

Data File : VU034642.D
Acq On : 18 Sep 2019 02:57
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Sep 18 08:11:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 08:05:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	91279	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	89371	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	39872	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	35320	4.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.40%
7) Chloroethane-d5	1.67	69	28832	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.26	63	67246	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	4.17	46	94629	53.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.00%
24) Chloroform-d	4.62	84	48386	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	5.29	65	31905	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.32	84	117008	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.31	67	40879	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.54	98	109099	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.83	79	15271	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.29	63	72607	50.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.50%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	31188	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	33719	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	34238	4.953	ug/L 97
3) Chloromethane	1.32	50	32821	5.035	ug/L 97
5) Vinyl chloride	1.40	62	32875	4.815	ug/L 98
6) Bromomethane	1.62	94	16974	4.987	ug/L 96
8) Chloroethane	1.69	64	22615	5.682	ug/L 97
9) Trichlorofluoromethane	1.87	101	46812	5.173	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	26580	5.228	ug/L 96
12) 1,1-Dichloroethene	2.27	96	22997	5.108	ug/L 98
13) Acetone	2.31	43	66961	48.542	ug/L 99
14) Carbon disulfide	2.46	76	58406	5.061	ug/L 99
15) Methyl Acetate	2.60	43	16508	4.903	ug/L 94
16) Methylene chloride	2.68	84	27931	4.664	ug/L 98
17) Methyl tert-butyl Ether	2.98	73	82180	5.213	ug/L 99
18) trans-1,2-Dichloroethene	2.96	96	23095	4.936	ug/L 98
19) 1,1-Dichloroethane	3.42	63	58480	5.121	ug/L 97
21) 2-Butanone	4.26	43	109456	55.119	ug/L 100
22) cis-1,2-Dichloroethene	4.19	96	30727	4.910	ug/L 98

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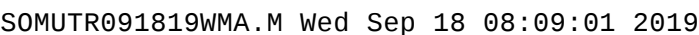
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

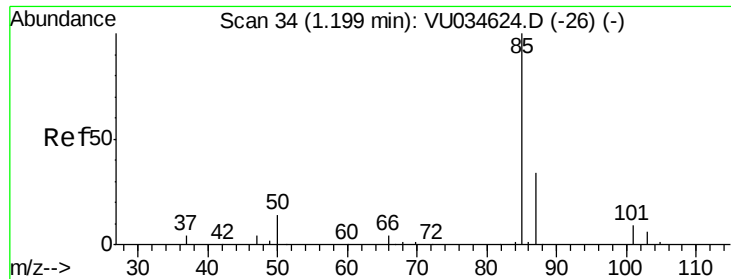
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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	12007	5.206	ug/L	94
25) Chloroform	4.65	83	70562	5.524	ug/L	100
27) 1,2-Dichloroethane	5.38	62	37798	5.143	ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	46083	4.891	ug/L	98
30) Cyclohexane	4.96	56	49453	4.993	ug/L	97
31) Carbon tetrachloride	5.11	117	37083	4.837	ug/L	93
33) Benzene	5.36	78	121275	5.019	ug/L	100
34) Trichloroethene	6.16	95	30590	5.078	ug/L	90
35) Methylcyclohexane	6.39	83	46611	4.791	ug/L	99
37) 1,2-Dichloropropane	6.41	63	36894	4.945	ug/L	99
38) Bromodichloromethane	6.73	83	44377	4.971	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	50204	4.779	ug/L	96
40) 4-Methyl-2-pentanone	7.44	43	289926	51.559	ug/L	99
42) Toluene	7.61	91	129717	4.967	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	37605	4.413	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	24051	5.068	ug/L	97
47) Tetrachloroethene	8.21	164	17461	4.782	ug/L	97
48) 2-Hexanone	8.34	43	201573	53.338	ug/L	95
49) Dibromochloromethane	8.46	129	26590	4.778	ug/L	98
50) 1,2-Dibromoethane	8.57	107	21176	4.894	ug/L	97
51) Chlorobenzene	9.10	112	81181	4.959	ug/L	97
52) Ethylbenzene	9.23	91	150939	5.000	ug/L	97
53) m,p-Xylene	9.35	106	52502	4.904	ug/L	94
54) o-Xylene	9.76	106	53728	4.995	ug/L	97
55) Styrene	9.77	104	90203	5.049	ug/L	99
56) Isopropylbenzene	10.14	105	148772	4.979	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	34942	4.988	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	24287	4.983	ug/L	96
61) Bromoform	9.94	173	13163	4.998	ug/L	91
62) 1,3-Dichlorobenzene	11.39	146	59651	5.096	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	56723	4.854	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	58158	5.076	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.64	75	5234	5.045	ug/L	91
67) 1,3,5-Trichlorobenzene	12.86	180	36976	4.833	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	28900	4.737	ug/L	97
69) Naphthalene	13.72	128	62009	4.174	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	27732	4.853	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 4.953 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

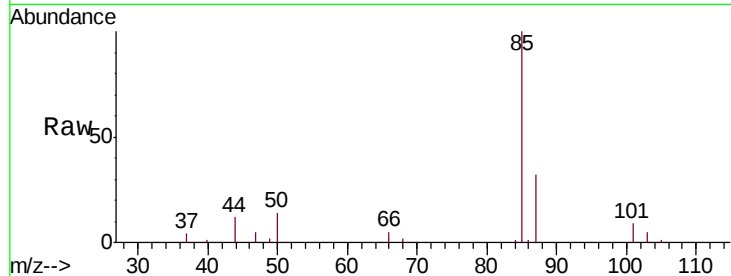
VSTD00521

Tgt Ion: 85 Resp: 34238

Ion Ratio Lower Upper

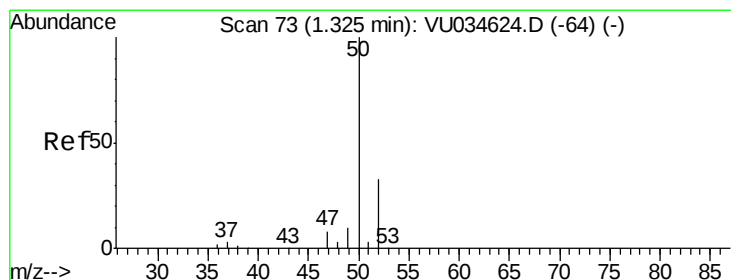
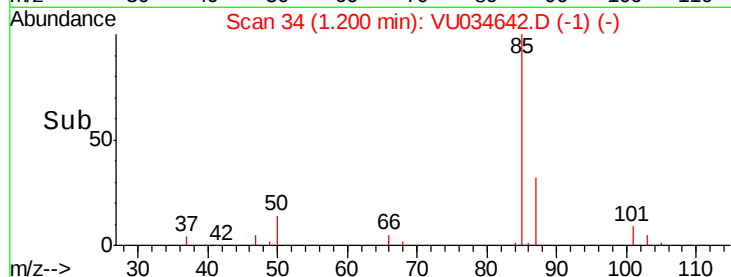
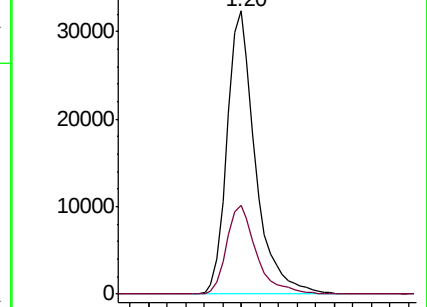
85 100

87 33.1 25.0 37.4



Abundance Ion 85.00 (84.70 to 85.70): VU034642.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034642.D (-26) (-)



#3

Chloromethane

Concen: 5.035 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034642.D

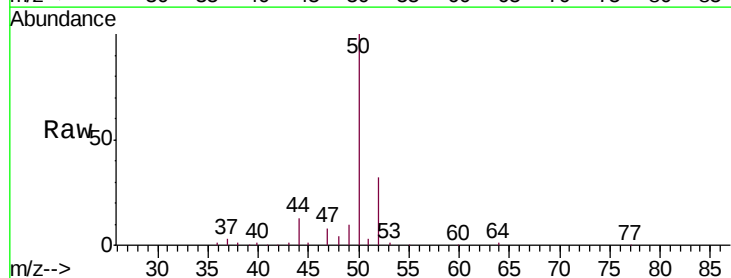
Acq: 18 Sep 2019 02:57

Tgt Ion: 50 Resp: 32821

Ion Ratio Lower Upper

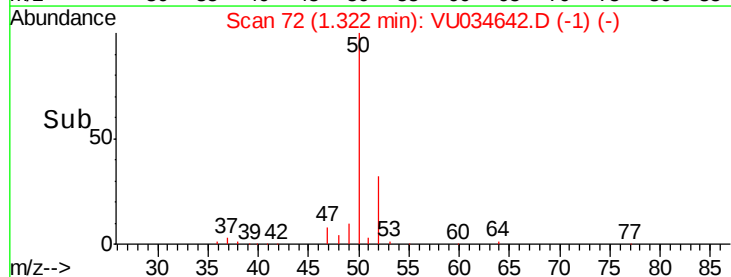
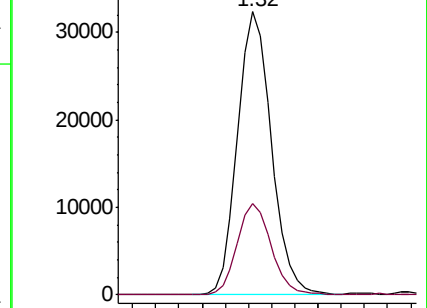
50 100

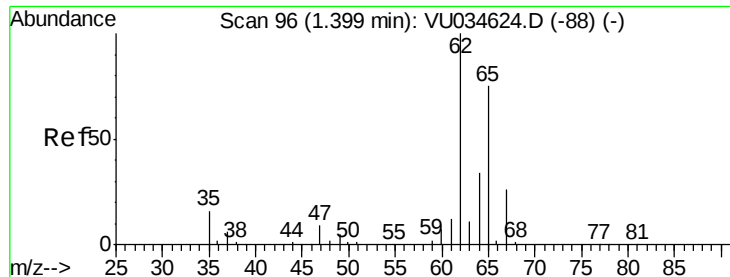
52 32.5 23.9 44.3



Abundance Ion 50.05 (49.75 to 50.75): VU034642.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034642.D (-64) (-)





#5

Vinyl chloride

Concen: 4.815 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

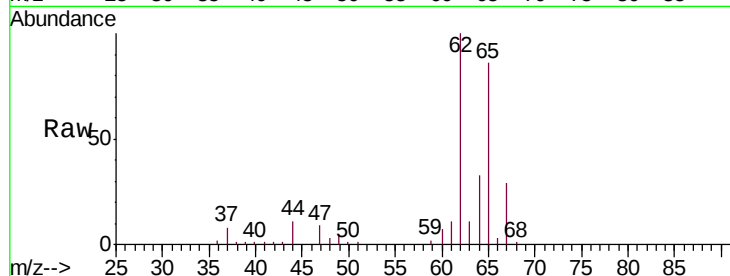
VSTD00521

Tgt Ion: 62 Resp: 32875

Ion Ratio Lower Upper

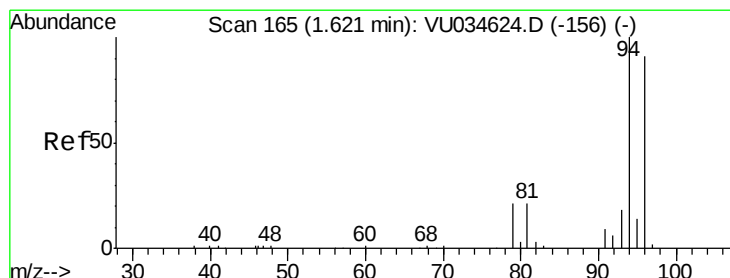
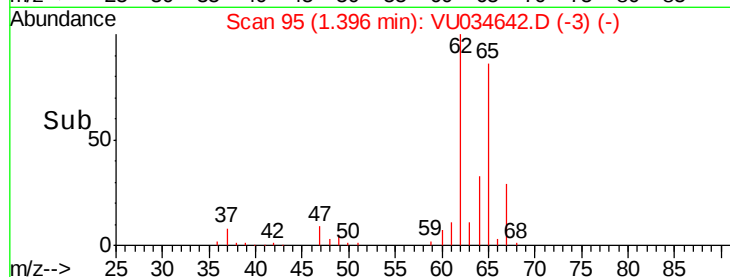
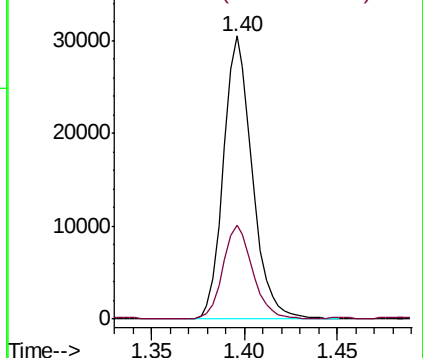
62 100

64 33.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.987 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU034642.D

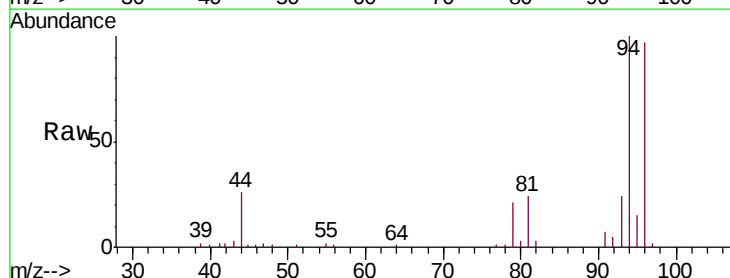
Acq: 18 Sep 2019 02:57

Tgt Ion: 94 Resp: 16974

Ion Ratio Lower Upper

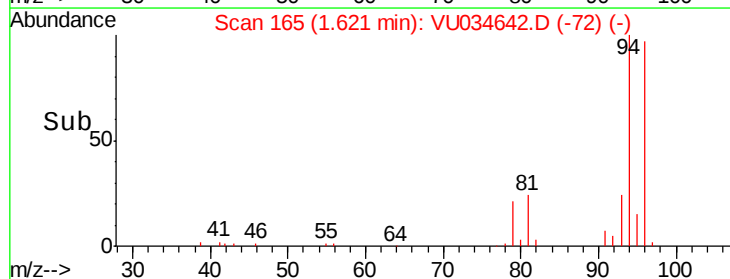
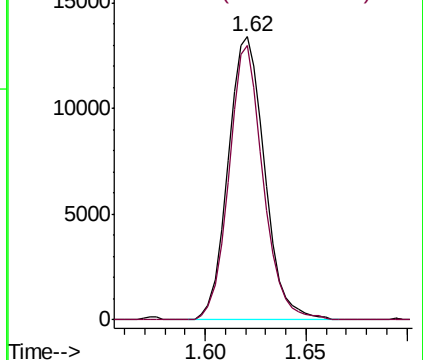
94 100

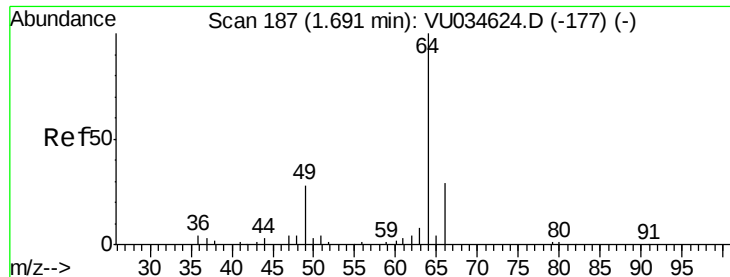
96 97.0 70.4 130.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.682 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

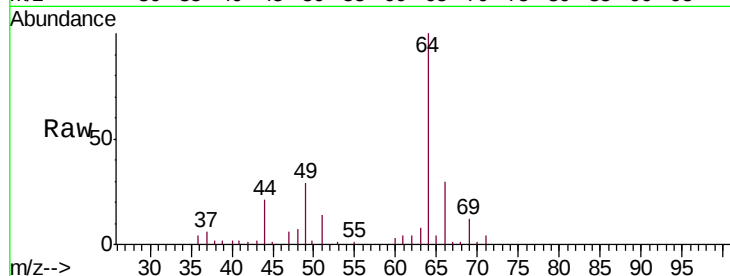
VSTD00521

Tgt Ion: 64 Resp: 22615

Ion Ratio Lower Upper

64 100

66 30.4 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU034642.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034642.D (-177) (-)

20000

15000

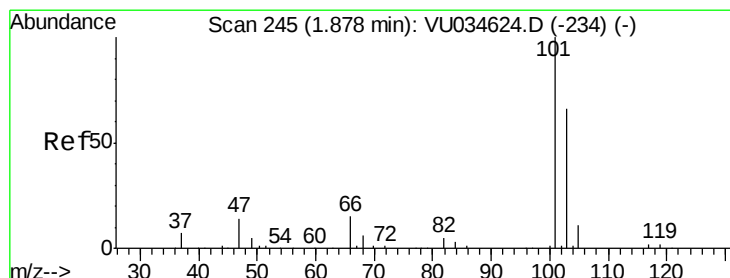
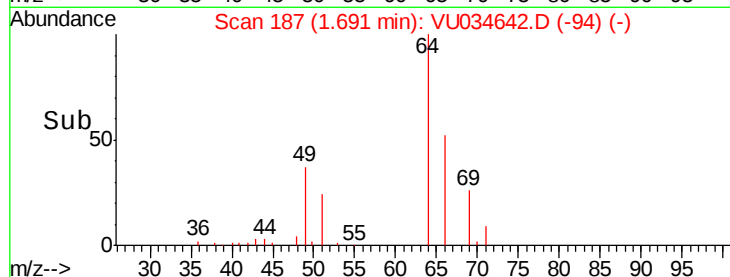
10000

5000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 5.173 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034642.D

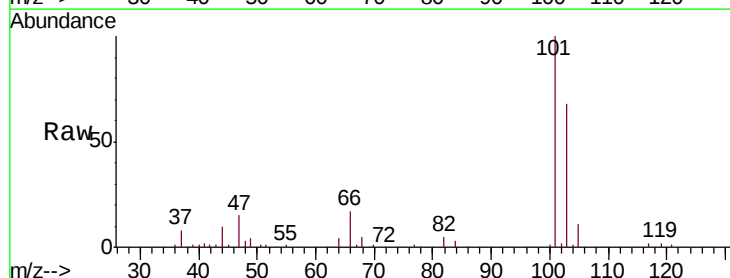
Acq: 18 Sep 2019 02:57

Tgt Ion: 101 Resp: 46812

Ion Ratio Lower Upper

101 100

103 64.5 53.2 79.8



Abundance Ion 101.00 (100.70 to 101.70): VU034642.D (-234) (-)

