

Data File : VU032927.D
Acq On : 21 Jun 2019 02:53
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Quant Time: Jun 21 07:42:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 21 07:36:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	86596	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	86814	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47115	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	20897	3.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.20%
7) Chloroethane-d5	1.68	69	19450	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.27	63	52034	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.18	46	89593	57.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.04%
24) Chloroform-d	4.64	84	51763	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.30	65	29360	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.33	84	92907	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	6.32	67	31335	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.56	98	85902	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.85	79	12269	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.31	63	66610	46.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.52%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	29685	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	37509	4.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	41666	5.608	ug/L 98
3) Chloromethane	1.33	50	37969	4.927	ug/L 100
5) Vinyl chloride	1.40	62	38963	5.144	ug/L 99
6) Bromomethane	1.62	94	23998	5.194	ug/L 99
8) Chloroethane	1.69	64	23443	4.844	ug/L 100
9) Trichlorofluoromethane	1.88	101	57143	5.271	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	29831	5.176	ug/L 97
12) 1,1-Dichloroethene	2.28	96	27238	4.951	ug/L 96
13) Acetone	2.32	43	65882	54.022	ug/L 93
14) Carbon disulfide	2.47	76	83705	4.751	ug/L 100
15) Methyl Acetate	2.61	43	17121	5.117	ug/L 97
16) Methylene chloride	2.69	84	30837	5.054	ug/L 90
17) Methyl tert-butyl Ether	3.00	73	82172	5.107	ug/L 98
18) trans-1,2-Dichloroethene	2.97	96	29575	4.982	ug/L 91
19) 1,1-Dichloroethane	3.43	63	60326	5.677	ug/L 97
21) 2-Butanone	4.27	43	99996	56.376	ug/L 97
22) cis-1,2-Dichloroethene	4.22	96	33820	5.034	ug/L 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	15573	5.386	ug/L	93
25) Chloroform	4.67	83	62512	5.759	ug/L	95
27) 1,2-Dichloroethane	5.40	62	42780	5.997	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	53303	5.039	ug/L	96
30) Cyclohexane	4.98	56	47641	4.261	ug/L	98
31) Carbon tetrachloride	5.12	117	48139	5.005	ug/L	98
33) Benzene	5.38	78	126607	4.946	ug/L	100
34) Trichloroethene	6.18	95	33961	4.613	ug/L	97
35) Methylcyclohexane	6.41	83	50113	4.232	ug/L	95
37) 1,2-Dichloropropane	6.42	63	35087	5.298	ug/L	99
38) Bromodichloromethane	6.75	83	43817	5.148	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	47032	4.626	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	247141	52.440	ug/L	95
42) Toluene	7.63	91	135679	4.756	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	38709	4.769	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	24273	5.038	ug/L	97
47) Tetrachloroethene	8.22	164	27863	4.809	ug/L	96
48) 2-Hexanone	8.36	43	181796	53.980	ug/L	94
49) Dibromochloromethane	8.47	129	30272	4.912	ug/L	100
50) 1,2-Dibromoethane	8.58	107	23872	4.972	ug/L	99
51) Chlorobenzene	9.11	112	89274	4.991	ug/L	97
52) Ethylbenzene	9.24	91	149926	4.769	ug/L	99
53) m,p-Xylene	9.37	106	55063	4.620	ug/L	93
54) o-Xylene	9.77	106	53828	4.525	ug/L	91
55) Styrene	9.79	104	93941	4.800	ug/L	99
56) Isopropylbenzene	10.16	105	146883	4.681	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	32140	5.216	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	23815	5.476	ug/L	99
61) Bromoform	9.95	173	17298	4.570	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	72682	4.726	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	75699	4.841	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	71327	4.799	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	5394	5.169	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	61411	4.982	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	48823	4.912	ug/L	98
69) Naphthalene	13.74	128	79153	4.543	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	46059	4.653	ug/L	99

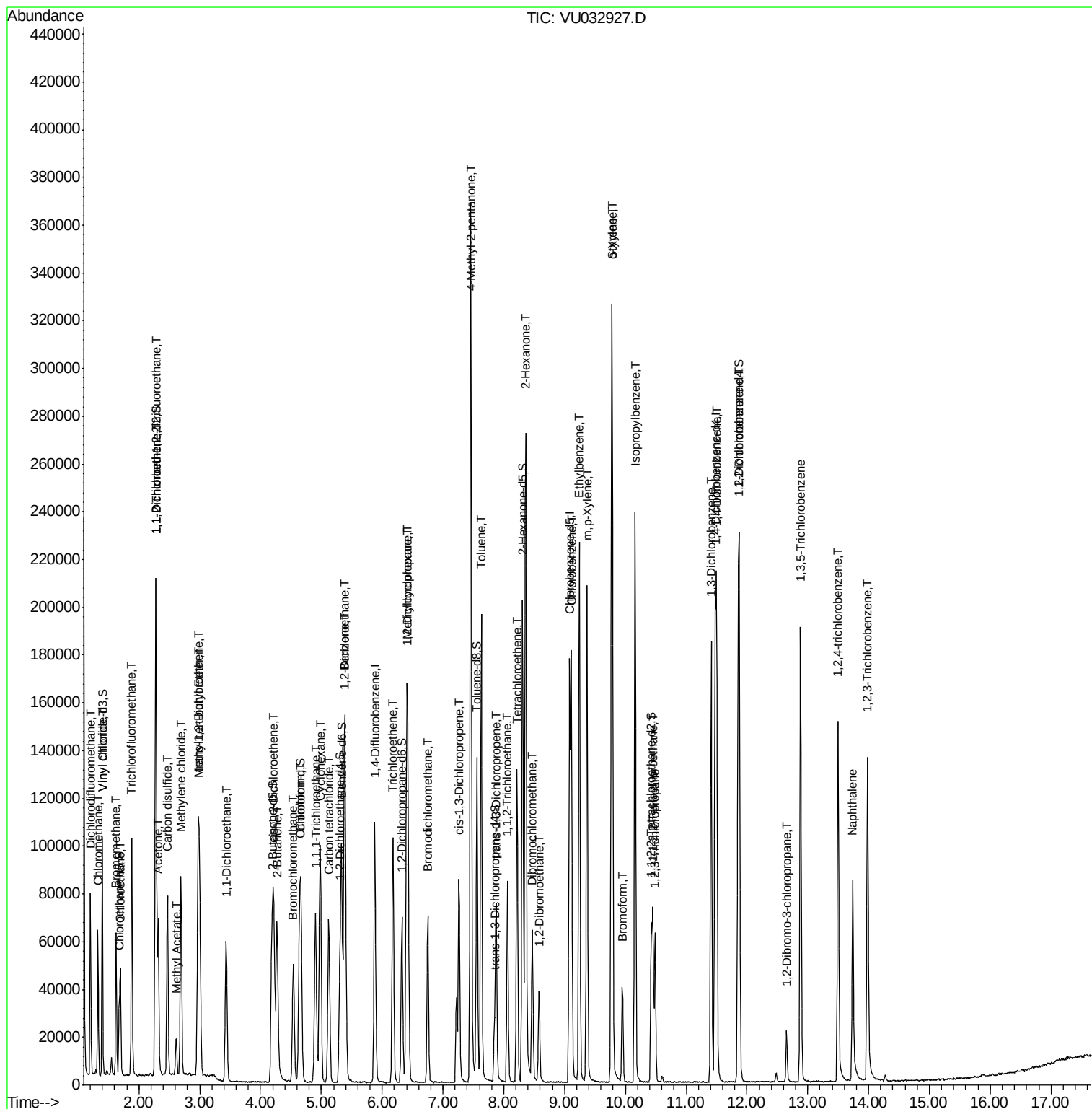
(#) = qualifier out of range (m) = manual integration (+) = signals summed

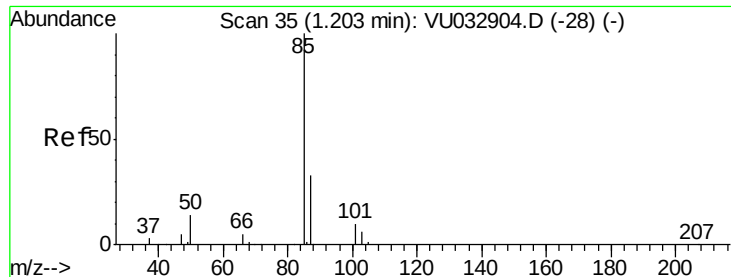
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#2

Dichlorodifluoromethane

Concen: 5.608 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

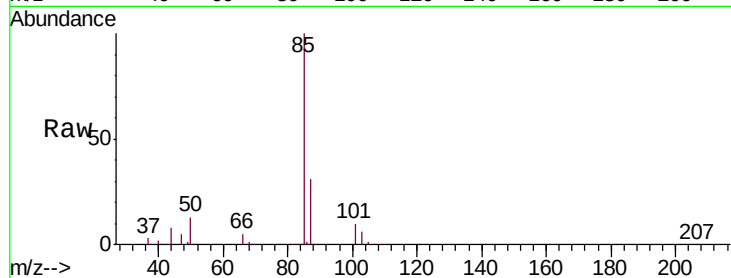
VSTD00503

Tgt Ion: 85 Resp: 41666

Ion Ratio Lower Upper

85 100

87 31.4 25.8 38.8

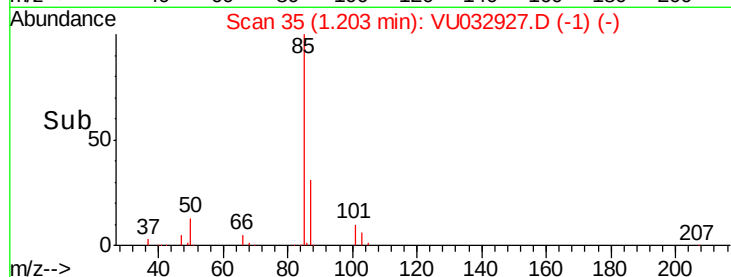


Abundance Ion 85.00 (84.70 to 85.70): VU032904.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032904.D (-28) (-)

1.20

Time-->

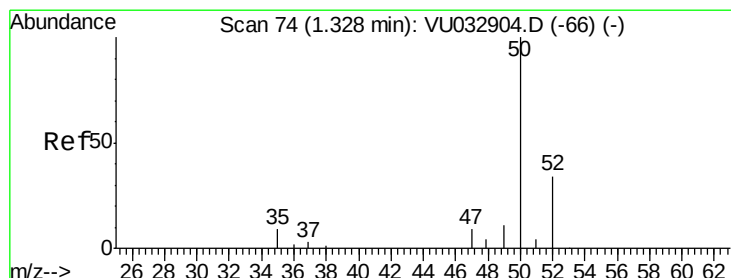


Abundance Ion 85.00 (84.70 to 85.70): VU032927.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032927.D (-1) (-)

1.20

Time-->



#3

Chloromethane

Concen: 4.927 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU032927.D

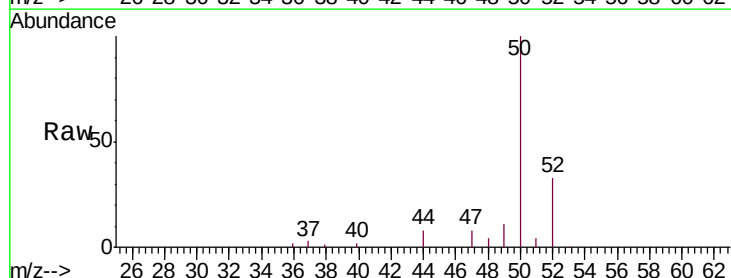
Acq: 21 Jun 2019 02:53

Tgt Ion: 50 Resp: 37969

Ion Ratio Lower Upper

50 100

52 32.9 23.2 43.2

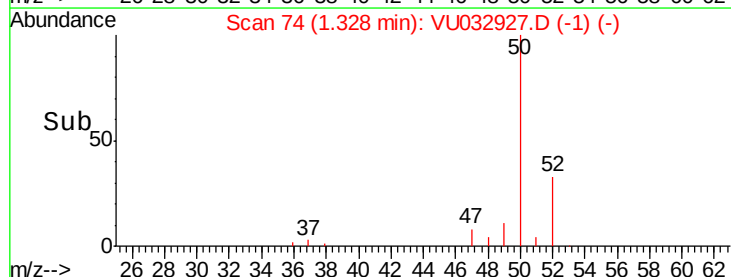


Abundance Ion 50.05 (49.75 to 50.75): VU032904.D (-66) (-)

Ion 52.05 (51.75 to 52.75): VU032904.D (-66) (-)

1.33

Time-->

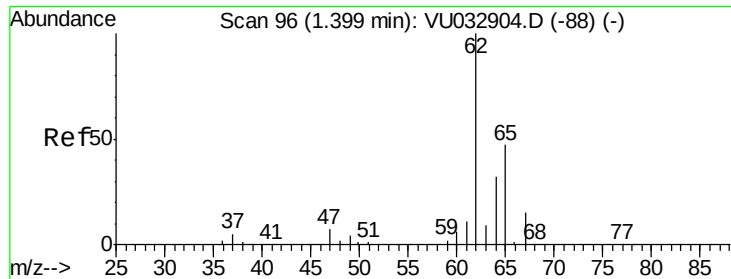


Abundance Ion 50.05 (49.75 to 50.75): VU032927.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU032927.D (-1) (-)

1.33

Time-->



#5

Vinyl chloride

Concen: 5.144 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

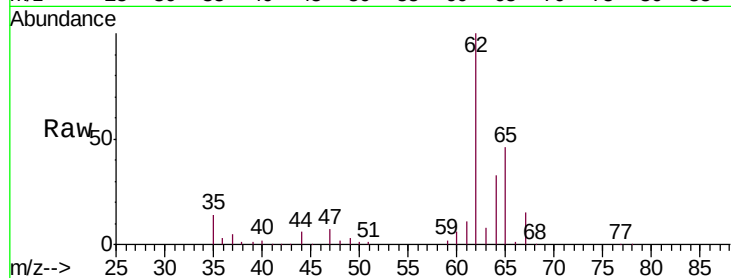
VSTD00503

Tgt Ion: 62 Resp: 38963

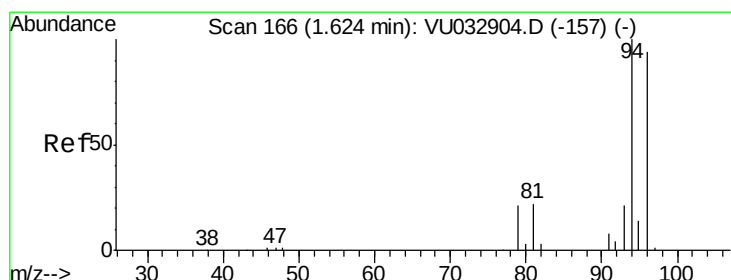
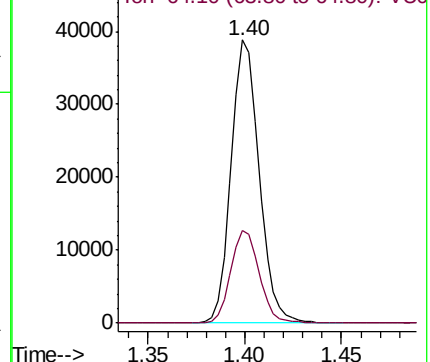
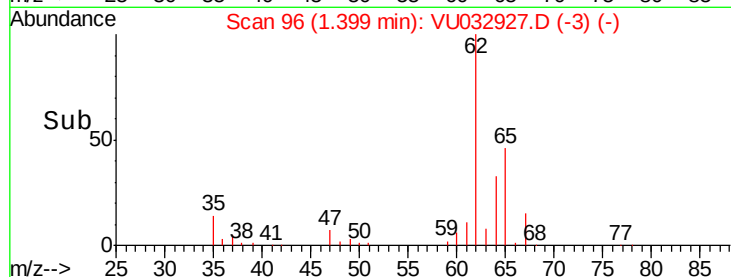
Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU032927.D (-3) (-)



#6

Bromomethane

Concen: 5.194 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU032927.D

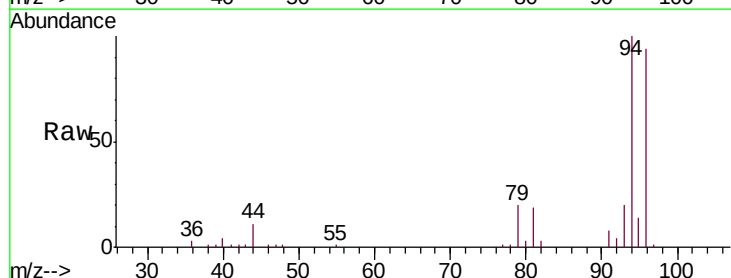
Acq: 21 Jun 2019 02:53

Tgt Ion: 94 Resp: 23998

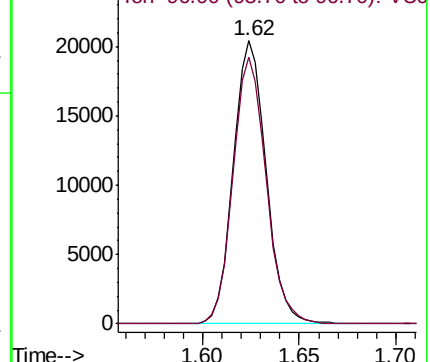
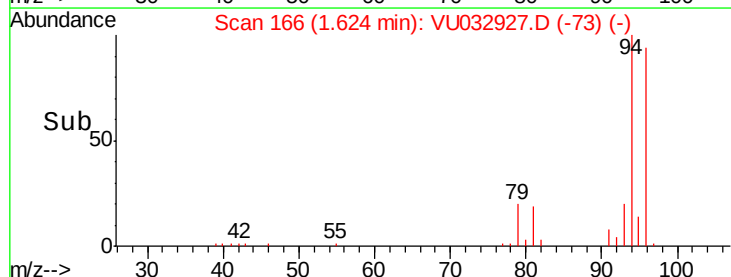
Ion Ratio Lower Upper

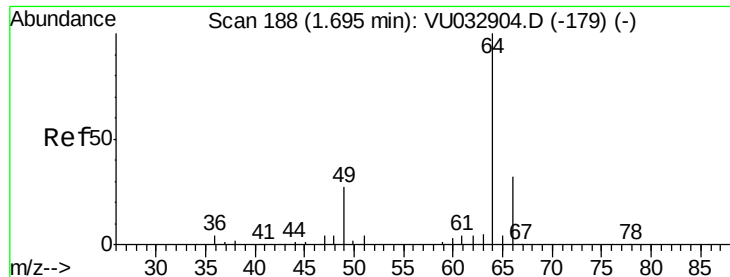
94 100

96 94.2 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VU032927.D (-73) (-)

