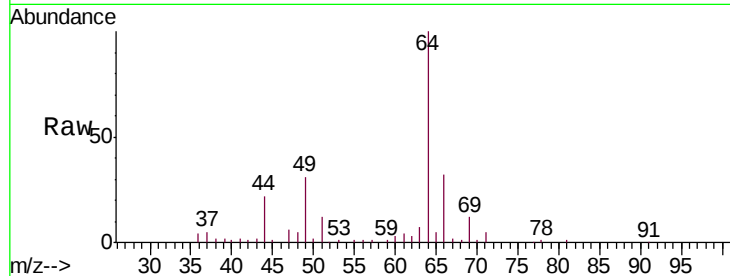
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tgt Ion: 64 Resp: 26922

Ion Ratio Lower Upper

64 100

66 32.2 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032449.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU032449.D (-177) (-)

1.69

25000

20000

15000

10000

5000

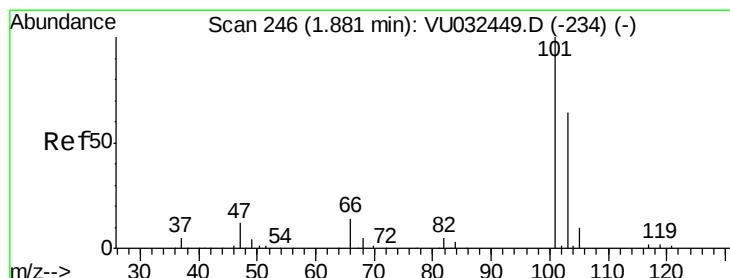
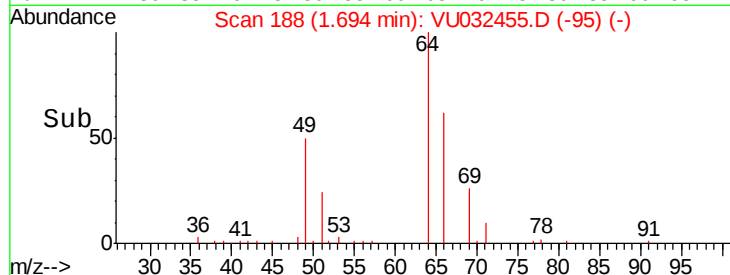
0

1.65

1.70

1.75

Time-->



#9

Trichlorofluoromethane

Concen: 4.947 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032455.D

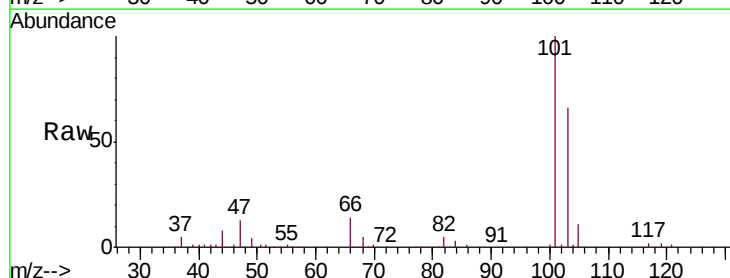
Acq: 05 Jun 2019 12:16

Tgt Ion: 101 Resp: 62894

Ion Ratio Lower Upper

101 100

103 65.8 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032449.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU032449.D (-234) (-)

1.88

50000

40000

30000

20000

10000

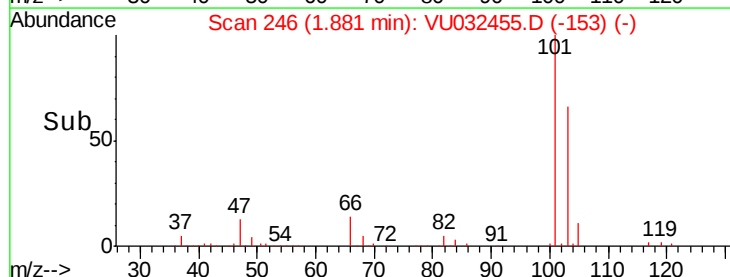
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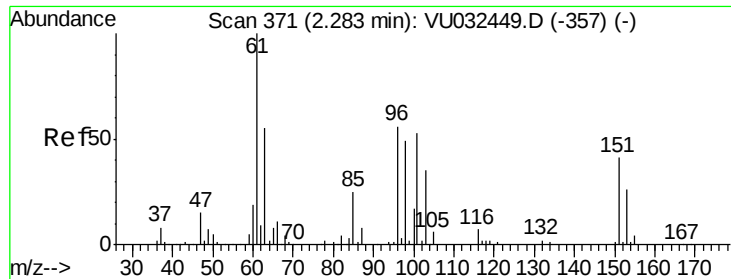
1.85

1.90

1.95

Time-->





#10

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

Concen: 4.825 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

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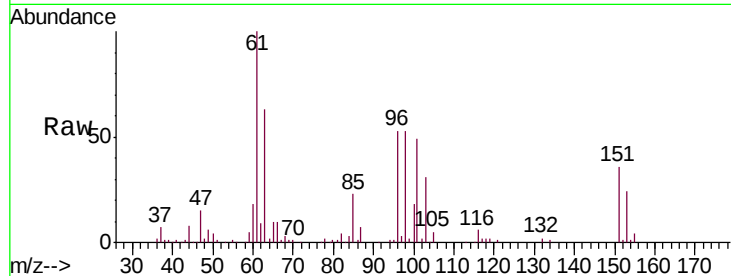
Tgt Ion: 101 Resp: 32613

Ion Ratio Lower Upper

101 100

85 47.1 38.9 58.3

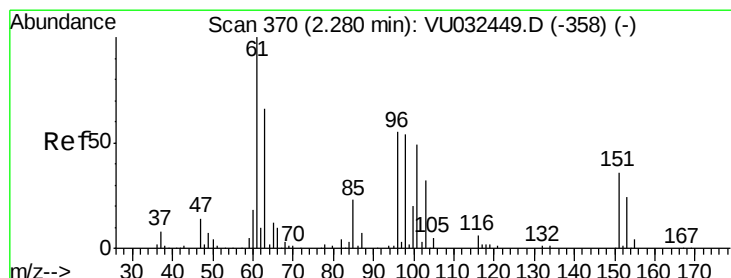
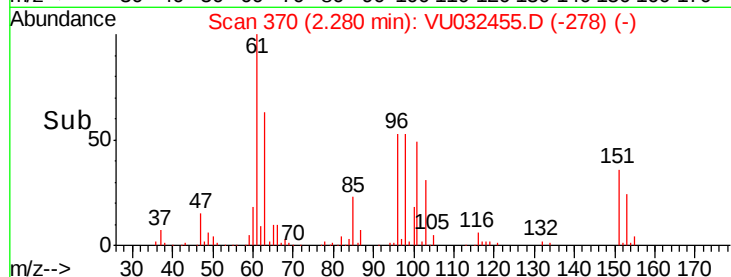
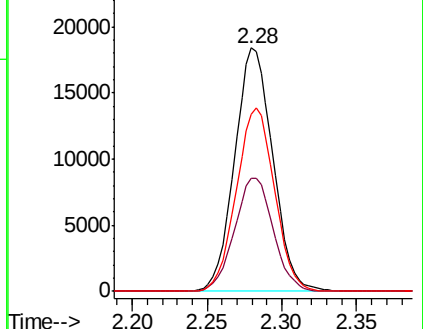
151 75.3 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.651 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

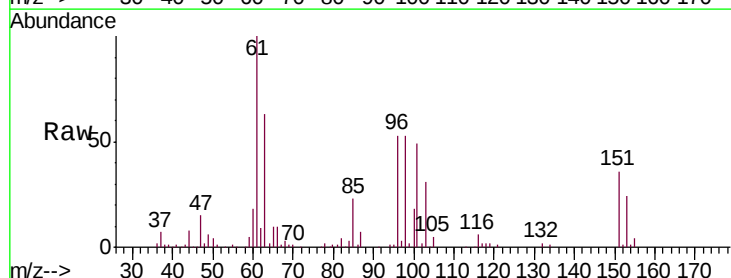
Tgt Ion: 96 Resp: 30013

Ion Ratio Lower Upper

96 100

61 187.4 131.8 244.8

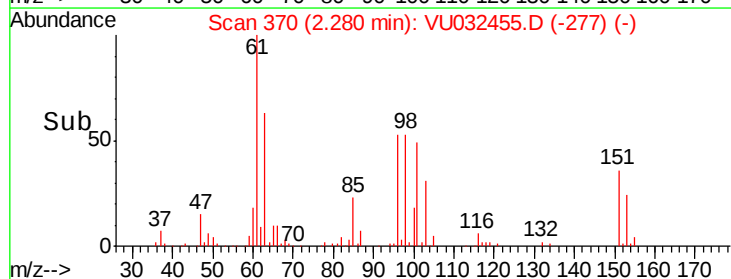
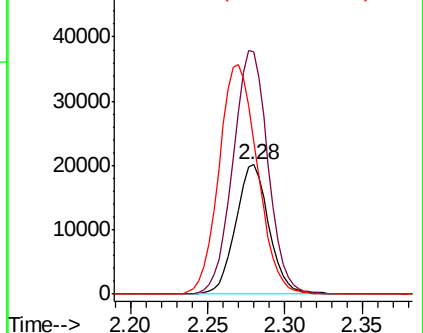
63 118.8 90.1 167.3

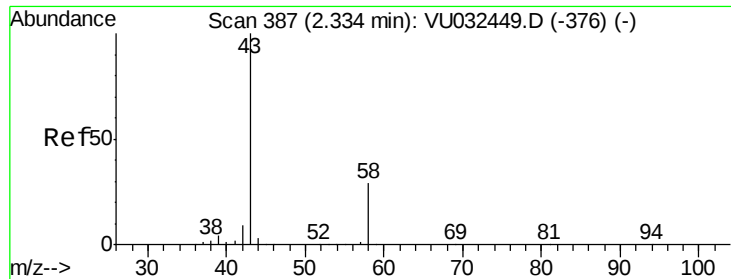


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.940 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.01 min

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ClientSampleId :

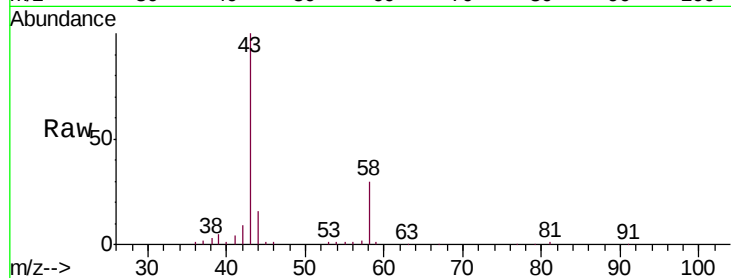
VSTD00522

Tgt Ion: 43 Resp: 67142

Ion Ratio Lower Upper

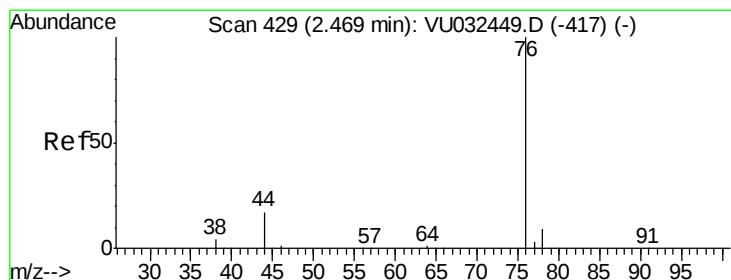
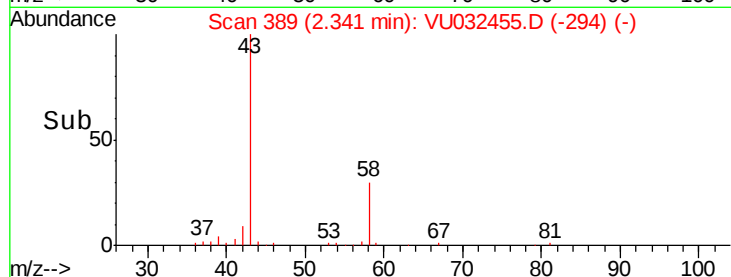
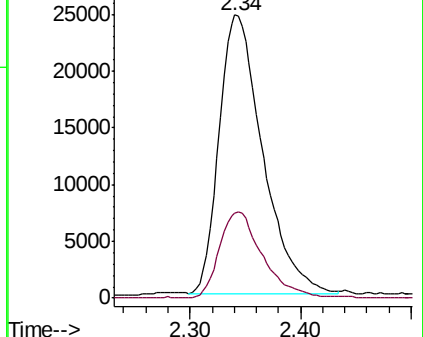
43 100

58 30.7 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032449.D (-376) (-)

Ion 58.05 (57.75 to 58.75): VU032449.D (-376) (-)



#14

Carbon disulfide

Concen: 4.638 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032455.D

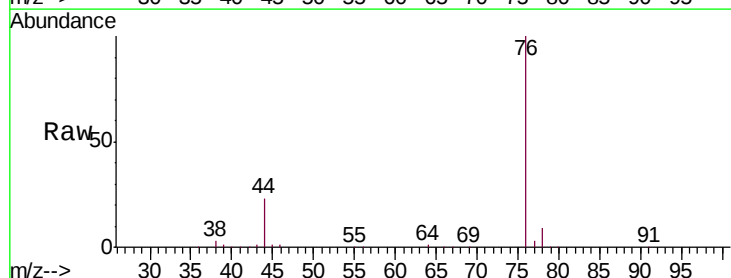
Acq: 05 Jun 2019 12:16

Tgt Ion: 76 Resp: 95843

Ion Ratio Lower Upper

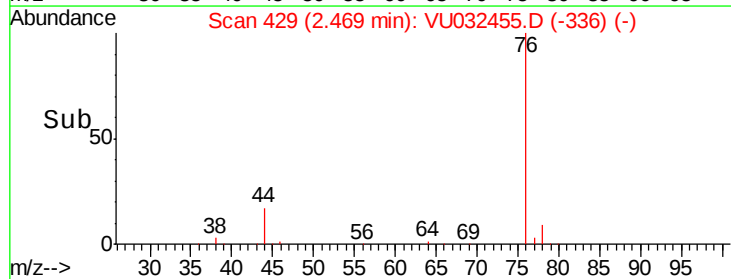
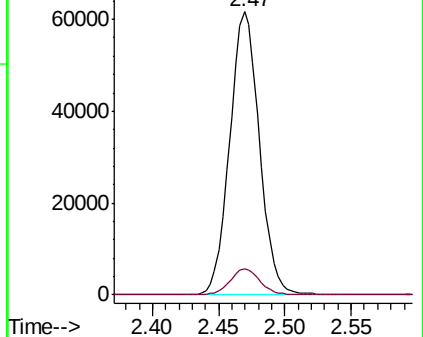
76 100

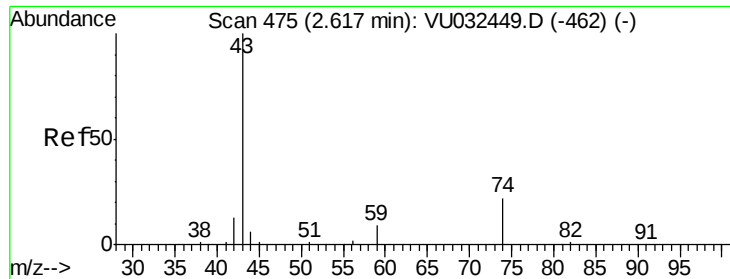
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU032449.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032449.D (-417) (-)