Ion 103.00 (102.70 to 103.70): VU034642.D (-234) (-)

30000

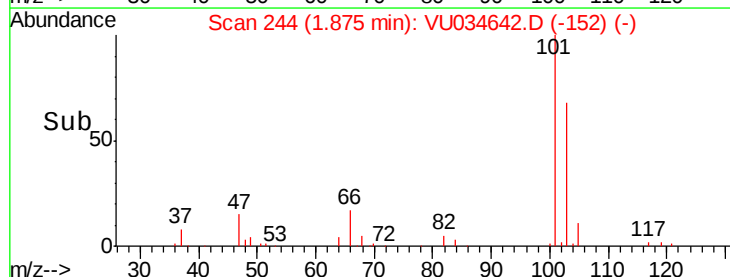
20000

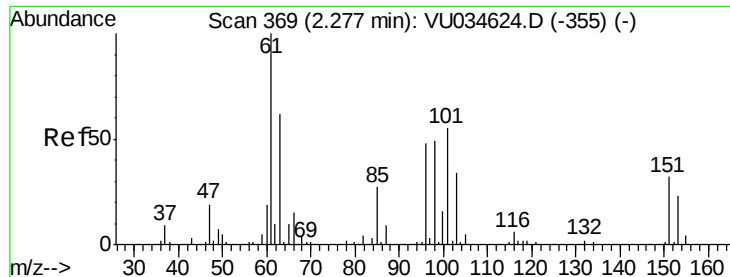
10000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 5.228 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

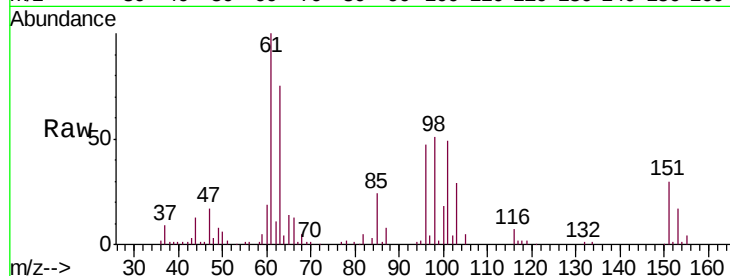
Tgt Ion: 101 Resp: 26580

Ion Ratio Lower Upper

101 100

85 48.0 41.9 62.9

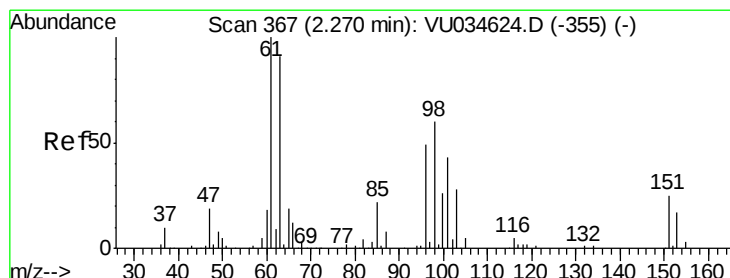
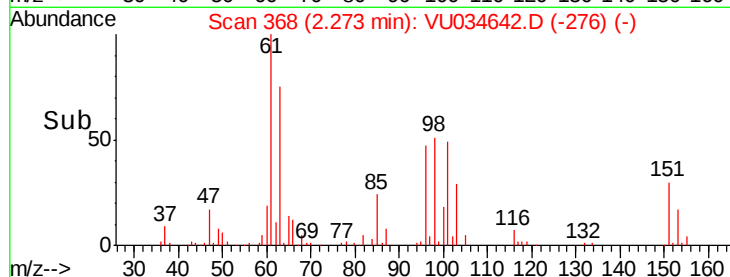
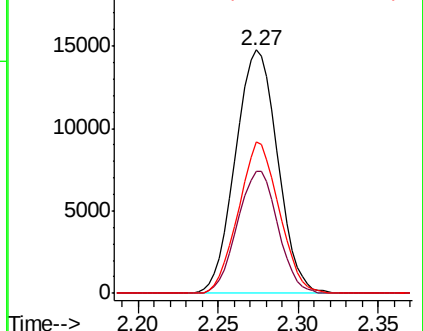
151 59.9 46.4 69.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.108 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

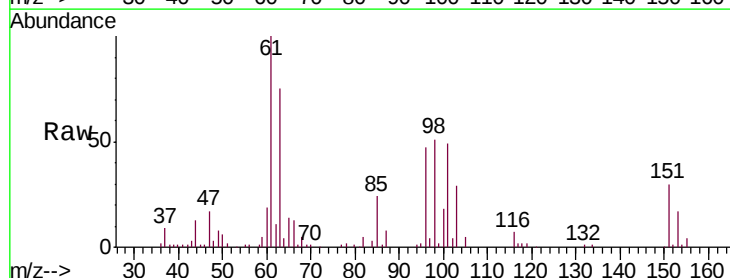
Tgt Ion: 96 Resp: 22997

Ion Ratio Lower Upper

96 100

61 211.0 144.4 268.2

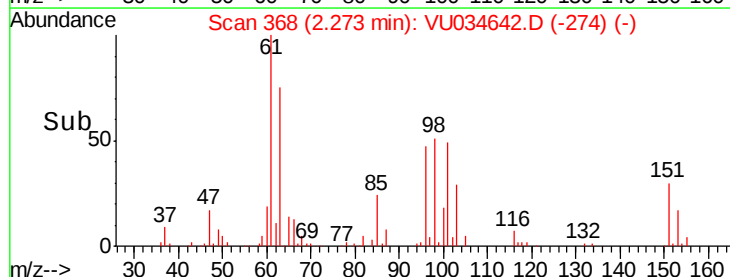
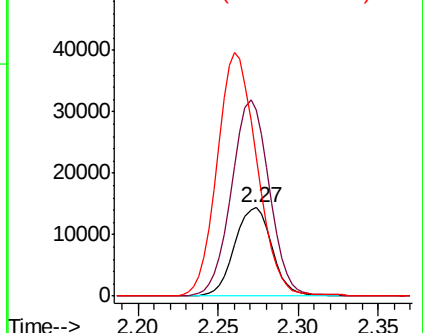
63 157.6 111.5 207.1

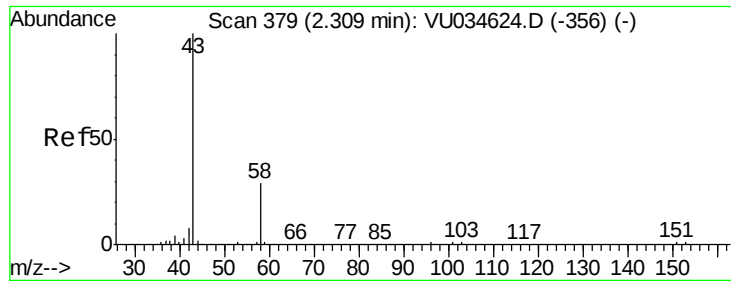


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.542 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

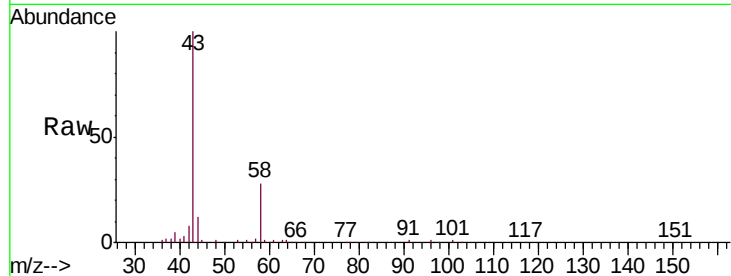
VSTD00521

Tgt Ion: 43 Resp: 66961

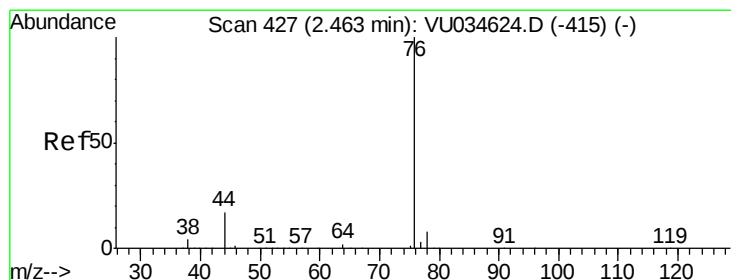
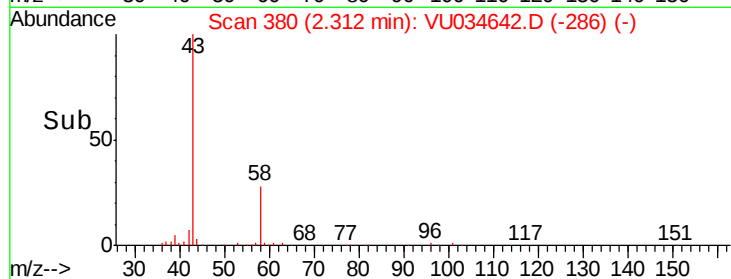
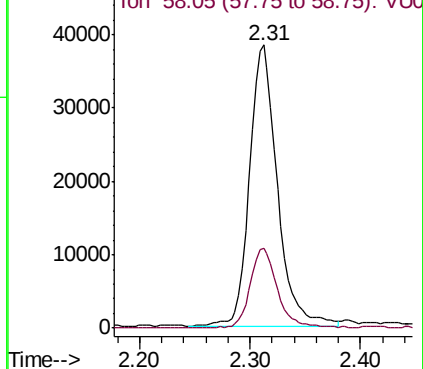
Ion Ratio Lower Upper

43 100

58 28.3 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU034642.D (-356) (-)



#14

Carbon disulfide

Concen: 5.061 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034642.D

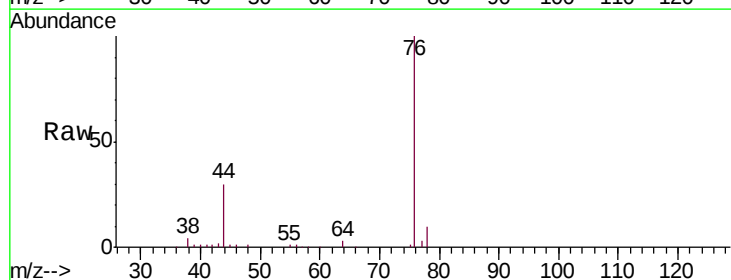
Acq: 18 Sep 2019 02:57

Tgt Ion: 76 Resp: 58406

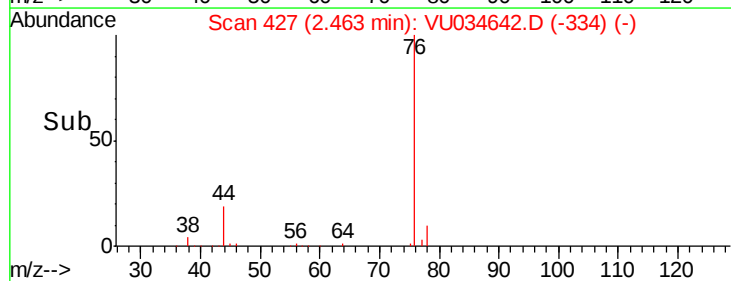
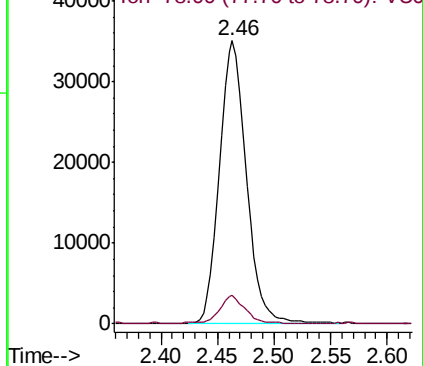
Ion Ratio Lower Upper

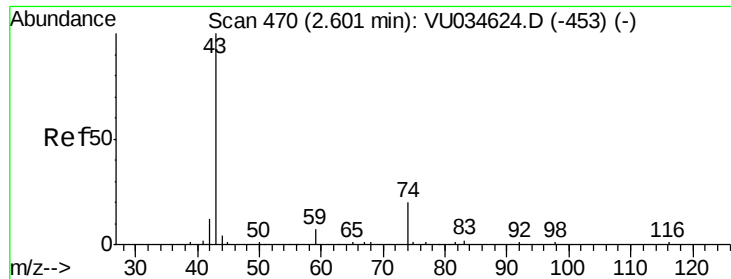
76 100

78 9.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU034642.D (-415) (-)

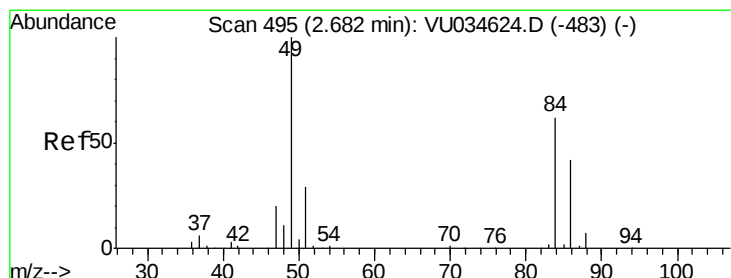
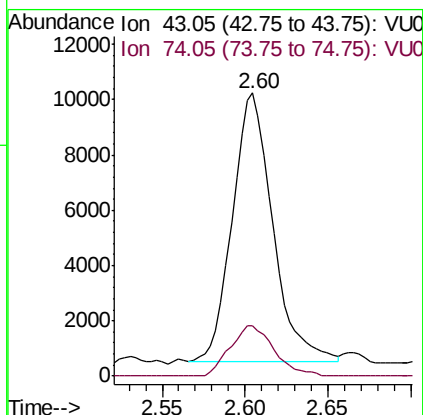
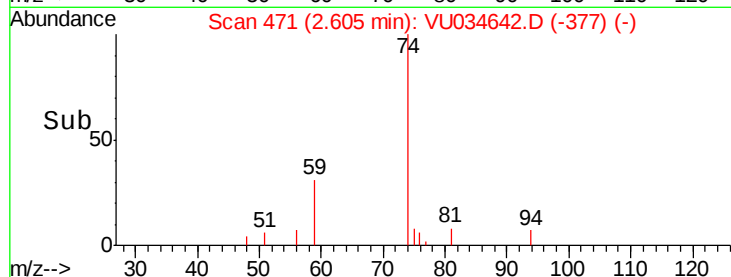
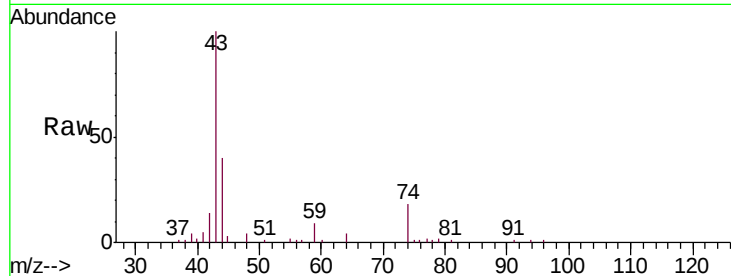




#15
Methyl Acetate
Concen: 4.903 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

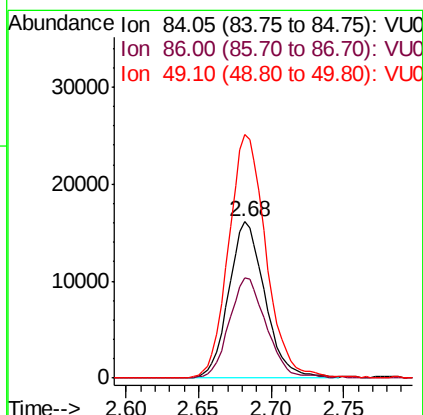
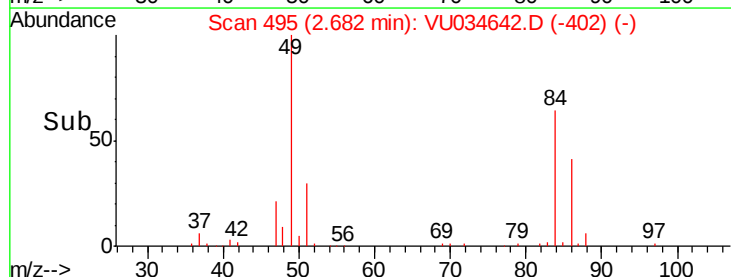
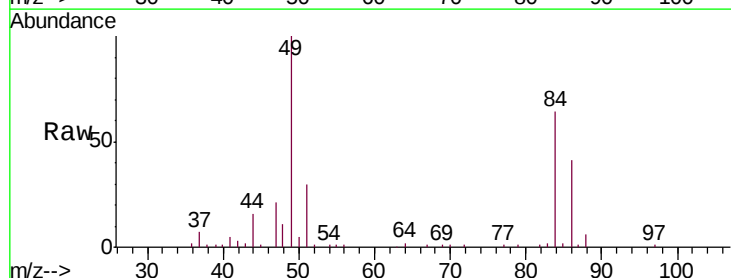
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

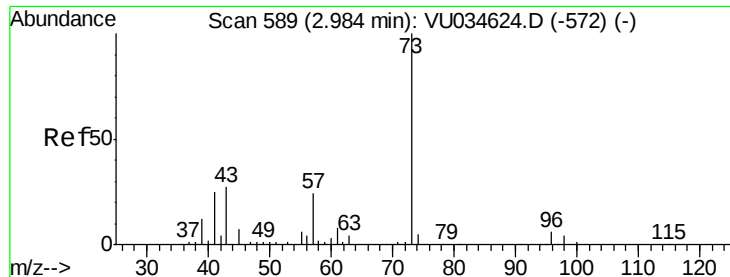
Tgt Ion: 43 Resp: 16508
Ion Ratio Lower Upper
43 100
74 20.4 14.2 21.2



#16
Methylene chloride
Concen: 4.664 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

Tgt Ion: 84 Resp: 27931
Ion Ratio Lower Upper
84 100
86 64.2 43.0 80.0
49 155.8 110.9 205.9





