

Data File : VU034978.D
Acq On : 07 Oct 2019 22:40
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Quant Time: Oct 09 04:05:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 03:56:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	176942	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	179932	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	94202	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48704	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.67	69	45270	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.26	63	106622	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	4.17	46	150664	48.91	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.82%
24) Chloroform-d	4.62	84	90394	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.29	65	56466	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.31	84	203749	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.31	67	68213	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.54	98	197606	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.83	79	23290	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.30	63	117409	48.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.26%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57348	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	77192	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	83310	5.152	ug/L 99
3) Chloromethane	1.32	50	91539	5.160	ug/L 98
5) Vinyl chloride	1.40	62	90916	5.218	ug/L 99
6) Bromomethane	1.62	94	46541	4.805	ug/L 99
8) Chloroethane	1.69	64	52551	5.029	ug/L 98
9) Trichlorofluoromethane	1.87	101	111423	5.288	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	61413	5.076	ug/L 98
12) 1,1-Dichloroethene	2.27	96	59166	5.206	ug/L 99
13) Acetone	2.31	43	121640	48.218	ug/L 100
14) Carbon disulfide	2.46	76	189091	4.999	ug/L 97
15) Methyl Acetate	2.60	43	32127	4.784	ug/L 99
16) Methylene chloride	2.68	84	72218	5.133	ug/L 97
17) Methyl tert-butyl Ether	2.99	73	161518	5.209	ug/L 99
18) trans-1,2-Dichloroethene	2.96	96	63420	5.211	ug/L 98
19) 1,1-Dichloroethane	3.42	63	126685	5.237	ug/L 96
21) 2-Butanone	4.25	43	180805	50.328	ug/L 100
22) cis-1,2-Dichloroethene	4.20	96	69333	5.107	ug/L 98

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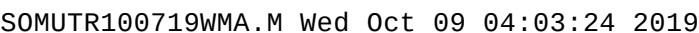
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

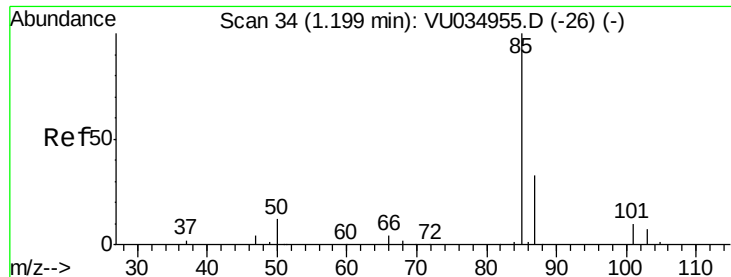
Quant Time: Oct 09 04:05:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 03:56:49 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	31251	5.493	ug/L	96
25) Chloroform	4.65	83	147373	5.423	ug/L	99
27) 1,2-Dichloroethane	5.38	62	80160	5.050	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	102089	5.052	ug/L	99
30) Cyclohexane	4.96	56	108718	4.893	ug/L	99
31) Carbon tetrachloride	5.11	117	89022	5.080	ug/L	100
33) Benzene	5.36	78	275510	5.083	ug/L	100
34) Trichloroethene	6.16	95	70101	5.015	ug/L	97
35) Methylcyclohexane	6.39	83	110498	4.881	ug/L	99
37) 1,2-Dichloropropane	6.41	63	74759	5.113	ug/L	99
38) Bromodichloromethane	6.74	83	86571	5.051	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	92096	4.650	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	456419	49.602	ug/L	98
42) Toluene	7.61	91	300460	5.311	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	72970	4.757	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	49100	5.058	ug/L	98
47) Tetrachloroethene	8.21	164	57259	5.061	ug/L	97
48) 2-Hexanone	8.34	43	315308	49.977	ug/L	99
49) Dibromochloromethane	8.46	129	56746	5.057	ug/L	94
50) 1,2-Dibromoethane	8.57	107	47169	5.084	ug/L #	96
51) Chlorobenzene	9.10	112	188632	5.145	ug/L	98
52) Ethylbenzene	9.23	91	319776	5.118	ug/L	99
53) m,p-Xylene	9.35	106	120402	5.216	ug/L	98
54) o-Xylene	9.76	106	116701	5.170	ug/L	96
55) Styrene	9.77	104	197041	5.390	ug/L	99
56) Isopropylbenzene	10.14	105	312293	5.193	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.43	83	66646	5.048	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	46291	4.892	ug/L	99
61) Bromoform	9.94	173	30404	4.706	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	145727	5.022	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	143460	4.898	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	139828	4.993	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	8182	4.598	ug/L	91
67) 1,3,5-Trichlorobenzene	12.87	180	98305	5.003	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	71371	4.863	ug/L	99
69) Naphthalene	13.73	128	96951	4.249	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	69417	4.864	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.152 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

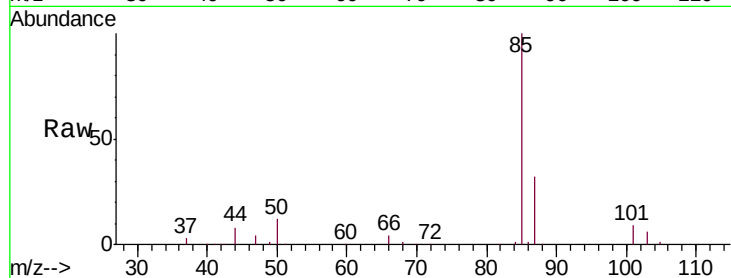
VSTD00529

Tgt Ion: 85 Resp: 83310

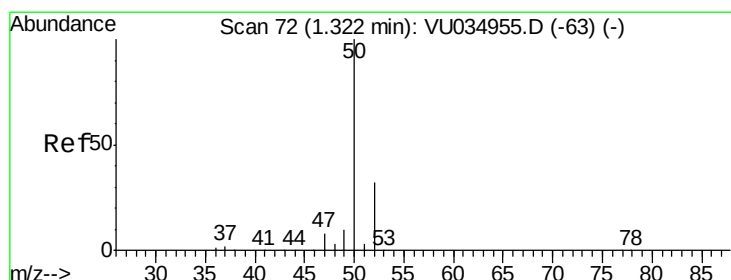
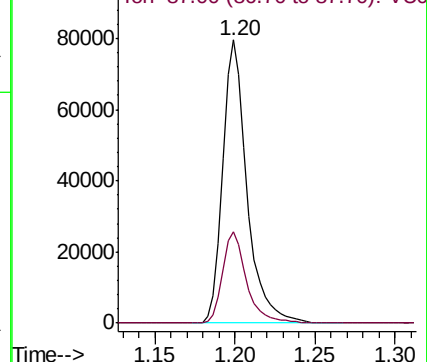
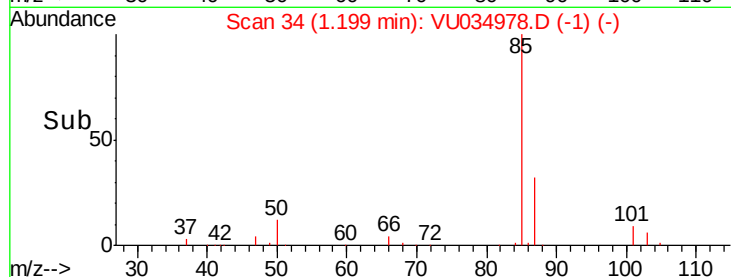
Ion Ratio Lower Upper

85 100

87 32.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034978.D (-1) (-)



#3

Chloromethane

Concen: 5.160 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034978.D

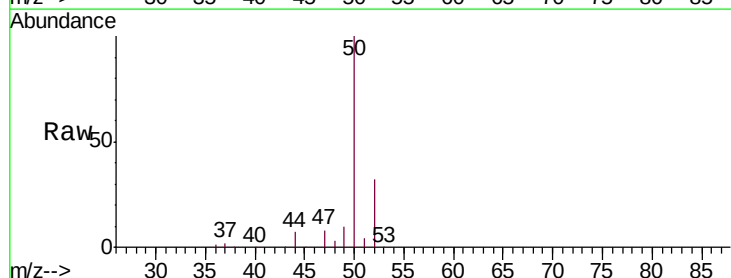
Acq: 07 Oct 2019 22:40

Tgt Ion: 50 Resp: 91539

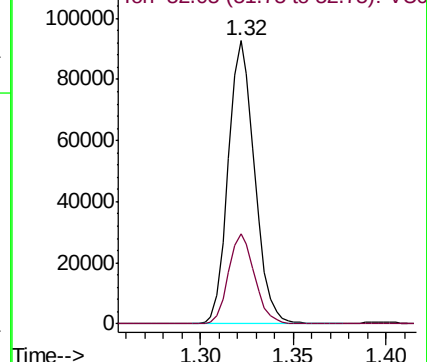
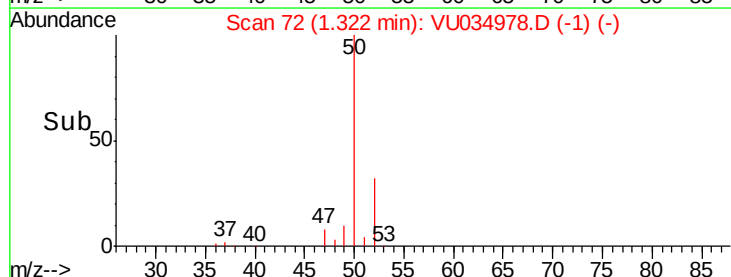
Ion Ratio Lower Upper

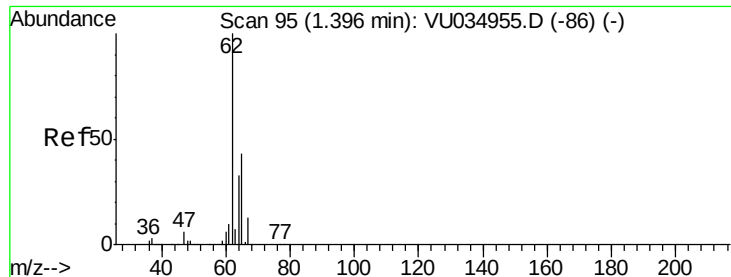
50 100

52 31.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU034978.D (-1) (-)





#5

Vinyl chloride

Concen: 5.218 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

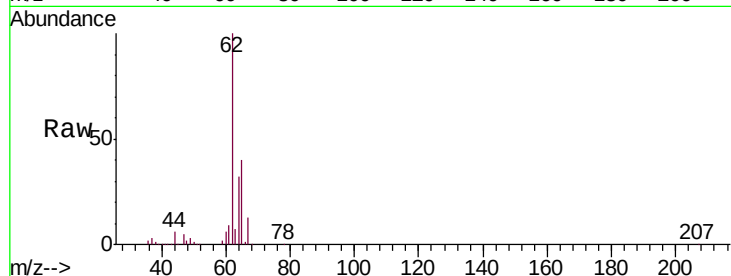
VSTD00529

Tgt Ion: 62 Resp: 90916

Ion Ratio Lower Upper

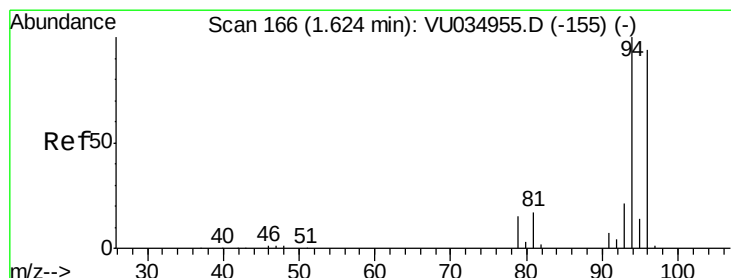
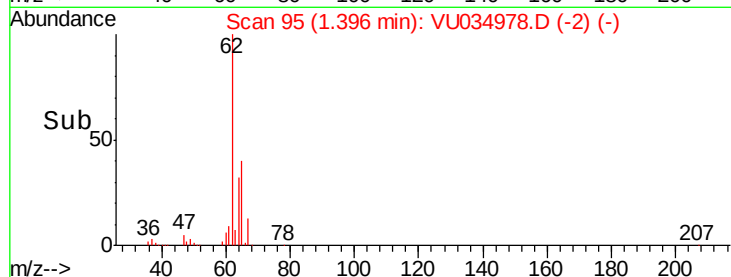
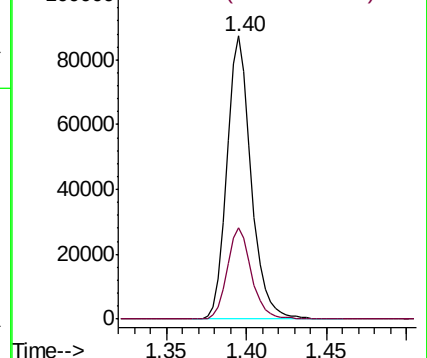
62 100

64 32.4 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU034955.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034955.D (-86) (-)



#6

Bromomethane

Concen: 4.805 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034978.D

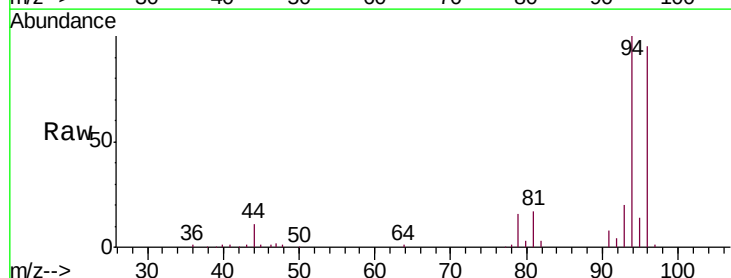
Acq: 07 Oct 2019 22:40

Tgt Ion: 94 Resp: 46541

Ion Ratio Lower Upper

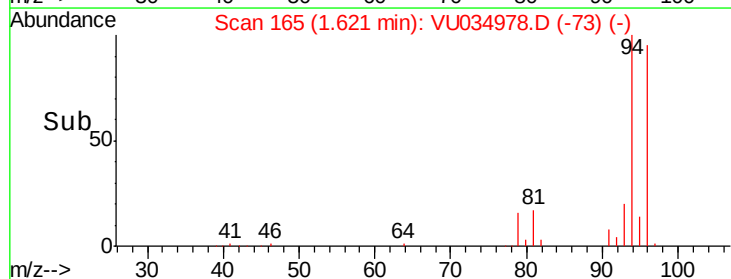
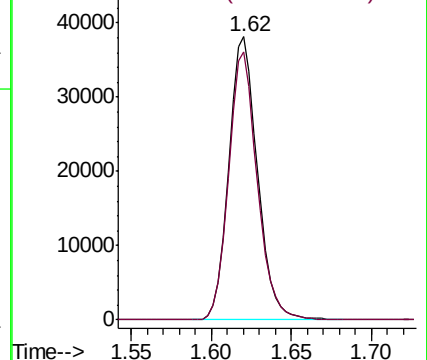
94 100

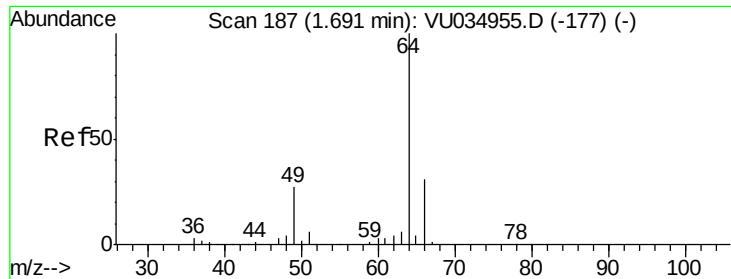
96 94.6 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU034955.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034955.D (-155) (-)





#8

Chloroethane

Concen: 5.029 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

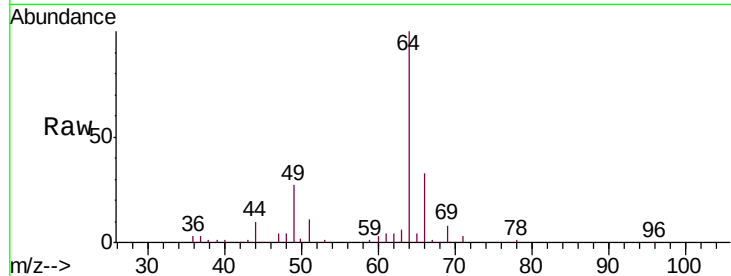
VSTD00529

Tgt Ion: 64 Resp: 52551

Ion Ratio Lower Upper

64 100

66 33.2 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VU034978.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034978.D (-177) (-)

1.69

40000

30000

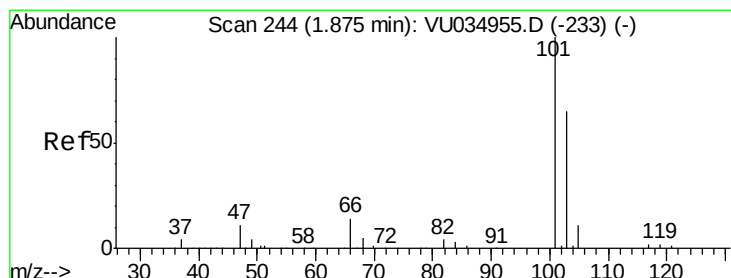
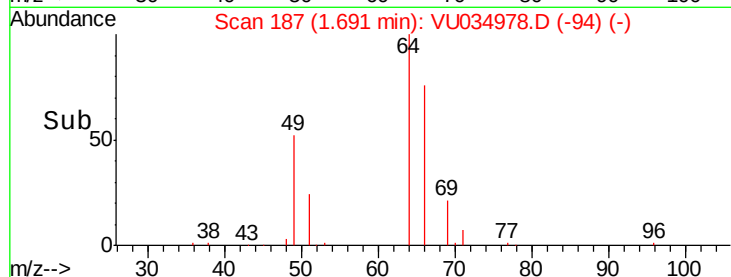
20000

10000

0

Time-->

1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 5.288 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034978.D

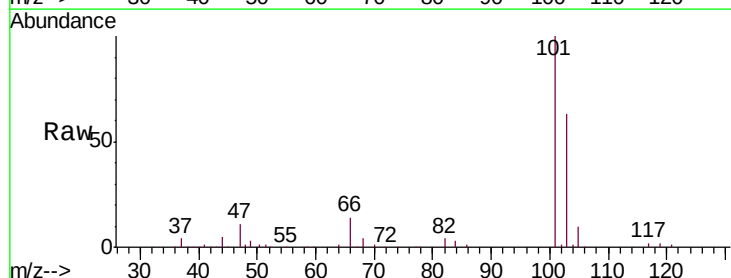
Acq: 07 Oct 2019 22:40

Tgt Ion: 101 Resp: 111423

Ion Ratio Lower Upper

101 100

103 63.9 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU034978.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034978.D (-233) (-)