#15

Methyl Acetate

Concen: 4.364 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

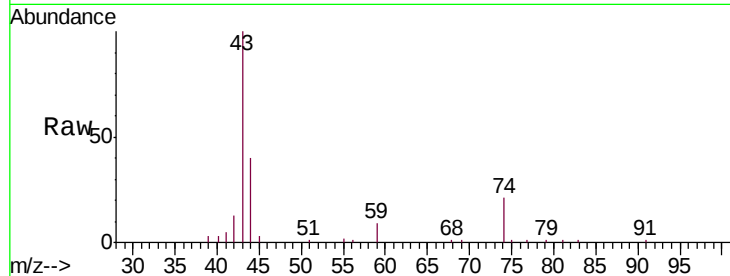
VSTD00522

Tgt Ion: 43 Resp: 17129

Ion Ratio Lower Upper

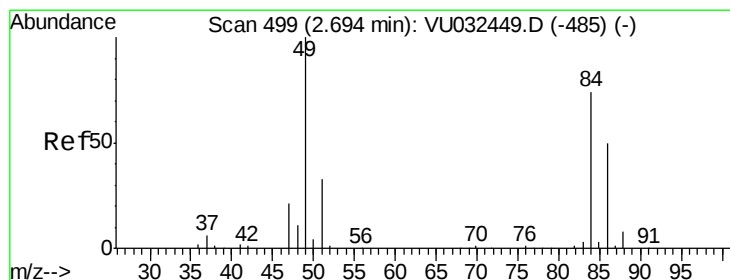
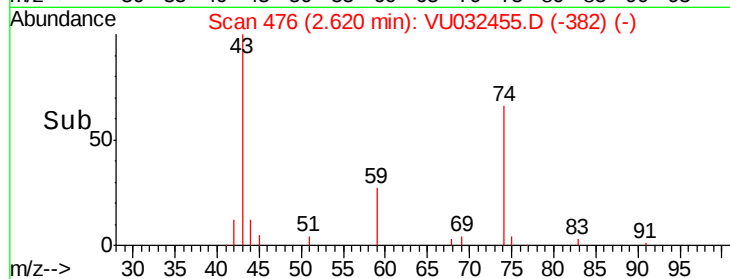
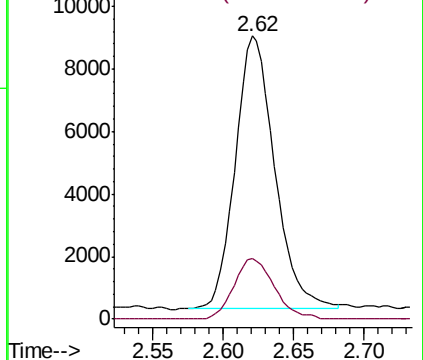
43 100

74 22.7 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.693 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

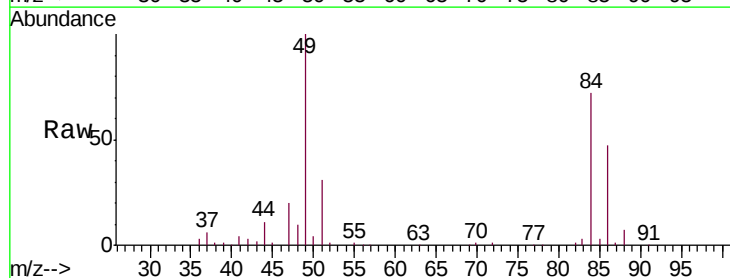
Tgt Ion: 84 Resp: 33586

Ion Ratio Lower Upper

84 100

86 65.8 47.2 87.6

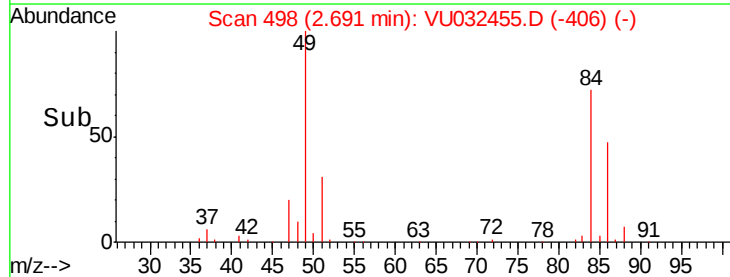
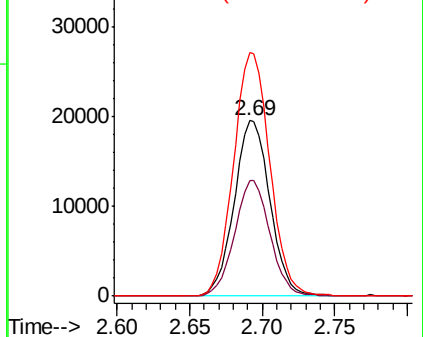
49 138.9 95.9 178.1

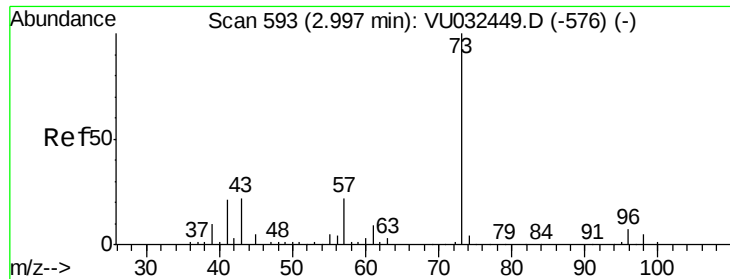


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

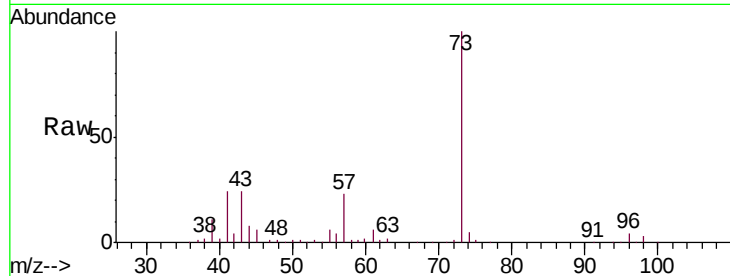




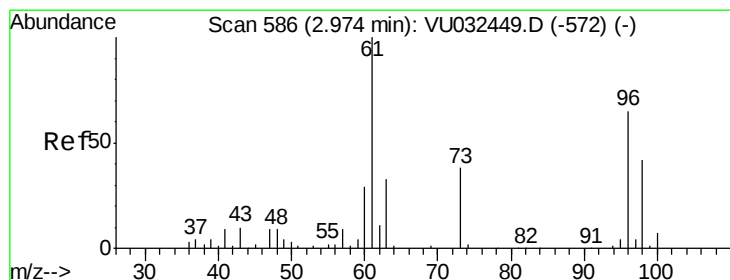
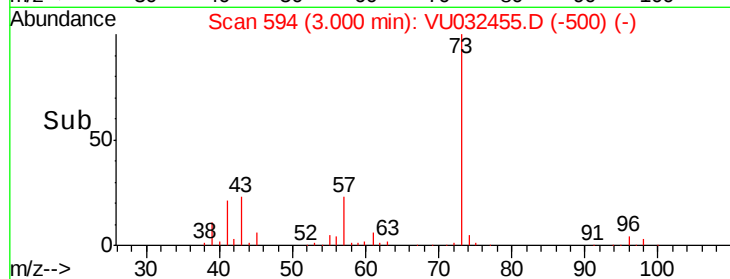
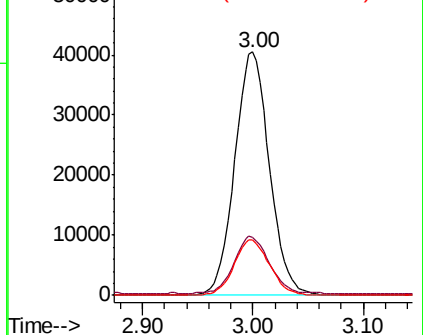
#17
Methyl tert-butyl Ether
Concen: 4.667 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU032455.D
Acq: 05 Jun 2019 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tgt Ion: 73 Resp: 88081
Ion Ratio Lower Upper
73 100
43 23.7 18.6 27.8
57 23.5 18.3 27.5

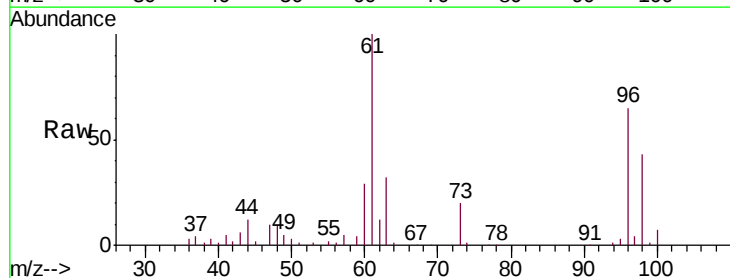


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

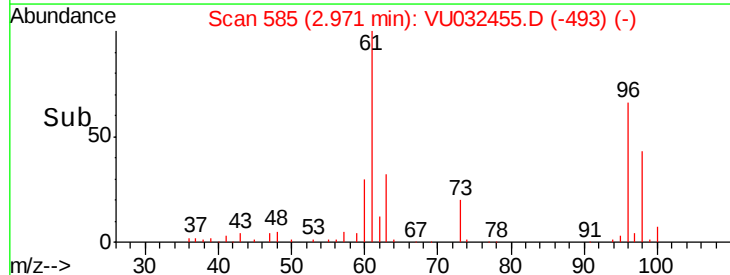
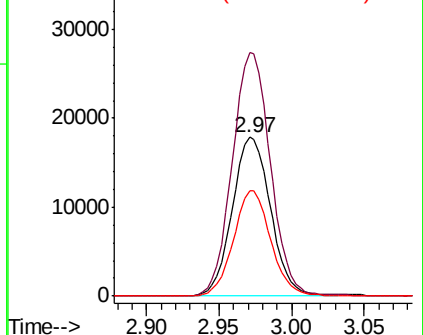


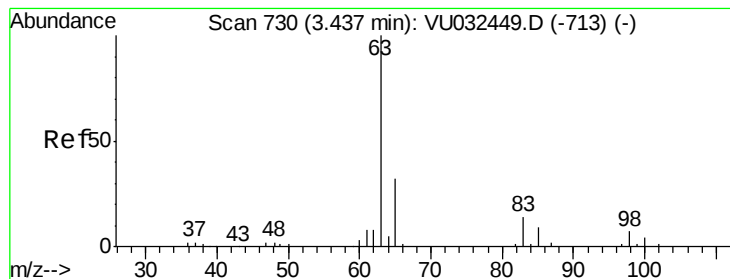
#18
trans-1,2-Dichloroethene
Concen: 4.734 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032455.D
Acq: 05 Jun 2019 12:16

Tgt Ion: 96 Resp: 32959
Ion Ratio Lower Upper
96 100
61 153.2 103.1 191.5
98 66.3 43.7 81.1



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: 4.772 ug/L

RT: 3.43 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

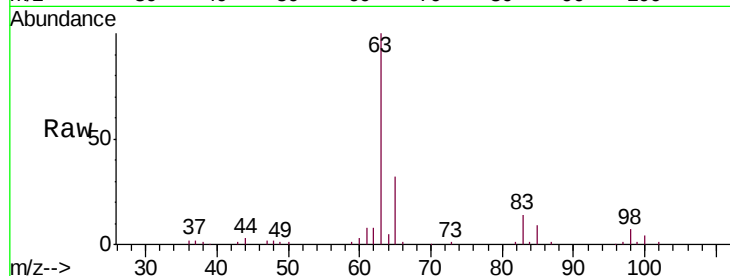
Tgt Ion: 63 Resp: 59476

Ion Ratio Lower Upper

63 100

65 32.2 21.3 39.6

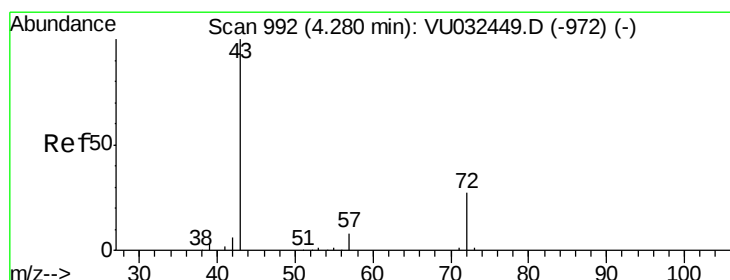
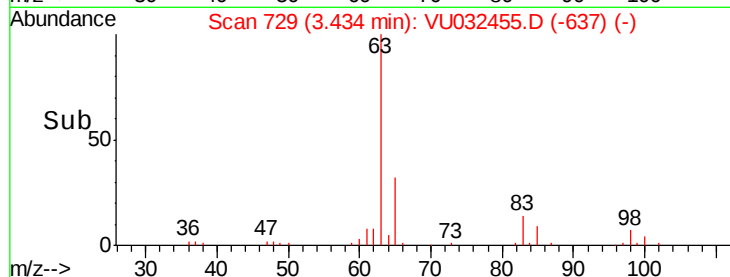
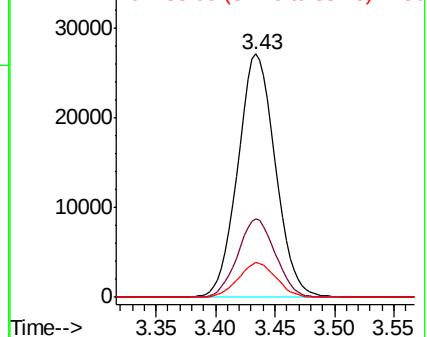
83 14.2 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU032449.D (-713) (-)

Ion 65.10 (64.80 to 65.80): VU032449.D (-713) (-)

Ion 83.05 (82.75 to 83.75): VU032449.D (-713) (-)



#21

2-Butanone

Concen: 48.528 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VU032455.D

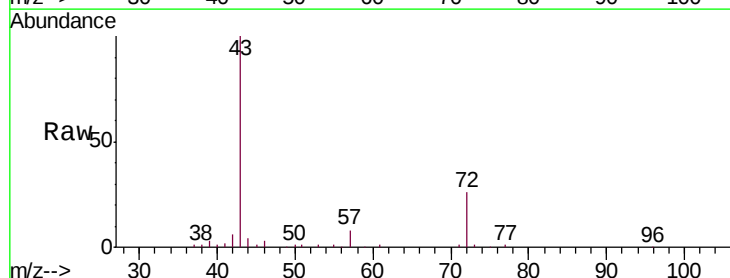
Acq: 05 Jun 2019 12:16

Tgt Ion: 43 Resp: 100957

Ion Ratio Lower Upper

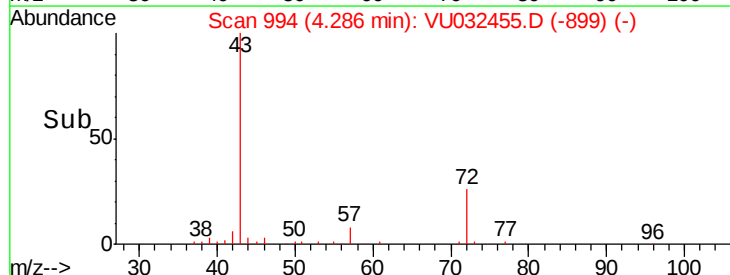
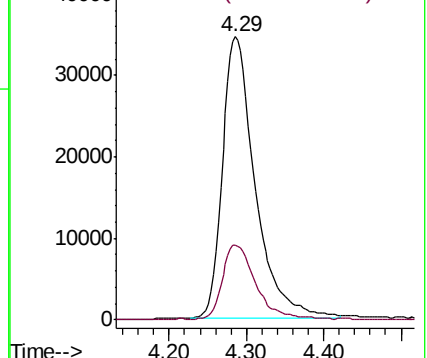
43 100

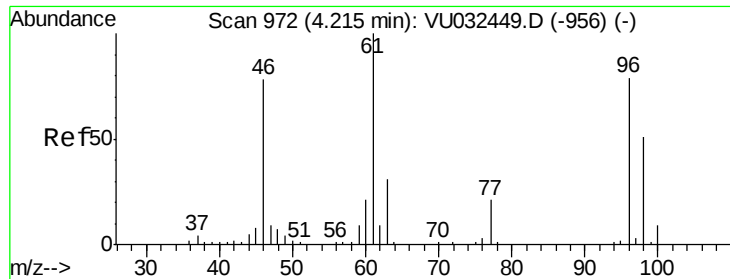
72 27.9 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU032449.D (-972) (-)

Ion 72.10 (71.80 to 72.80): VU032449.D (-972) (-)