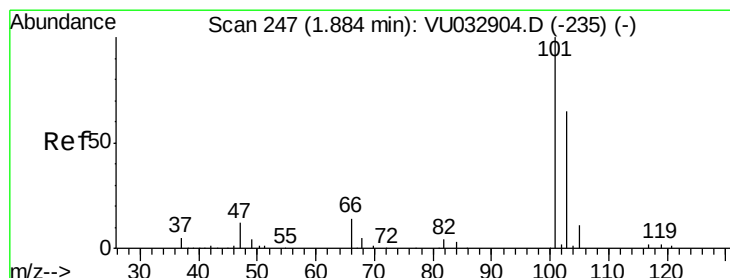
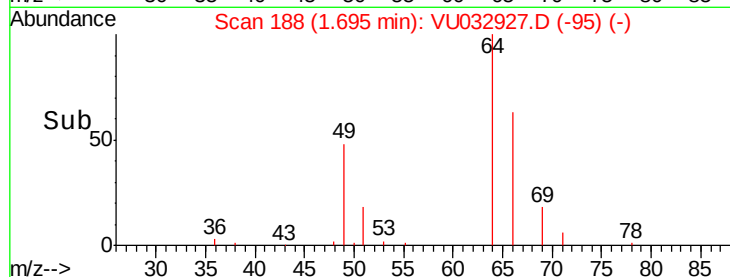
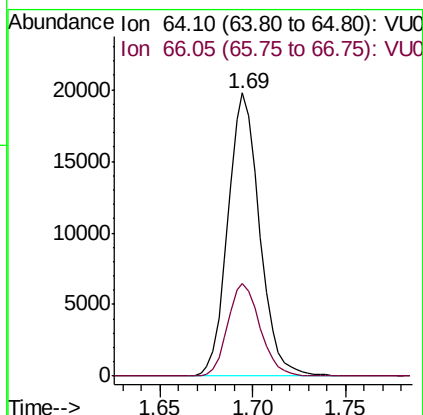
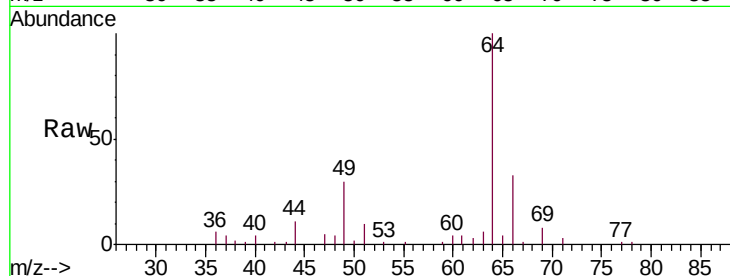




#8
Chloroethane
Concen: 4.844 ug/L
RT: 1.69 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU032927.D
Acq: 21 Jun 2019 02:53

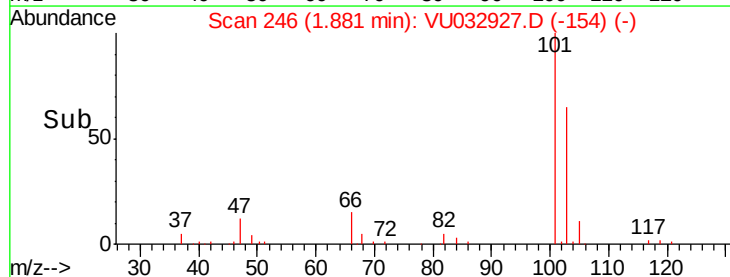
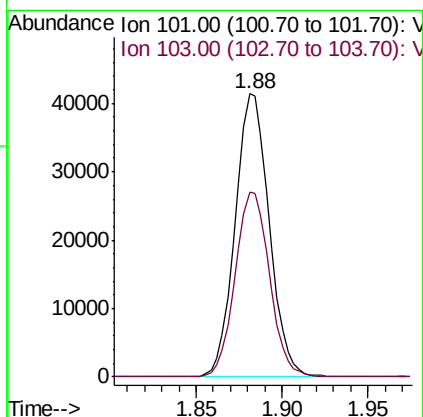
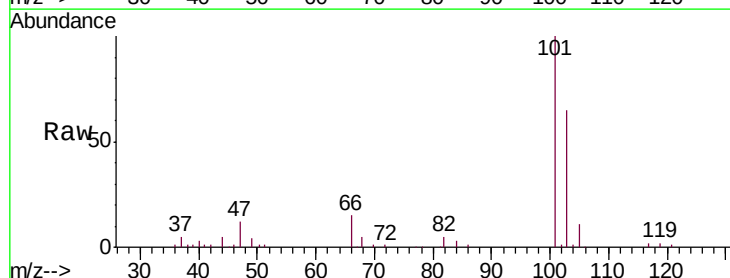
Instrument :
MSVOA_U
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VSTD00503

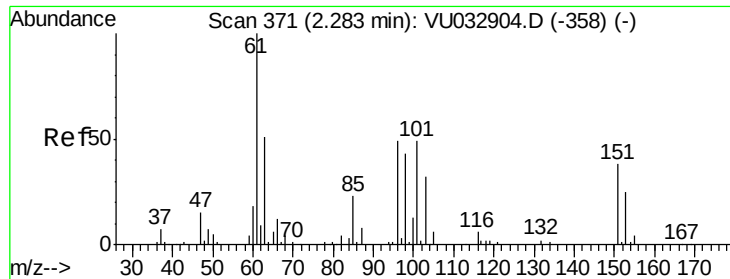
Tgt Ion: 64 Resp: 23443
Ion Ratio Lower Upper
64 100
66 32.8 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.271 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU032927.D
Acq: 21 Jun 2019 02:53

Tgt Ion: 101 Resp: 57143
Ion Ratio Lower Upper
101 100
103 65.8 52.2 78.2





#10

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

Concen: 5.176 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampled :

VSTD00503

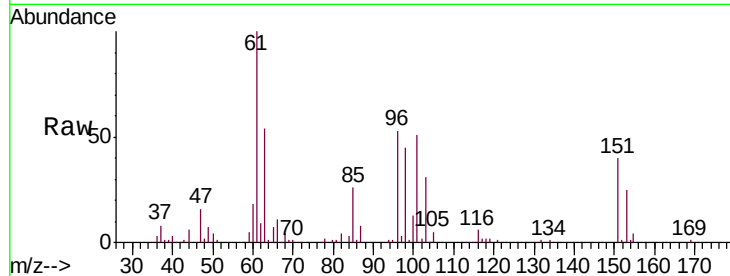
Tgt Ion:101 Resp: 29831

Ion Ratio Lower Upper

101 100

85 50.6 38.9 58.3

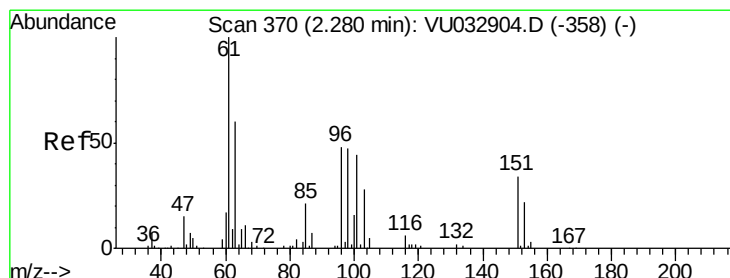
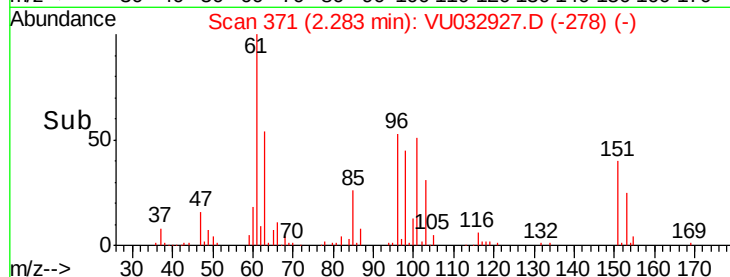
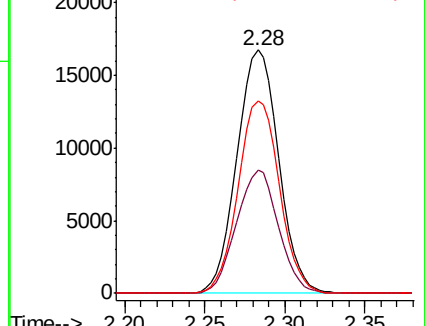
151 78.2 61.0 91.4



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: 4.951 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

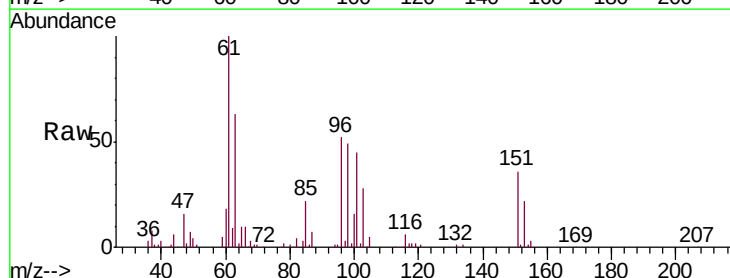
Tgt Ion: 96 Resp: 27238

Ion Ratio Lower Upper

96 100

61 192.3 131.8 244.8

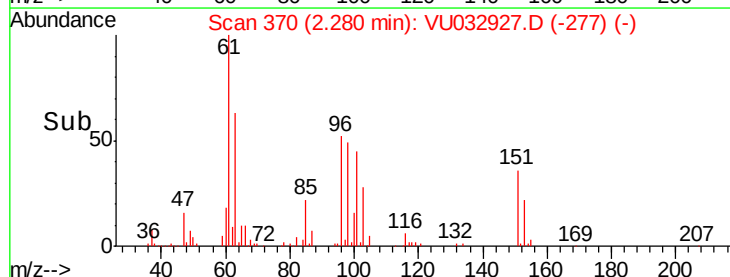
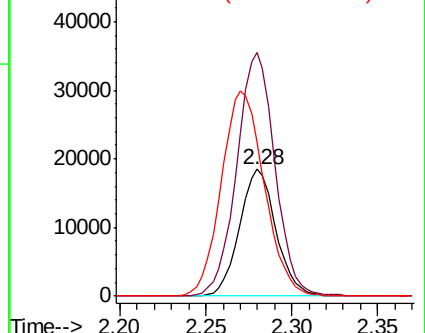
63 121.6 90.1 167.3

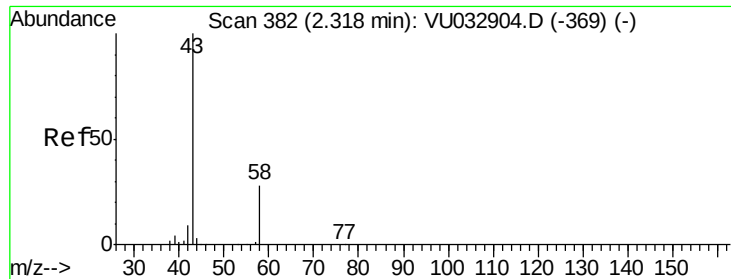


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.022 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

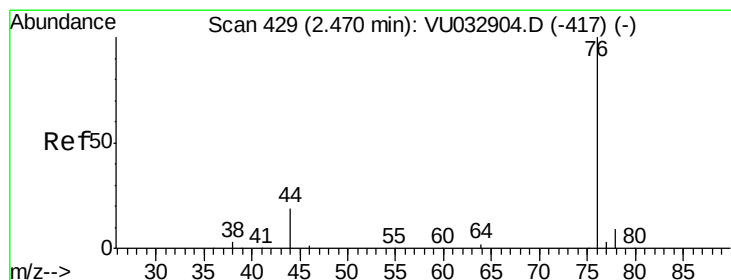
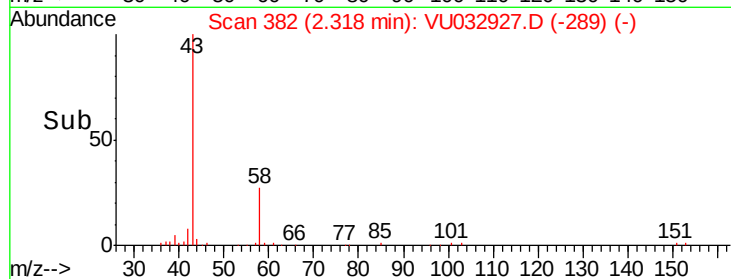
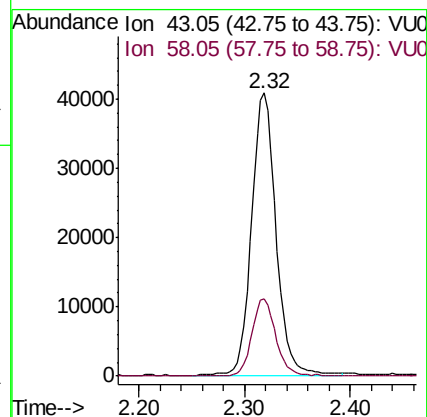
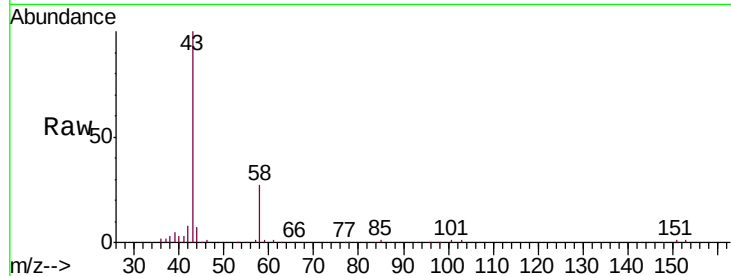
VSTD00503

Tgt Ion: 43 Resp: 65882

Ion Ratio Lower Upper

43 100

58 26.9 0.0 60.8



#14

Carbon disulfide

Concen: 4.751 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032927.D

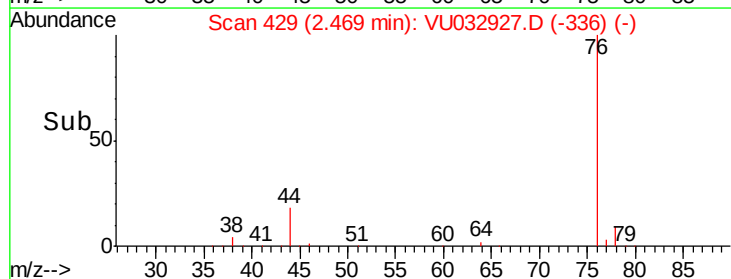
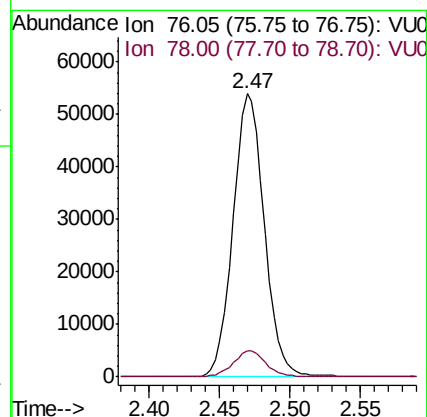
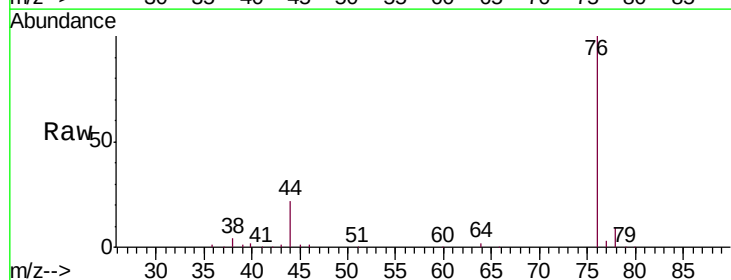
Acq: 21 Jun 2019 02:53

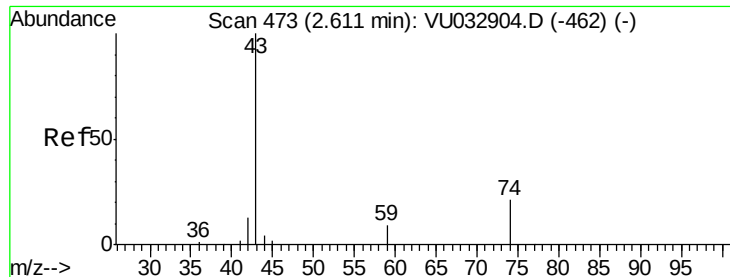
Tgt Ion: 76 Resp: 83705

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 5.117 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

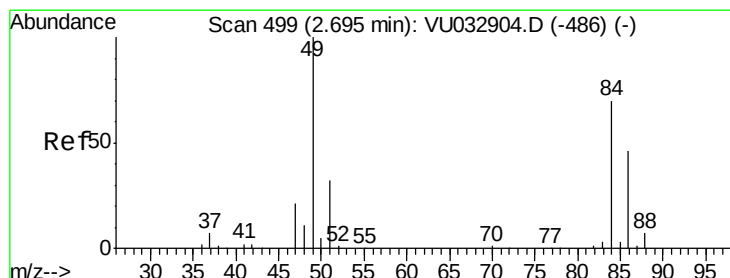
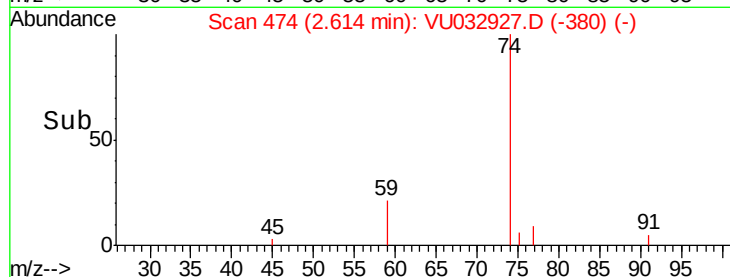
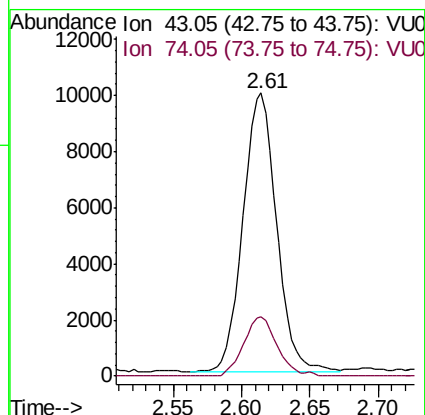
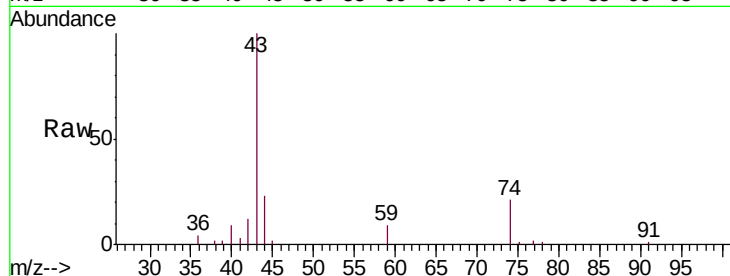
VSTD00503

