

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031420\
 Data File : VU037260.D
 Acq On : 14 Mar 2020 13:34
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Mar 16 05:15:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Mar 14 00:24:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	135610	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	132517	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	66941	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36676	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.93	69	33538	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	2.59	63	78511	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	4.67	46	106483	46.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.50%
24) Chloroform-d	5.11	84	76641	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.74	65	48162	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.76	84	149064	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.73	67	47103	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.40%
41) Toluene-d8	7.93	98	147745	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.20	79	21045	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.66	63	92344	52.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.30%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	40358	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	55981	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	77371	4.431	ug/L 99
3) Chloromethane	1.54	50	75136	5.043	ug/L 99
5) Vinyl chloride	1.62	62	65791	4.931	ug/L 92
6) Bromomethane	1.87	94	32170	6.415	ug/L 97
8) Chloroethane	1.95	64	37018	5.413	ug/L 97
9) Trichlorofluoromethane	2.16	101	102837	5.431	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	46799	4.782	ug/L 98
12) 1,1-Dichloroethene	2.60	96	41074	4.640	ug/L 98
13) Acetone	2.66	43	91432	48.985	ug/L 93
14) Carbon disulfide	2.82	76	134405	4.577	ug/L 99
15) Methyl Acetate	2.98	43	21771	4.984	ug/L 95
16) Methylene chloride	3.08	84	48249	4.540	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	117799	4.954	ug/L 96
18) trans-1,2-Dichloroethene	3.39	96	44634	4.769	ug/L 98
19) 1,1-Dichloroethane	3.91	63	89434	4.721	ug/L 99
21) 2-Butanone	4.75	43	141499	48.158	ug/L 95
22) cis-1,2-Dichloroethene	4.71	96	49127	4.770	ug/L 93

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 Data File : VU037260.D
 Acq On : 14 Mar 2020 13:34
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Mar 16 05:15:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
 Quant Title : TRACE VOA SOM01.0
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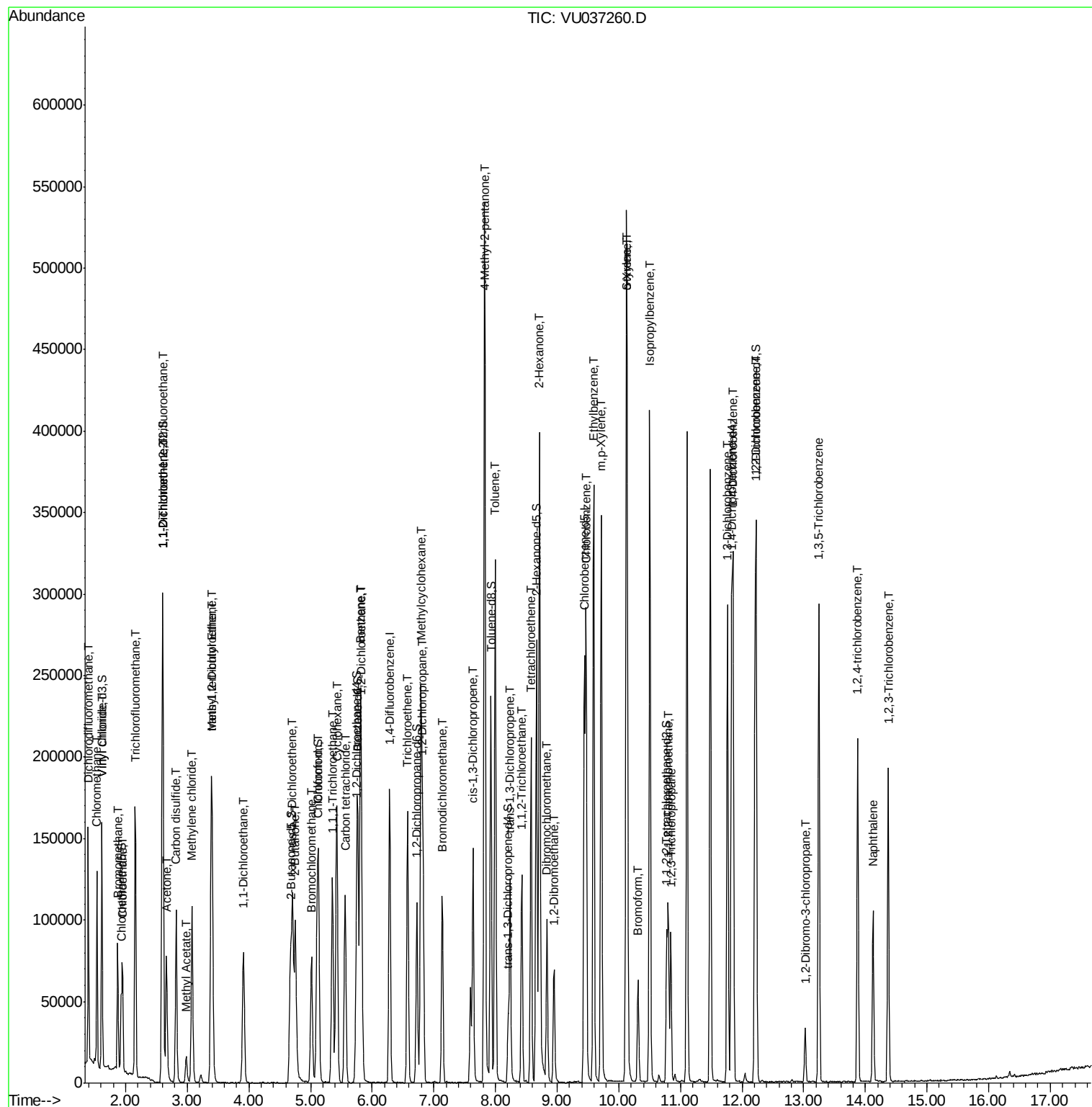
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	22561	4.998	ug/L	99
25) Chloroform	5.13	83	101558	4.914	ug/L	100
27) 1,2-Dichloroethane	5.83	62	68945	4.786	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	89249	5.259	ug/L	97
30) Cyclohexane	5.43	56	79004	4.812	ug/L	98
31) Carbon tetrachloride	5.56	117	76883	5.229	ug/L	98
33) Benzene	5.81	78	199080	5.081	ug/L	100
34) Trichloroethene	6.57	95	54309	5.133	ug/L	97
35) Methylcyclohexane	6.79	83	88026	5.382	ug/L	97
37) 1,2-Dichloropropane	6.83	63	53196	5.159	ug/L	99
38) Bromodichloromethane	7.14	83	71454	5.224	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	78530	5.306	ug/L	93
40) 4-Methyl-2-pentanone	7.83	43	349453	47.898	ug/L	97
42) Toluene	8.00	91	221592	5.268	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	66641	5.398	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	37187	4.999	ug/L	98
47) Tetrachloroethene	8.58	164	43398	5.275	ug/L	99
48) 2-Hexanone	8.71	43	264094	51.919	ug/L	99
49) Dibromochloromethane	8.83	129	48289	5.390	ug/L	97
50) 1,2-Dibromoethane	8.95	107	36176	5.128	ug/L #	97
51) Chlorobenzene	9.47	112	136966	5.058	ug/L	97
52) Ethylbenzene	9.59	91	249541	5.365	ug/L	99
53) m,p-Xylene	9.72	106	91624	5.480	ug/L	99
54) o-Xylene	10.12	106	89163	5.469	ug/L	99
55) Styrene	10.14	104	148248	5.545	ug/L	98
56) Isopropylbenzene	10.50	105	249694	5.708	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	47710	5.194	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	35739	4.844	ug/L	98
61) Bromoform	10.31	173	28460	5.572	ug/L #	99
62) 1,3-Dichlorobenzene	11.76	146	111884	5.100	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	110320	5.064	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	105174	5.057	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	8849	5.542	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	85849	5.717	ug/L	97
68) 1,2,4-trichlorobenzene	13.88	180	60734	5.964	ug/L	99
69) Naphthalene	14.13	128	82907	5.700	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	55093	5.766	ug/L	99

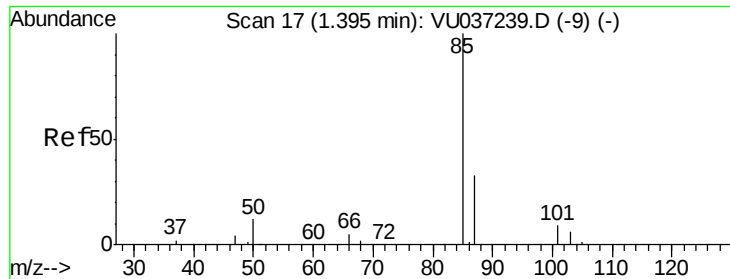
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU037260.D
Acq On : 14 Mar 2020 13:34
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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Quant Time: Mar 16 05:15:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031120WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 14 00:24:25 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.431 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

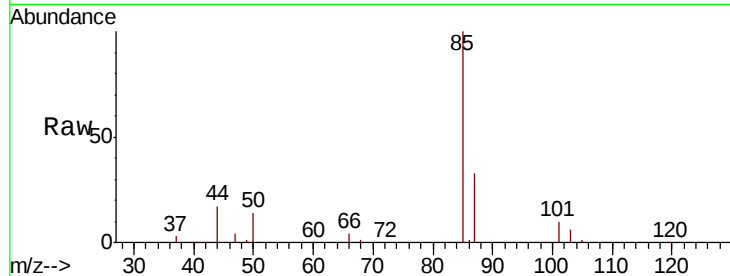
VSTD00510

Tot Ion: 85 Resp: 77371

Ion Ratio Lower Upper

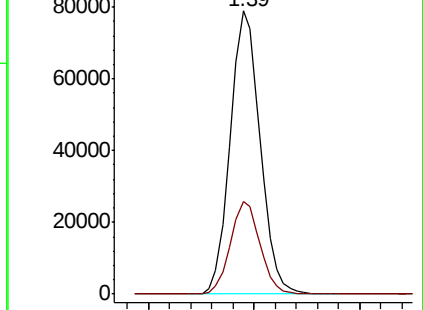
85 100

87 32.2 26.2 39.4

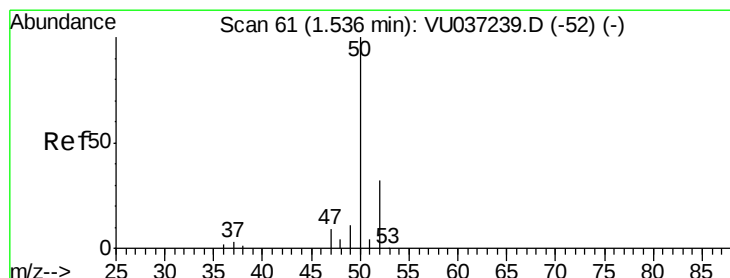
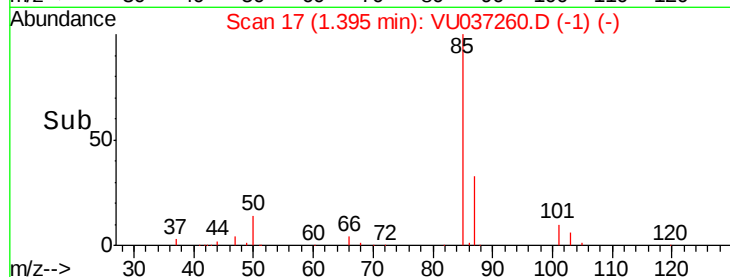


Abundance Ion 85.00 (84.70 to 85.70): VU037239.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037260.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 5.043 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037260.D

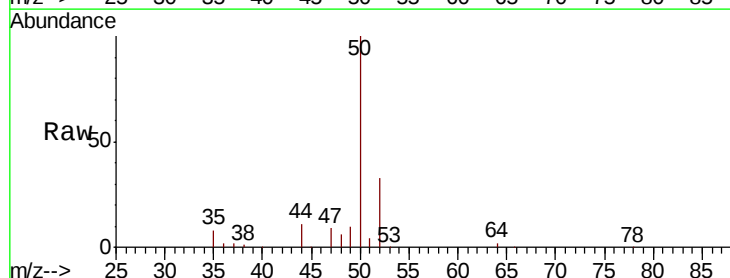
Acq: 14 Mar 2020 13:34

Tgt Ion: 50 Resp: 75136

Ion Ratio Lower Upper

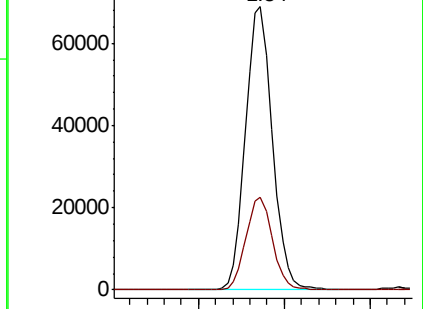
50 100

52 32.9 23.3 43.3

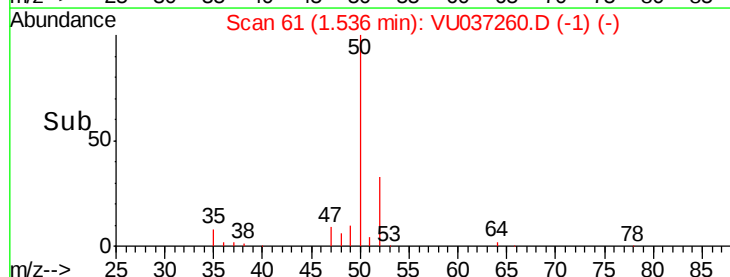


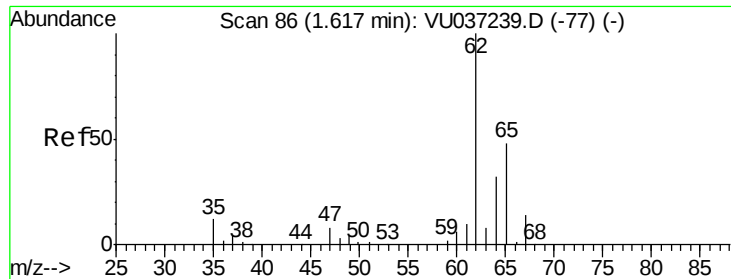
Abundance Ion 50.05 (49.75 to 50.75): VU037239.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU037260.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 4.931 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

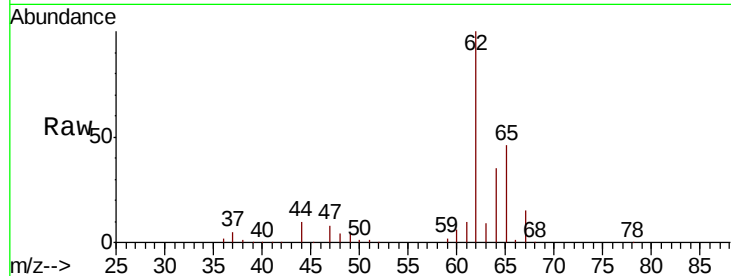
VSTD00510

Tot Ion: 62 Resp: 65791

Ion Ratio Lower Upper

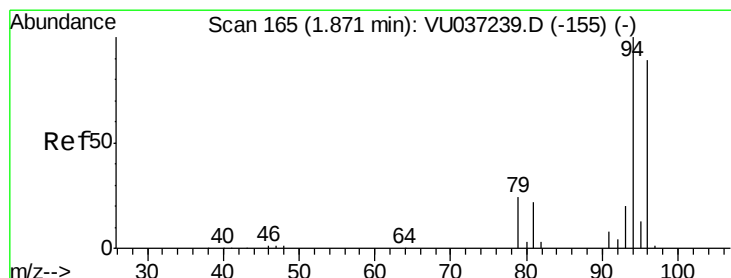
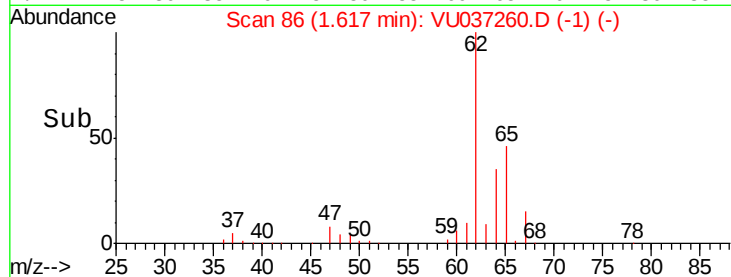
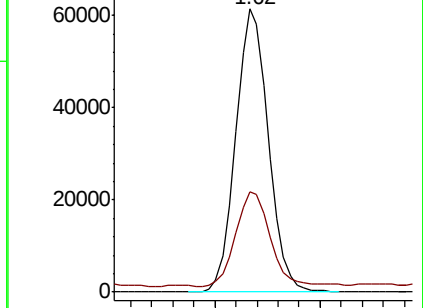
62 100

64 35.3 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VU037239.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037260.D (-72) (-)



#6

Bromomethane

Concen: 6.415 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU037260.D

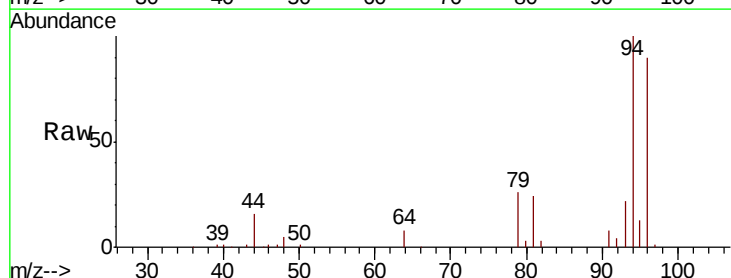
Acq: 14 Mar 2020 13:34

Tgt Ion: 94 Resp: 32170

Ion Ratio Lower Upper

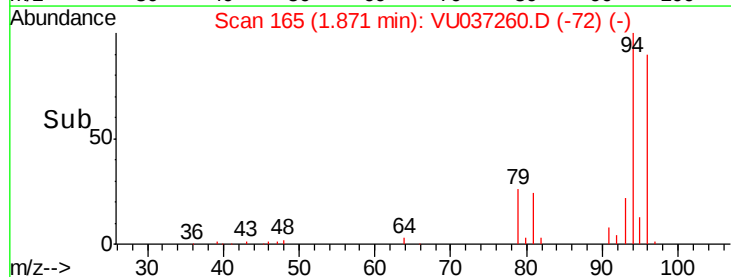
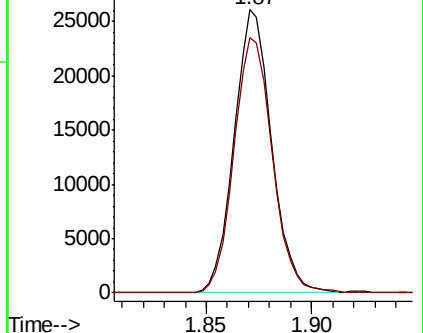
94 100

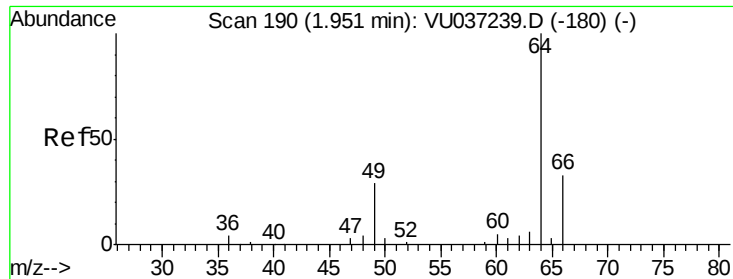
96 90.2 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU037239.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU037260.D (-72) (-)