#17

Methyl tert-butyl Ether

Concen: 5.213 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

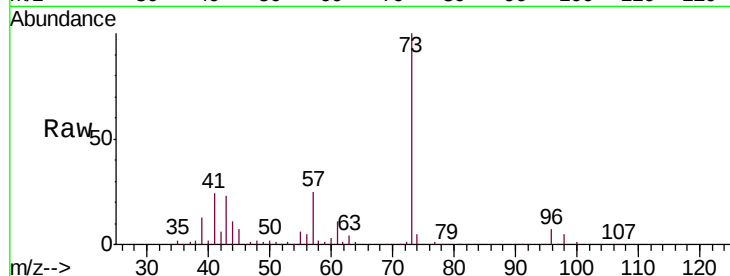
Tgt Ion: 73 Resp: 82180

Ion Ratio Lower Upper

73 100

43 26.4 20.3 30.5

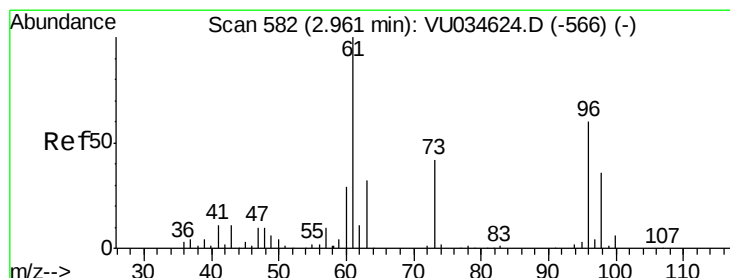
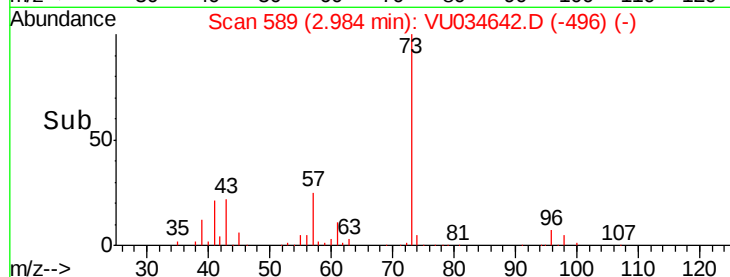
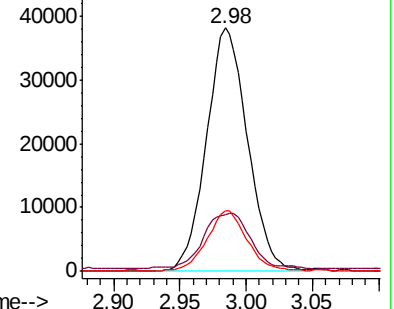
57 23.7 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VU034642.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU034642.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU034642.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.936 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

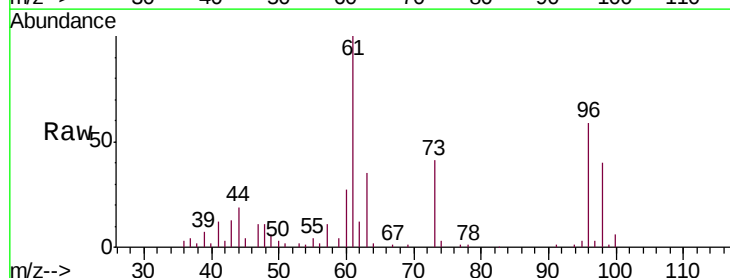
Tgt Ion: 96 Resp: 23095

Ion Ratio Lower Upper

96 100

61 169.3 118.2 219.6

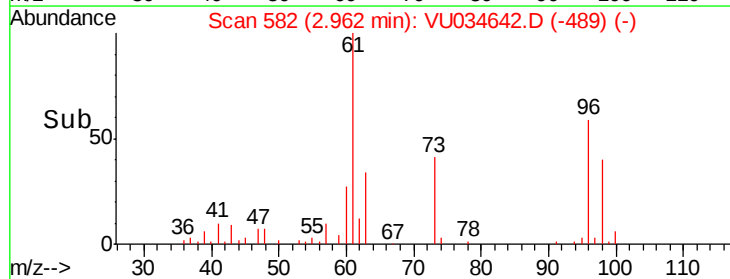
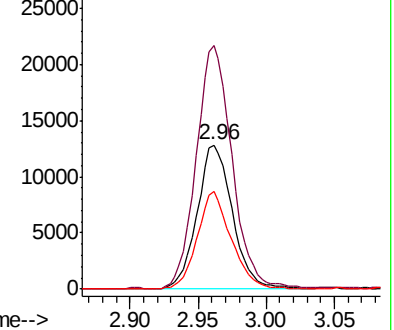
98 67.7 44.8 83.2

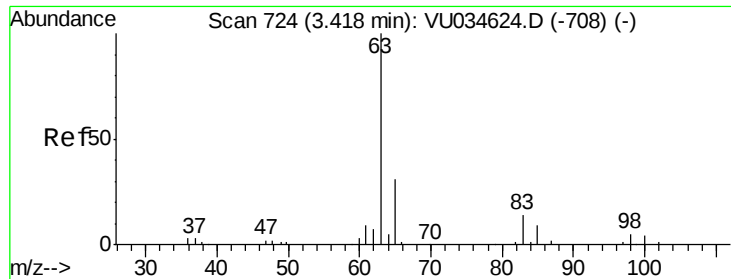


Abundance Ion 96.00 (95.70 to 96.70): VU034642.D (-566) (-)

Ion 61.05 (60.75 to 61.75): VU034642.D (-566) (-)

Ion 97.95 (97.65 to 98.65): VU034642.D (-566) (-)

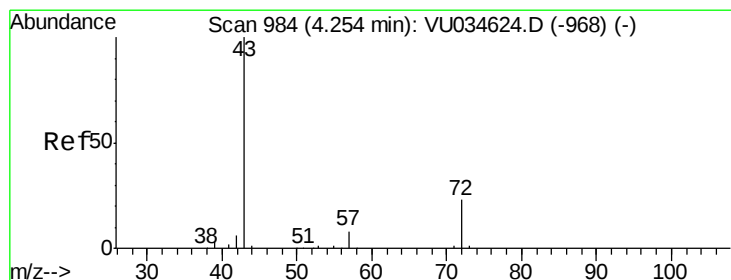
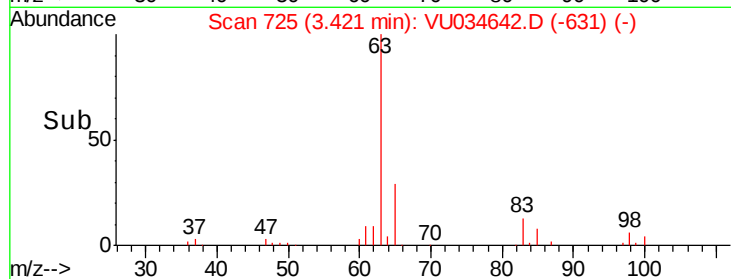
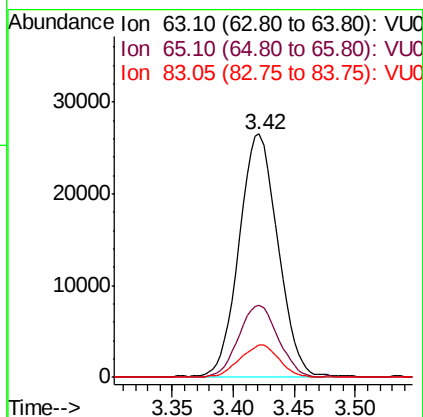
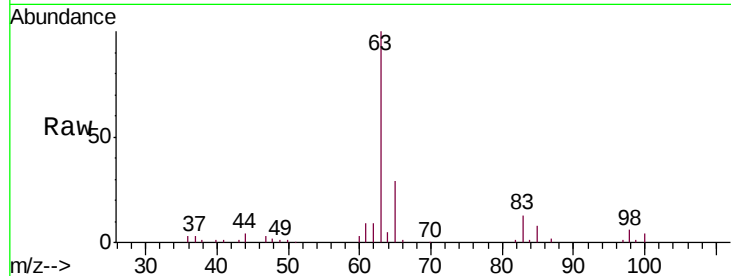




#19
 1,1-Dichloroethane
 Concen: 5.121 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

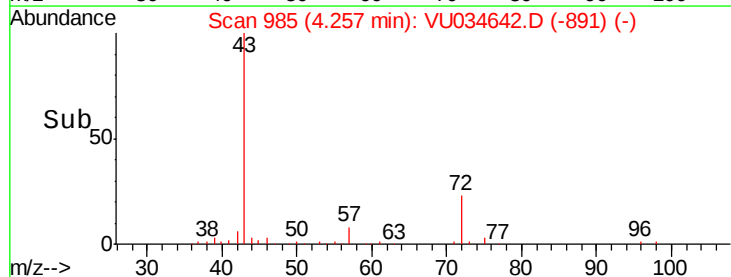
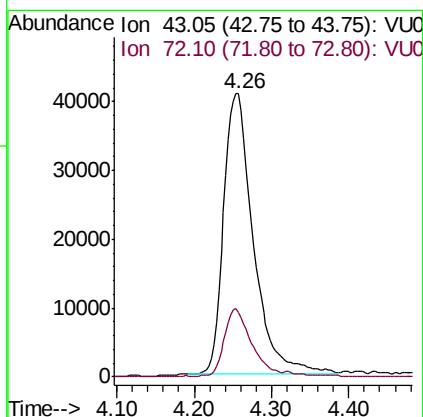
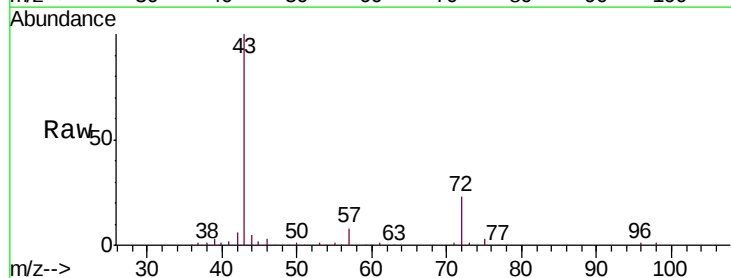
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

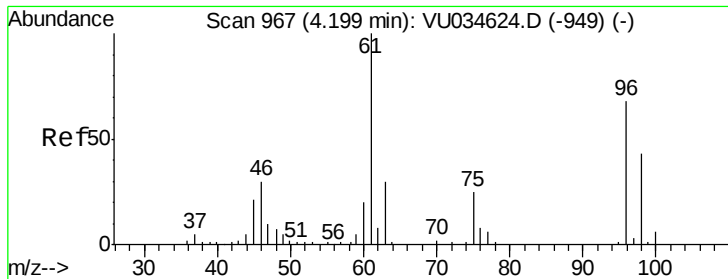
Tgt Ion: 63 Resp: 58480
 Ion Ratio Lower Upper
 63 100
 65 29.4 21.9 40.7
 83 13.1 9.4 17.6



#21
 2-Butanone
 Concen: 55.119 ug/L
 RT: 4.26 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion: 43 Resp: 109456
 Ion Ratio Lower Upper
 43 100
 72 21.4 10.8 32.3



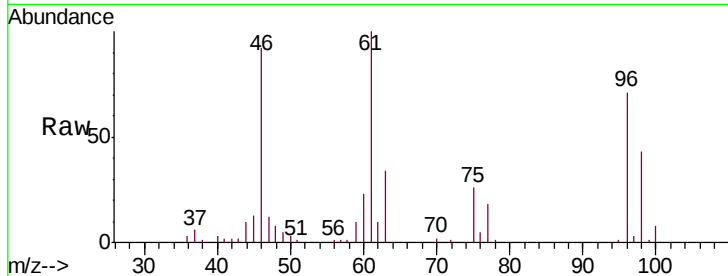


#22

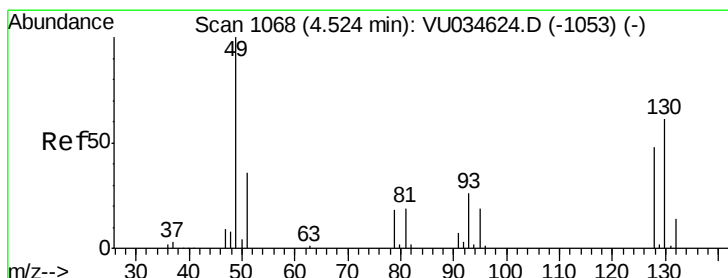
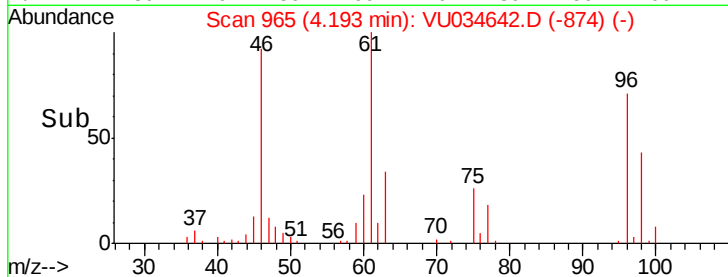
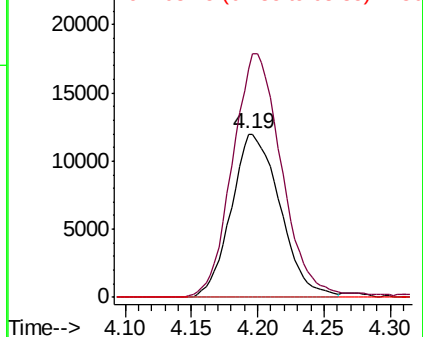
cis-1,2-Dichloroethene
 Concen: 4.910 ug/L
 RT: 4.19 min Scan# 965
 Delta R.T. -0.01 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 96 Resp: 30727
 Ion Ratio Lower Upper
 96 100
 61 140.0 100.0 185.8
 68 0.0 0.0 0.0



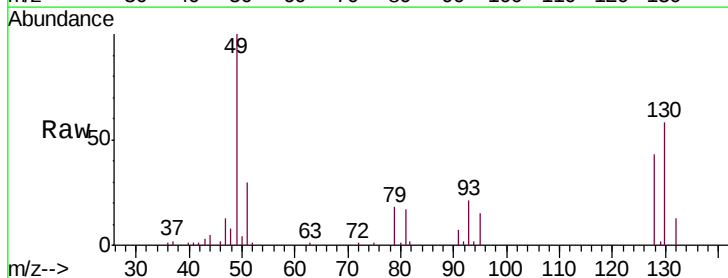
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



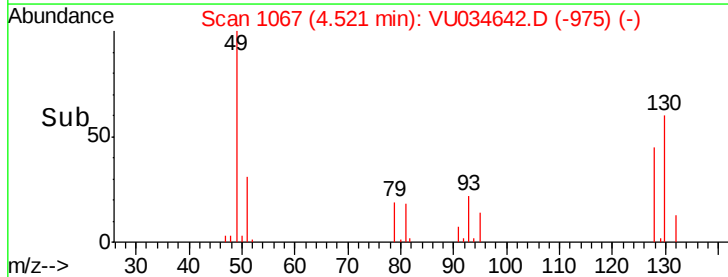
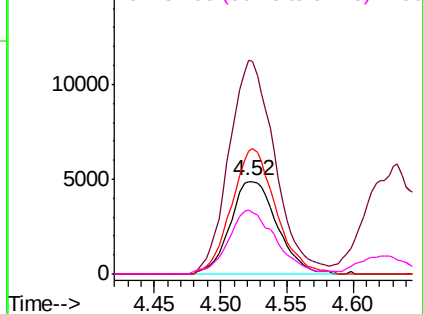
#23

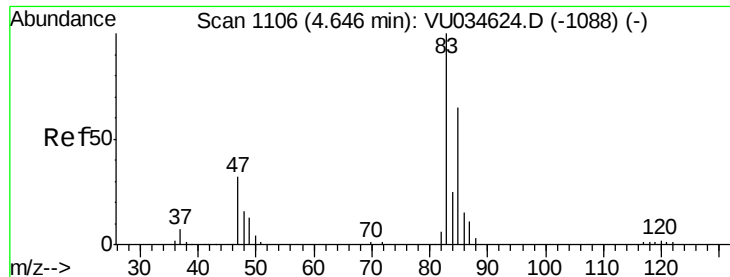
Bromochloromethane
 Concen: 5.206 ug/L
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion: 128 Resp: 12007
 Ion Ratio Lower Upper
 128 100
 49 230.1 149.9 278.3
 130 132.5 91.3 169.6
 51 68.6 55.7 83.5



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

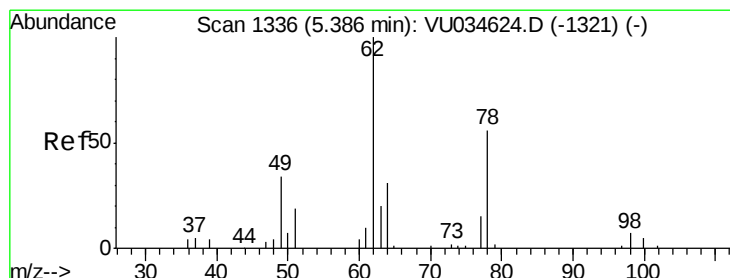
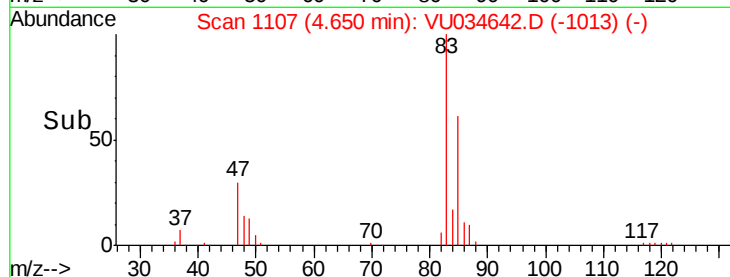
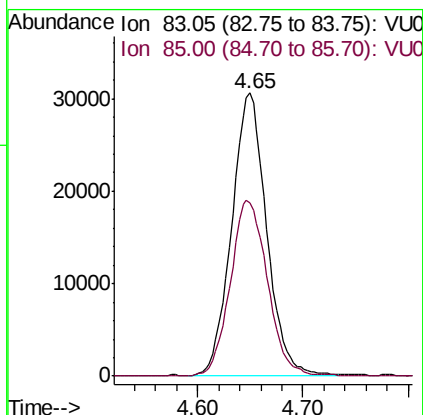
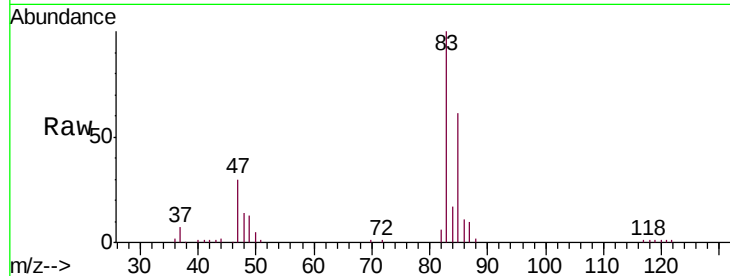




#25
Chloroform
Concen: 5.524 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