Tgt Ion: 43 Resp: 17121

Ion Ratio Lower Upper

43 100

74 21.0 17.8 26.8



#16

Methylene chloride

Concen: 5.054 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

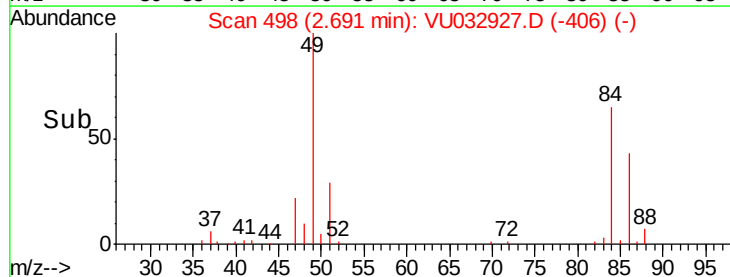
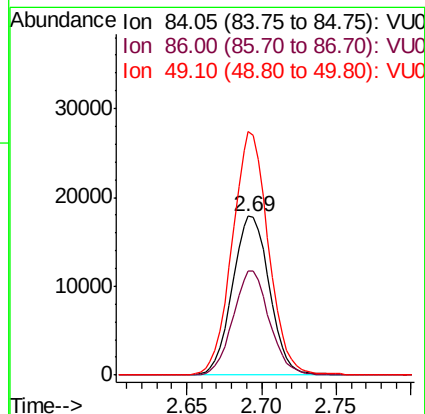
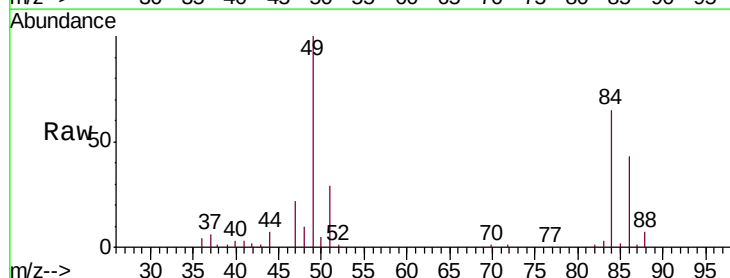
Tgt Ion: 84 Resp: 30837

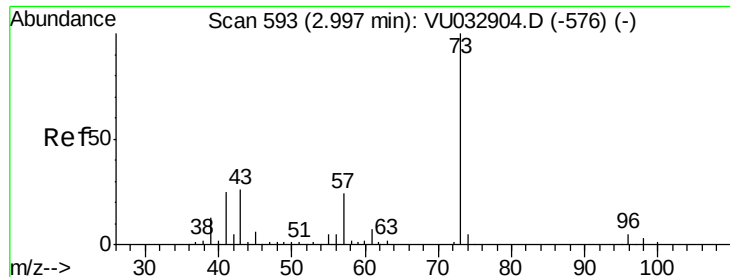
Ion Ratio Lower Upper

84 100

86 65.8 47.2 87.6

49 153.2 95.9 178.1

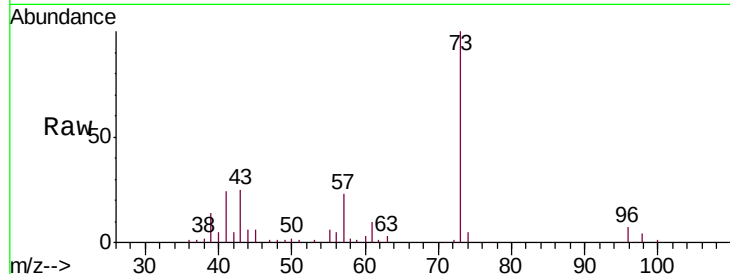




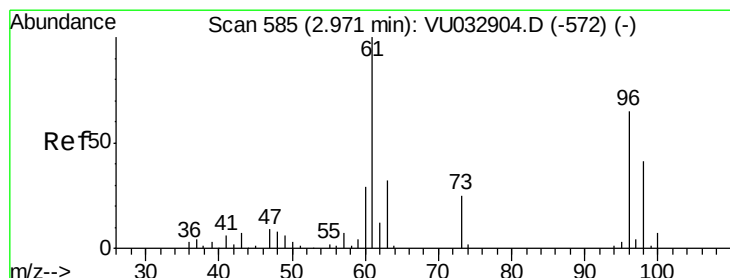
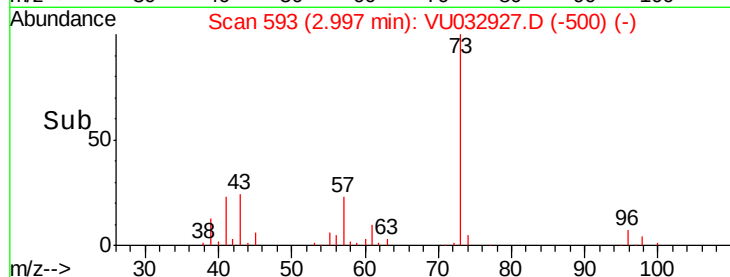
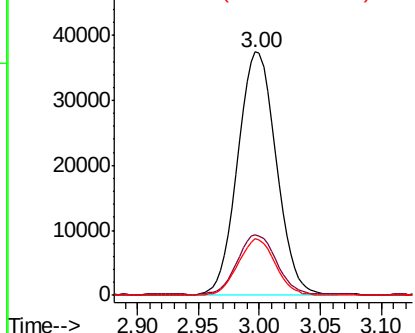
#17
Methyl tert-butyl Ether
Concen: 5.107 ug/L
RT: 3.00 min Scan# 593
Delta R.T. -0.00 min
Lab File: VU032927.D
Acq: 21 Jun 2019 02:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tgt Ion: 73 Resp: 82172
Ion Ratio Lower Upper
73 100
43 24.8 18.6 27.8
57 22.6 18.3 27.5

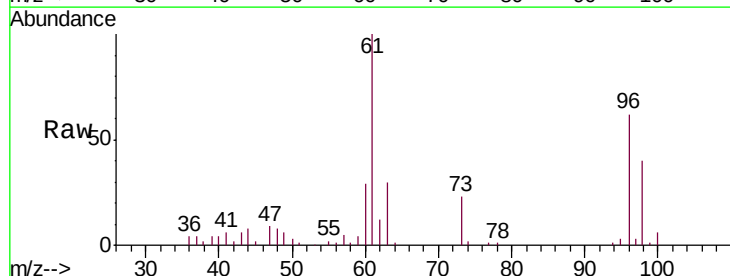


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

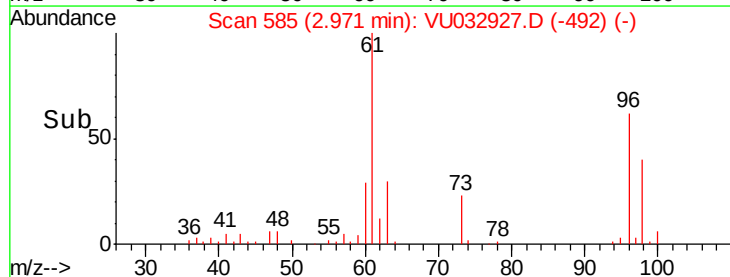
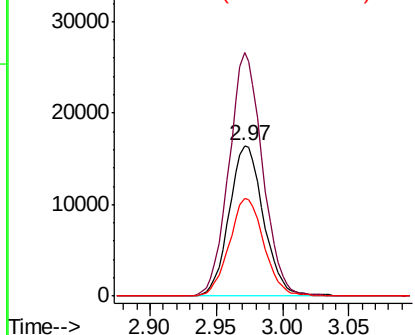


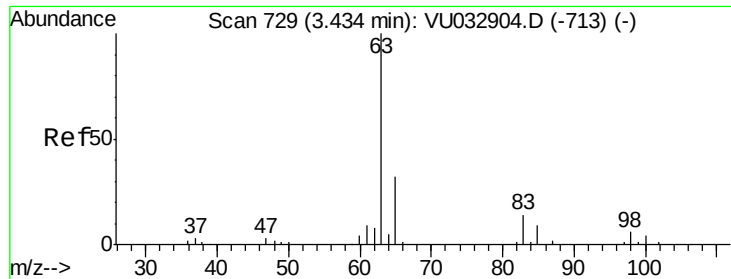
#18
trans-1,2-Dichloroethene
Concen: 4.982 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032927.D
Acq: 21 Jun 2019 02:53

Tgt Ion: 96 Resp: 29575
Ion Ratio Lower Upper
96 100
61 161.8 103.1 191.5
98 65.0 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

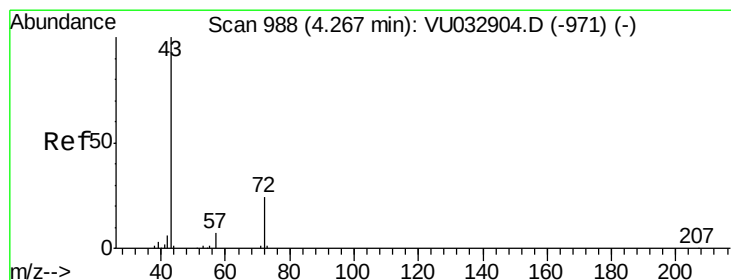
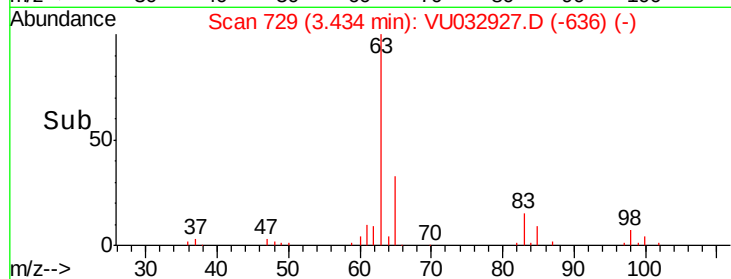
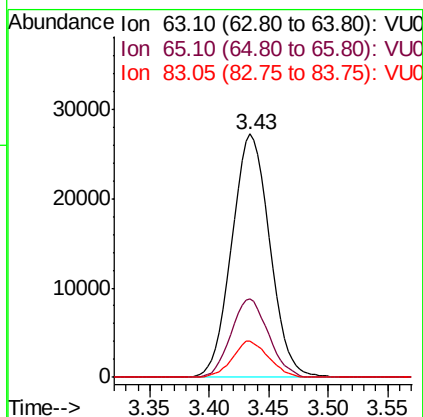
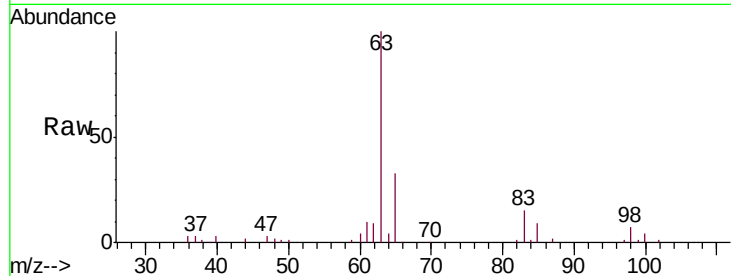




#19
 1,1-Dichloroethane
 Concen: 5.677 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

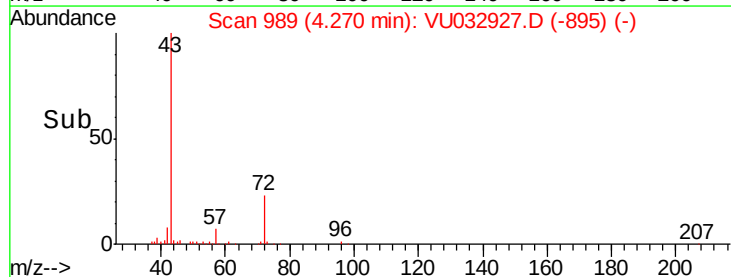
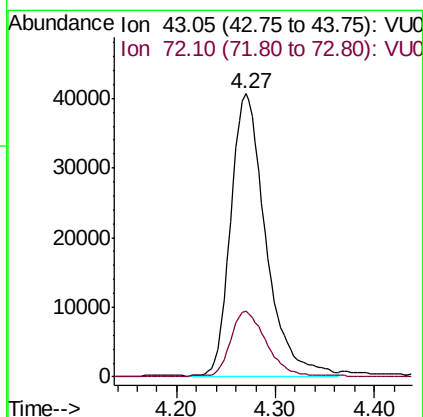
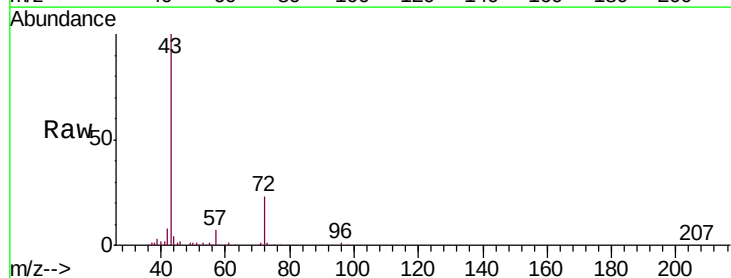
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

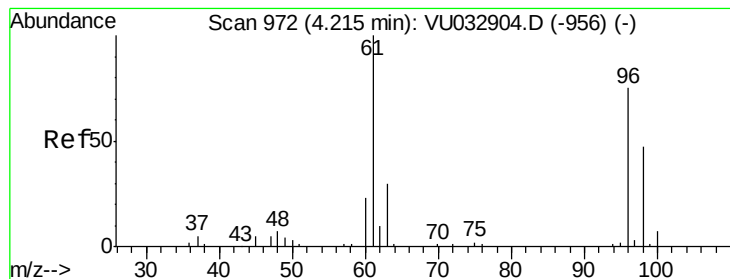
Tgt Ion: 63 Resp: 60326
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.3 39.6
 83 14.8 10.1 18.7



#21
 2-Butanone
 Concen: 56.376 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion: 43 Resp: 99996
 Ion Ratio Lower Upper
 43 100
 72 24.5 13.1 39.3



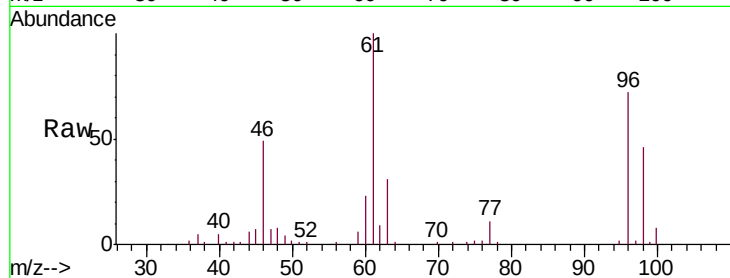


#22

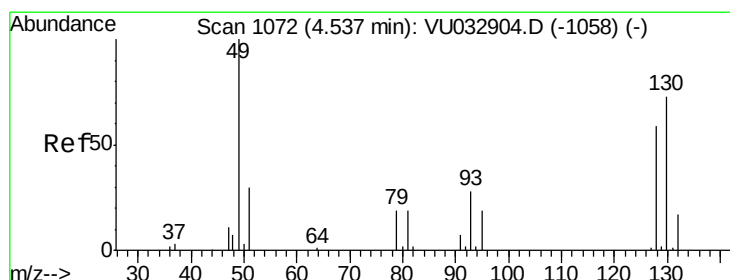
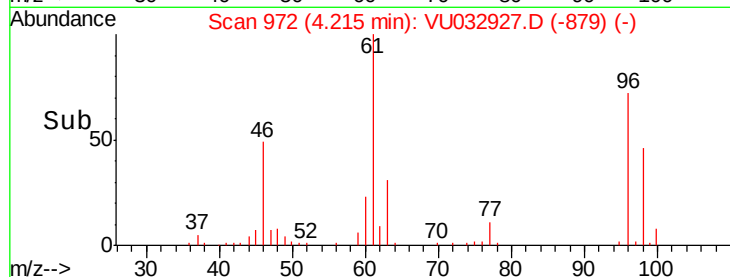
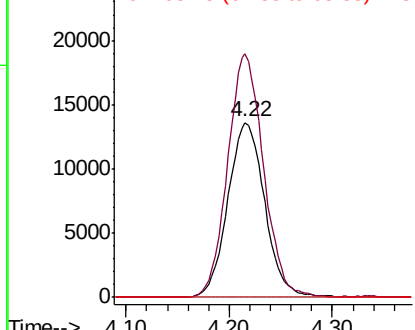
cis-1,2-Dichloroethene
 Concen: 5.034 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion: 96 Resp: 33820
 Ion Ratio Lower Upper
 96 100
 61 139.4 86.6 160.8
 68 0.0 0.0 0.0



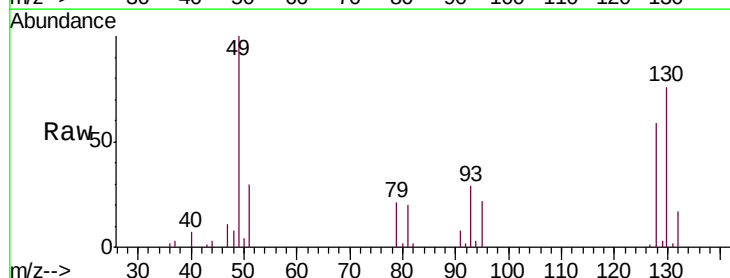
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



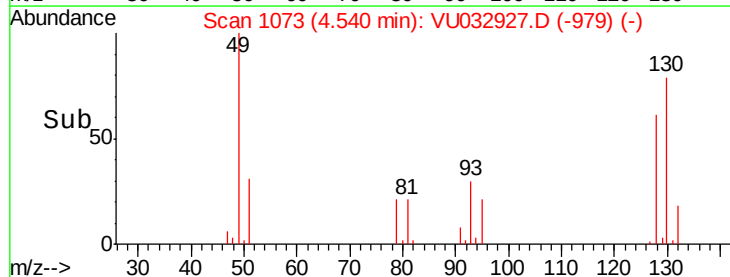
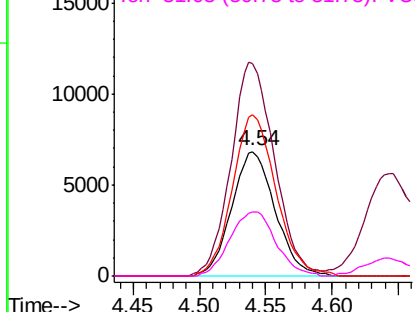
#23

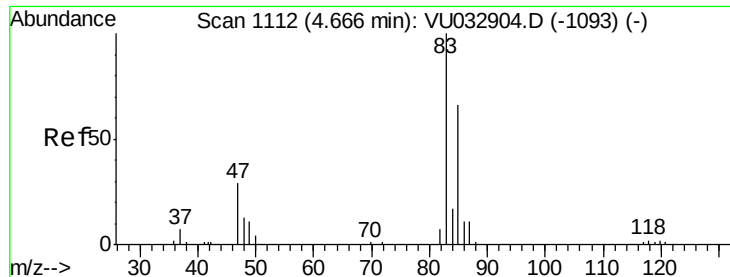
Bromochloromethane
 Concen: 5.386 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion: 128 Resp: 15573
 Ion Ratio Lower Upper
 128 100
 49 170.2 107.8 200.2
 130 129.2 89.3 165.9
 51 51.7 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

