

Data File : VU037345.D
Acq On : 19 Mar 2020 18:42
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Quant Time: Mar 20 02:02:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 20 01:58:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	148230	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	148185	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	78410	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	29578	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.93	69	28529	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	2.59	63	70013	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.40%
20) 2-Butanone-d5	4.67	46	111310	47.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.42%
24) Chloroform-d	5.11	84	81335	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.74	65	47153	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	5.76	84	135541	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.72	67	45757	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.92	98	129834	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.20	79	19652	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.66	63	96212	47.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.10%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	42609	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	55811	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	76171	4.440 ug/L	97
3) Chloromethane	1.53	50	75388	4.477 ug/L	97
5) Vinyl chloride	1.62	62	66968	4.442 ug/L	99
6) Bromomethane	1.87	94	21709	2.831 ug/L	96
8) Chloroethane	1.95	64	38174	4.390 ug/L	98
9) Trichlorofluoromethane	2.16	101	104254	4.584 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	49223	4.675 ug/L	96
12) 1,1-Dichloroethene	2.60	96	42638	4.487 ug/L	91
13) Acetone	2.66	43	82617	41.863 ug/L	99
14) Carbon disulfide	2.82	76	131764	4.302 ug/L	97
15) Methyl Acetate	2.98	43	21584	4.757 ug/L	98
16) Methylene chloride	3.08	84	49007	4.285 ug/L	96
17) Methyl tert-butyl Ether	3.40	73	120240	4.401 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	46813	4.571 ug/L	98
19) 1,1-Dichloroethane	3.91	63	92720	4.494 ug/L	95
21) 2-Butanone	4.75	43	138462	43.935 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	52953	4.660 ug/L	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	23104	4.488	ug/L	98
25) Chloroform	5.13	83	102570	4.567	ug/L	99
27) 1,2-Dichloroethane	5.83	62	67649	4.286	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	91057	4.493	ug/L	99
30) Cyclohexane	5.43	56	76983	4.240	ug/L	96
31) Carbon tetrachloride	5.56	117	83081	4.659	ug/L	100
33) Benzene	5.81	78	197993	4.449	ug/L	100
34) Trichloroethene	6.57	95	54038	4.445	ug/L	94
35) Methylcyclohexane	6.79	83	81693	4.443	ug/L	97
37) 1,2-Dichloropropane	6.82	63	52648	4.473	ug/L	100
38) Bromodichloromethane	7.14	83	74231	4.482	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	80382	4.543	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	344999	43.465	ug/L	99
42) Toluene	8.00	91	221317	4.613	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	69885	4.708	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	38385	4.523	ug/L	95
47) Tetrachloroethene	8.58	164	43545	4.611	ug/L	96
48) 2-Hexanone	8.71	43	258541	44.358	ug/L	99
49) Dibromochloromethane	8.83	129	51071	4.614	ug/L	99
50) 1,2-Dibromoethane	8.95	107	38194	4.632	ug/L	99
51) Chlorobenzene	9.47	112	139603	4.508	ug/L	98
52) Ethylbenzene	9.59	91	247590	4.548	ug/L	100
53) m,p-Xylene	9.72	106	91132	4.552	ug/L	97
54) o-Xylene	10.12	106	90568	4.739	ug/L	99
55) Styrene	10.13	104	151115	4.699	ug/L	97
56) Isopropylbenzene	10.50	105	245285	4.593	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	50088	4.477	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	36766	4.398	ug/L	96
61) Bromoform	10.31	173	30815	4.458	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	119364	4.535	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	116474	4.445	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	110870	4.327	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	9046	4.533	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	91101	4.536	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	70769	5.075	ug/L	98
69) Naphthalene	14.12	128	103821	5.198	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	67427	4.990	ug/L	99

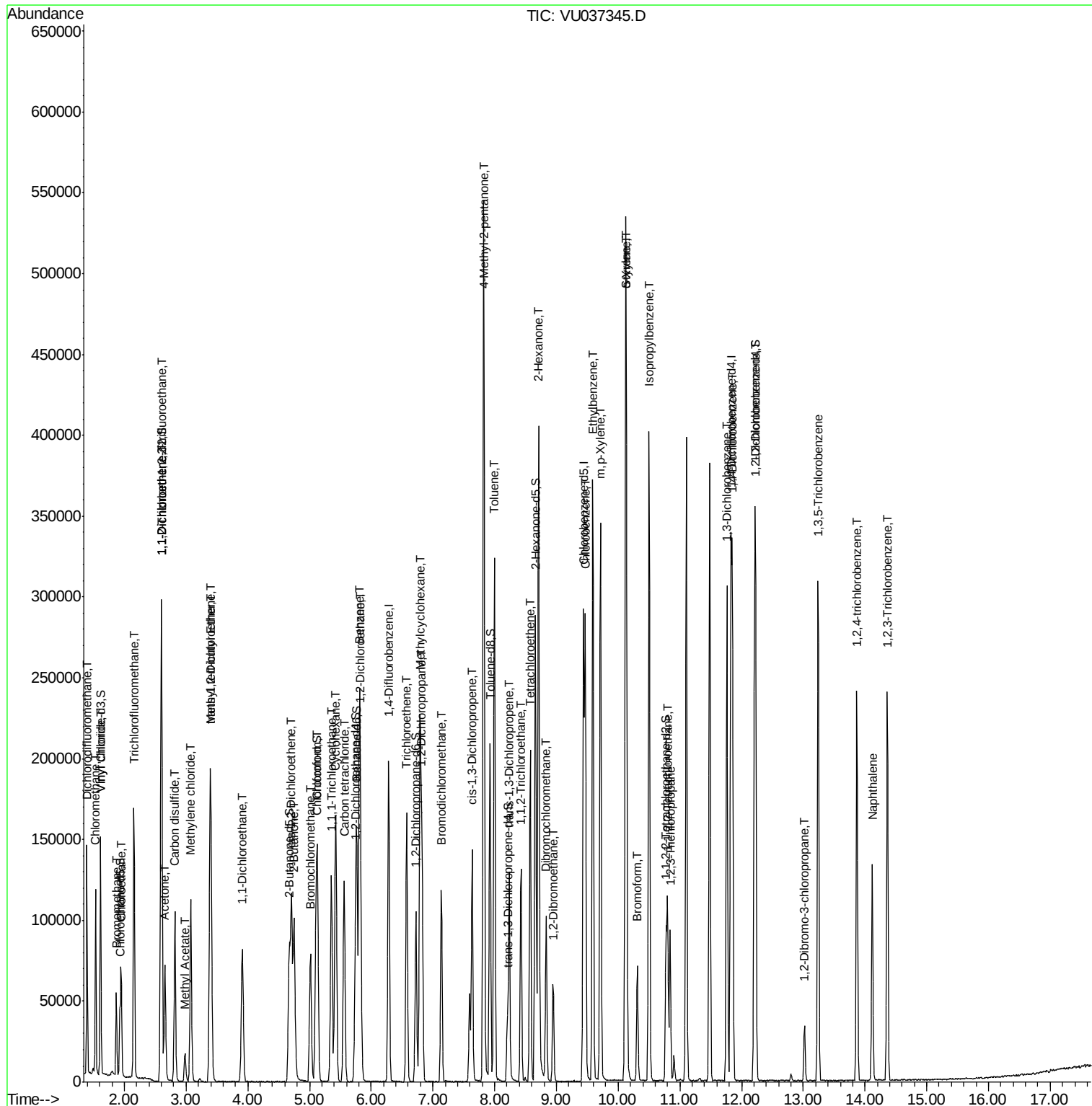
(#) = qualifier out of range (m) = manual integration (+) = signals summed

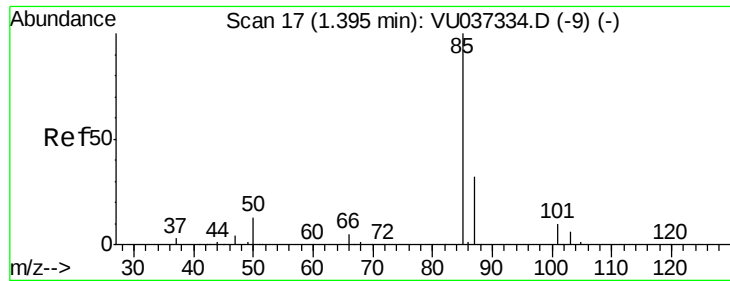
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#2

Dichlorodifluoromethane

Concen: 4.440 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

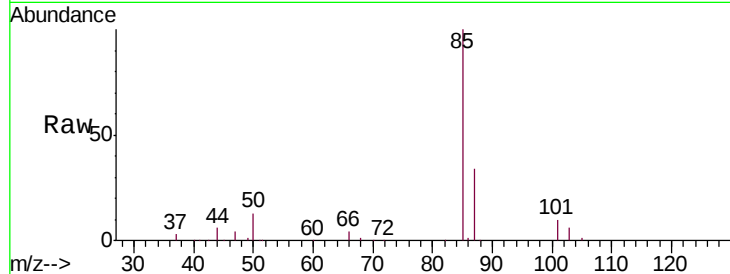
VSTD00514

Tgt Ion: 85 Resp: 76171

Ion Ratio Lower Upper

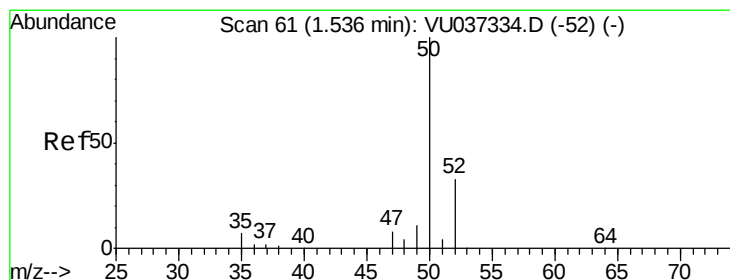
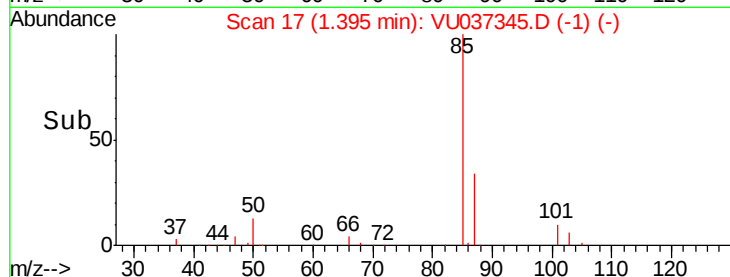
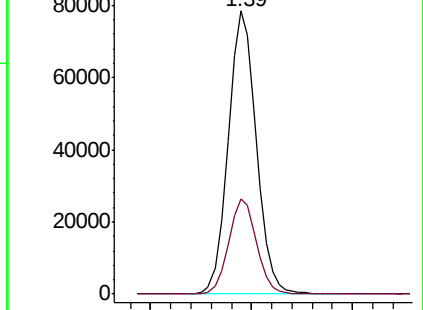
85 100

87 33.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037334.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037334.D (-9) (-)



#3

Chloromethane

Concen: 4.477 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU037345.D

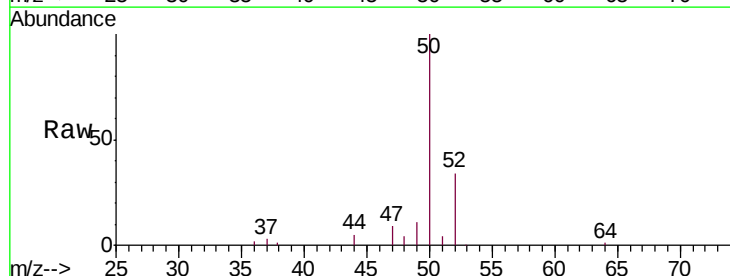
Acq: 19 Mar 2020 18:42

Tgt Ion: 50 Resp: 75388

Ion Ratio Lower Upper

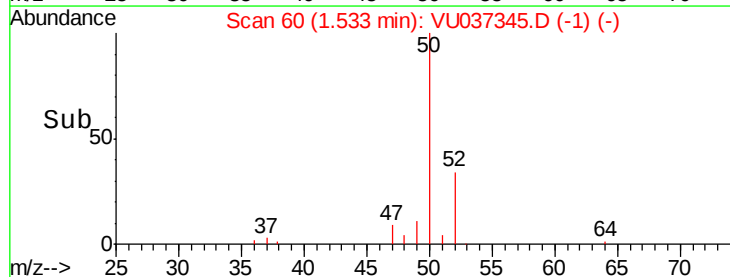
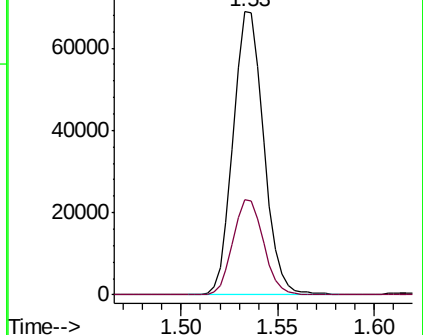
50 100

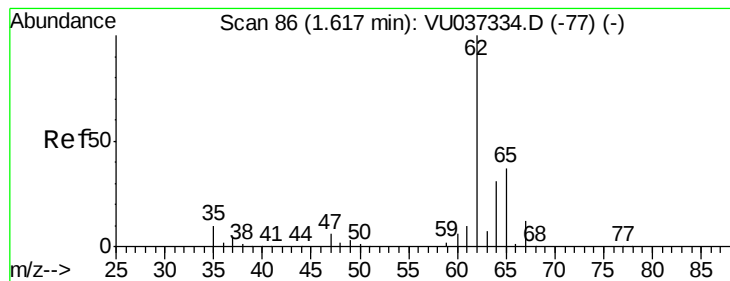
52 33.6 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU037334.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU037334.D (-52) (-)





#5

Vinyl chloride

Concen: 4.442 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

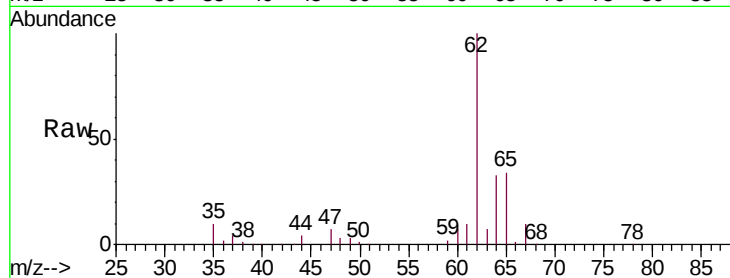
VSTD00514

Tgt Ion: 62 Resp: 66968

Ion Ratio Lower Upper

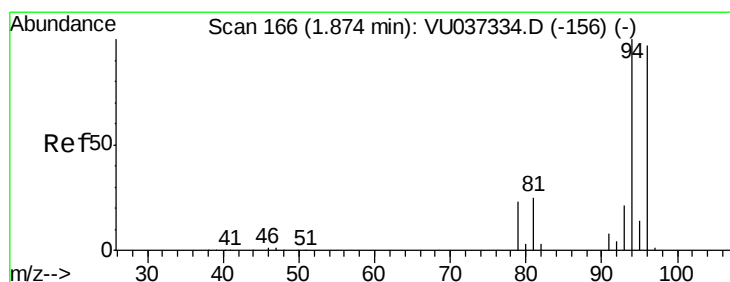
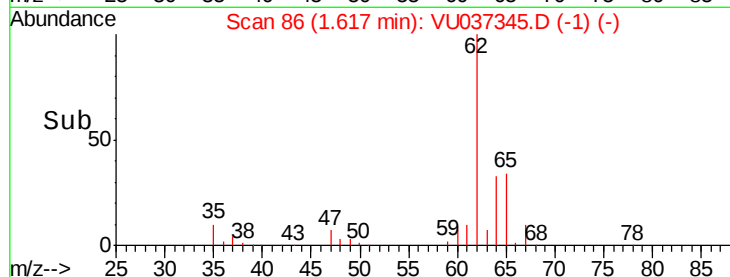
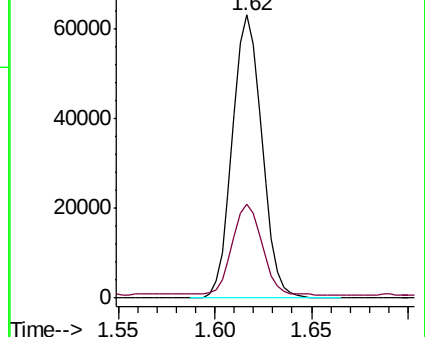
62 100

64 33.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037345.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037345.D (-77) (-)



#6

Bromomethane

Concen: 2.831 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU037345.D

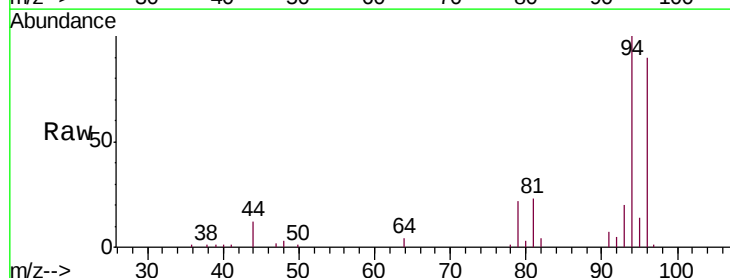
Acq: 19 Mar 2020 18:42

Tgt Ion: 94 Resp: 21709

Ion Ratio Lower Upper

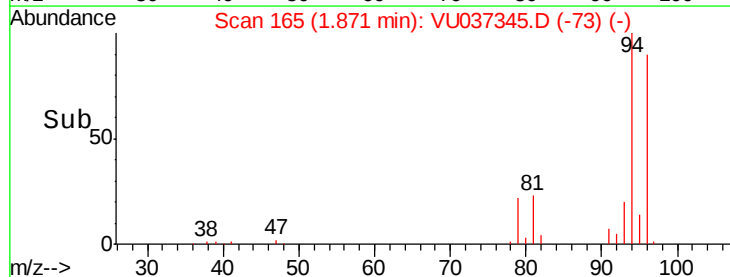
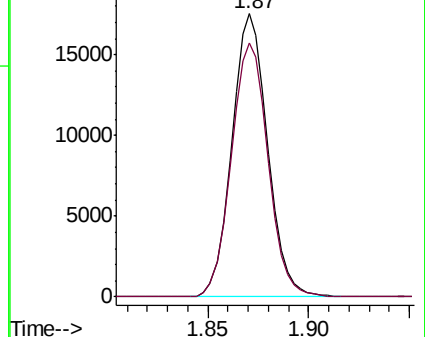
94 100