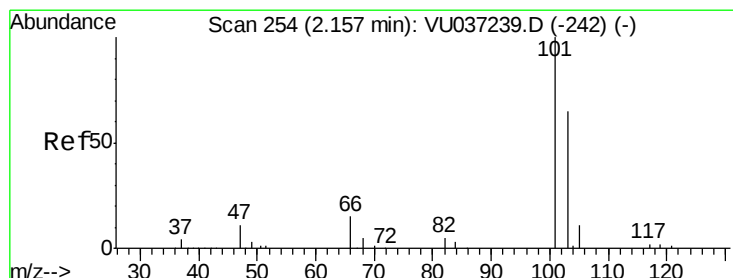
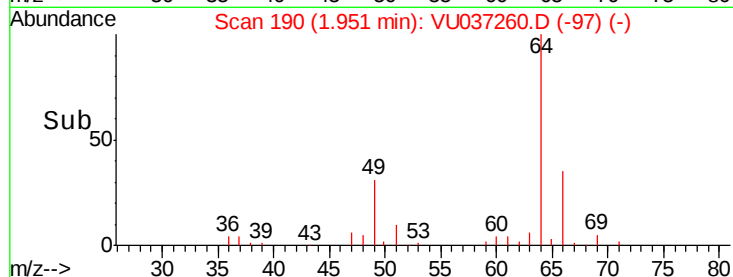
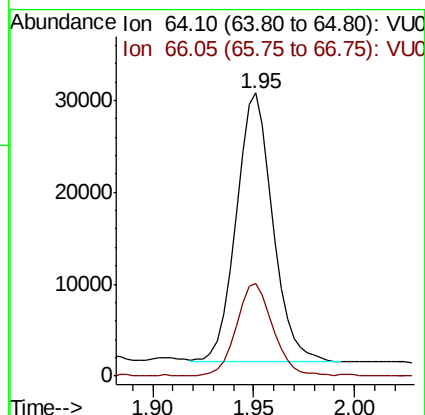
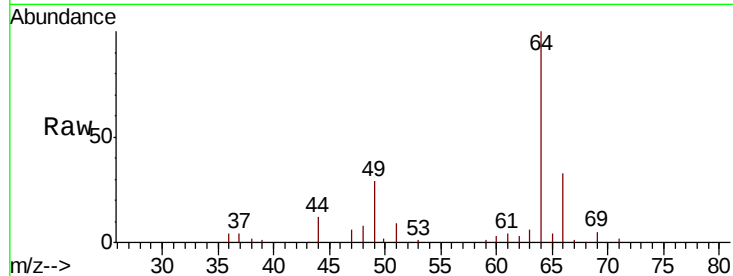




#8
Chloroethane
Concen: 5.413 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU037260.D
Acq: 14 Mar 2020 13:34

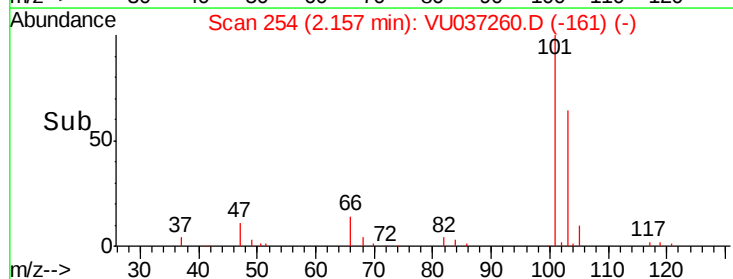
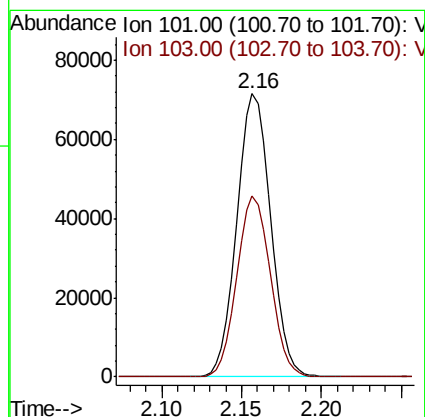
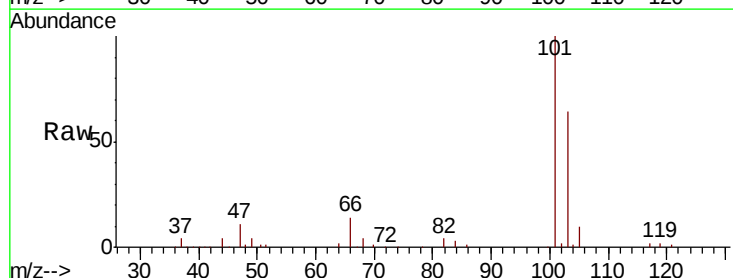
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

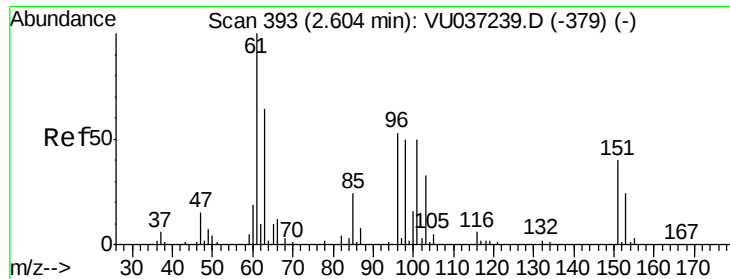
Tot Ion: 64 Resp: 37018
Ion Ratio Lower Upper
64 100
66 32.9 22.0 40.8



#9
Trichlorofluoromethane
Concen: 5.431 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU037260.D
Acq: 14 Mar 2020 13:34

Tgt Ion: 101 Resp: 102837
Ion Ratio Lower Upper
101 100
103 63.2 50.2 75.4





#10

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

Concen: 4.782 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

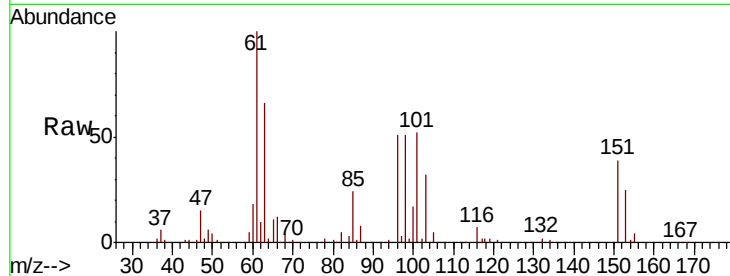
Tot Ion:101 Resp: 46799

Ion Ratio Lower Upper

101 100

85 47.5 37.5 56.3

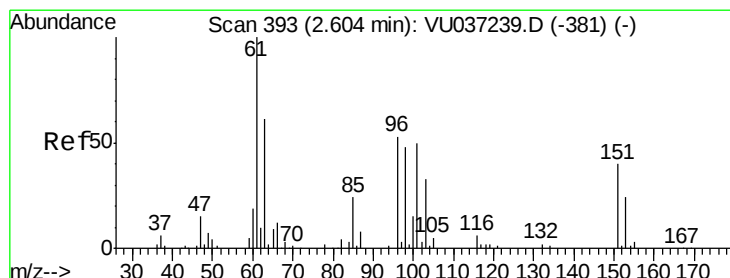
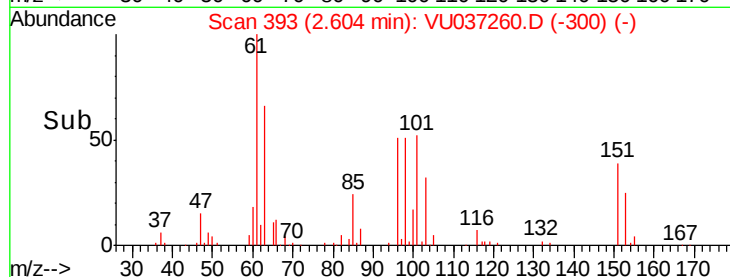
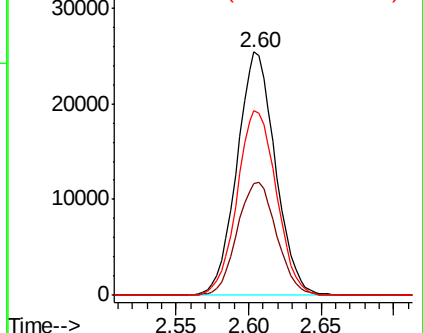
151 77.3 59.8 89.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.640 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

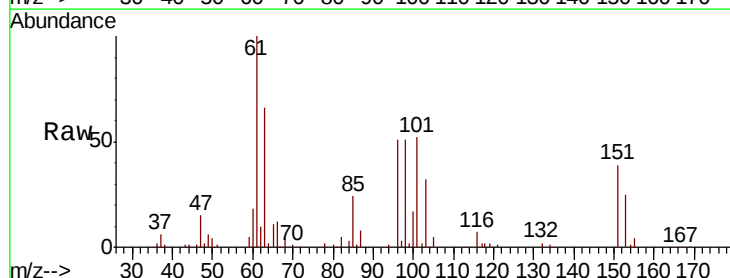
Tgt Ion: 96 Resp: 41074

Ion Ratio Lower Upper

96 100

61 195.6 136.4 253.2

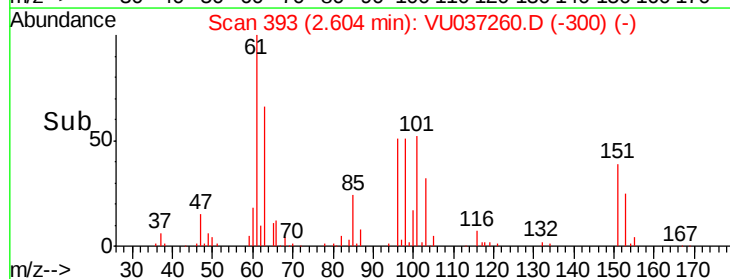
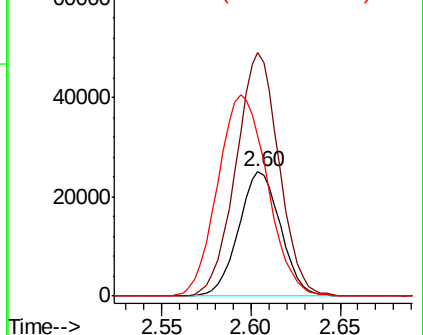
63 128.8 86.2 160.0

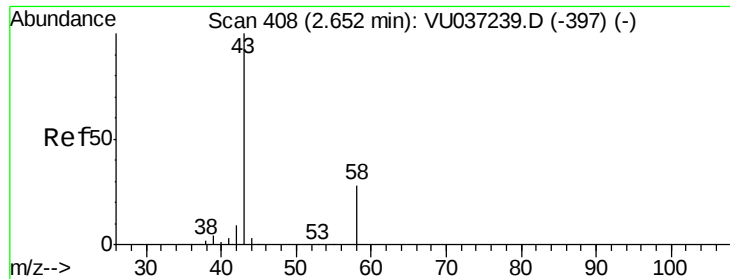


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.985 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.01 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

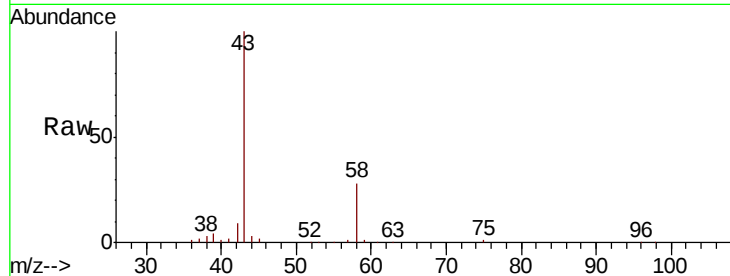
VSTD00510

Tot Ion: 43 Resp: 91432

Ion Ratio Lower Upper

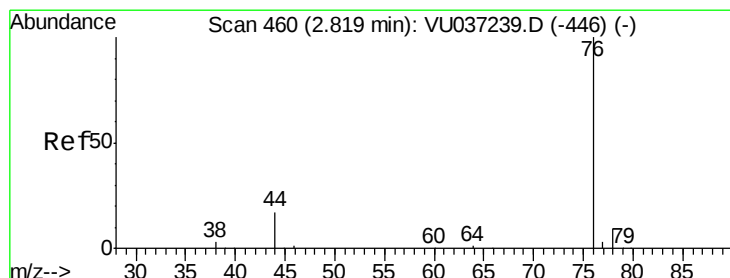
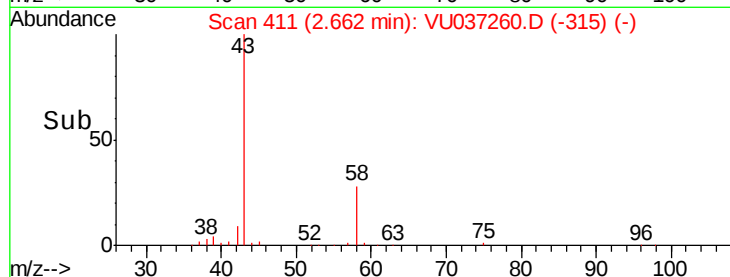
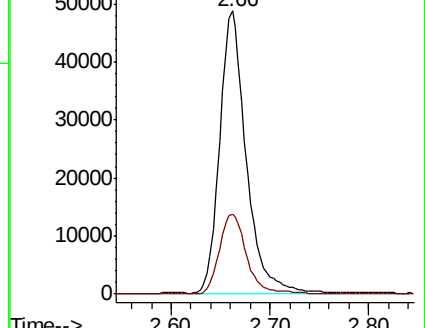
43 100

58 29.5 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VU037239.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU037239.D (-397) (-)



#14

Carbon disulfide

Concen: 4.577 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU037260.D

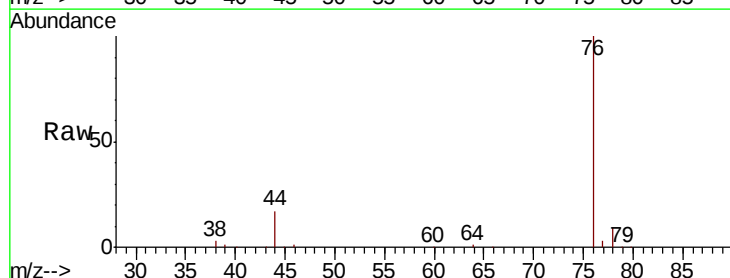
Acq: 14 Mar 2020 13:34

Tgt Ion: 76 Resp: 134405

Ion Ratio Lower Upper

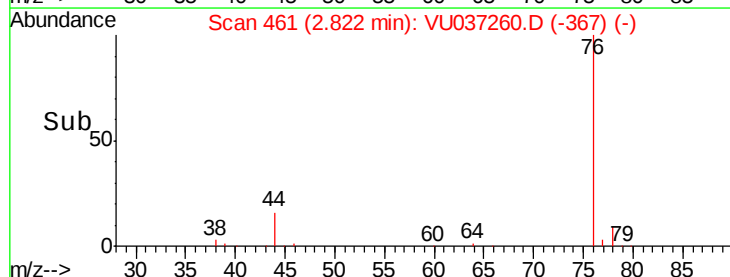
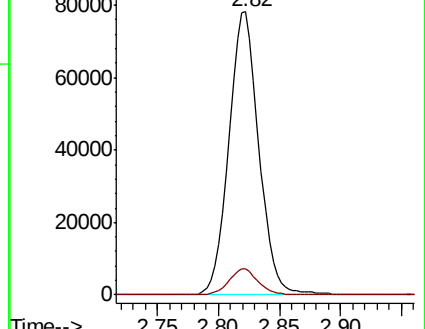
76 100

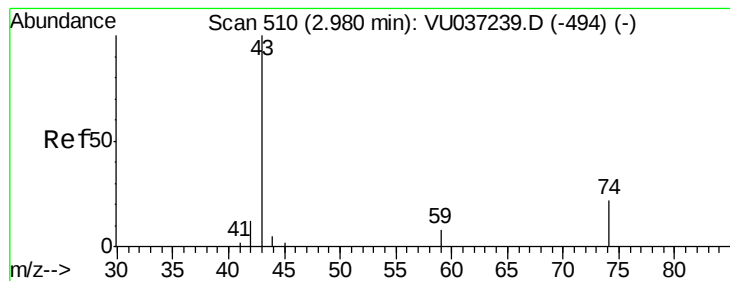
78 9.0 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU037239.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037239.D (-446) (-)





#15

Methyl Acetate

Concen: 4.984 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

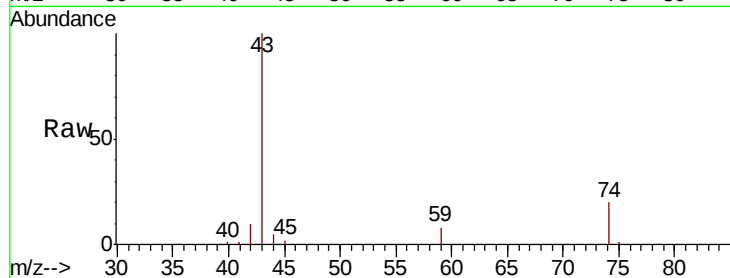
VSTD00510

Tot Ion: 43 Resp: 21771

Ion Ratio Lower Upper

43 100

74 19.0 17.1 25.7



Abundance Ion 43.05 (42.75 to 43.75): VU037239.D (-494) (-)

Ion 74.05 (73.75 to 74.75): VU037239.D (-494) (-)

2.98

12000

10000

8000

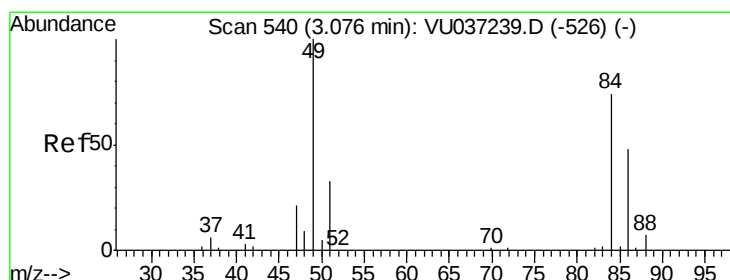
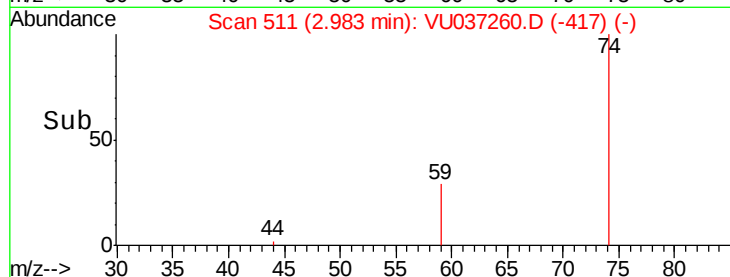
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 4.540 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