1.87

80000

60000

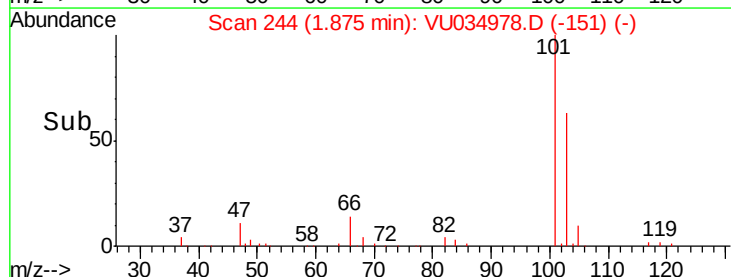
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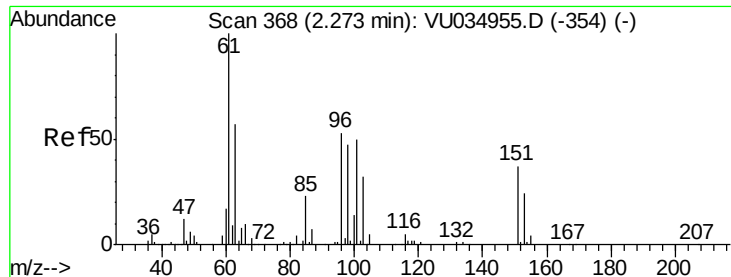
20000

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Time-->

1.80 1.85 1.90 1.95





#10

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

Concen: 5.076 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

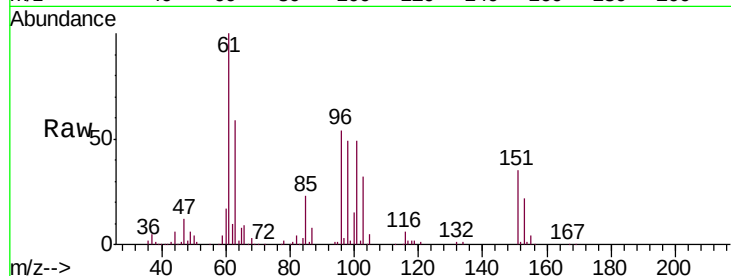
Tgt Ion: 101 Resp: 61413

Ion Ratio Lower Upper

101 100

85 46.5 36.7 55.1

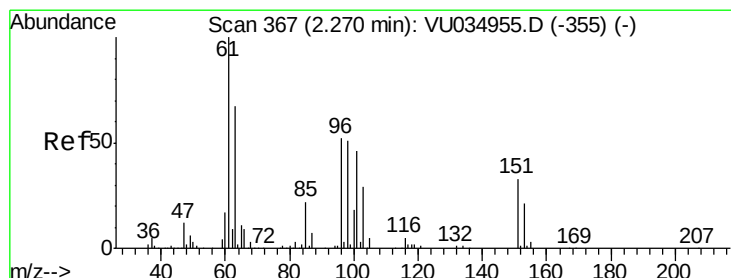
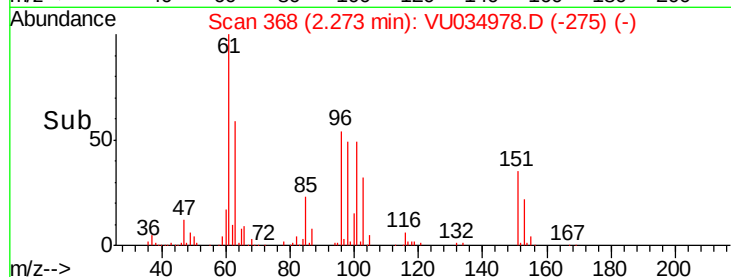
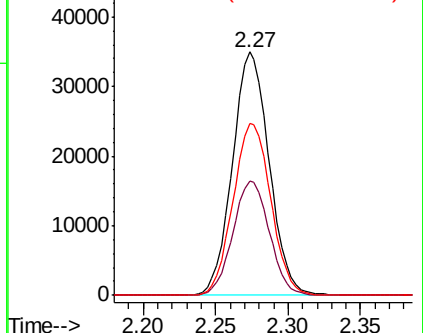
151 72.7 56.9 85.3



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: 5.206 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

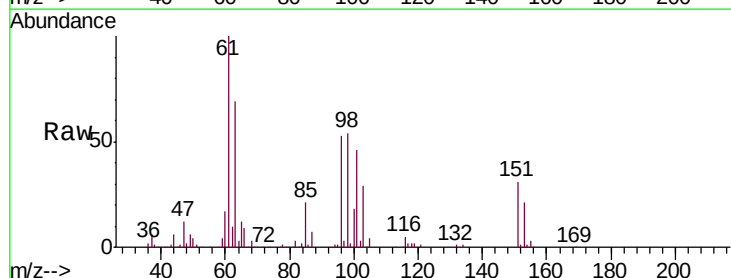
Tgt Ion: 96 Resp: 59166

Ion Ratio Lower Upper

96 100

61 189.2 132.6 246.2

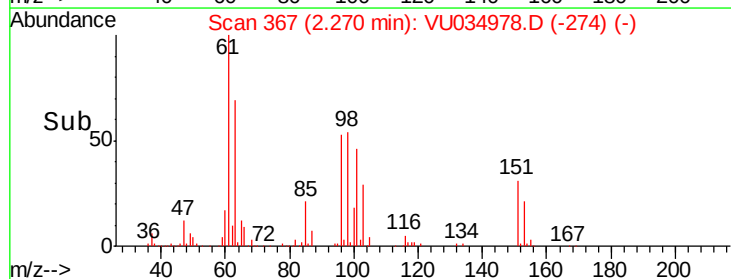
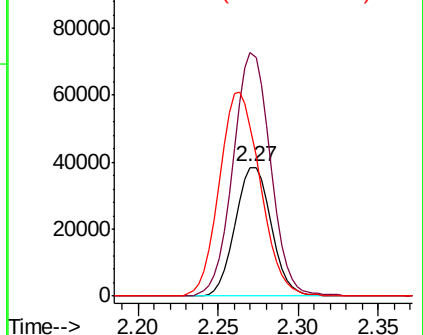
63 131.5 94.3 175.1

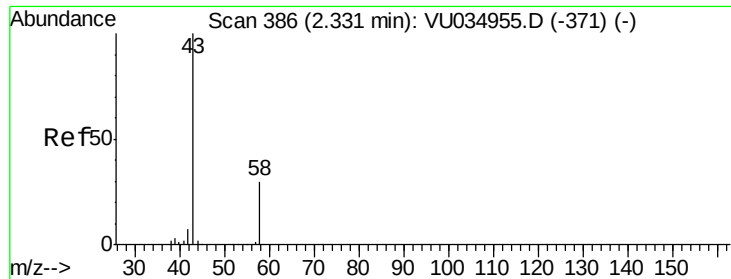


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.218 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

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ClientSampleId :

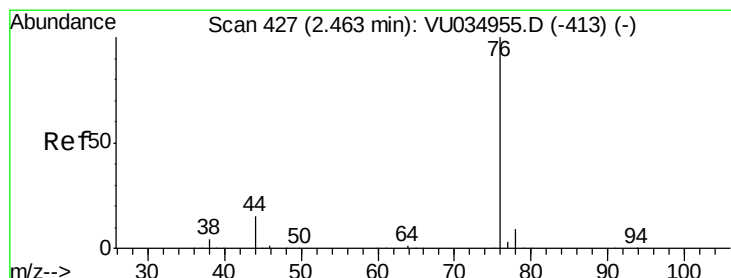
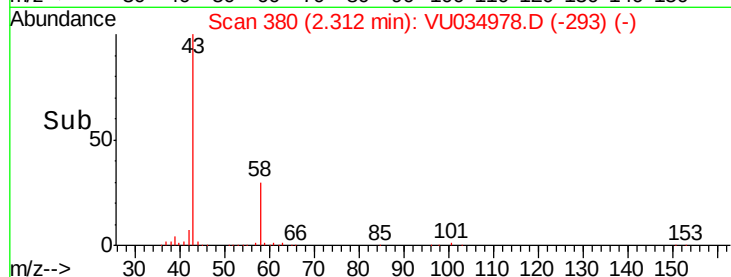
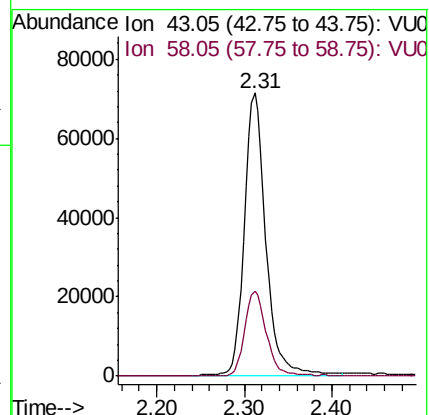
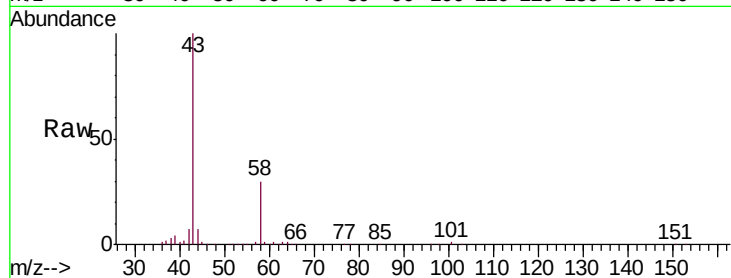
VSTD00529

Tgt Ion: 43 Resp: 121640

Ion Ratio Lower Upper

43 100

58 30.6 0.0 60.8



#14

Carbon disulfide

Concen: 4.999 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034978.D

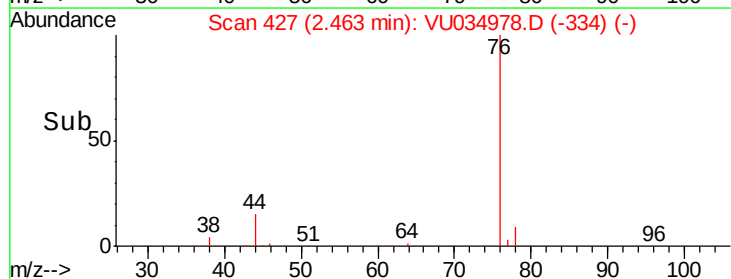
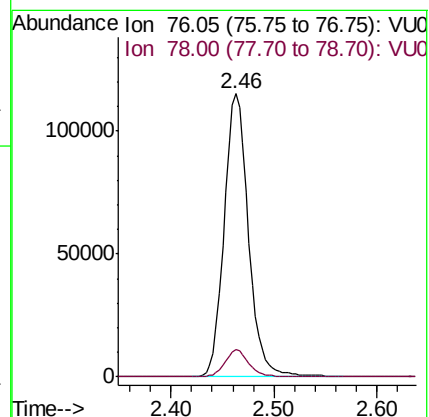
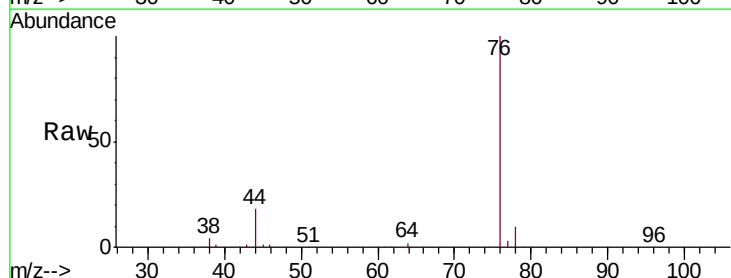
Acq: 07 Oct 2019 22:40

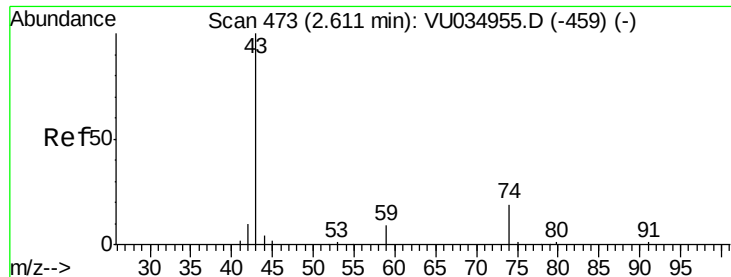
Tgt Ion: 76 Resp: 189091

Ion Ratio Lower Upper

76 100

78 9.5 6.9 10.3





#15

Methyl Acetate

Concen: 4.784 ug/L

RT: 2.60 min Scan# 471

Delta R.T. -0.01 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

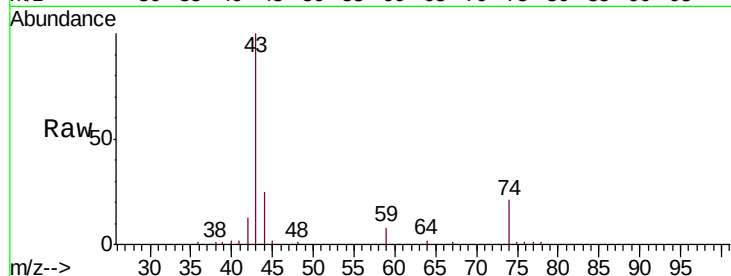
VSTD00529

Tgt Ion: 43 Resp: 32127

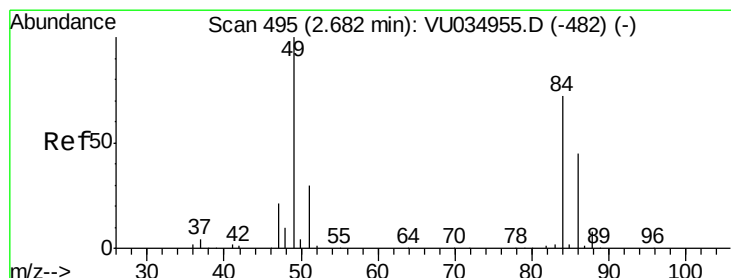
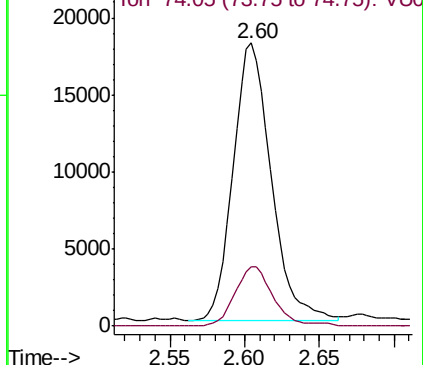
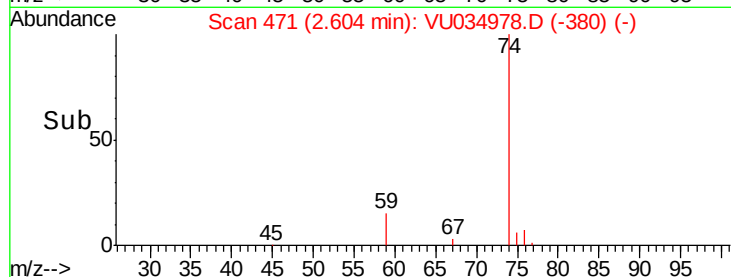
Ion Ratio Lower Upper

43 100

74 20.8 17.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU034978.D (-380) (-)



#16

Methylene chloride

Concen: 5.133 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

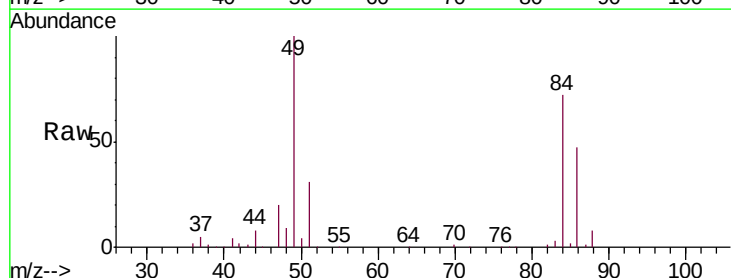
Tgt Ion: 84 Resp: 72218

Ion Ratio Lower Upper

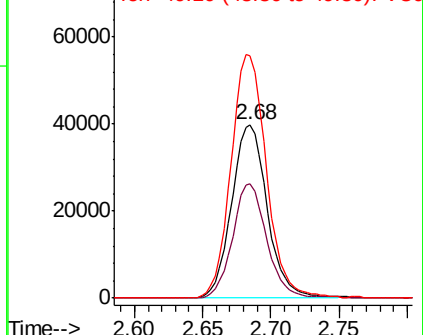
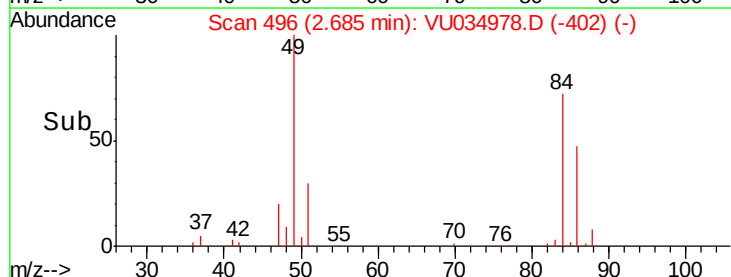
84 100

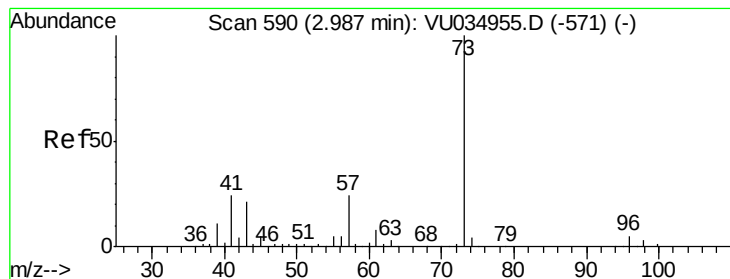
86 66.2 46.3 86.1

49 139.5 101.4 188.4



Abundance Ion 84.05 (83.75 to 84.75): VU034978.D (-402) (-)