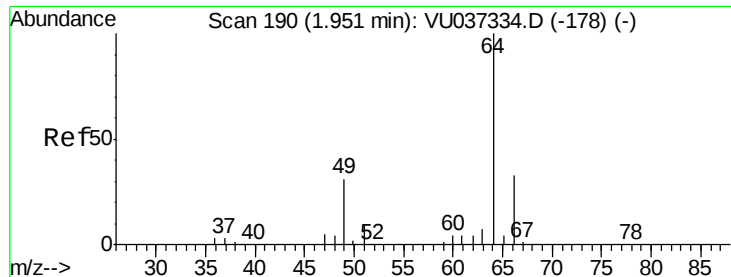
96 89.9 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU037345.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037345.D (-156) (-)





#8

Chloroethane

Concen: 4.390 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

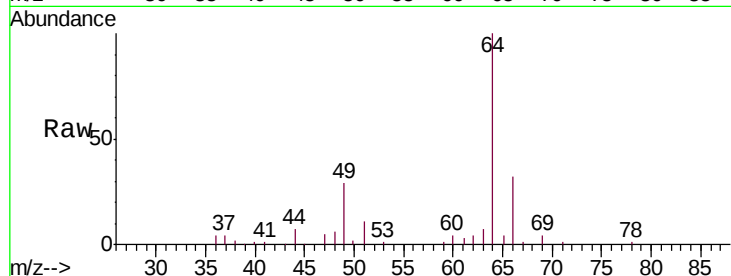
VSTD00514

Tgt Ion: 64 Resp: 38174

Ion Ratio Lower Upper

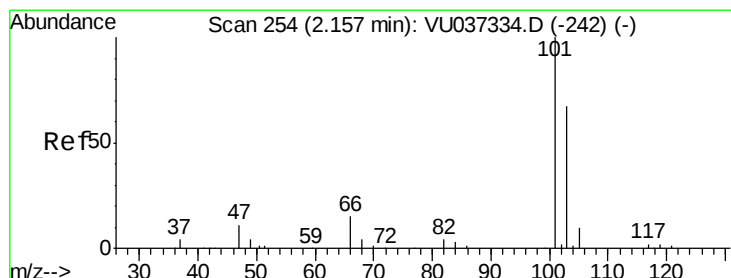
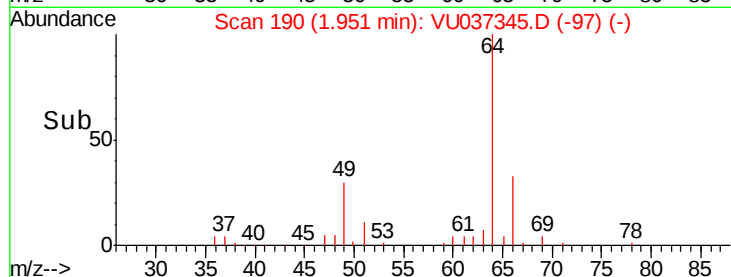
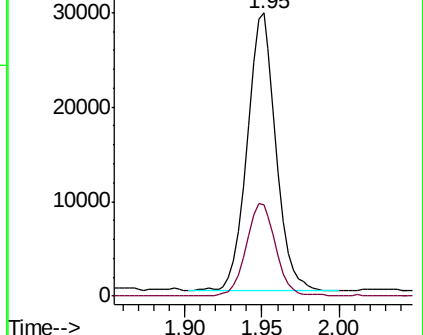
64 100

66 32.3 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VU037345.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037345.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 4.584 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037345.D

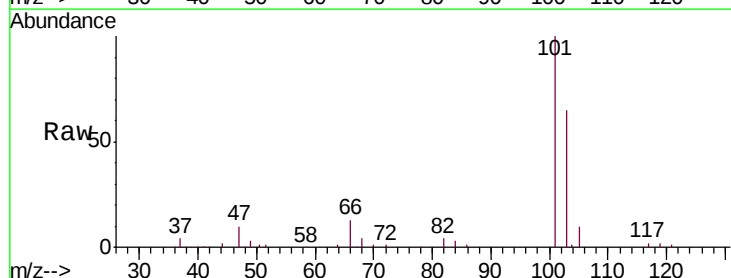
Acq: 19 Mar 2020 18:42

Tgt Ion: 101 Resp: 104254

Ion Ratio Lower Upper

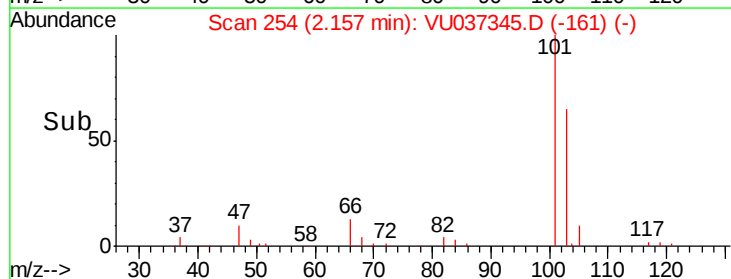
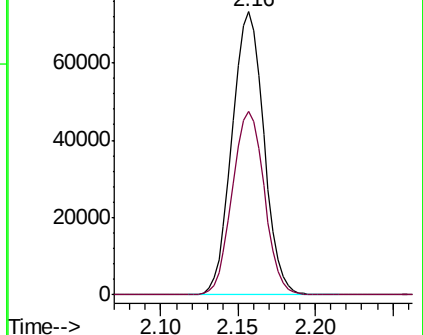
101 100

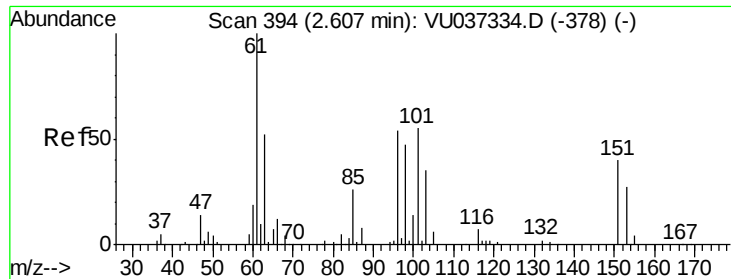
103 65.5 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VU037334.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037334.D (-242) (-)





#10

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

Concen: 4.675 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

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ClientSampleId :

VSTD00514

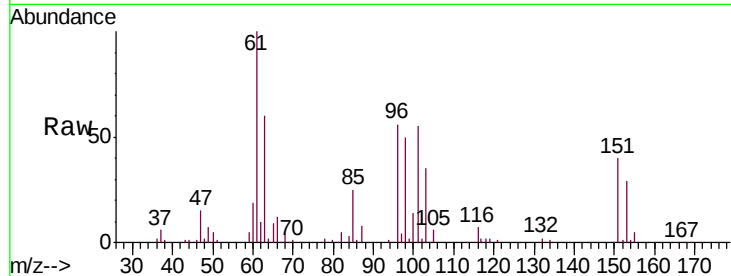
Tgt Ion: 101 Resp: 49223

Ion Ratio Lower Upper

101 100

85 45.8 39.1 58.7

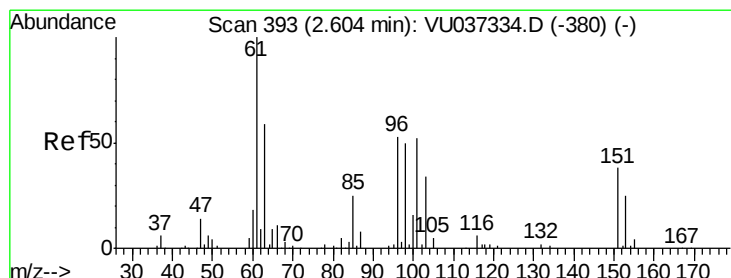
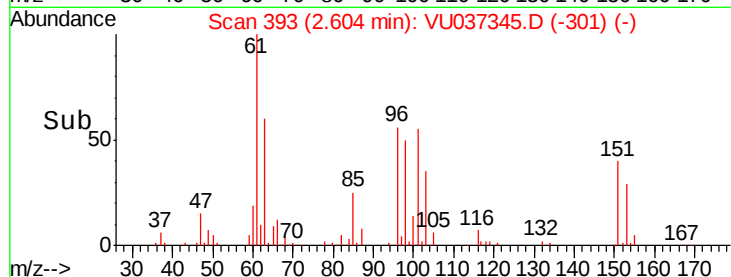
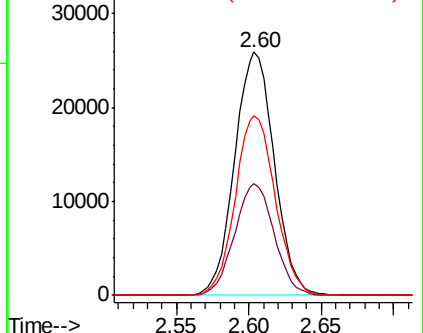
151 74.2 62.5 93.7



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: 4.487 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

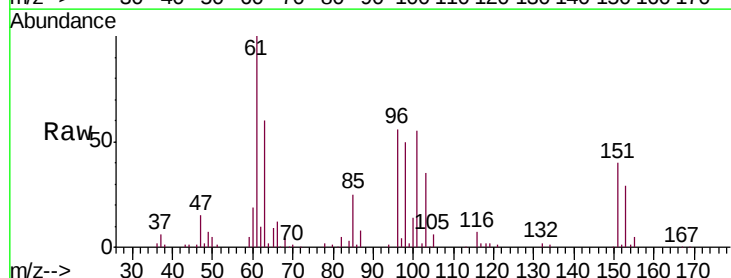
Tgt Ion: 96 Resp: 42638

Ion Ratio Lower Upper

96 100

61 177.4 134.3 249.5

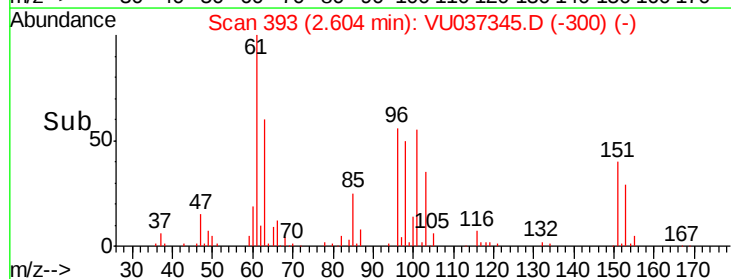
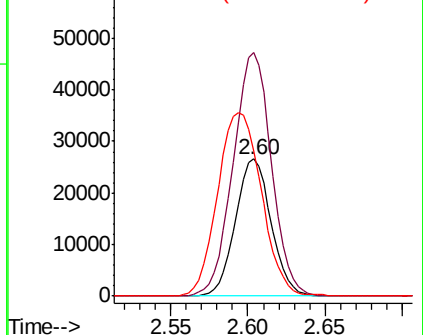
63 106.1 80.3 149.1

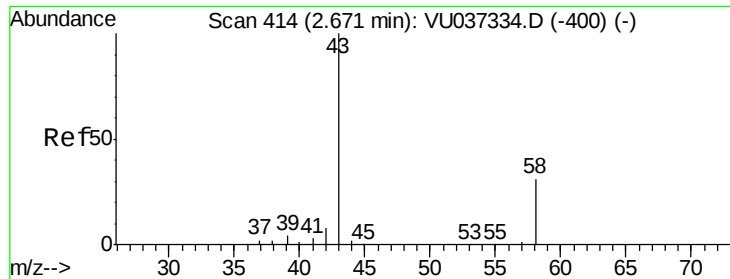


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 41.863 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

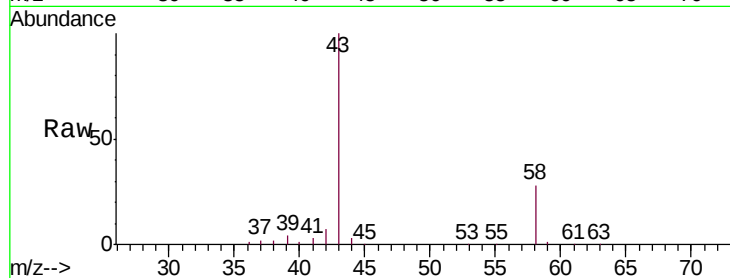
VSTD00514

Tgt Ion: 43 Resp: 82617

Ion Ratio Lower Upper

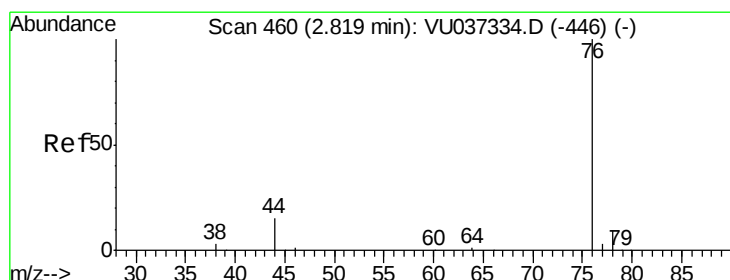
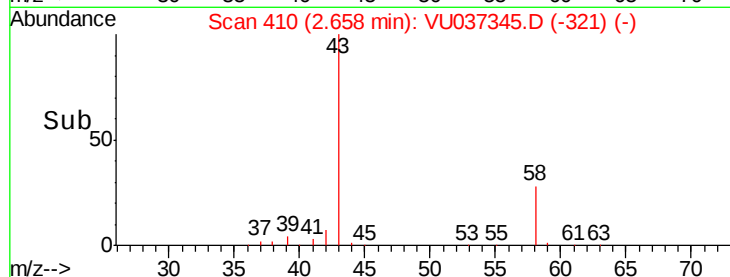
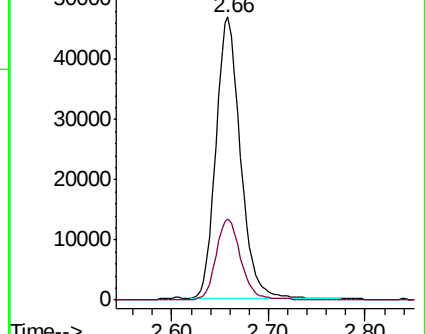
43 100

58 29.4 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037334.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037334.D (-400) (-)



#14

Carbon disulfide

Concen: 4.302 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037345.D

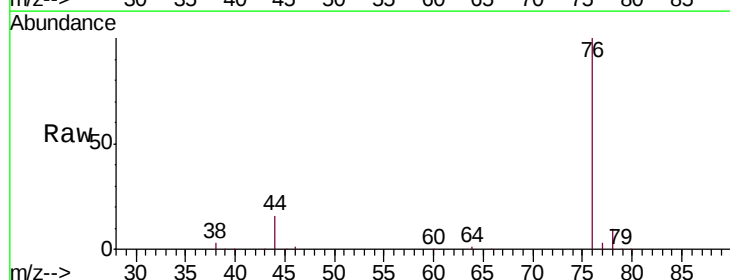
Acq: 19 Mar 2020 18:42

Tgt Ion: 76 Resp: 131764

Ion Ratio Lower Upper

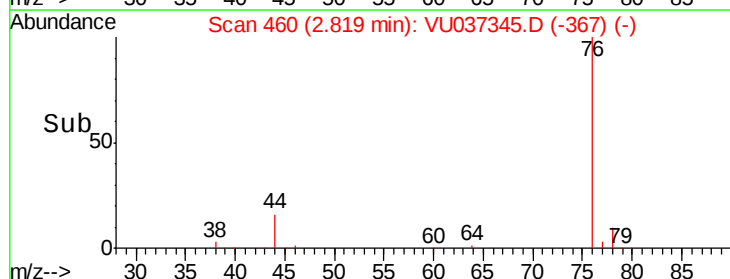
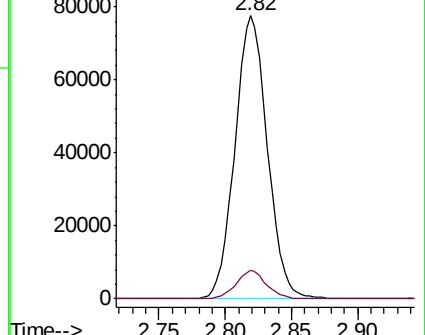
76 100

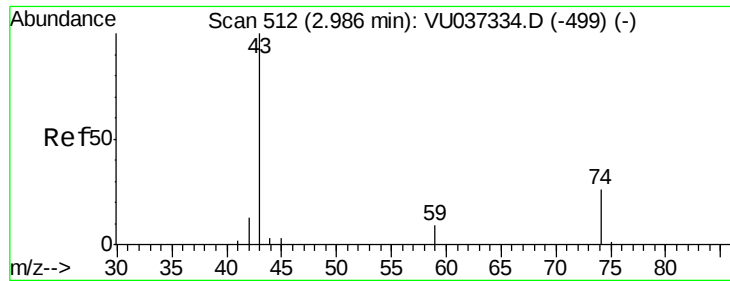
78 10.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037334.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037334.D (-446) (-)