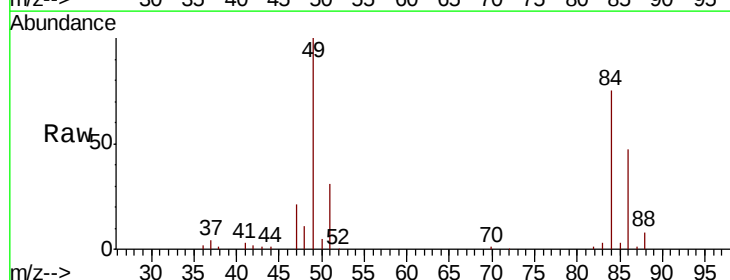
Tgt Ion: 84 Resp: 48249

Ion Ratio Lower Upper

84 100

86 62.5 44.3 82.3

49 132.7 95.3 177.1



Abundance Ion 84.05 (83.75 to 84.75): VU037239.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU037239.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU037239.D (-526) (-)

3.08

40000

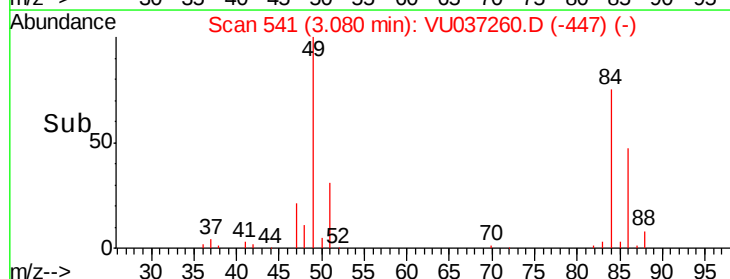
30000

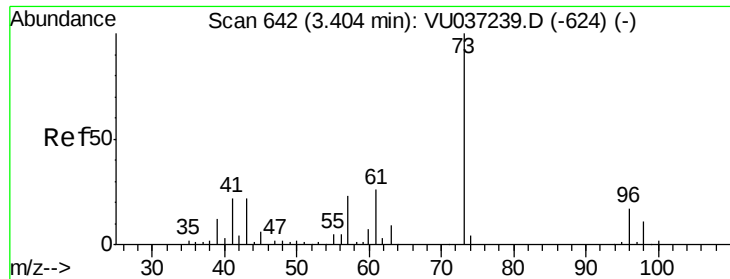
20000

10000

0

Time-->

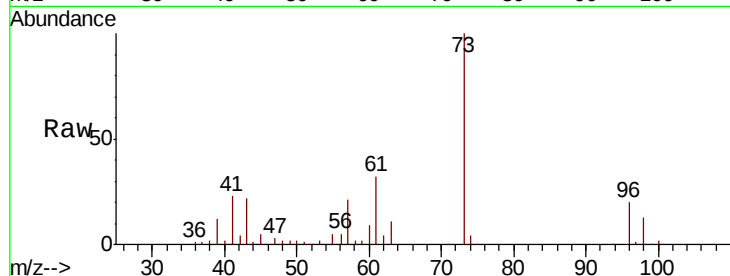




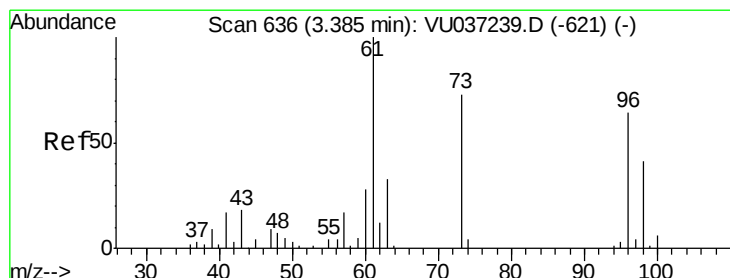
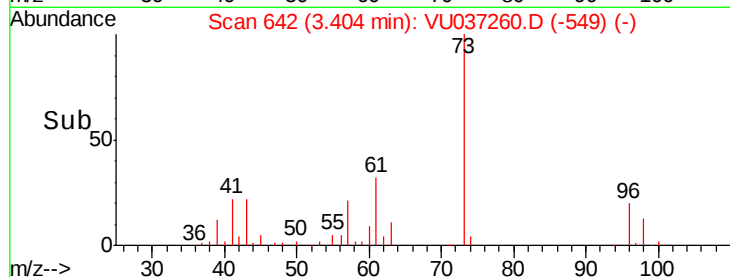
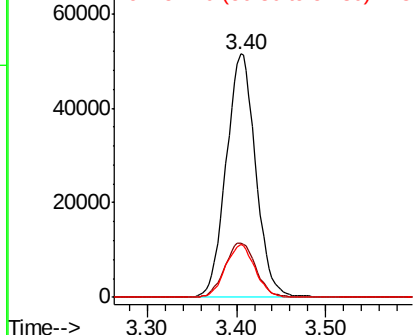
#17
Methvl tert-butvl Ether
Concen: 4.954 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU037260.D
Acq: 14 Mar 2020 13:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion: 73 Resp: 117799
Ion Ratio Lower Upper
73 100
43 23.5 21.1 31.7
57 21.6 17.9 26.9

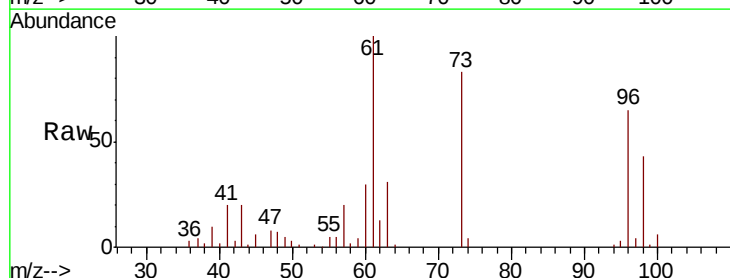


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

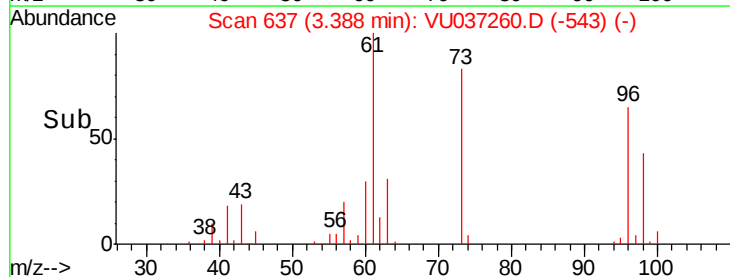
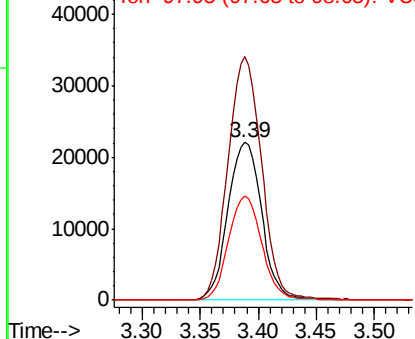


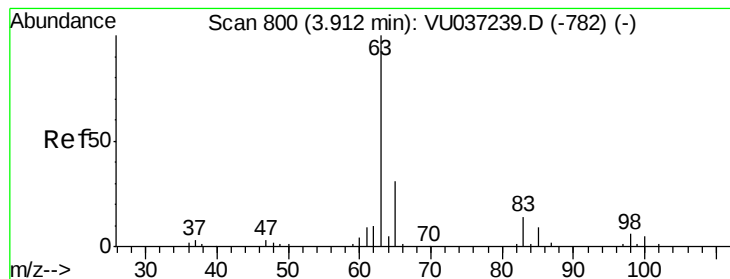
#18
trans-1,2-Dichloroethene
Concen: 4.769 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037260.D
Acq: 14 Mar 2020 13:34

Tgt Ion: 96 Resp: 44634
Ion Ratio Lower Upper
96 100
61 154.4 107.2 199.2
98 66.0 43.6 81.0



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





#19

1,1-Dichloroethane

Concen: 4.721 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

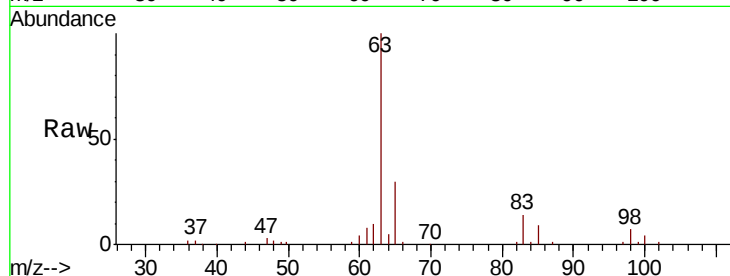
Tot Ion: 63 Resp: 89434

Ion Ratio Lower Upper

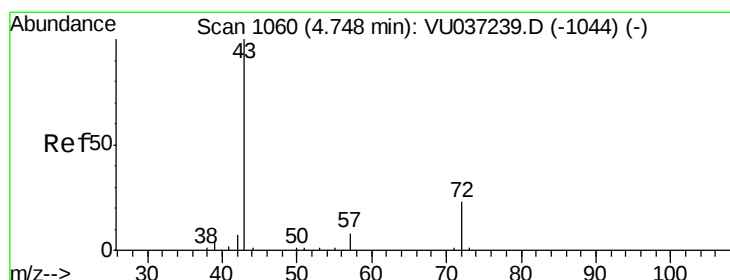
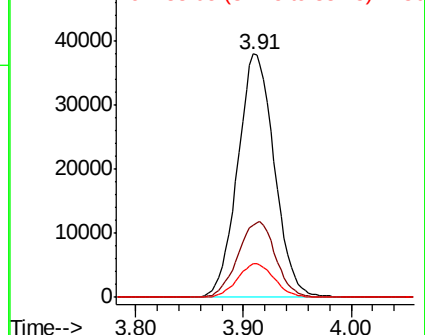
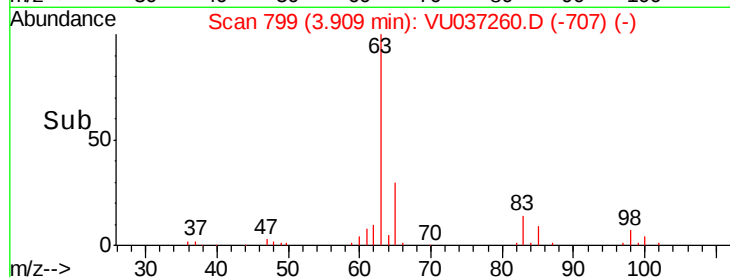
63 100

65 29.9 21.3 39.5

83 13.8 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VU037260.D (-707) (-)



#21

2-Butanone

Concen: 48.158 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VU037260.D

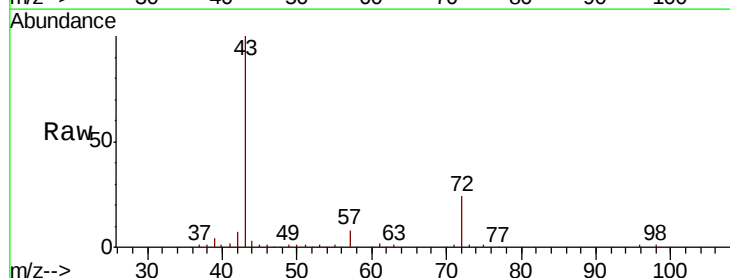
Acq: 14 Mar 2020 13:34

Tgt Ion: 43 Resp: 141499

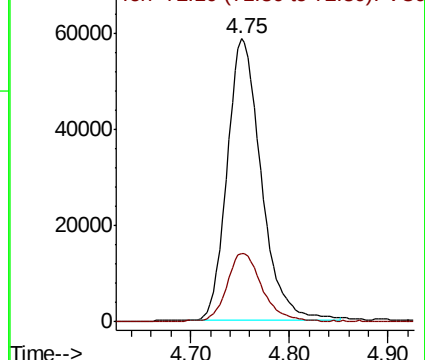
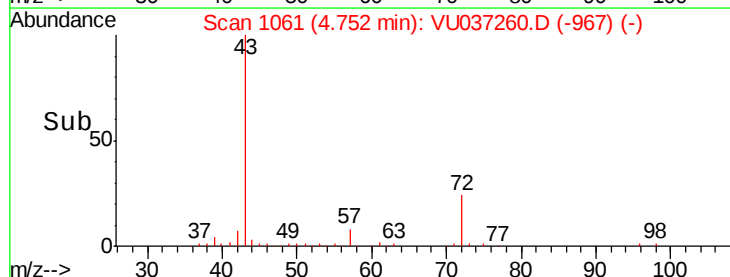
Ion Ratio Lower Upper

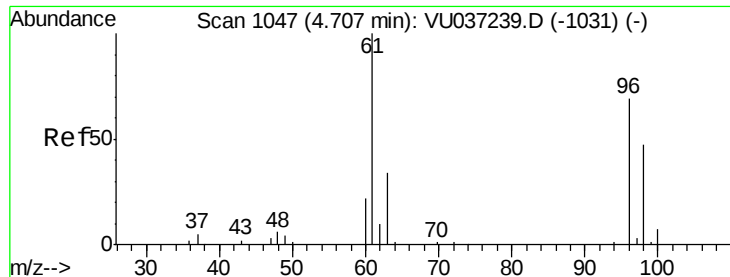
43 100

72 25.6 11.6 34.7



Abundance Ion 43.05 (42.75 to 43.75): VU037260.D (-967) (-)

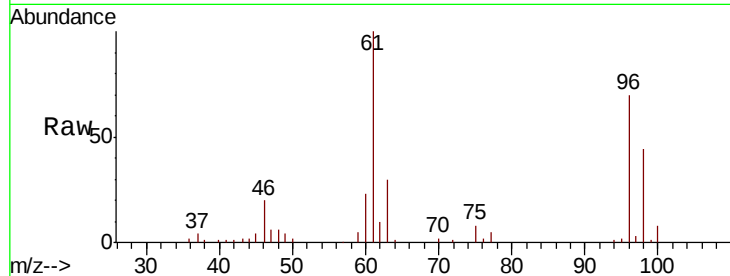




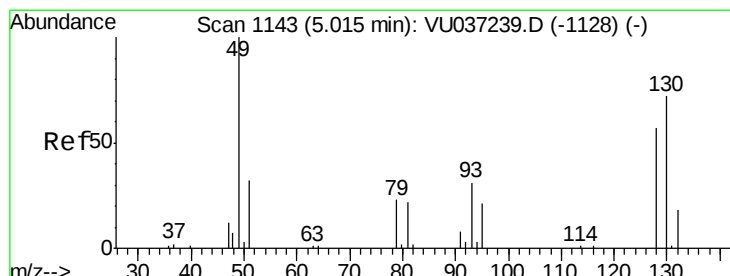
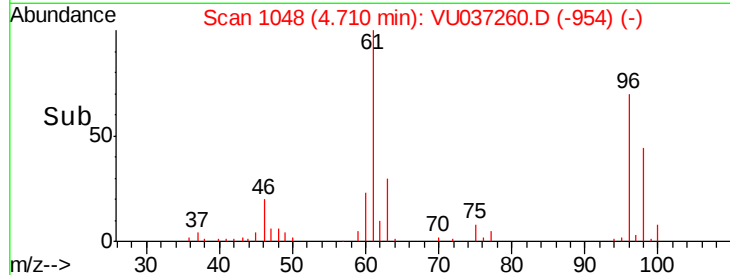
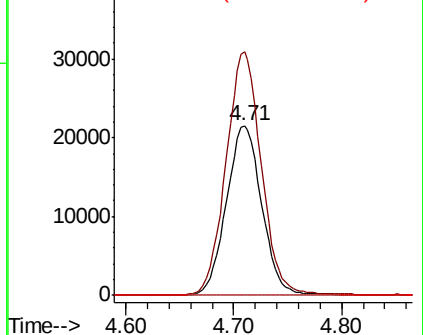
#22
 cis-1,2-Dichloroethene
 Concen: 4.770 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion: 96 Resp: 49127
 Ion Ratio Lower Upper
 96 100
 61 143.4 94.1 174.8
 68 0.0 0.0 0.0

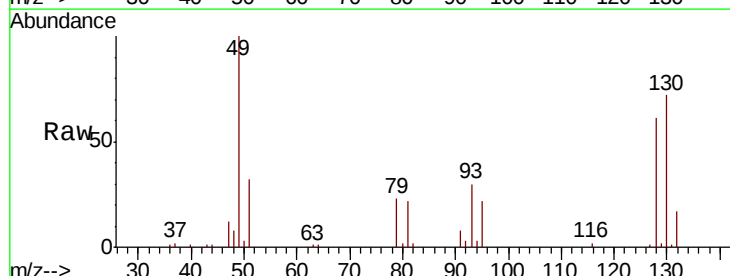


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

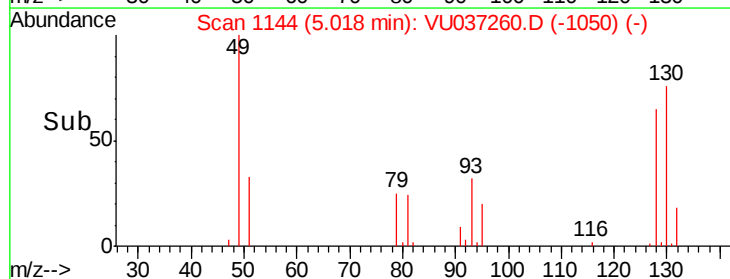
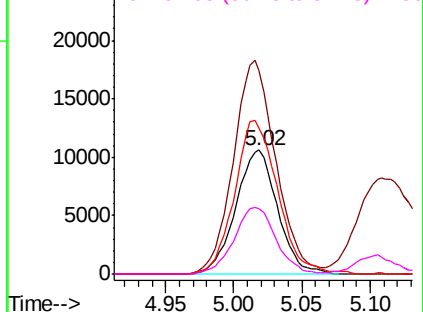


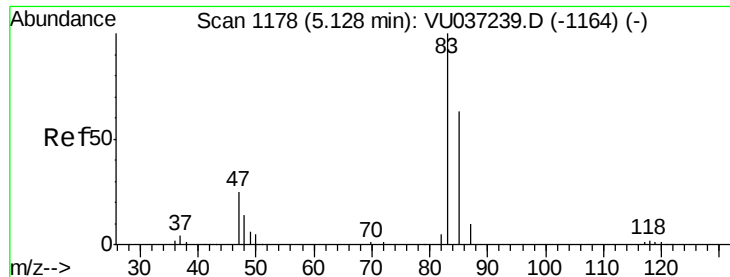
#23
 Bromochloromethane
 Concen: 4.998 ug/L
 RT: 5.02 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Tgt Ion: 128 Resp: 22561
 Ion Ratio Lower Upper
 128 100
 49 164.3 115.7 214.9
 130 117.8 83.1 154.3
 51 52.7 42.5 63.7