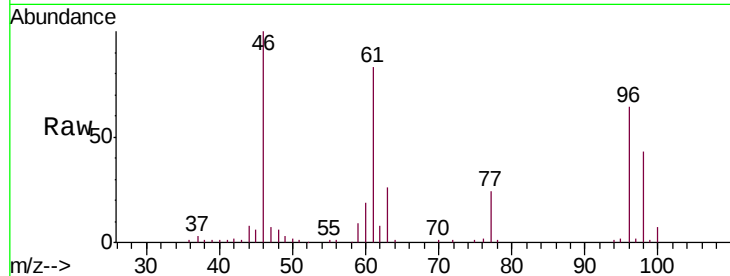


#22

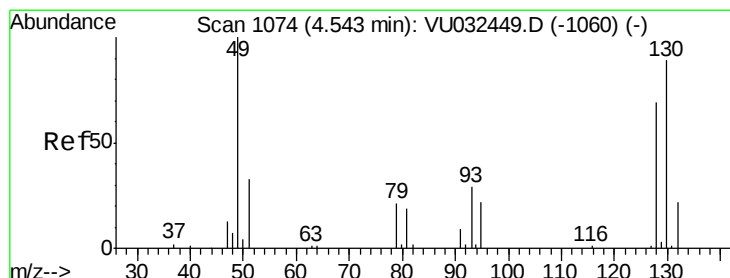
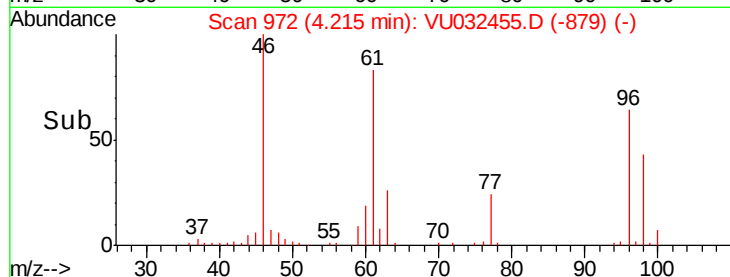
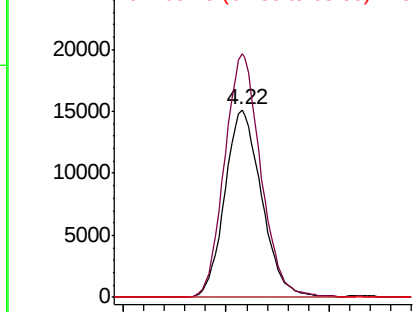
cis-1,2-Dichloroethene
 Concen: 4.776 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tgt Ion: 96 Resp: 37630
 Ion Ratio Lower Upper
 96 100
 61 130.0 86.6 160.8
 68 0.0 0.0 0.0



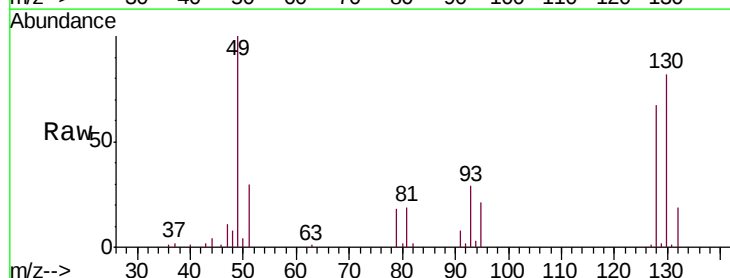
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



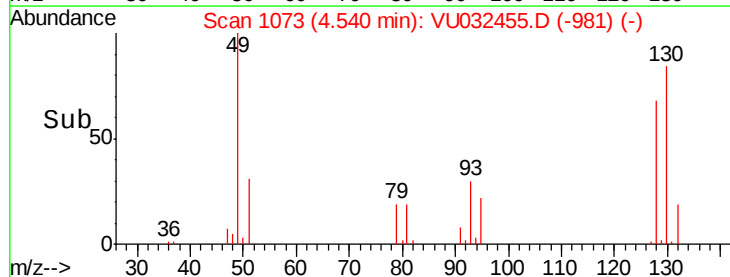
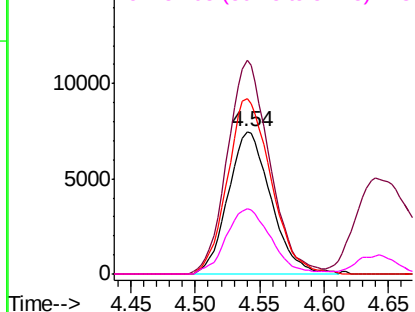
#23

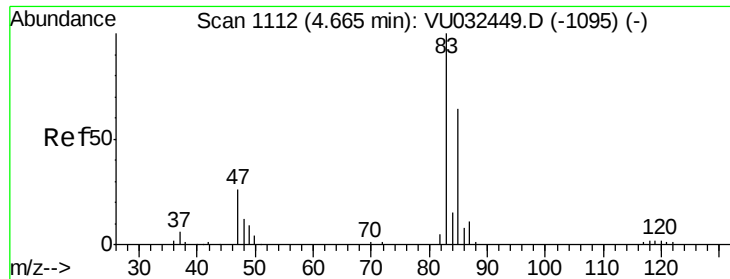
Bromochloromethane
 Concen: 5.101 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion: 128 Resp: 17301
 Ion Ratio Lower Upper
 128 100
 49 149.6 107.8 200.2
 130 123.2 89.3 165.9
 51 45.6 38.2 57.4



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

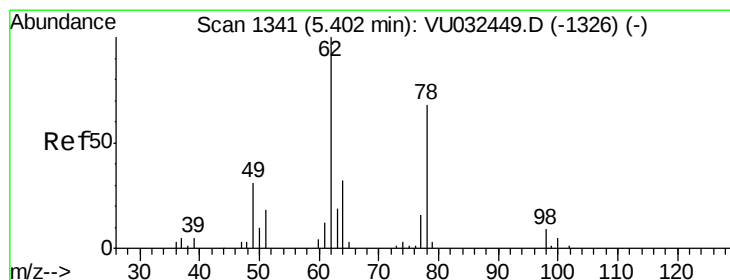
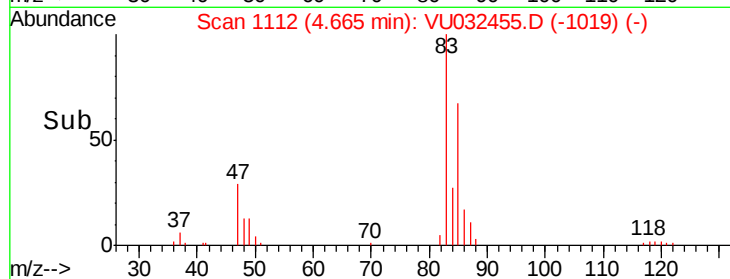
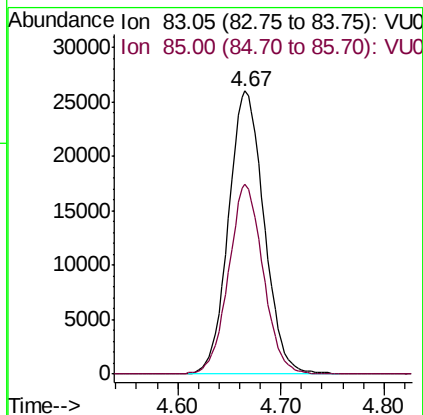
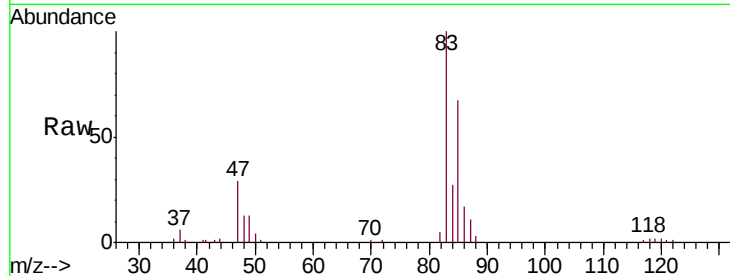




#25
Chloroform
Concen: 4.902 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032455.D
Acq: 05 Jun 2019 12:16

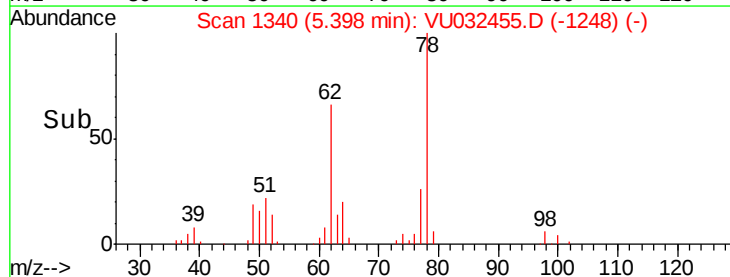
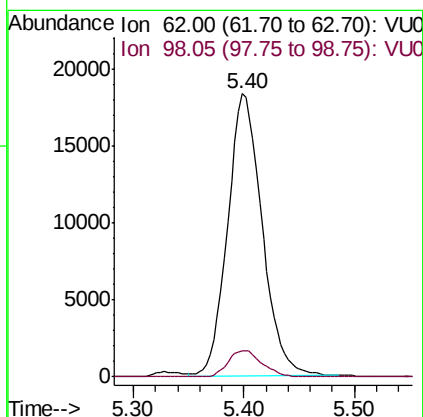
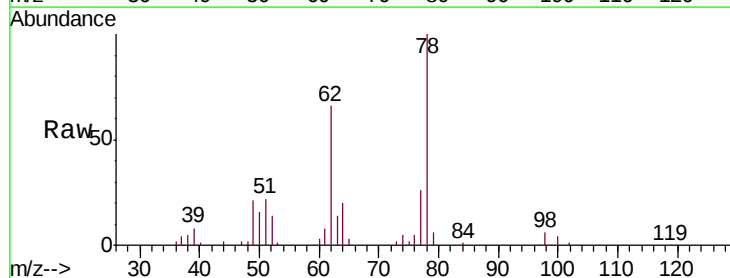
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

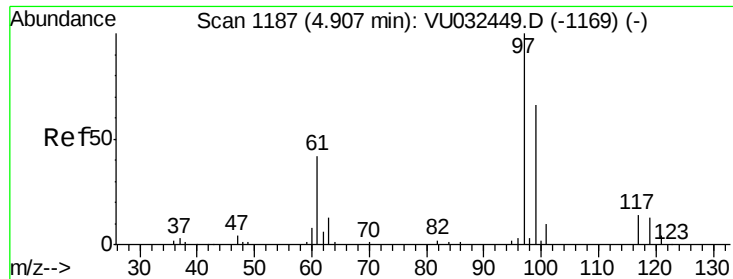
Tgt Ion: 83 Resp: 62410
Ion Ratio Lower Upper
83 100
85 67.1 43.8 81.3



#27
1,2-Dichloroethane
Concen: 4.749 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032455.D
Acq: 05 Jun 2019 12:16

Tgt Ion: 62 Resp: 39738
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6

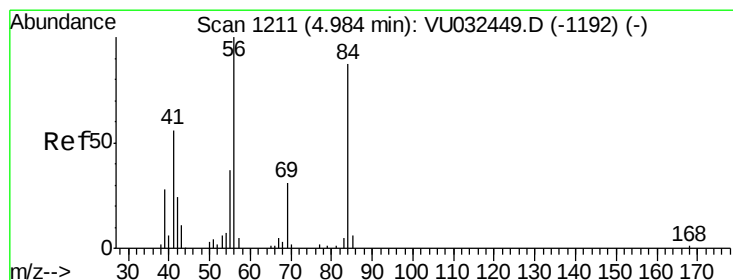
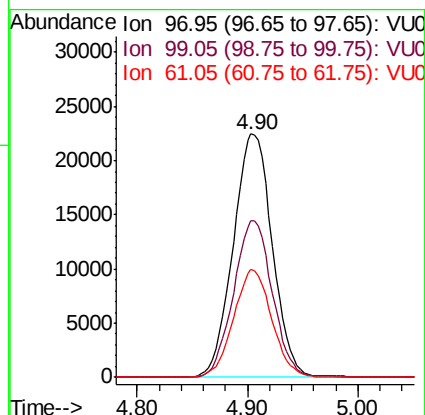
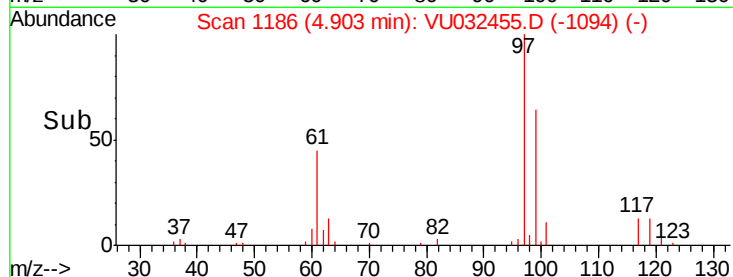
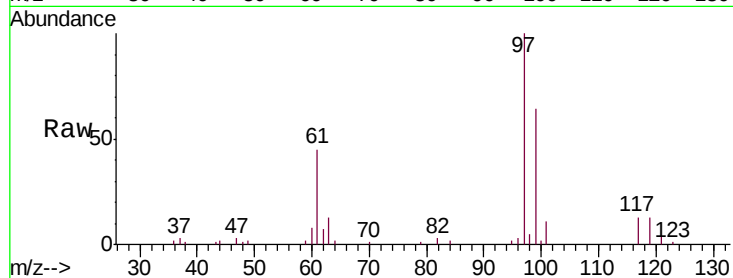




#29
 1,1,1-Trichloroethane
 Concen: 4.728 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

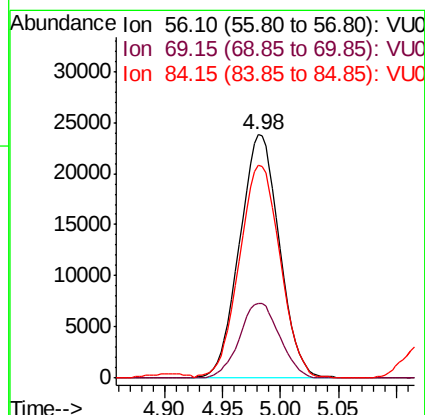
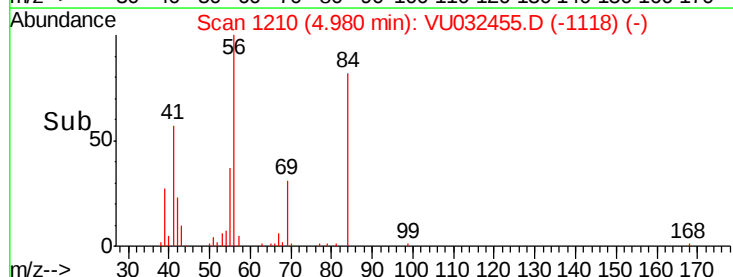
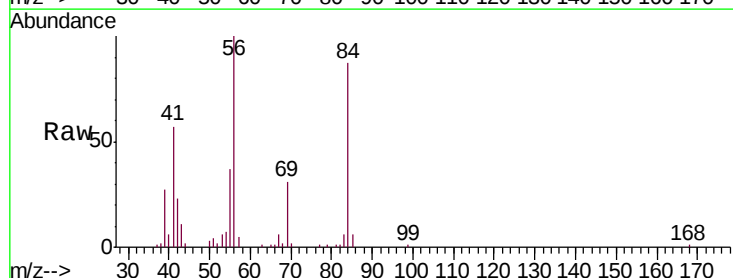
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

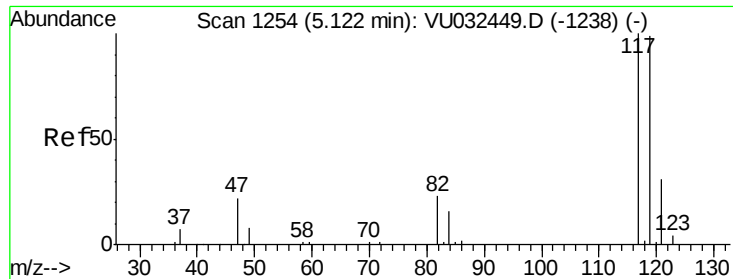
Tgt Ion: 97 Resp: 55197
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.8 77.6
 61 43.2 34.7 52.1



#30
 Cyclohexane
 Concen: 4.608 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion: 56 Resp: 56854
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.9 37.3
 84 89.8 70.2 105.2





#31

Carbon tetrachloride

Concen: 4.791 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

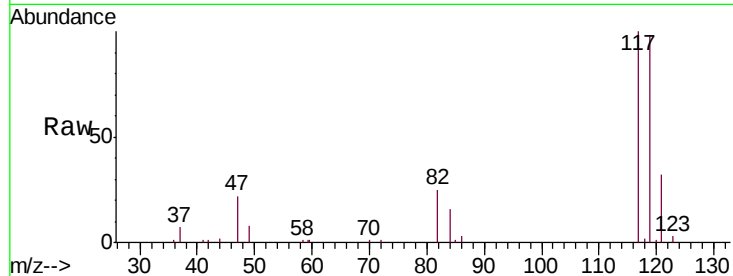
VSTD00522

Tgt Ion:117 Resp: 50851

Ion Ratio Lower Upper

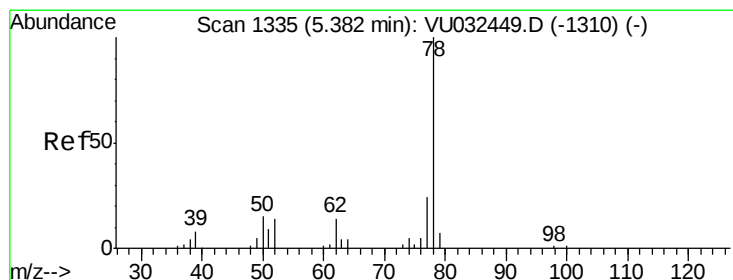
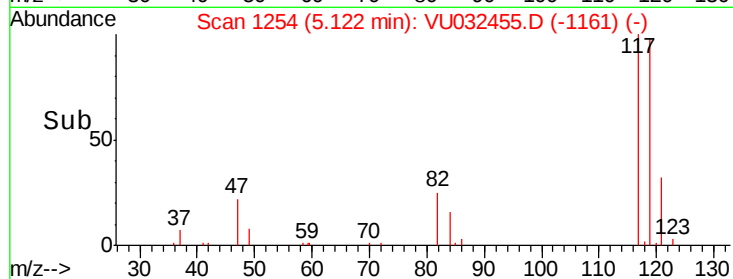
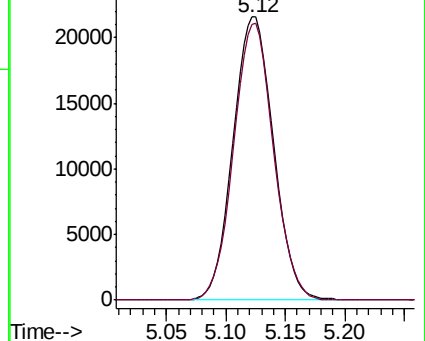
117 100