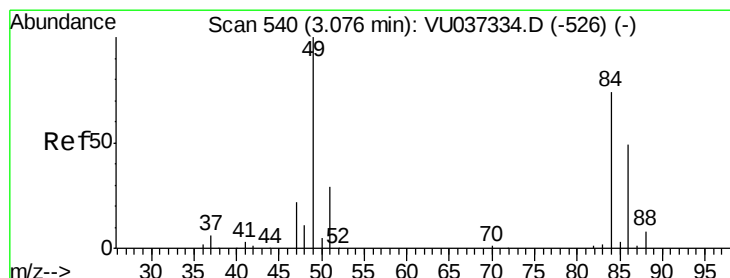
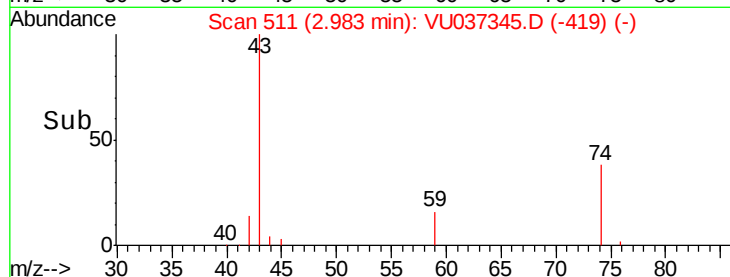
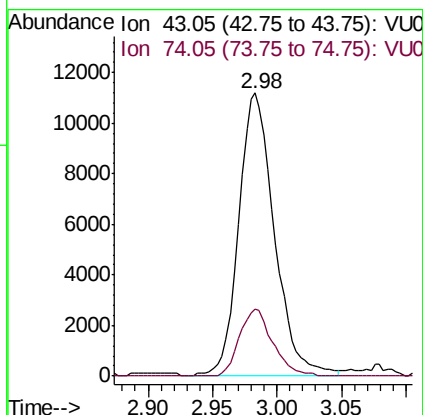
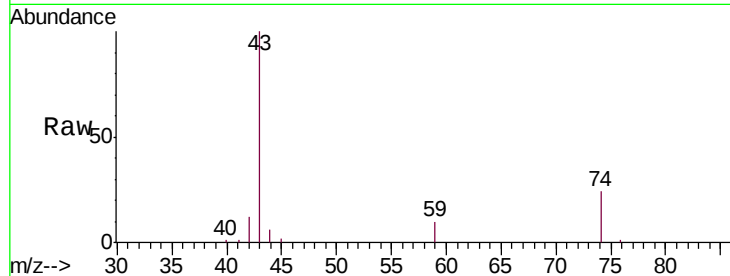




#15
Methyl Acetate
Concen: 4.757 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

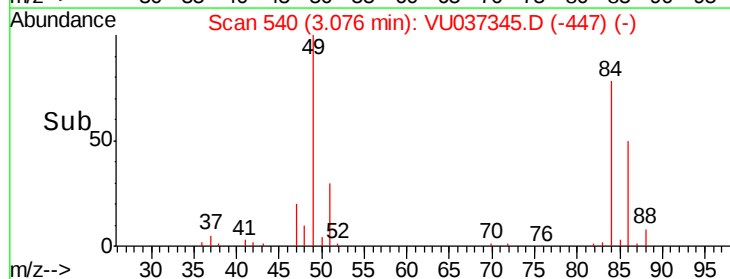
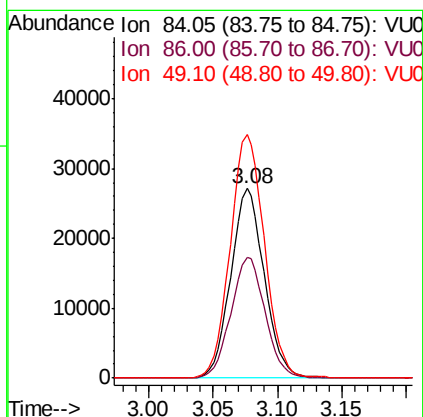
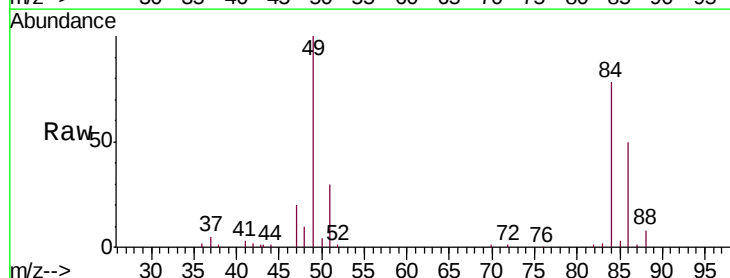
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

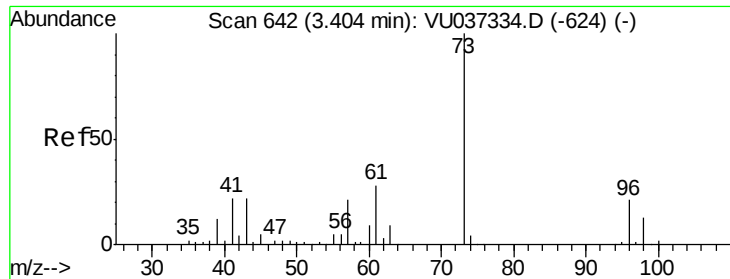
Tgt Ion: 43 Resp: 21584
Ion Ratio Lower Upper
43 100
74 21.9 17.0 25.4



#16
Methylene chloride
Concen: 4.285 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Tgt Ion: 84 Resp: 49007
Ion Ratio Lower Upper
84 100
86 63.8 45.2 84.0
49 128.6 94.4 175.4

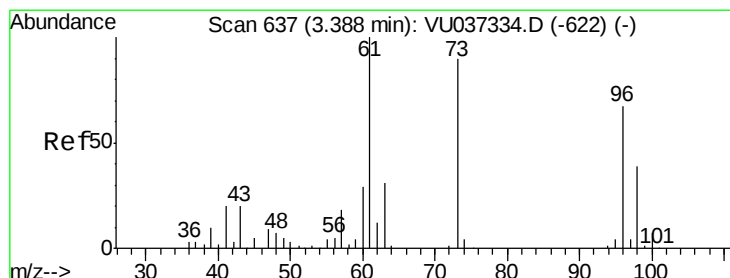
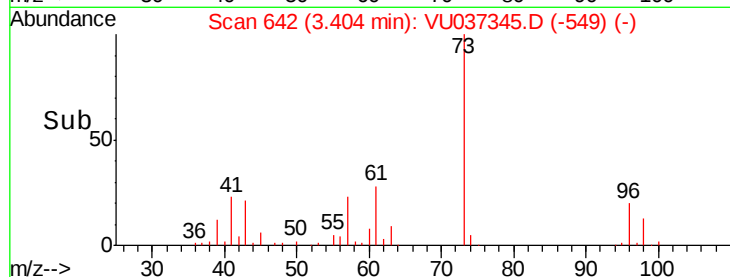
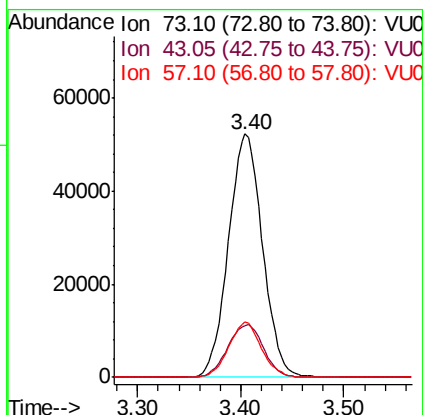
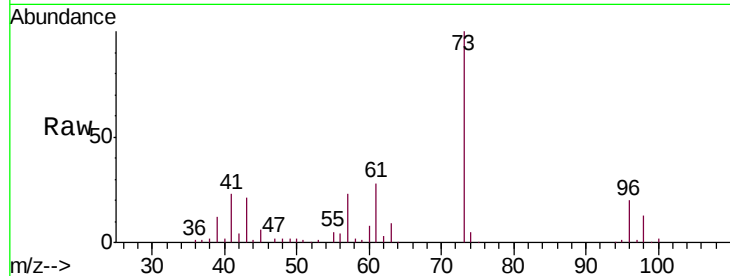




#17
Methyl tert-butyl Ether
Concen: 4.401 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

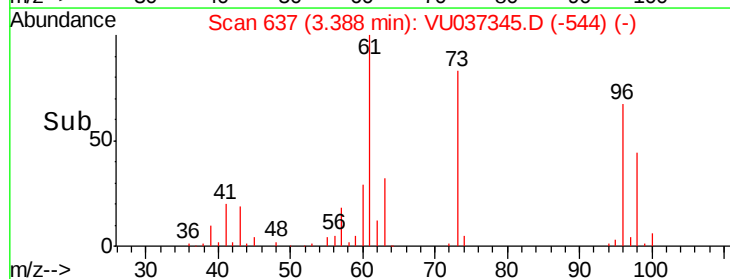
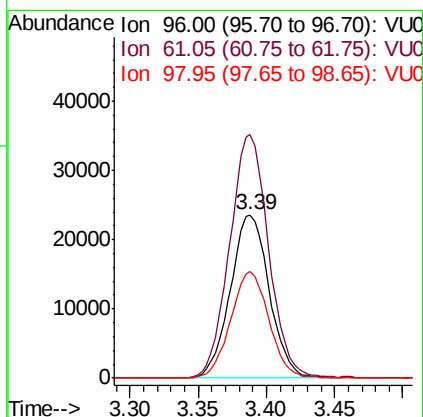
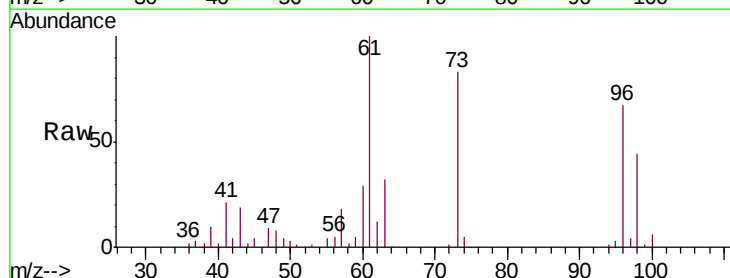
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

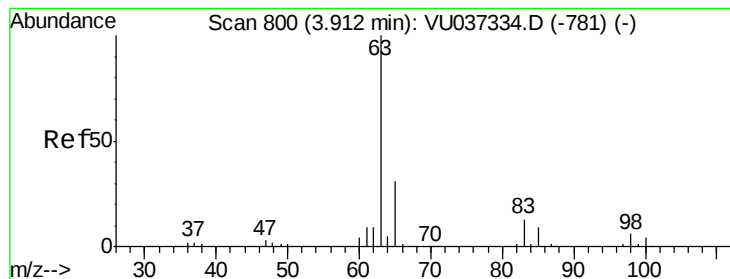
Tgt Ion: 73 Resp: 120240
Ion Ratio Lower Upper
73 100
43 22.7 18.6 28.0
57 21.7 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 4.571 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Tgt Ion: 96 Resp: 46813
Ion Ratio Lower Upper
96 100
61 149.2 107.5 199.7
98 65.5 45.9 85.3





#19

1,1-Dichloroethane

Concen: 4.494 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

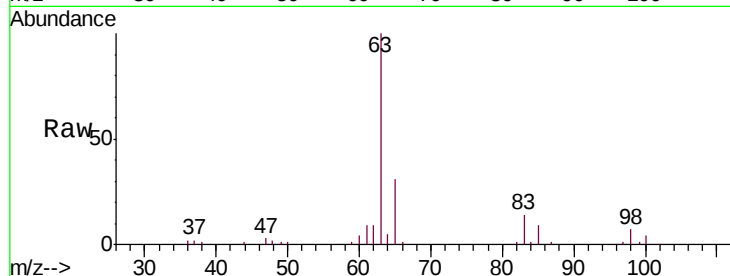
Tgt Ion: 63 Resp: 92720

Ion Ratio Lower Upper

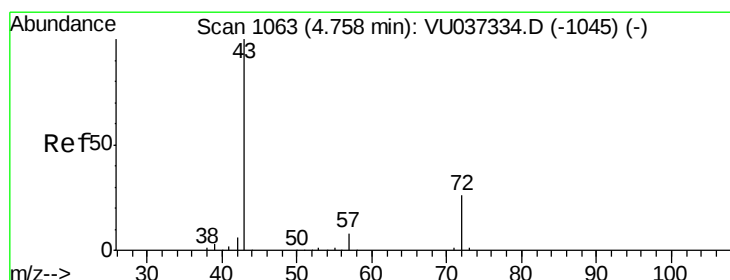
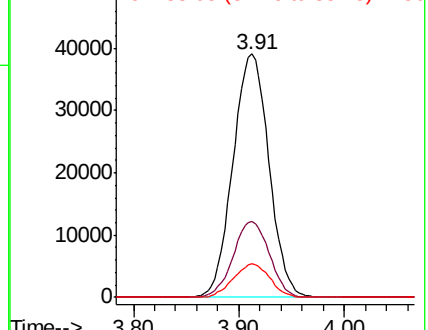
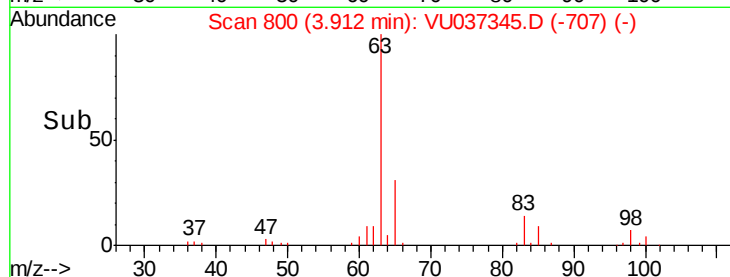
63 100

65 31.0 24.1 44.7

83 13.8 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU037345.D (-707) (-)



#21

2-Butanone

Concen: 43.935 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. -0.01 min

Lab File: VU037345.D

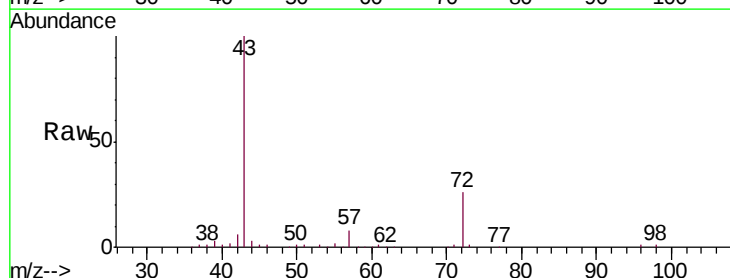
Acq: 19 Mar 2020 18:42

Tgt Ion: 43 Resp: 138462

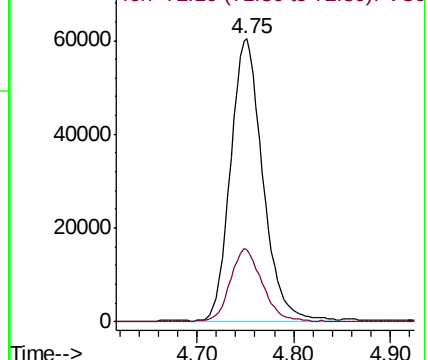
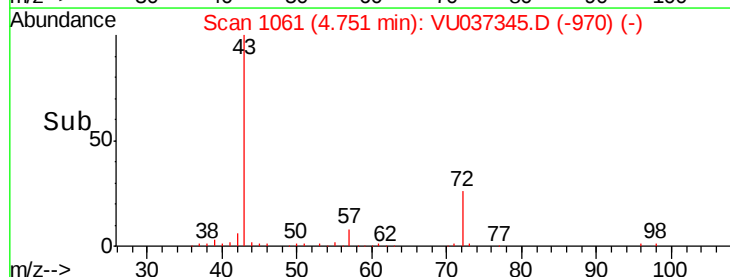
Ion Ratio Lower Upper

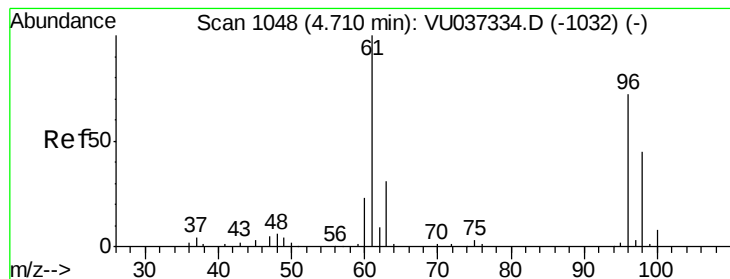
43 100

72 26.2 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VU037345.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.660 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

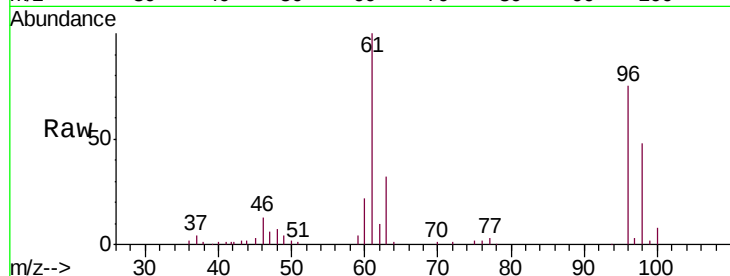
Tgt Ion: 96 Resp: 52953

Ion Ratio Lower Upper

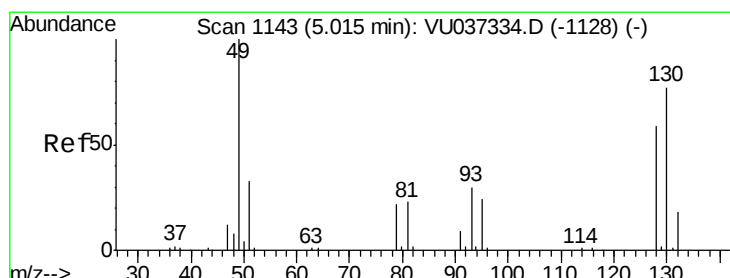
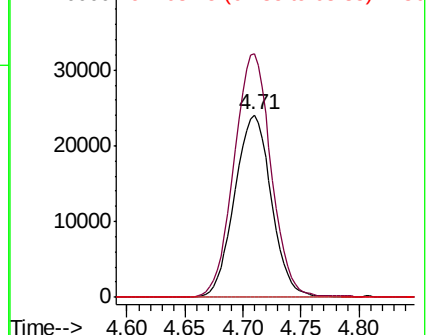
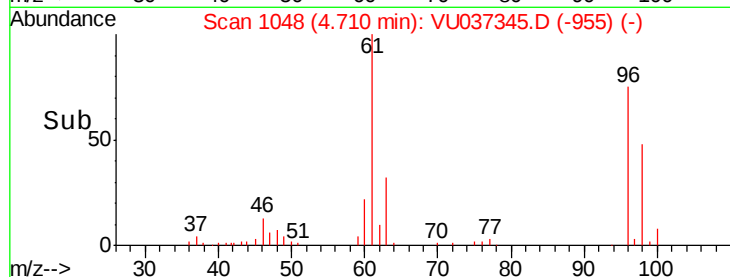
96 100

61 133.5 95.8 178.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037345.D (-955) (-)



#23

Bromochloromethane

Concen: 4.488 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Tgt Ion: 128 Resp: 23104