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

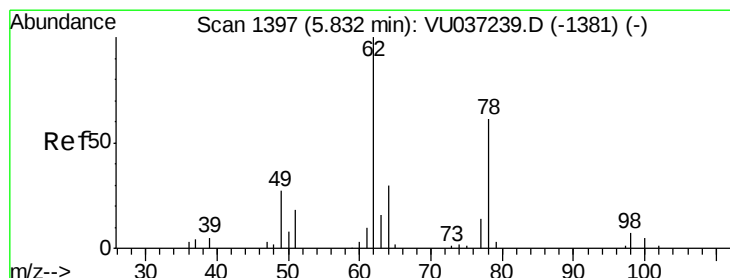
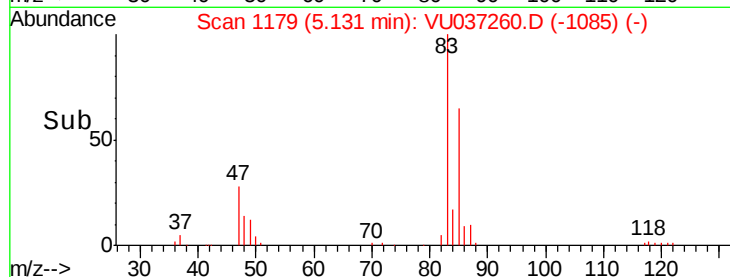
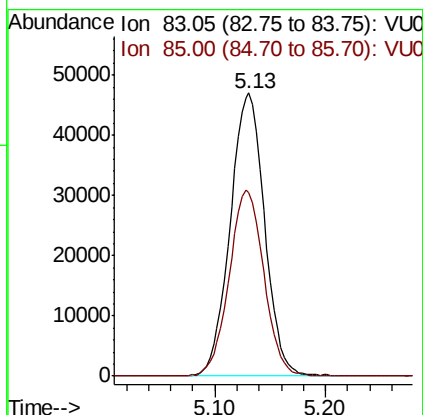
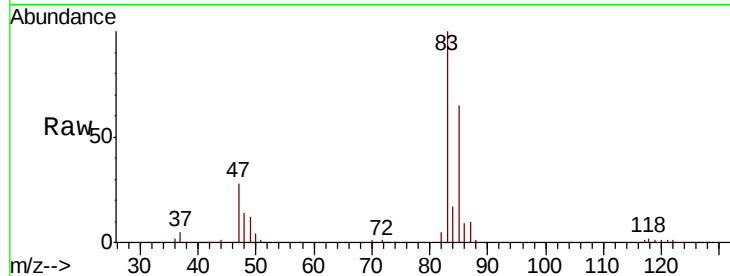




#25
Chloroform
Concen: 4.914 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037260.D
Acq: 14 Mar 2020 13:34

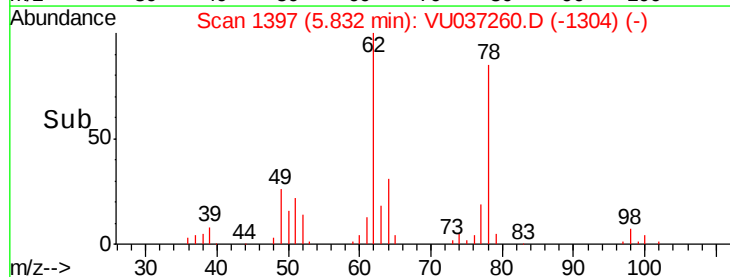
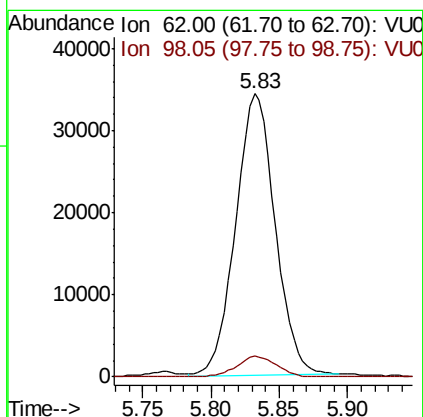
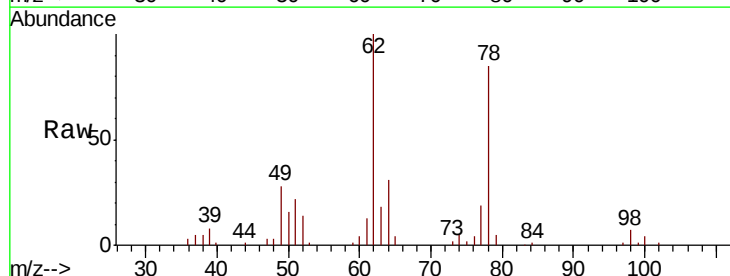
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

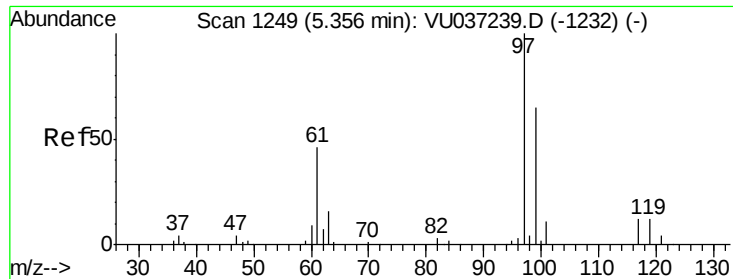
Tot Ion: 83 Resp: 101558
Ion Ratio Lower Upper
83 100
85 65.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.786 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037260.D
Acq: 14 Mar 2020 13:34

Tgt Ion: 62 Resp: 68945
Ion Ratio Lower Upper
62 100
98 7.3 5.9 8.9

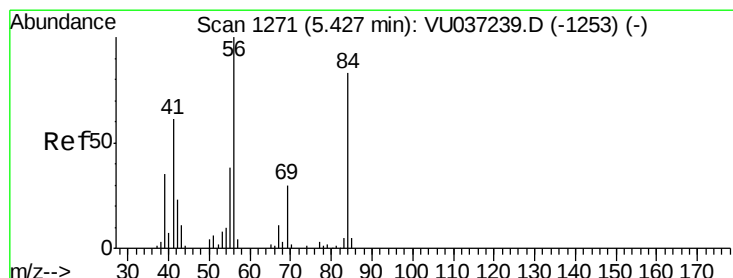
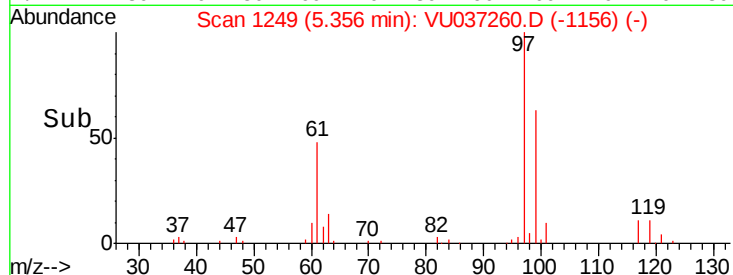
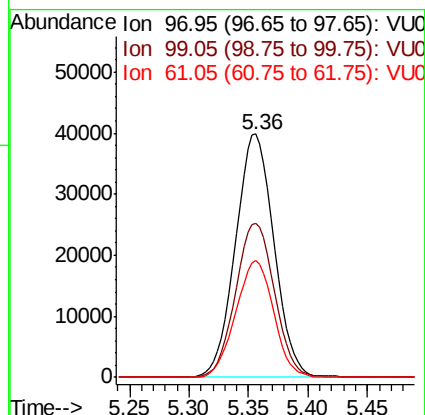
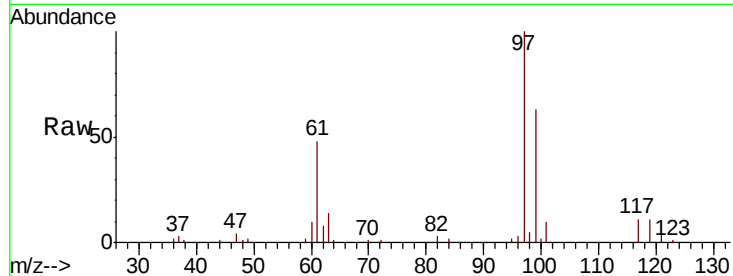




#29
 1,1,1-Trichloroethane
 Concen: 5.259 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

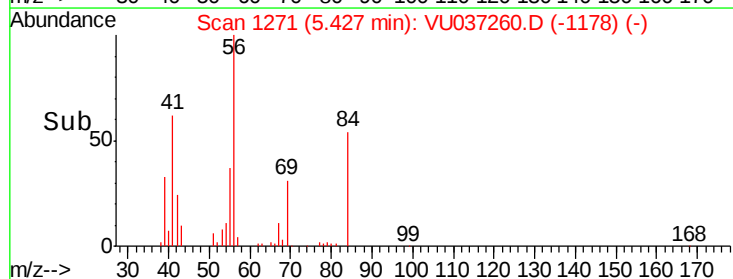
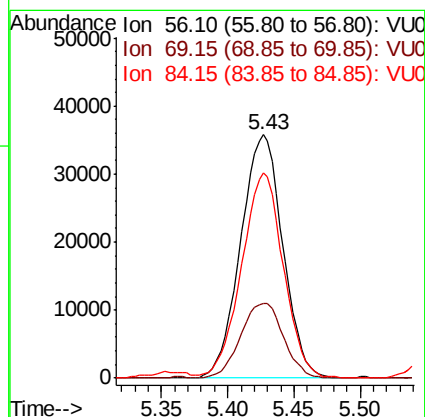
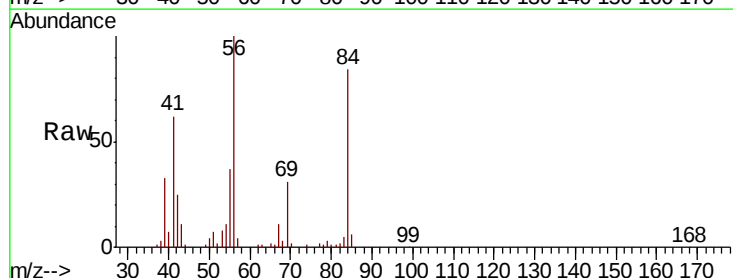
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00510

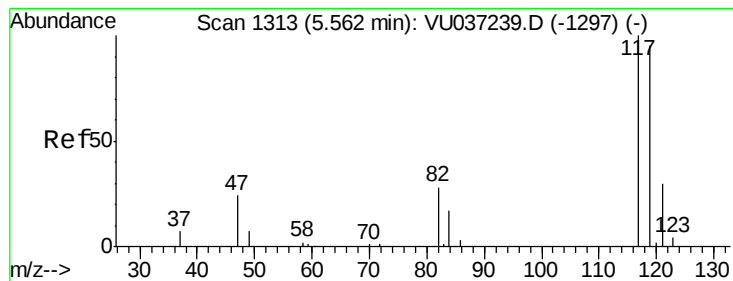
Tot Ion: 97 Resp: 89249
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.4 78.6
 61 47.4 40.6 61.0



#30
 Cyclohexane
 Concen: 4.812 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Tgt Ion: 56 Resp: 79004
 Ion Ratio Lower Upper
 56 100
 69 31.1 25.0 37.6
 84 83.9 65.4 98.2





#31

Carbon tetrachloride

Concen: 5.229 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

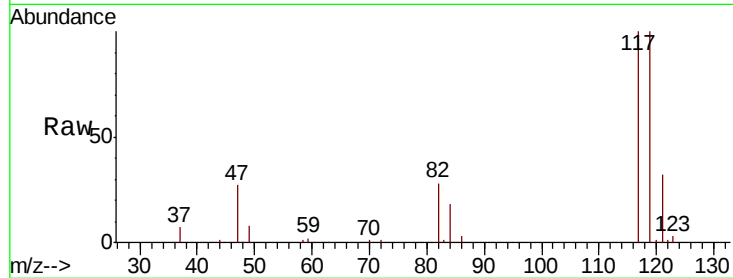
VSTD00510

Tot Ion:117 Resp: 76883

Ion Ratio Lower Upper

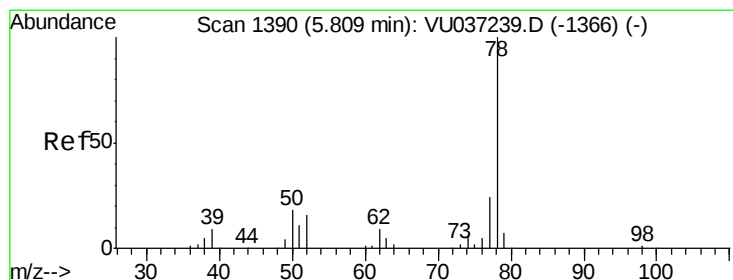
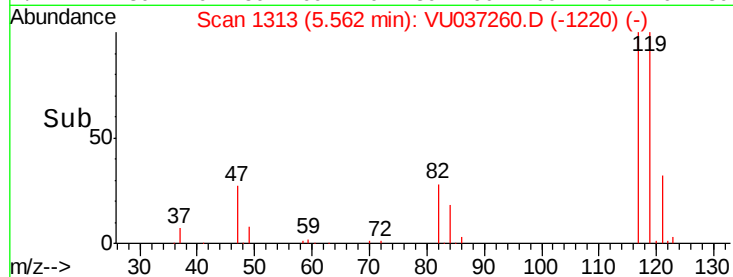
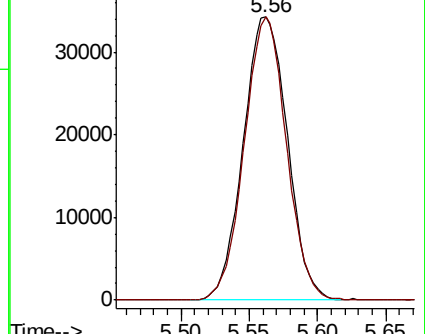
117 100

119 95.5 78.2 117.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.081 ug/L

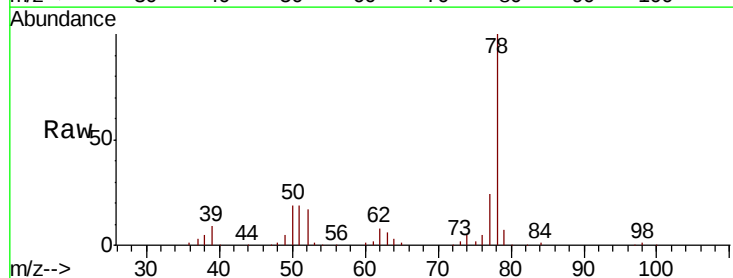
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

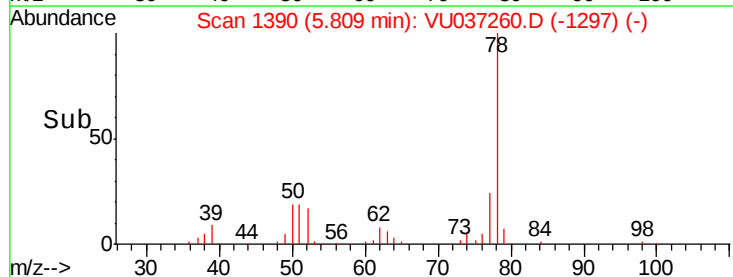
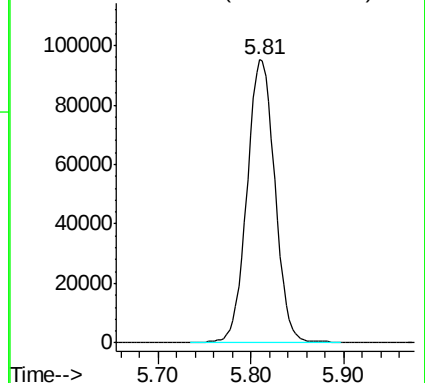
Lab File: VU037260.D

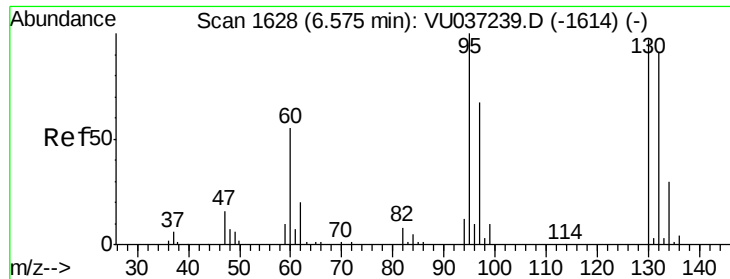
Acq: 14 Mar 2020 13:34

Tgt Ion: 78 Resp: 199080



Abundance Ion 78.10 (77.80 to 78.80): VU0

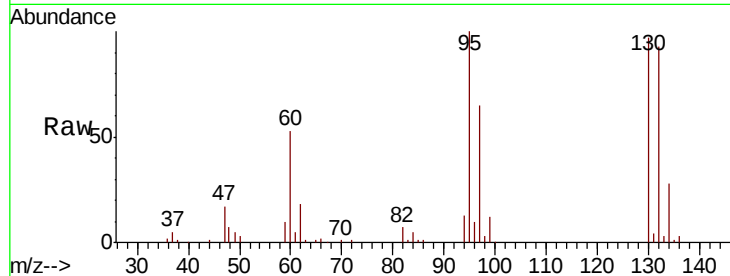




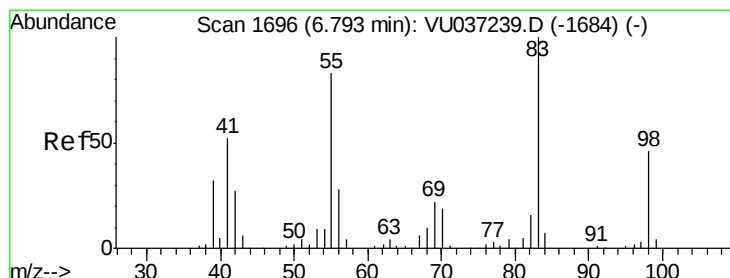
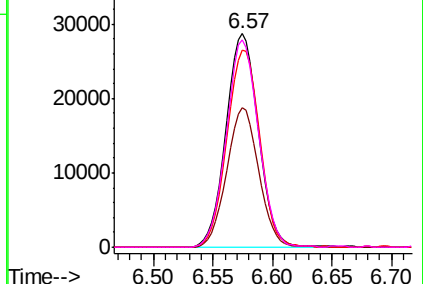
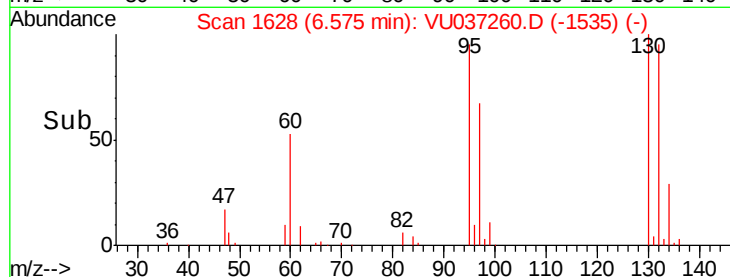
#34
 Trichloroethene
 Concen: 5.133 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion: 95 Resp: 54309
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.4 84.4
 132 92.5 63.7 118.3
 130 97.3 64.8 120.4