119 96.2 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.802 ug/L

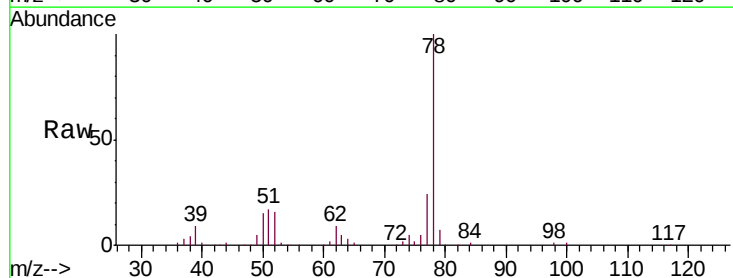
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

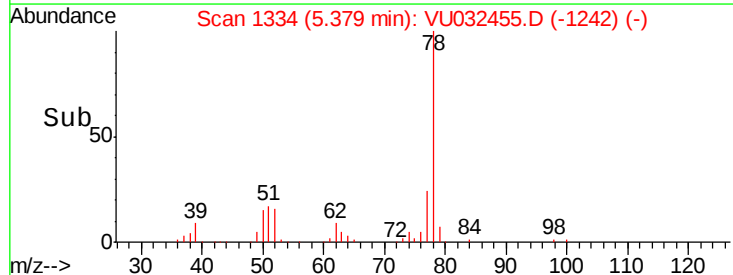
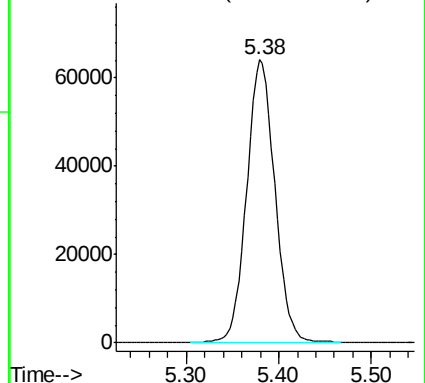
Lab File: VU032455.D

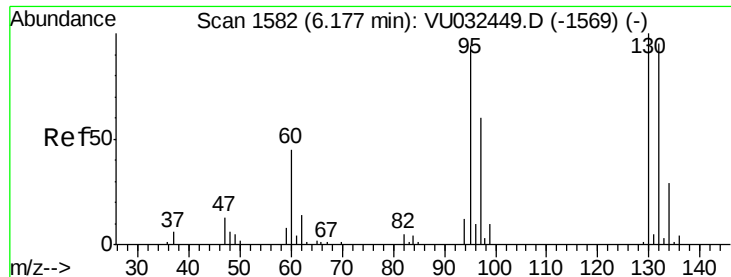
Acq: 05 Jun 2019 12:16

Tgt Ion: 78 Resp: 135644



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.681 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

Tgt Ion: 95 Resp: 38032

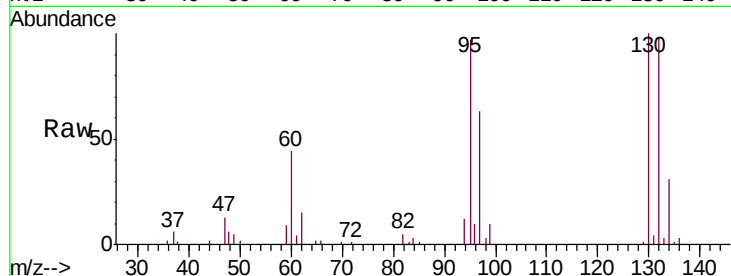
Ion Ratio Lower Upper

95 100

97 64.5 44.1 81.9

132 100.6 68.8 127.8

130 102.9 71.0 131.8

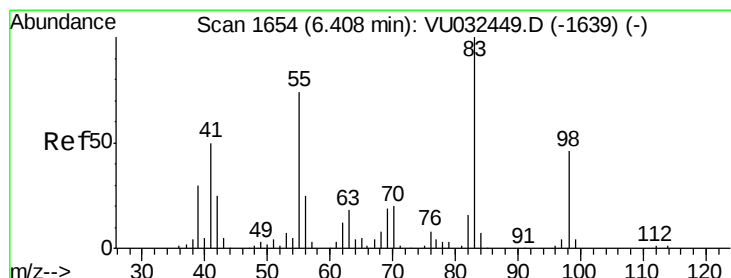
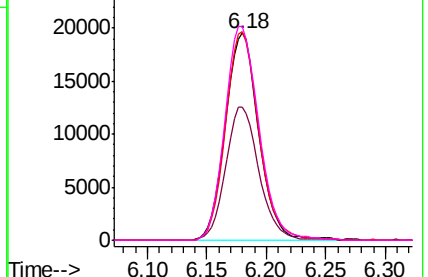
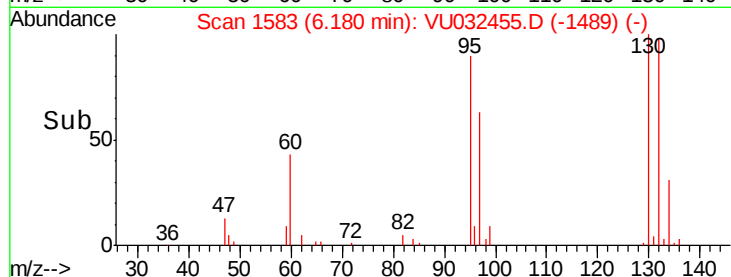


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.763 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

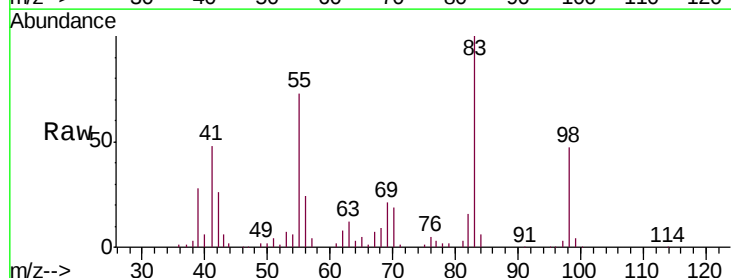
Tgt Ion: 83 Resp: 62239

Ion Ratio Lower Upper

83 100

55 72.7 60.0 90.0

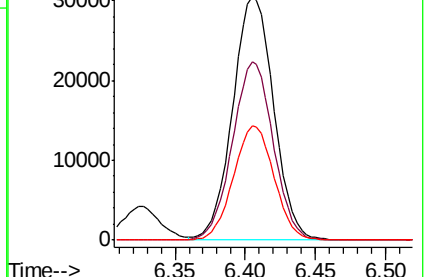
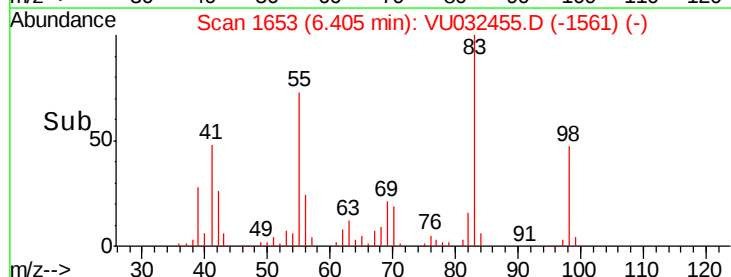
98 46.3 37.8 56.8

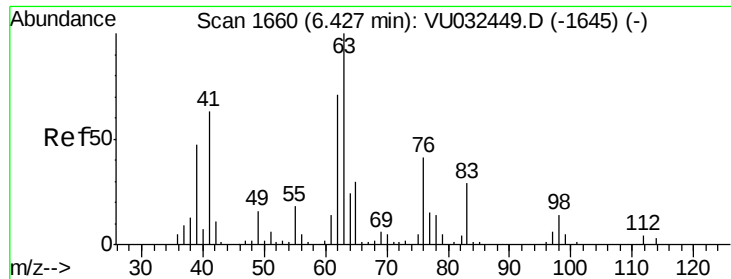


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

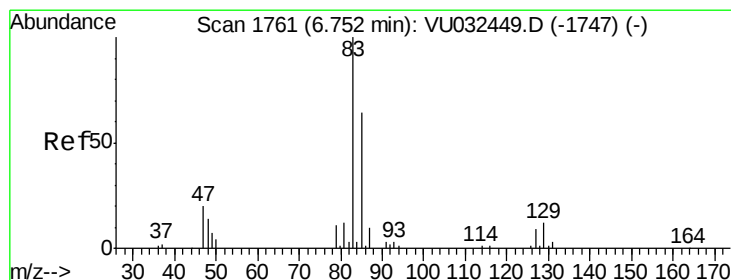
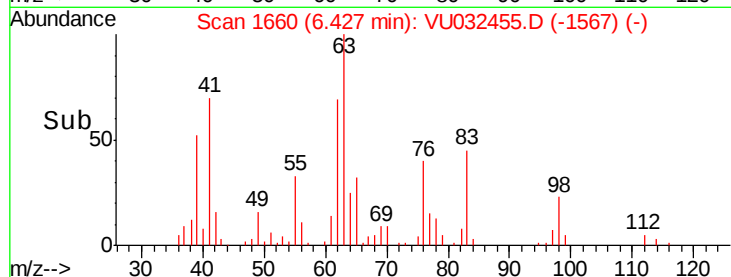
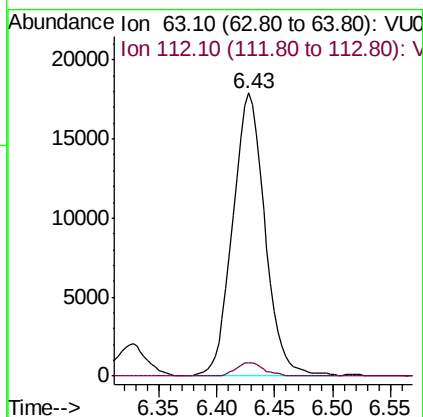
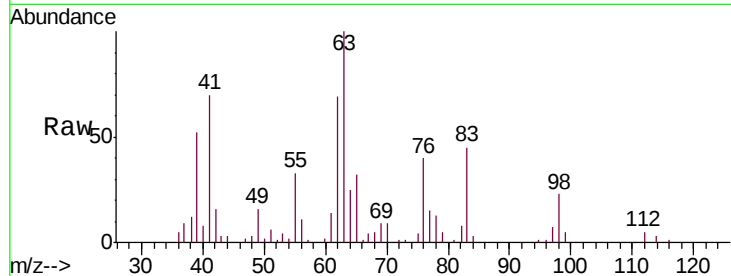




#37
 1,2-Dichloropropane
 Concen: 4.721 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

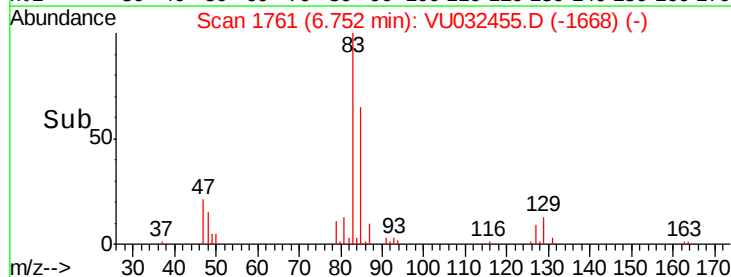
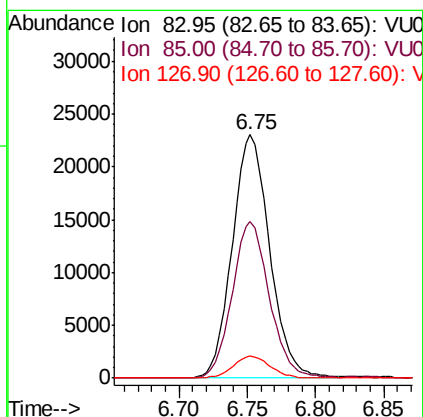
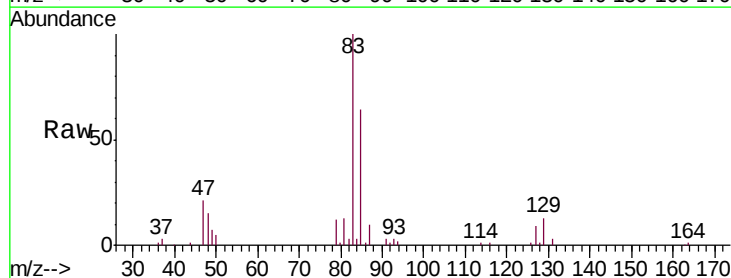
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

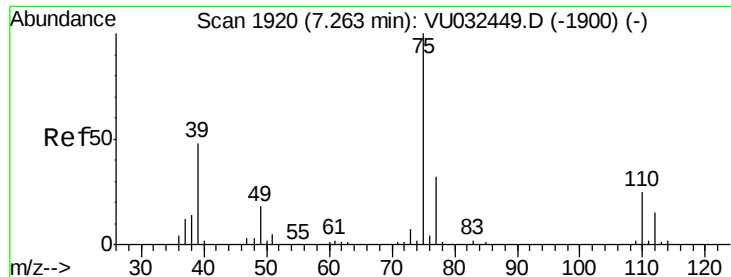
Tgt Ion: 63 Resp: 34499
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.683 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion: 83 Resp: 43984
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.2 84.0
 127 8.9 7.4 11.2

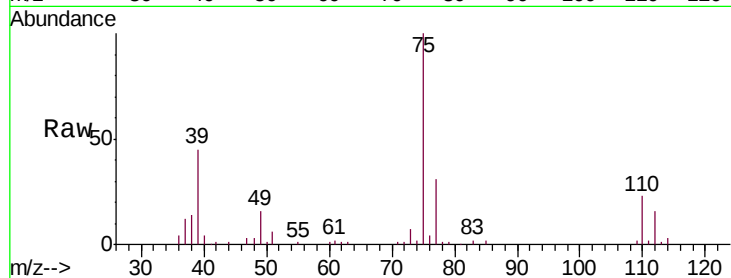




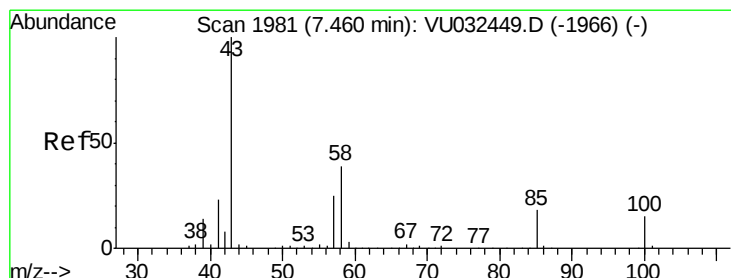
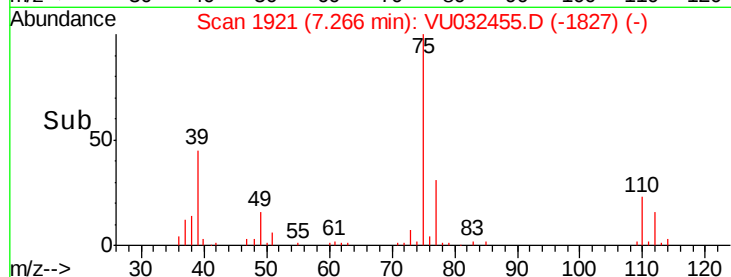
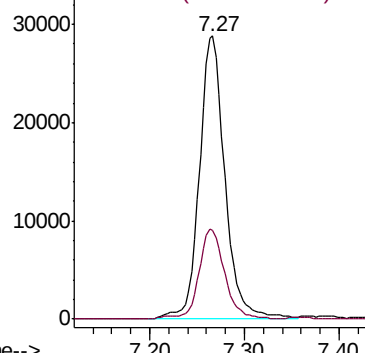
#39
 cis-1,3-Dichloropropene
 Concen: 4.833 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tgt Ion: 75 Resp: 54221
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2