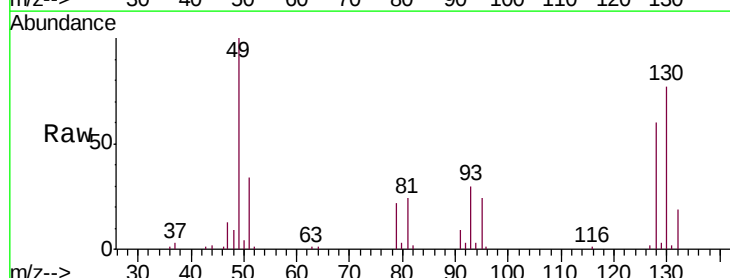
Ion Ratio Lower Upper

128 100

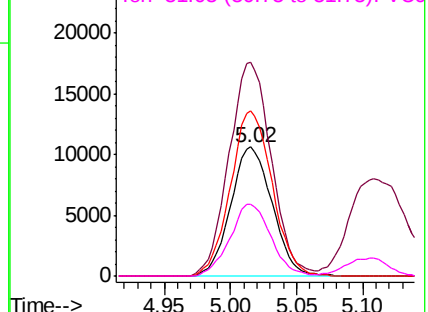
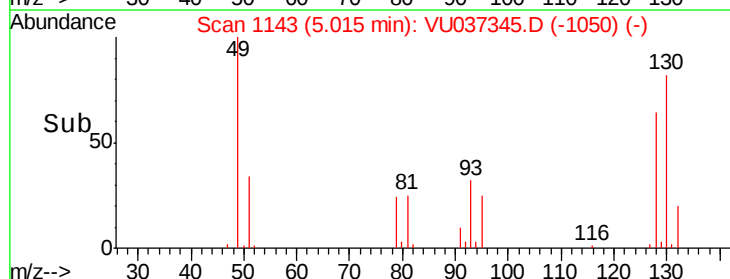
49 165.9 116.7 216.7

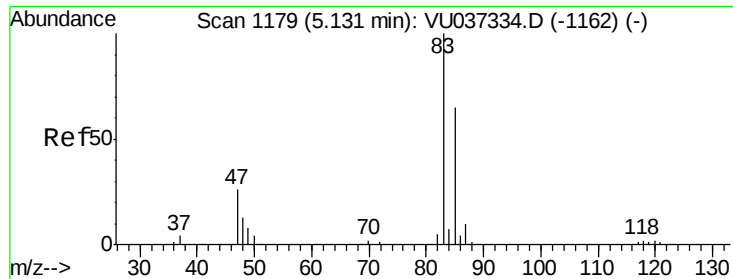
130 128.2 85.3 158.5

51 55.7 44.6 66.8



Abundance Ion 127.90 (127.60 to 128.60): VU037345.D (-1050) (-)

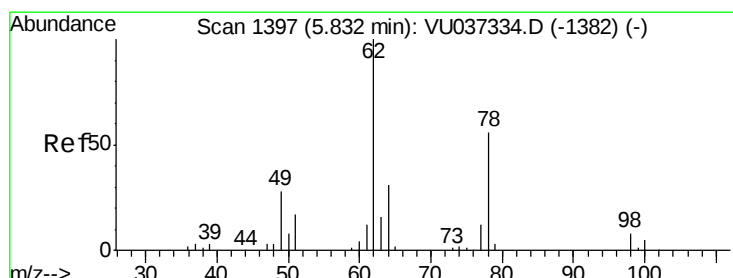
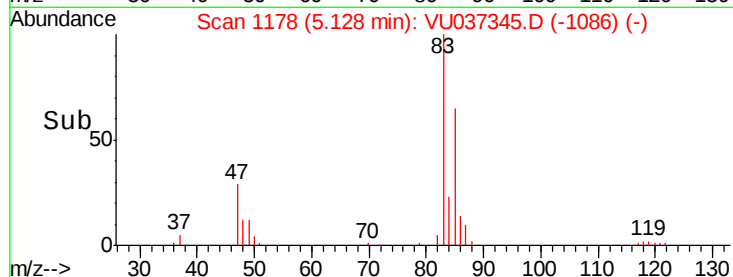
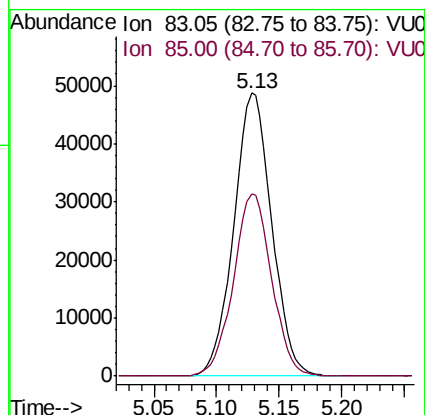
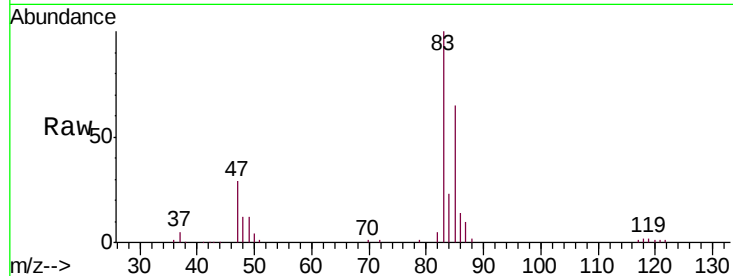




#25
Chloroform
Concen: 4.567 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

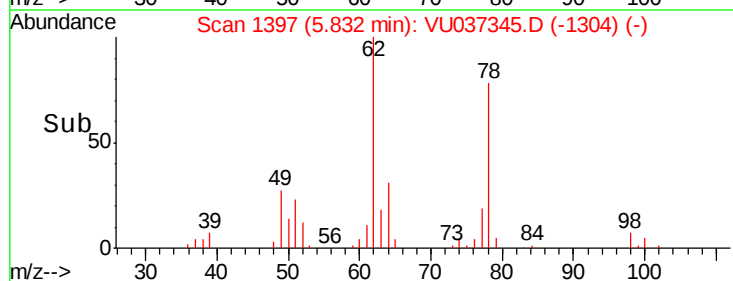
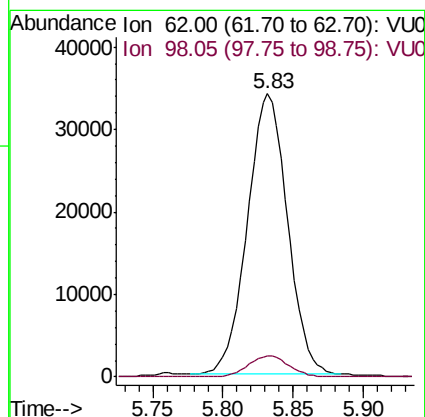
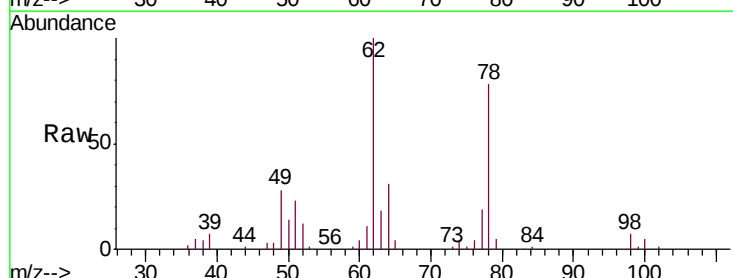
Instrument :
MSVOA_U
ClientSampled :
VSTD00514

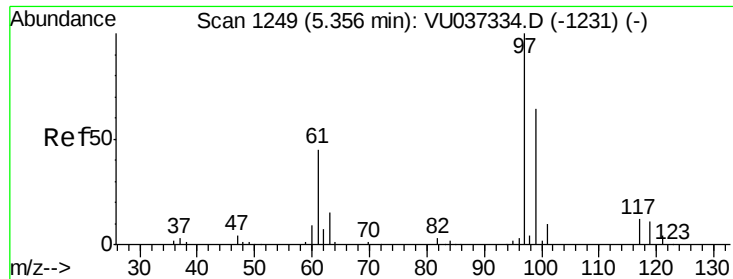
Tgt Ion: 83 Resp: 102570
Ion Ratio Lower Upper
83 100
85 64.5 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.286 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Tgt Ion: 62 Resp: 67649
Ion Ratio Lower Upper
62 100
98 7.4 6.8 10.2

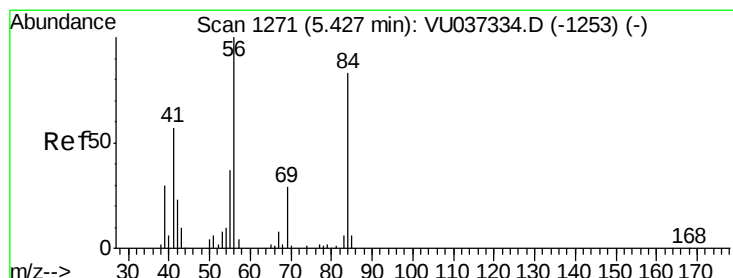
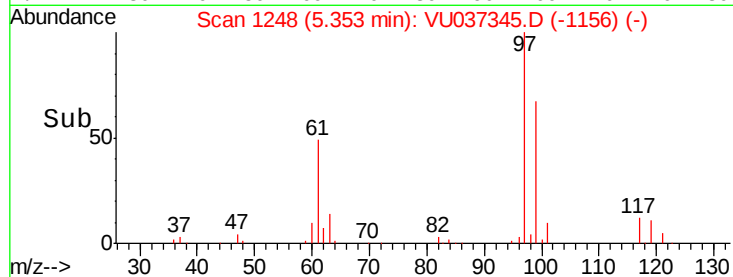
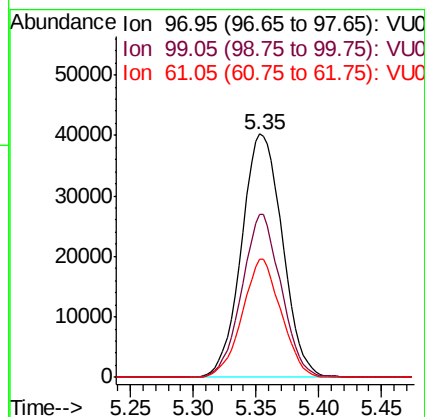
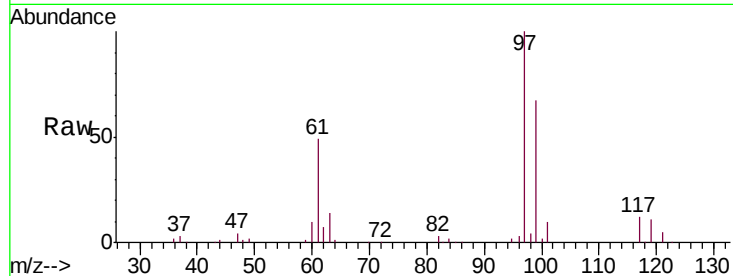




#29
 1,1,1-Trichloroethane
 Concen: 4.493 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037345.D
 Acq: 19 Mar 2020 18:42

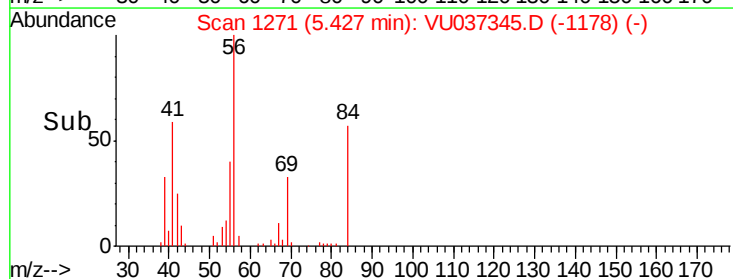
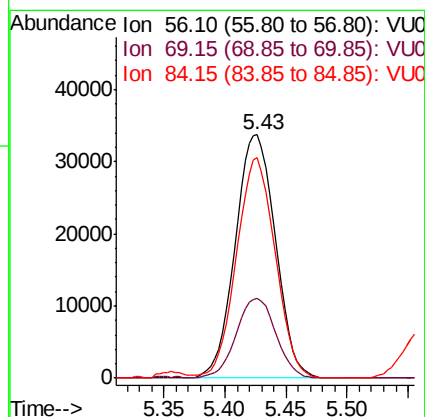
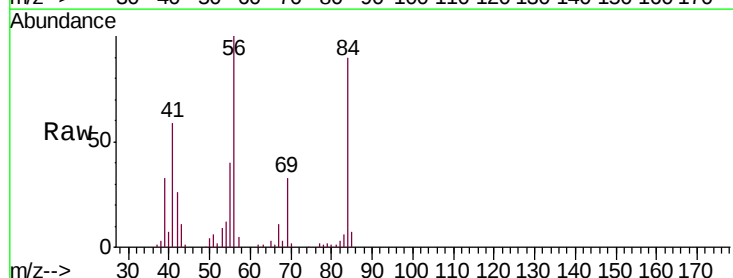
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

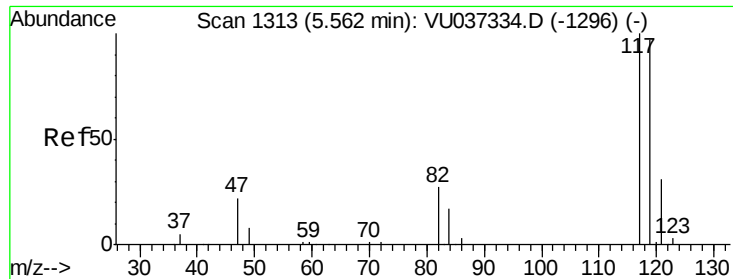
Tgt Ion: 97 Resp: 91057
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.6 76.0
 61 46.4 36.8 55.2



#30
 Cyclohexane
 Concen: 4.240 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU037345.D
 Acq: 19 Mar 2020 18:42

Tgt Ion: 56 Resp: 76983
 Ion Ratio Lower Upper
 56 100
 69 32.3 24.3 36.5
 84 87.2 66.6 100.0





#31

Carbon tetrachloride

Concen: 4.659 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

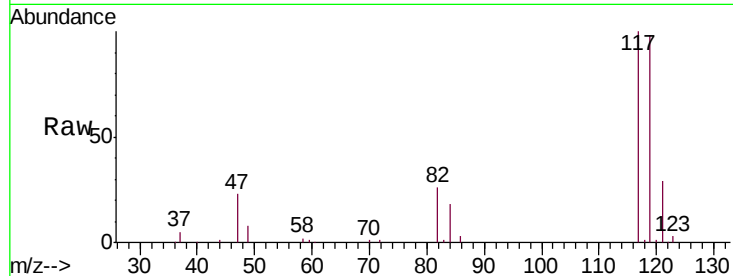
VSTD00514

Tgt Ion:117 Resp: 83081

Ion Ratio Lower Upper

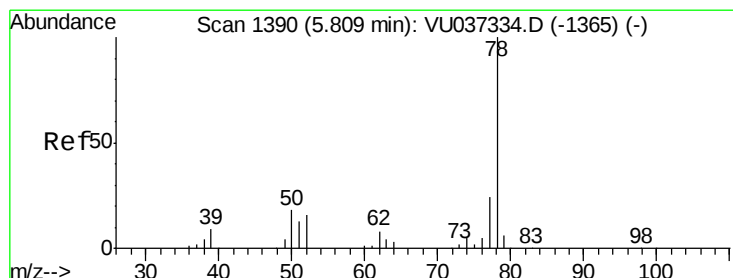
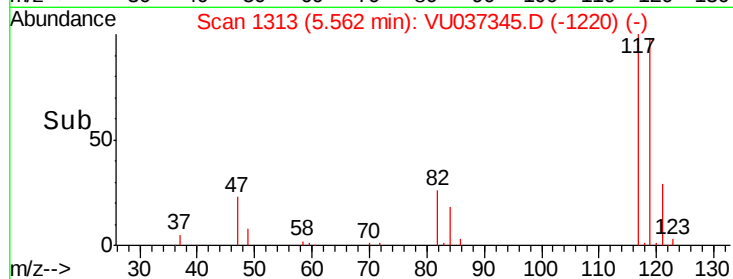
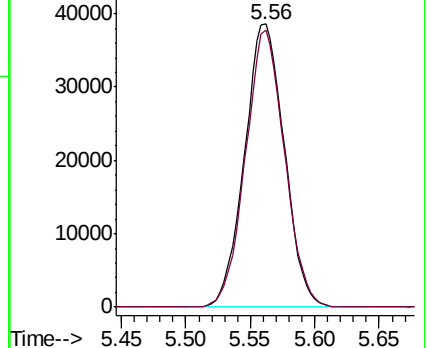
117 100

119 95.9 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: 4.449 ug/L

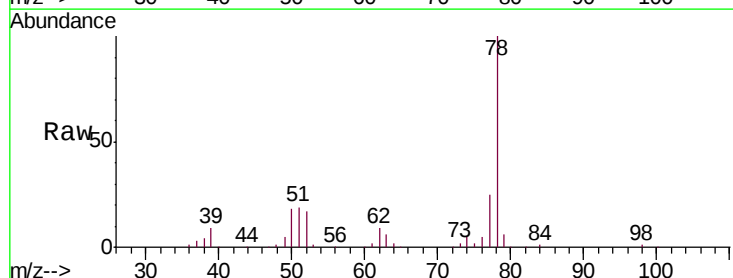
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

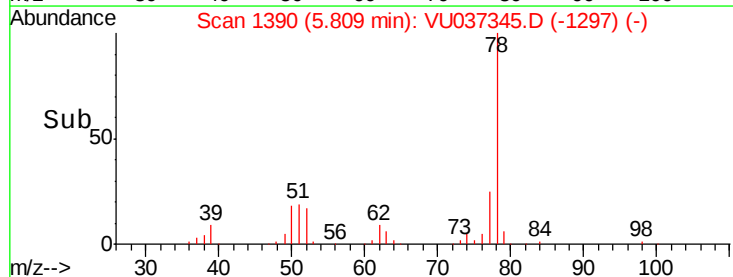
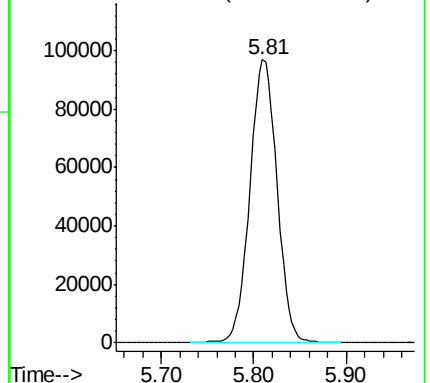
Lab File: VU037345.D