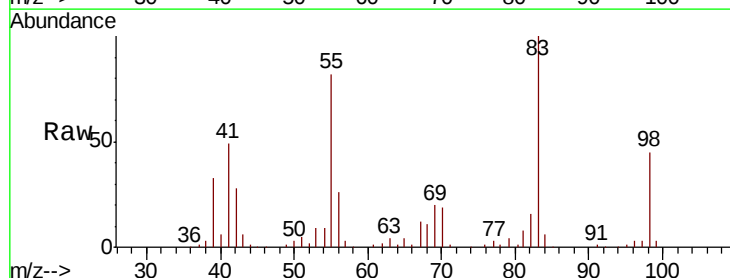


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

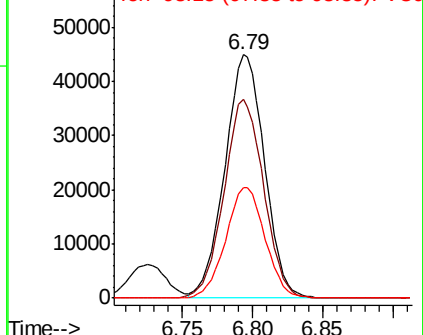
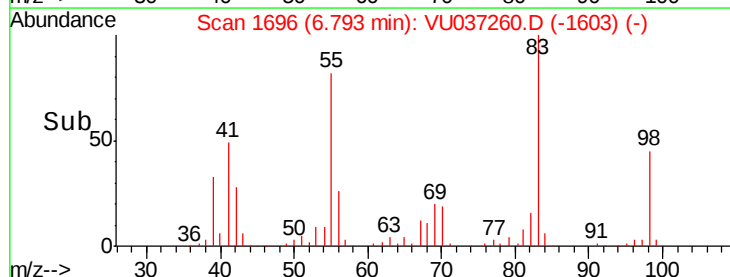


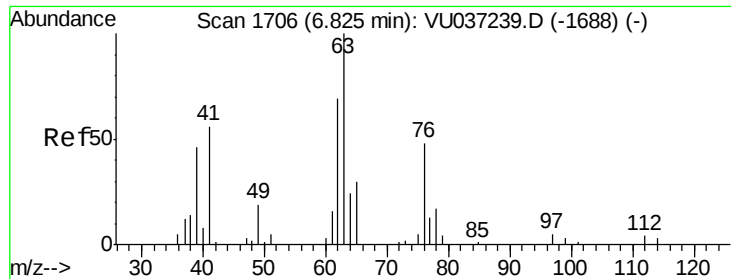
#35
 Methylcyclohexane
 Concen: 5.382 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Tgt Ion: 83 Resp: 88026
 Ion Ratio Lower Upper
 83 100
 55 81.8 68.1 102.1
 98 45.2 37.0 55.4



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

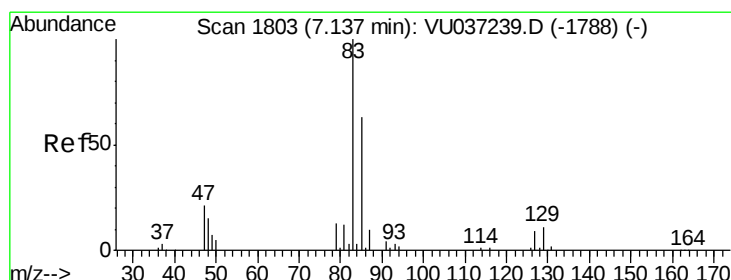
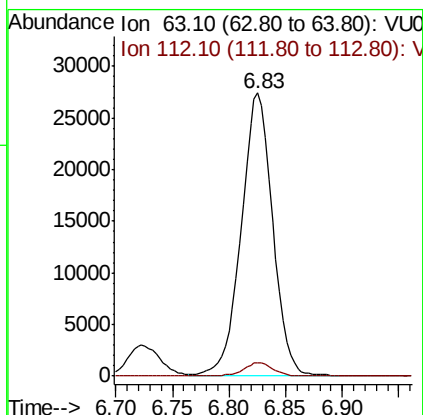
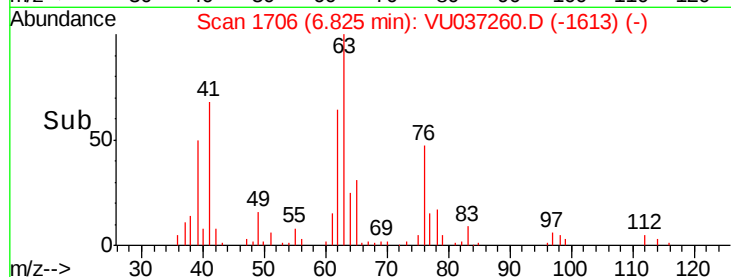
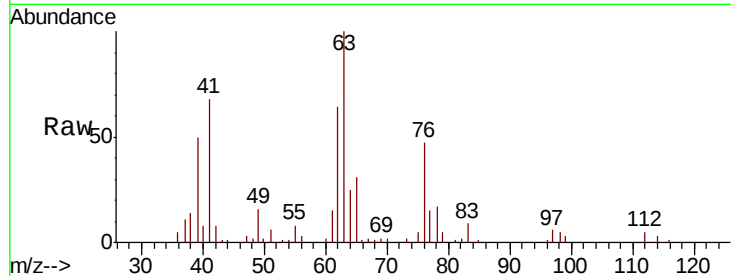




#37
 1,2-Dichloropropane
 Concen: 5.159 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

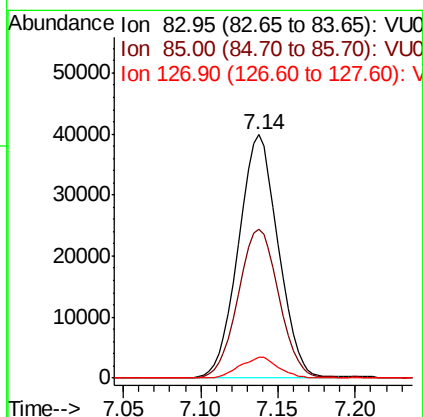
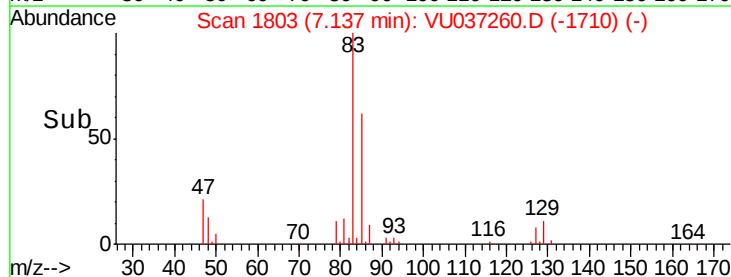
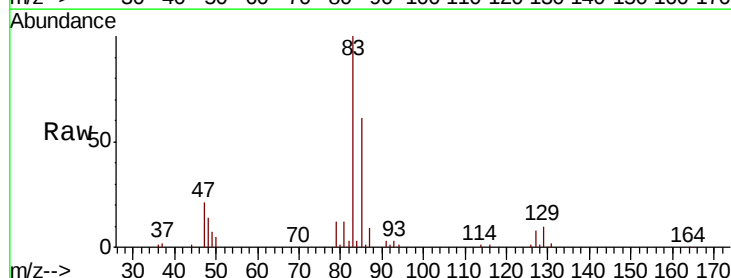
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

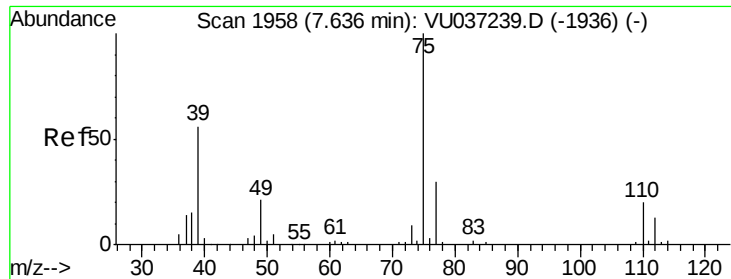
Tot Ion: 63 Resp: 53196
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.6



#38
 Bromodichloromethane
 Concen: 5.224 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Tgt Ion: 83 Resp: 71454
 Ion Ratio Lower Upper
 83 100
 85 61.2 45.1 83.7
 127 8.4 6.7 10.1

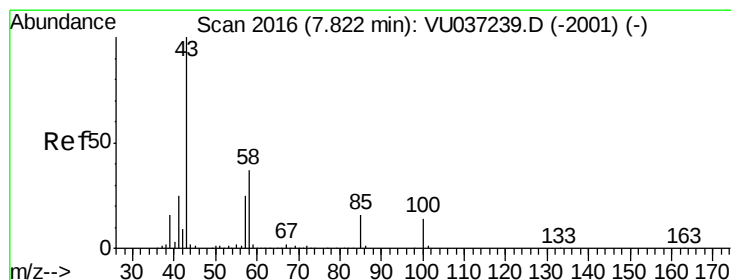
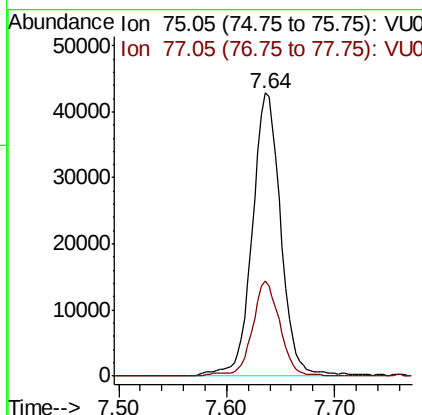
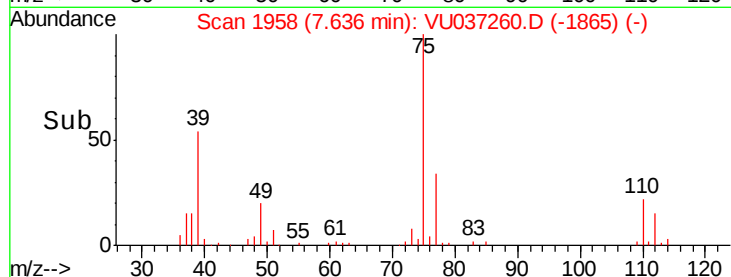
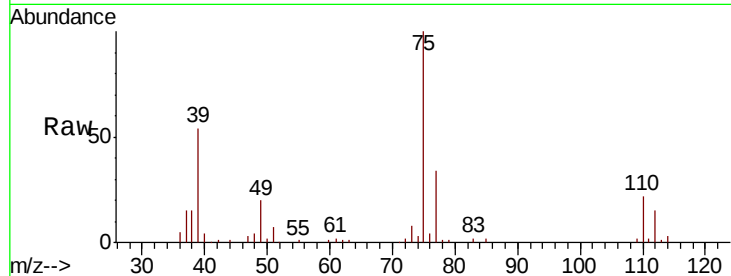




#39
 cis-1,3-Dichloropropene
 Concen: 5.306 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

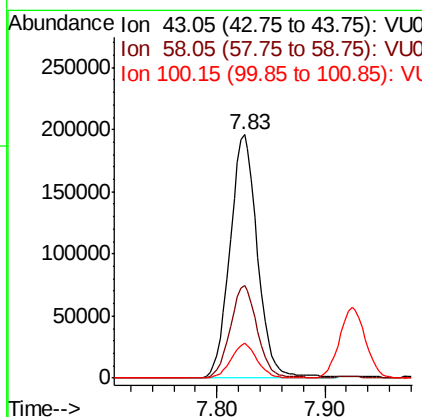
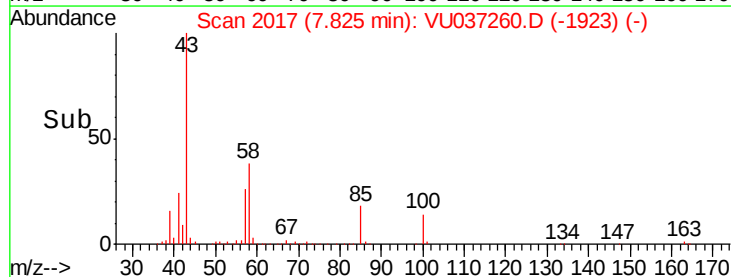
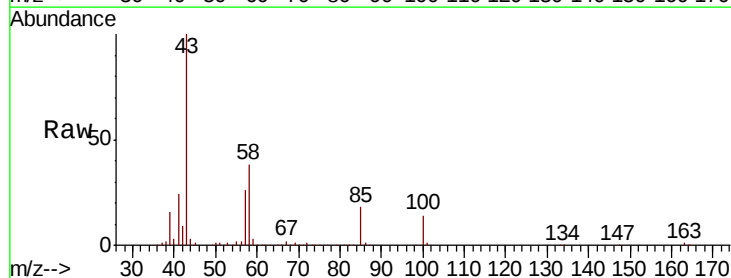
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

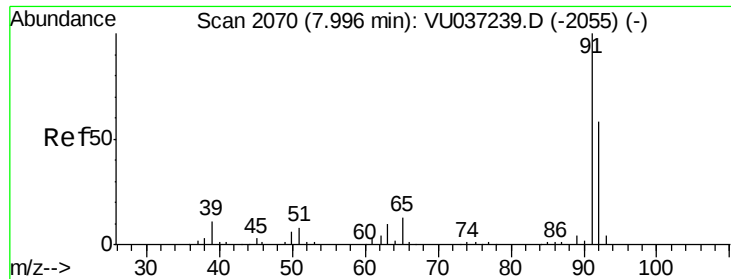
Tot Ion: 75 Resp: 78530
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 47.898 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Tgt Ion: 43 Resp: 349453
 Ion Ratio Lower Upper
 43 100
 58 37.4 28.6 42.8
 100 13.6 10.2 15.2





#42

Toluene

Concen: 5.268 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

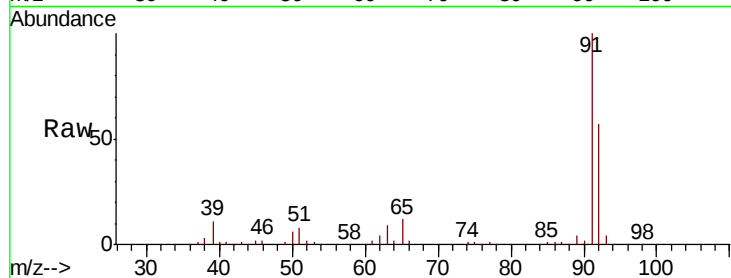
VSTD00510

Tot Ion: 91 Resp: 221592

Ion Ratio Lower Upper

91 100

92 57.1 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU037239.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037260.D (-1977) (-)

8.00

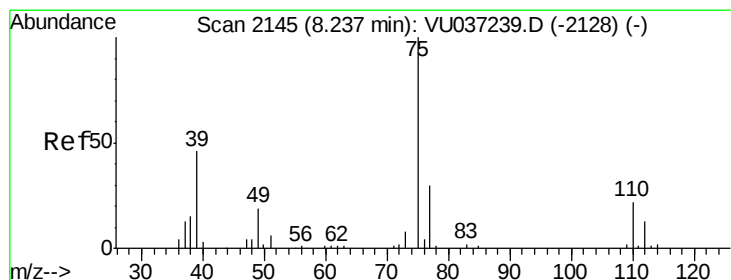
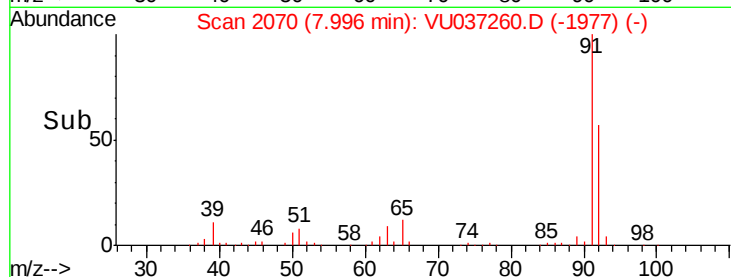
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.398 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037260.D

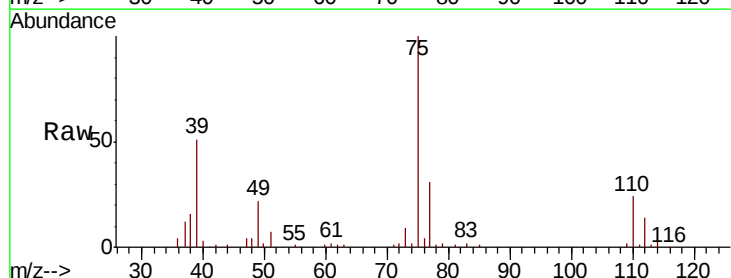
Acq: 14 Mar 2020 13:34

Tgt Ion: 75 Resp: 66641

Ion Ratio Lower Upper

75 100

77 30.5 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VU037239.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU037260.D (-2052) (-)

8.24

40000

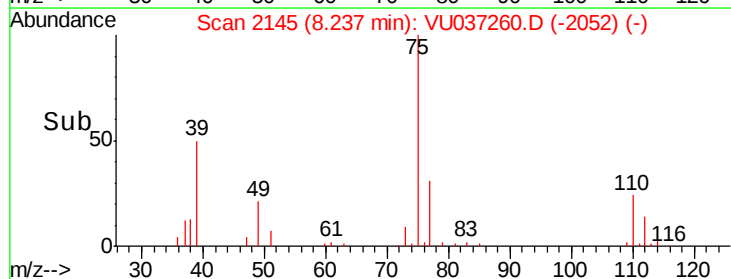
30000

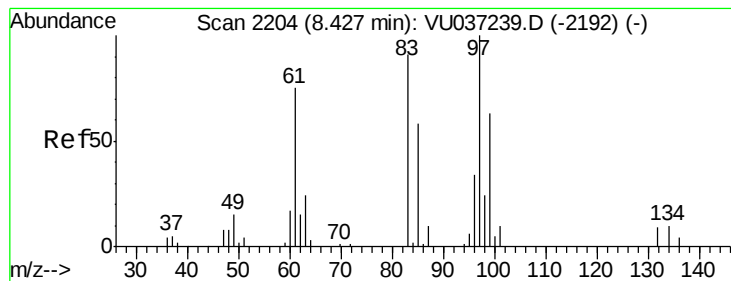
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.999 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tot Ion: 97 Resp: 37187

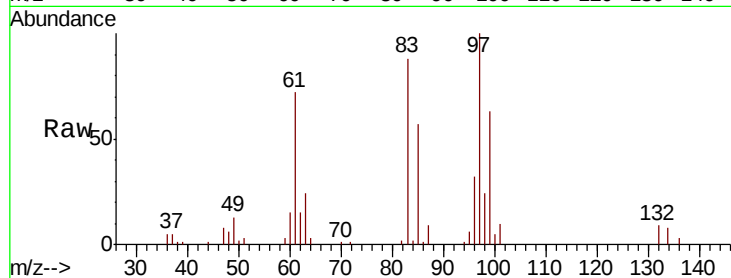
Ion Ratio Lower Upper

97 100

99 63.1 43.6 81.0

83 88.3 60.1 111.7

85 56.6 37.8 70.2

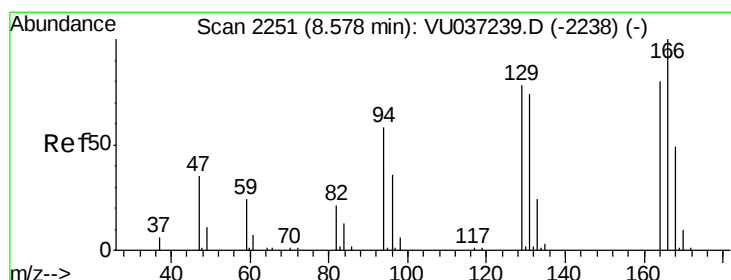
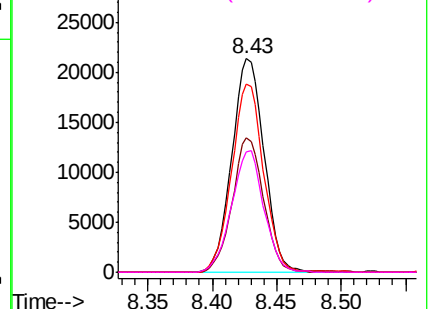
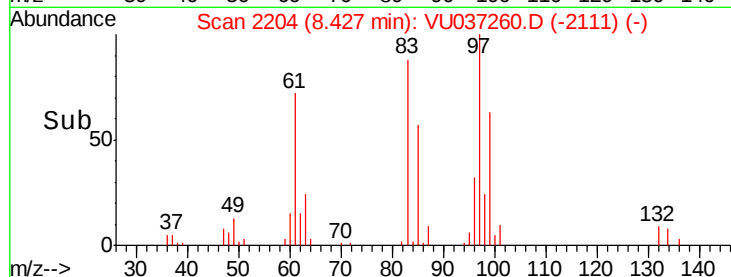