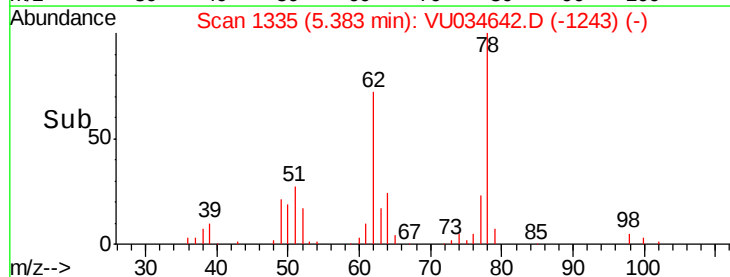
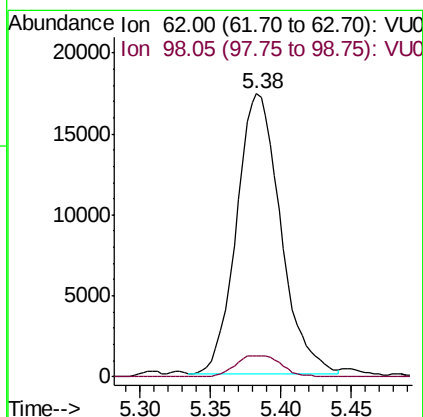
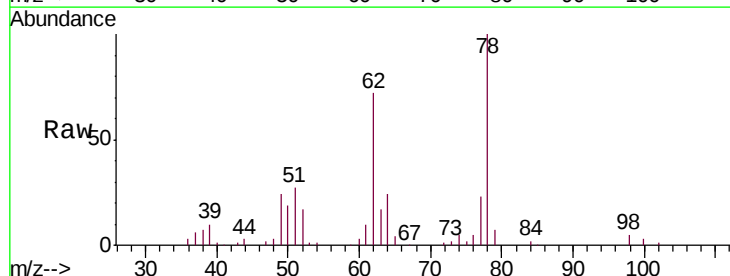
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

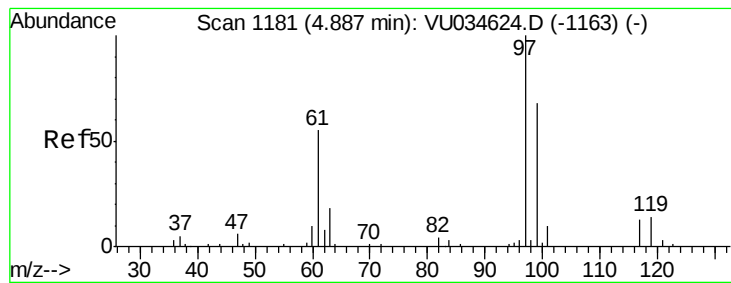
Tgt Ion: 83 Resp: 70562
Ion Ratio Lower Upper
83 100
85 61.2 42.8 79.4



#27
1,2-Dichloroethane
Concen: 5.143 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

Tgt Ion: 62 Resp: 37798
Ion Ratio Lower Upper
62 100
98 7.6 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 4.891 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

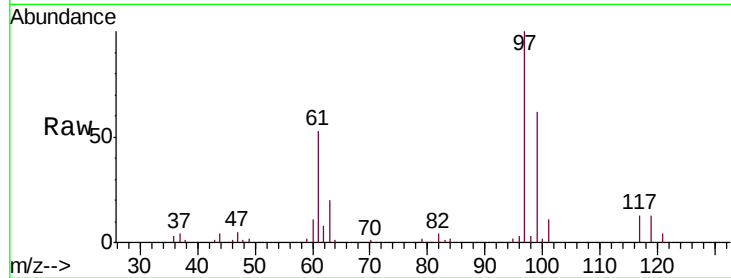
Tgt Ion: 97 Resp: 46083

Ion Ratio Lower Upper

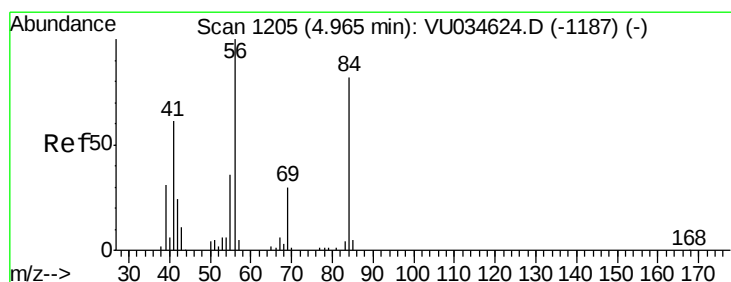
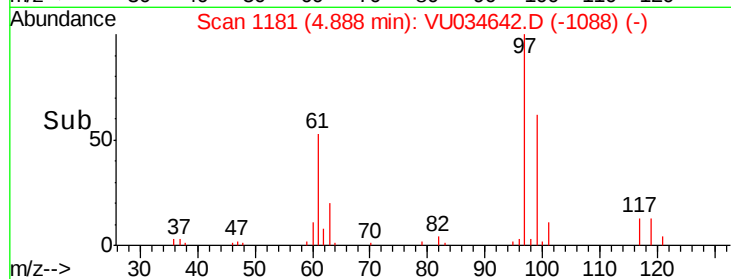
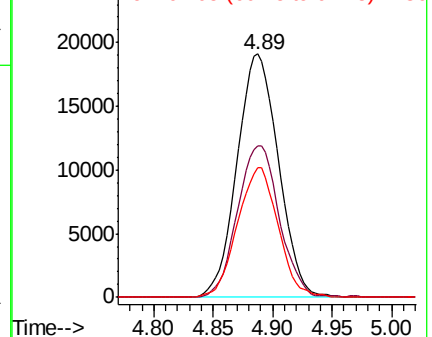
97 100

99 62.8 50.0 75.0

61 52.3 39.8 59.6



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



#30

Cyclohexane

Concen: 4.993 ug/L

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

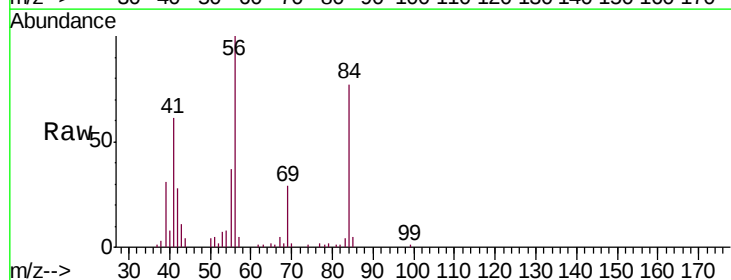
Tgt Ion: 56 Resp: 49453

Ion Ratio Lower Upper

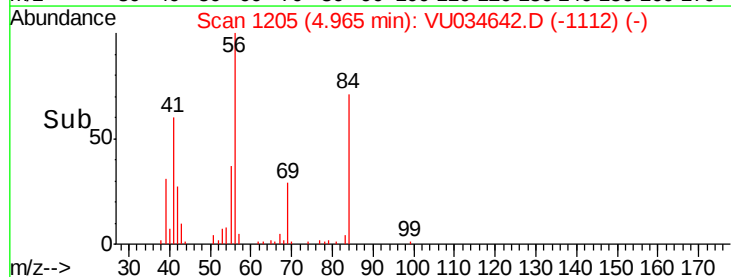
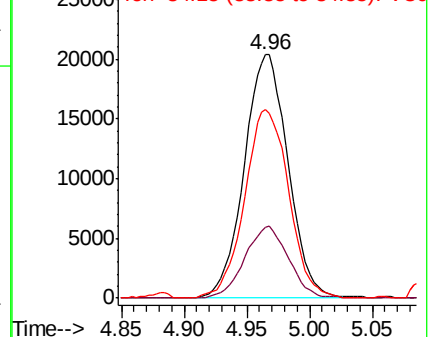
56 100

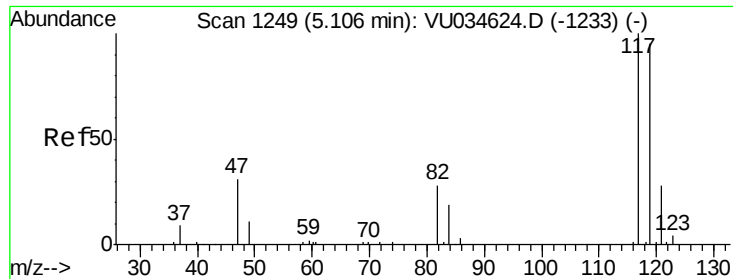
69 29.3 21.4 32.2

84 78.0 64.2 96.2



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





#31

Carbon tetrachloride

Concen: 4.837 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

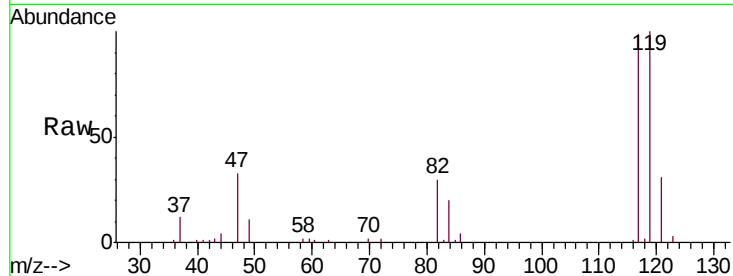
VSTD00521

Tgt Ion:117 Resp: 37083

Ion Ratio Lower Upper

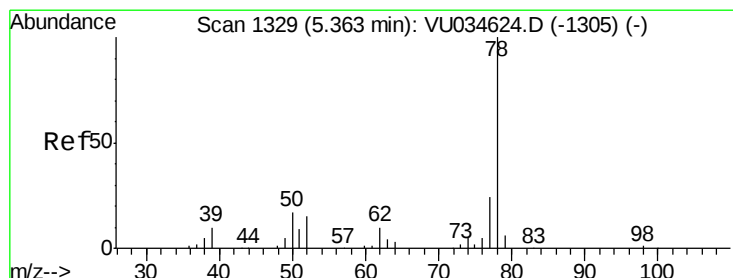
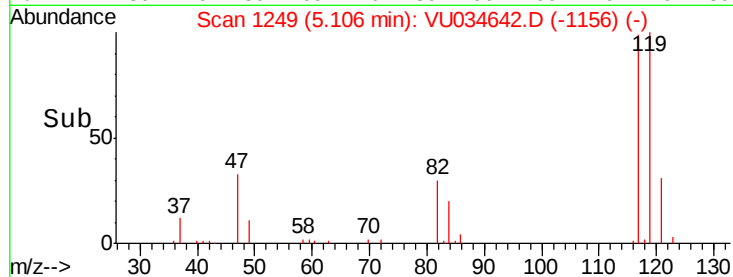
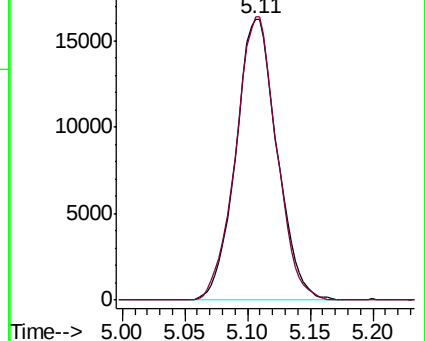
117 100

119 99.8 74.2 111.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.019 ug/L

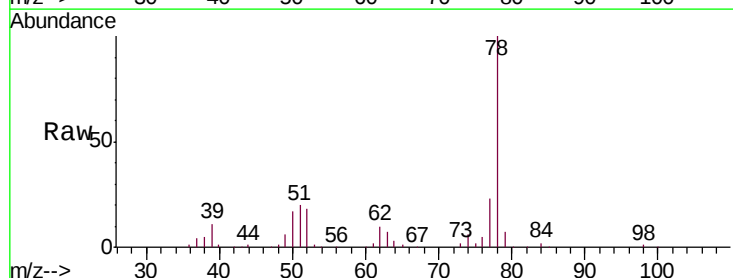
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

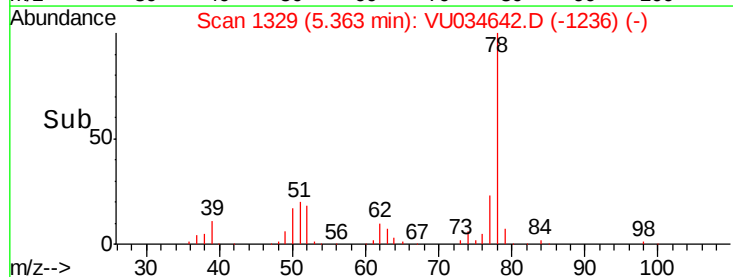
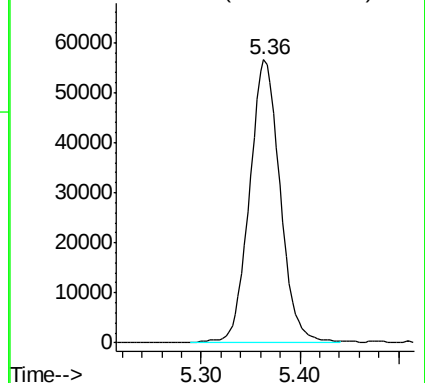
Lab File: VU034642.D

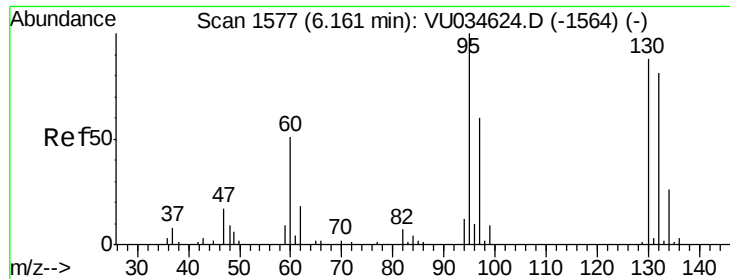
Acq: 18 Sep 2019 02:57

Tgt Ion: 78 Resp: 121275



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.078 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

Tgt Ion: 95 Resp: 30590

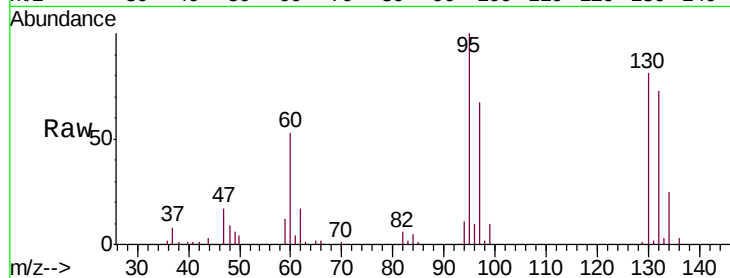
Ion Ratio Lower Upper

95 100

97 66.5 45.2 84.0

132 73.1 60.9 113.1

130 81.3 64.3 119.3

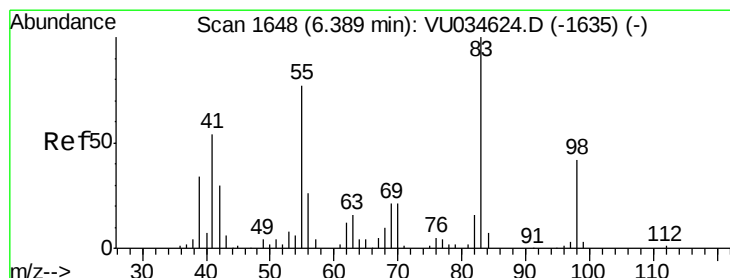
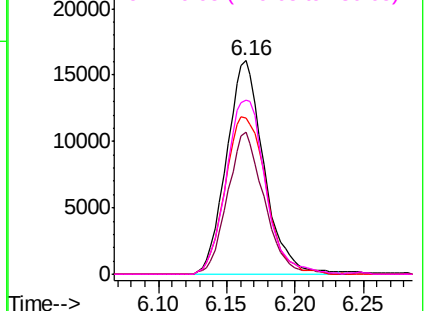
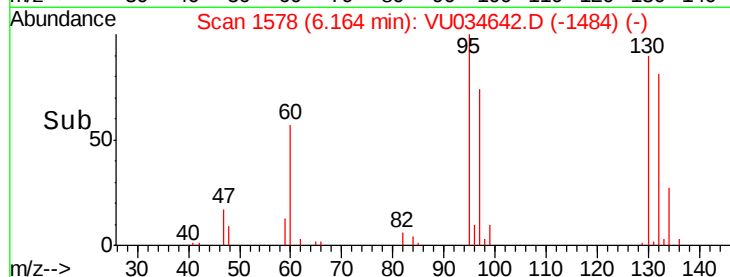


Abundance Ion 95.00 (94.70 to 95.70): VU034642.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU034642.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU034642.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU034642.D (-1564) (-)



#35

Methylcyclohexane

Concen: 4.791 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

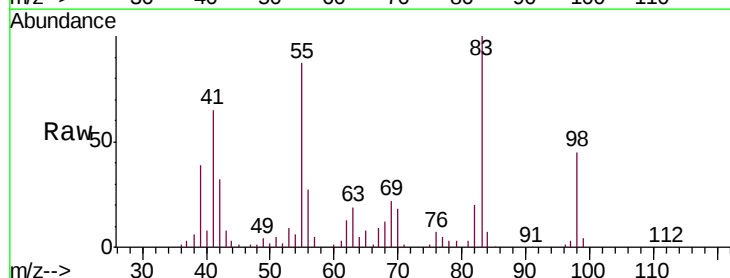
Tgt Ion: 83 Resp: 46611

Ion Ratio Lower Upper

83 100

55 84.4 66.8 100.2

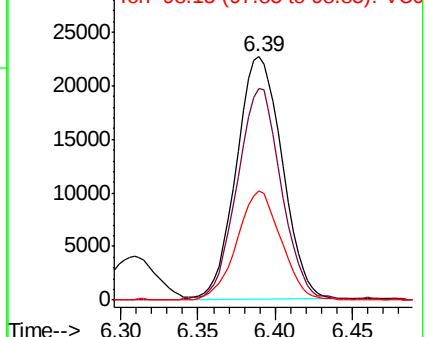
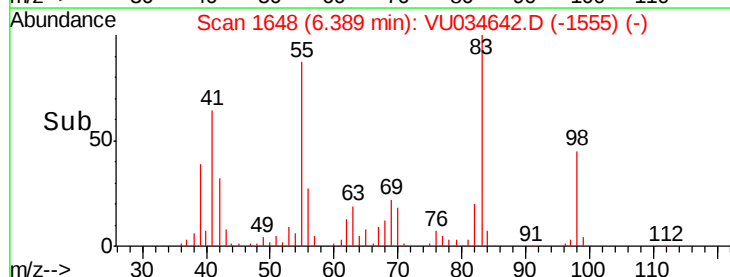
98 43.4 35.4 53.0