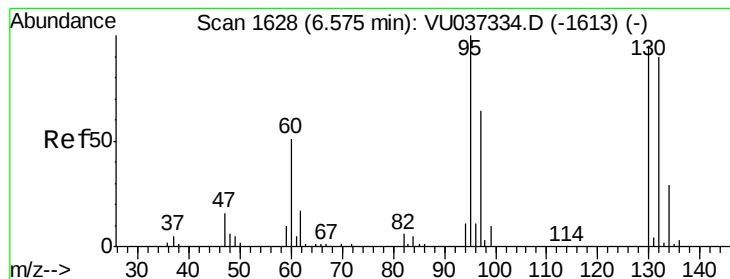
Acq: 19 Mar 2020 18:42

Tgt Ion: 78 Resp: 197993



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.445 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tgt Ion: 95 Resp: 54038

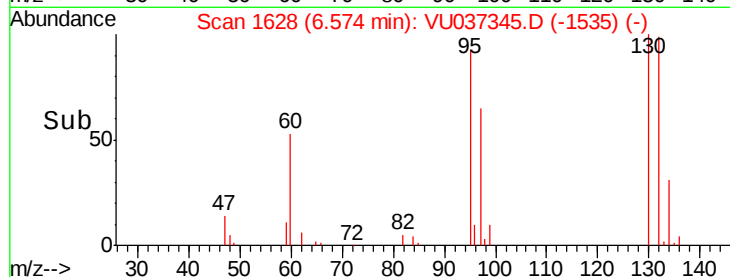
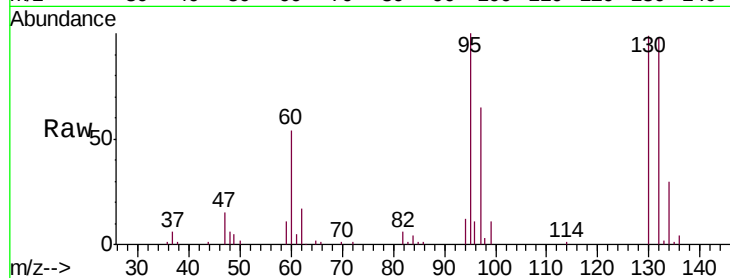
Ion Ratio Lower Upper

95 100

97 64.8 44.3 82.3

132 97.9 63.2 117.4

130 99.0 64.0 119.0

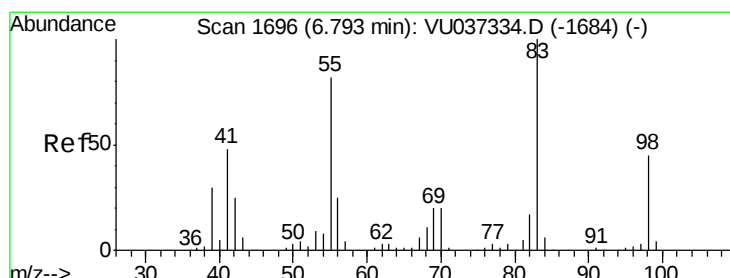
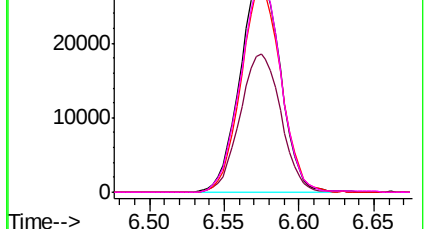


Abundance Ion 95.00 (94.70 to 95.70): VU037345.D (-1535) (-)

Ion 96.95 (96.65 to 97.65): VU037345.D (-1535) (-)

Ion 131.95 (131.65 to 132.65): VU037345.D (-1535) (-)

Ion 129.95 (129.65 to 130.65): VU037345.D (-1535) (-)



#35

Methylcyclohexane

Concen: 4.443 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

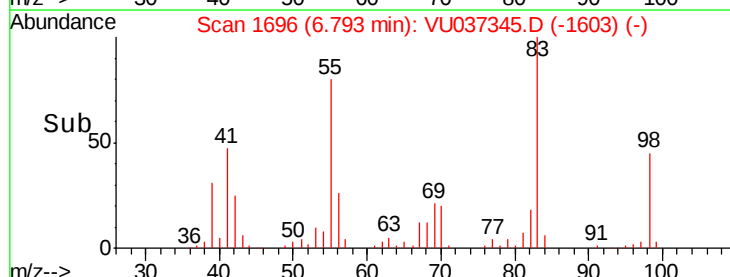
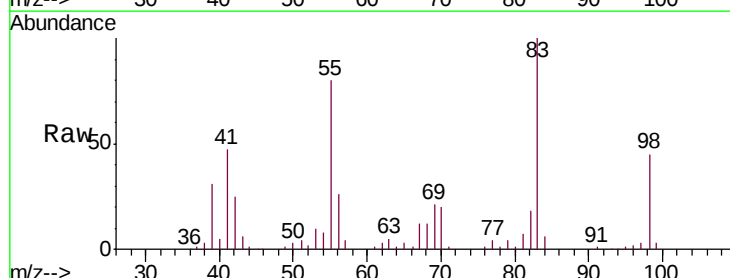
Tgt Ion: 83 Resp: 81693

Ion Ratio Lower Upper

83 100

55 79.9 67.0 100.6

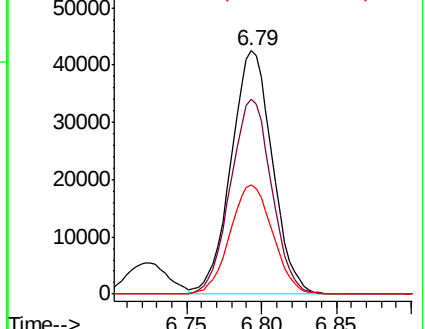
98 46.4 37.4 56.0

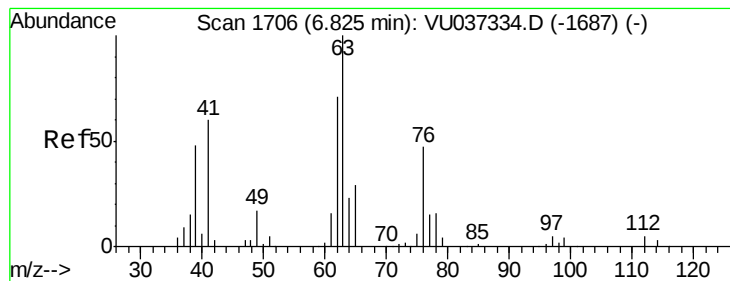


Abundance Ion 83.15 (82.85 to 83.85): VU037345.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU037345.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU037345.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 4.473 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

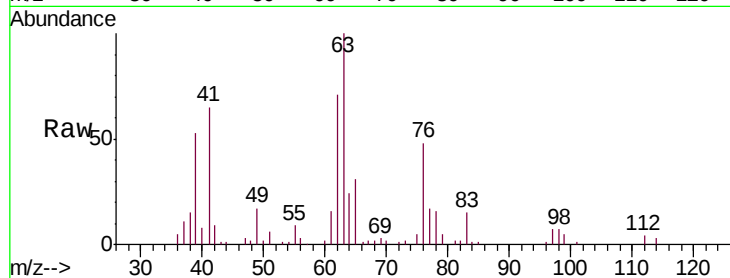
VSTD00514

Tgt Ion: 63 Resp: 52648

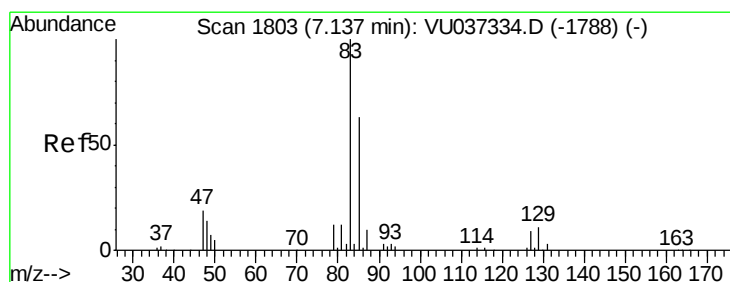
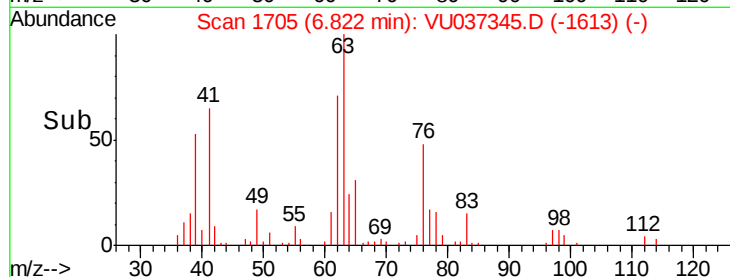
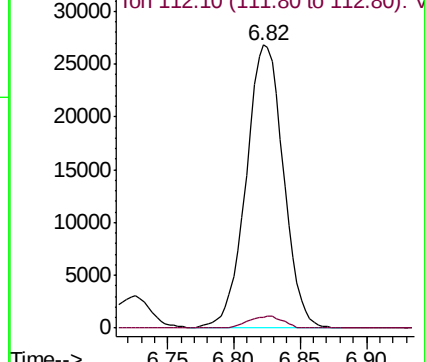
Ion Ratio Lower Upper

63 100

112 3.8 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU037334.D (-1687) (-)



#38

Bromodichloromethane

Concen: 4.482 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

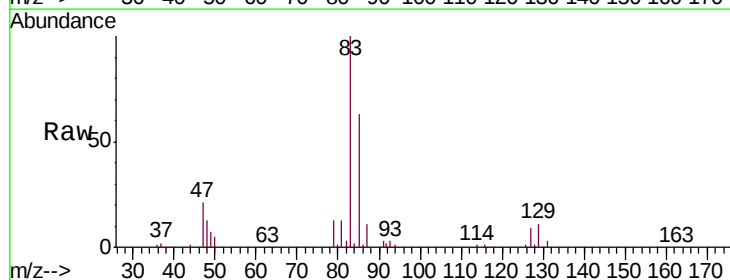
Tgt Ion: 83 Resp: 74231

Ion Ratio Lower Upper

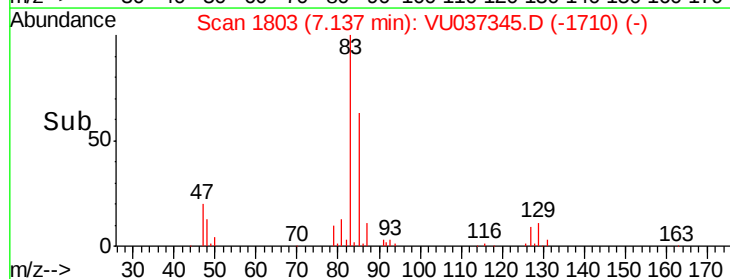
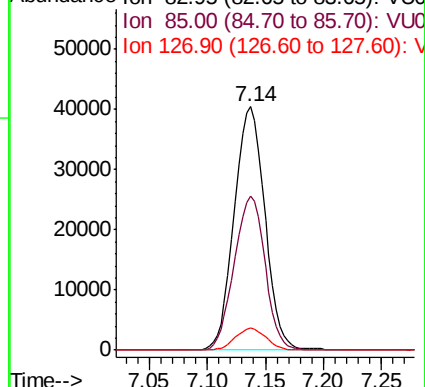
83 100

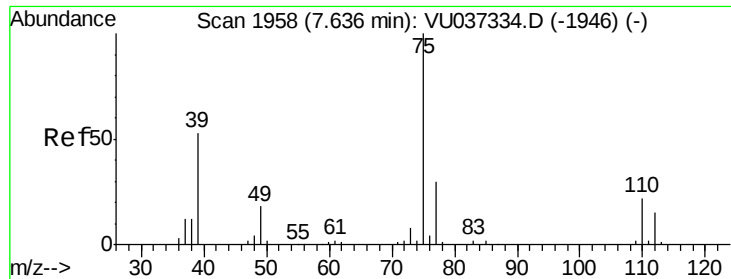
85 63.1 45.8 85.0

127 9.1 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU037334.D (-1788) (-)

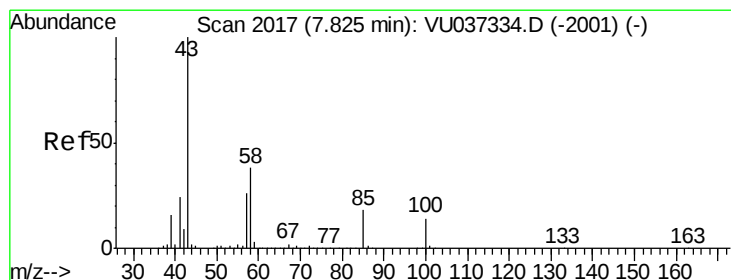
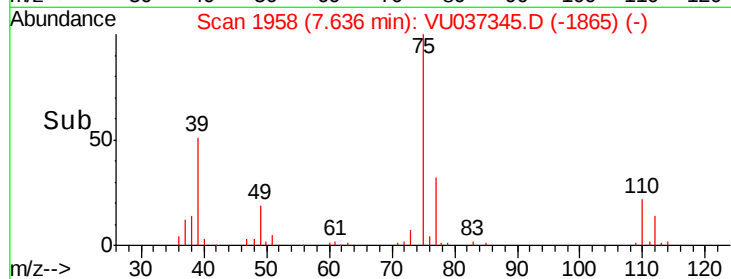
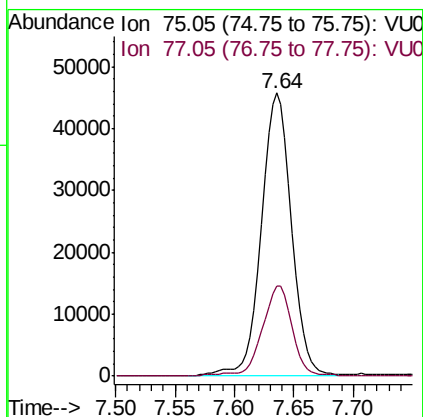
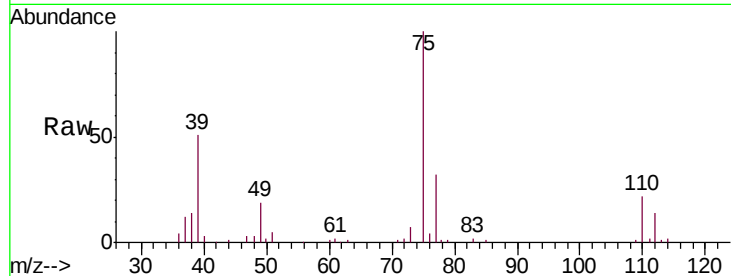




#39
 cis-1,3-Dichloropropene
 Concen: 4.543 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU037345.D
 Acq: 19 Mar 2020 18:42

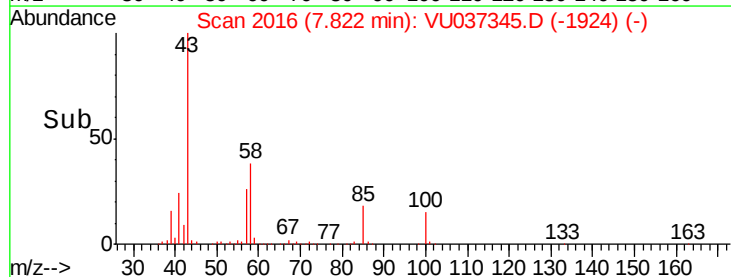
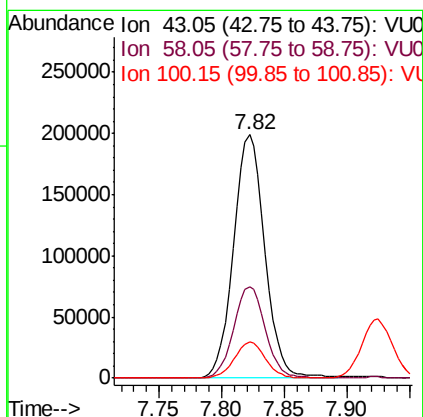
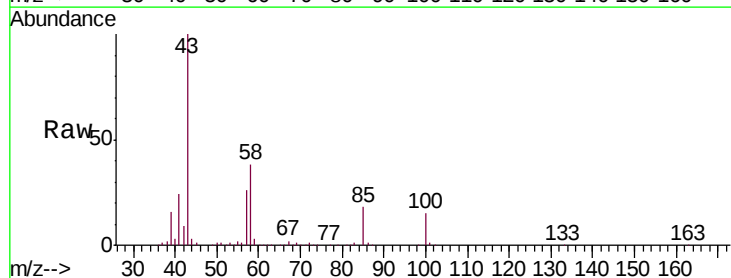
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

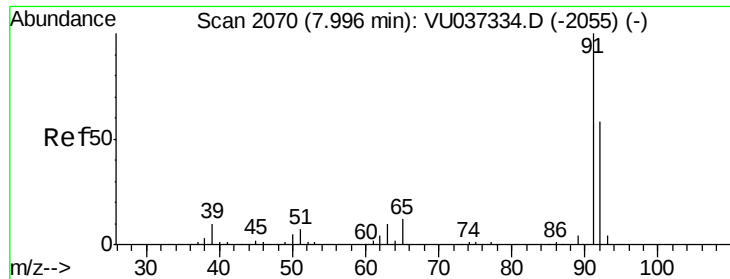
Tgt Ion: 75 Resp: 80382
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 43.465 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU037345.D
 Acq: 19 Mar 2020 18:42

Tgt Ion: 43 Resp: 344999
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.8 44.8
 100 14.6 11.3 16.9