Abundance Ion 96.95 (96.65 to 97.65): VU037260.D (-2111) (-)

Ion 99.05 (98.75 to 99.75): VU037260.D (-2111) (-)

Ion 82.95 (82.65 to 83.65): VU037260.D (-2111) (-)

Ion 85.00 (84.70 to 85.70): VU037260.D (-2111) (-)



#47

Tetrachloroethene

Concen: 5.275 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Tgt Ion: 164 Resp: 43398

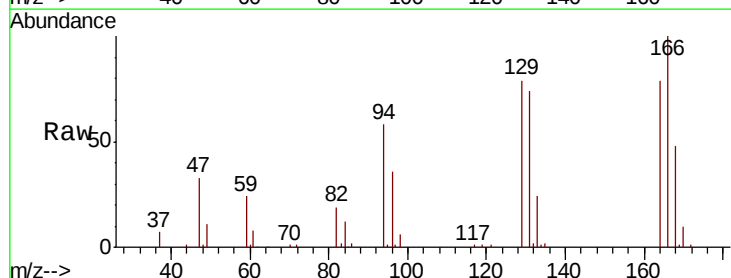
Ion Ratio Lower Upper

164 100

129 100.4 69.8 129.6

131 94.3 66.1 122.8

166 126.8 88.1 163.5

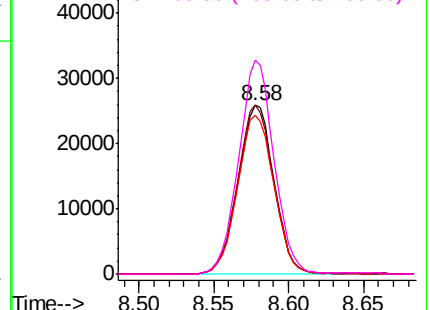
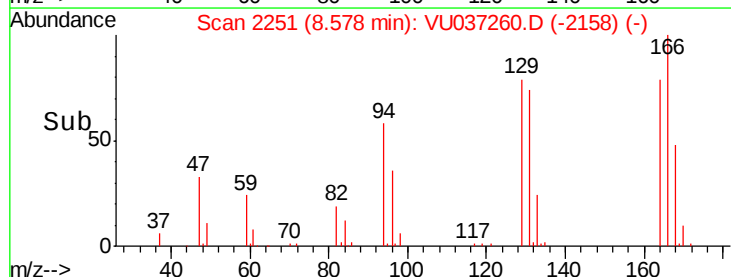


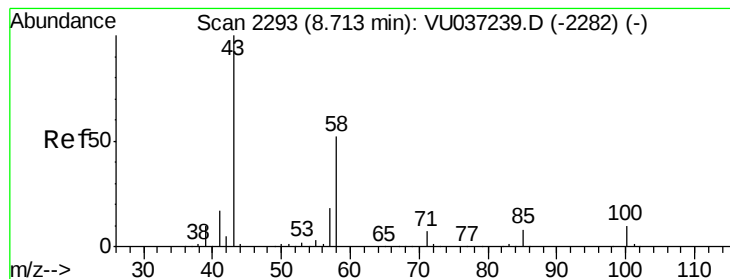
Abundance Ion 163.90 (163.60 to 164.60): VU037260.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU037260.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU037260.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU037260.D (-2158) (-)





#48

2-Hexanone

Concen: 51.919 ug/L

RT: 8.71 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tot Ion: 43 Resp: 264094

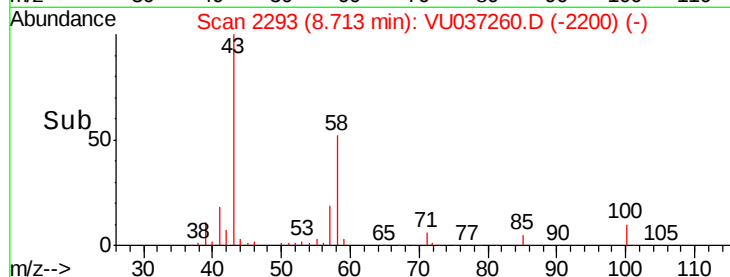
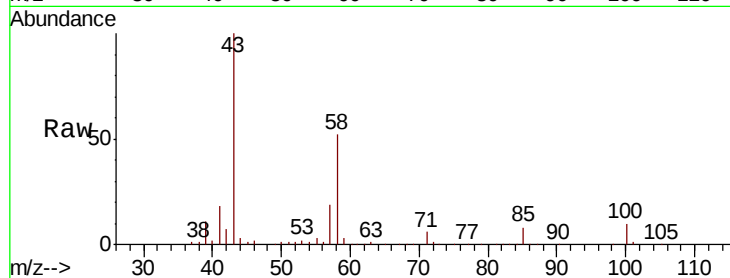
Ion Ratio Lower Upper

43 100

58 48.9 38.6 58.0

57 18.0 13.6 20.4

100 10.2 7.4 11.2

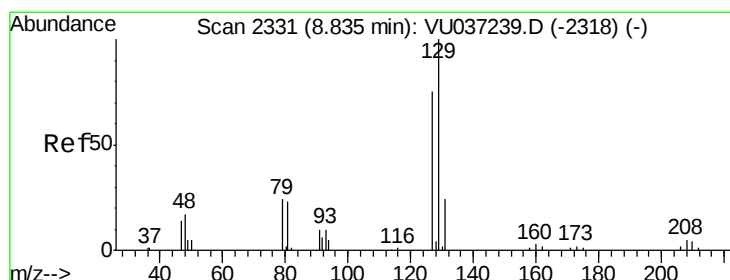
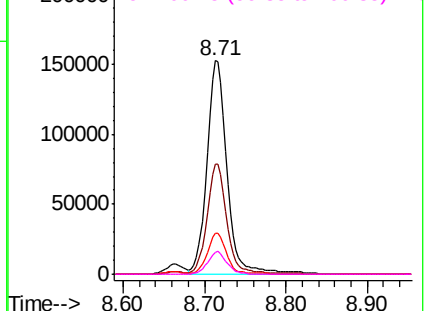


Abundance Ion 43.05 (42.75 to 43.75): VU037260.D (-2200) (-)

Ion 58.05 (57.75 to 58.75): VU037260.D (-2200) (-)

Ion 57.20 (56.90 to 57.90): VU037260.D (-2200) (-)

Ion 100.15 (99.85 to 100.85): VU037260.D (-2200) (-)



#49

Dibromochloromethane

Concen: 5.390 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037260.D

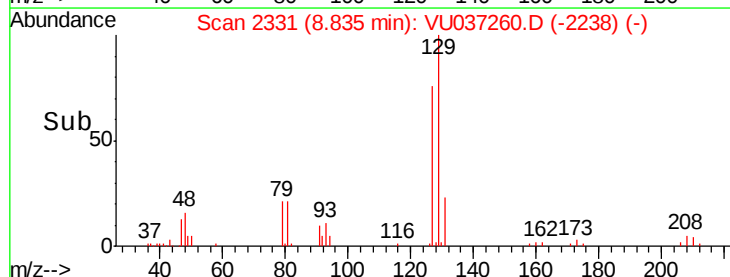
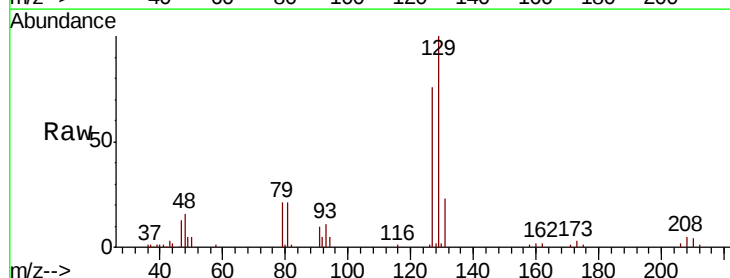
Acq: 14 Mar 2020 13:34

Tgt Ion:129 Resp: 48289

Ion Ratio Lower Upper

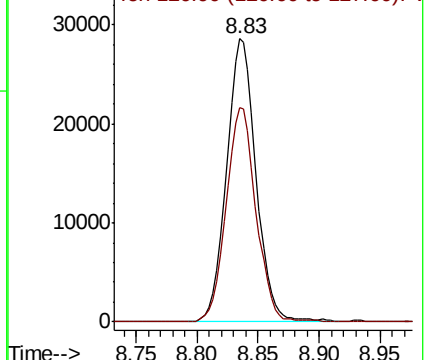
129 100

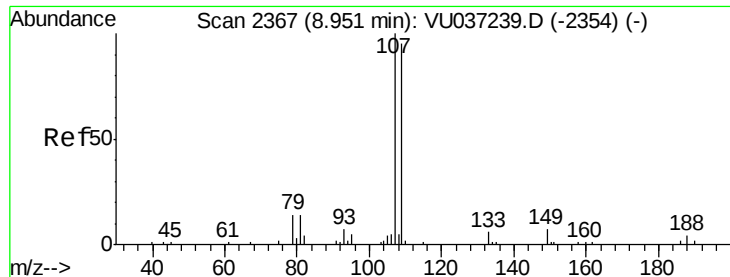
127 75.7 54.9 102.1



Abundance Ion 128.95 (128.65 to 129.65): VU037260.D (-2238) (-)

Ion 126.90 (126.60 to 127.60): VU037260.D (-2238) (-)

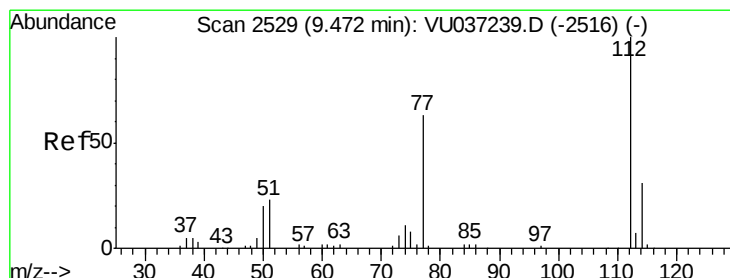
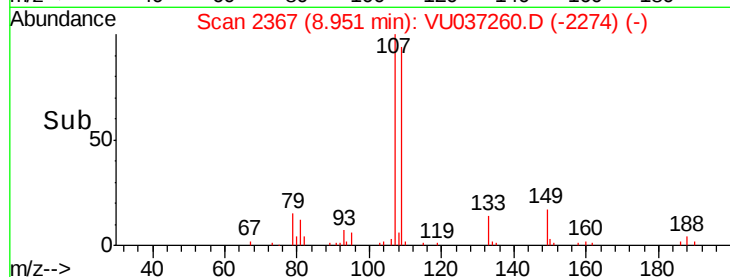
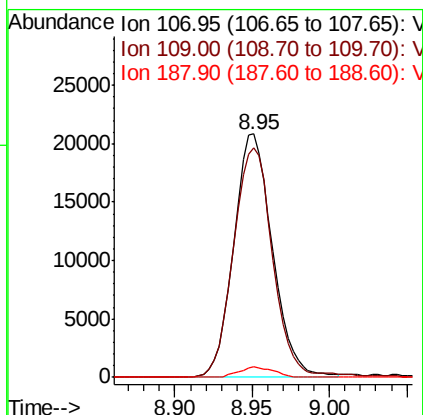
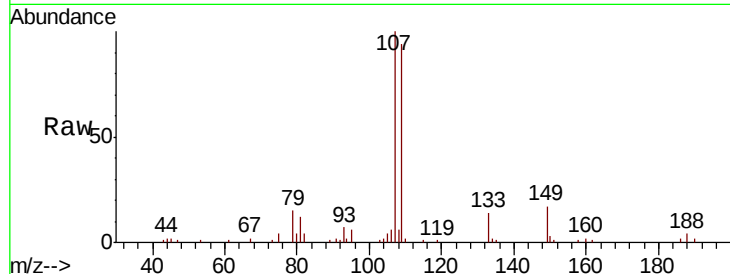




#50
 1,2-Dibromoethane
 Concen: 5.128 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

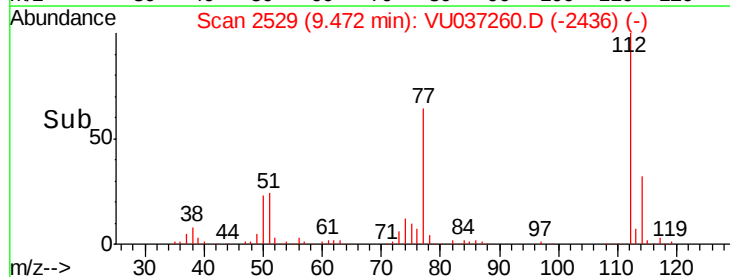
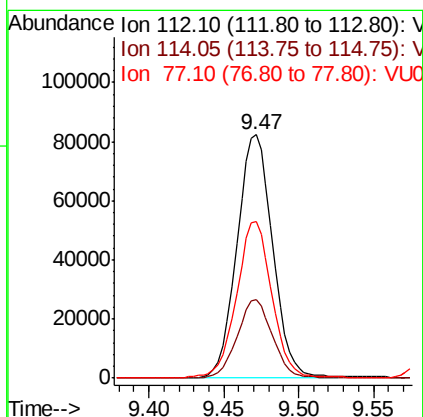
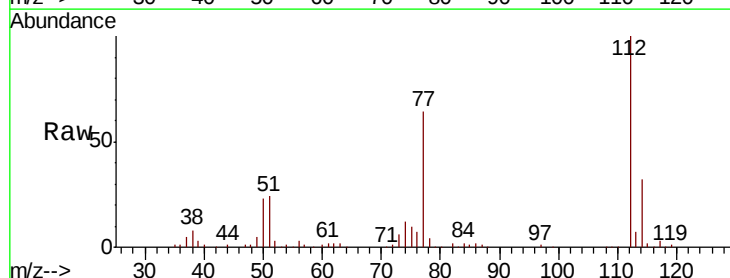
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

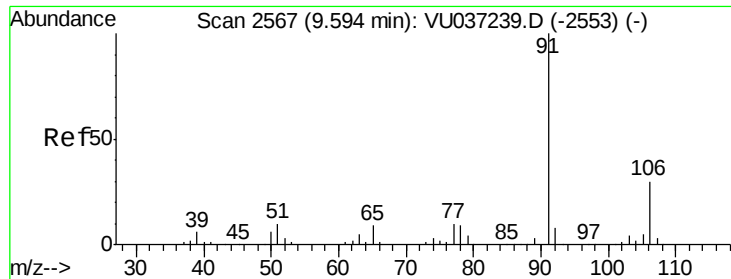
Tot Ion:107 Resp: 36176
 Ion Ratio Lower Upper
 107 100
 109 94.4 68.2 126.6
 188 4.3 2.0 3.0#



#51
 Chlorobenzene
 Concen: 5.058 ug/L
 RT: 9.47 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Tgt Ion:112 Resp: 136966
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.0 40.8
 77 64.2 49.4 74.2





#52

Ethylbenzene

Concen: 5.365 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

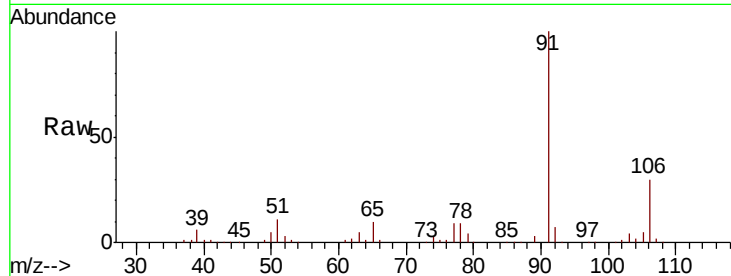
VSTD00510

Tot Ion: 91 Resp: 249541

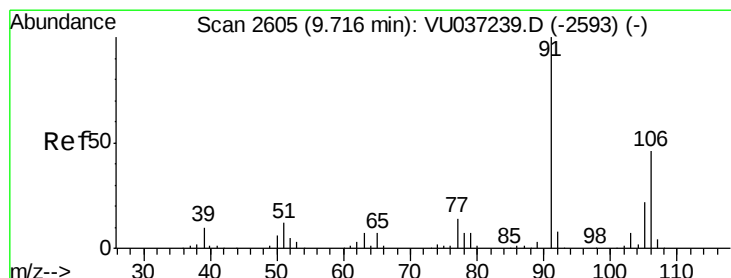
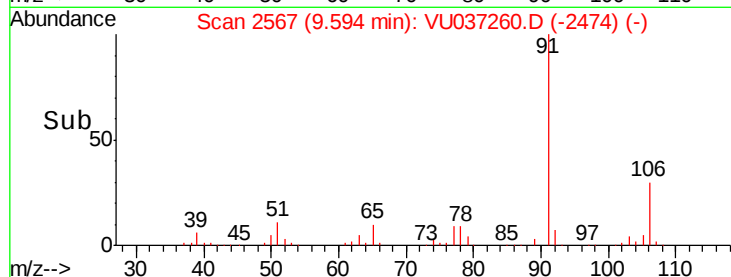
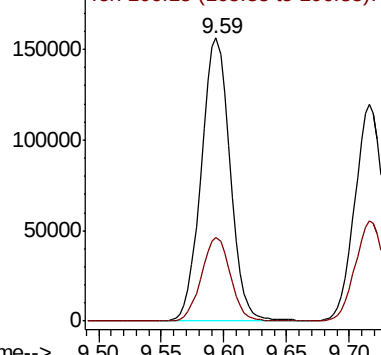
Ion Ratio Lower Upper

91 100

106 29.7 20.4 37.8



Abundance Ion 91.15 (90.85 to 91.85): VU037239.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.480 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037260.D