#17

Methyl tert-butyl Ether

Concen: 5.209 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

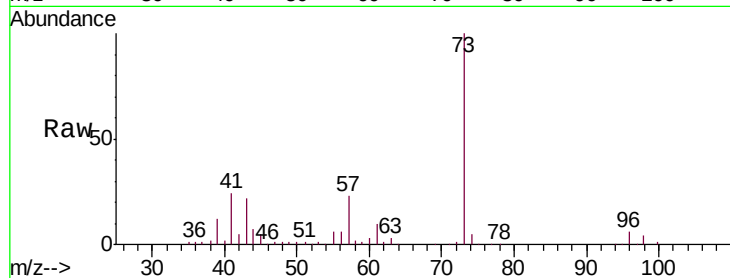
Tgt Ion: 73 Resp: 161518

Ion Ratio Lower Upper

73 100

43 21.7 17.4 26.0

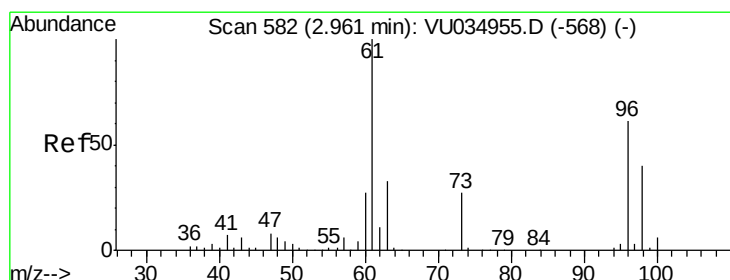
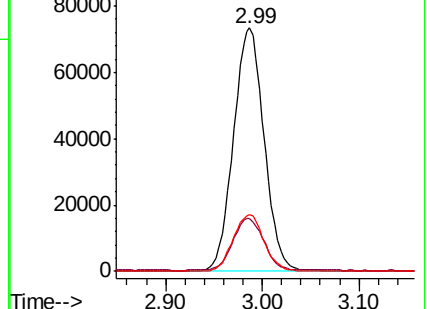
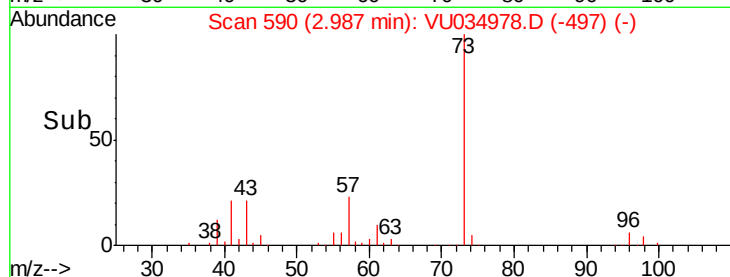
57 23.3 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU034978.D (-497) (-)

Ion 43.05 (42.75 to 43.75): VU034978.D (-497) (-)

Ion 57.10 (56.80 to 57.80): VU034978.D (-497) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.211 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

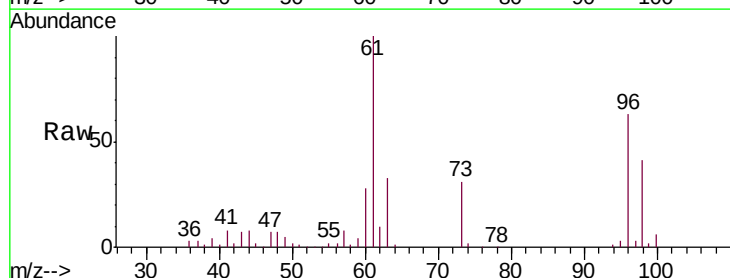
Tgt Ion: 96 Resp: 63420

Ion Ratio Lower Upper

96 100

61 158.8 112.3 208.7

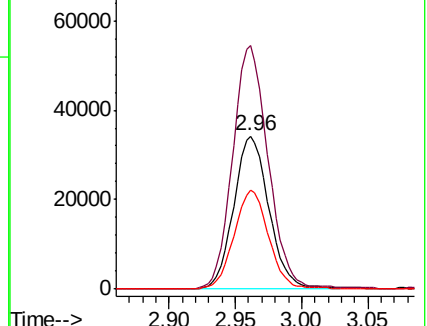
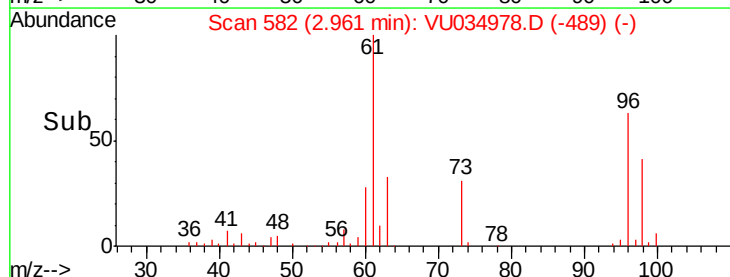
98 64.9 43.5 80.9

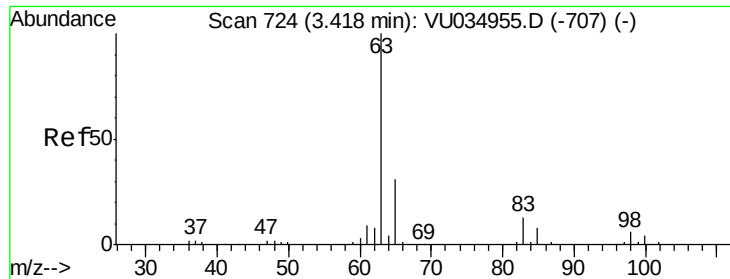


Abundance Ion 96.00 (95.70 to 96.70): VU034978.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU034978.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU034978.D (-489) (-)





#19

1,1-Dichloroethane

Concen: 5.237 ug/L

RT: 3.42 min Scan# 724

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

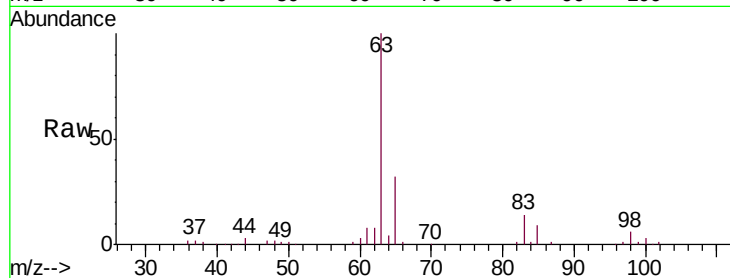
Tgt Ion: 63 Resp: 126685

Ion Ratio Lower Upper

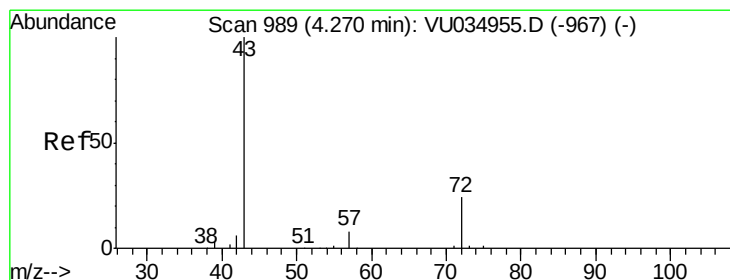
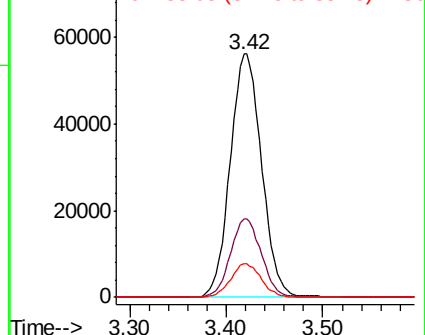
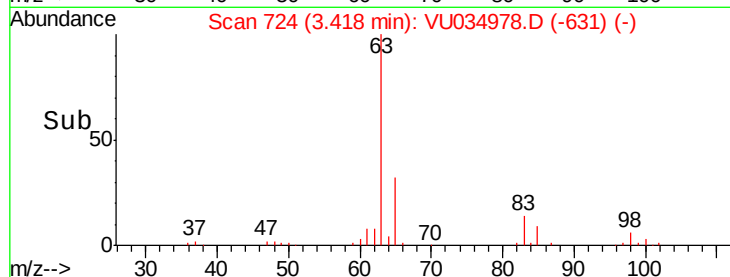
63 100

65 32.1 20.4 38.0

83 14.1 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU034978.D (-631) (-)



#21

2-Butanone

Concen: 50.328 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.02 min

Lab File: VU034978.D

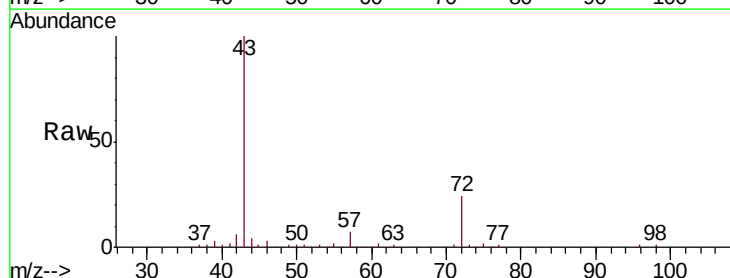
Acq: 07 Oct 2019 22:40

Tgt Ion: 43 Resp: 180805

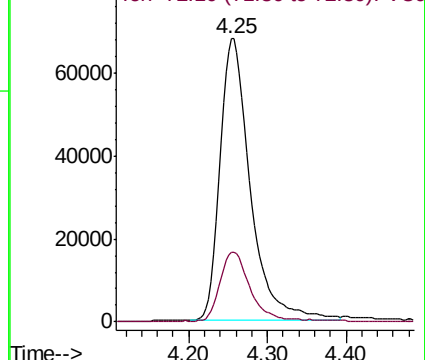
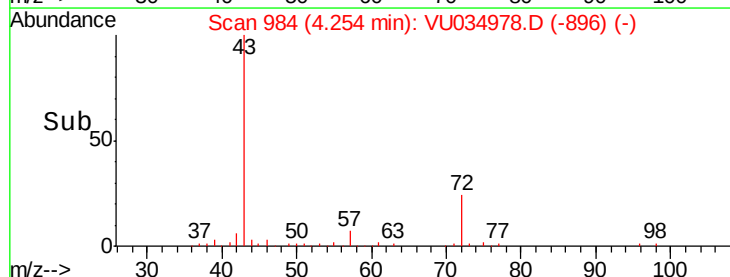
Ion Ratio Lower Upper

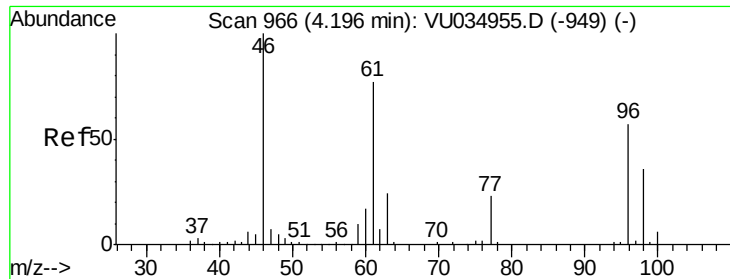
43 100

72 24.1 12.0 36.0



Abundance Ion 43.05 (42.75 to 43.75): VU034978.D (-896) (-)



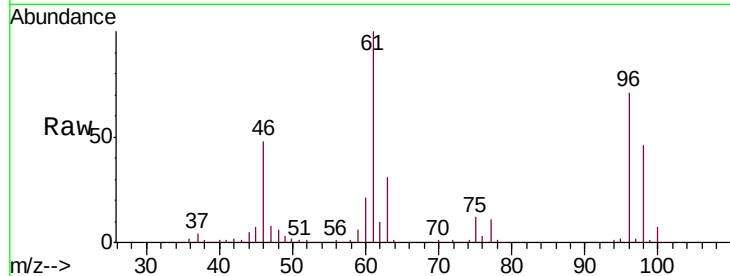


#22

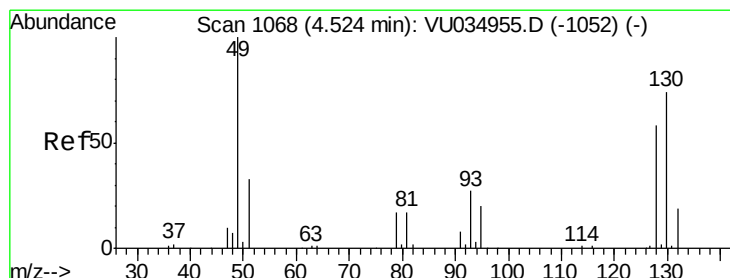
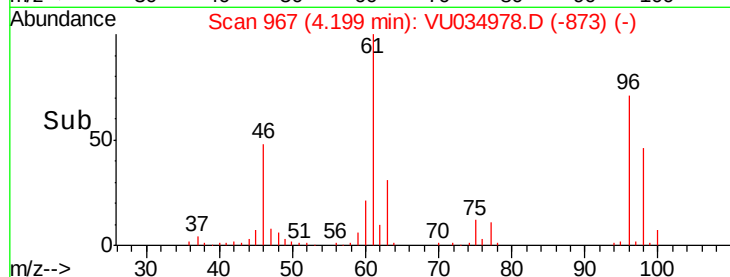
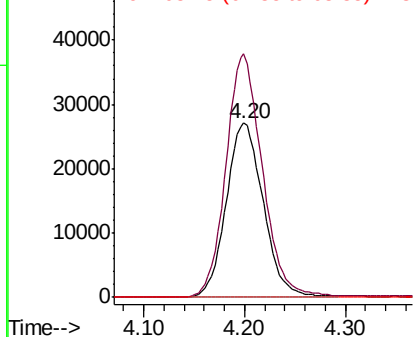
cis-1,2-Dichloroethene
Concen: 5.107 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034978.D
Acq: 07 Oct 2019 22:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tgt Ion: 96 Resp: 69333
Ion Ratio Lower Upper
96 100
61 139.9 96.4 179.0
68 0.0 0.0 0.0



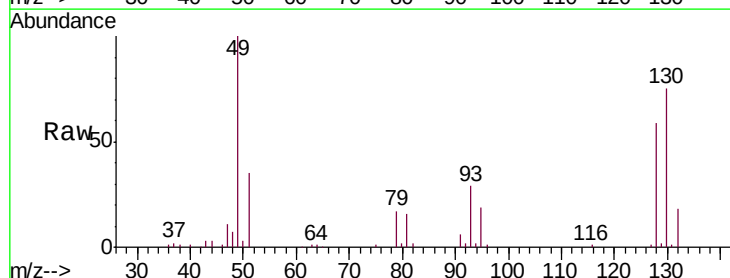
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



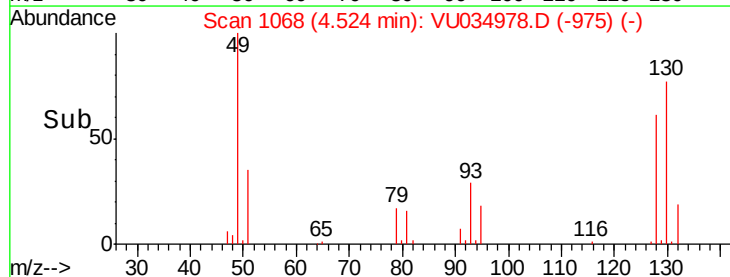
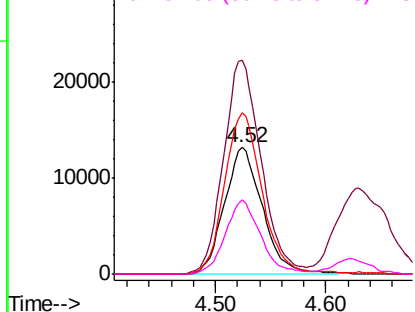
#23

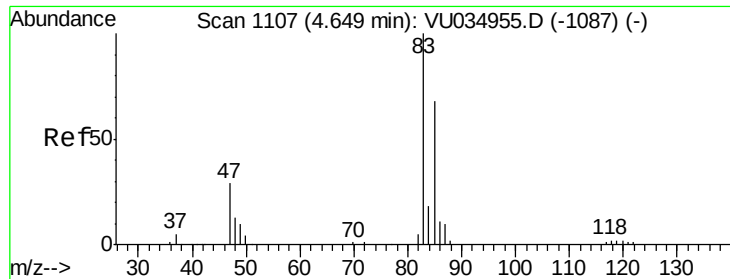
Bromochloromethane
Concen: 5.493 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034978.D
Acq: 07 Oct 2019 22:40

Tgt Ion: 128 Resp: 31251
Ion Ratio Lower Upper
128 100
49 168.6 116.0 215.4
130 126.9 86.4 160.4
51 58.6 41.6 62.4



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

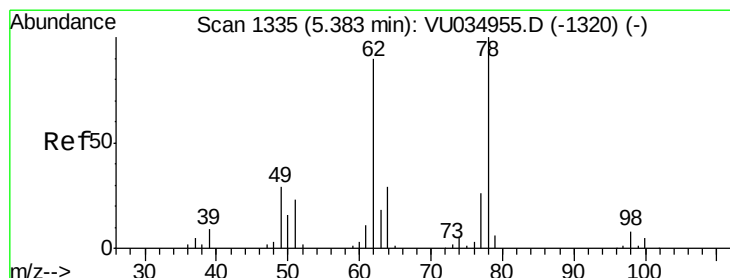
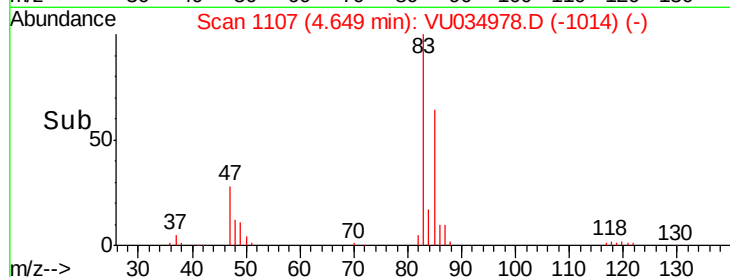
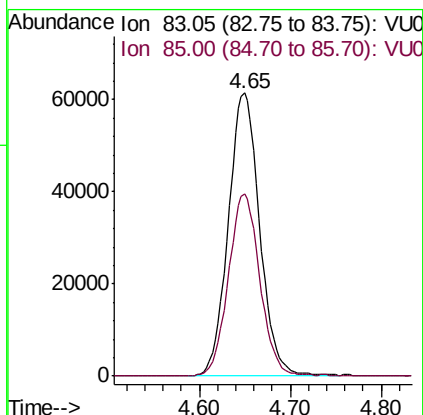
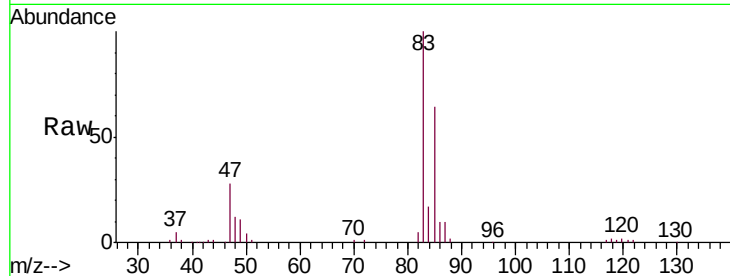