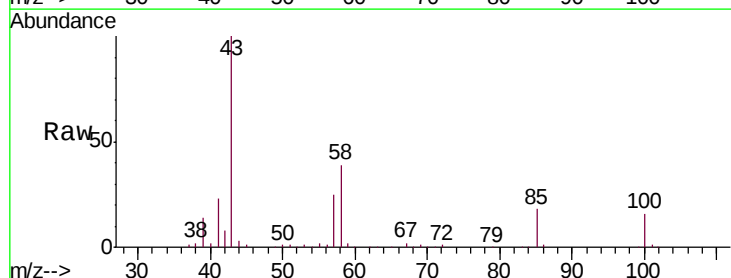


Abundance Ion 75.05 (74.75 to 75.75): VU032449.D (-1900) (-)
 Ion 77.05 (76.75 to 77.75): VU032449.D (-1900) (-)

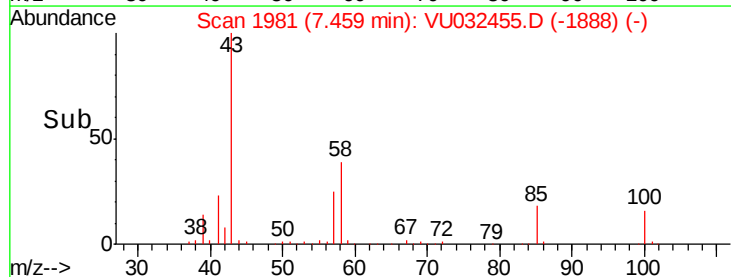
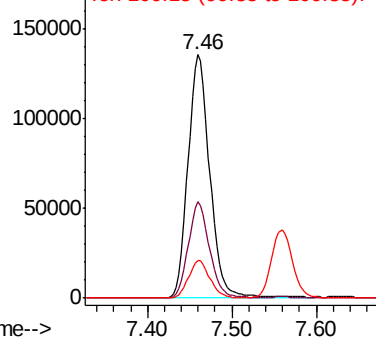


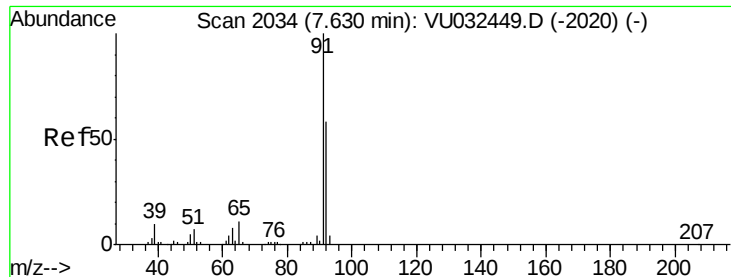
#40
 4-Methyl-2-pentanone
 Concen: 46.951 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion: 43 Resp: 244174
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3
 100 15.2 11.9 17.9



Abundance Ion 43.05 (42.75 to 43.75): VU032449.D (-1966) (-)
 Ion 58.05 (57.75 to 58.75): VU032449.D (-1966) (-)
 Ion 100.15 (99.85 to 100.85): VU032449.D (-1966) (-)





#42

Toluene

Concen: 4.726 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

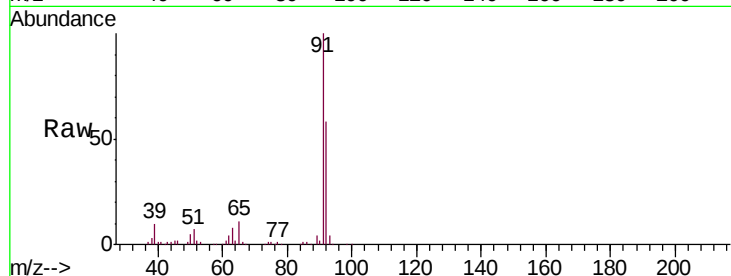
VSTD00522

Tgt Ion: 91 Resp: 148781

Ion Ratio Lower Upper

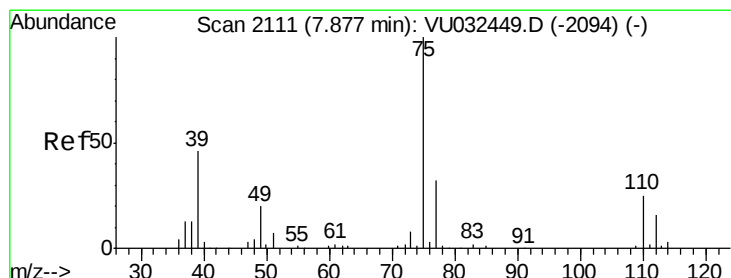
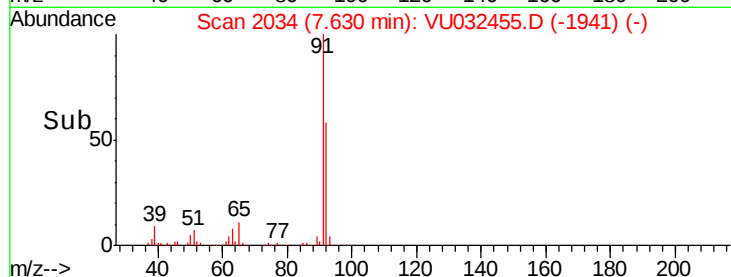
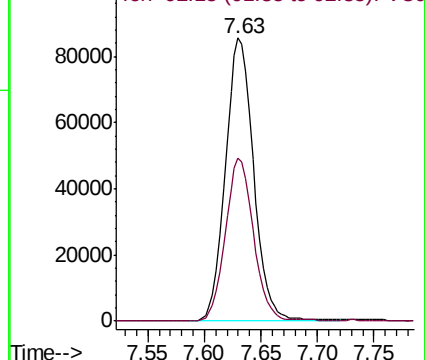
91 100

92 57.5 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032449.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU032449.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.684 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU032455.D

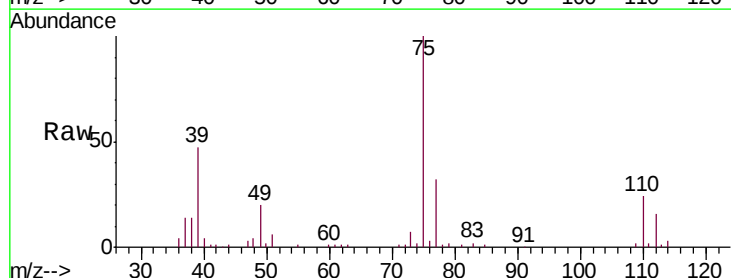
Acq: 05 Jun 2019 12:16

Tgt Ion: 75 Resp: 41957

Ion Ratio Lower Upper

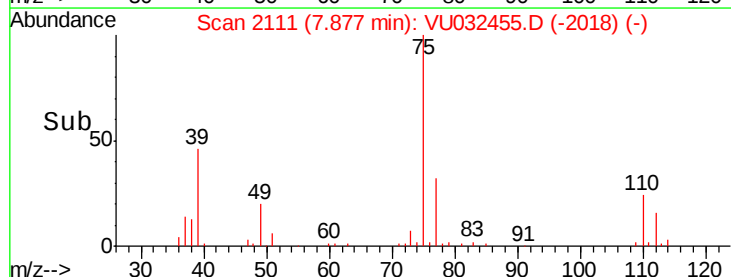
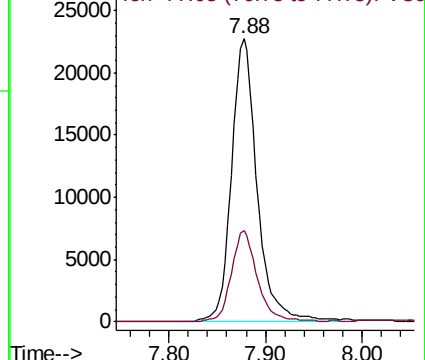
75 100

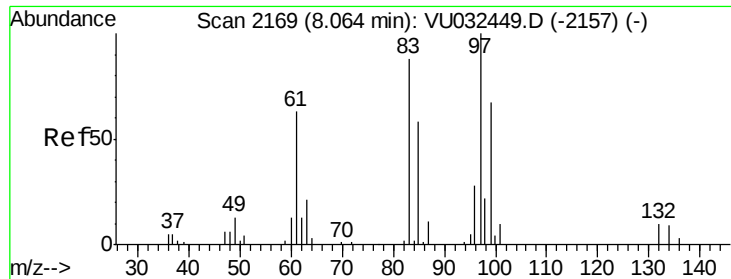
77 32.2 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032449.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032449.D (-2094) (-)

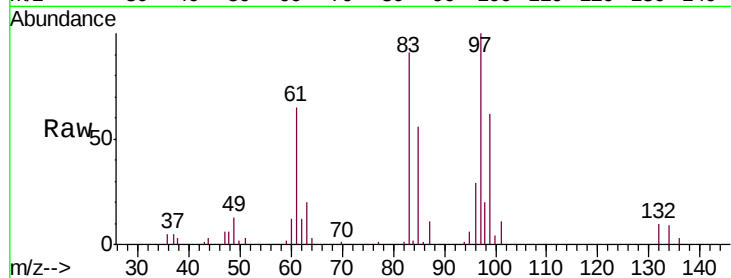




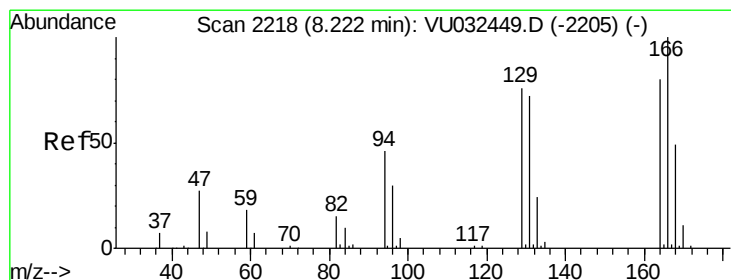
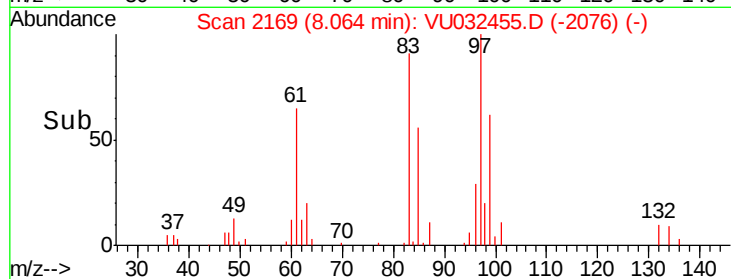
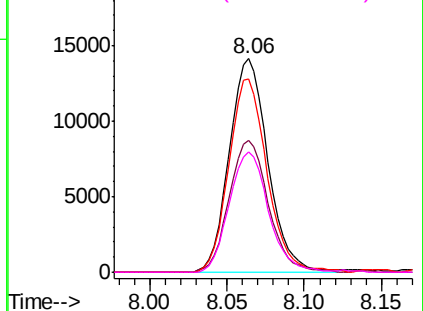
#45
 1,1,2-Trichloroethane
 Concen: 4.609 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tgt Ion:	97	Resp:	24506
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.9	83.3
83	90.5	58.7	108.9
85	56.1	37.9	70.5

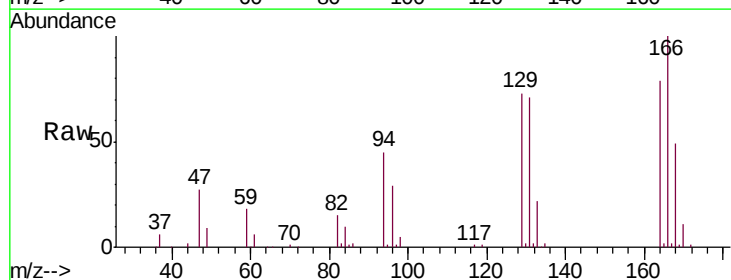


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

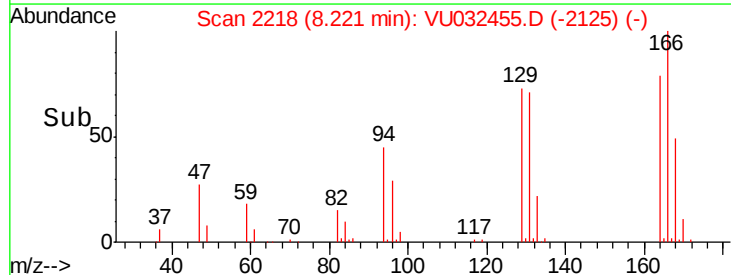
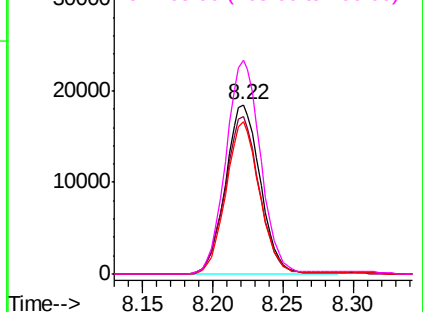


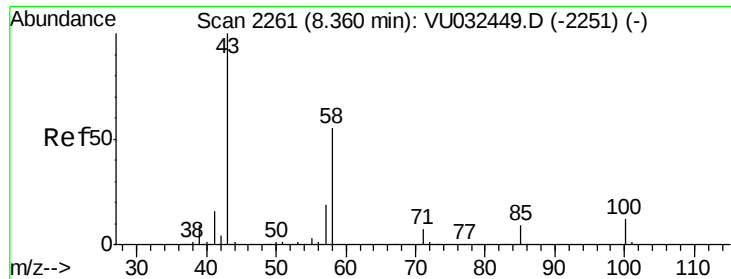
#47
 Tetrachloroethene
 Concen: 4.984 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion:	164	Resp:	31864
Ion	Ratio	Lower	Upper
164	100		
129	92.6	66.1	122.7
131	89.6	65.6	121.8
166	126.0	93.2	173.2



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

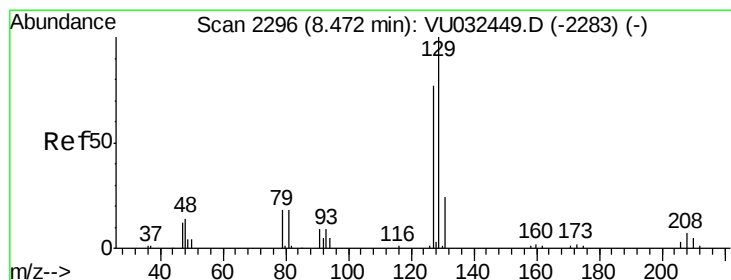
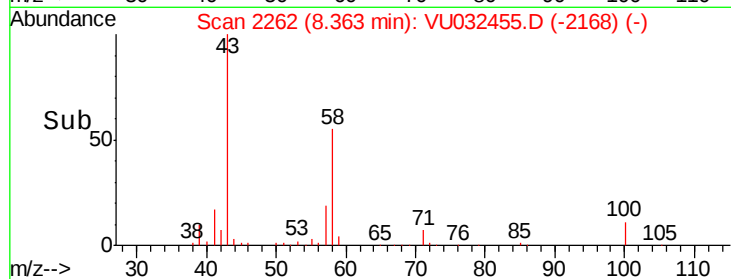
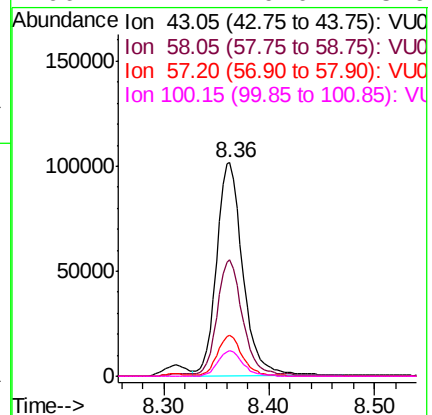
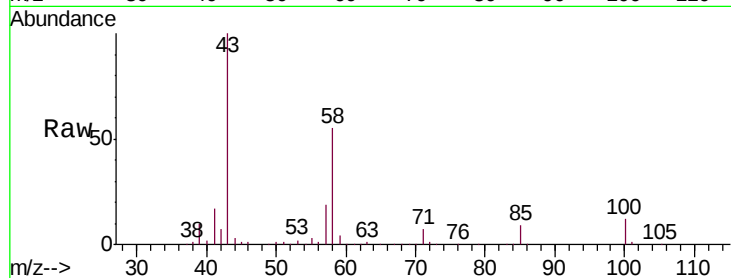