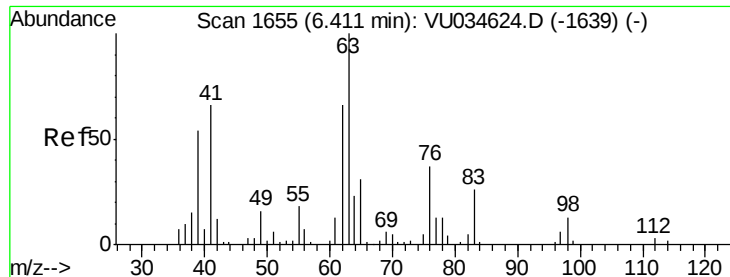


Abundance Ion 83.15 (82.85 to 83.85): VU034642.D (-1635) (-)

Ion 55.10 (54.80 to 55.80): VU034642.D (-1635) (-)

Ion 98.15 (97.85 to 98.85): VU034642.D (-1635) (-)

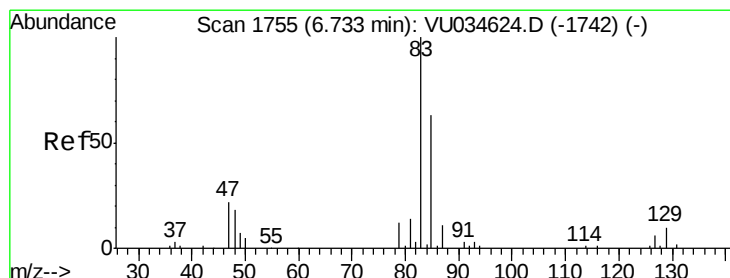
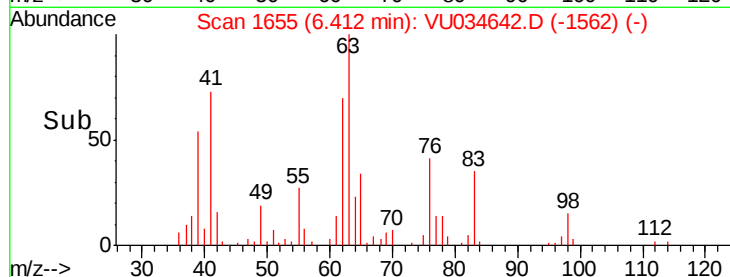
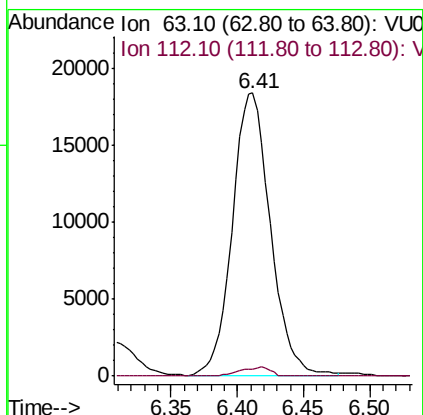
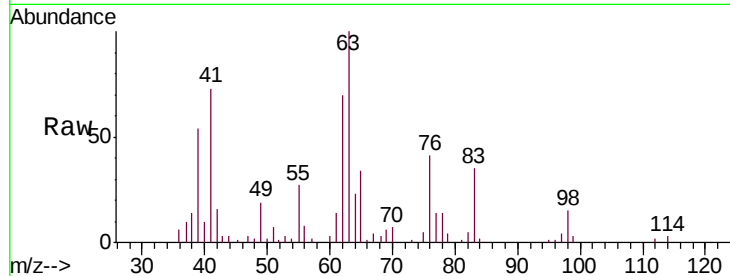




#37
 1,2-Dichloropropane
 Concen: 4.945 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

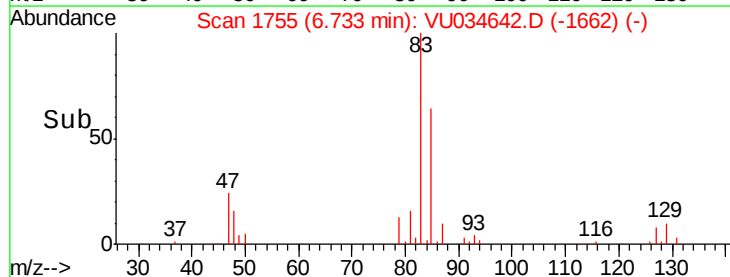
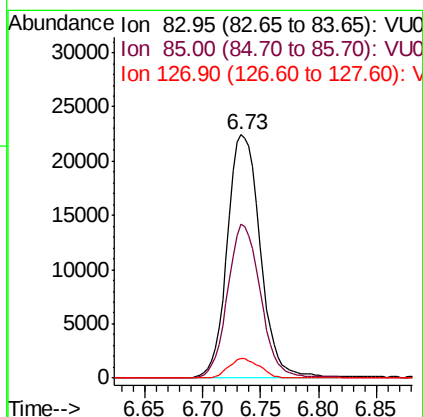
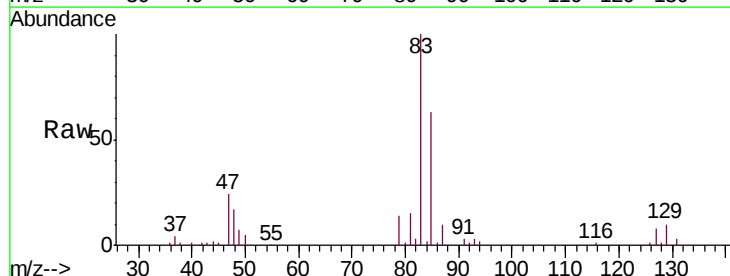
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

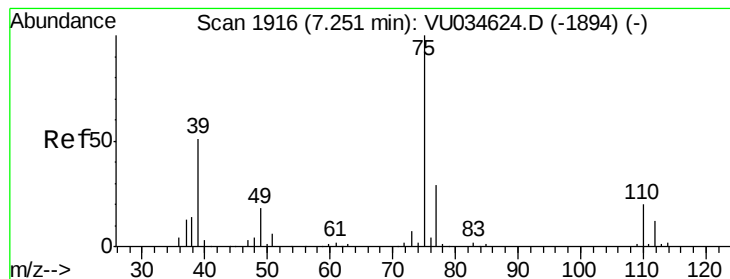
Tgt Ion: 63 Resp: 36894
 Ion Ratio Lower Upper
 63 100
 112 2.5 2.2 3.2



#38
 Bromodichloromethane
 Concen: 4.971 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion: 83 Resp: 44377
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.4 80.6
 127 8.2 6.2 9.2



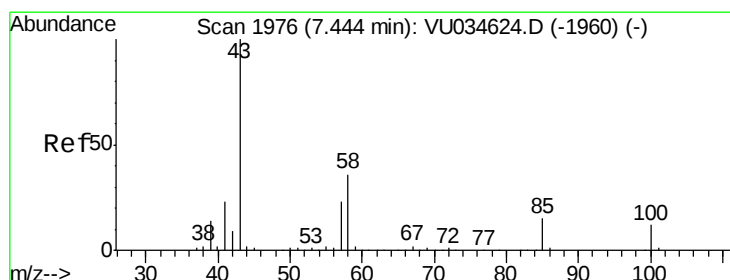
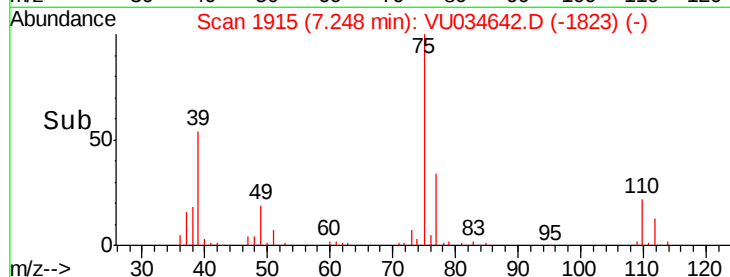
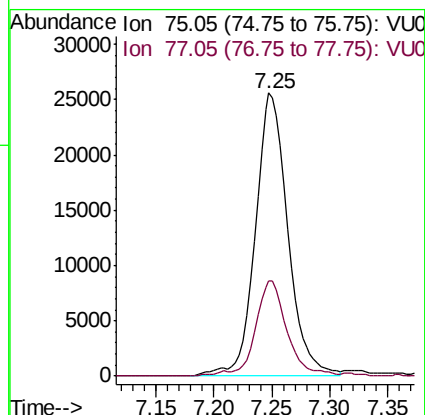
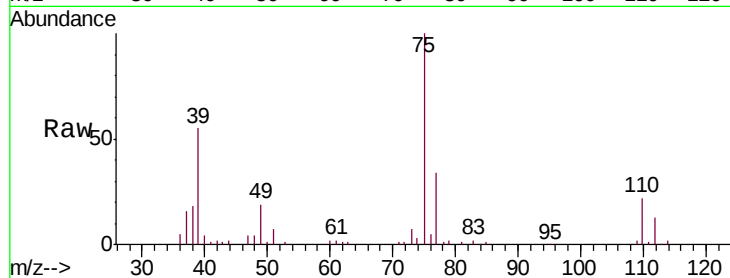


#39

cis-1,3-Dichloropropene
 Concen: 4.779 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

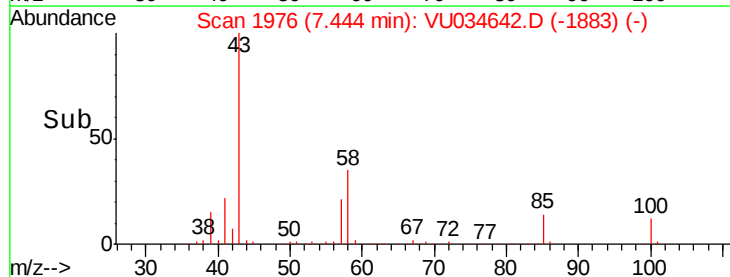
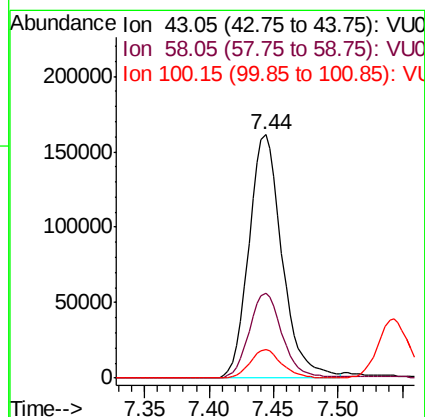
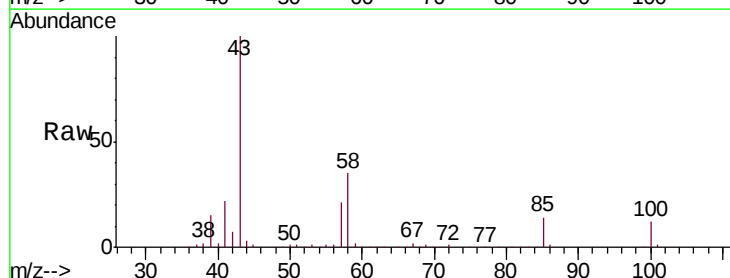
Tgt Ion: 75 Resp: 50204
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.2 41.2

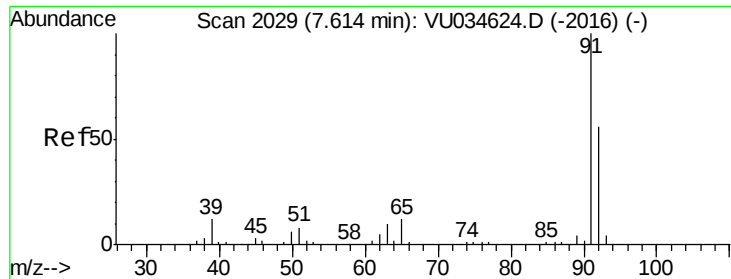


#40

4-Methyl-2-pentanone
 Concen: 51.559 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion: 43 Resp: 289926
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.6 42.8
 100 11.1 8.9 13.3





#42

Toluene

Concen: 4.967 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

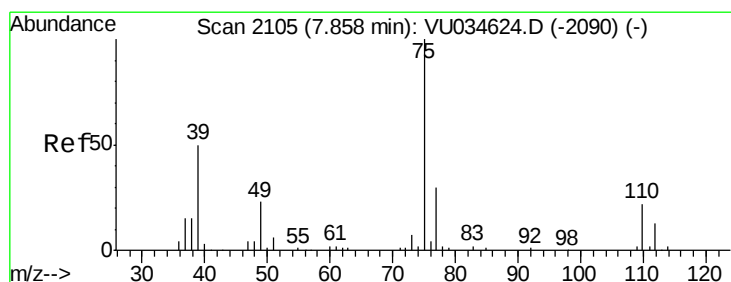
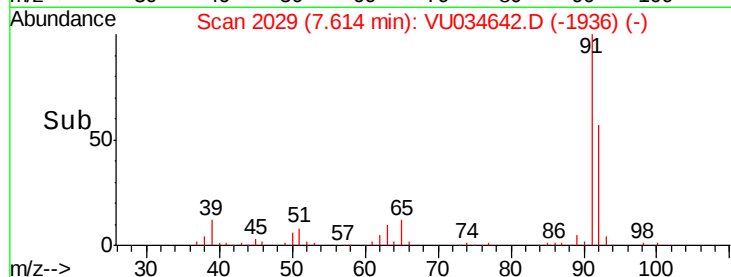
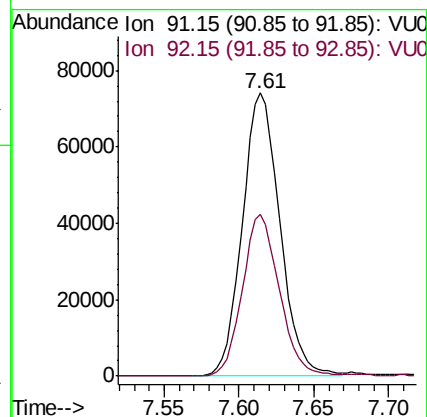
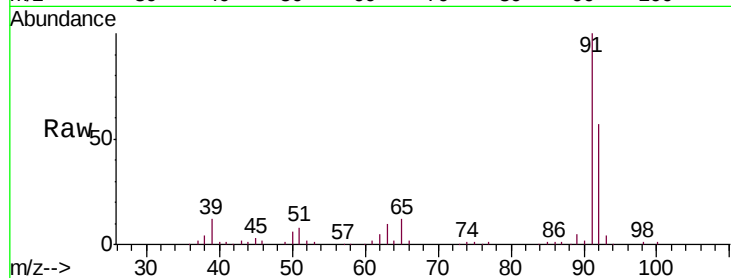
VSTD00521

Tgt Ion: 91 Resp: 129717

Ion Ratio Lower Upper

91 100

92 57.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.413 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034642.D

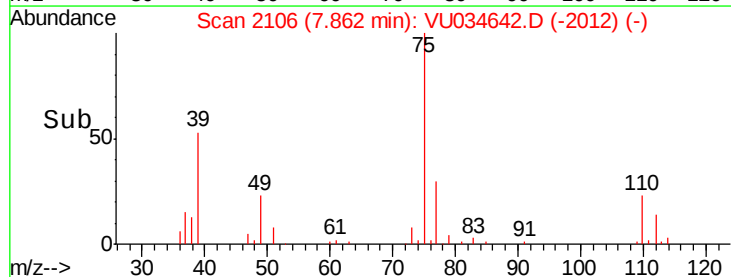
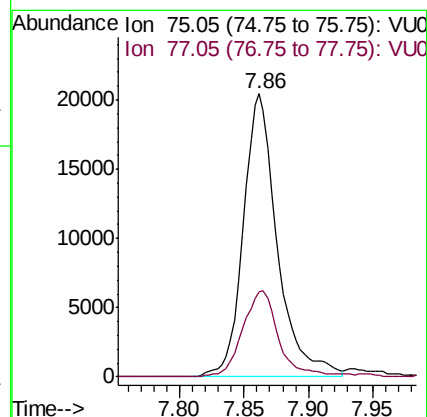
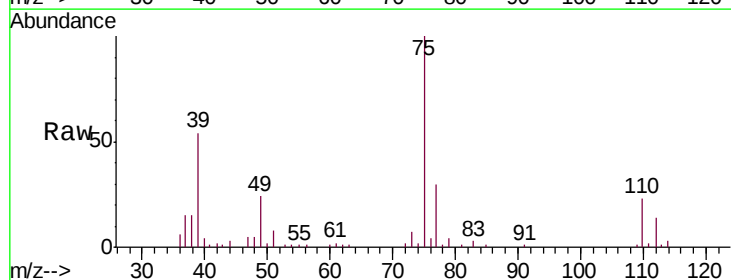
Acq: 18 Sep 2019 02:57

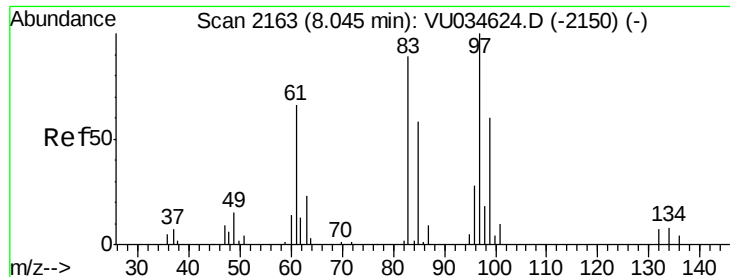
Tgt Ion: 75 Resp: 37605

Ion Ratio Lower Upper

75 100

77 30.1 21.1 39.3

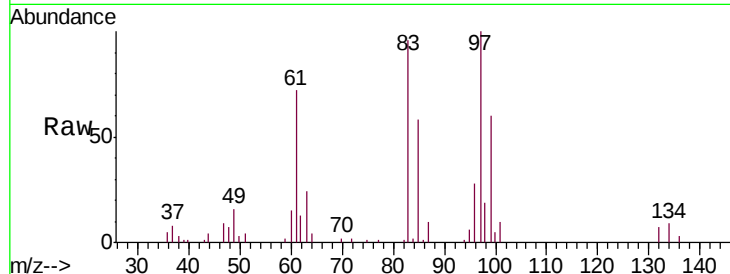




#45
 1,1,2-Trichloroethane
 Concen: 5.068 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:	97	Resp:	24051
Ion	Ratio	Lower	Upper
97	100		
99	59.6	42.5	78.9
83	96.1	65.9	122.5
85	58.0	43.5	80.9