#25
Chloroform
Concen: 5.423 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034978.D
Acq: 07 Oct 2019 22:40

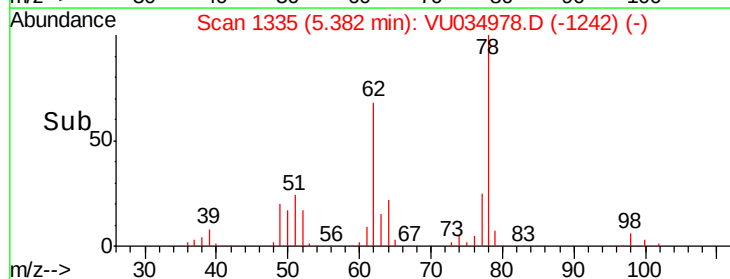
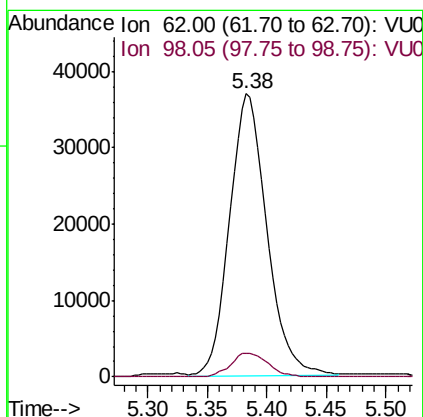
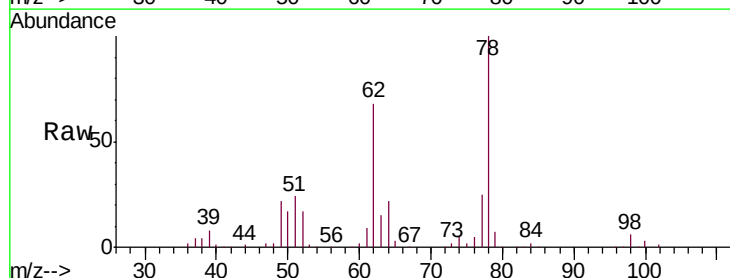
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

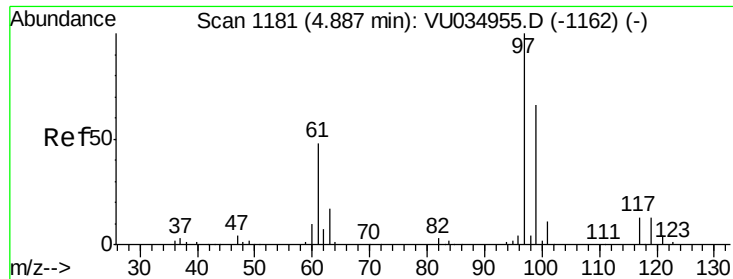
Tgt Ion: 83 Resp: 147373
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.050 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034978.D
Acq: 07 Oct 2019 22:40

Tgt Ion: 62 Resp: 80160
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2

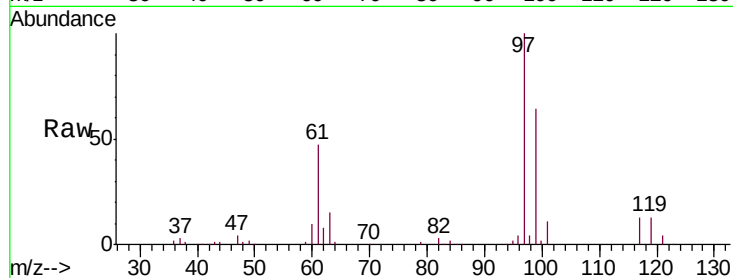




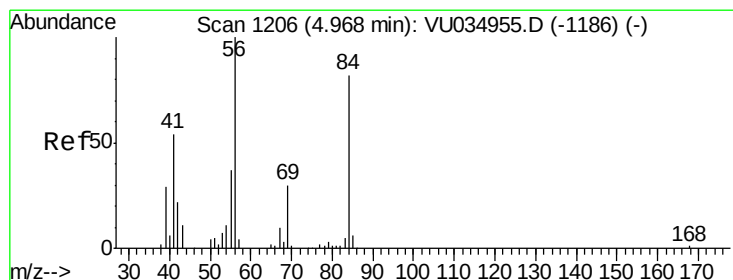
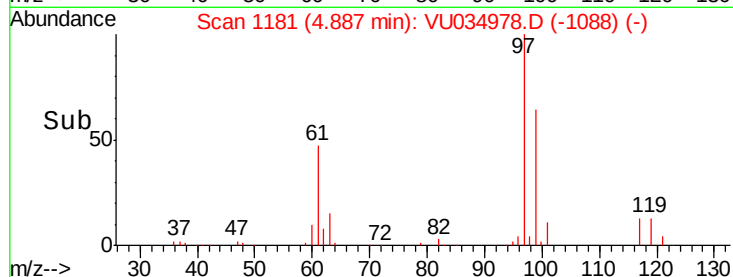
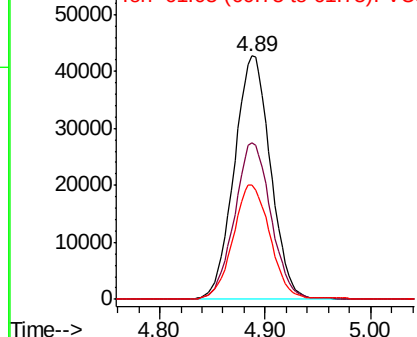
#29
 1,1,1-Trichloroethane
 Concen: 5.052 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tgt Ion: 97 Resp: 102089
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.3 78.5
 61 47.9 39.0 58.4

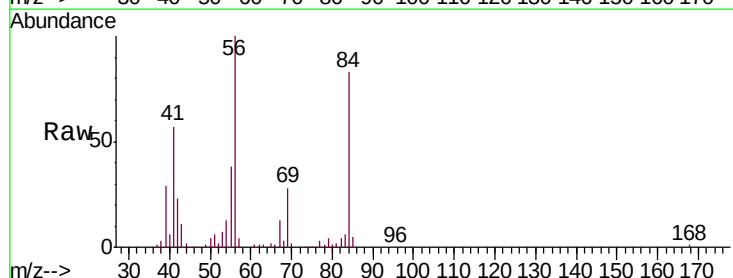


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

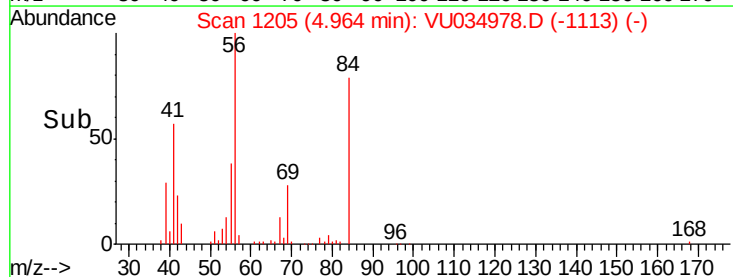
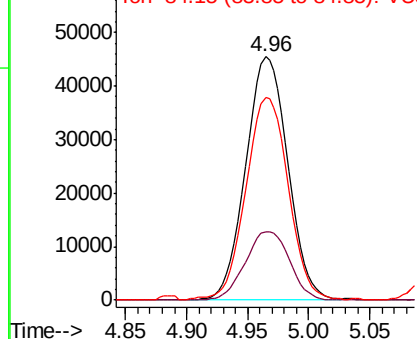


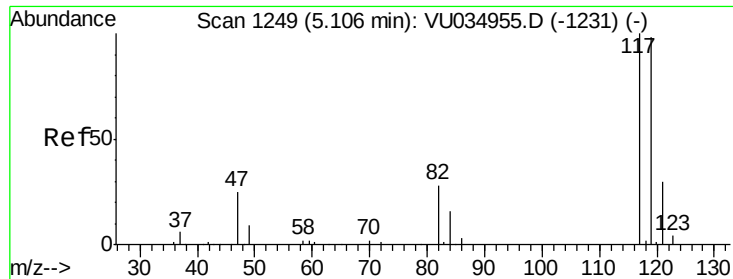
#30
 Cyclohexane
 Concen: 4.893 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

Tgt Ion: 56 Resp: 108718
 Ion Ratio Lower Upper
 56 100
 69 29.6 23.4 35.0
 84 84.1 66.2 99.2



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: 5.080 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

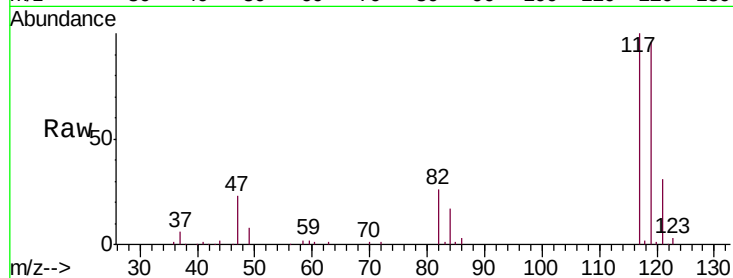
VSTD00529

Tgt Ion:117 Resp: 89022

Ion Ratio Lower Upper

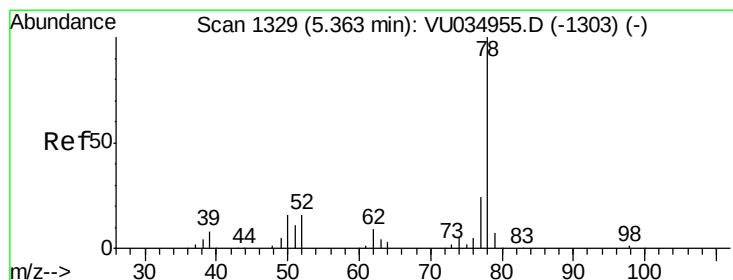
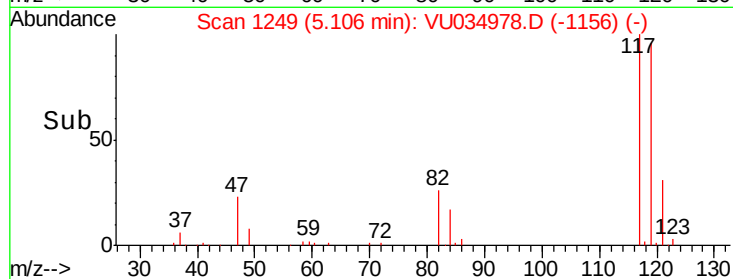
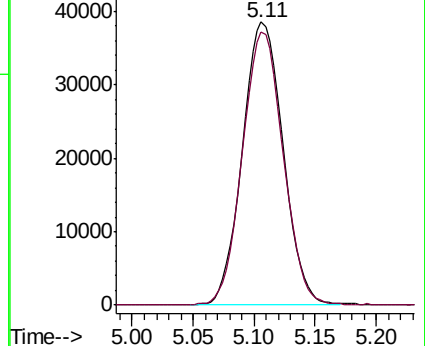
117 100

119 96.5 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.083 ug/L

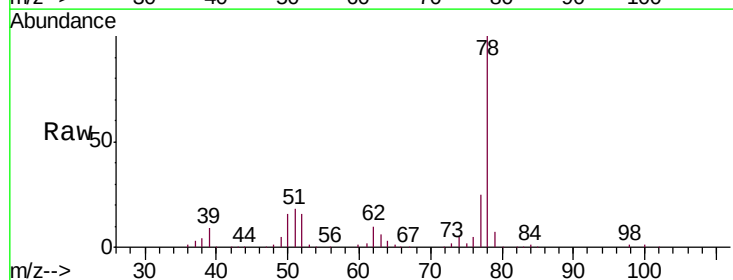
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Tgt Ion: 78 Resp: 275510



Abundance Ion 78.10 (77.80 to 78.80): VU0

150000

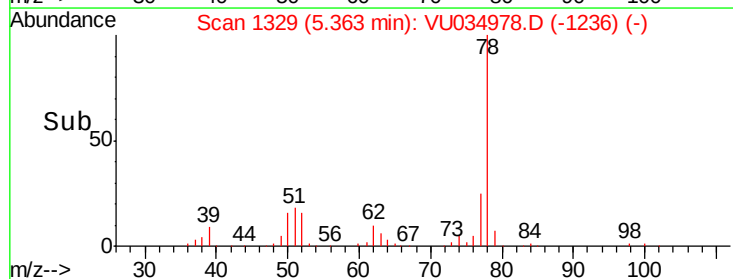
100000

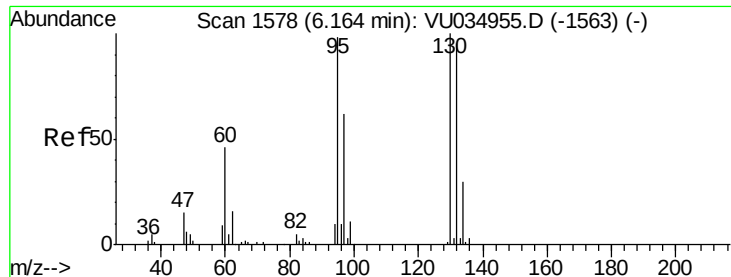
50000

0

Time-->

5.20 5.30 5.40 5.50





#34

Trichloroethene

Concen: 5.015 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tgt Ion: 95 Resp: 70101

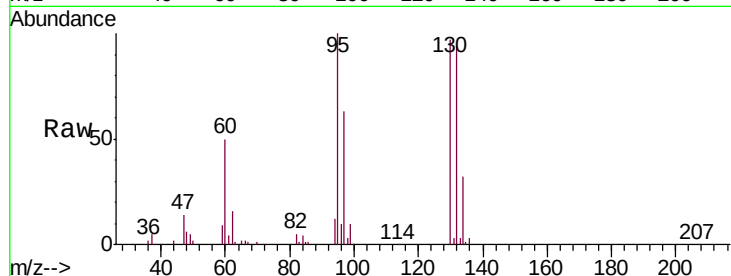
Ion Ratio Lower Upper

95 100

97 63.4 42.5 78.9

132 93.6 65.8 122.2

130 97.4 65.0 120.8

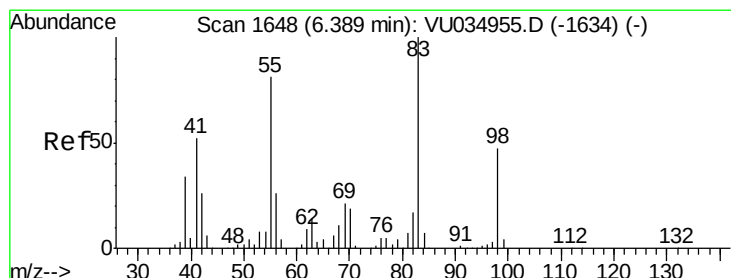
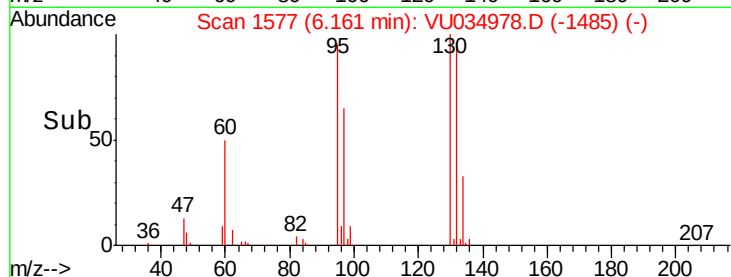
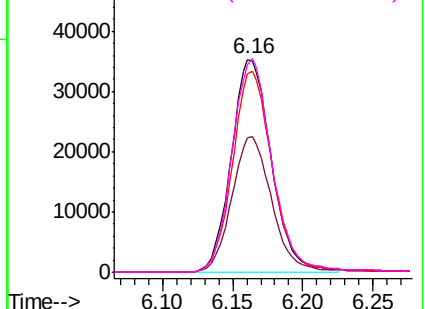


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.881 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

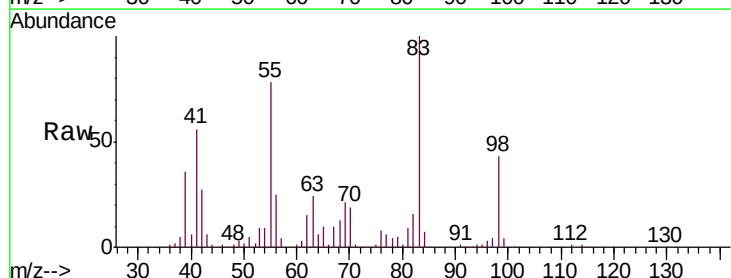
Tgt Ion: 83 Resp: 110498

Ion Ratio Lower Upper

83 100

55 79.2 62.4 93.6

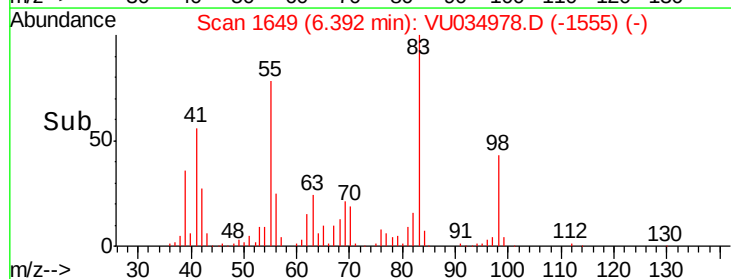
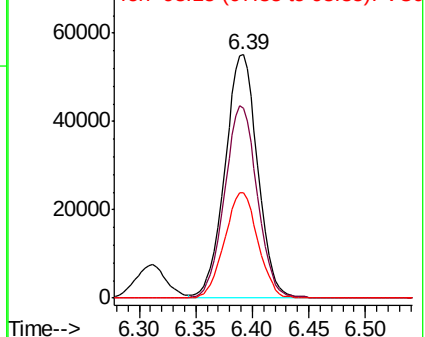
98 44.2 35.5 53.3