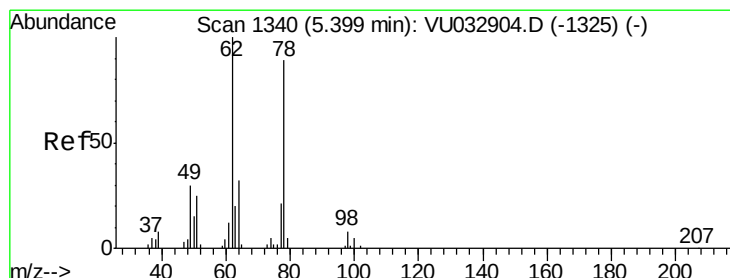
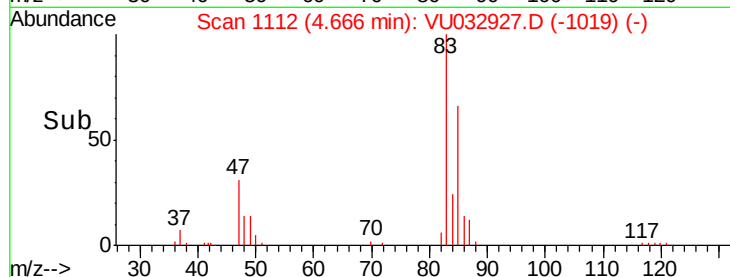
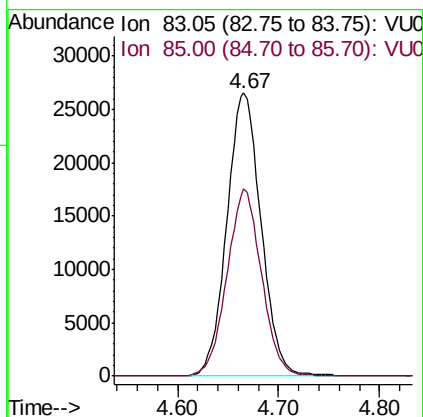
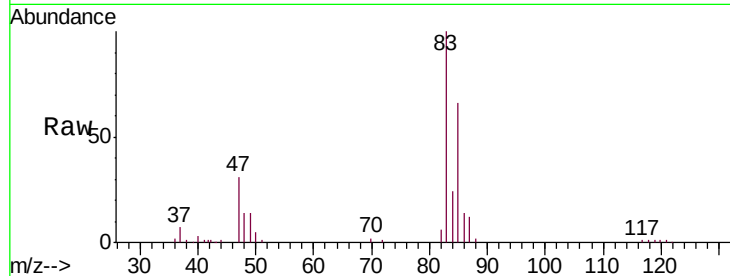




#25
 Chloroform
 Concen: 5.759 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

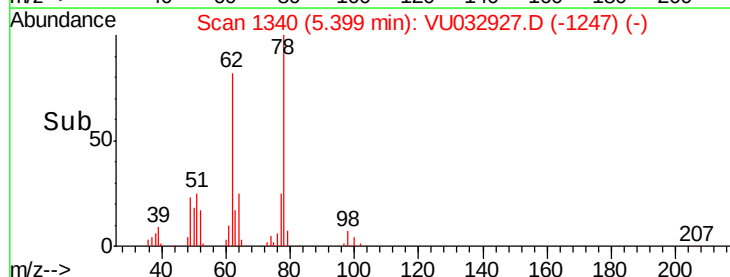
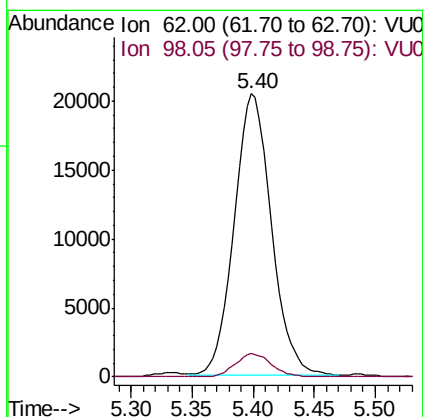
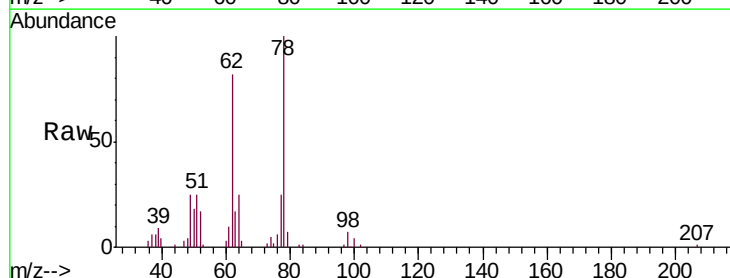
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

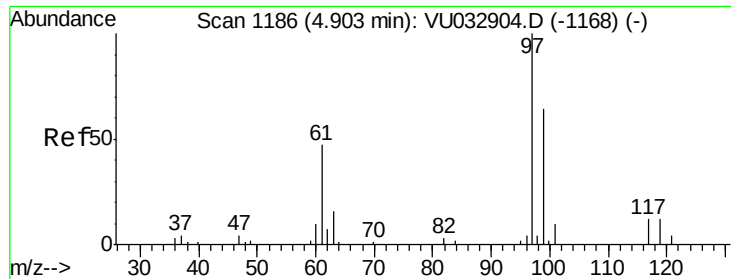
Tgt Ion: 83 Resp: 62512
 Ion Ratio Lower Upper
 83 100
 85 66.1 43.8 81.3



#27
 1,2-Dichloroethane
 Concen: 5.997 ug/L
 RT: 5.40 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion: 62 Resp: 42780
 Ion Ratio Lower Upper
 62 100
 98 8.2 7.0 10.6

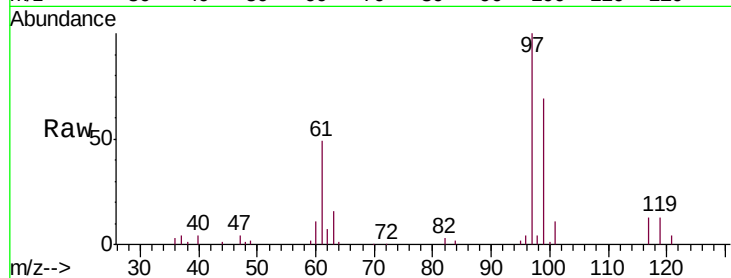




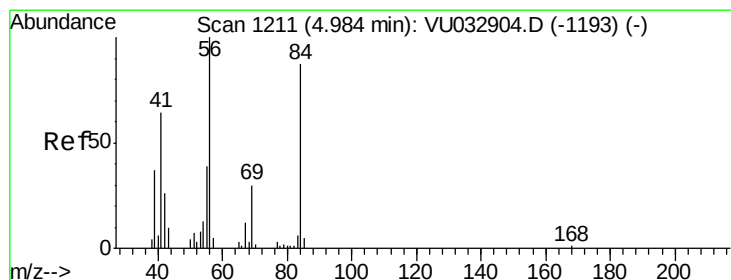
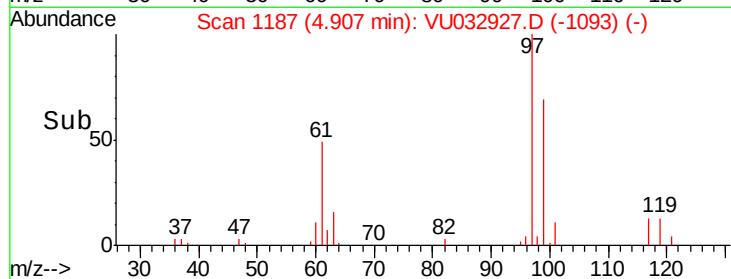
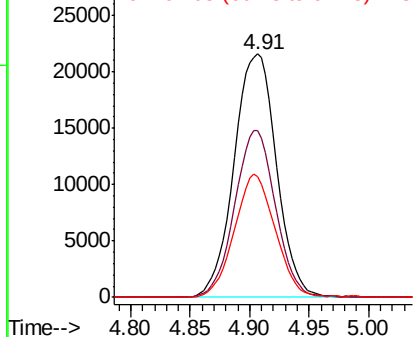
#29
 1,1,1-Trichloroethane
 Concen: 5.039 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion: 97 Resp: 53303
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.8 77.6
 61 48.7 34.7 52.1

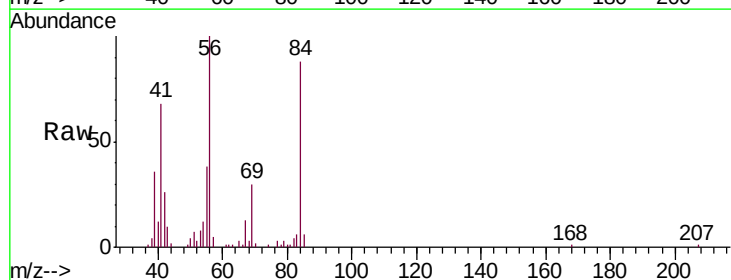


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

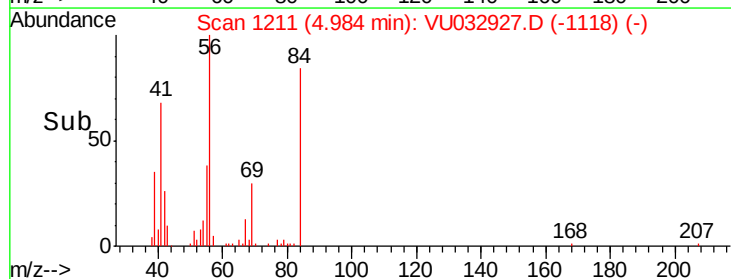
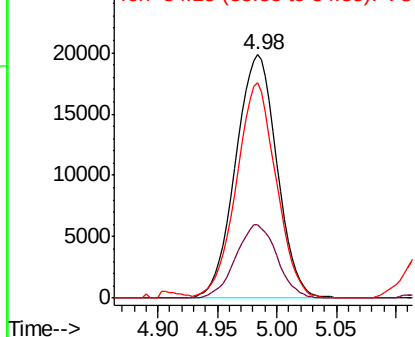


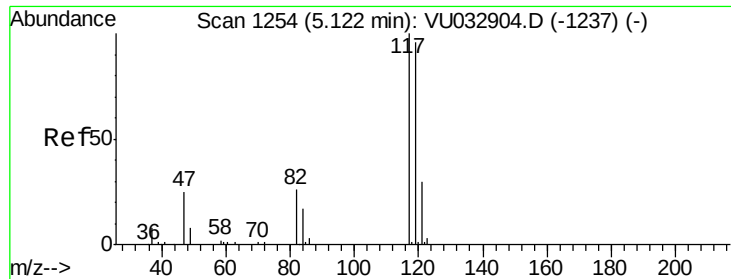
#30
 Cyclohexane
 Concen: 4.261 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion: 56 Resp: 47641
 Ion Ratio Lower Upper
 56 100
 69 30.0 24.9 37.3
 84 85.3 70.2 105.2



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: 5.005 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

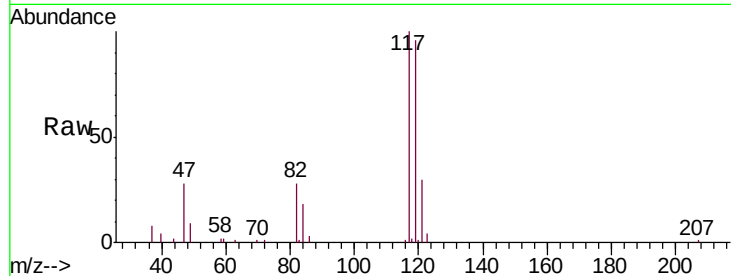
VSTD00503

Tgt Ion:117 Resp: 48139

Ion Ratio Lower Upper

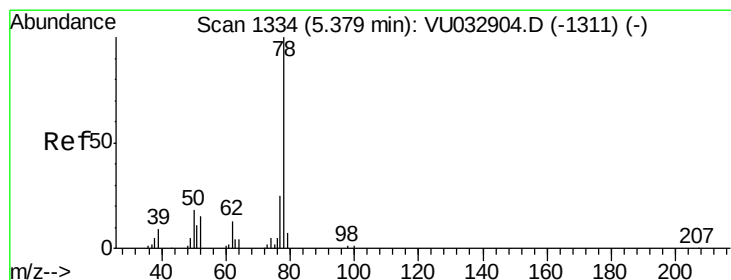
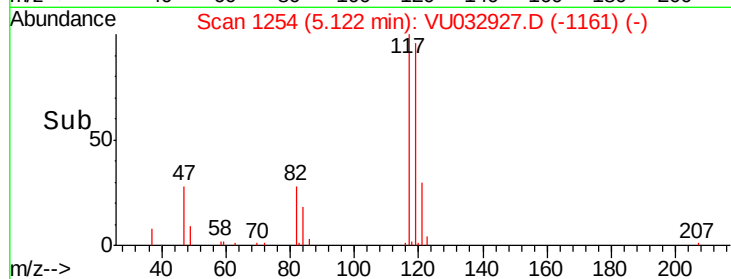
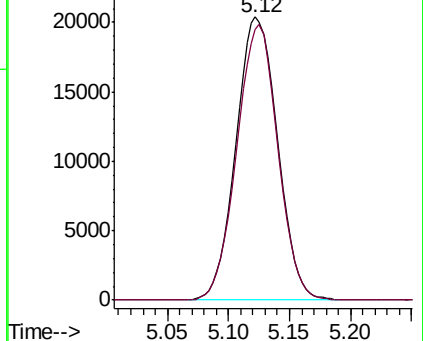
117 100

119 95.5 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: 4.946 ug/L

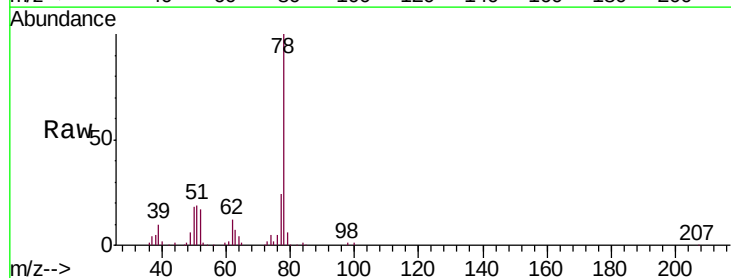
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

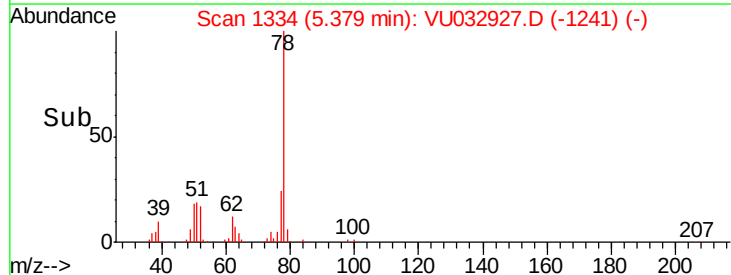
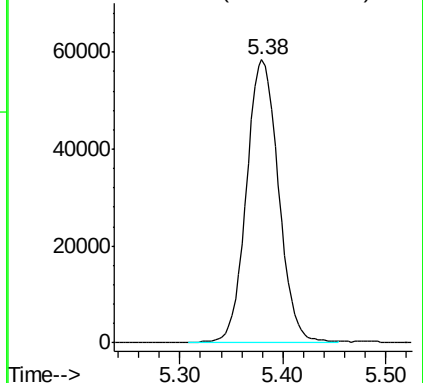
Lab File: VU032927.D

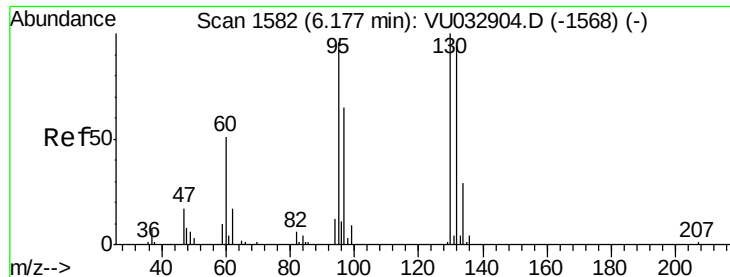
Acq: 21 Jun 2019 02:53

Tgt Ion: 78 Resp: 126607



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.613 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

Tgt Ion: 95 Resp: 33961

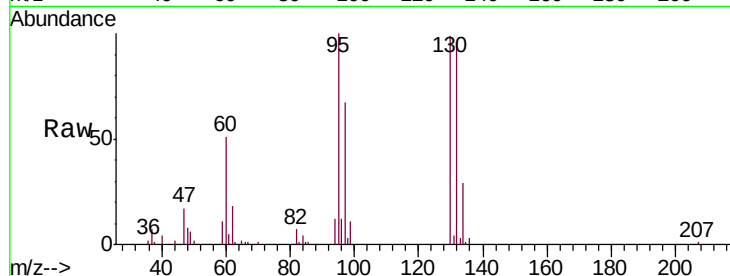
Ion Ratio Lower Upper

95 100

97 66.5 44.1 81.9

132 95.9 68.8 127.8

130 99.2 71.0 131.8

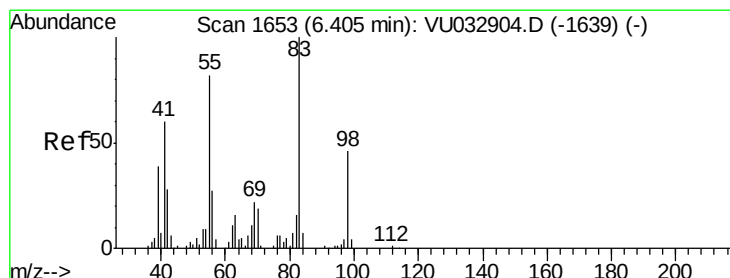
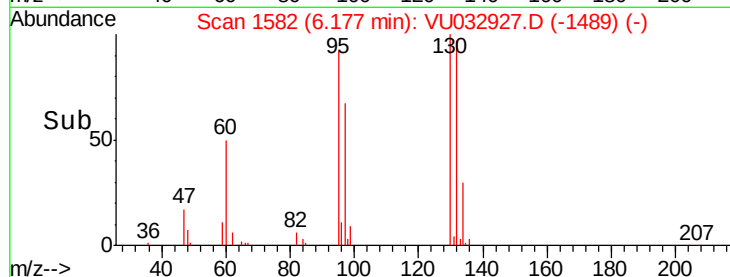
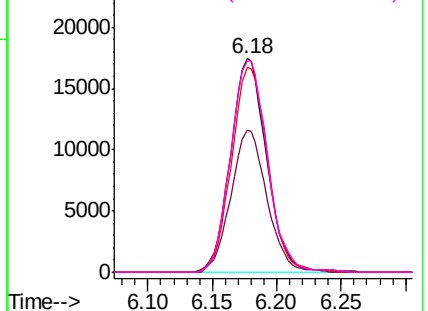