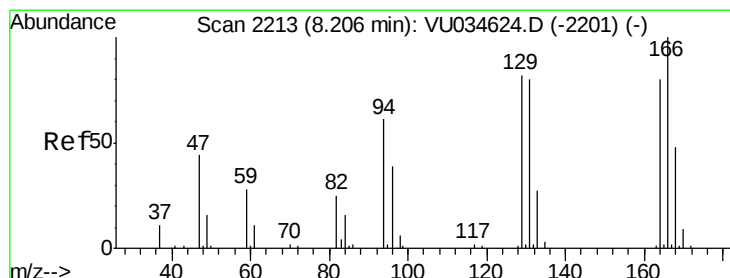
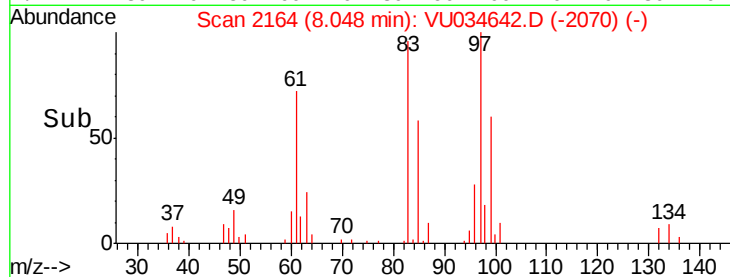
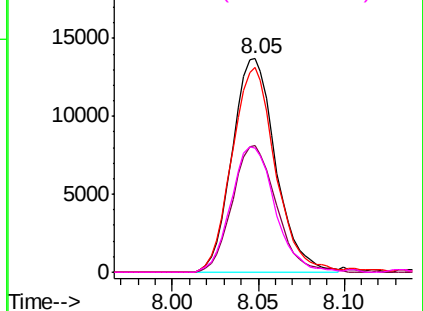
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

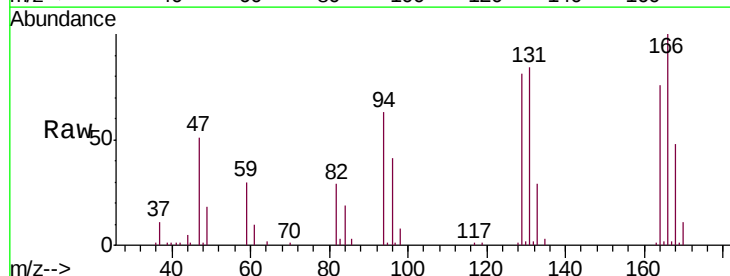
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.782 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion:	164	Resp:	17461
Ion	Ratio	Lower	Upper
164	100		
129	106.5	73.6	136.8
131	110.8	73.4	136.4
166	131.8	90.6	168.3



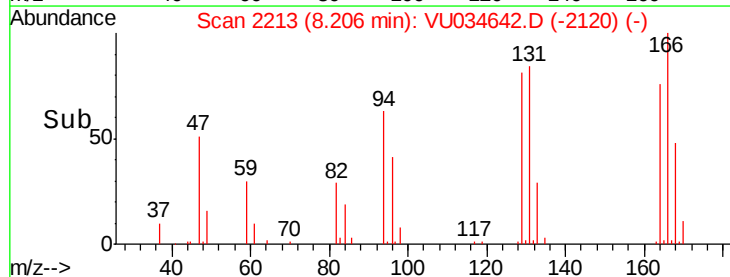
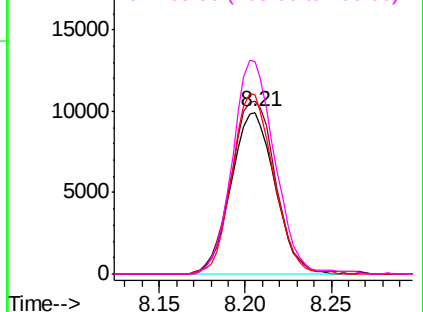
Abundance

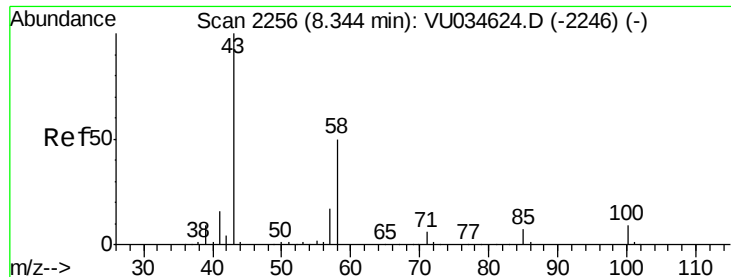
Ion 163.90 (163.60 to 164.60): V

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

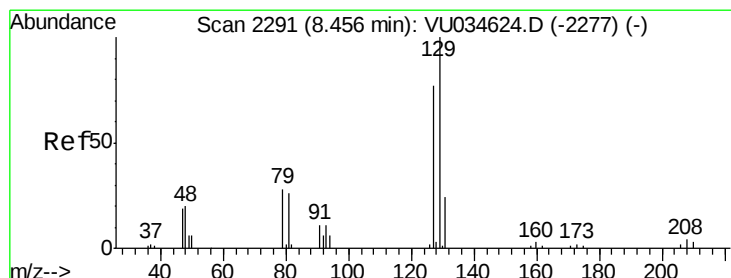
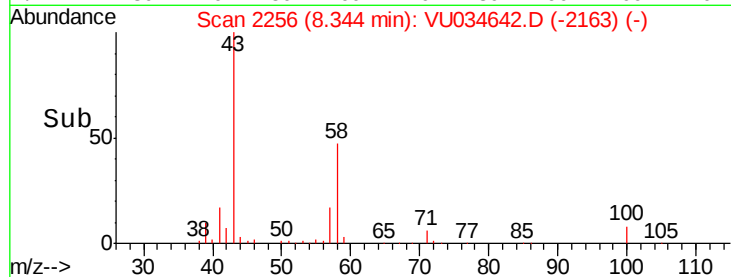
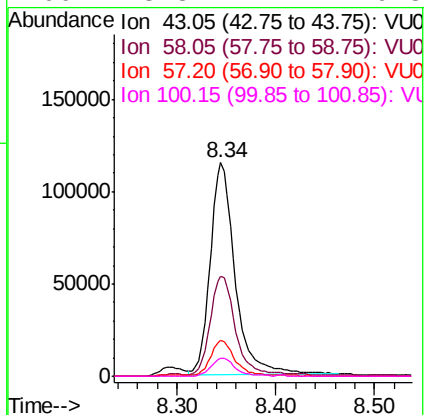
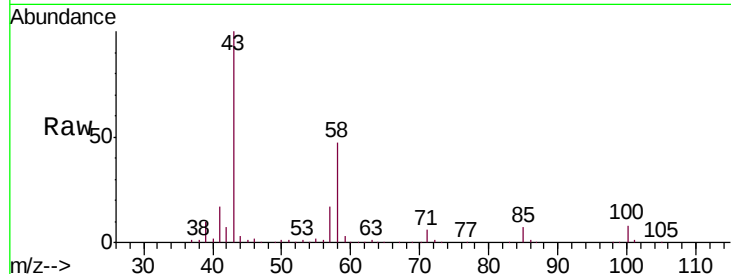




#48
2-Hexanone
Concen: 53.338 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

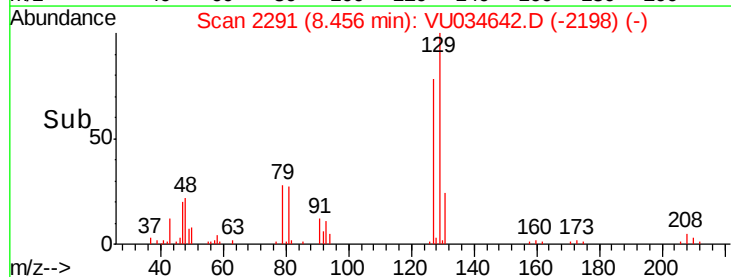
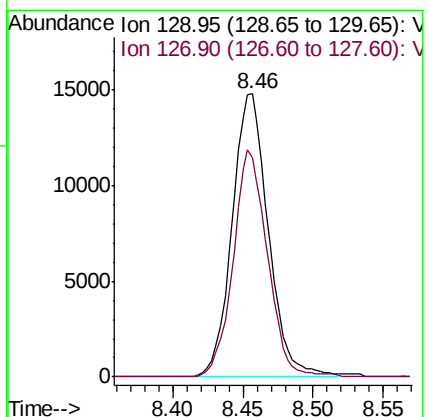
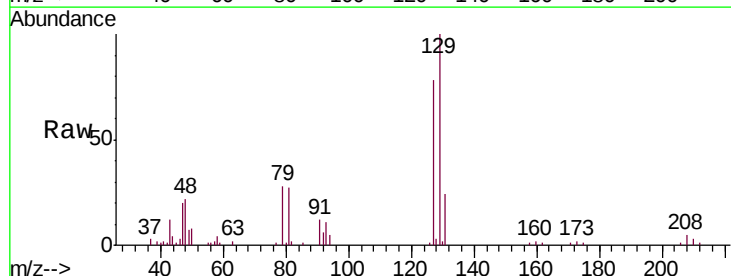
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

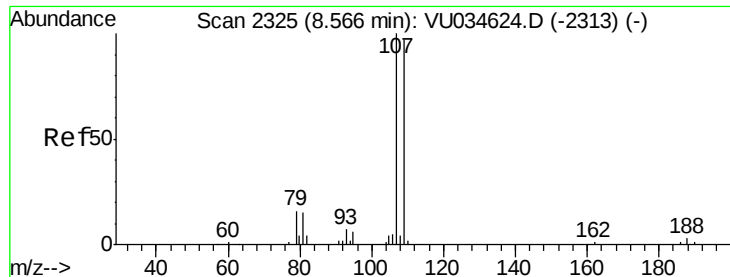
Tgt Ion:	43	Resp:	201573
Ion	Ratio	Lower	Upper
43	100		
58	46.9	41.2	61.8
57	16.4	13.3	19.9
100	8.3	7.2	10.8



#49
Dibromochloromethane
Concen: 4.778 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

Tgt Ion:	129	Resp:	26590
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.0	98.4

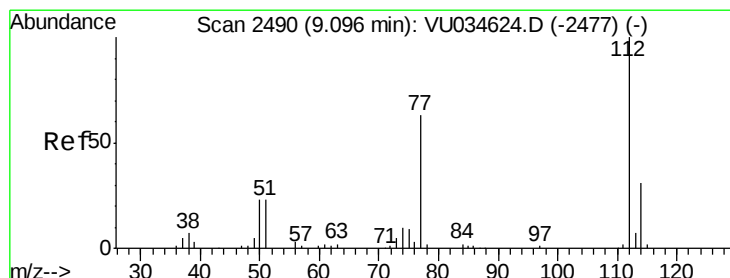
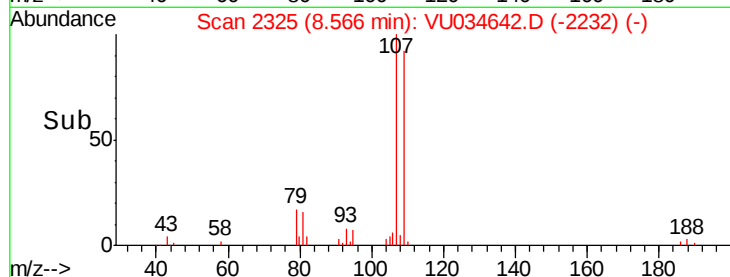
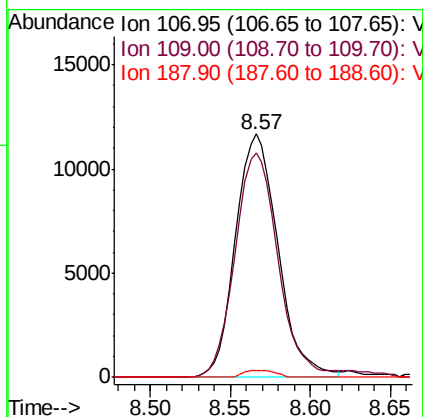
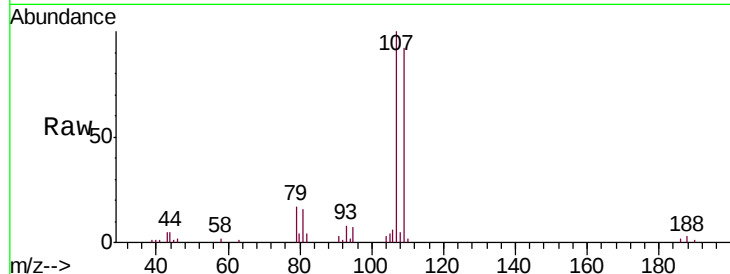




#50
1,2-Dibromoethane
Concen: 4.894 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

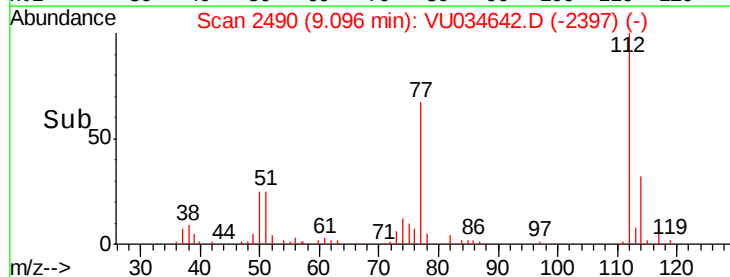
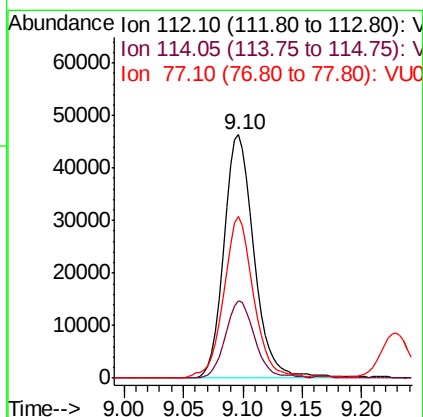
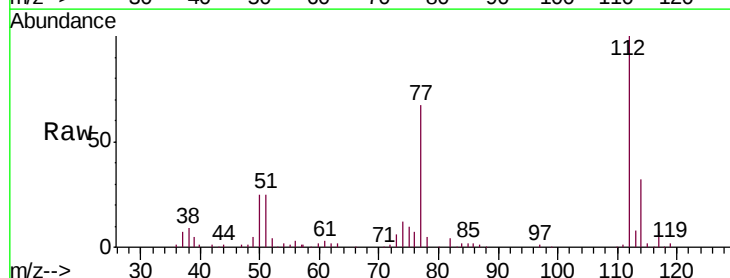
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

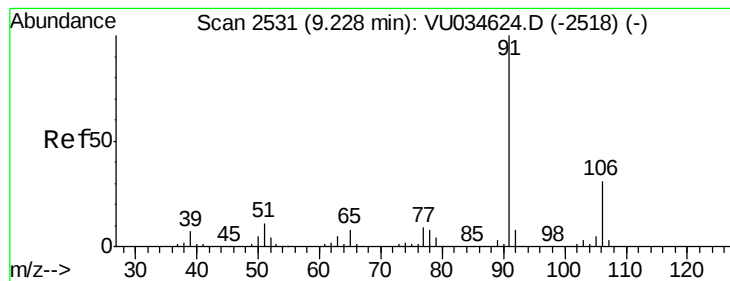
Tgt Ion:107 Resp: 21176
Ion Ratio Lower Upper
107 100
109 92.2 66.3 123.1
188 3.1 2.9 4.3



#51
Chlorobenzene
Concen: 4.959 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

Tgt Ion:112 Resp: 81181
Ion Ratio Lower Upper
112 100
114 31.9 22.5 41.7
77 66.6 50.3 75.5





#52

Ethylbenzene

Concen: 5.000 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

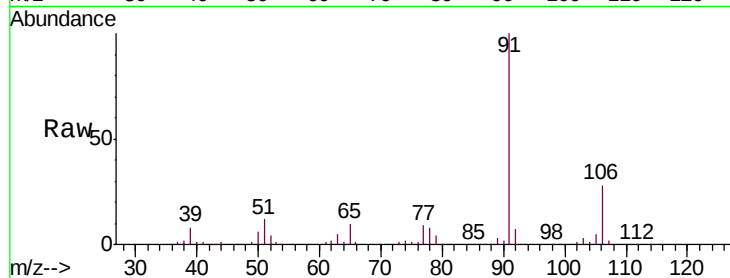
VSTD00521

Tgt Ion: 91 Resp: 150939

Ion Ratio Lower Upper

91 100

106 28.3 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU034642.D (-2518) (-)

Ion 106.15 (105.85 to 106.85): VU034642.D (-2518) (-)

9.23

100000

80000

60000

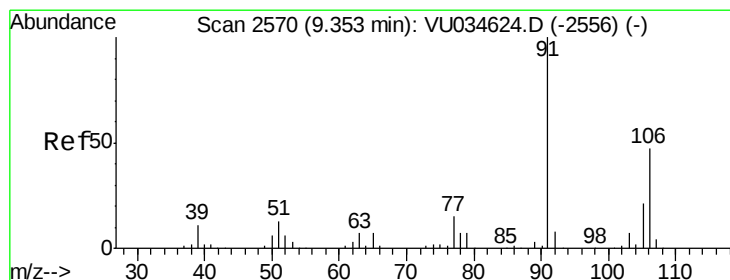
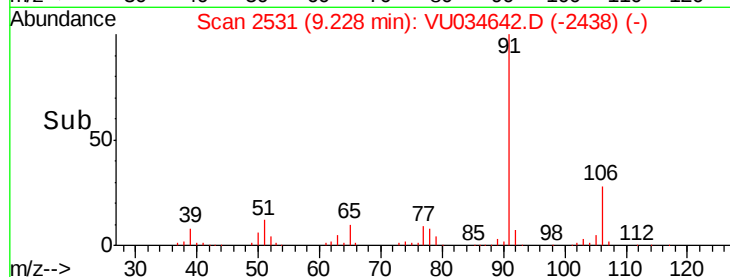
40000

20000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 4.904 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034642.D

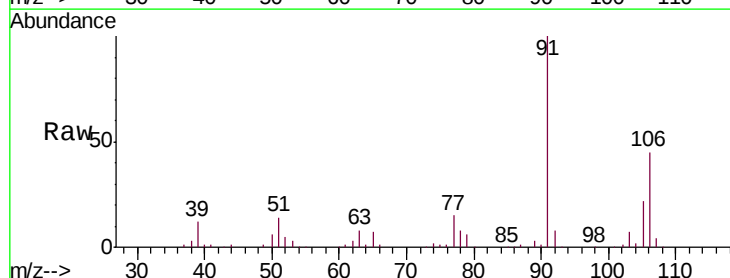
Acq: 18 Sep 2019 02:57

Tgt Ion: 106 Resp: 52502

Ion Ratio Lower Upper

106 100

91 221.1 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VU034642.D (-2556) (-)

Ion 91.15 (90.85 to 91.85): VU034642.D (-2556) (-)