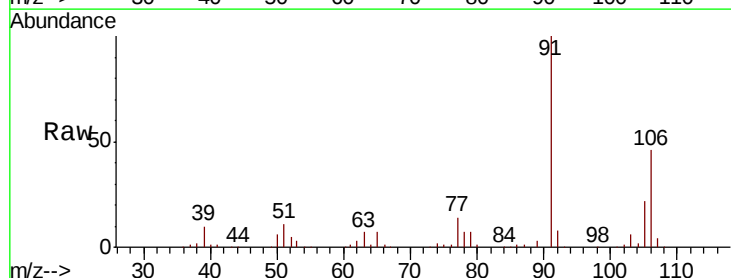
Acq: 14 Mar 2020 13:34

Tgt Ion: 106 Resp: 91624

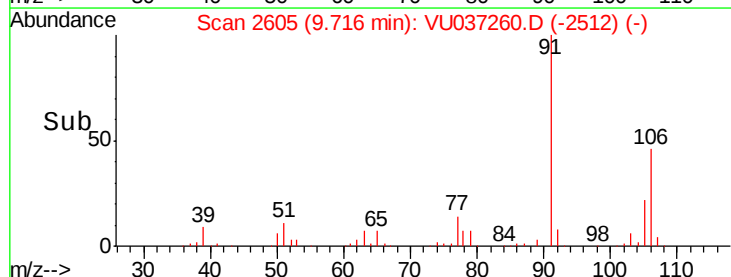
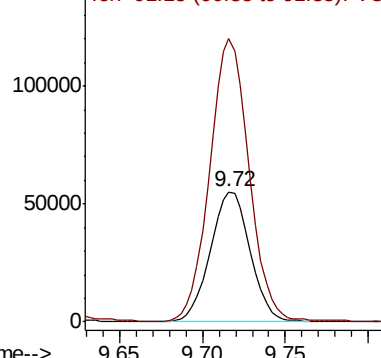
Ion Ratio Lower Upper

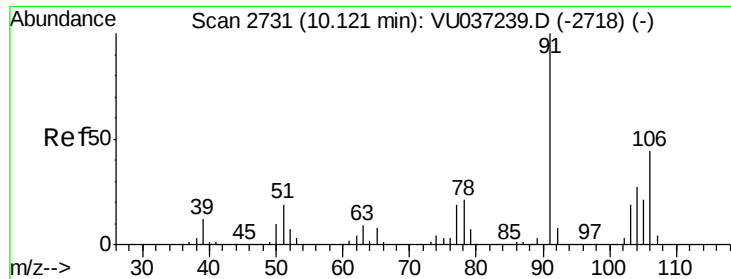
106 100

91 217.0 150.4 279.4



Abundance Ion 106.15 (105.85 to 106.85): VU037260.D (-2512) (-)

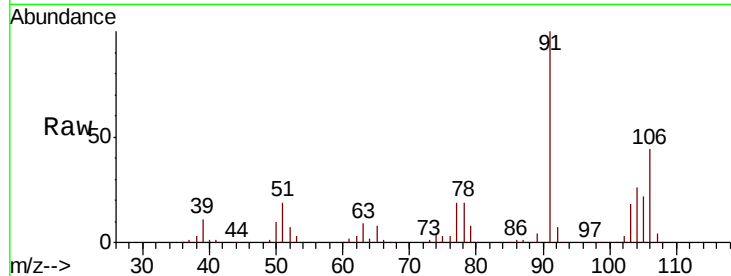




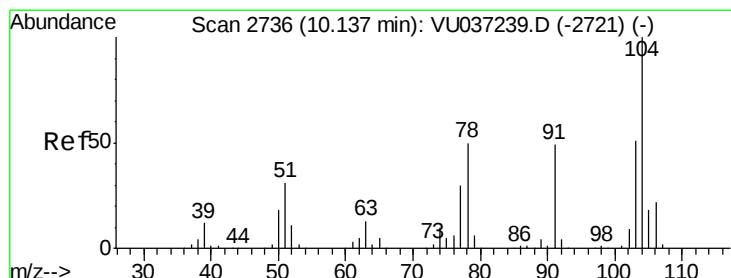
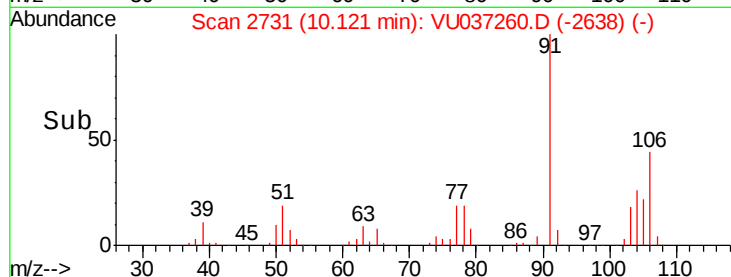
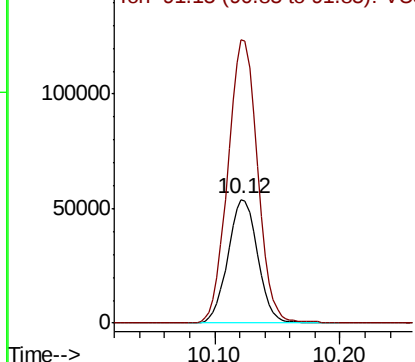
#54
o-Xylene
Concen: 5.469 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU037260.D
Acq: 14 Mar 2020 13:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:106 Resp: 89163
Ion Ratio Lower Upper
106 100
91 228.5 160.6 298.2

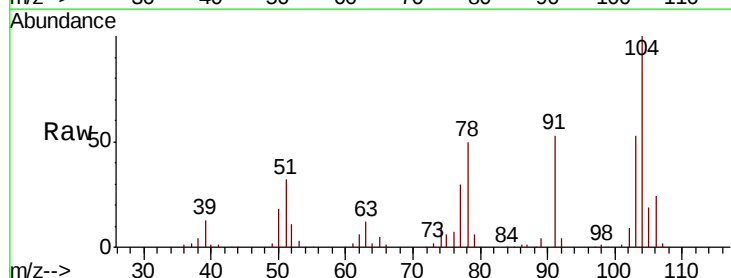


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

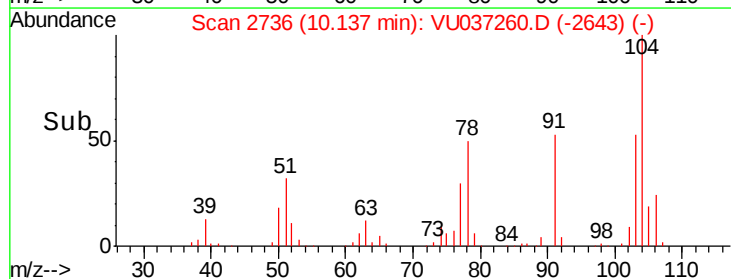
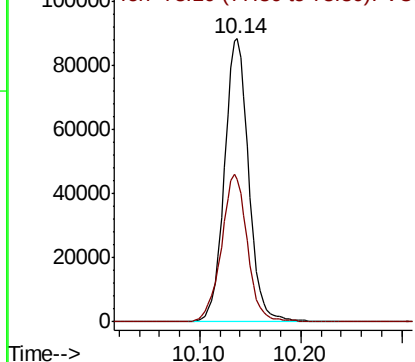


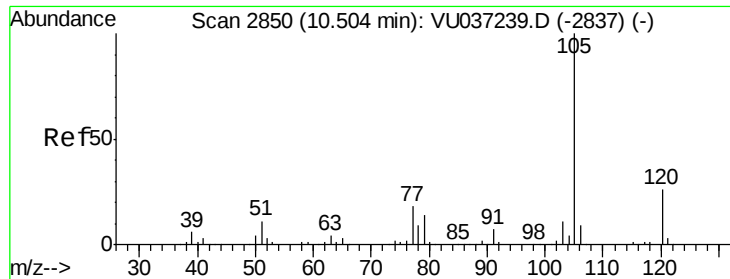
#55
Styrene
Concen: 5.545 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037260.D
Acq: 14 Mar 2020 13:34

Tgt Ion:104 Resp: 148248
Ion Ratio Lower Upper
104 100
78 50.2 36.2 67.2



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





#56

Isopropylbenzene

Concen: 5.708 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

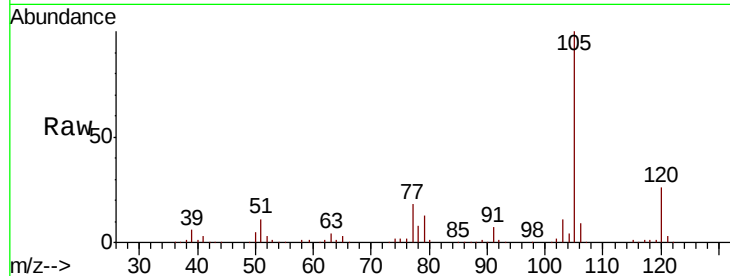
Tot Ion:105 Resp: 249694

Ion Ratio Lower Upper

105 100

120 25.2 20.5 30.7

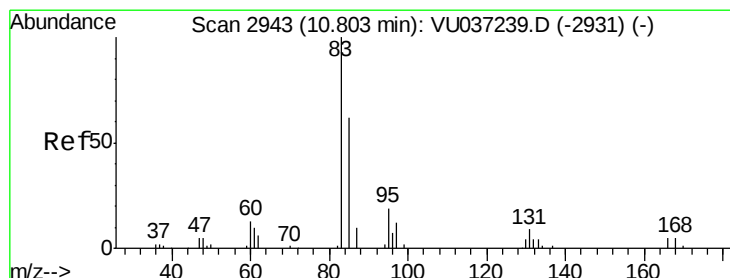
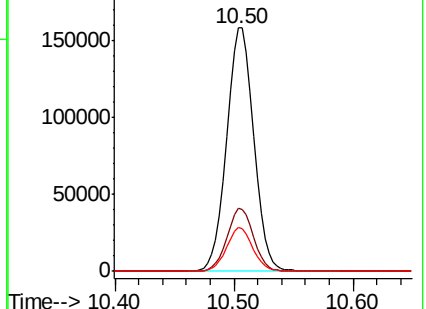
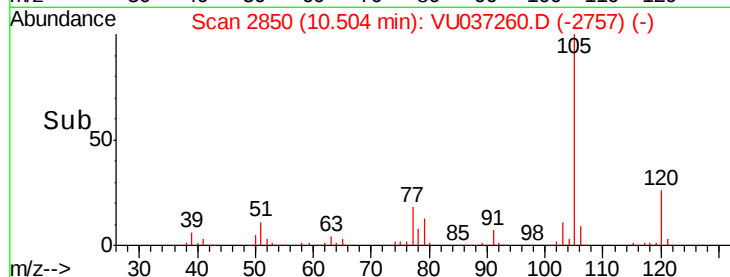
77 17.4 14.2 21.4



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: 5.194 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

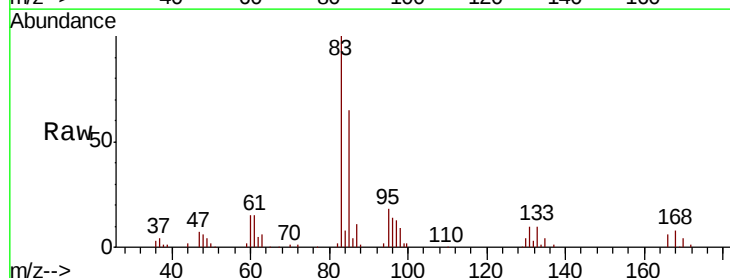
Tgt Ion: 83 Resp: 47710

Ion Ratio Lower Upper

83 100

85 64.9 43.0 80.0

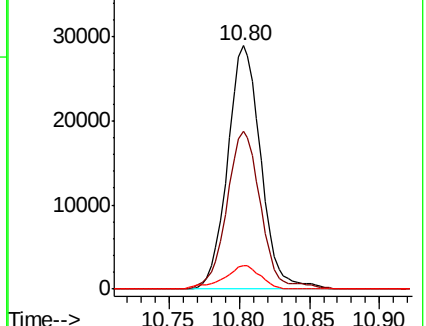
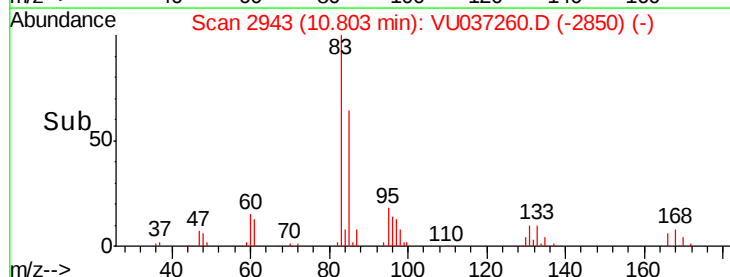
131 9.8 8.2 12.2

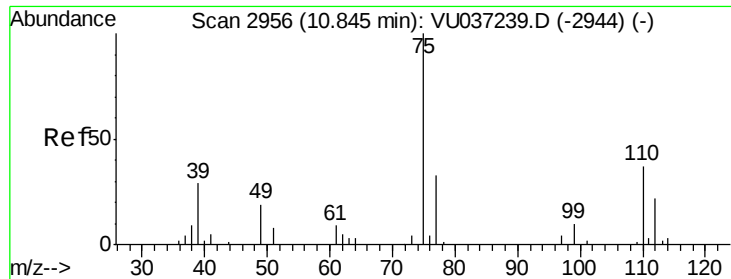


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

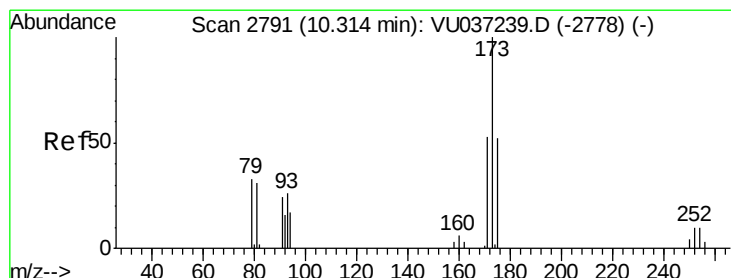
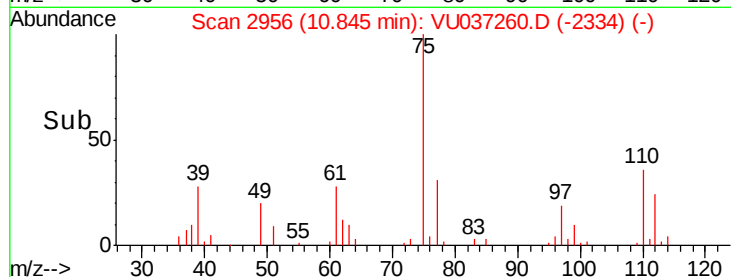
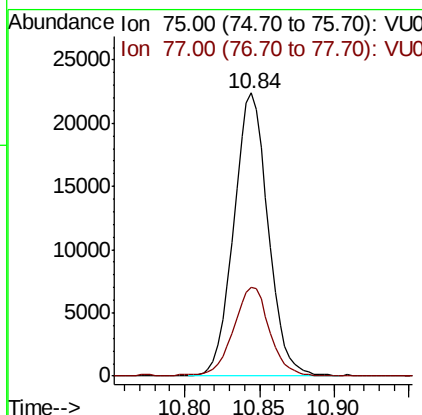
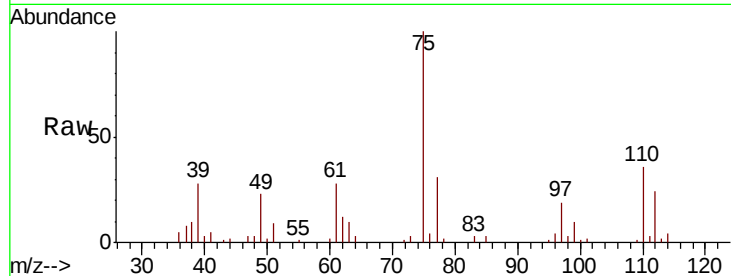




#59
 1,2,3-Trichloropropane
 Concen: 4.844 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

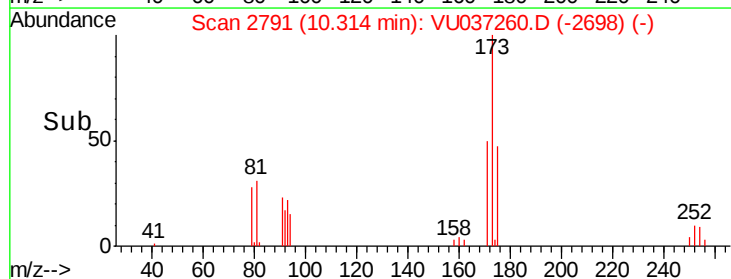
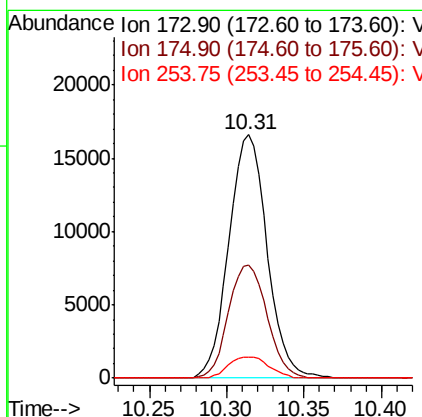
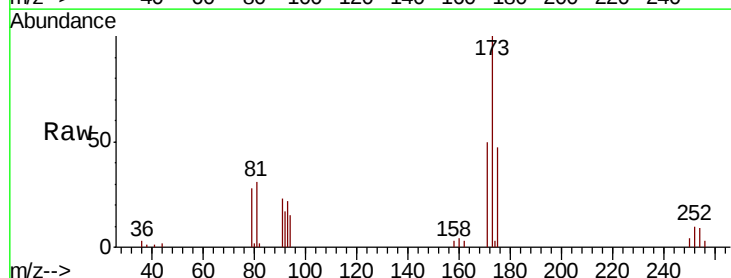
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

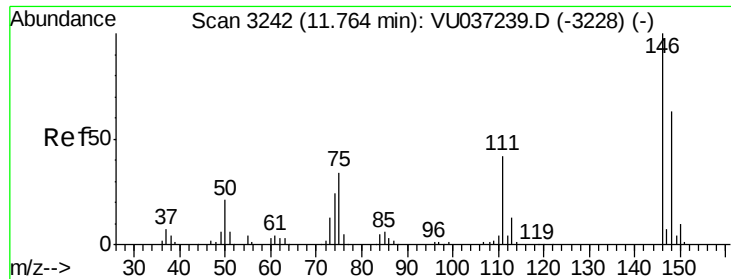
Tot Ion: 75 Resp: 35739
 Ion Ratio Lower Upper
 75 100
 77 33.2 27.4 41.0



#61
 Bromoform
 Concen: 5.572 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Tgt Ion: 173 Resp: 28460
 Ion Ratio Lower Upper
 173 100
 175 46.8 37.4 56.2
 254 9.1 3.5 5.3#