#48
 2-Hexanone
 Concen: 46.943 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

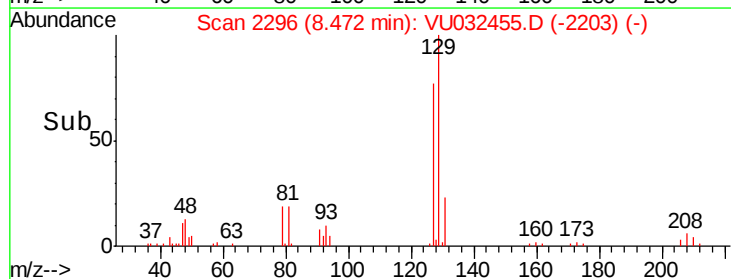
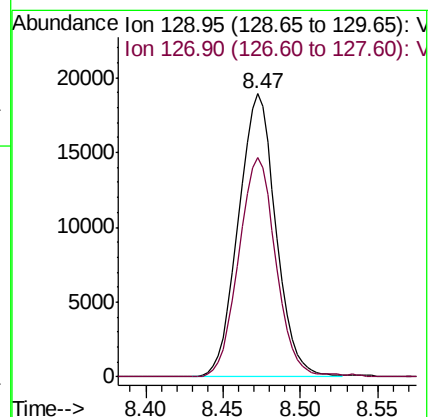
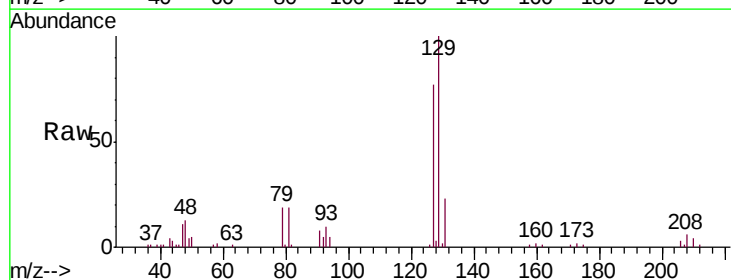
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

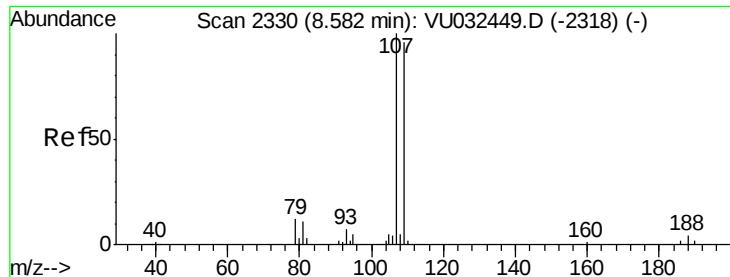
Tgt Ion:	43	Resp:	174461
Ion	Ratio	Lower	Upper
43	100		
58	54.3	41.9	62.9
57	18.6	15.1	22.7
100	11.7	9.0	13.6



#49
 Dibromochloromethane
 Concen: 4.691 ug/L
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion:	129	Resp:	31902
Ion	Ratio	Lower	Upper
129	100		
127	77.3	53.3	98.9

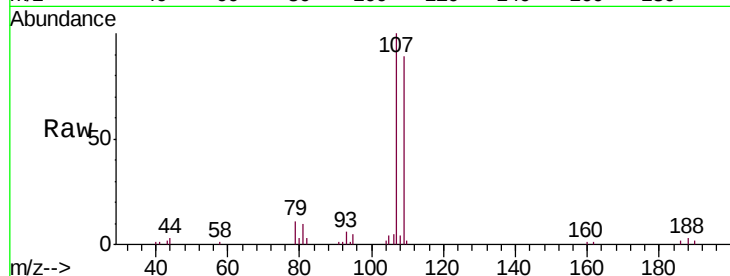




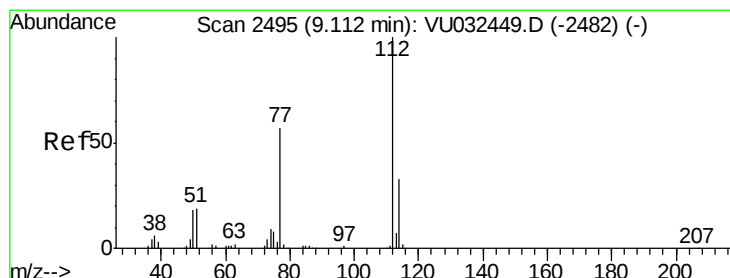
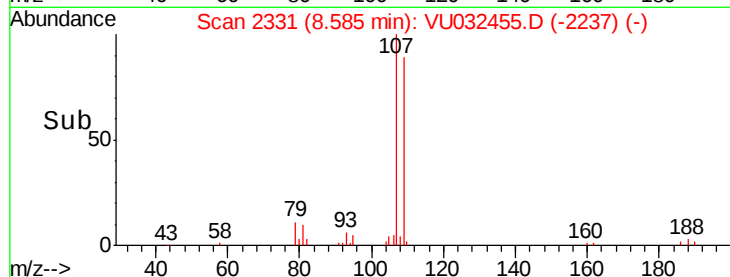
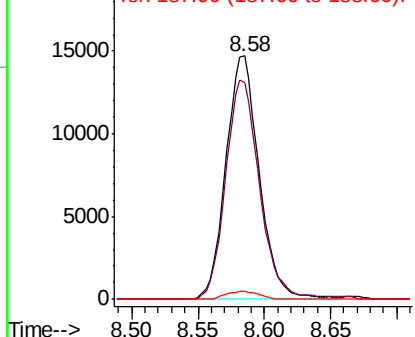
#50
 1,2-Dibromoethane
 Concen: 4.864 ug/L
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tgt Ion:107 Resp: 25774
 Ion Ratio Lower Upper
 107 100
 109 88.9 65.2 121.0
 188 3.1 3.1 4.7#

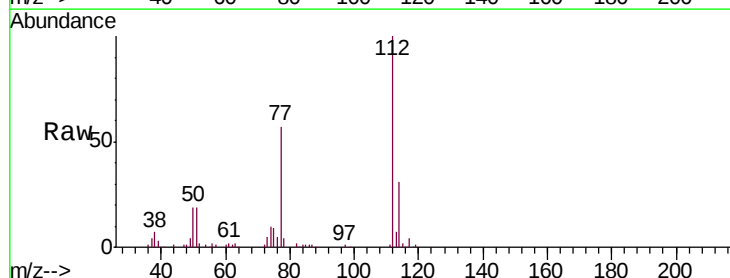


Abundance Ion 106.95 (106.65 to 107.65): V
 20000 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

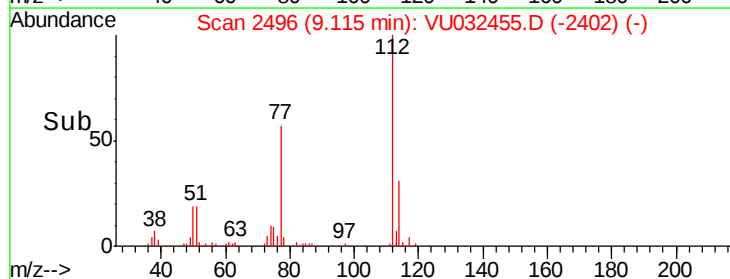
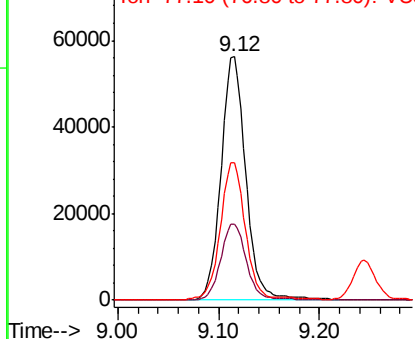


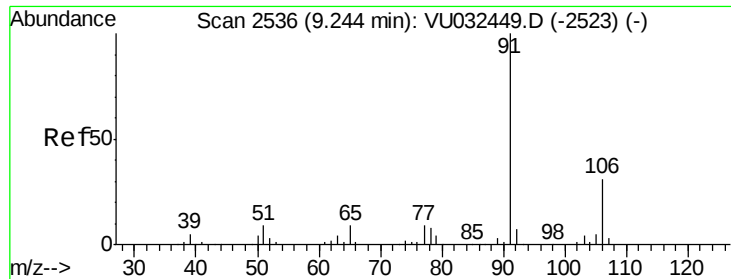
#51
 Chlorobenzene
 Concen: 4.920 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion:112 Resp: 97109
 Ion Ratio Lower Upper
 112 100
 114 31.1 22.4 41.6
 77 56.6 46.5 69.7



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





#52

Ethylbenzene

Concen: 4.803 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

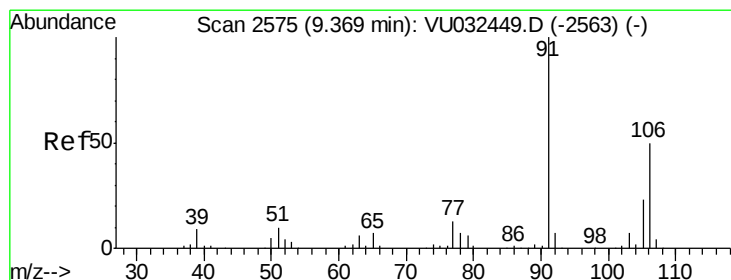
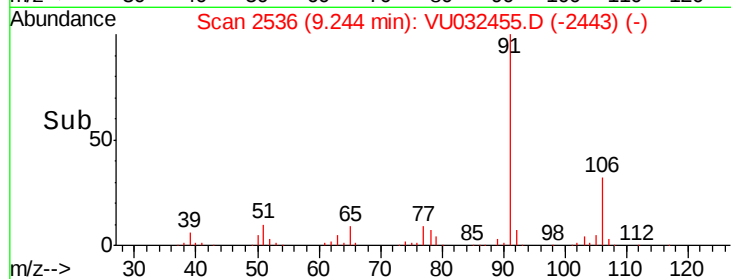
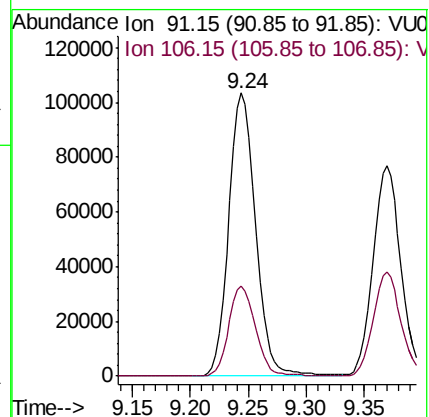
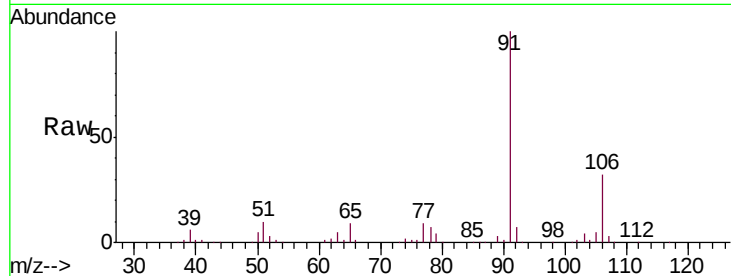
VSTD00522

Tgt Ion: 91 Resp: 166610

Ion Ratio Lower Upper

91 100

106 31.6 21.8 40.6



#53

m,p-Xylene

Concen: 4.895 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032455.D

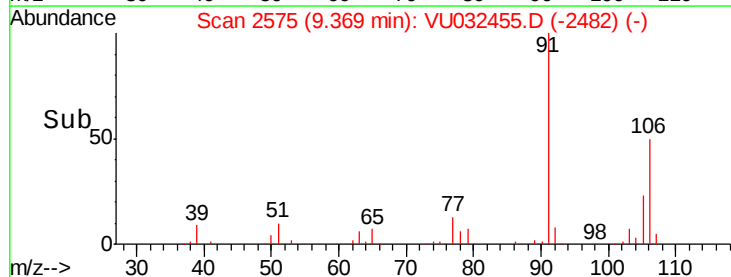
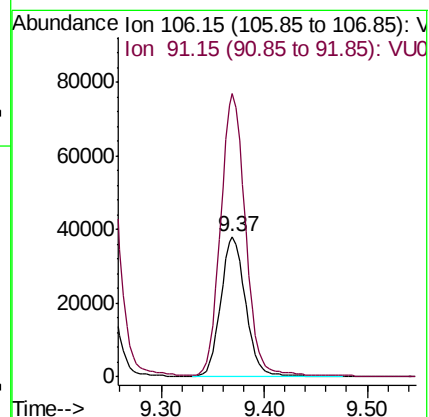
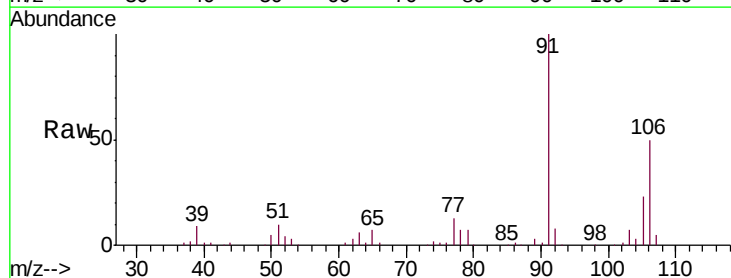
Acq: 05 Jun 2019 12:16

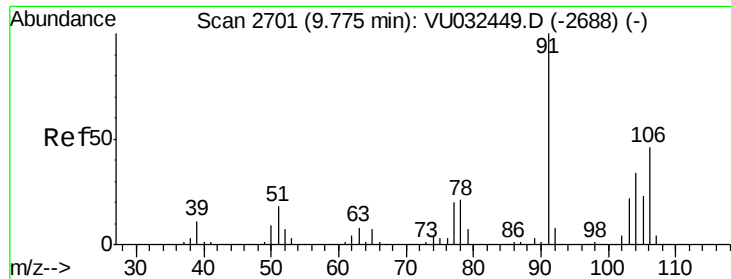
Tgt Ion: 106 Resp: 64378

Ion Ratio Lower Upper

106 100

91 201.3 142.4 264.4

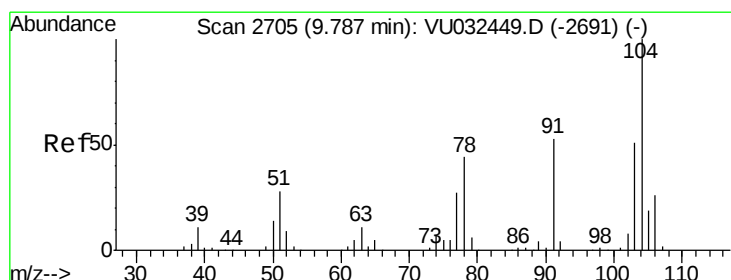
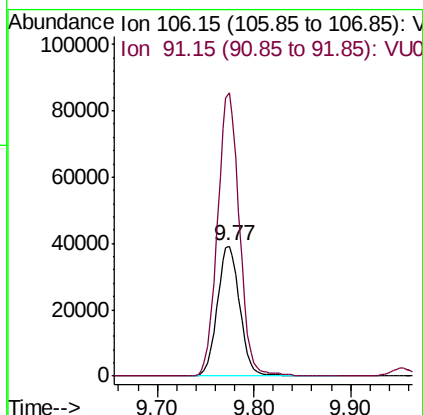
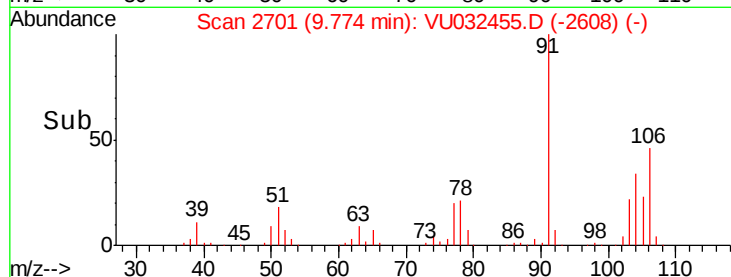
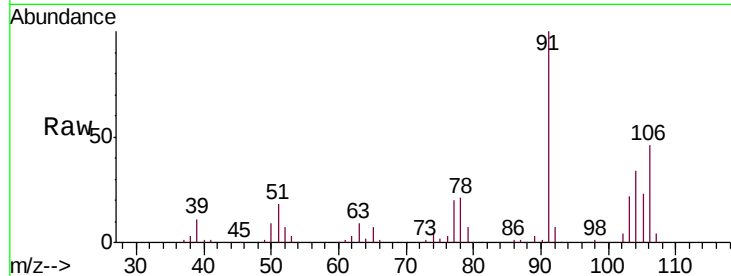