9.35

60000

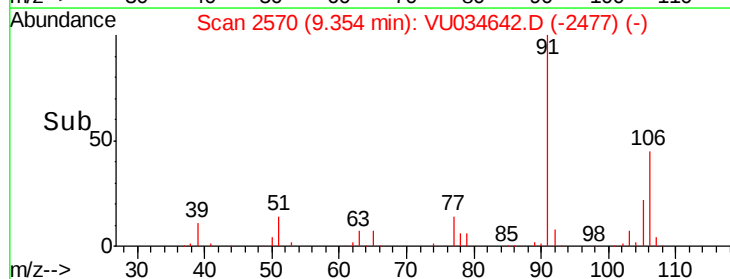
40000

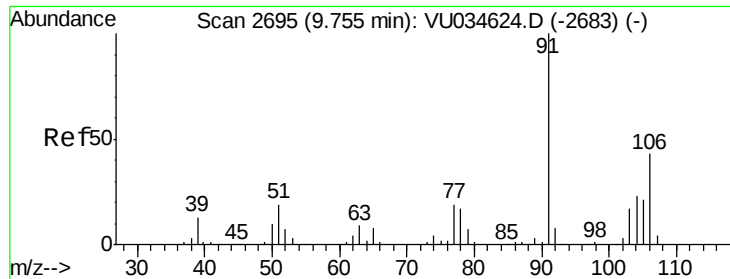
20000

0

9.30 9.35 9.40 9.45

Time-->

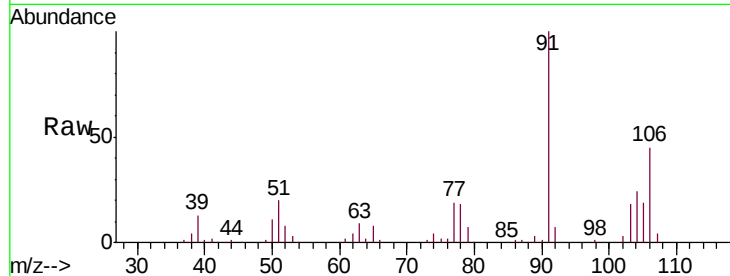




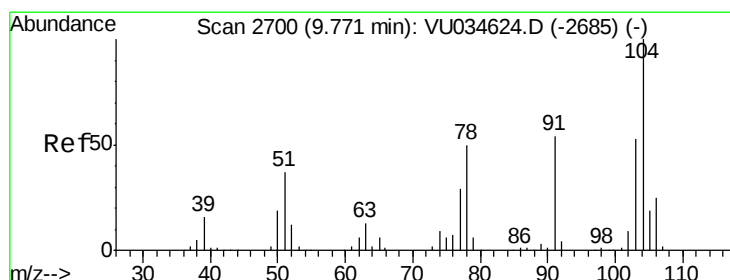
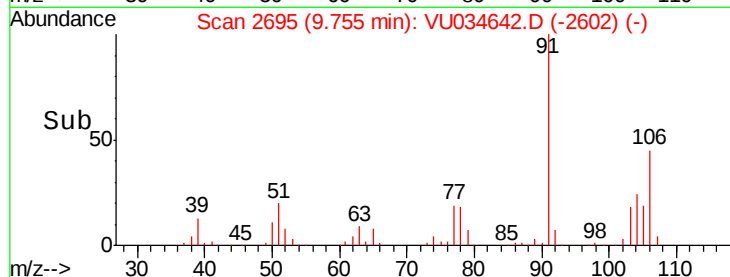
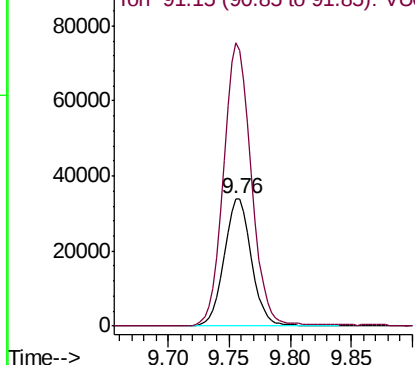
#54
o-Xylene
Concen: 4.995 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:106 Resp: 53728
Ion Ratio Lower Upper
106 100
91 221.8 151.9 282.1

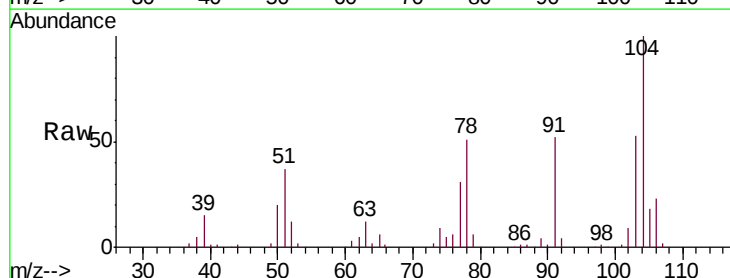


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

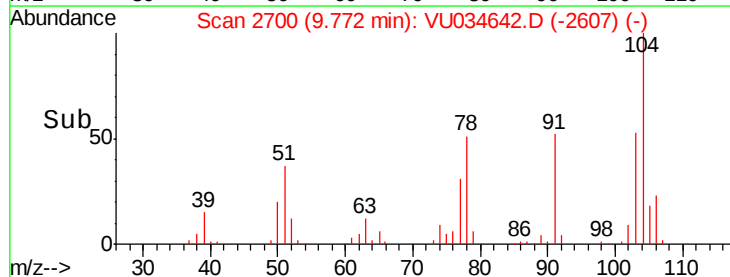
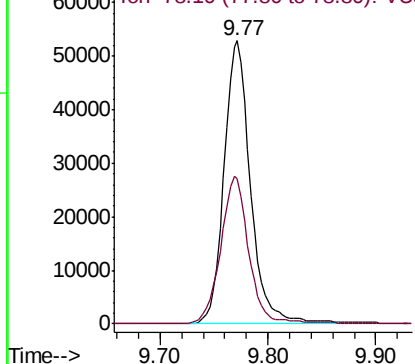


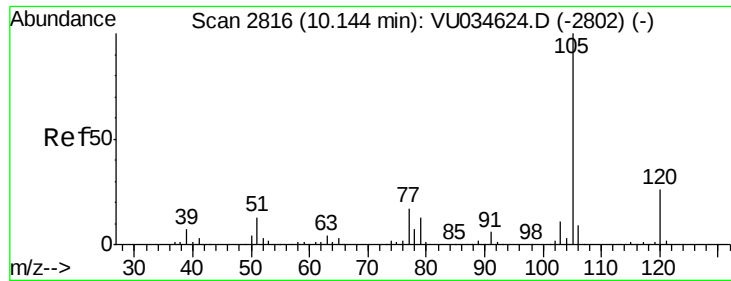
#55
Styrene
Concen: 5.049 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034642.D
Acq: 18 Sep 2019 02:57

Tgt Ion:104 Resp: 90203
Ion Ratio Lower Upper
104 100
78 51.3 35.4 65.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.979 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

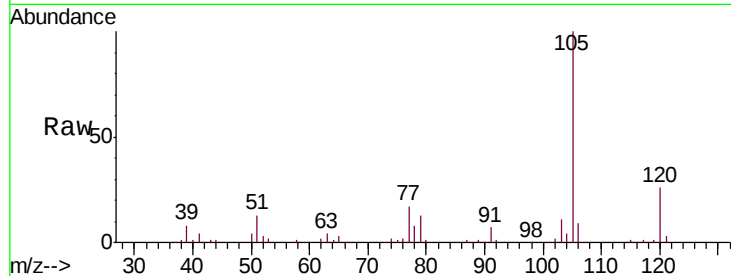
Tgt Ion: 105 Resp: 148772

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.6

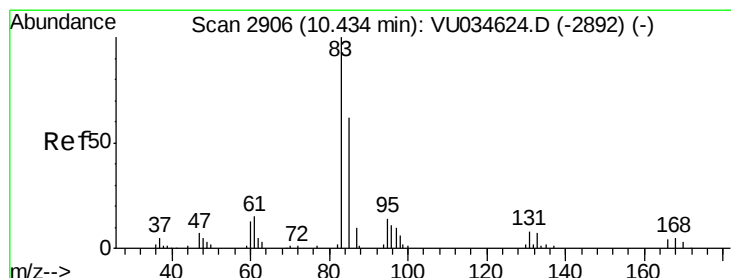
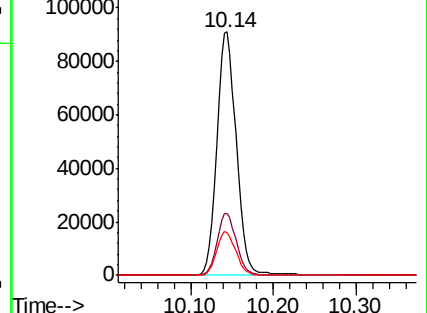
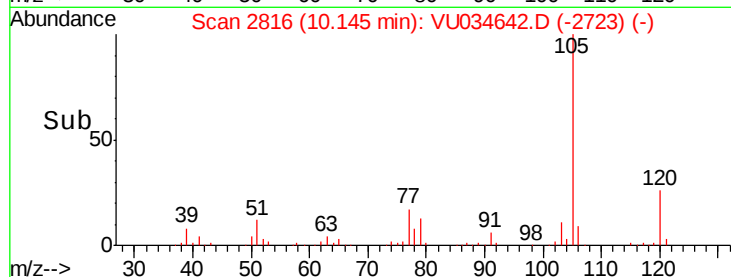
77 17.8 13.9 20.9



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: 4.988 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

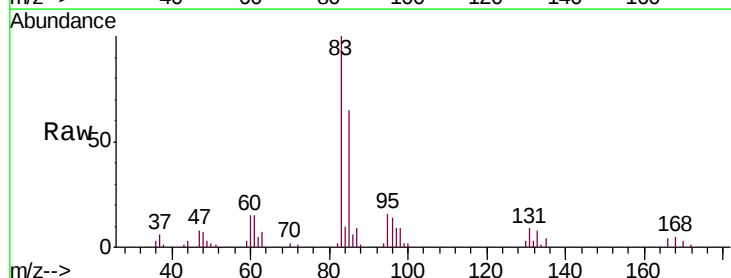
Tgt Ion: 83 Resp: 34942

Ion Ratio Lower Upper

83 100

85 65.2 44.4 82.4

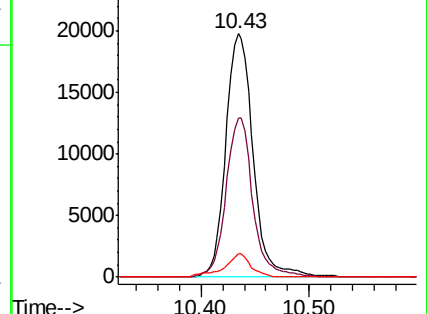
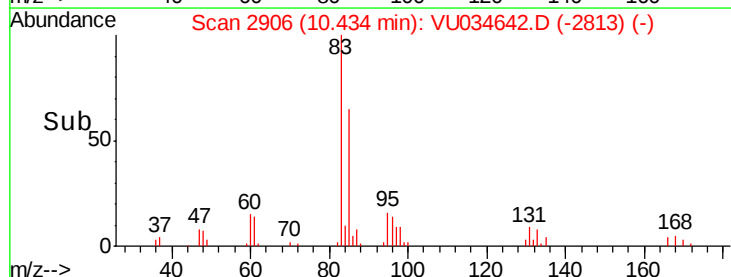
131 9.5 6.7 10.1

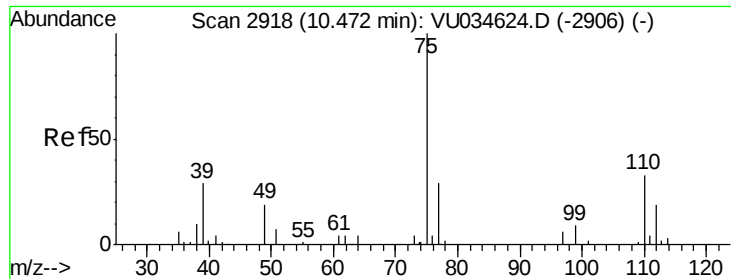


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

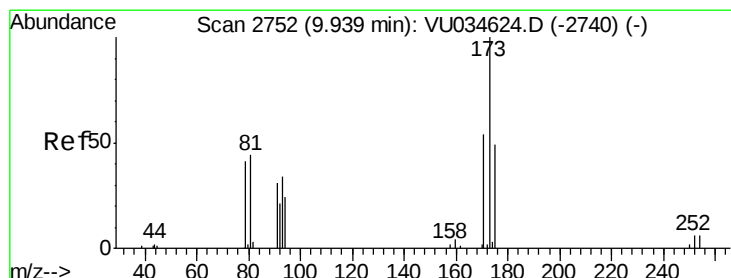
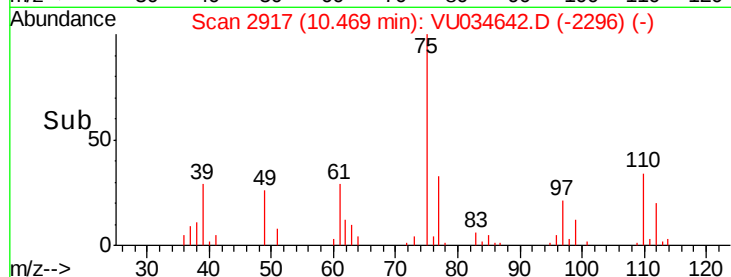
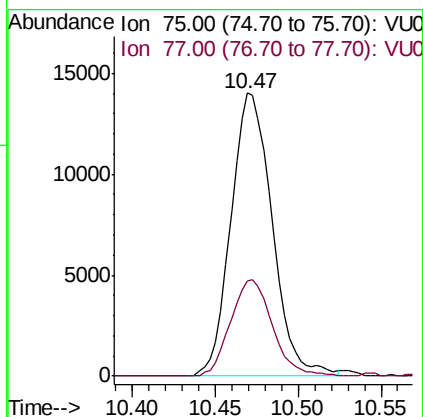
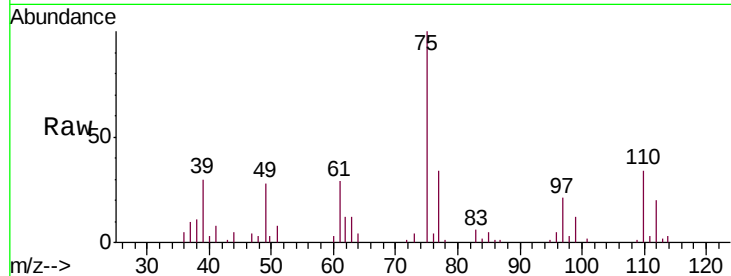




#59
 1,2,3-Trichloropropane
 Concen: 4.983 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

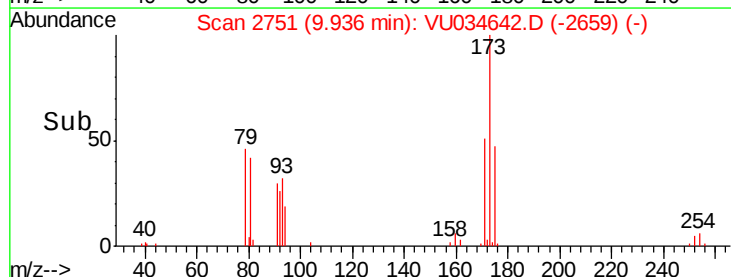
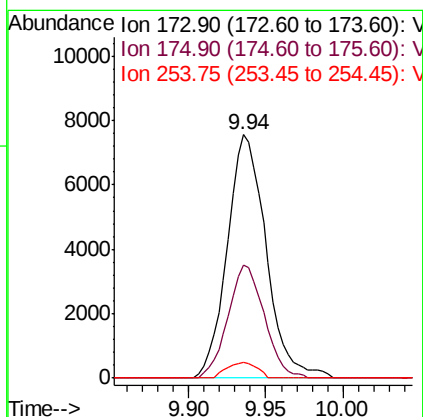
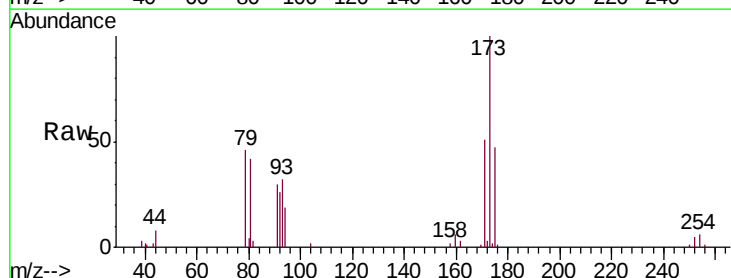
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

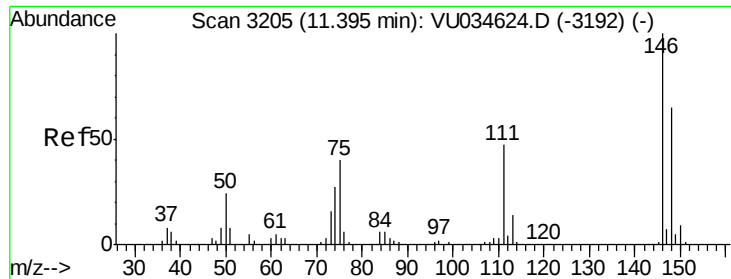
Tgt Ion: 75 Resp: 24287
 Ion Ratio Lower Upper
 75 100
 77 34.5 26.0 39.0



#61
 Bromoform
 Concen: 4.998 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion: 173 Resp: 13163
 Ion Ratio Lower Upper
 173 100
 175 43.4 40.0 60.0
 254 4.9 3.5 5.3