#42

Toluene

Concen: 4.613 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

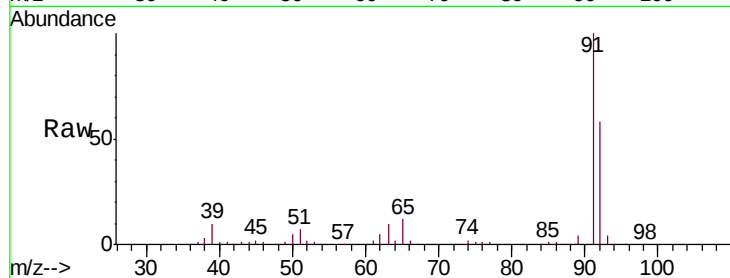
VSTD00514

Tgt Ion: 91 Resp: 221317

Ion Ratio Lower Upper

91 100

92 57.9 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037334.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037334.D (-2055) (-)

8.00

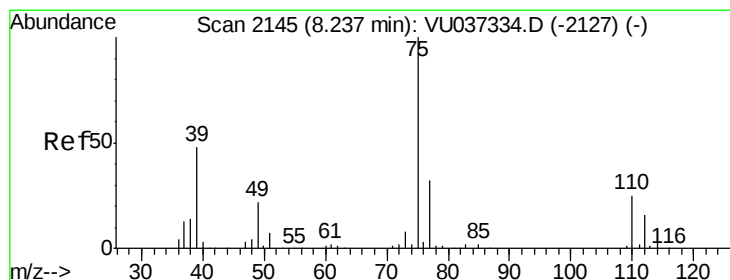
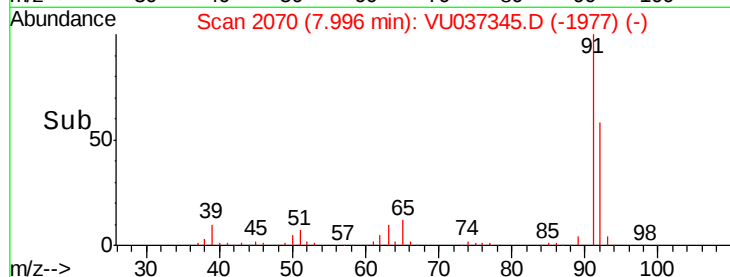
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.708 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU037345.D

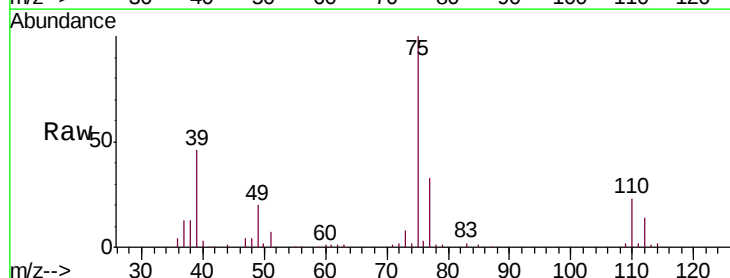
Acq: 19 Mar 2020 18:42

Tgt Ion: 75 Resp: 69885

Ion Ratio Lower Upper

75 100

77 32.8 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU037334.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU037334.D (-2127) (-)

8.24

40000

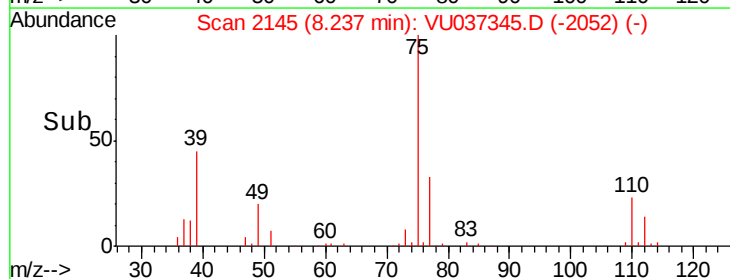
30000

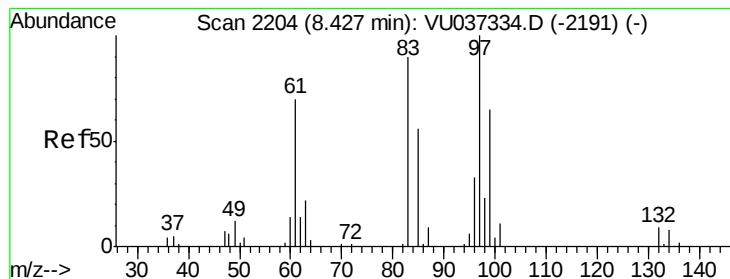
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.523 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tgt Ion: 97 Resp: 38385

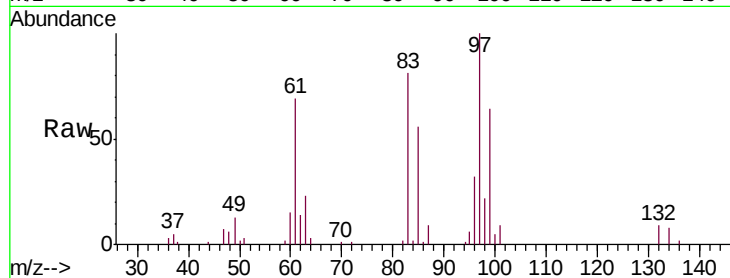
Ion Ratio Lower Upper

97 100

99 63.7 42.8 79.6

83 81.3 62.4 115.8

85 55.8 40.7 75.7

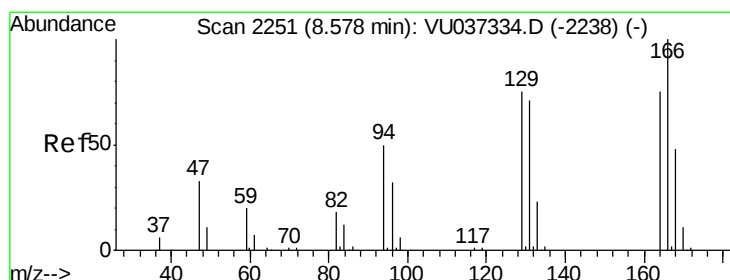
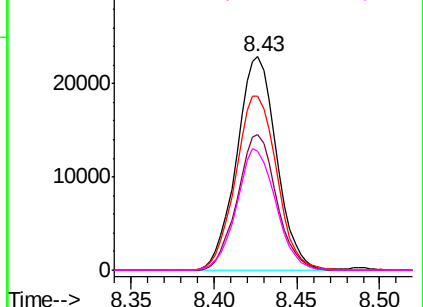
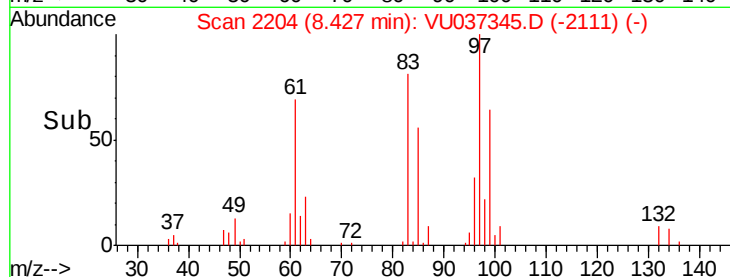


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.611 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Tgt Ion: 164 Resp: 43545

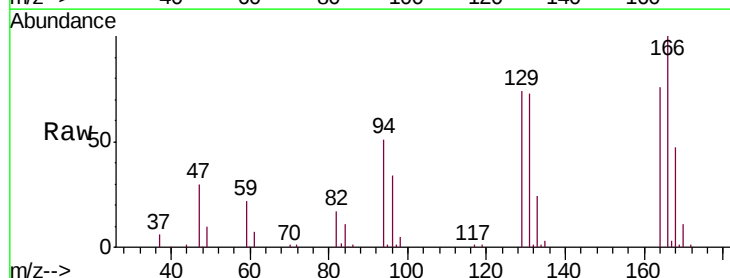
Ion Ratio Lower Upper

164 100

129 97.9 65.8 122.2

131 96.5 65.1 120.9

166 131.8 89.7 166.5

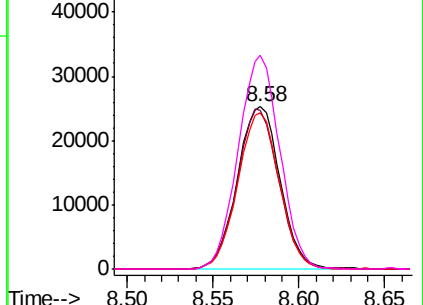
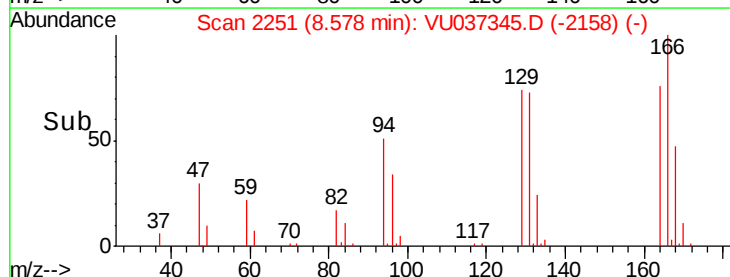


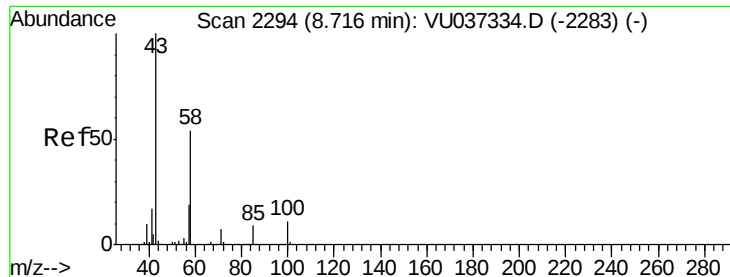
Abundance Ion 163.90 (163.60 to 164.60): V

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

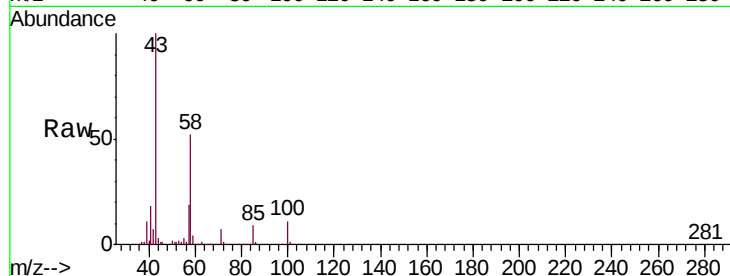




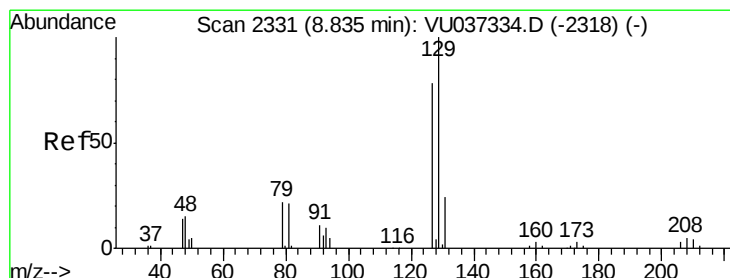
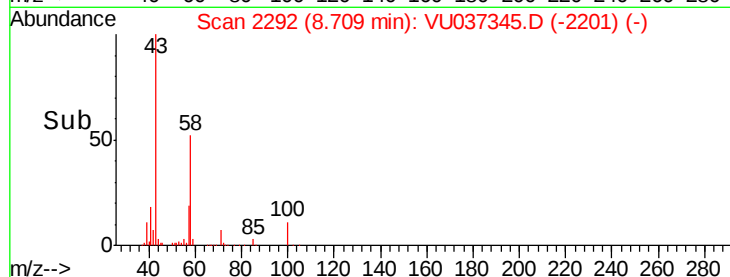
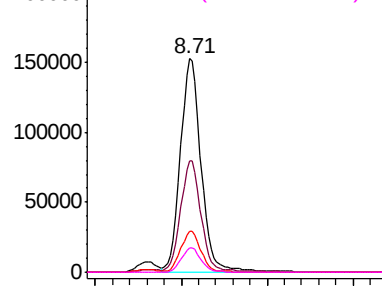
#48
2-Hexanone
Concen: 44.358 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tgt Ion:	43	Resp:	258541
Ion	Ratio	Lower	Upper
43	100		
58	50.9	41.9	62.9
57	18.3	14.7	22.1
100	11.0	8.6	13.0

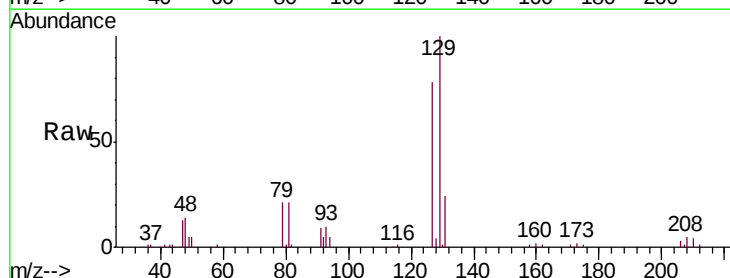


Abundance Ion 43.05 (42.75 to 43.75): VU037345.D (-2292) (-)
Ion 58.05 (57.75 to 58.75): VU037345.D (-2292) (-)
Ion 57.20 (56.90 to 57.90): VU037345.D (-2292) (-)
Ion 100.15 (99.85 to 100.85): VU037345.D (-2292) (-)

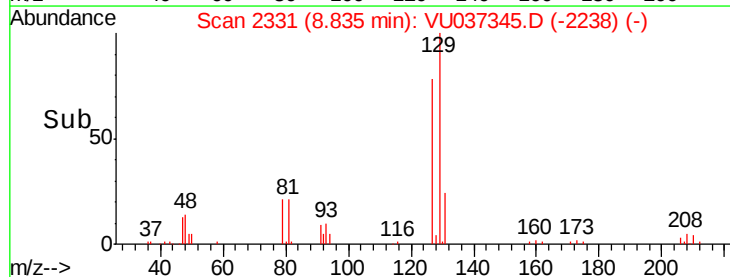
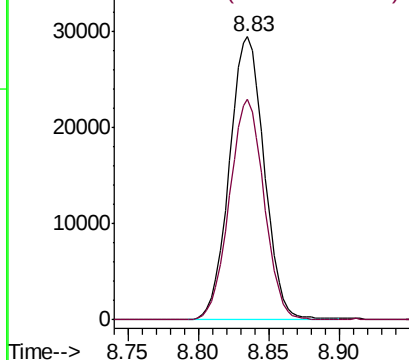


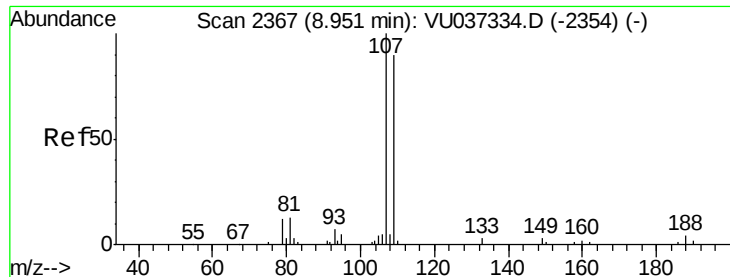
#49
Dibromochloromethane
Concen: 4.614 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Tgt Ion:	129	Resp:	51071
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.6	99.6



Abundance Ion 128.95 (128.65 to 129.65): VU037345.D (-2331) (-)
Ion 126.90 (126.60 to 127.60): VU037345.D (-2331) (-)

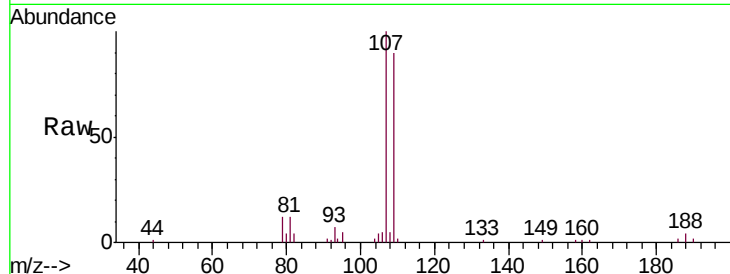




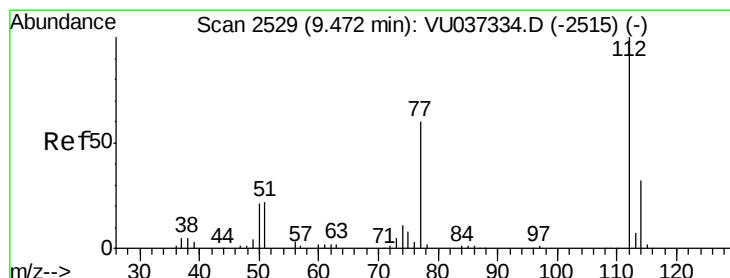
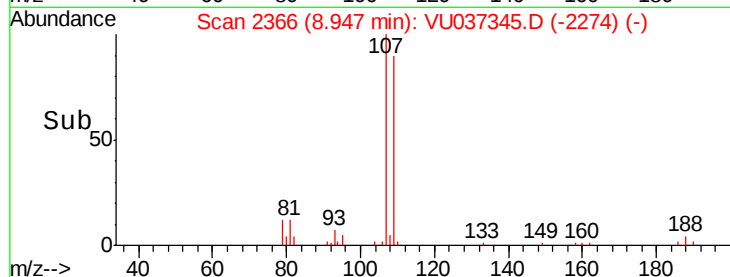
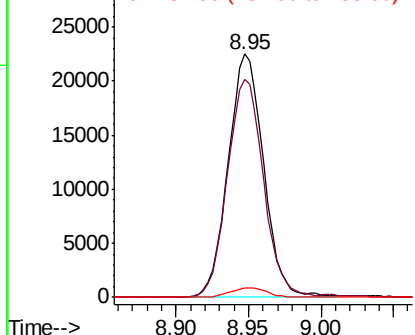
#50
1,2-Dibromoethane
Concen: 4.632 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tgt Ion:107 Resp: 38194
Ion Ratio Lower Upper
107 100
109 89.8 62.3 115.7
188 3.7 3.0 4.6