#54
o-Xylene
Concen: 4.838 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU032455.D
Acq: 05 Jun 2019 12:16

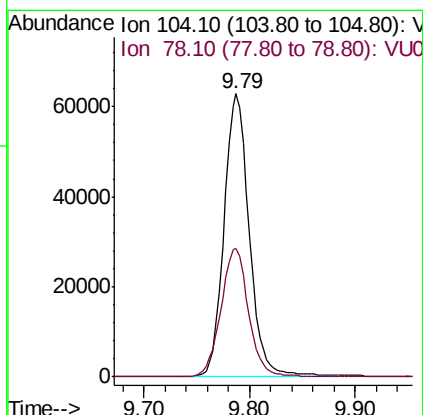
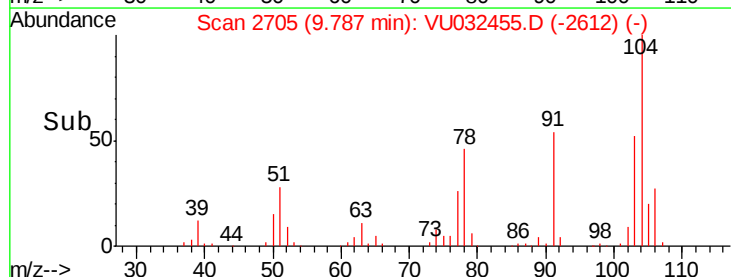
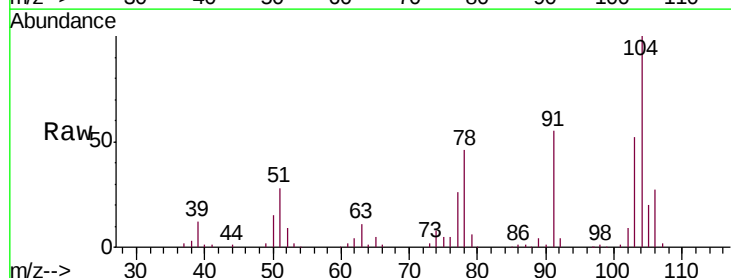
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

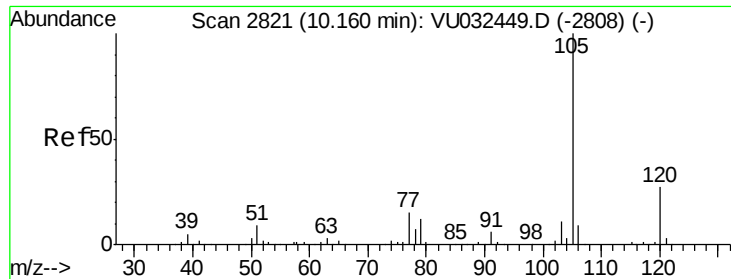
Tgt Ion:106 Resp: 63507
Ion Ratio Lower Upper
106 100
91 217.1 148.8 276.4



#55
Styrene
Concen: 4.824 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU032455.D
Acq: 05 Jun 2019 12:16

Tgt Ion:104 Resp: 104164
Ion Ratio Lower Upper
104 100
78 45.5 32.2 59.8





#56

Isopropylbenzene

Concen: 4.799 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

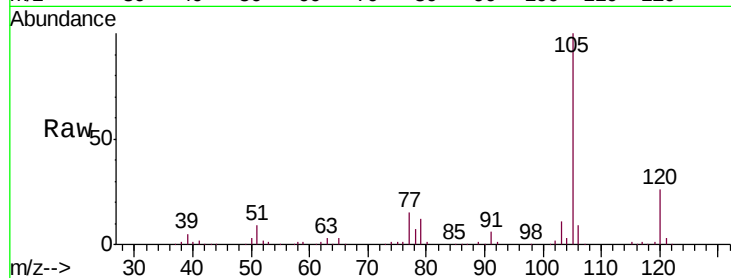
Tgt Ion: 105 Resp: 166152

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

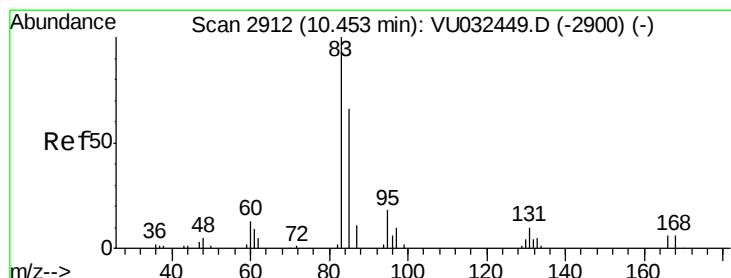
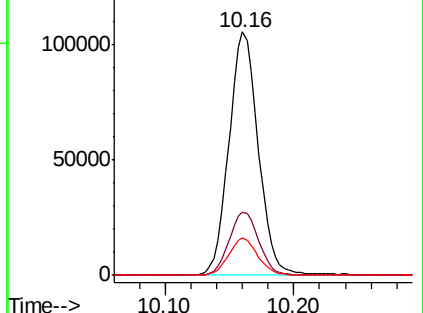
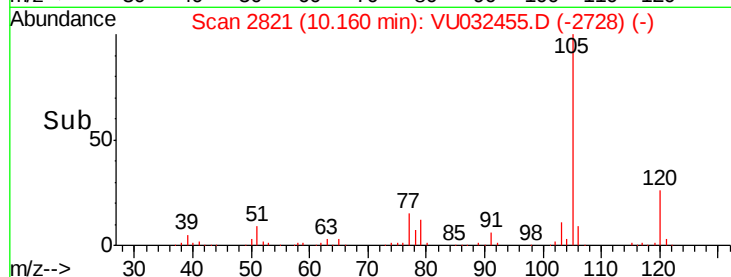
77 15.4 12.3 18.5



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: 4.598 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

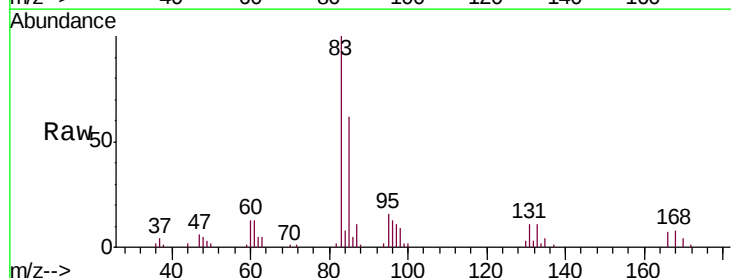
Tgt Ion: 83 Resp: 31266

Ion Ratio Lower Upper

83 100

85 61.8 45.7 84.9

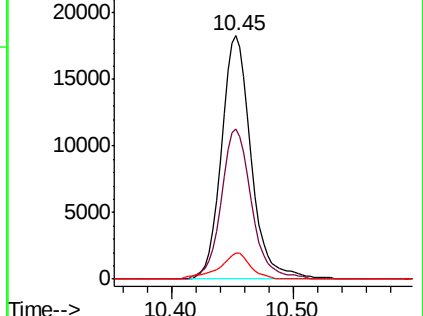
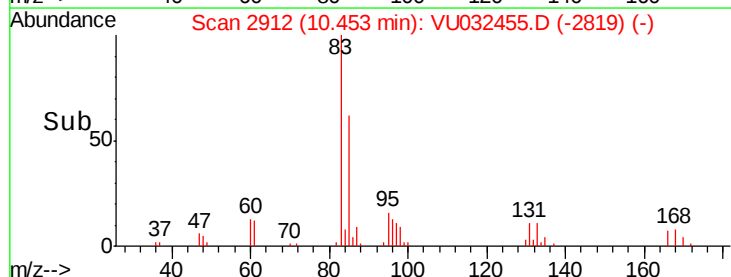
131 10.7 8.0 12.0

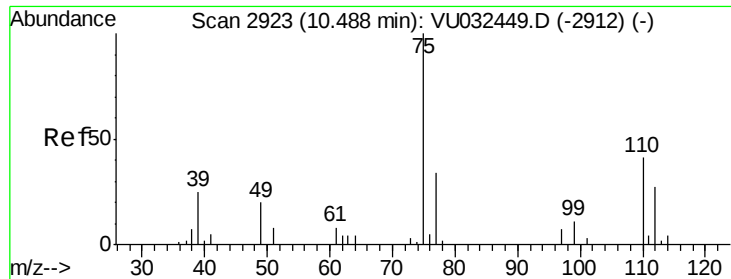


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

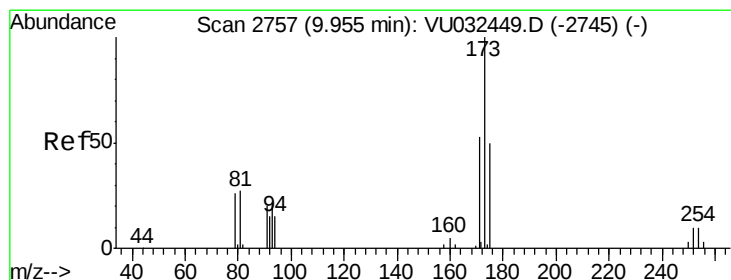
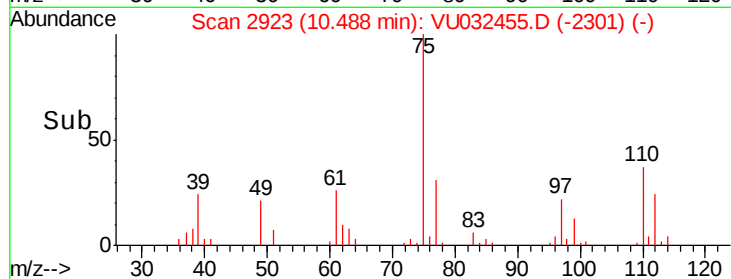
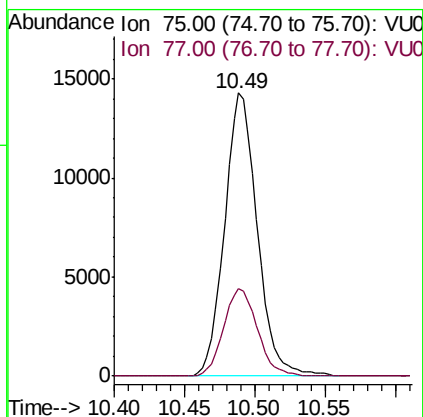
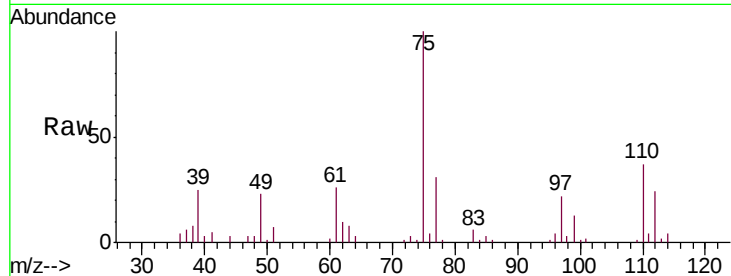




#59
 1,2,3-Trichloropropane
 Concen: 4.814 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

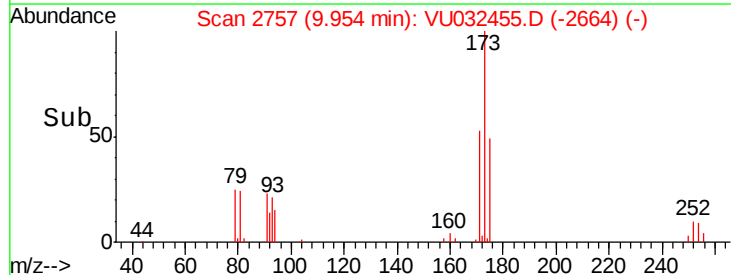
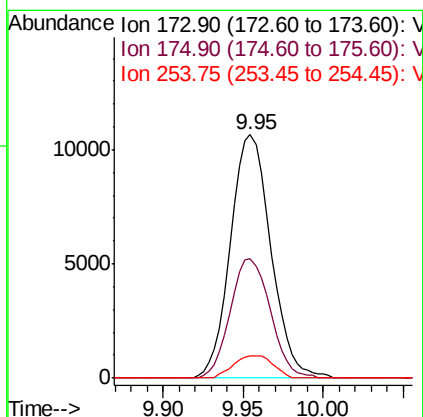
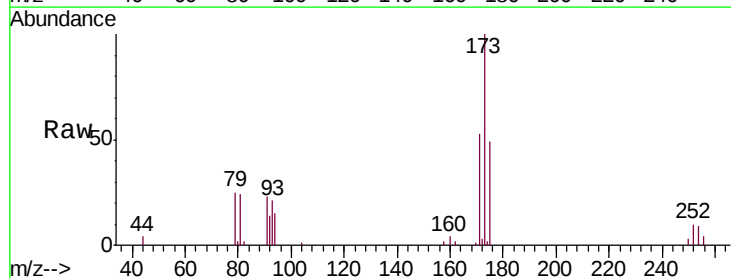
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

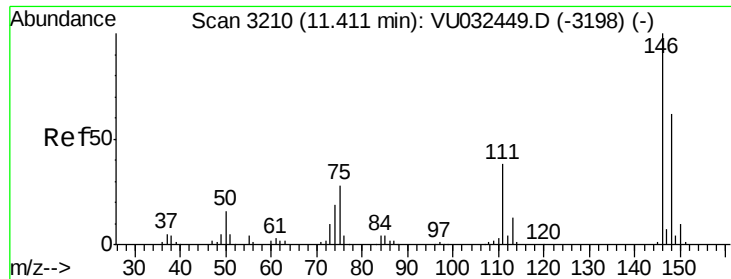
Tgt Ion: 75 Resp: 23102
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.3 37.9



#61
 Bromoform
 Concen: 4.500 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion: 173 Resp: 18352
 Ion Ratio Lower Upper
 173 100
 175 48.7 37.9 56.9
 254 8.9 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.809 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

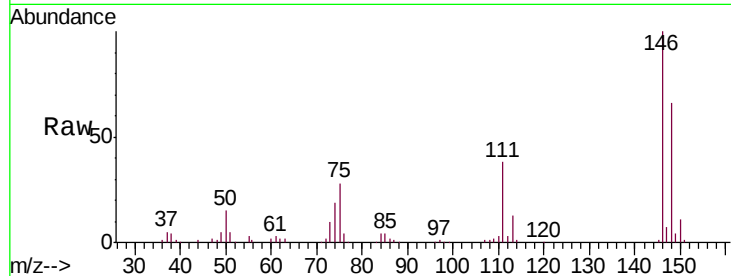
Tgt Ion:146 Resp: 79686

Ion Ratio Lower Upper

146 100

111 38.1 27.7 51.5

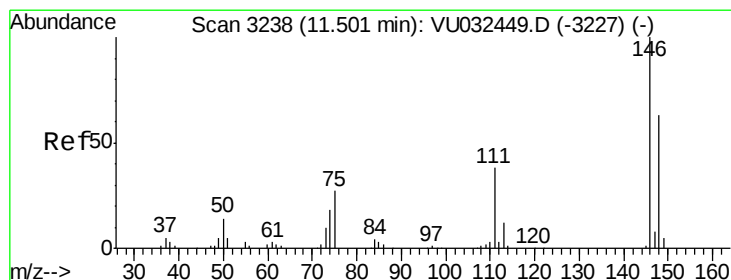
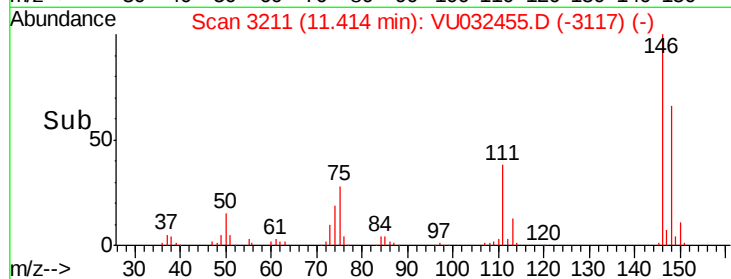
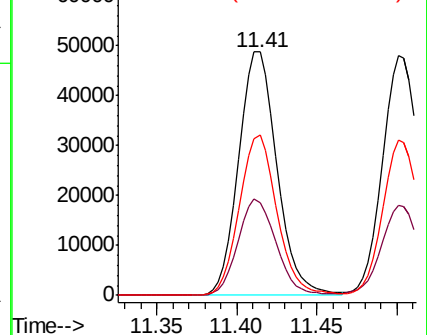
148 65.6 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.749 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