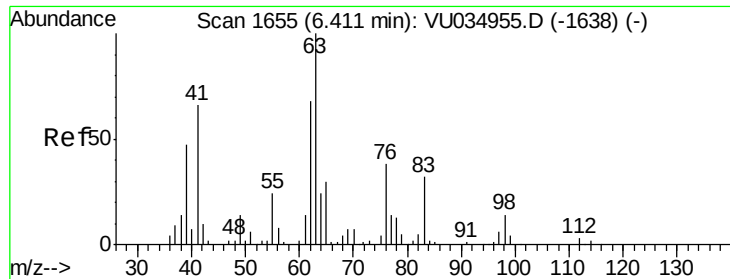


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

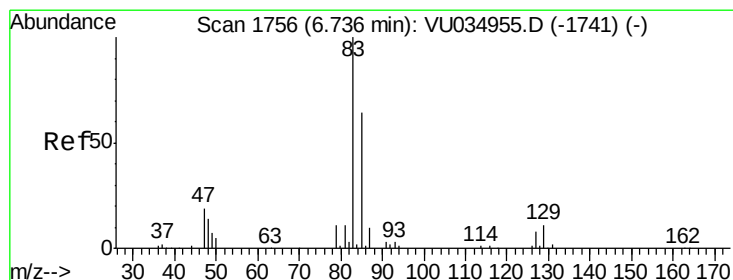
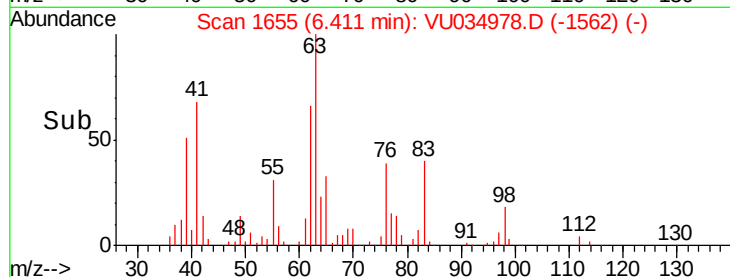
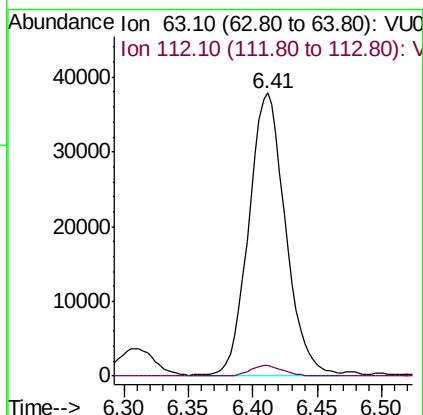
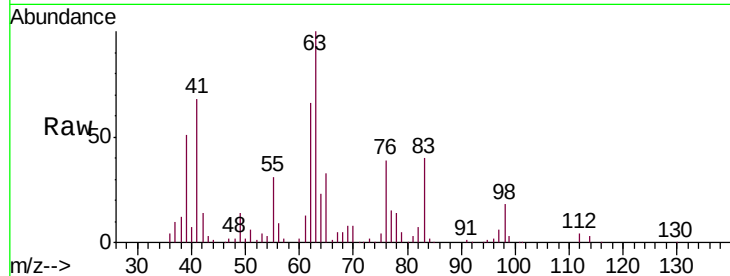




#37
 1,2-Dichloropropane
 Concen: 5.113 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

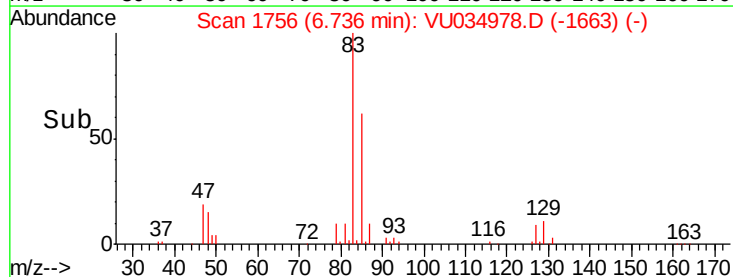
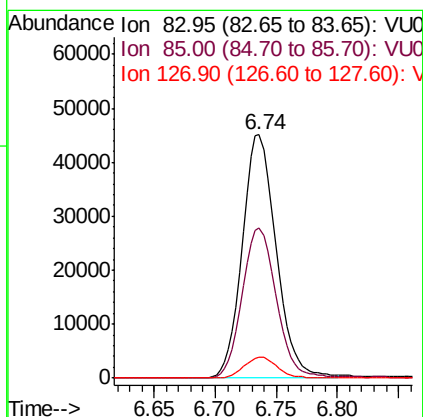
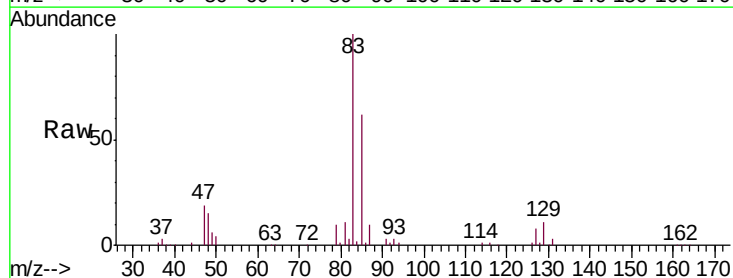
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

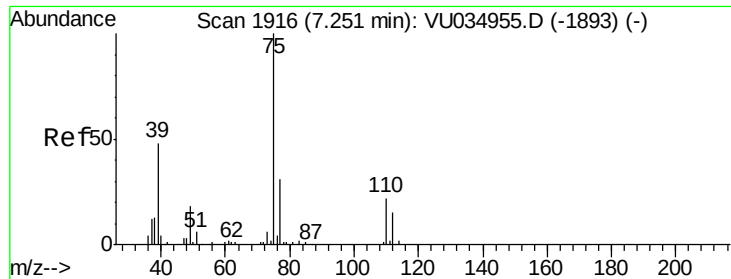
Tgt Ion: 63 Resp: 74759
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.051 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

Tgt Ion: 83 Resp: 86571
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.3 84.1
 127 8.4 6.6 10.0

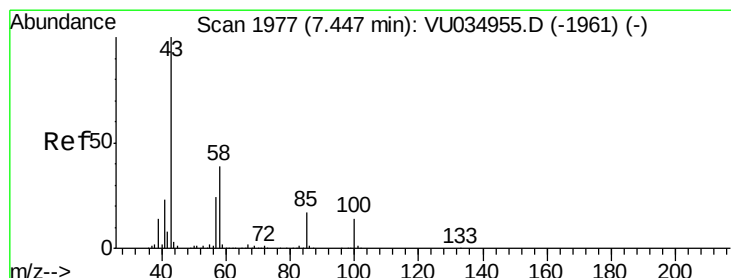
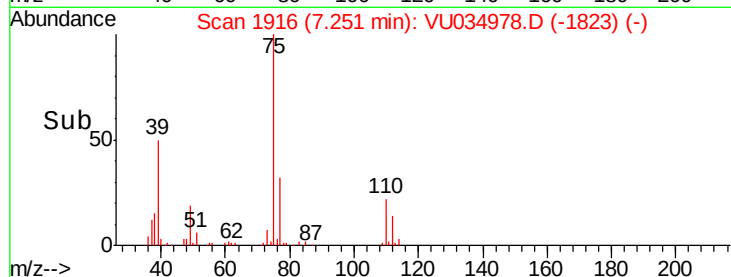
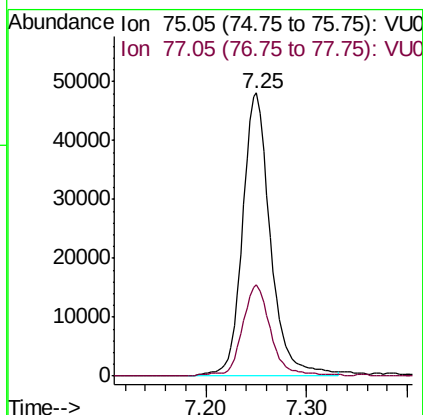
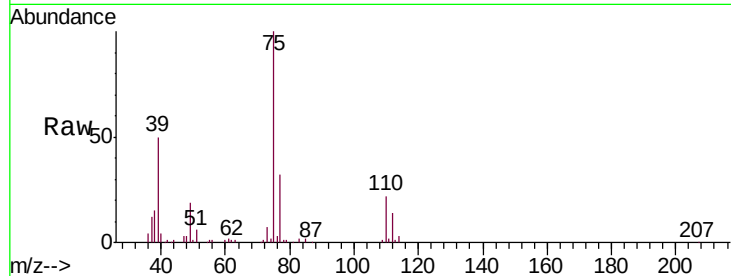




#39
 cis-1,3-Dichloropropene
 Concen: 4.650 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

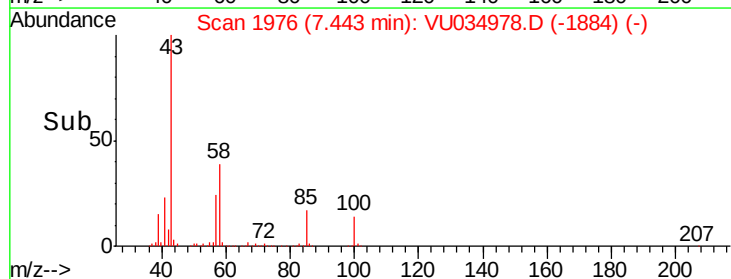
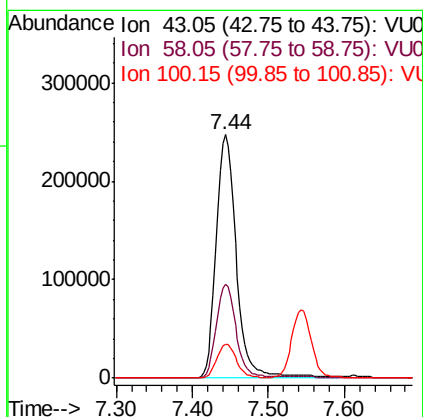
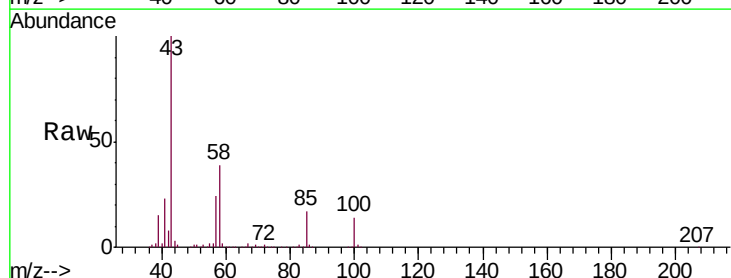
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00529

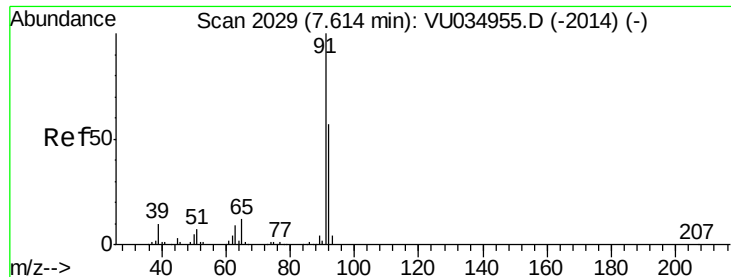
Tgt Ion: 75 Resp: 92096
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 49.602 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

Tgt Ion: 43 Resp: 456419
 Ion Ratio Lower Upper
 43 100
 58 37.5 31.1 46.7
 100 13.6 11.0 16.4





#42

Toluene

Concen: 5.311 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

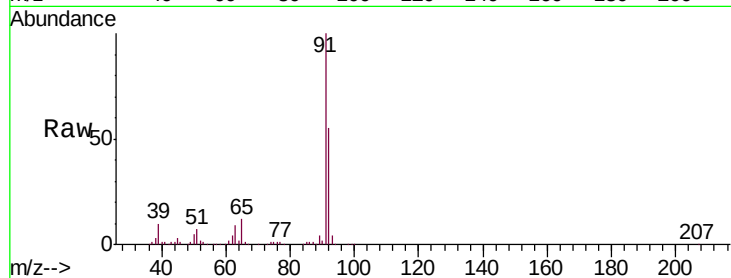
VSTD00529

Tgt Ion: 91 Resp: 300460

Ion Ratio Lower Upper

91 100

92 55.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU034955.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034978.D (-1936) (-)

7.61

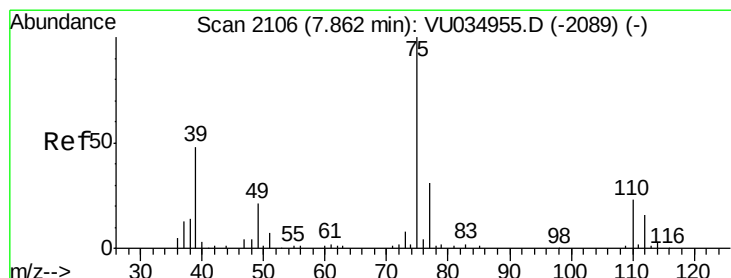
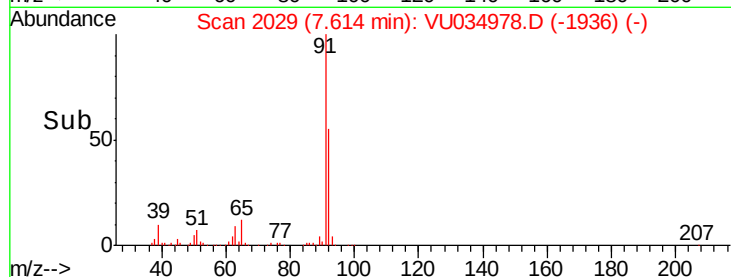
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.757 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034978.D

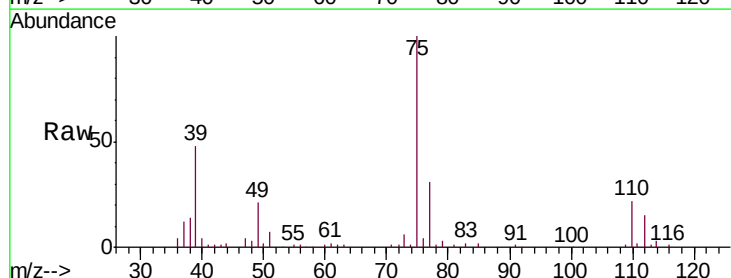
Acq: 07 Oct 2019 22:40

Tgt Ion: 75 Resp: 72970

Ion Ratio Lower Upper

75 100

77 30.7 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU034955.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU034978.D (-2103) (-)

7.86

40000

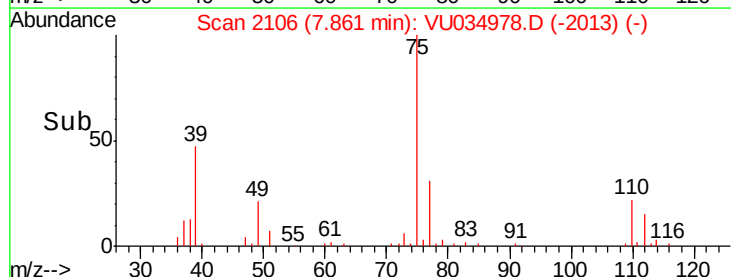
30000

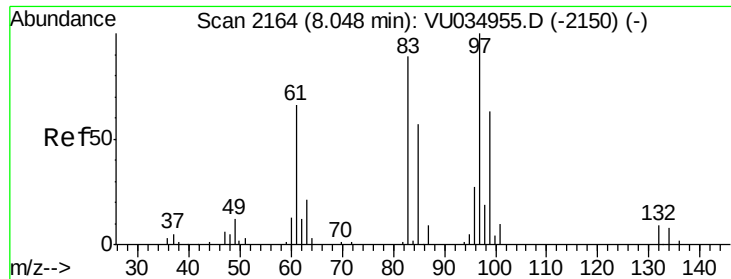
20000

10000

0

Time-->

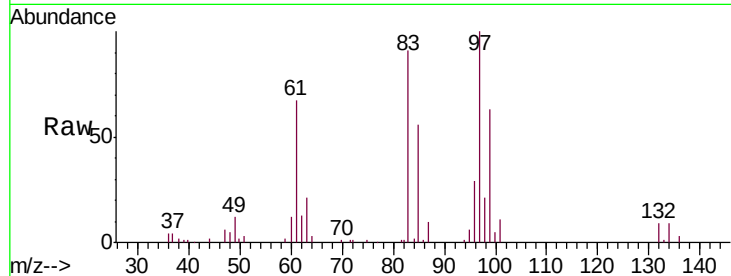




#45
 1,1,2-Trichloroethane
 Concen: 5.058 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tgt Ion:	97	Resp:	49100
Ion	Ratio	Lower	Upper
97	100		
99	62.7	42.8	79.6
83	91.4	62.2	115.6
85	56.4	39.1	72.5



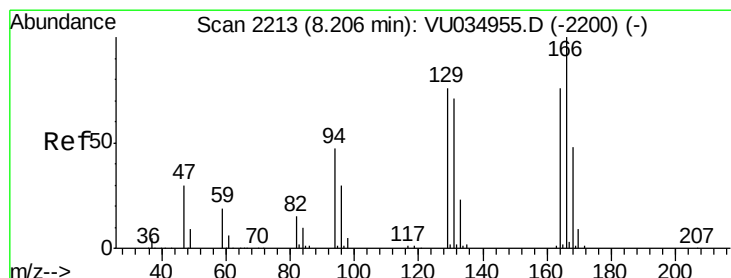
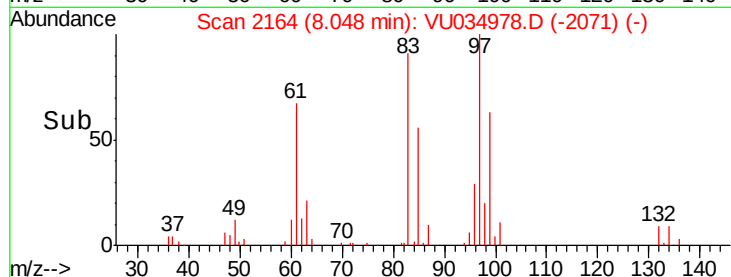
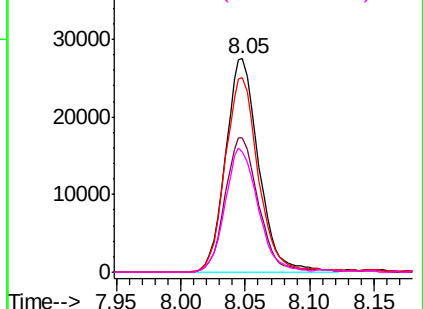
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