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.232 ug/L

RT: 6.41 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

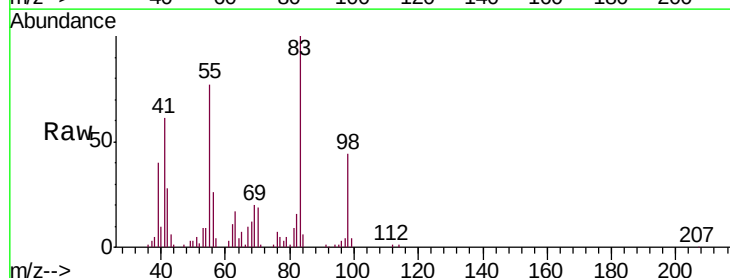
Tgt Ion: 83 Resp: 50113

Ion Ratio Lower Upper

83 100

55 80.0 60.0 90.0

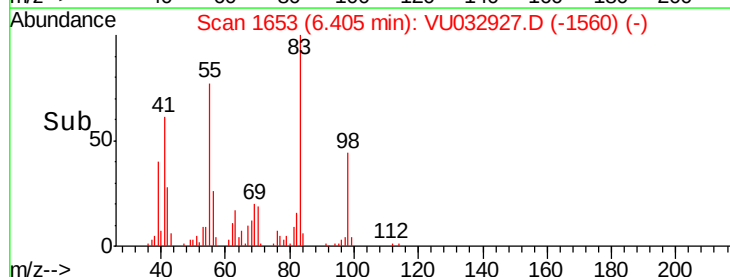
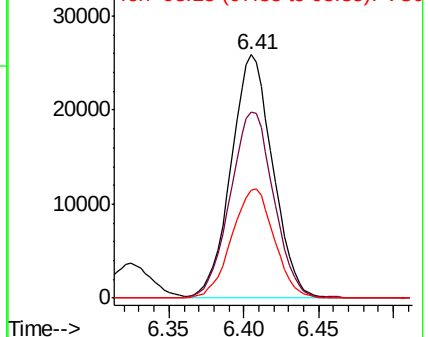
98 45.7 37.8 56.8

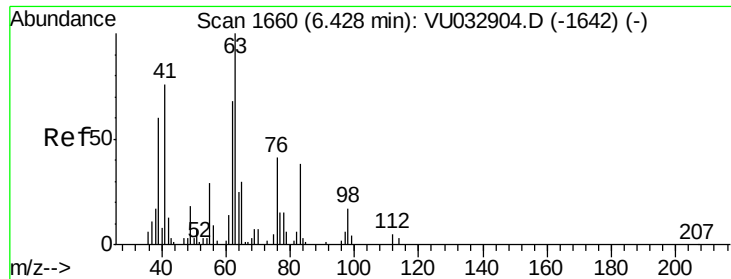


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

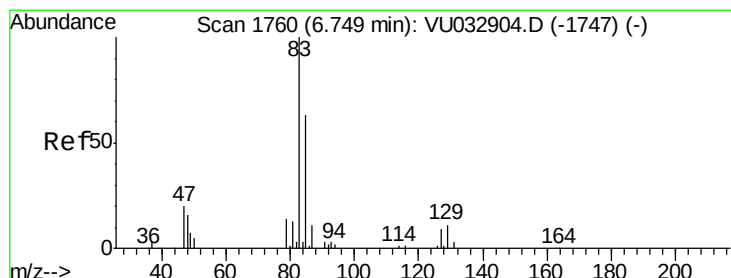
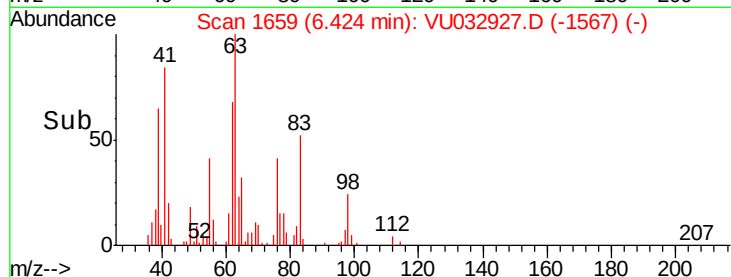
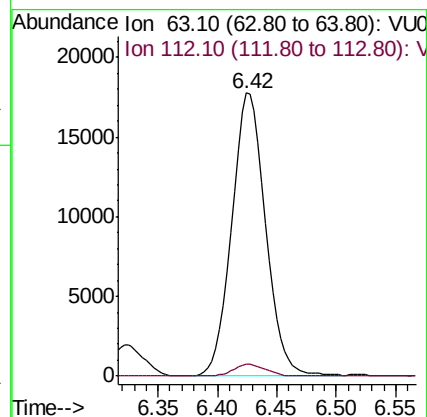
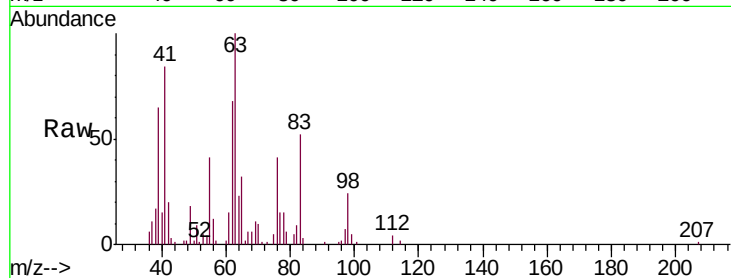




#37
 1,2-Dichloropropane
 Concen: 5.298 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

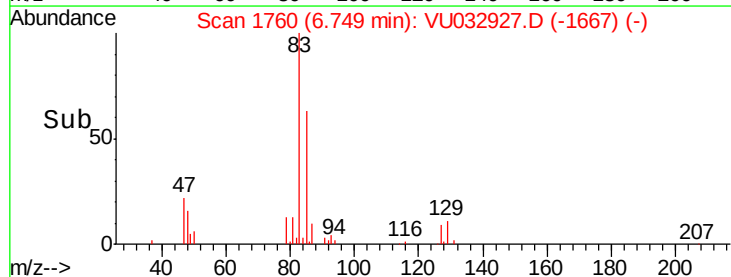
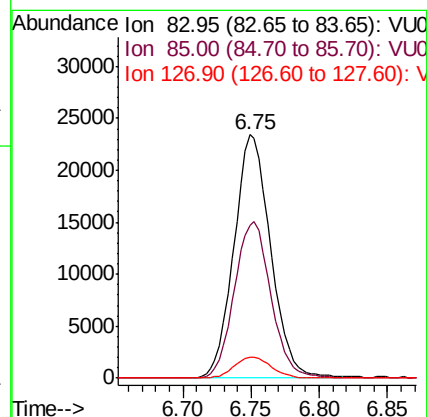
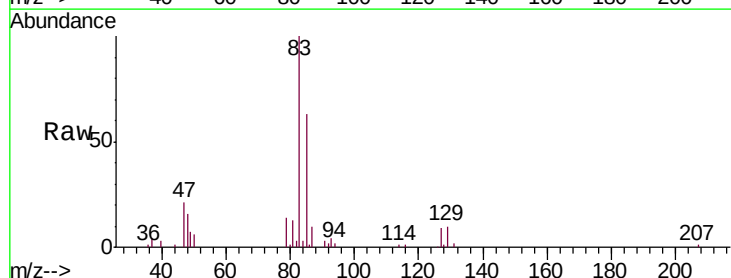
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

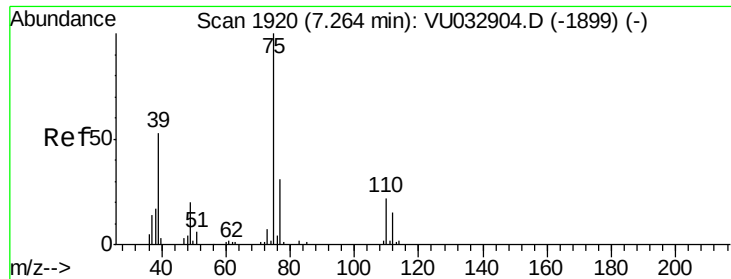
Tgt Ion: 63 Resp: 35087
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.9 4.3



#38
 Bromodichloromethane
 Concen: 5.148 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion: 83 Resp: 43817
 Ion Ratio Lower Upper
 83 100
 85 62.8 45.2 84.0
 127 8.6 7.4 11.2

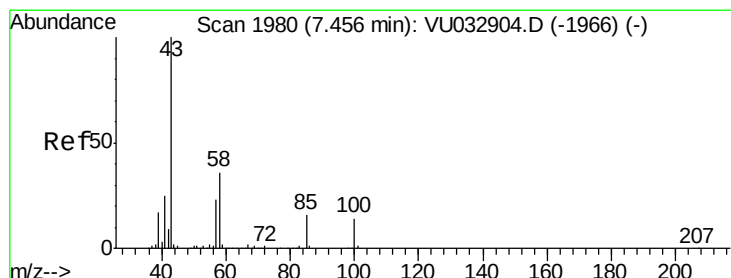
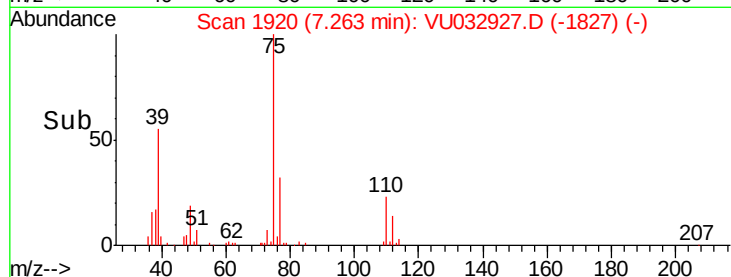
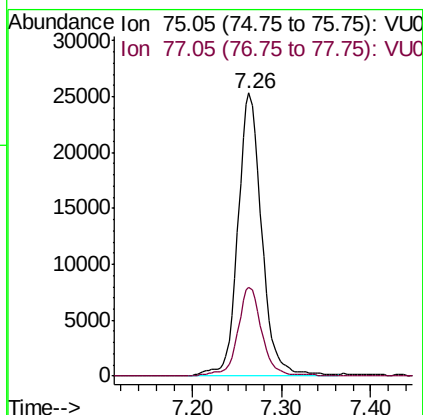
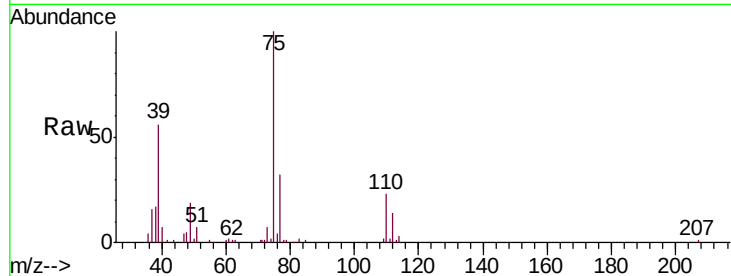




#39
 cis-1,3-Dichloropropene
 Concen: 4.626 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

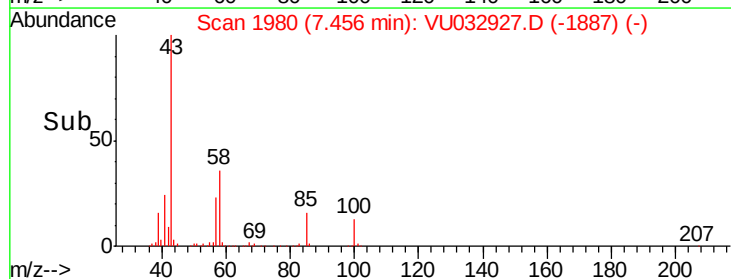
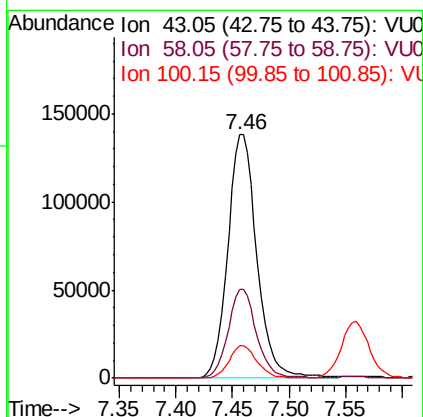
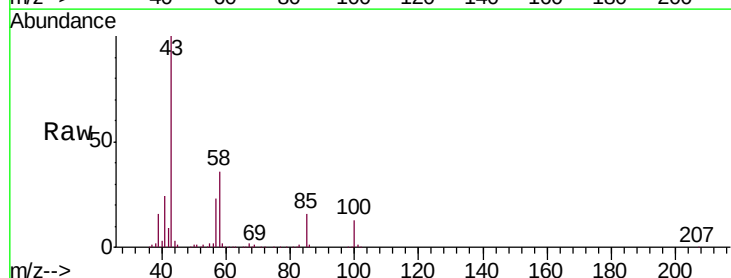
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

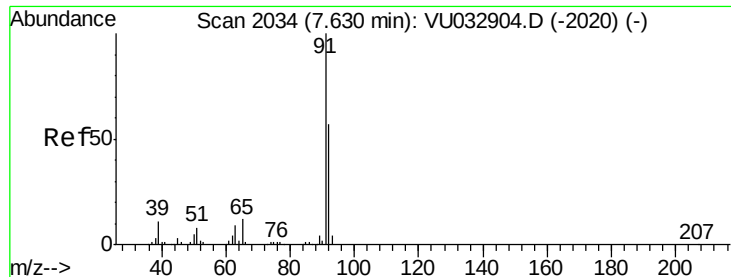
Tgt Ion: 75 Resp: 47032
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 52.440 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion: 43 Resp: 247141
 Ion Ratio Lower Upper
 43 100
 58 35.7 30.9 46.3
 100 12.9 11.9 17.9





#42

Toluene

Concen: 4.756 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

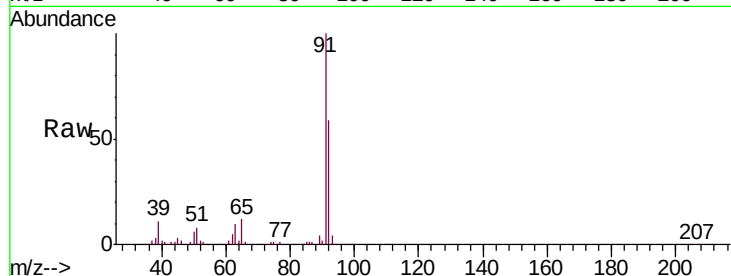
VSTD00503

Tgt Ion: 91 Resp: 135679

Ion Ratio Lower Upper

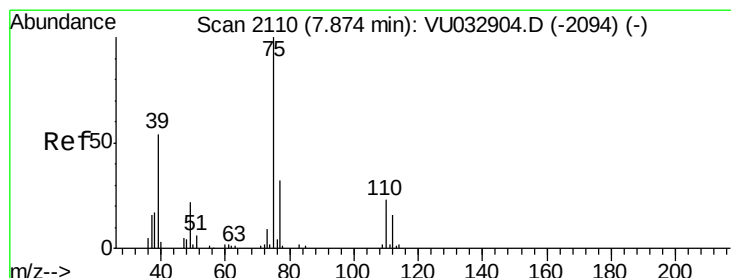
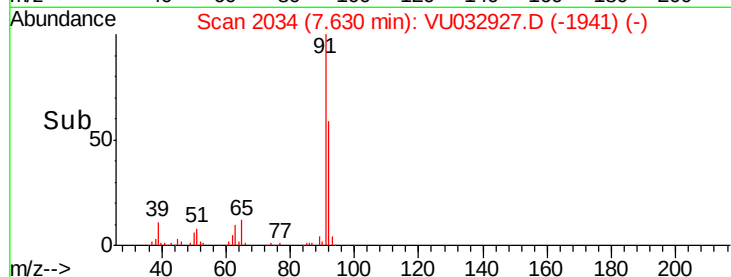
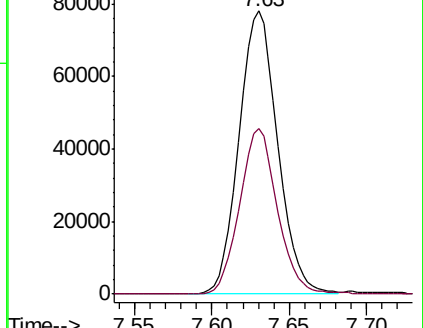
91 100

92 58.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032927.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU032927.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.769 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032927.D

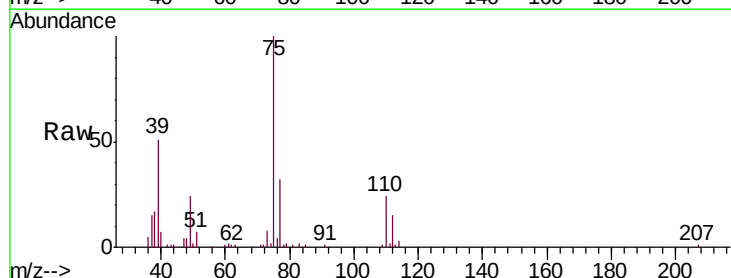
Acq: 21 Jun 2019 02:53

Tgt Ion: 75 Resp: 38709

Ion Ratio Lower Upper

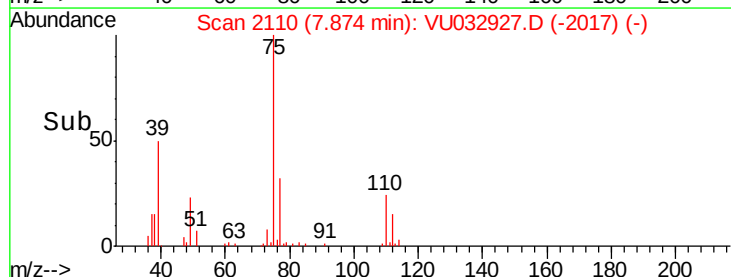
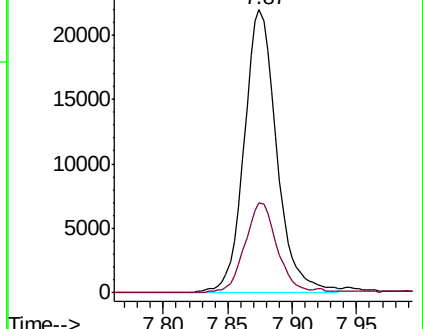
75 100

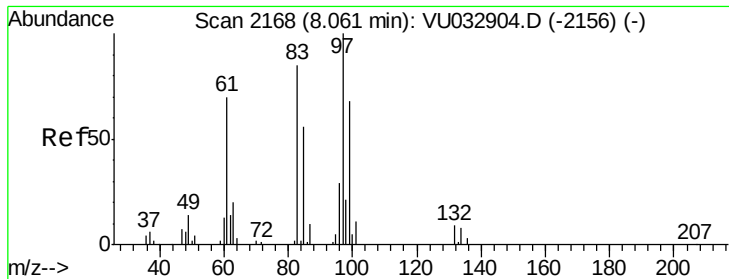
77 31.9 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032927.D (-2017) (-)

Ion 77.05 (76.75 to 77.75): VU032927.D (-2017) (-)