#62

1,3-Dichlorobenzene

Concen: 5.100 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

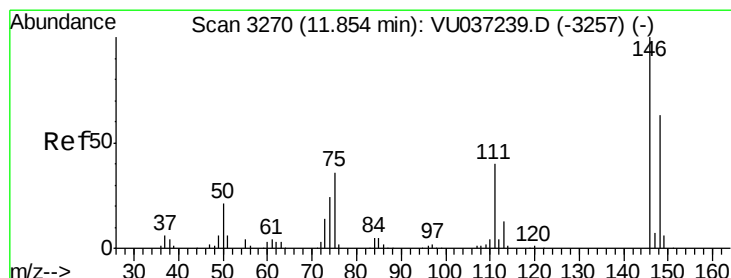
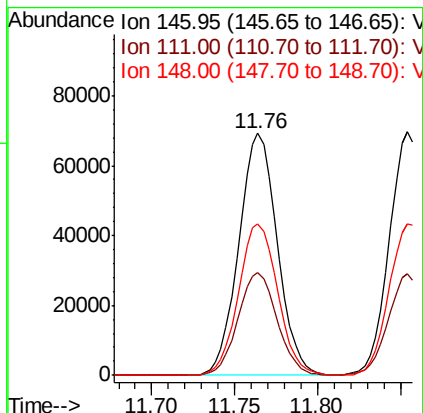
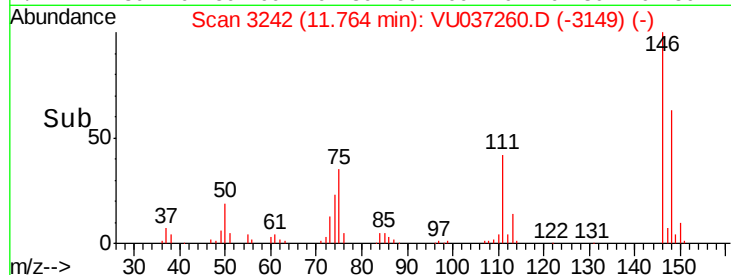
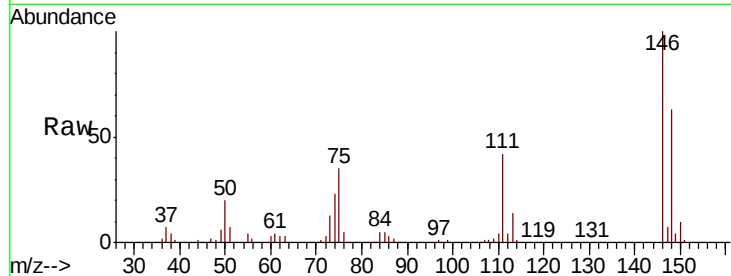
Tot Ion:146 Resp: 111884

Ion Ratio Lower Upper

146 100

111 42.3 30.6 56.8

148 62.7 46.2 85.8



#63

1,4-Dichlorobenzene

Concen: 5.064 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

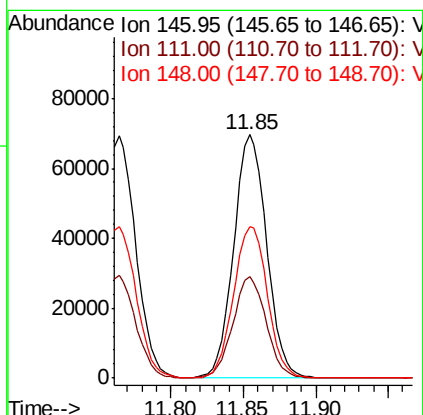
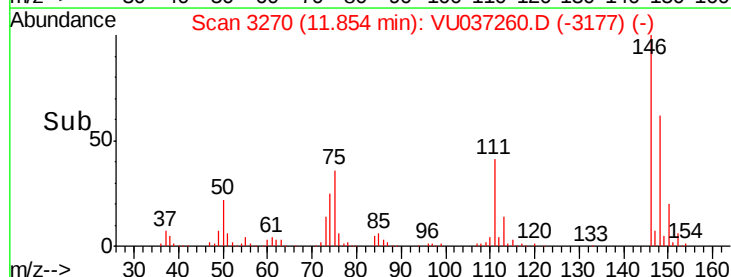
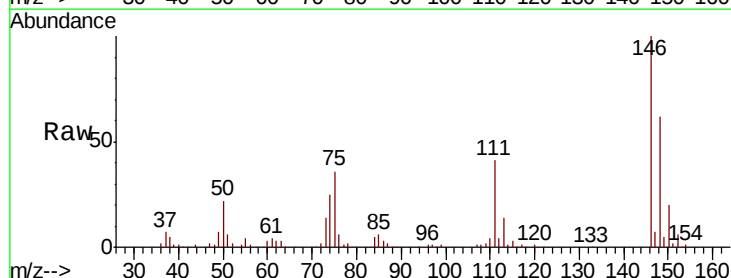
Tgt Ion:146 Resp: 110320

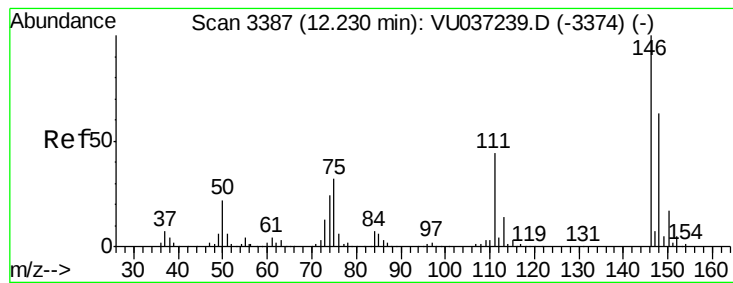
Ion Ratio Lower Upper

146 100

111 41.5 28.4 52.8

148 62.3 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 5.057 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampled :

VSTD00510

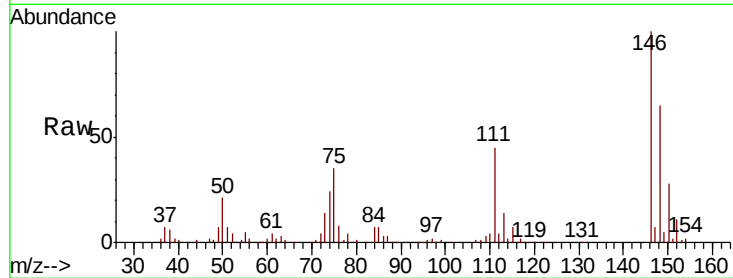
Tot Ion:146 Resp: 105174

Ion Ratio Lower Upper

146 100

111 44.9 35.5 53.3

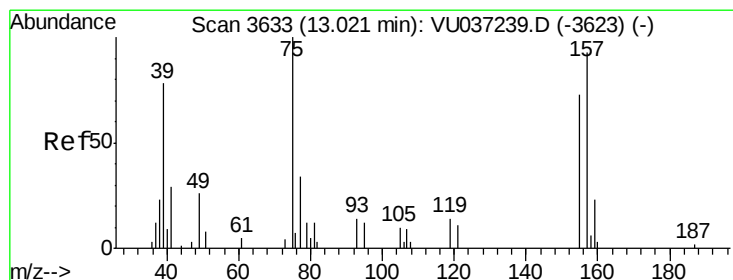
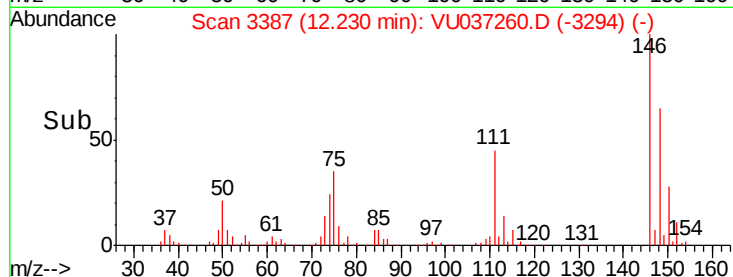
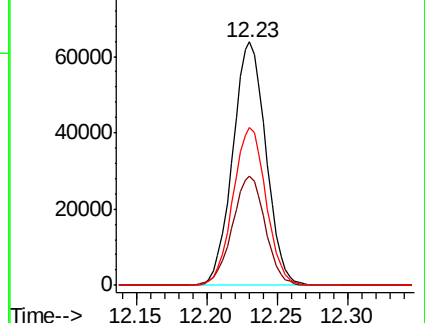
148 64.9 51.4 77.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.542 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

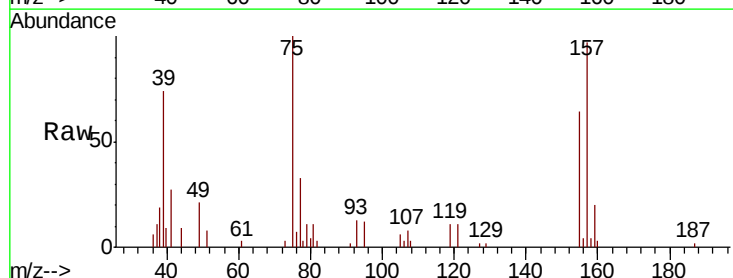
Tgt Ion: 75 Resp: 8849

Ion Ratio Lower Upper

75 100

155 64.1 55.5 83.3

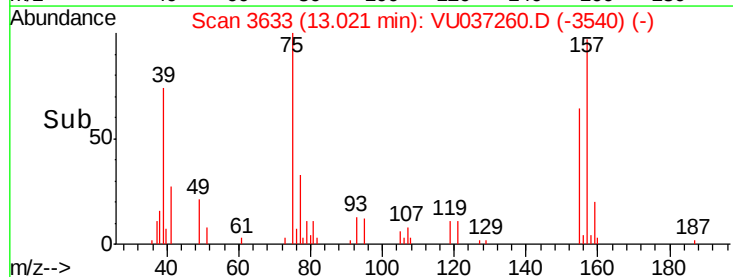
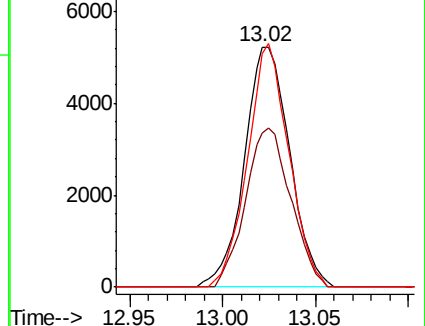
157 97.1 73.1 109.7

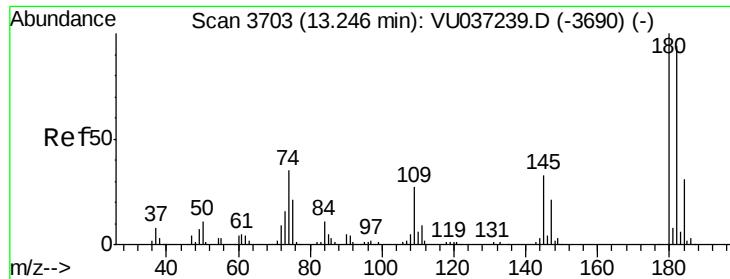


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

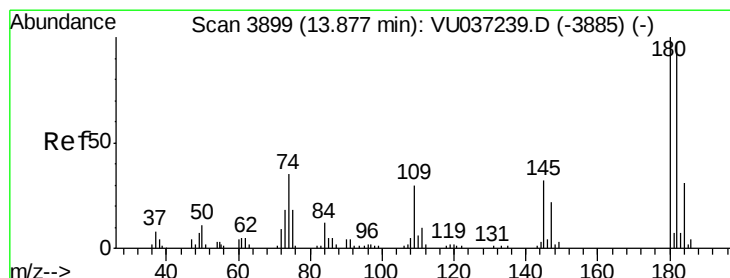
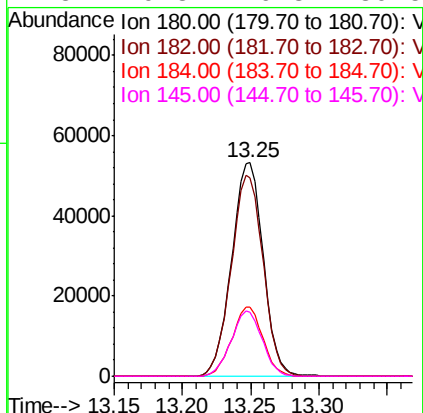
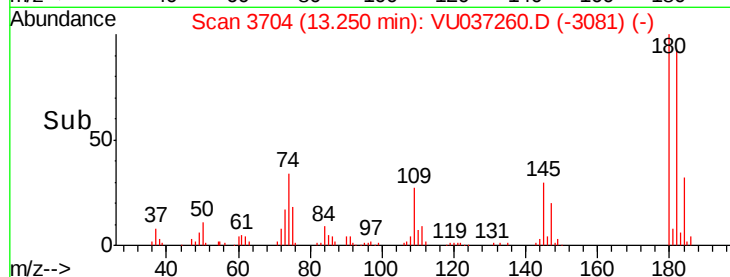
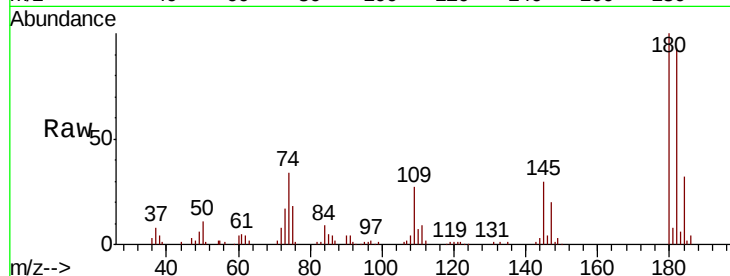




#67
 1,3,5-Trichlorobenzene
 Concen: 5.717 ug/L
 RT: 13.25 min Scan# 3704
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

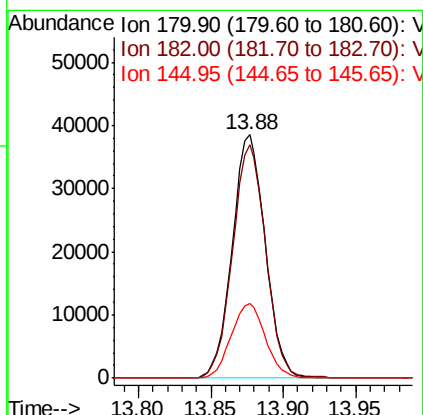
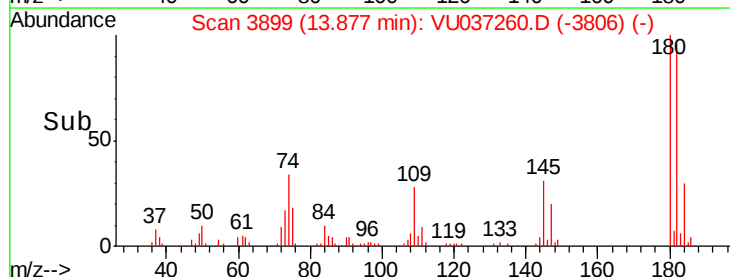
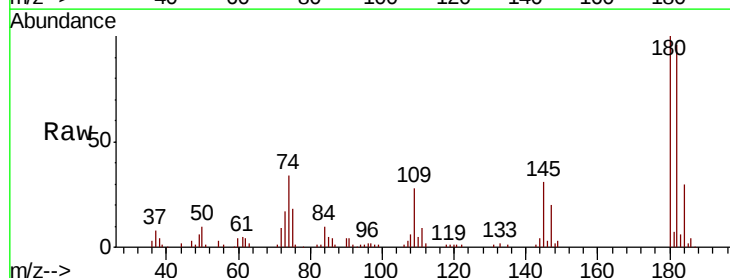
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

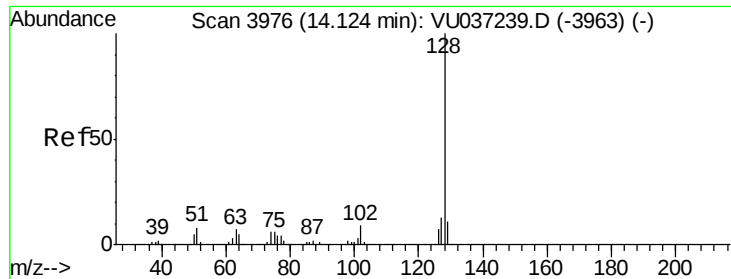
Tot Ion:180 Resp: 85849
 Ion Ratio Lower Upper
 180 100
 182 94.5 73.6 110.4
 184 31.6 24.1 36.1
 145 29.8 26.3 39.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.964 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU037260.D
 Acq: 14 Mar 2020 13:34

Tgt Ion:180 Resp: 60734
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.7 115.1
 145 31.7 26.6 39.8





#69

Naphthalene

Concen: 5.700 ug/L

RT: 14.13 min Scan# 3977

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

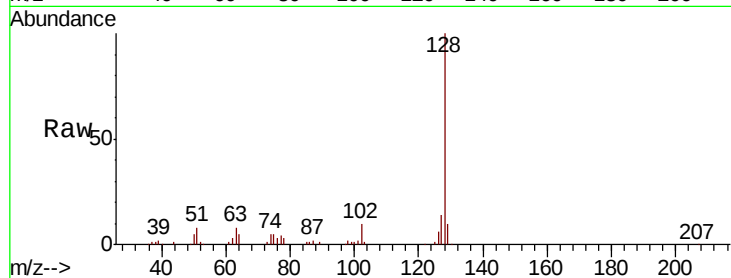
Tot Ion:128 Resp: 82907

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

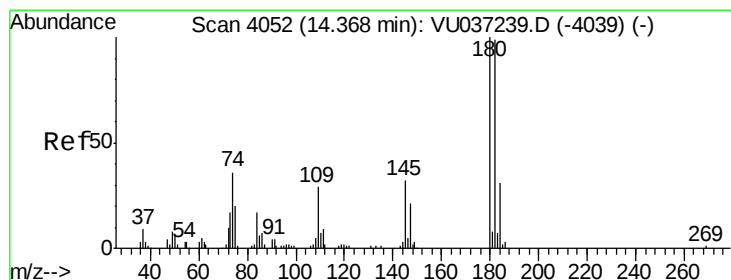
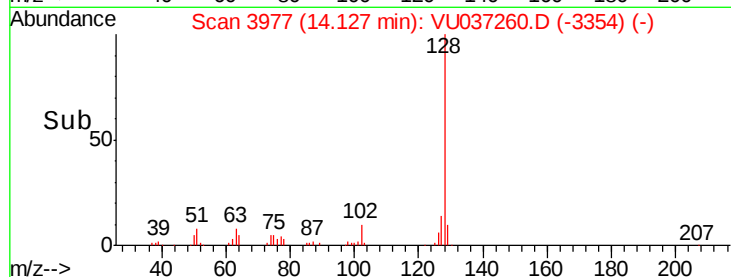
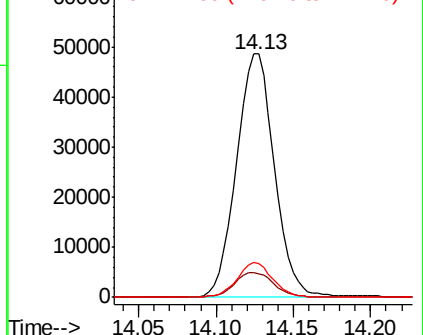
127 13.4 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.766 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VU037260.D

Acq: 14 Mar 2020 13:34

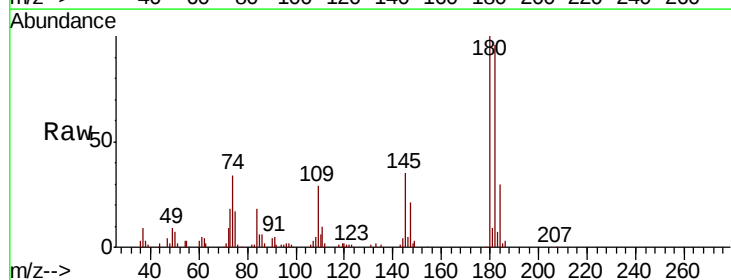
Tgt Ion:180 Resp: 55093

Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 33.9 28.2 42.4



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