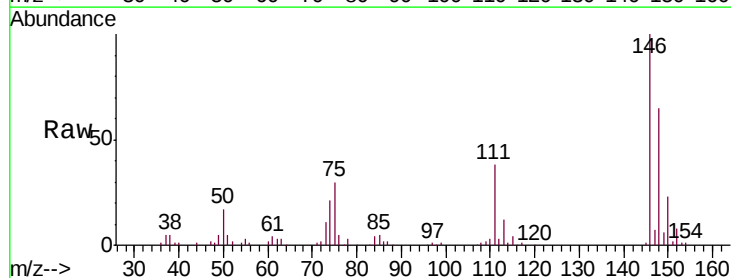
Tgt Ion:146 Resp: 80008

Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.6

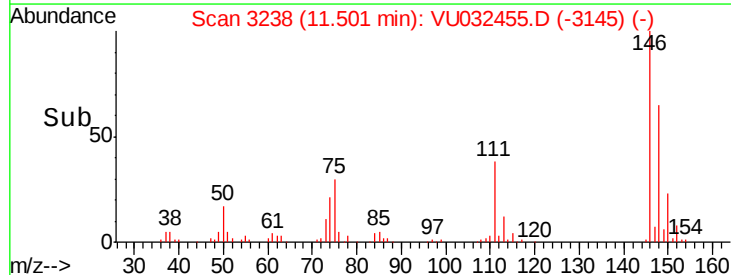
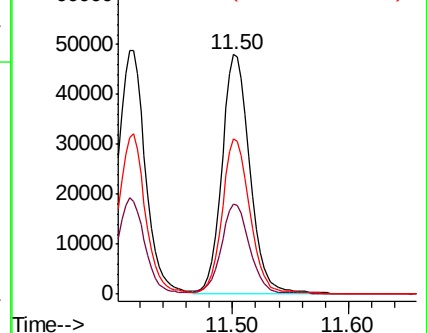
148 64.8 43.9 81.5

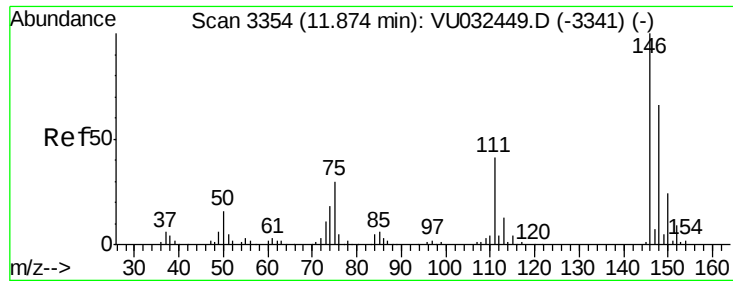


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.724 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

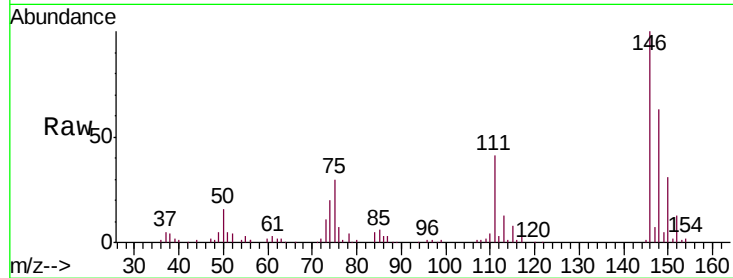
Tgt Ion:146 Resp: 75649

Ion Ratio Lower Upper

146 100

111 40.9 33.0 49.4

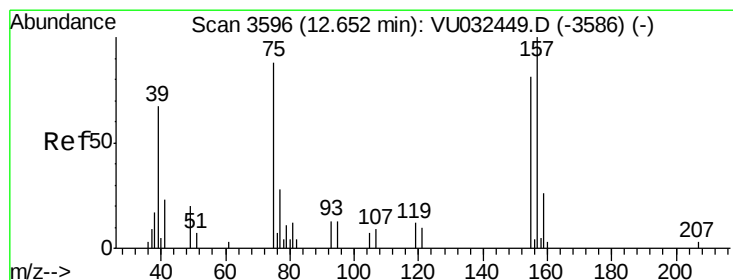
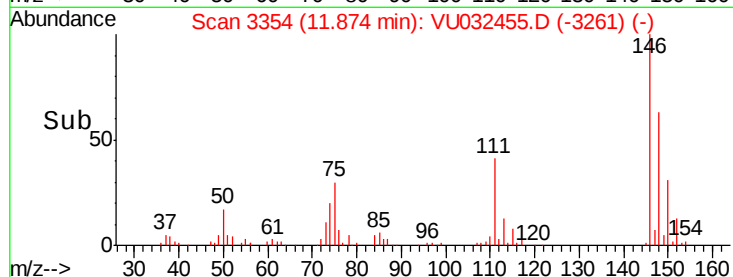
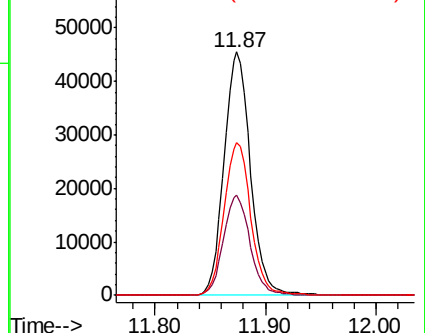
148 62.9 51.5 77.3



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: 4.430 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU032455.D

Acq: 05 Jun 2019 12:16

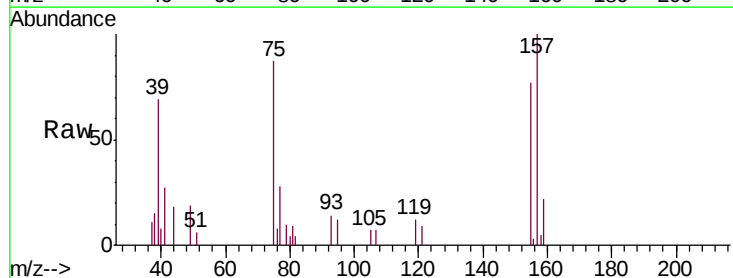
Tgt Ion: 75 Resp: 4981

Ion Ratio Lower Upper

75 100

155 88.7 72.3 108.5

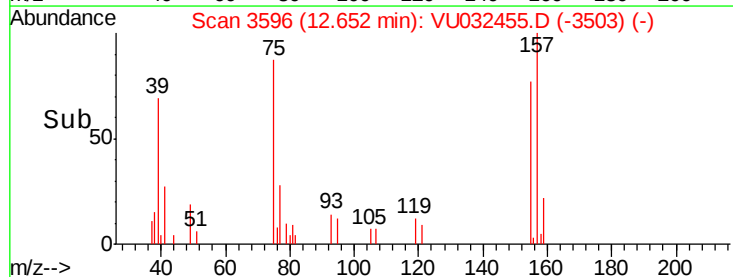
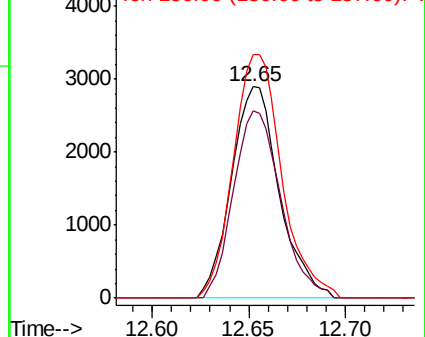
157 115.4 87.4 131.0

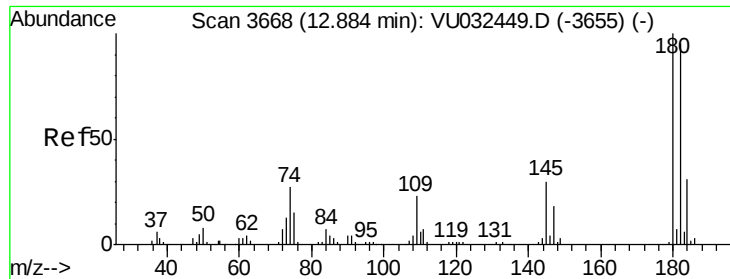


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

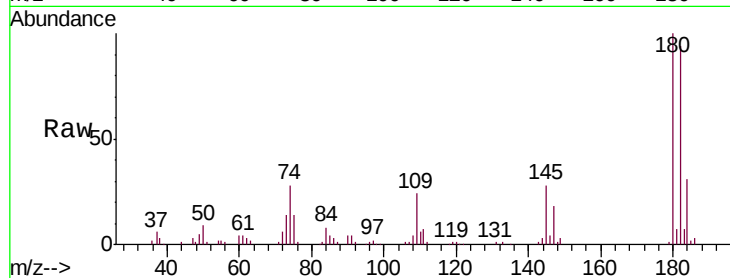




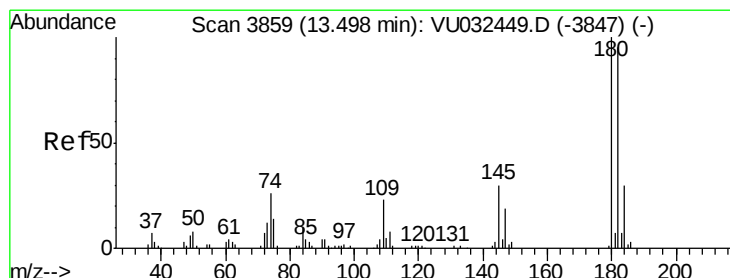
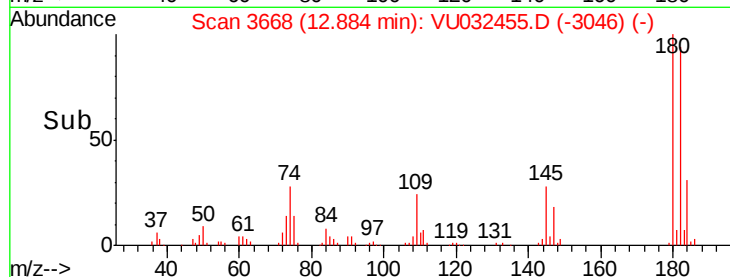
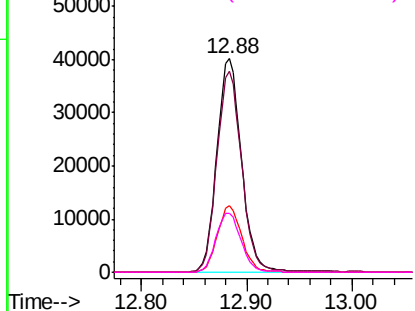
#67
 1,3,5-Trichlorobenzene
 Concen: 4.910 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tgt Ion:180 Resp: 65213
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.6 115.0
 184 30.7 24.2 36.4
 145 28.2 23.5 35.3

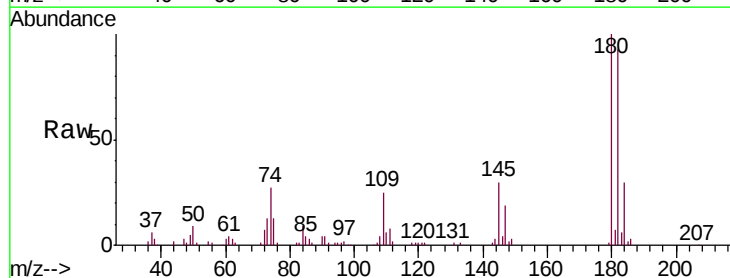


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

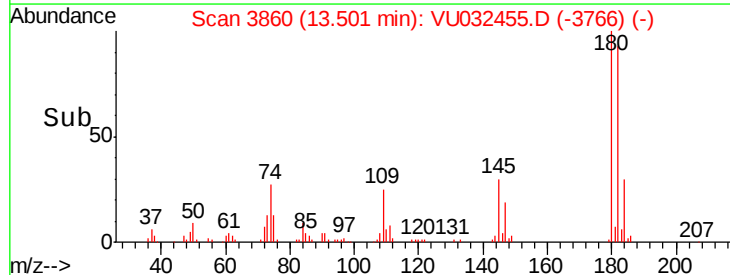
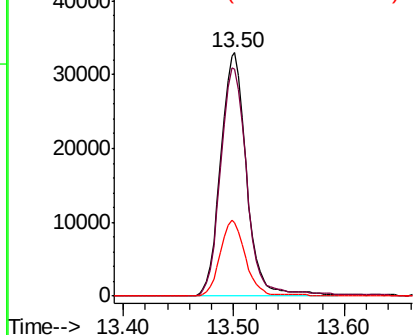


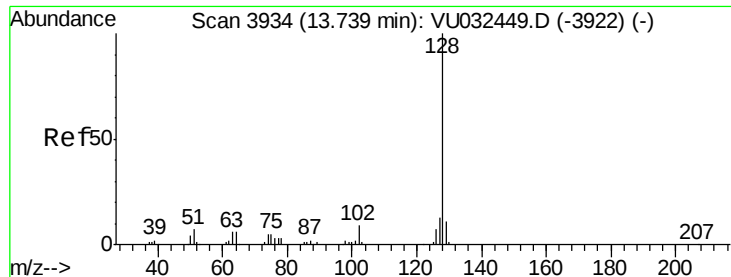
#68
 1,2,4-trichlorobenzene
 Concen: 5.043 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU032455.D
 Acq: 05 Jun 2019 12:16

Tgt Ion:180 Resp: 54006
 Ion Ratio Lower Upper
 180 100
 182 94.8 74.8 112.2
 145 30.2 24.3 36.5



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

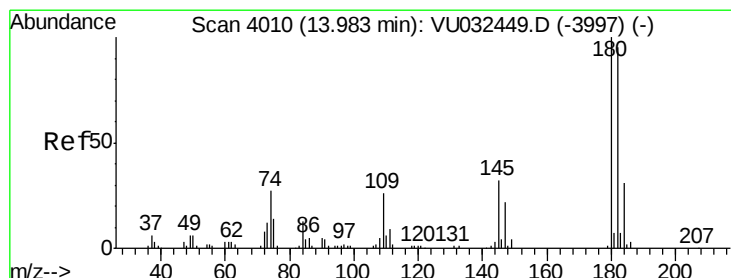
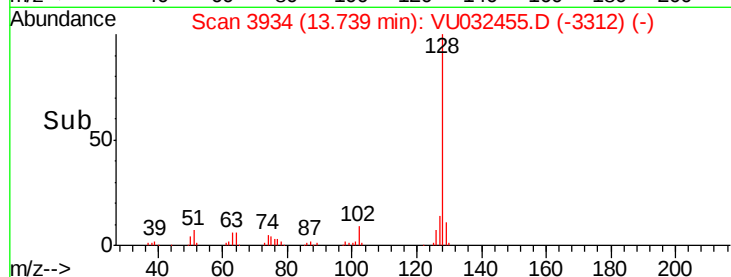
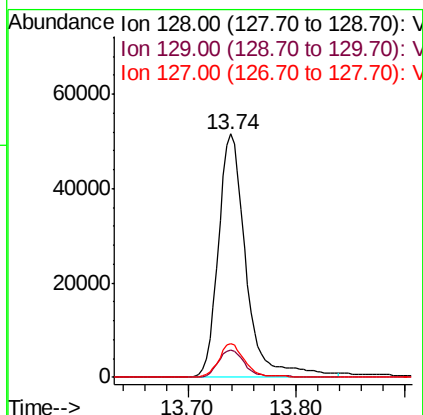
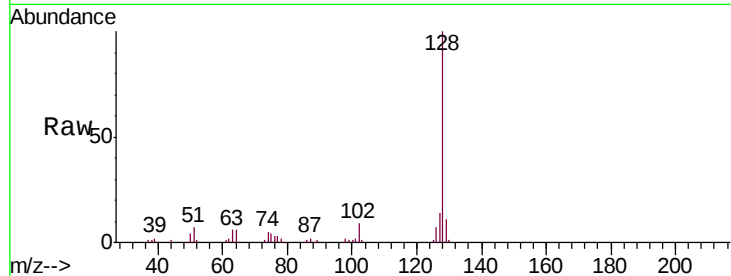




#69
Naphthalene
Concen: 4.907 ug/L
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU032455.D
Acq: 05 Jun 2019 12:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tgt Ion:128 Resp: 92109
Ion Ratio Lower Upper
128 100
129 11.0 8.1 12.1
127 13.2 10.4 15.6



#70
1,2,3-Trichlorobenzene
Concen: 4.731 ug/L
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU032455.D
Acq: 05 Jun 2019 12:16

Tgt Ion:180 Resp: 50448
Ion Ratio Lower Upper
180 100
182 97.7 73.8 110.6
145 31.9 25.3 37.9