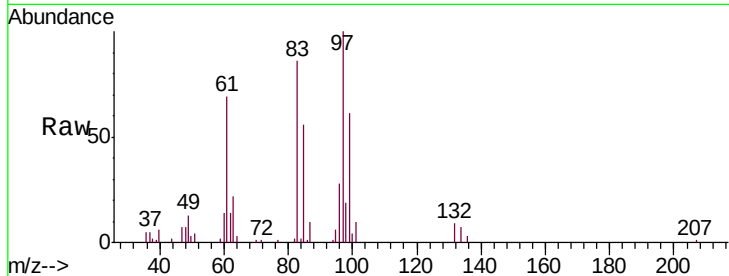




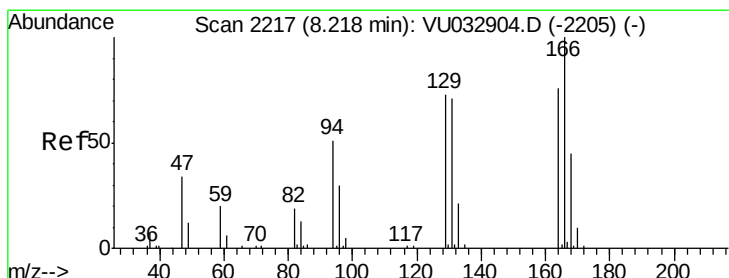
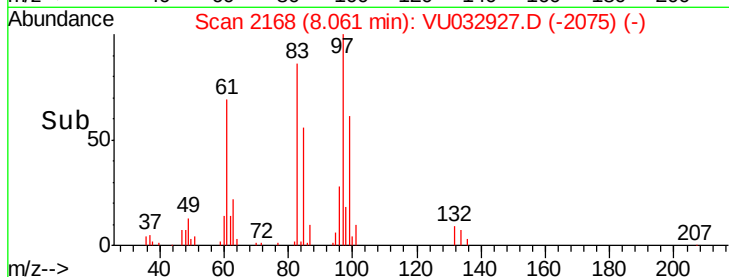
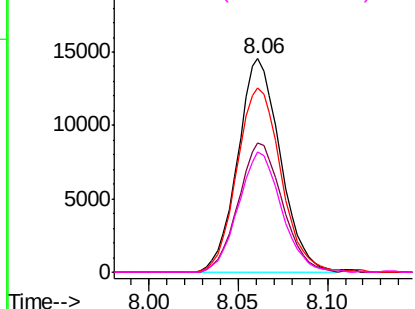
#45
 1,1,2-Trichloroethane
 Concen: 5.038 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion:	97	Resp:	24273
Ion	Ratio	Lower	Upper
97	100		
99	60.8	44.9	83.3
83	86.0	58.7	108.9
85	56.2	37.9	70.5

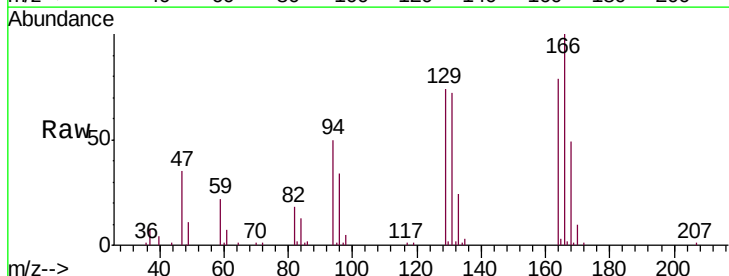


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

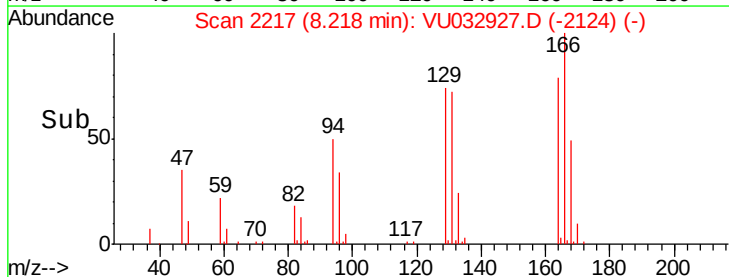
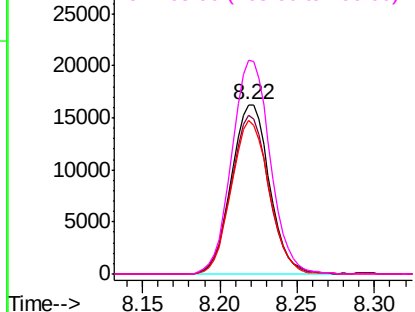


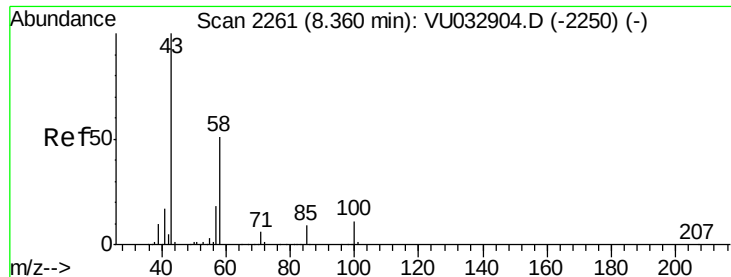
#47
 Tetrachloroethene
 Concen: 4.809 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion:	164	Resp:	27863
Ion	Ratio	Lower	Upper
164	100		
129	93.7	66.1	122.7
131	90.6	65.6	121.8
166	125.9	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

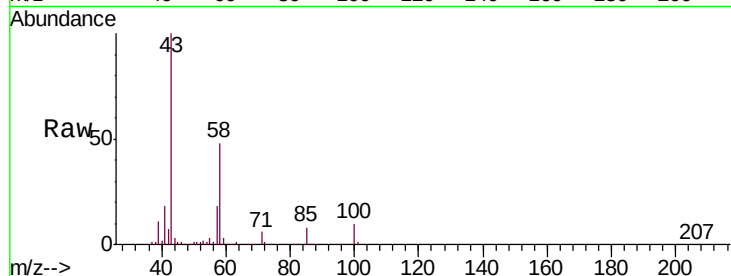




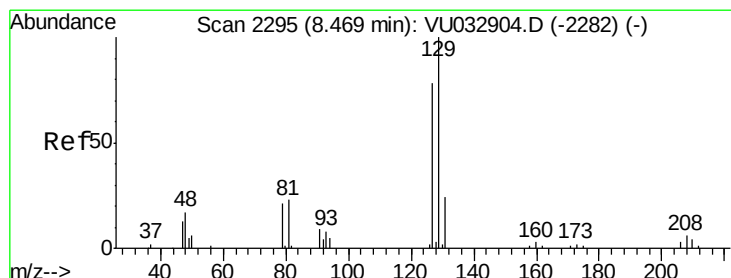
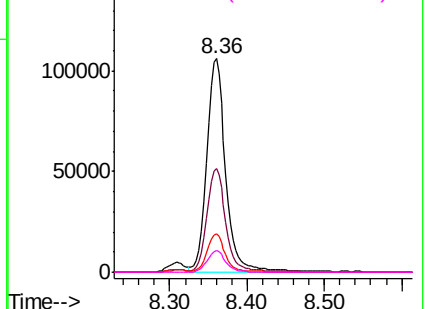
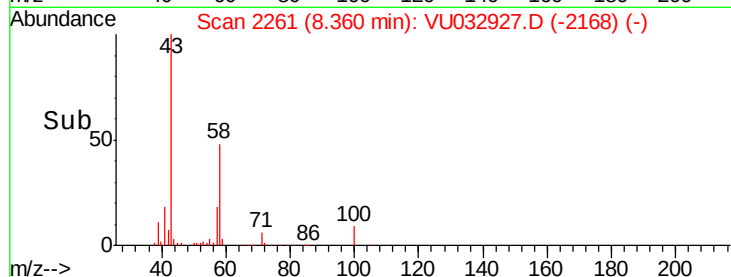
#48
2-Hexanone
Concen: 53.980 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU032927.D
Acq: 21 Jun 2019 02:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

Tgt Ion: 43 Resp: 181796
Ion Ratio Lower Upper
43 100
58 47.3 41.9 62.9
57 17.3 15.1 22.7
100 9.9 9.0 13.6

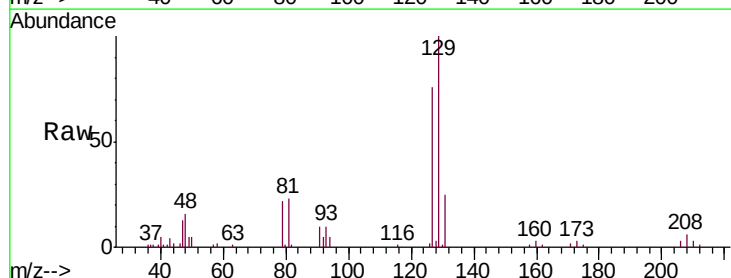


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

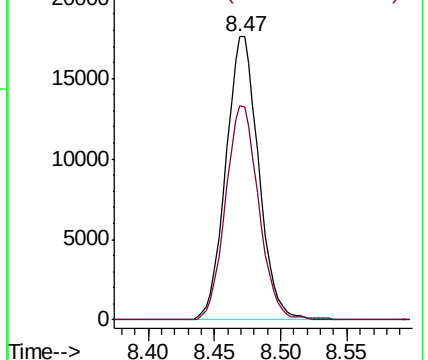
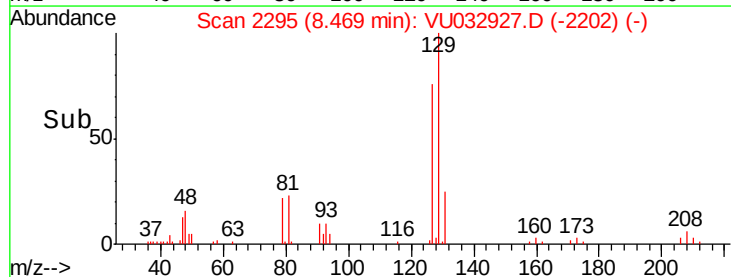


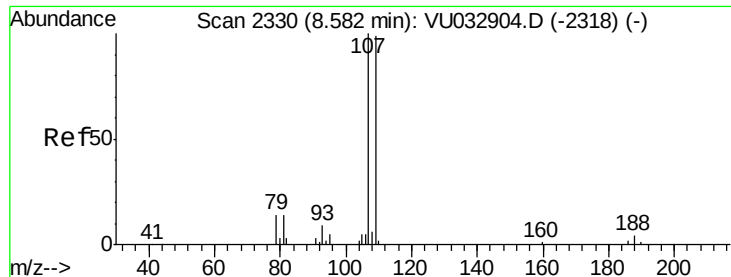
#49
Dibromochloromethane
Concen: 4.912 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032927.D
Acq: 21 Jun 2019 02:53

Tgt Ion: 129 Resp: 30272
Ion Ratio Lower Upper
129 100
127 75.9 53.3 98.9



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

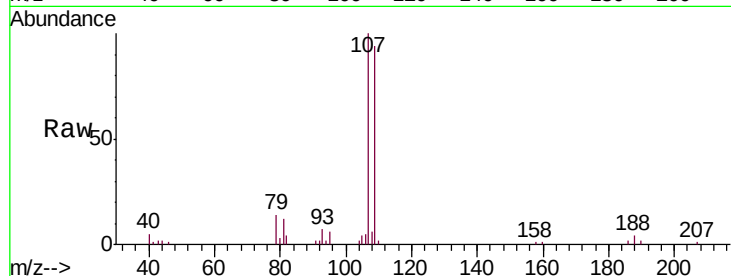




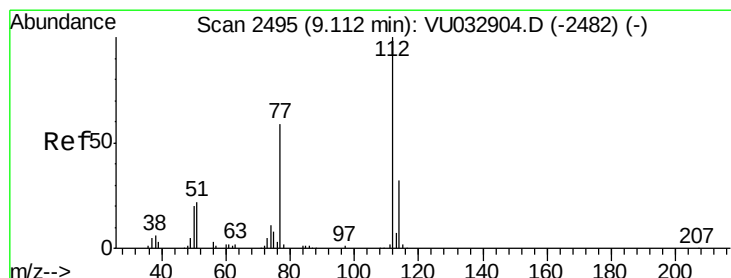
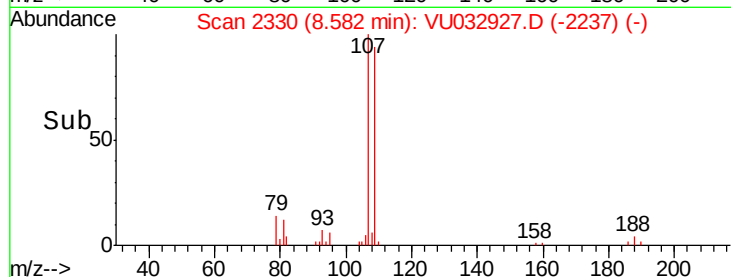
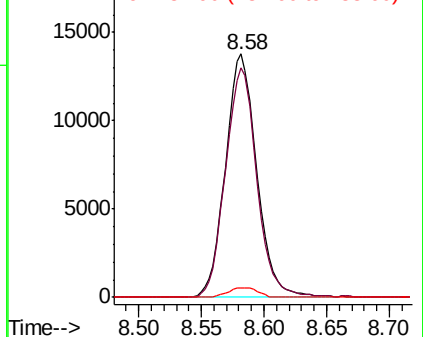
#50
 1,2-Dibromoethane
 Concen: 4.972 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion:107 Resp: 23872
 Ion Ratio Lower Upper
 107 100
 109 94.2 65.2 121.0
 188 3.7 3.1 4.7

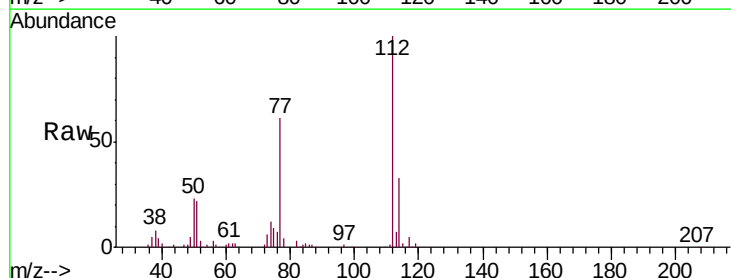


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

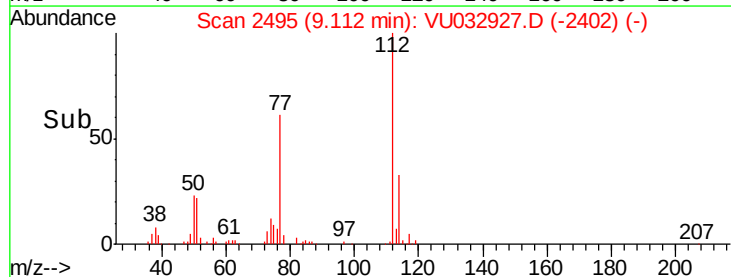
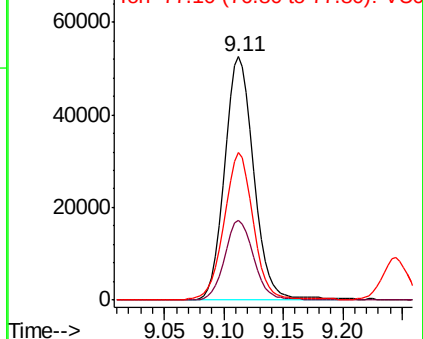


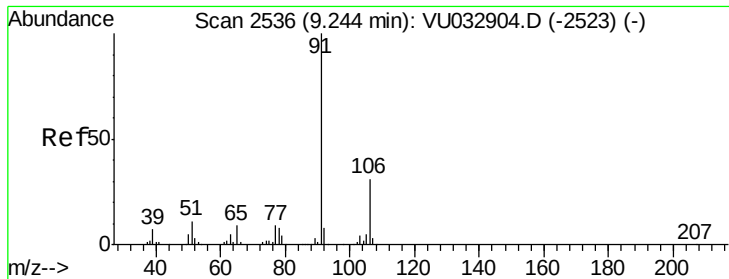
#51
 Chlorobenzene
 Concen: 4.991 ug/L
 RT: 9.11 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion:112 Resp: 89274
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.4 41.6
 77 60.8 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): VU





#52

Ethylbenzene

Concen: 4.769 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

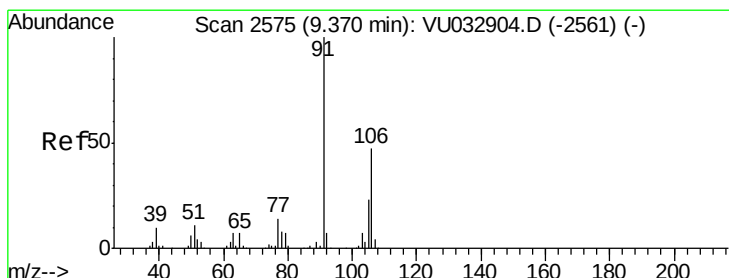
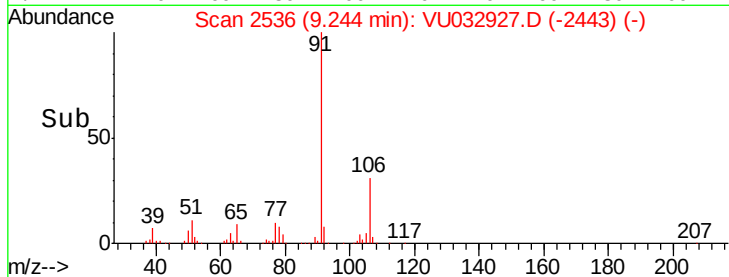
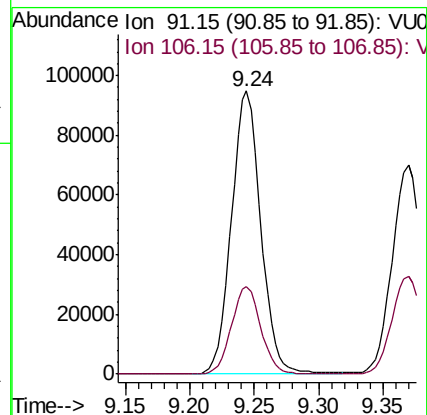
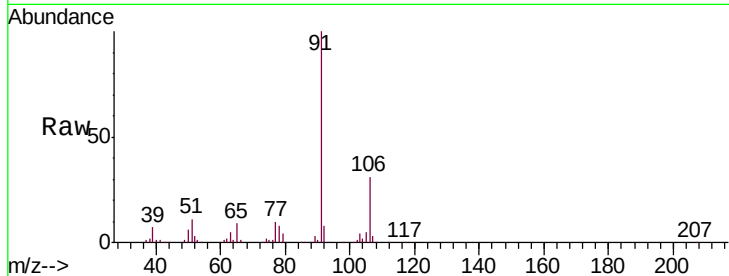
VSTD00503