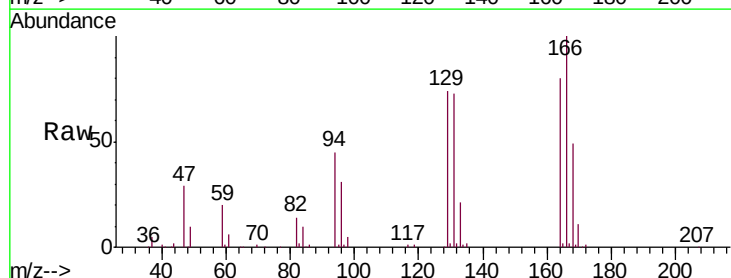
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.061 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

Tgt Ion:	164	Resp:	57259
Ion	Ratio	Lower	Upper
164	100		
129	91.9	66.5	123.5
131	90.7	63.3	117.7
166	124.3	91.6	170.2



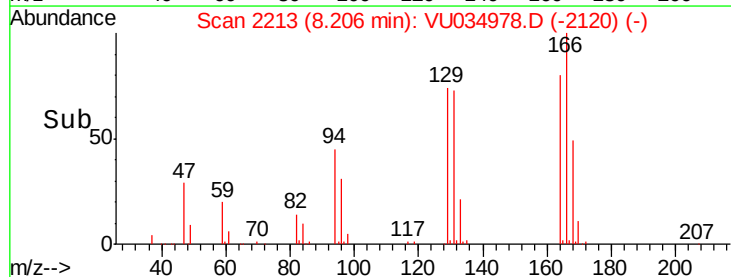
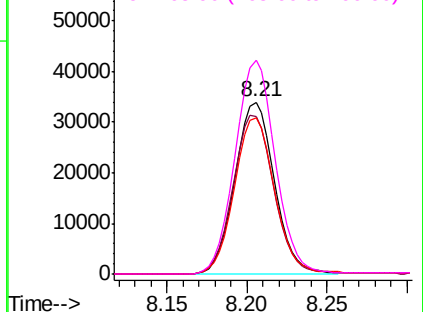
Abundance

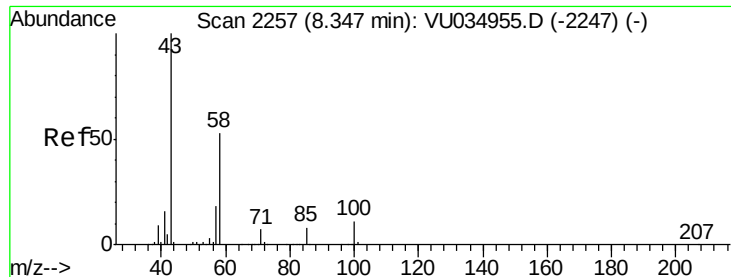
Ion 163.90 (163.60 to 164.60): V

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

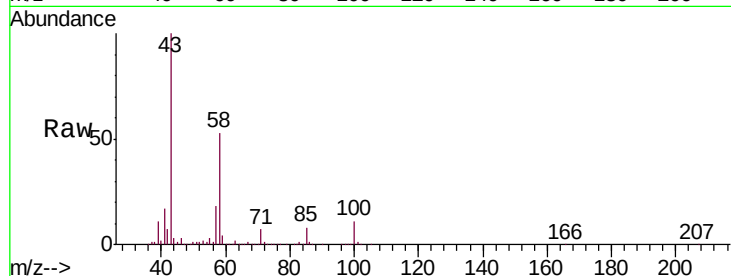




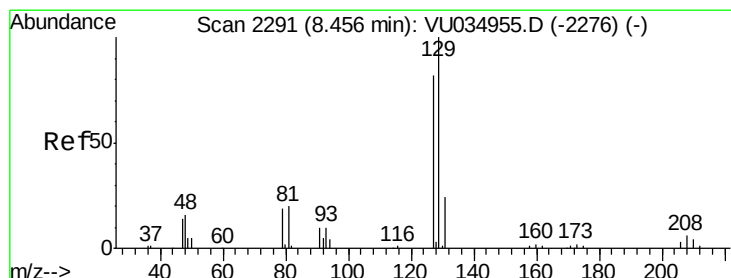
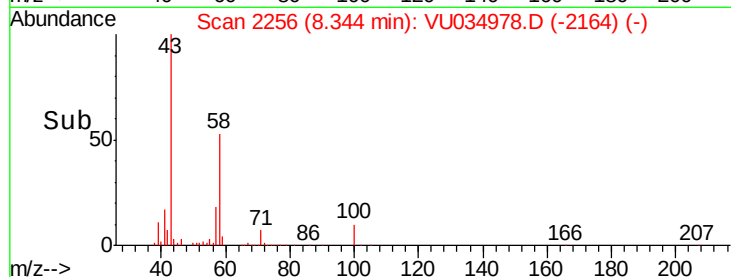
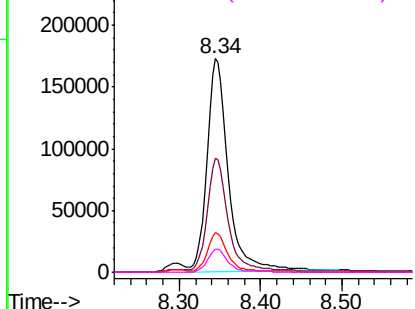
#48
2-Hexanone
Concen: 49.977 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034978.D
Acq: 07 Oct 2019 22:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tgt Ion: 43 Resp: 315308
Ion Ratio Lower Upper
43 100
58 53.5 43.3 64.9
57 17.9 14.5 21.7
100 10.8 8.6 12.8

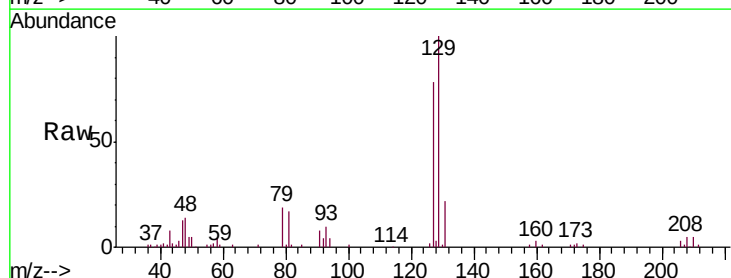


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

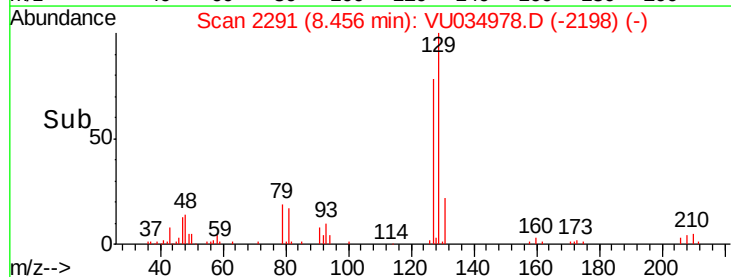
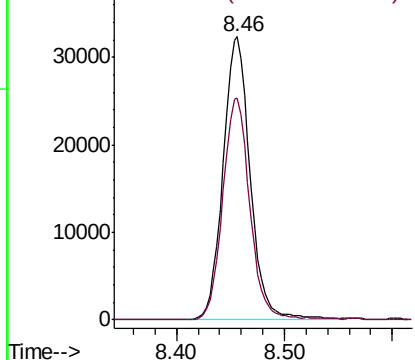


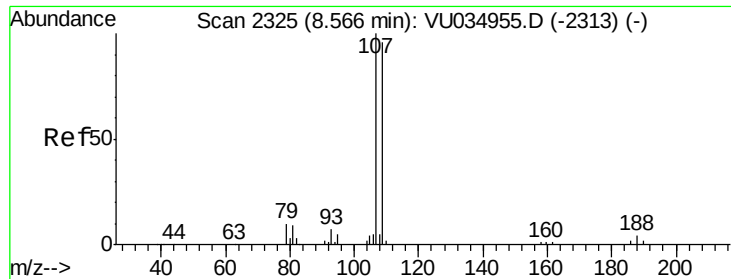
#49
Dibromochloromethane
Concen: 5.057 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034978.D
Acq: 07 Oct 2019 22:40

Tgt Ion: 129 Resp: 56746
Ion Ratio Lower Upper
129 100
127 78.4 51.2 95.0



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





#50

1,2-Dibromoethane

Concen: 5.084 ug/L

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

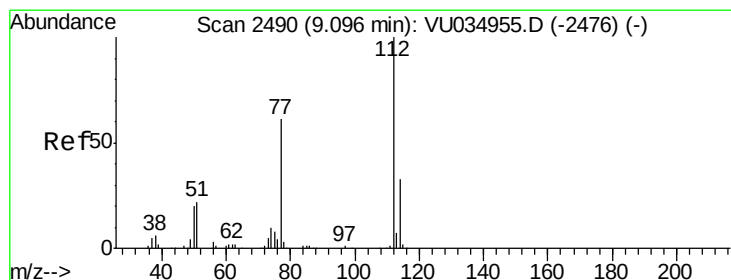
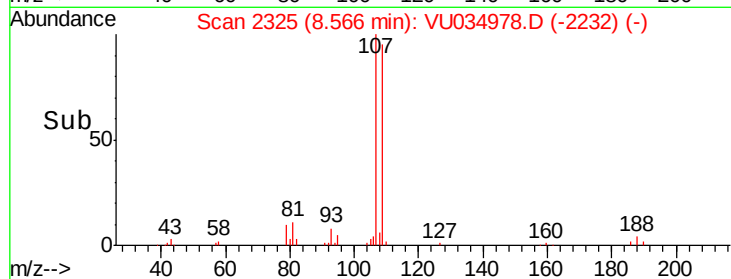
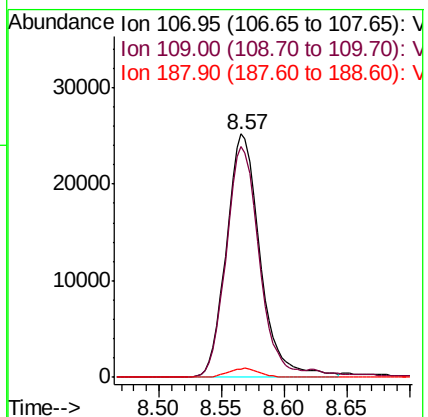
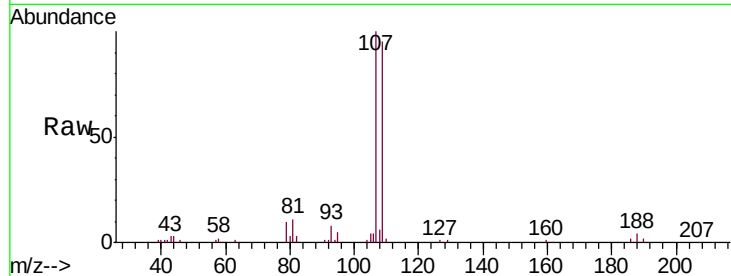
Tgt Ion:107 Resp: 47169

Ion Ratio Lower Upper

107 100

109 95.0 64.0 119.0

188 3.5 3.5 5.3#



#51

Chlorobenzene

Concen: 5.145 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

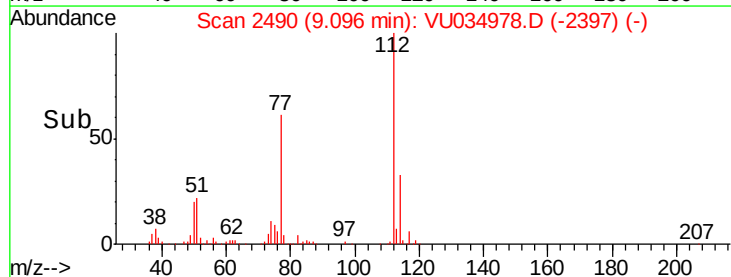
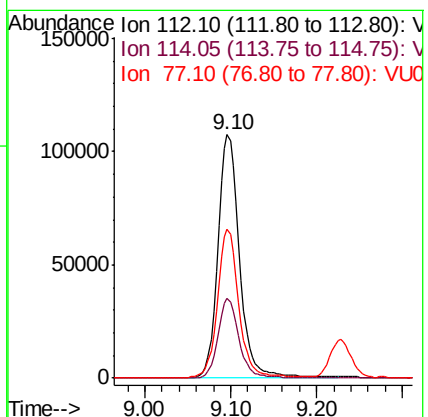
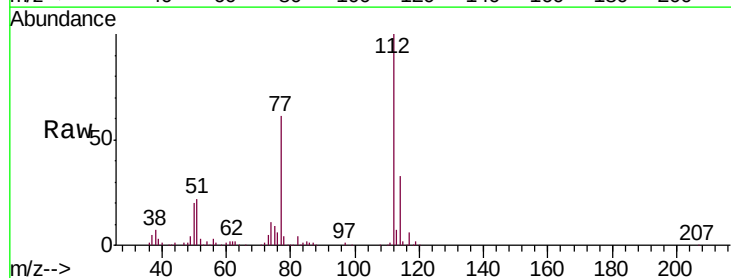
Tgt Ion:112 Resp: 188632

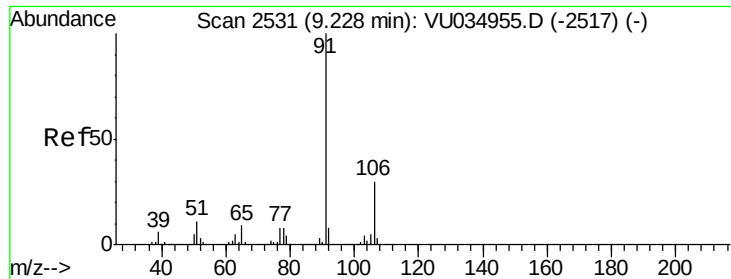
Ion Ratio Lower Upper

112 100

114 32.6 22.2 41.2

77 61.3 47.4 71.2





#52

Ethylbenzene

Concen: 5.118 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

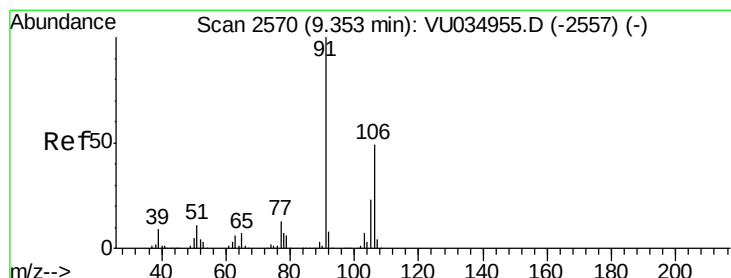
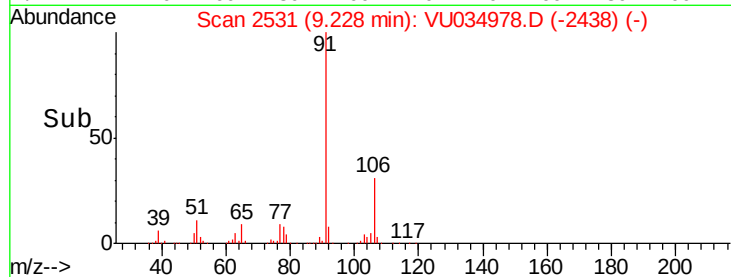
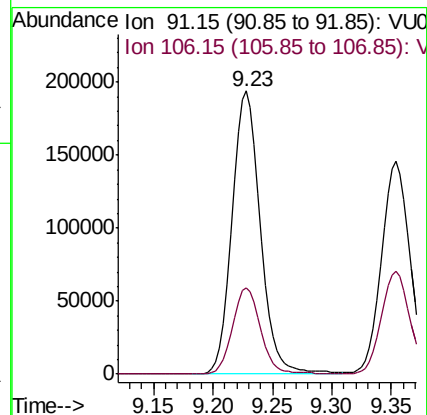
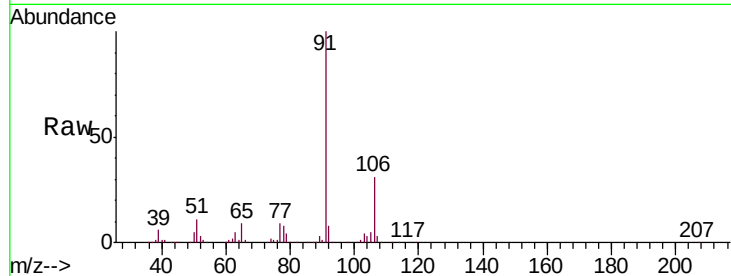
VSTD00529

Tgt Ion: 91 Resp: 319776

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



#53

m,p-Xylene

Concen: 5.216 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034978.D

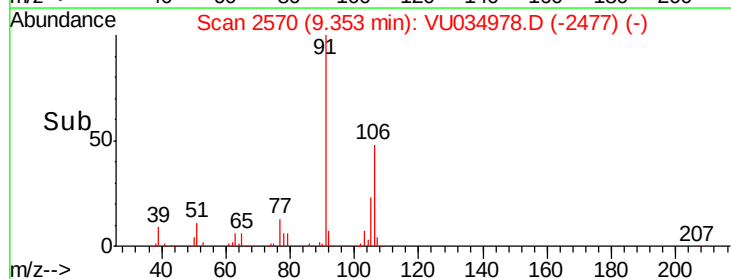
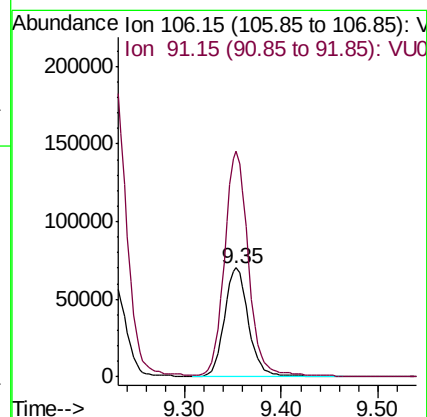
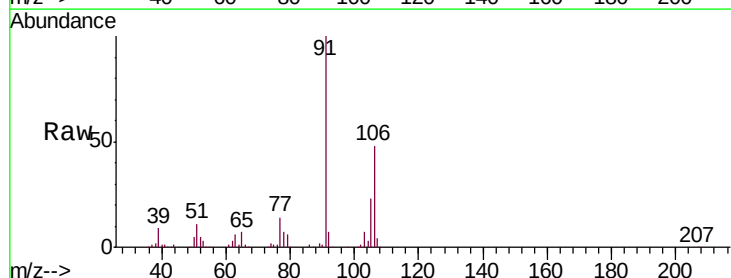
Acq: 07 Oct 2019 22:40