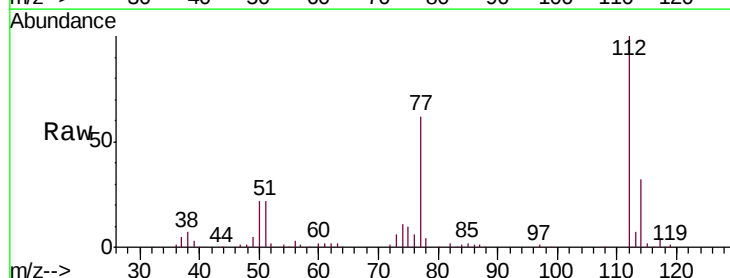


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

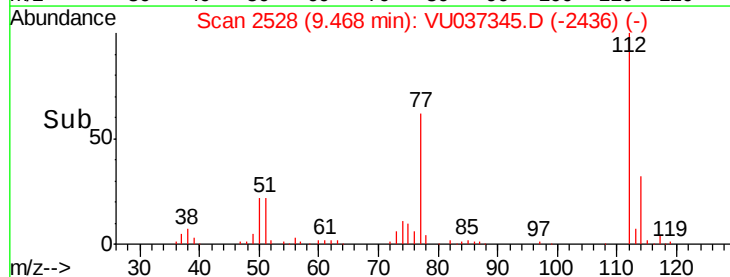
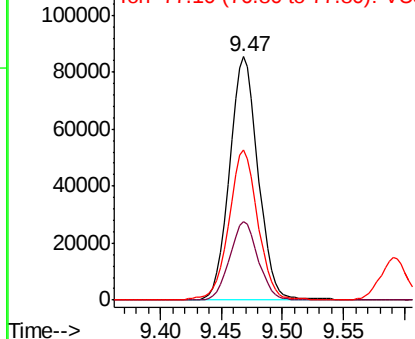


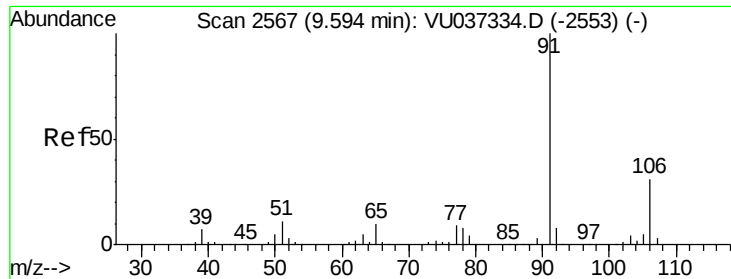
#51
Chlorobenzene
Concen: 4.508 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Tgt Ion:112 Resp: 139603
Ion Ratio Lower Upper
112 100
114 32.4 22.1 41.1
77 61.6 47.8 71.6



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





#52

Ethylbenzene

Concen: 4.548 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

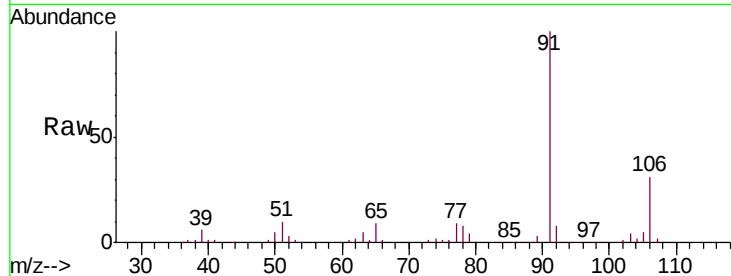
VSTD00514

Tgt Ion: 91 Resp: 247590

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU037334.D (-2553) (-)

Ion 106.15 (105.85 to 106.85): VU037334.D (-2553) (-)

9.59

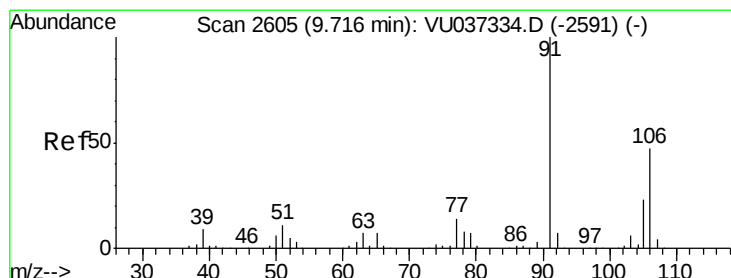
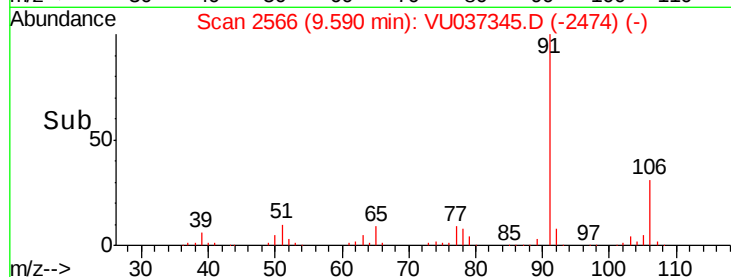
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 4.552 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU037345.D

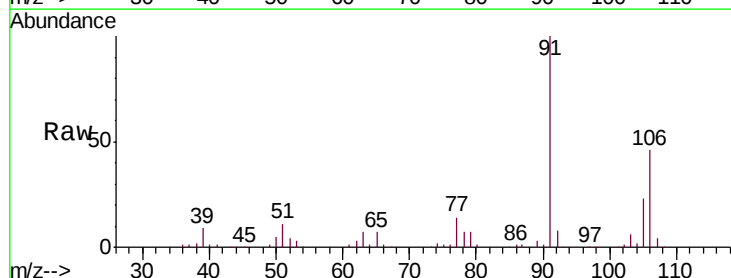
Acq: 19 Mar 2020 18:42

Tgt Ion: 106 Resp: 91132

Ion Ratio Lower Upper

106 100

91 215.3 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU037334.D (-2591) (-)

Ion 91.15 (90.85 to 91.85): VU037334.D (-2591) (-)

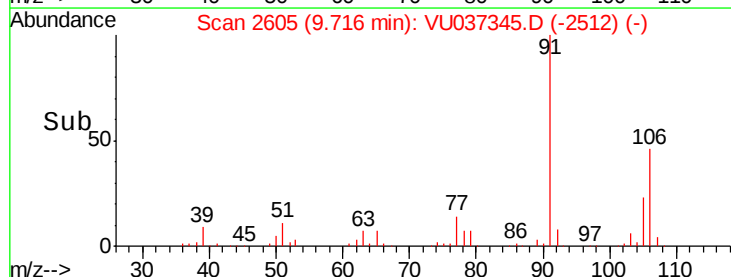
9.72

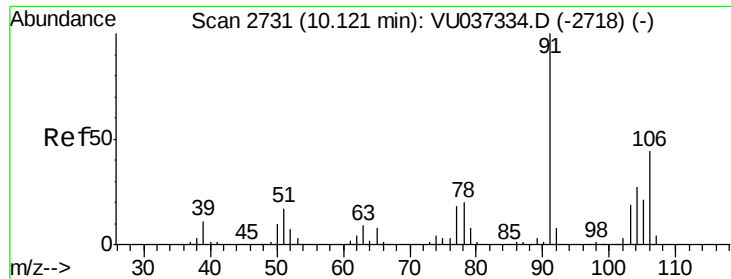
100000

50000

0

Time--> 9.65 9.70 9.75 9.80

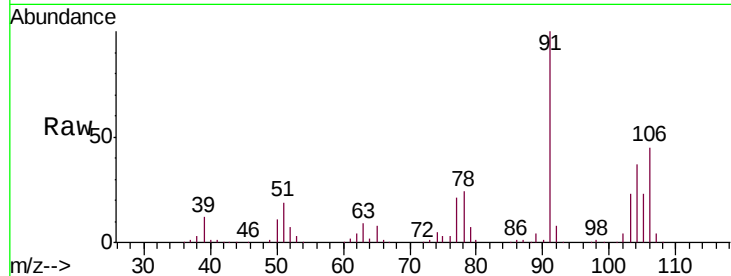




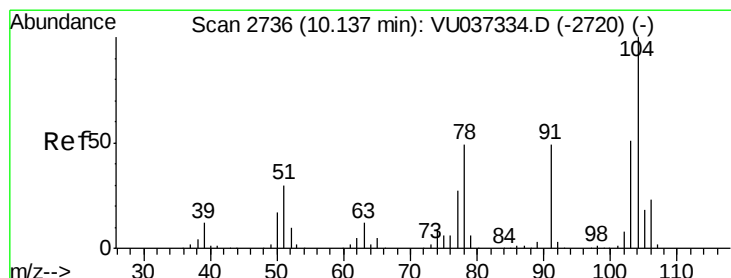
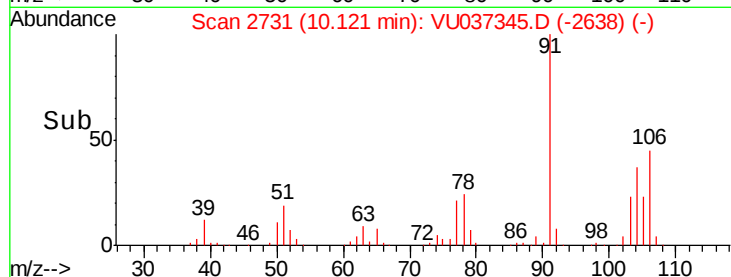
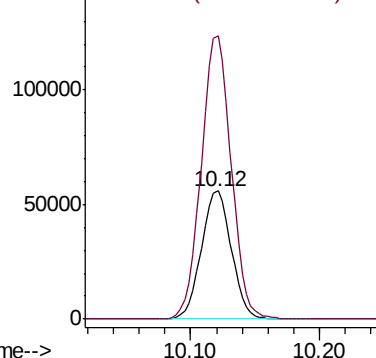
#54
o-Xylene
Concen: 4.739 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tgt Ion:106 Resp: 90568
Ion Ratio Lower Upper
106 100
91 220.5 155.8 289.3

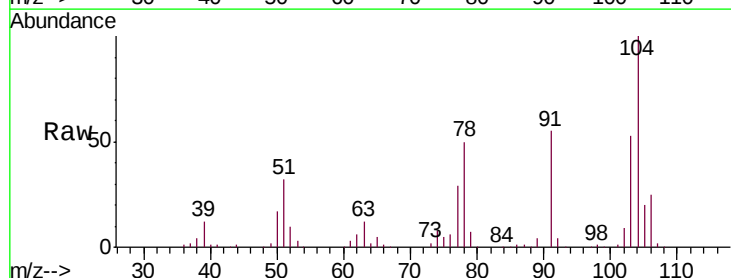


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

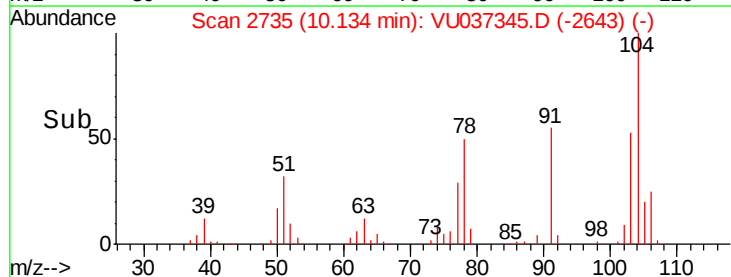
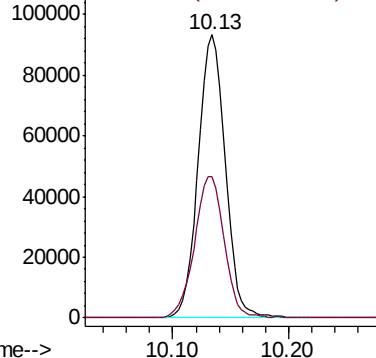


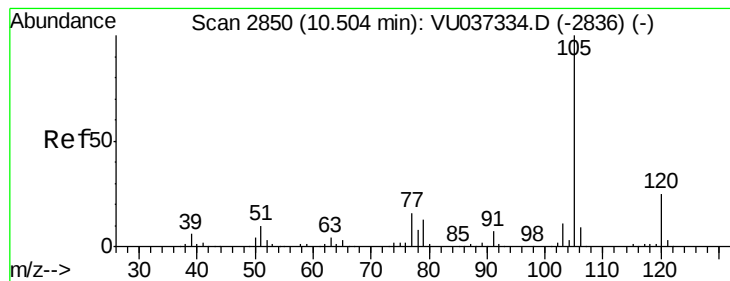
#55
Styrene
Concen: 4.699 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Tgt Ion:104 Resp: 151115
Ion Ratio Lower Upper
104 100
78 49.7 33.6 62.4



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





#56

Isopropylbenzene

Concen: 4.593 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

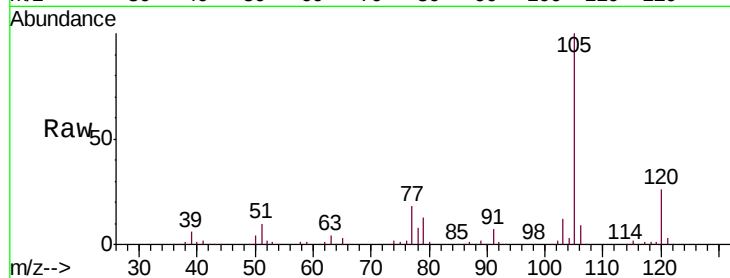
Tgt Ion: 105 Resp: 245285

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.2

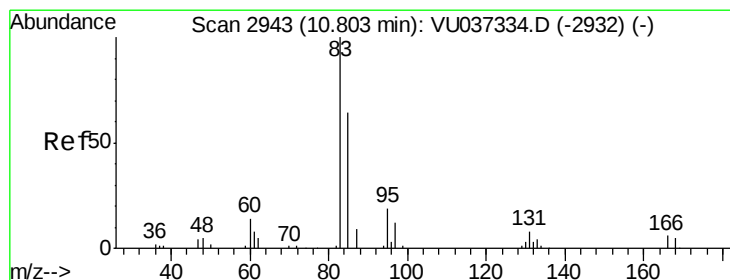
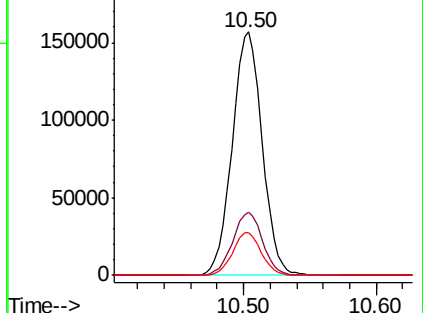
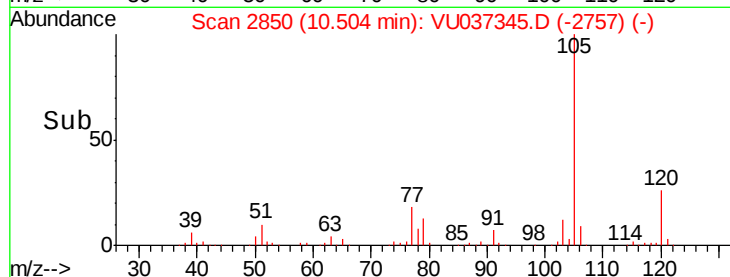
77 17.0 13.8 20.6



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: 4.477 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

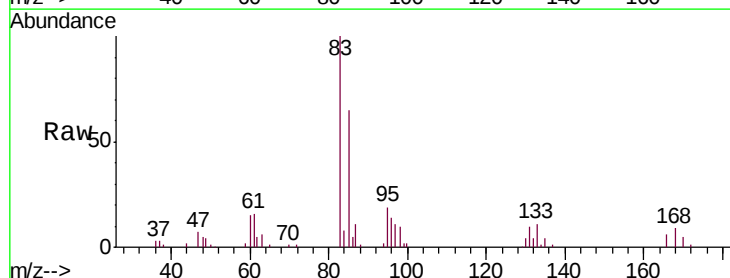
Tgt Ion: 83 Resp: 50088

Ion Ratio Lower Upper

83 100

85 64.5 45.9 85.3

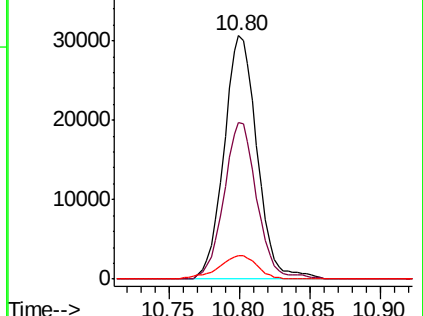
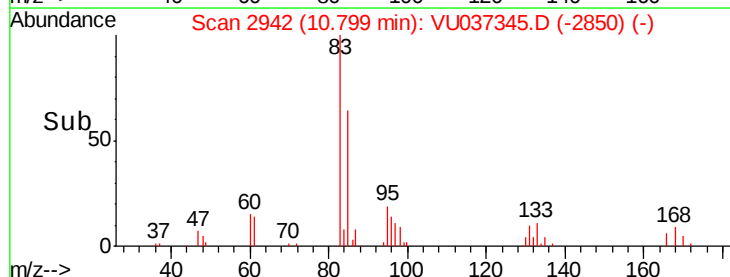
131 9.6 7.5 11.3

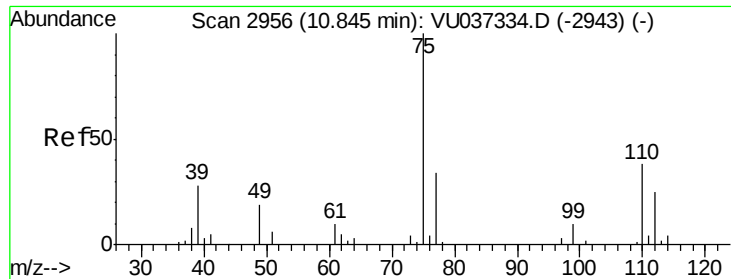


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.398 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