Tgt Ion: 91 Resp: 149926

Ion Ratio Lower Upper

91 100

106 30.9 21.8 40.6



#53

m,p-Xylene

Concen: 4.620 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032927.D

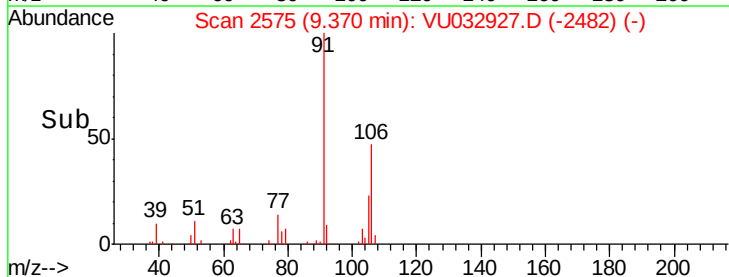
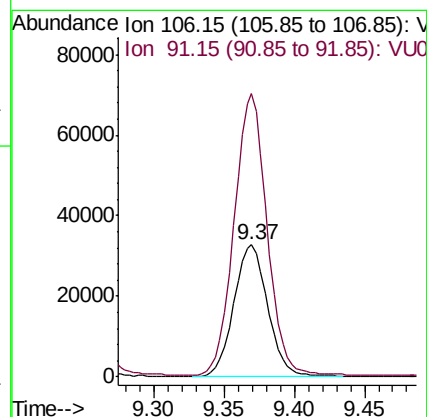
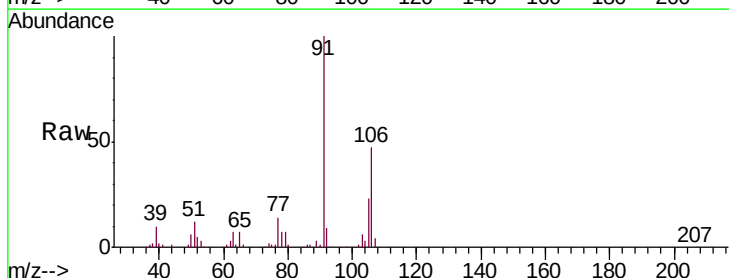
Acq: 21 Jun 2019 02:53

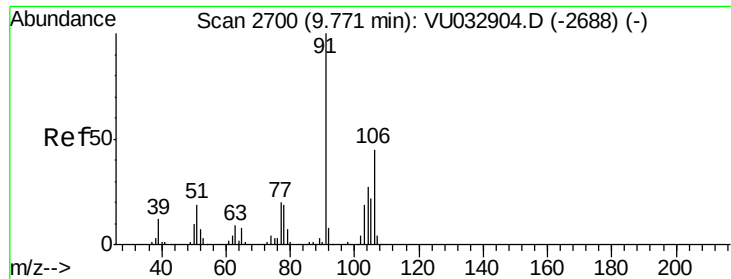
Tgt Ion: 106 Resp: 55063

Ion Ratio Lower Upper

106 100

91 214.5 142.4 264.4

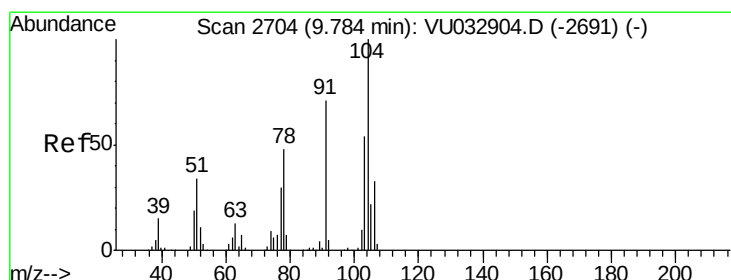
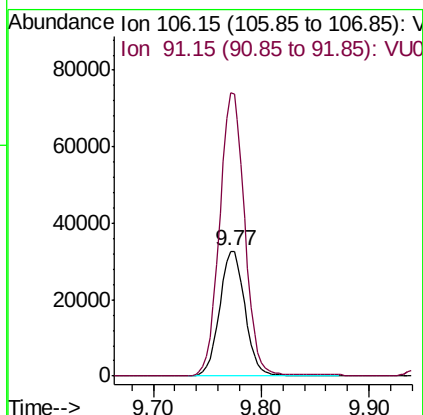
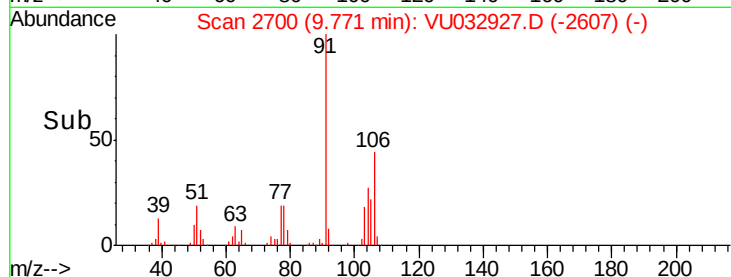
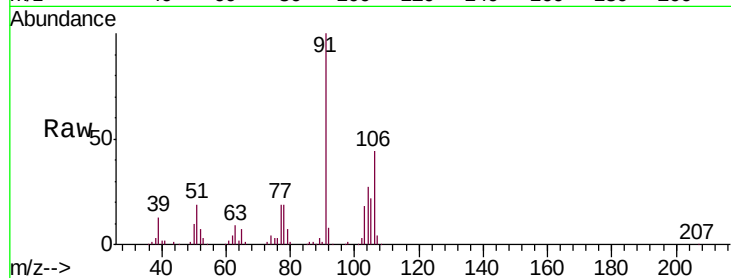




#54
o-Xylene
Concen: 4.525 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU032927.D
Acq: 21 Jun 2019 02:53

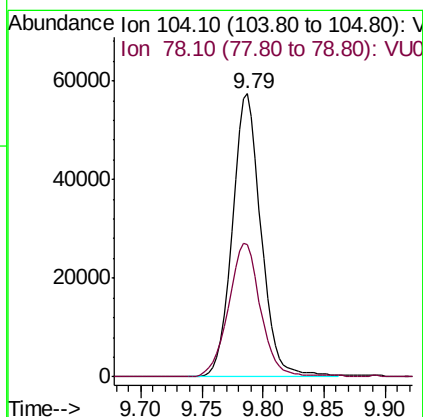
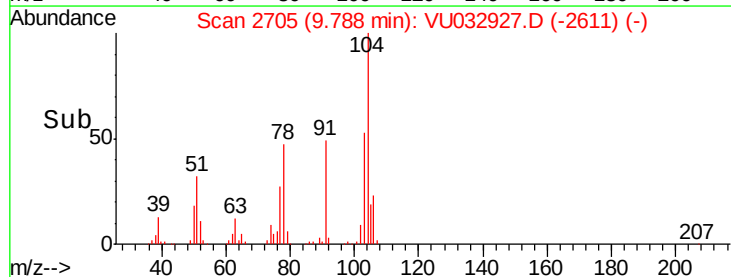
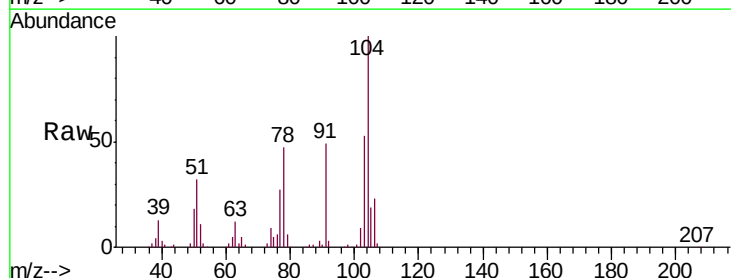
Instrument :
MSVOA_U
ClientSampleId :
VSTD00503

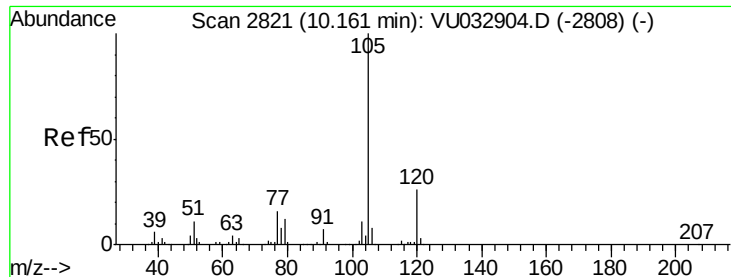
Tgt Ion:106 Resp: 53828
Ion Ratio Lower Upper
106 100
91 226.5 148.8 276.4



#55
Styrene
Concen: 4.800 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032927.D
Acq: 21 Jun 2019 02:53

Tgt Ion:104 Resp: 93941
Ion Ratio Lower Upper
104 100
78 46.9 32.2 59.8





#56

Isopropylbenzene

Concen: 4.681 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

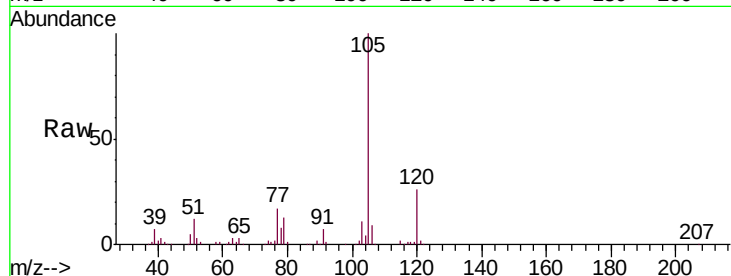
Tgt Ion: 105 Resp: 146883

Ion Ratio Lower Upper

105 100

120 26.2 21.6 32.4

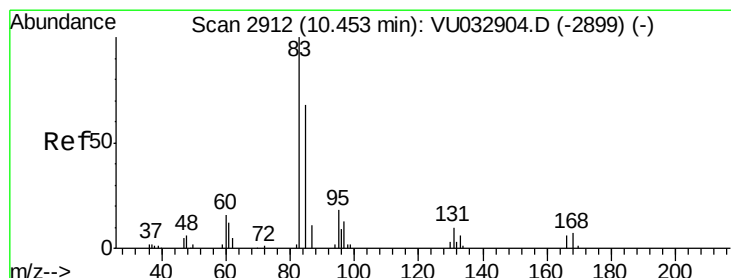
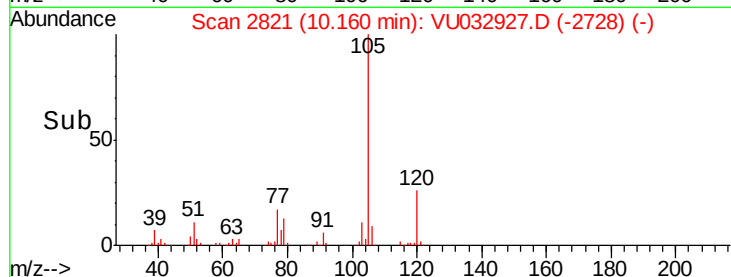
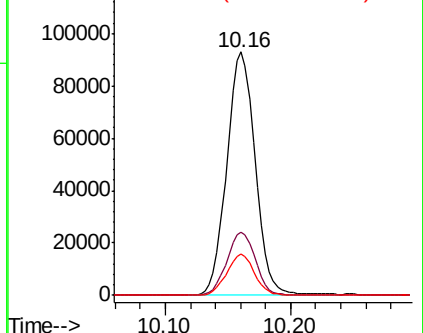
77 16.6 12.3 18.5



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: 5.216 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

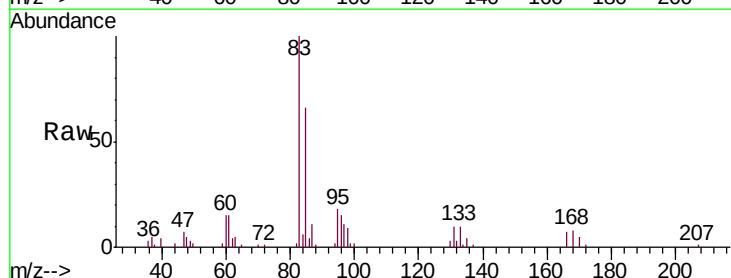
Tgt Ion: 83 Resp: 32140

Ion Ratio Lower Upper

83 100

85 66.2 45.7 84.9

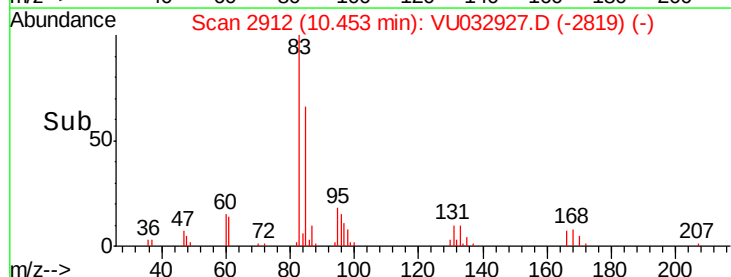
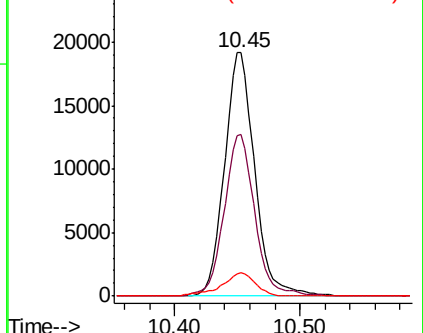
131 9.7 8.0 12.0

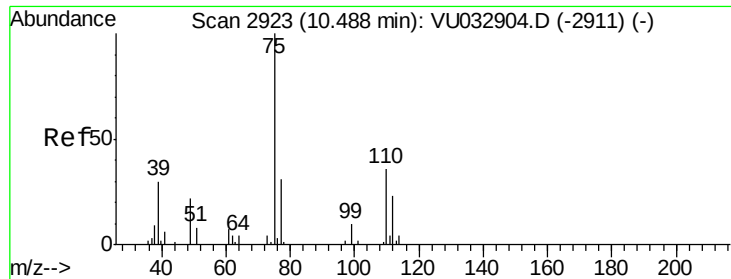


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

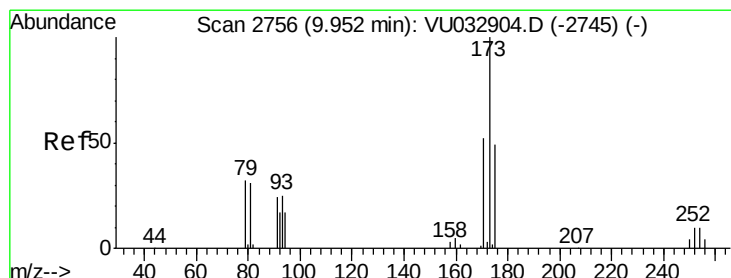
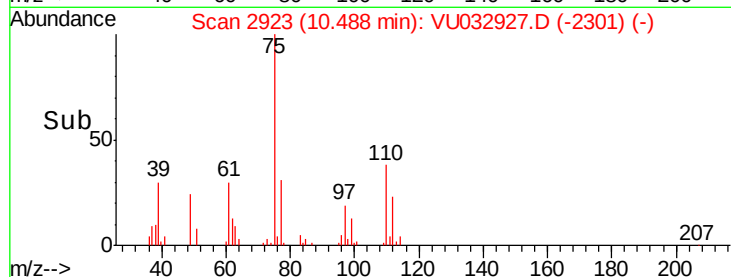
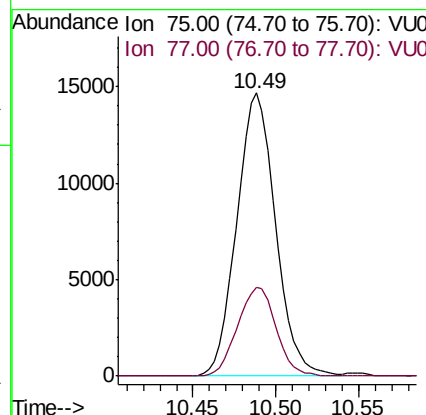
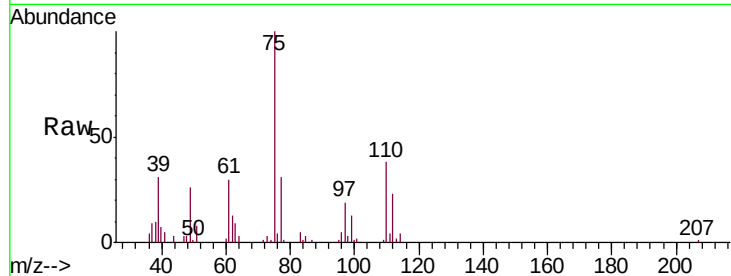




#59
 1,2,3-Trichloropropane
 Concen: 5.476 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

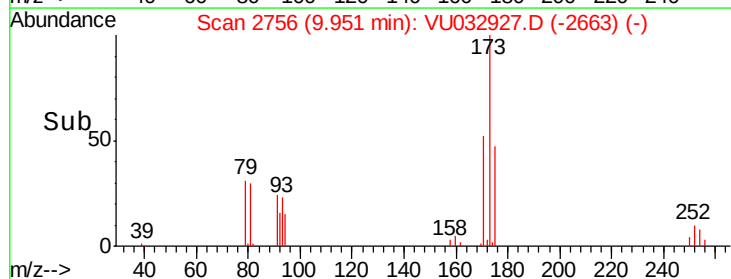
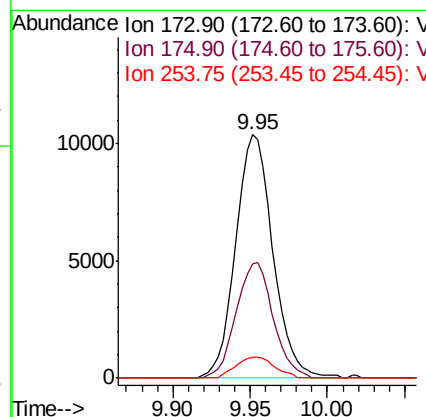
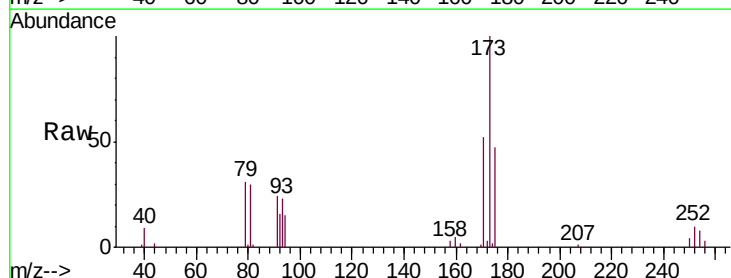
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

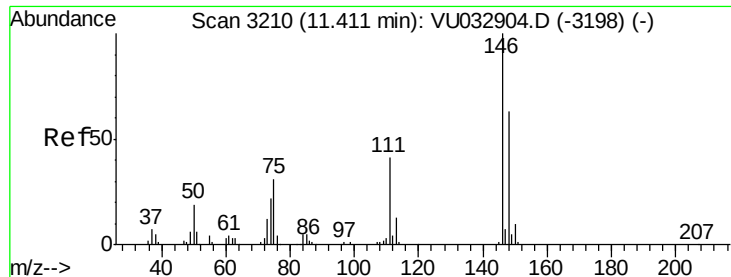
Tgt Ion: 75 Resp: 23815
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9



#61
 Bromoform
 Concen: 4.570 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion: 173 Resp: 17298
 Ion Ratio Lower Upper
 173 100
 175 47.1 37.9 56.9
 254 9.0 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 4.726 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