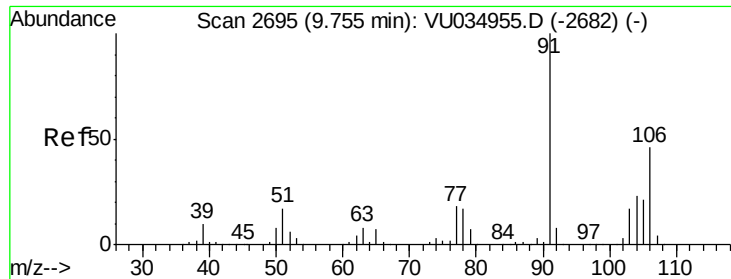
Tgt Ion: 106 Resp: 120402

Ion Ratio Lower Upper

106 100

91 207.9 143.1 265.9

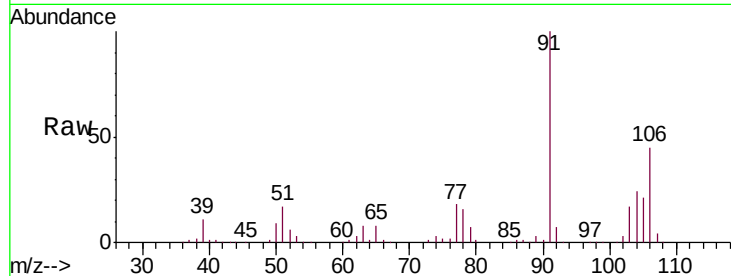




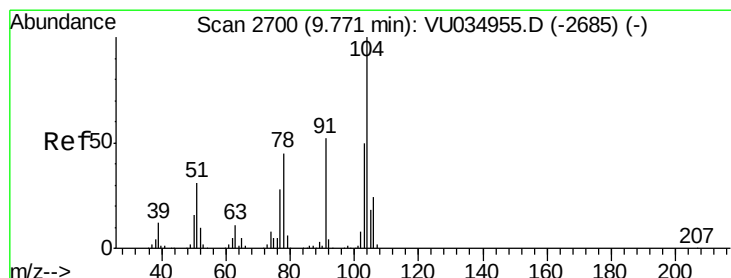
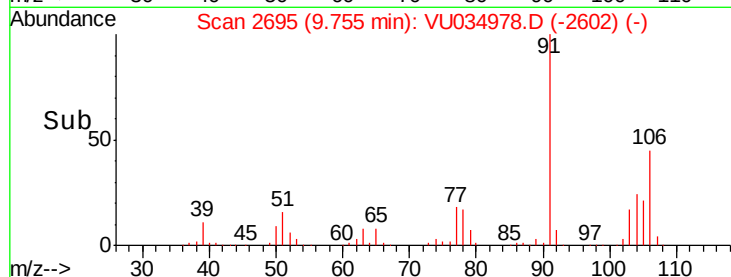
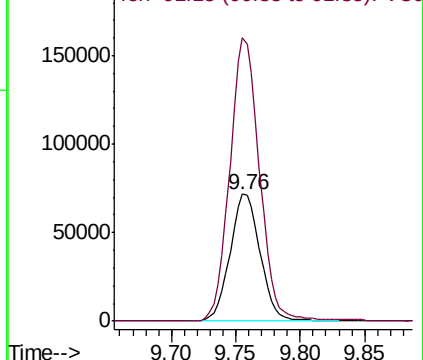
#54
o-Xylene
Concen: 5.170 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU034978.D
Acq: 07 Oct 2019 22:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tgt Ion:106 Resp: 116701
Ion Ratio Lower Upper
106 100
91 222.9 151.6 281.6

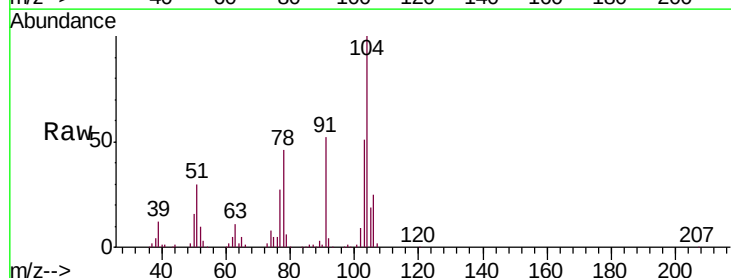


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

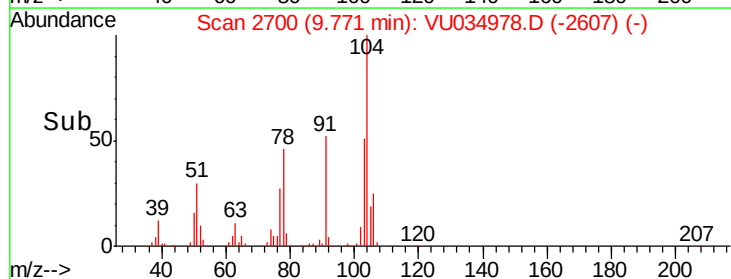
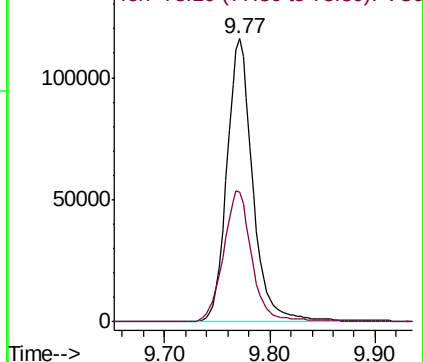


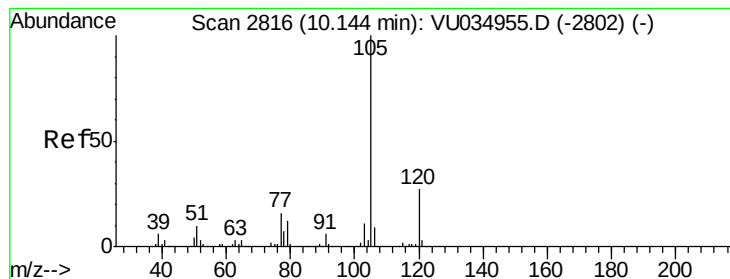
#55
Styrene
Concen: 5.390 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034978.D
Acq: 07 Oct 2019 22:40

Tgt Ion:104 Resp: 197041
Ion Ratio Lower Upper
104 100
78 45.8 32.7 60.7



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





#56

Isopropylbenzene

Concen: 5.193 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

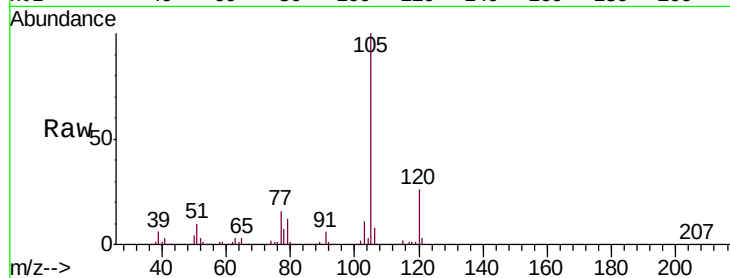
Tgt Ion: 105 Resp: 312293

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

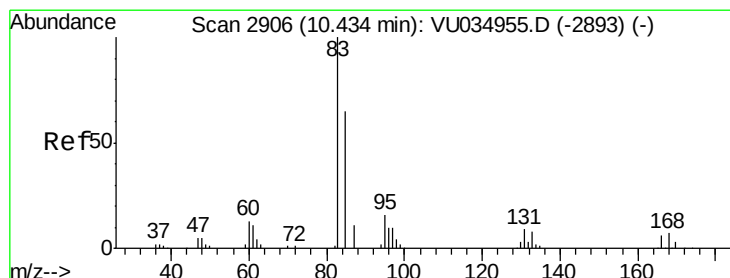
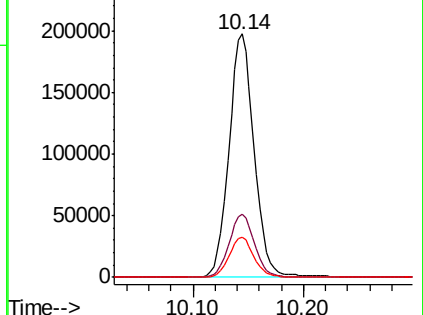
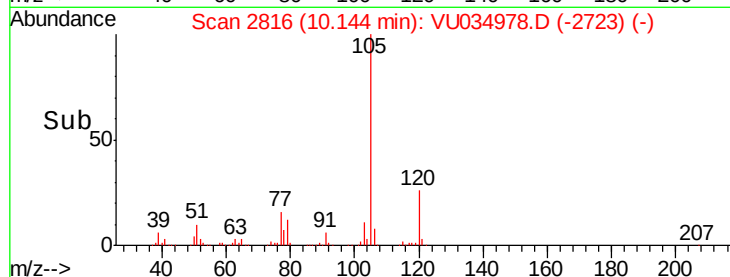
77 16.3 13.0 19.6



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: 5.048 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

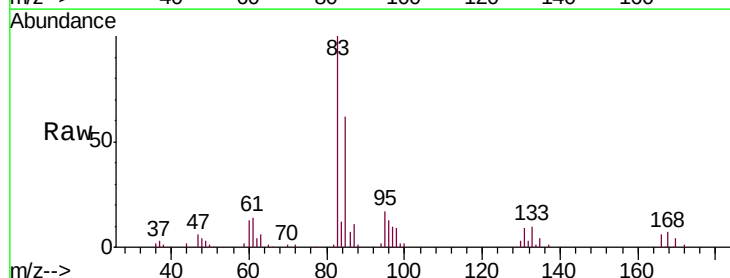
Tgt Ion: 83 Resp: 66646

Ion Ratio Lower Upper

83 100

85 62.4 45.0 83.6

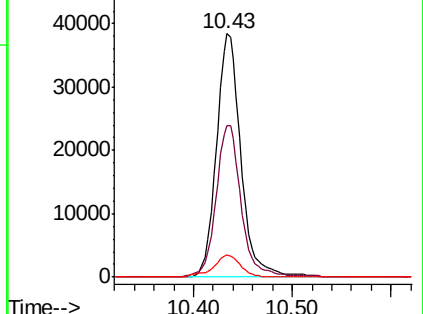
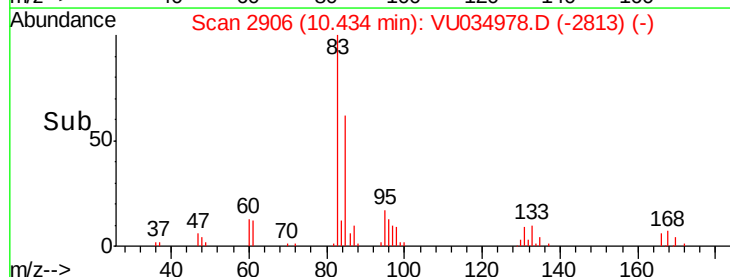
131 8.9 7.7 11.5

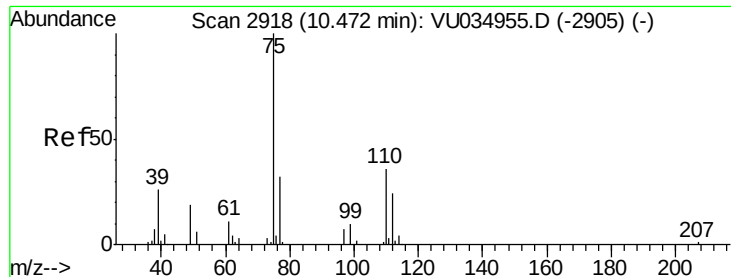


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

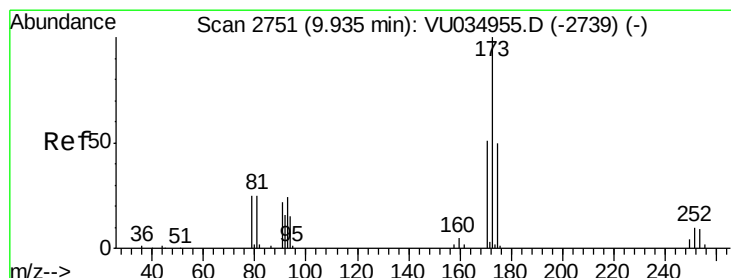
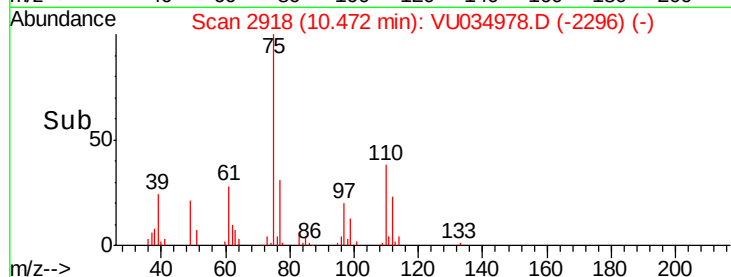
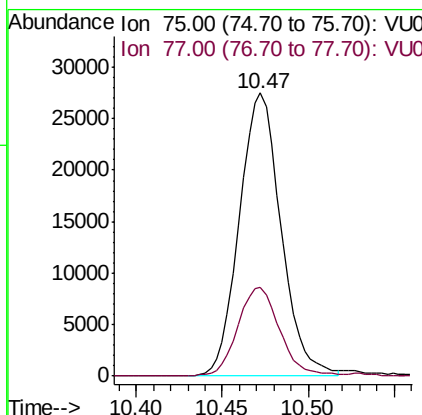
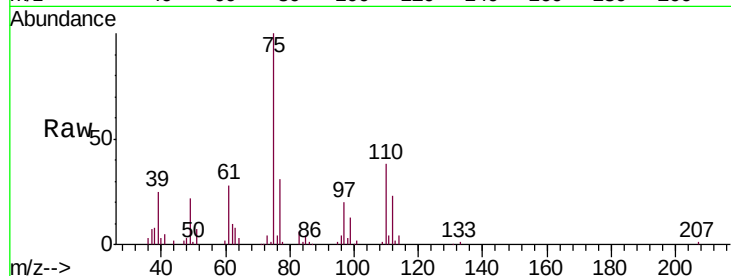




#59
 1,2,3-Trichloropropane
 Concen: 4.892 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

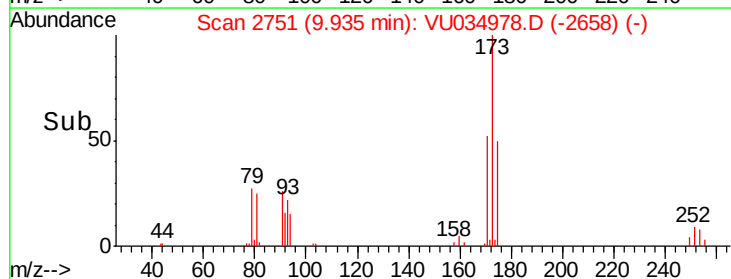
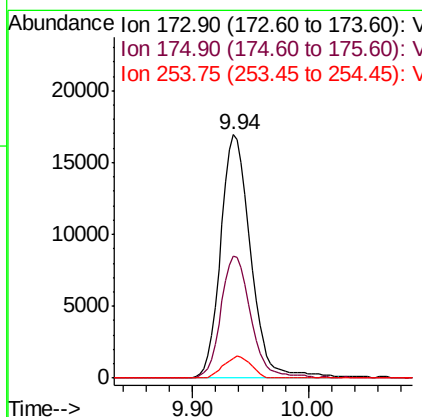
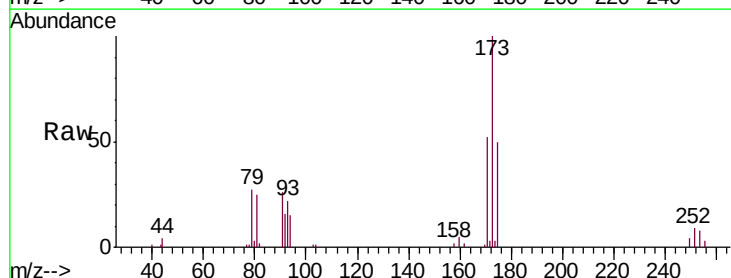
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

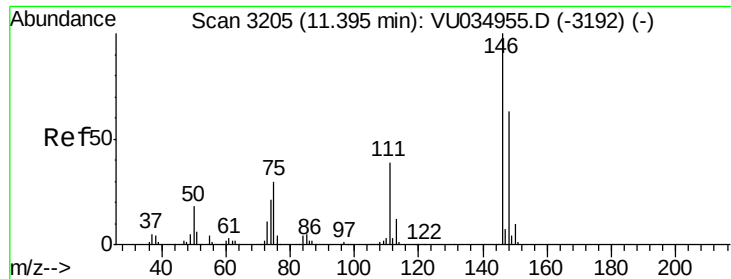
Tgt Ion: 75 Resp: 46291
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#61
 Bromoform
 Concen: 4.706 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: VU034978.D
 Acq: 07 Oct 2019 22:40

Tgt Ion: 173 Resp: 30404
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.2 58.8
 254 8.1 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 5.022 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