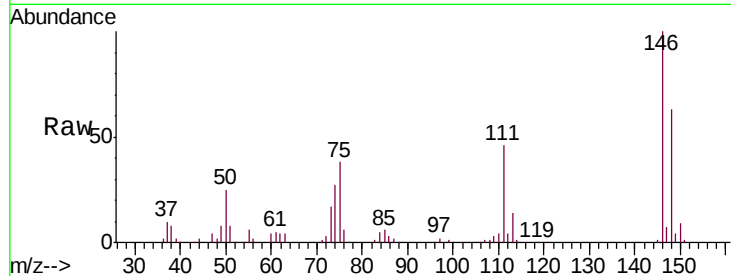




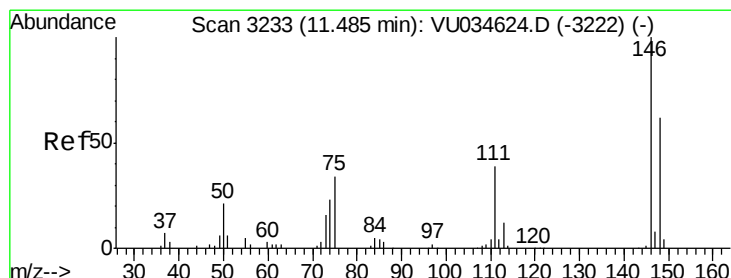
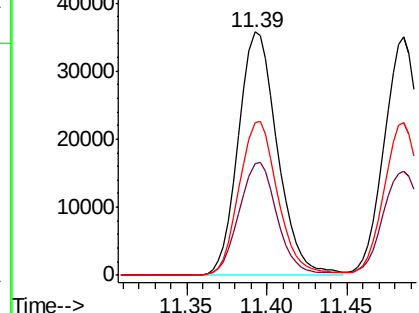
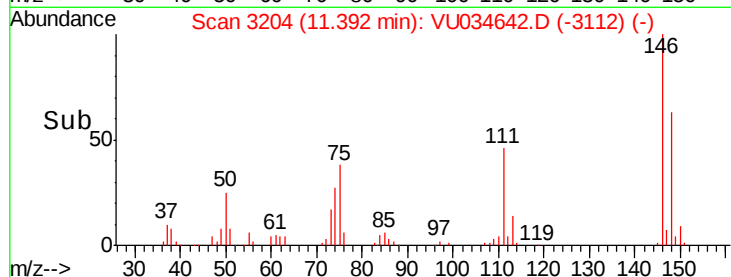
#62
 1,3-Dichlorobenzene
 Concen: 5.096 ug/L
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:146 Resp: 59651
 Ion Ratio Lower Upper
 146 100
 111 45.7 32.8 61.0
 148 62.7 45.9 85.3

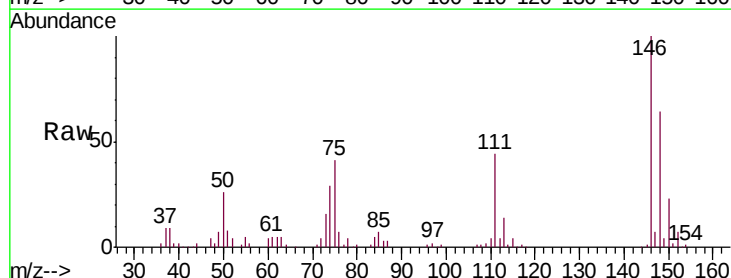


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

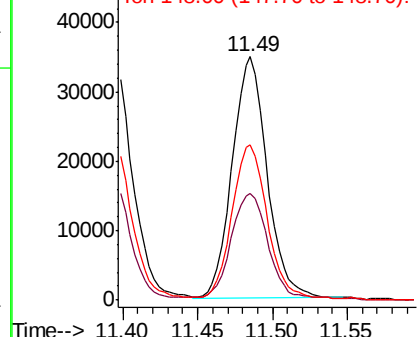
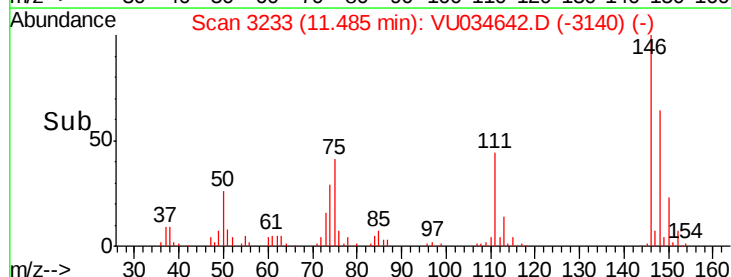


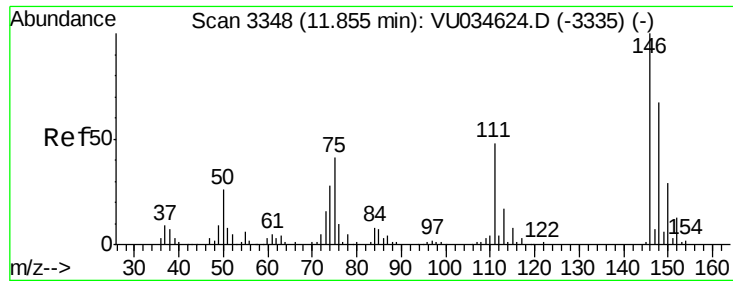
#63
 1,4-Dichlorobenzene
 Concen: 4.854 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion:146 Resp: 56723
 Ion Ratio Lower Upper
 146 100
 111 43.7 30.2 56.2
 148 63.9 45.4 84.4



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

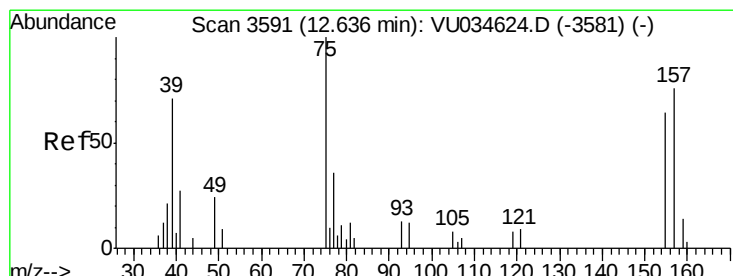
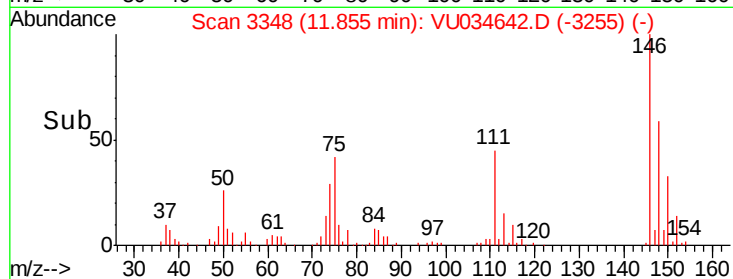
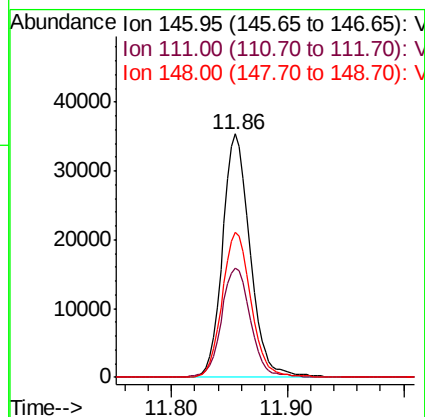
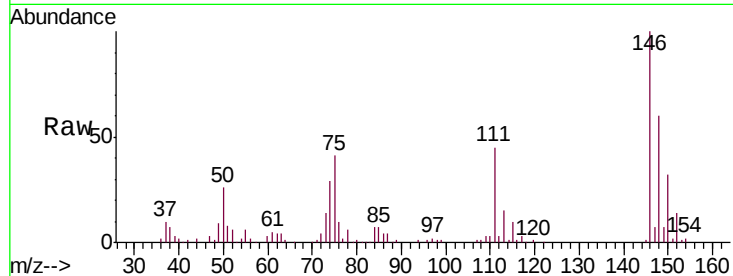




#65
 1,2-Dichlorobenzene
 Concen: 5.076 ug/L
 RT: 11.86 min Scan# 3348
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

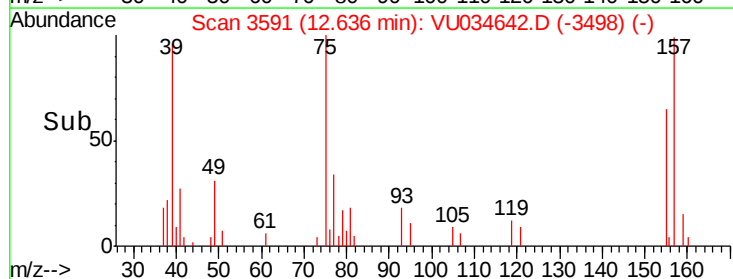
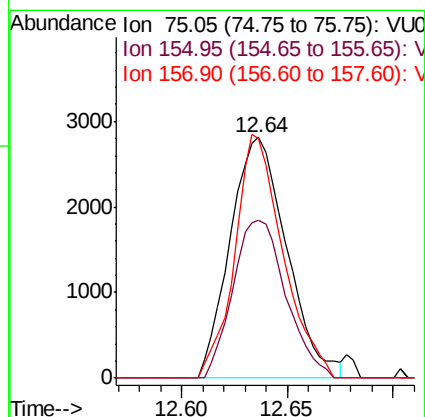
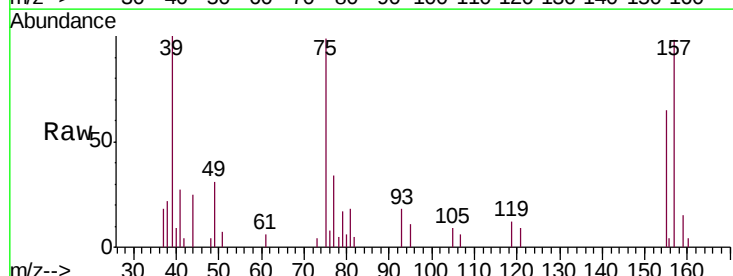
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

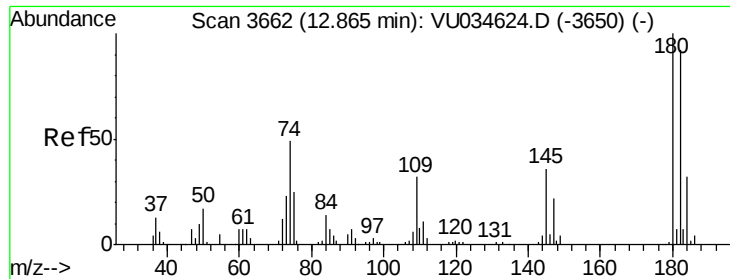
Tgt Ion: 146 Resp: 58158
 Ion Ratio Lower Upper
 146 100
 111 44.9 37.1 55.7
 148 59.8 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.045 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion: 75 Resp: 5234
 Ion Ratio Lower Upper
 75 100
 155 65.4 49.1 73.7
 157 99.5 70.8 106.2

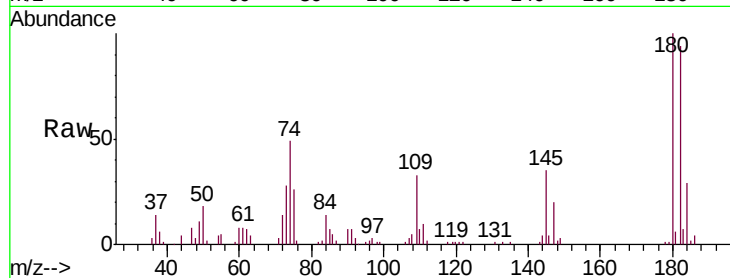




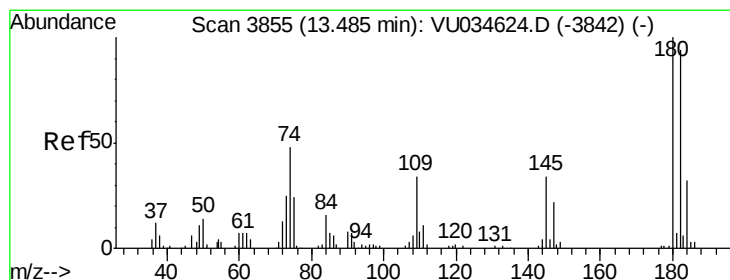
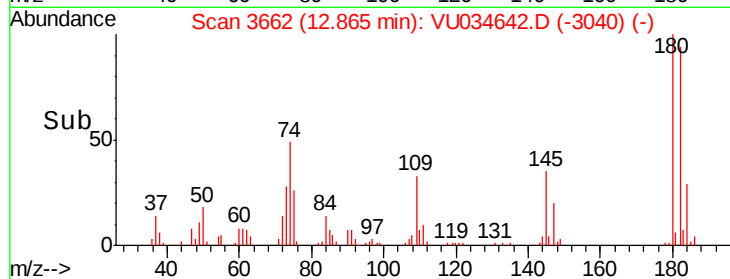
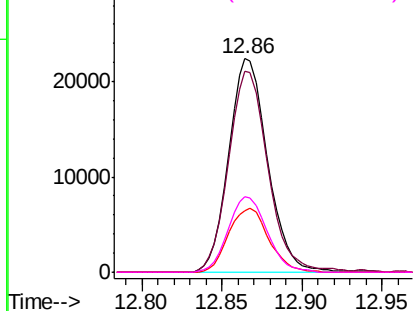
#67
 1,3,5-Trichlorobenzene
 Concen: 4.833 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:180 Resp: 36976
 Ion Ratio Lower Upper
 180 100
 182 95.9 74.5 111.7
 184 31.1 23.4 35.2
 145 35.4 27.0 40.4

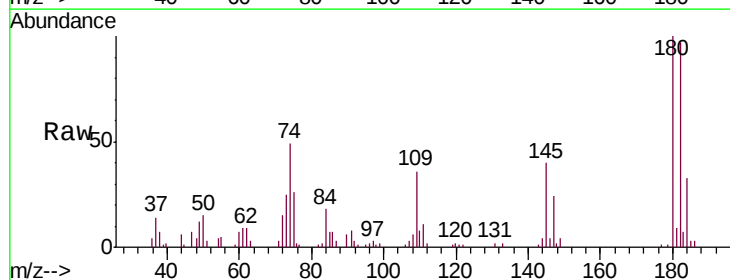


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

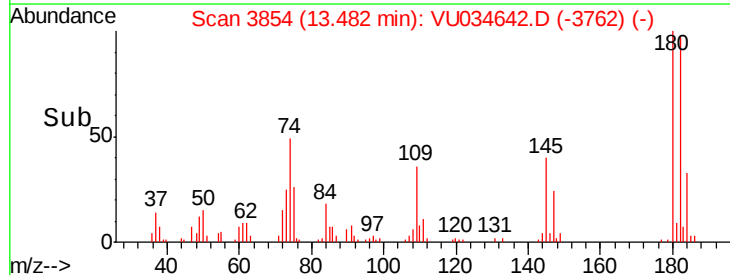
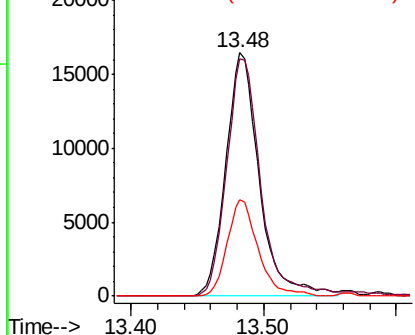


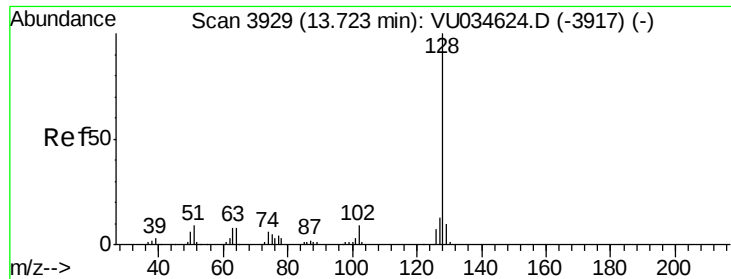
#68
 1,2,4-trichlorobenzene
 Concen: 4.737 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034642.D
 Acq: 18 Sep 2019 02:57

Tgt Ion:180 Resp: 28900
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.9 115.3
 145 36.4 26.2 39.4



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: 4.174 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

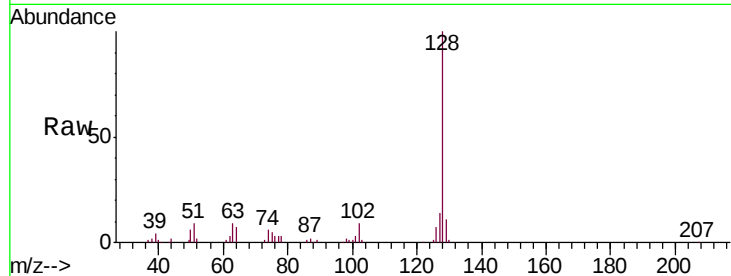
Tgt Ion:128 Resp: 62009

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

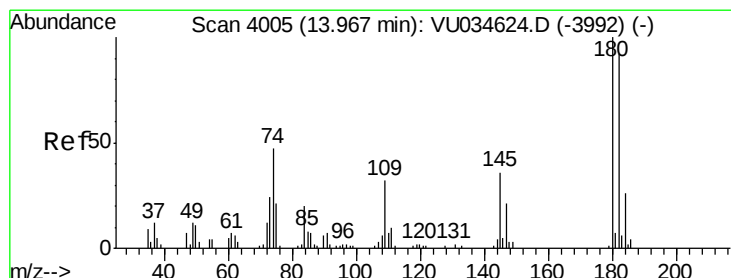
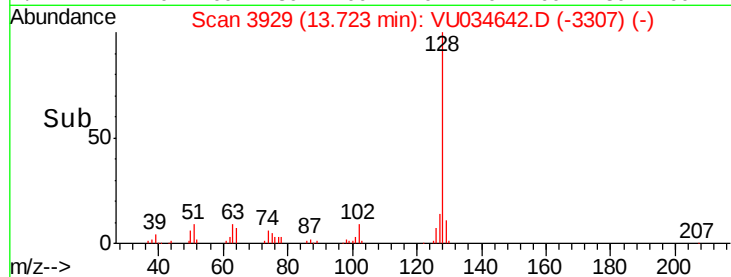
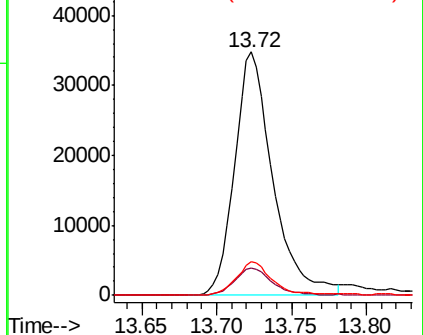
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.853 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034642.D

Acq: 18 Sep 2019 02:57

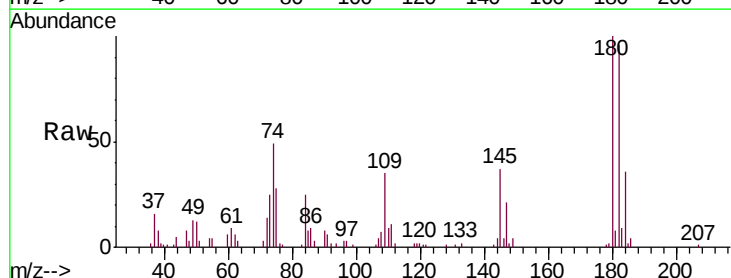
Tgt Ion:180 Resp: 27732

Ion Ratio Lower Upper

180 100

182 95.5 76.6 114.8

145 37.5 28.9 43.3



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