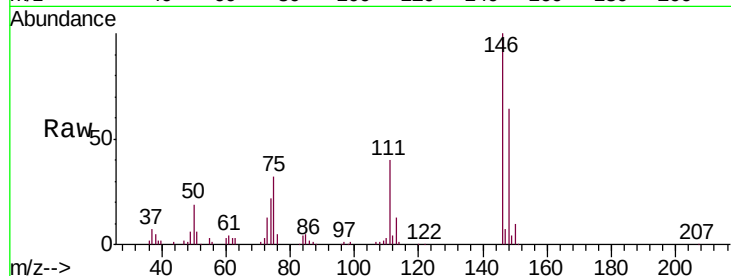
Tgt Ion:146 Resp: 72682

Ion Ratio Lower Upper

146 100

111 40.0 27.7 51.5

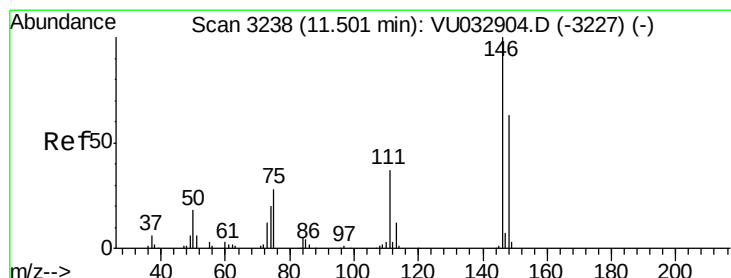
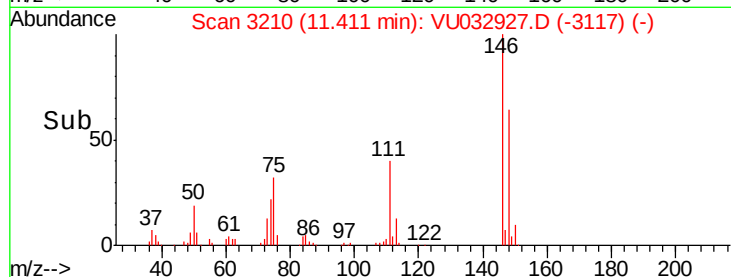
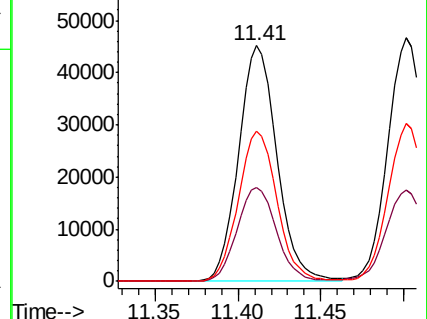
148 63.7 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.841 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

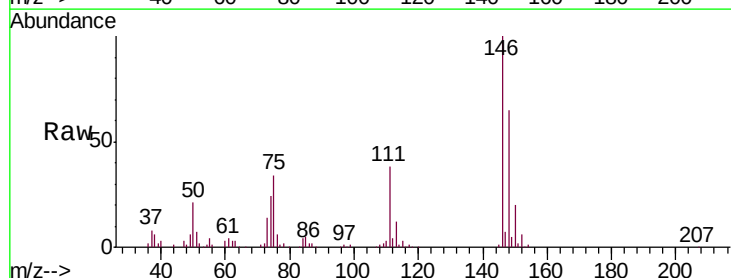
Tgt Ion:146 Resp: 75699

Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.6

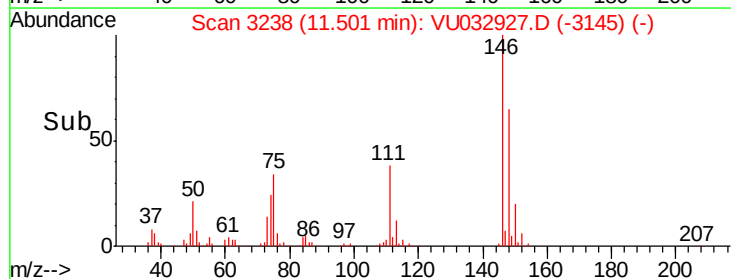
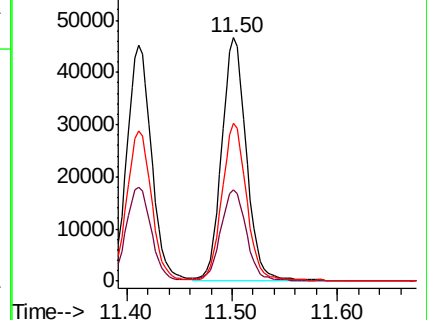
148 64.7 43.9 81.5

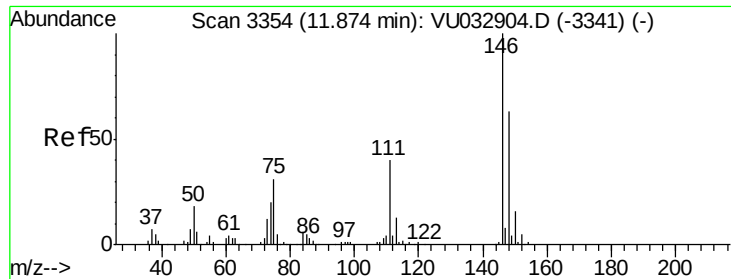


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

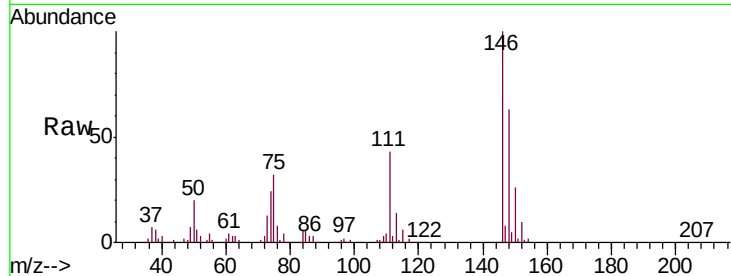




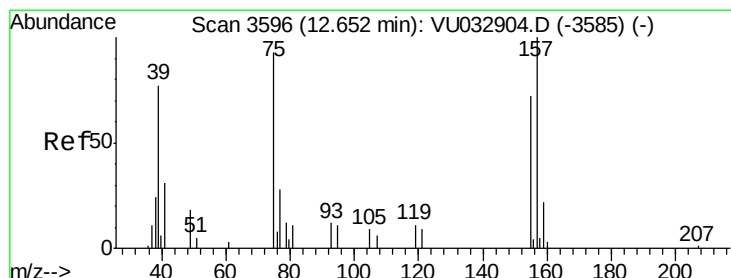
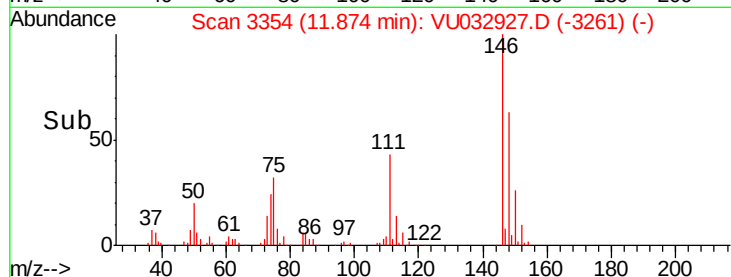
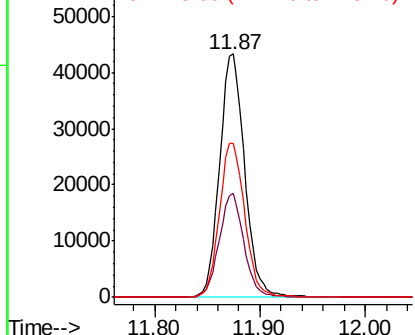
#65
 1,2-Dichlorobenzene
 Concen: 4.799 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion:146 Resp: 71327
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.0 49.4
 148 63.3 51.5 77.3

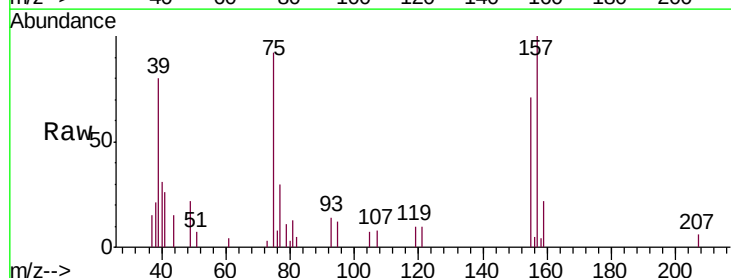


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

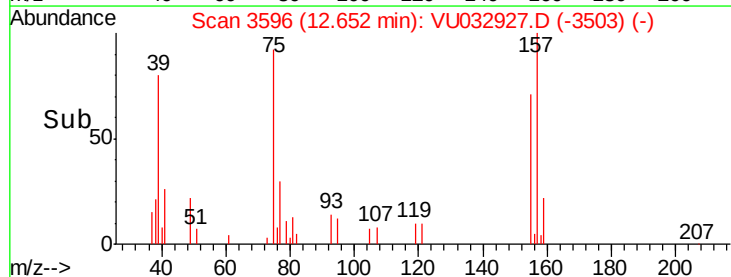
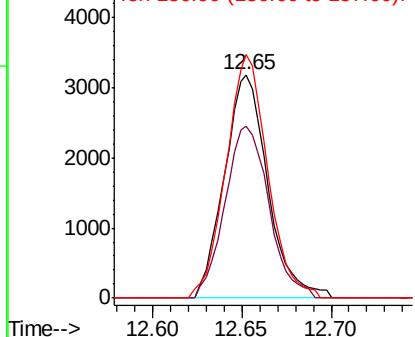


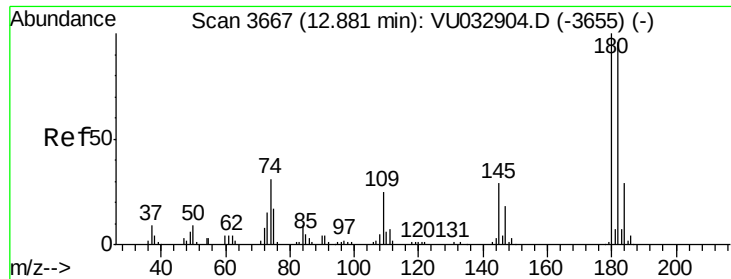
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.169 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion: 75 Resp: 5394
 Ion Ratio Lower Upper
 75 100
 155 77.3 72.3 108.5
 157 109.0 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

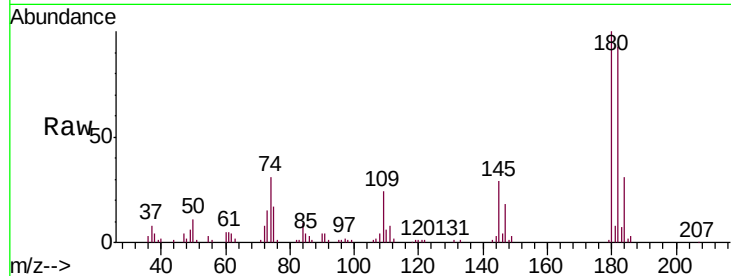




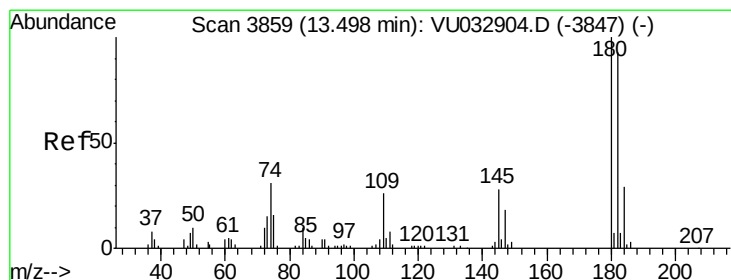
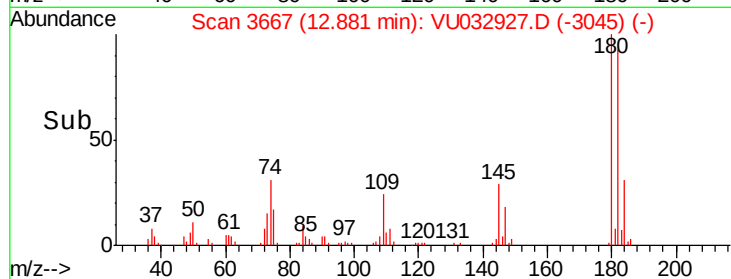
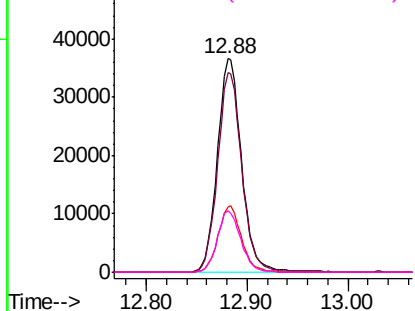
#67
 1,3,5-Trichlorobenzene
 Concen: 4.982 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00503

Tgt Ion:180 Resp: 61411
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.6 115.0
 184 29.7 24.2 36.4
 145 27.7 23.5 35.3

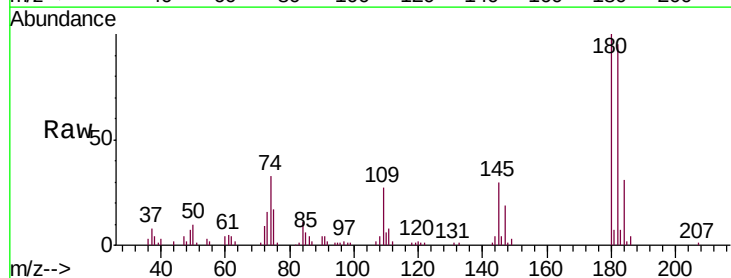


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

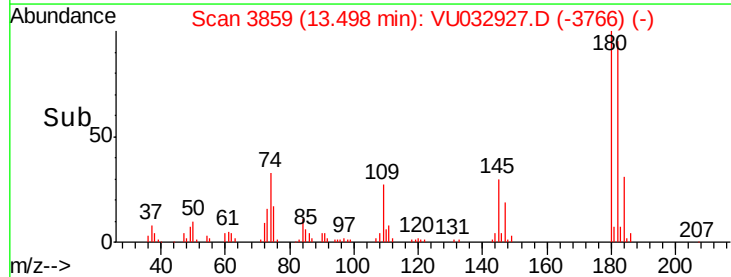
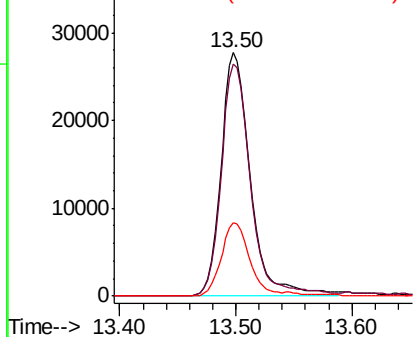


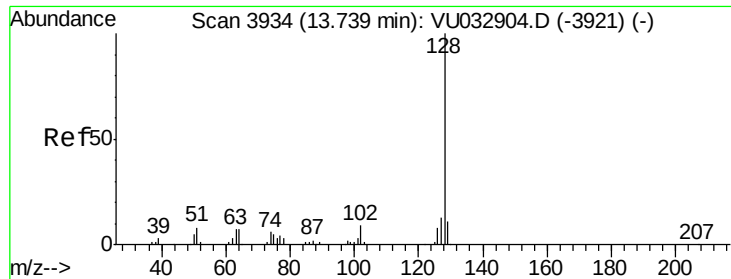
#68
 1,2,4-trichlorobenzene
 Concen: 4.912 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032927.D
 Acq: 21 Jun 2019 02:53

Tgt Ion:180 Resp: 48823
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.8 112.2
 145 30.1 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: 4.543 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00503

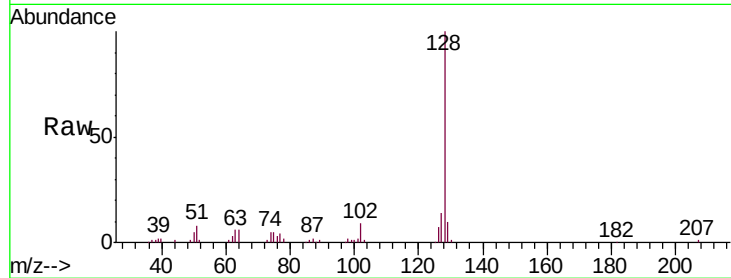
Tgt Ion:128 Resp: 79153

Ion Ratio Lower Upper

128 100

129 9.9 8.1 12.1

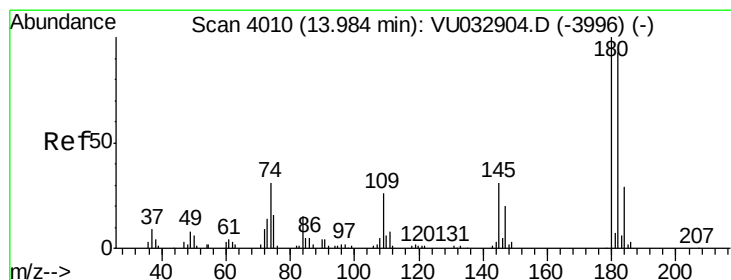
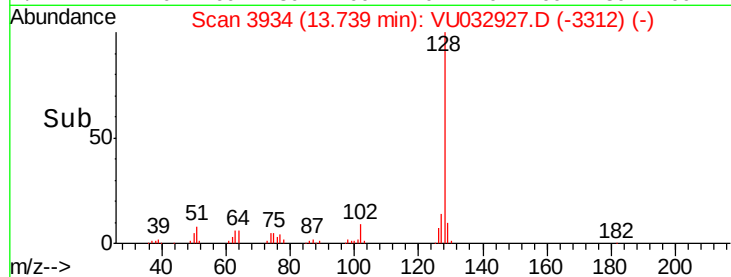
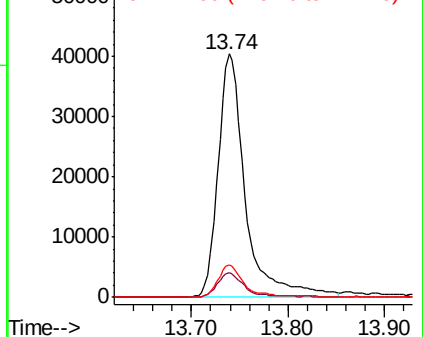
127 12.7 10.4 15.6



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: 4.653 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU032927.D

Acq: 21 Jun 2019 02:53

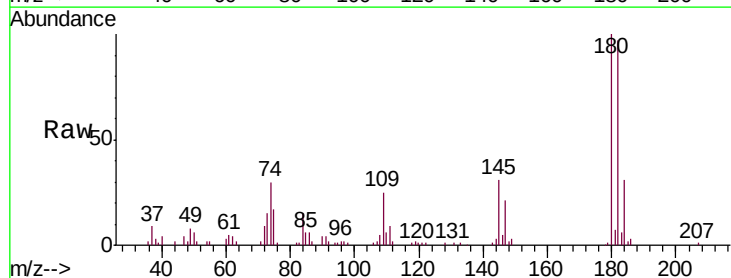
Tgt Ion:180 Resp: 46059

Ion Ratio Lower Upper

180 100

182 93.3 73.8 110.6

145 31.5 25.3 37.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