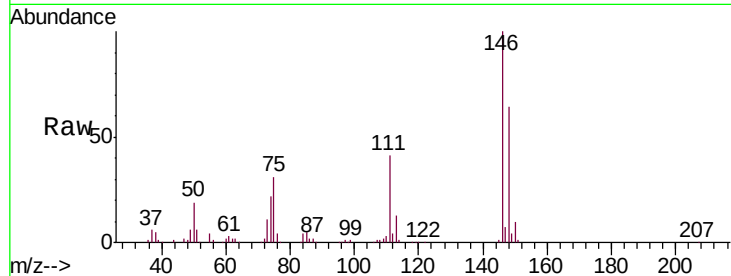
Tgt Ion:146 Resp: 145727

Ion Ratio Lower Upper

146 100

111 40.6 27.4 50.8

148 63.8 44.5 82.7

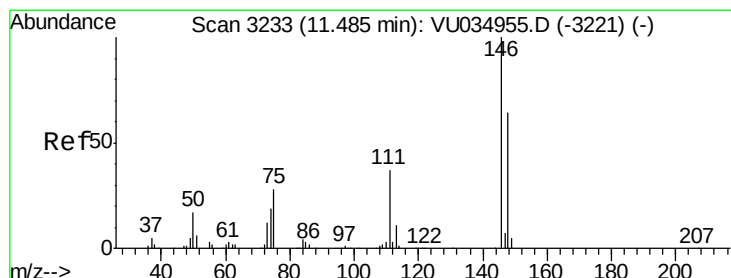
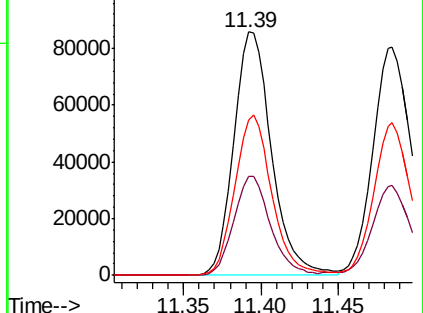
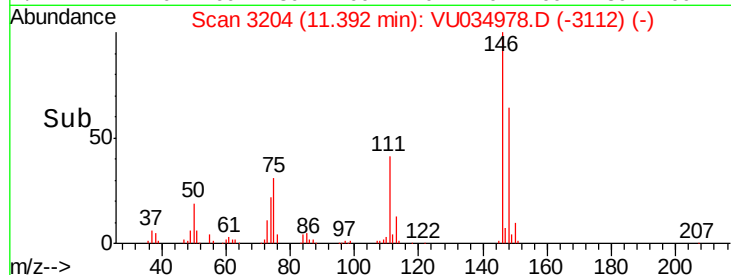


Abundance

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: 4.898 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

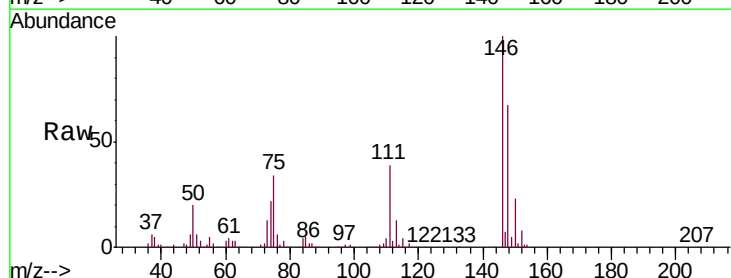
Tgt Ion:146 Resp: 143460

Ion Ratio Lower Upper

146 100

111 39.3 27.3 50.7

148 66.8 45.8 85.2

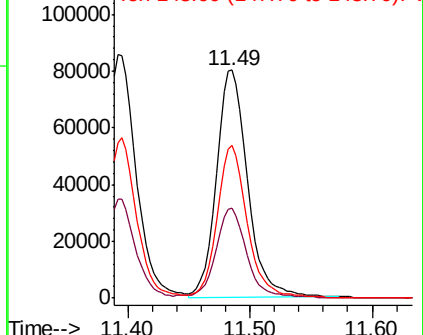
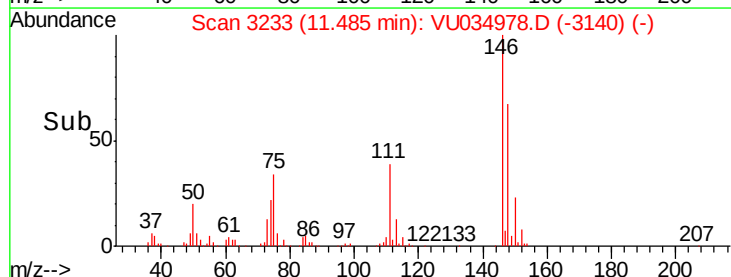


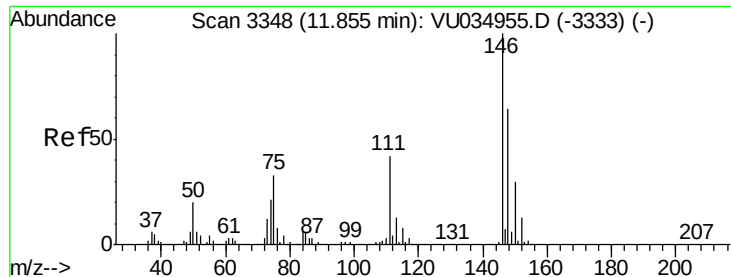
Abundance

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: 4.993 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

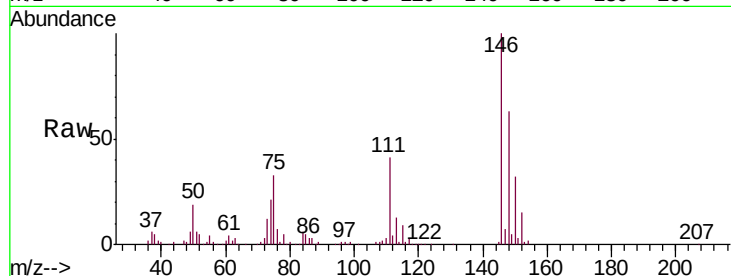
Tgt Ion:146 Resp: 139828

Ion Ratio Lower Upper

146 100

111 40.5 32.1 48.1

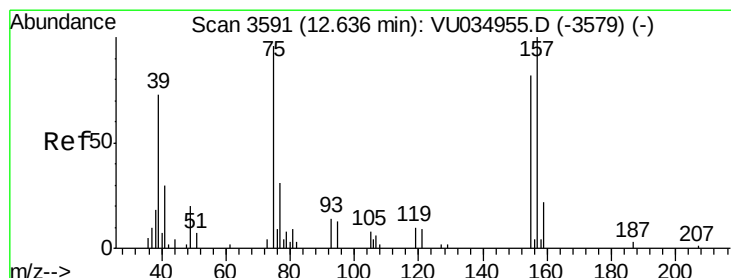
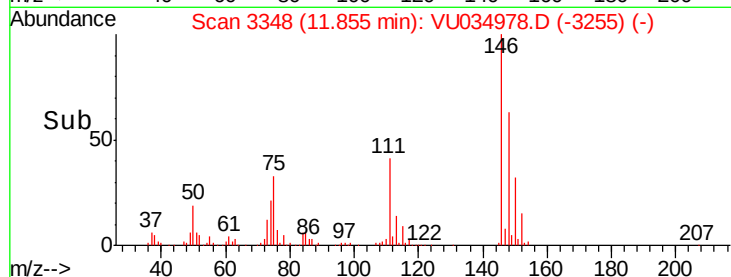
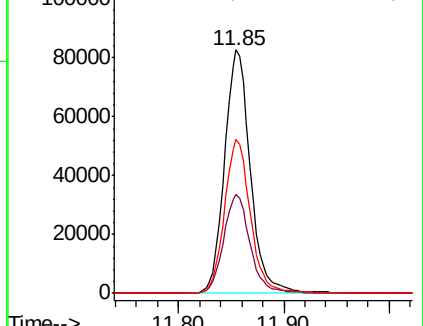
148 63.0 49.2 73.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.598 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

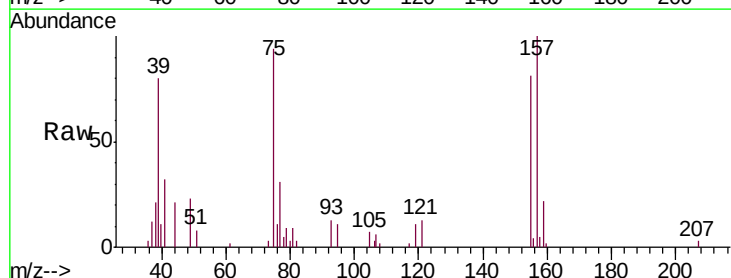
Tgt Ion: 75 Resp: 8182

Ion Ratio Lower Upper

75 100

155 86.4 59.7 89.5

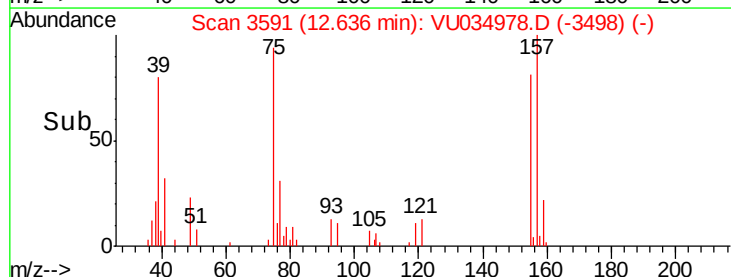
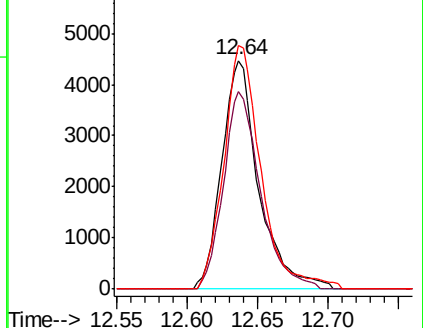
157 106.4 80.8 121.2

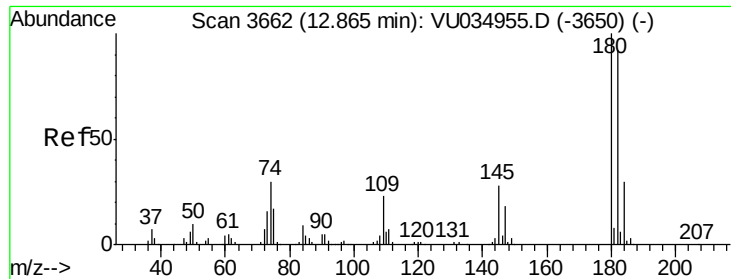


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.003 ug/L

RT: 12.87 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

Tgt Ion:180 Resp: 98305

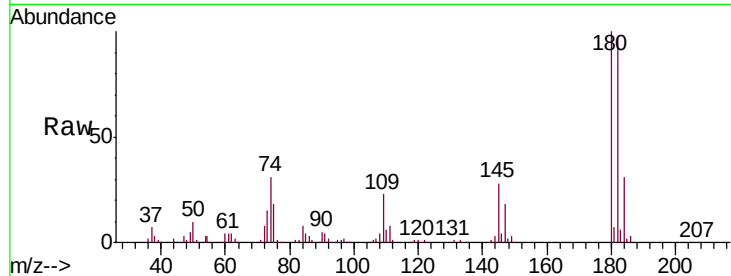
Ion Ratio Lower Upper

180 100

182 97.7 75.7 113.5

184 30.1 24.1 36.1

145 27.8 22.5 33.7

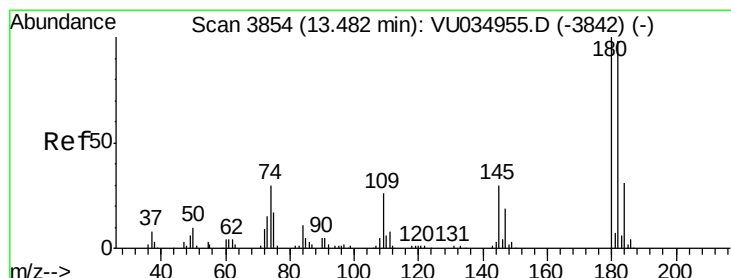
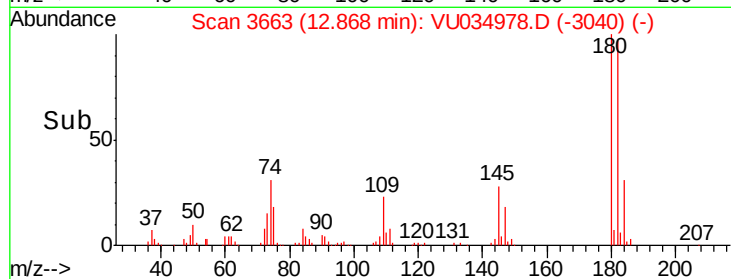
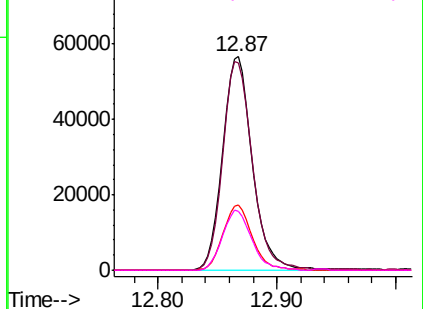


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.863 ug/L

RT: 13.49 min Scan# 3855

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

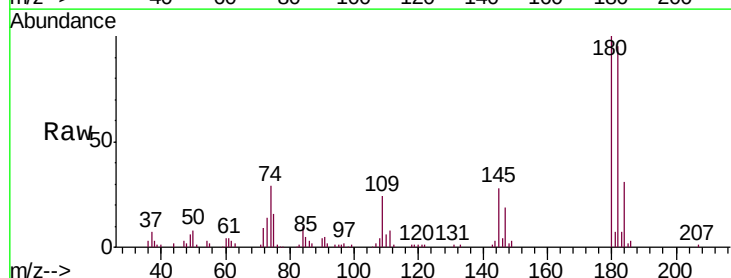
Tgt Ion:180 Resp: 71371

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.4

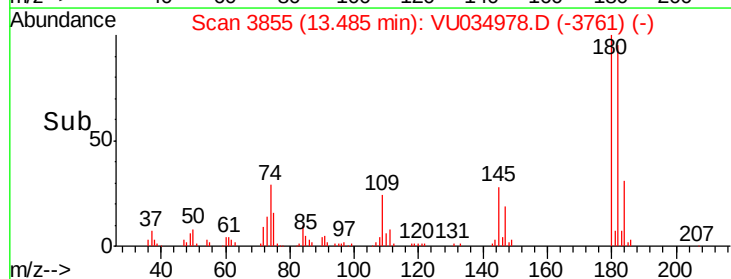
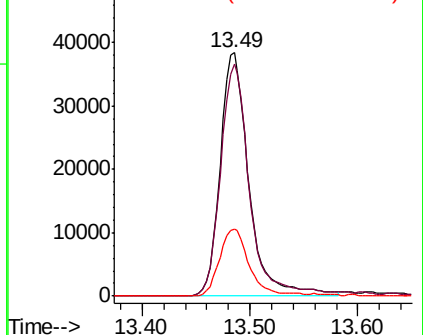
145 28.5 22.2 33.4

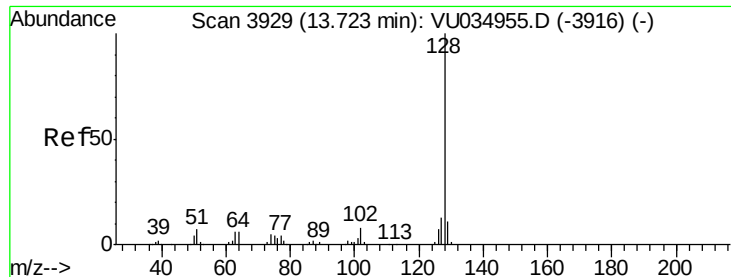


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.249 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

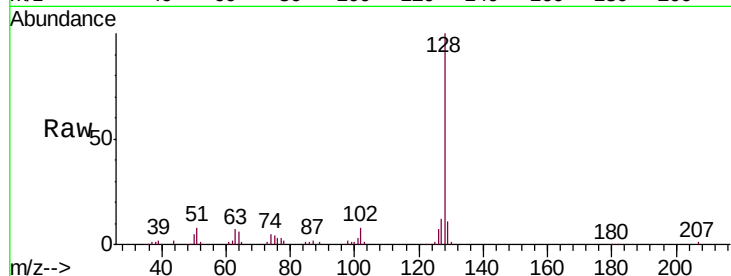
Tgt Ion:128 Resp: 96951

Ion Ratio Lower Upper

128 100

129 10.2 8.1 12.1

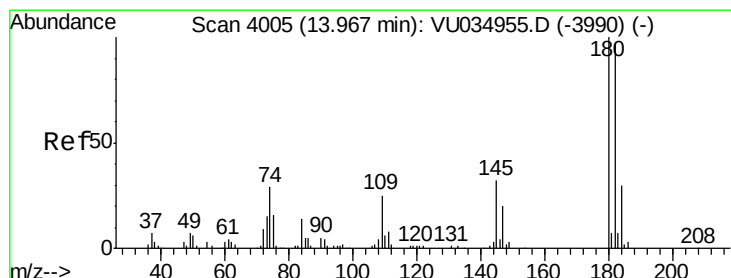
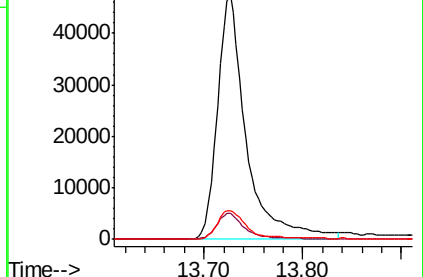
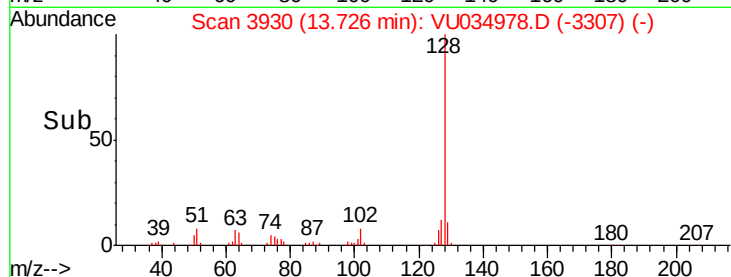
127 12.4 9.8 14.6



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: 4.864 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034978.D

Acq: 07 Oct 2019 22:40

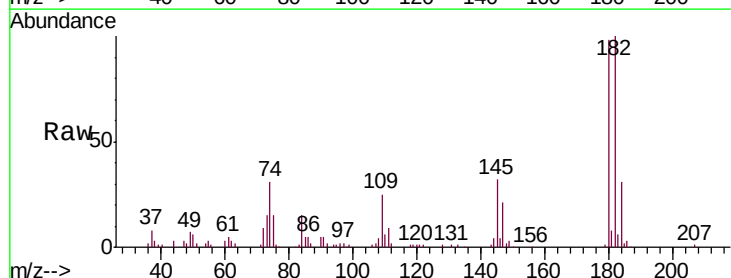
Tgt Ion:180 Resp: 69417

Ion Ratio Lower Upper

180 100

182 98.5 78.1 117.1

145 32.7 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