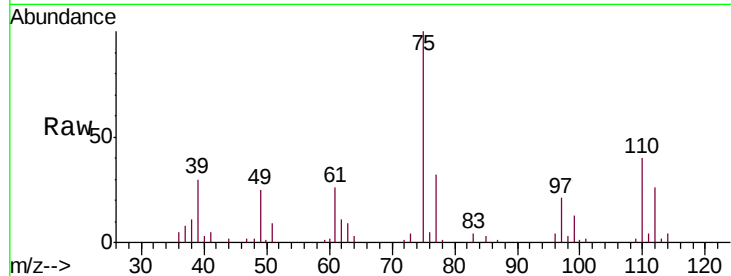
VSTD00514

Tgt Ion: 75 Resp: 36766

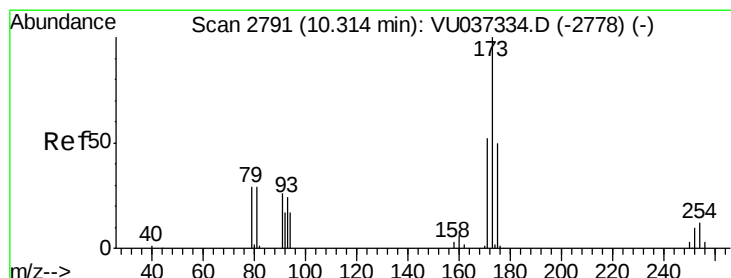
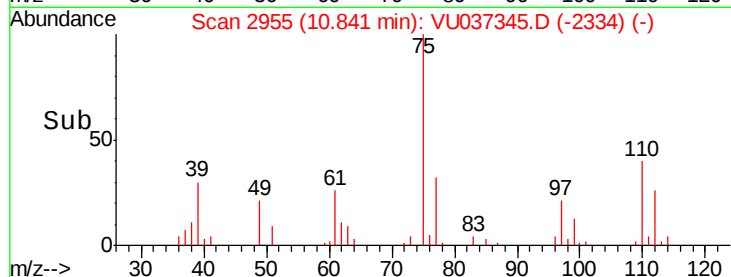
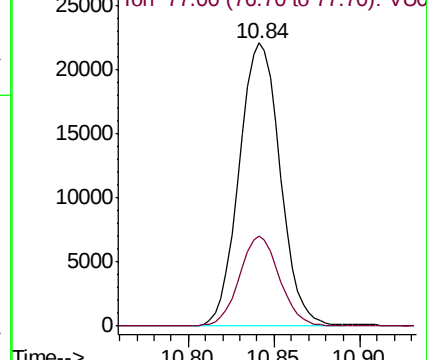
Ion Ratio Lower Upper

75 100

77 31.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU037334.D (-2943) (-)



#61

Bromoform

Concen: 4.458 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

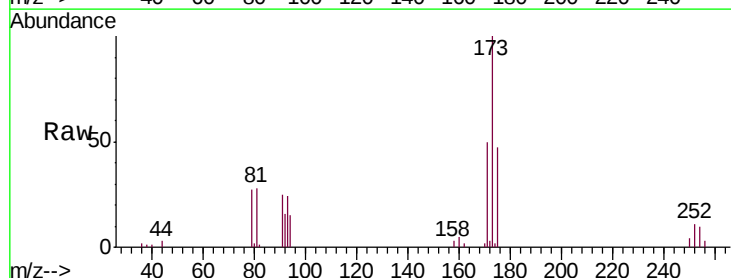
Tgt Ion: 173 Resp: 30815

Ion Ratio Lower Upper

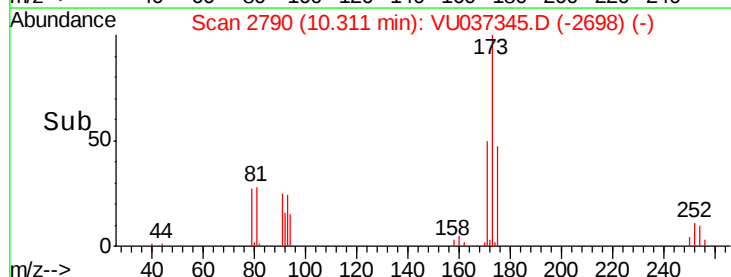
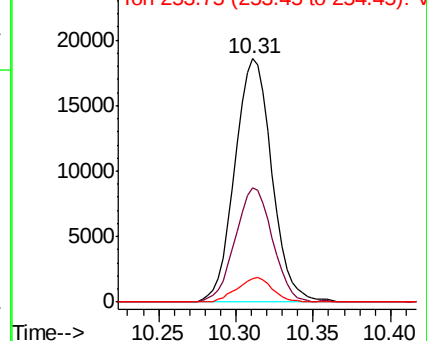
173 100

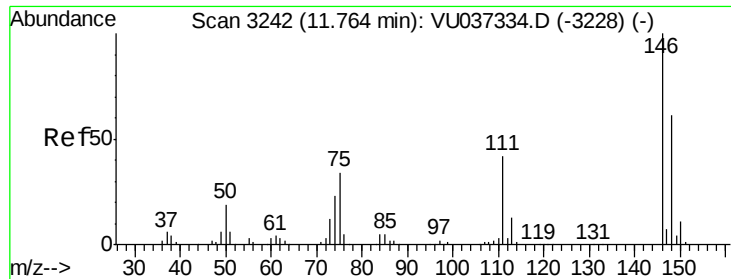
175 47.2 38.2 57.2

254 9.6 7.8 11.8



Abundance Ion 172.90 (172.60 to 173.60): VU037334.D (-2778) (-)

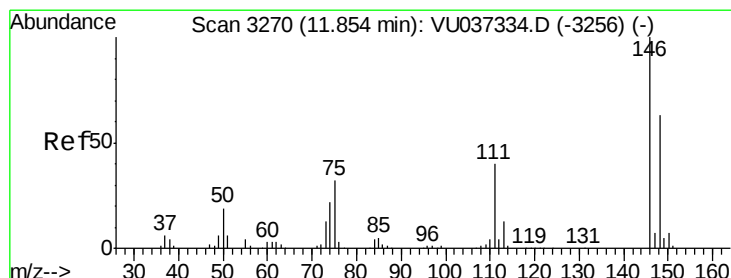
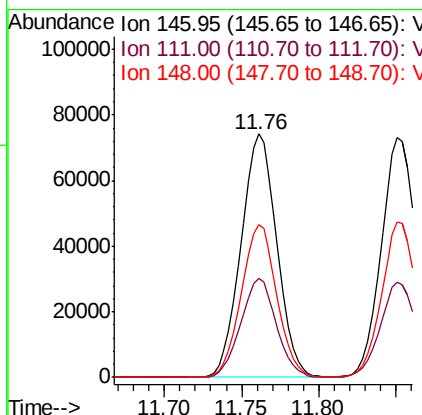
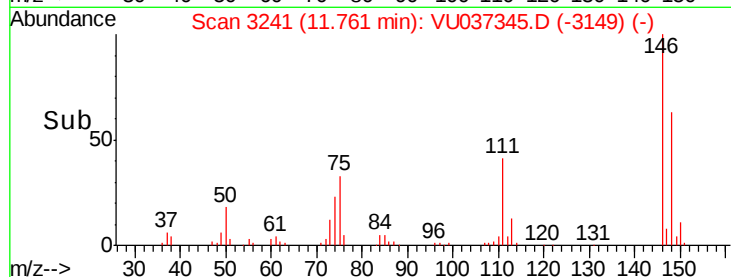
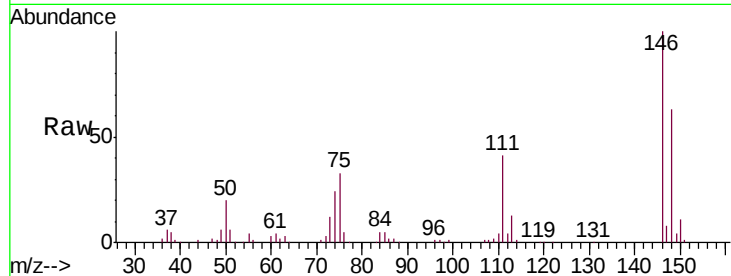




#62
 1,3-Dichlorobenzene
 Concen: 4.535 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU037345.D
 Acq: 19 Mar 2020 18:42

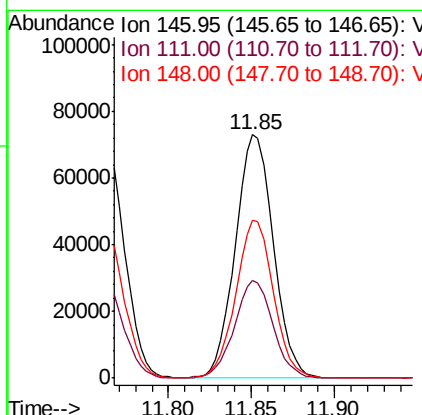
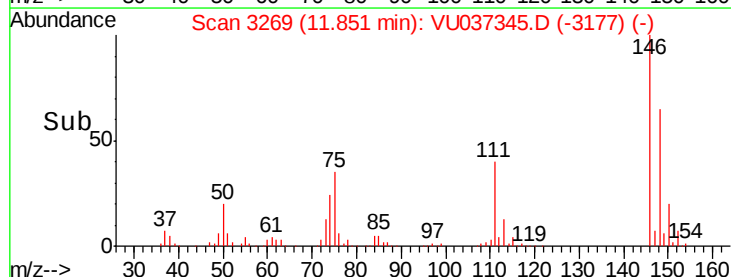
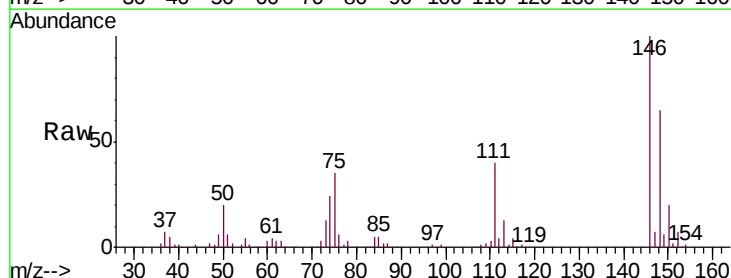
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

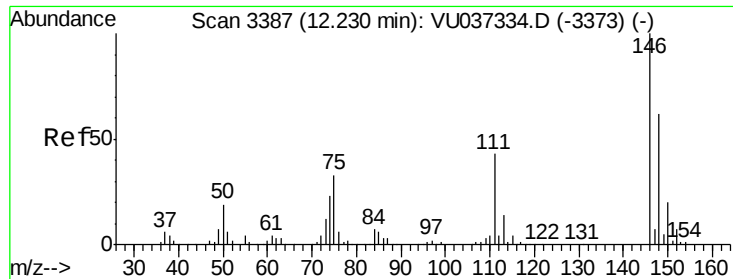
Tgt Ion:146 Resp: 119364
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.6 55.0
 148 62.8 45.6 84.8



#63
 1,4-Dichlorobenzene
 Concen: 4.445 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU037345.D
 Acq: 19 Mar 2020 18:42

Tgt Ion:146 Resp: 116474
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.0 53.9
 148 65.0 45.1 83.9

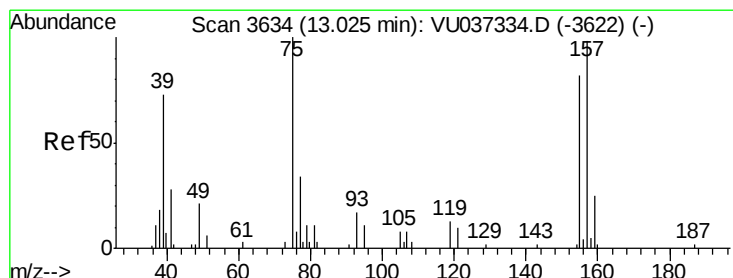
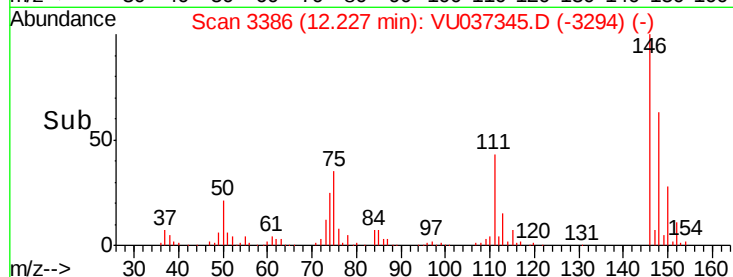
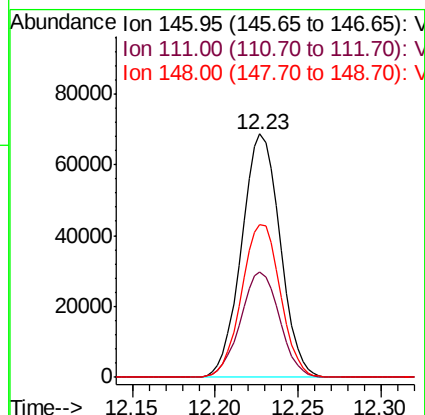
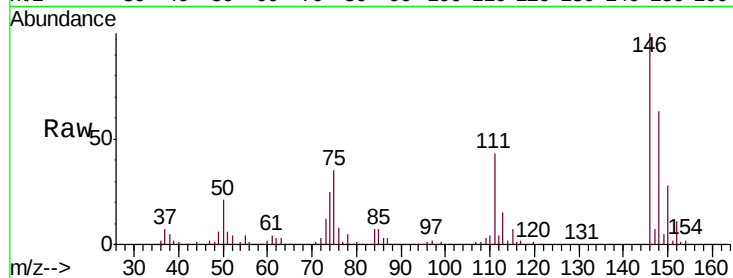




#65
1,2-Dichlorobenzene
Concen: 4.327 ug/L
RT: 12.23 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

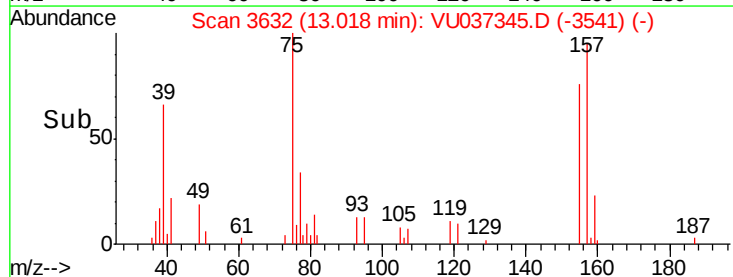
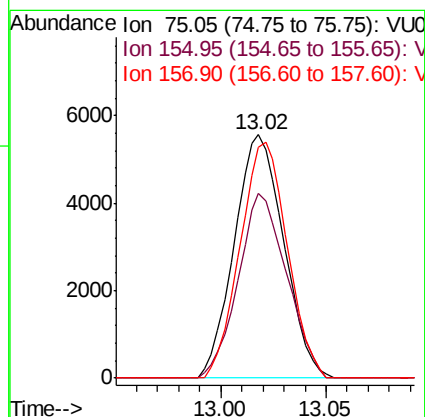
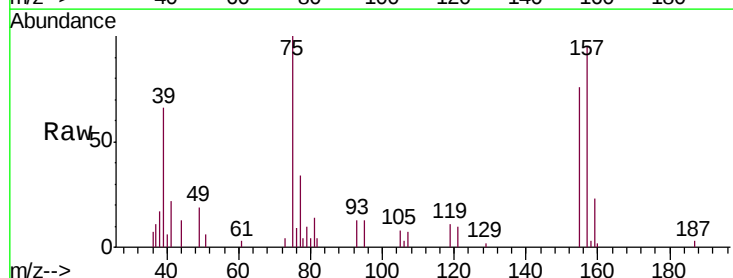
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

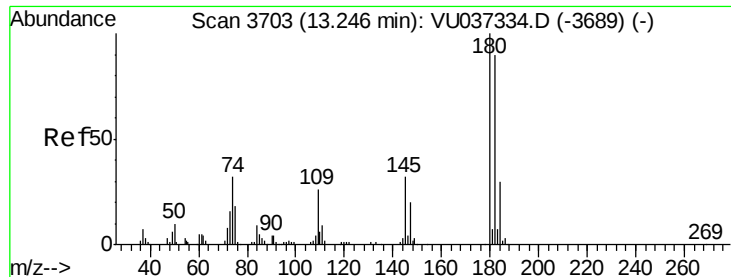
Tgt Ion:146 Resp: 110870
Ion Ratio Lower Upper
146 100
111 43.4 35.4 53.2
148 62.9 48.8 73.2



#66
1,2-Dibromo-3-chloropropane
Concen: 4.533 ug/L
RT: 13.02 min Scan# 3632
Delta R.T. -0.01 min
Lab File: VU037345.D
Acq: 19 Mar 2020 18:42

Tgt Ion: 75 Resp: 9046
Ion Ratio Lower Upper
75 100
155 76.0 63.7 95.5
157 94.7 81.5 122.3

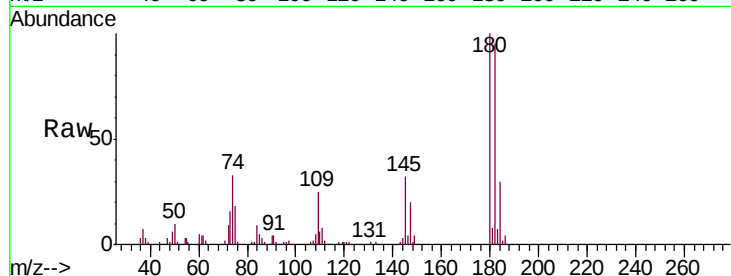




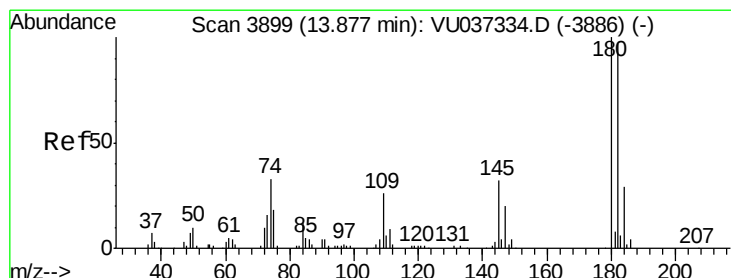
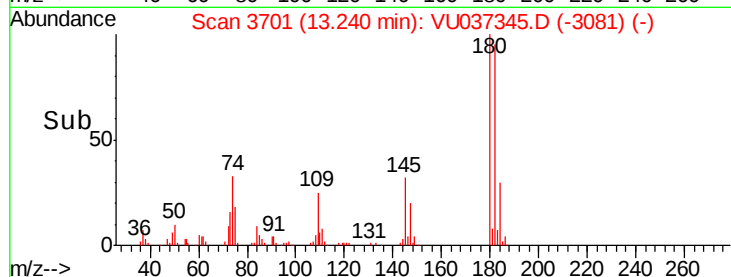
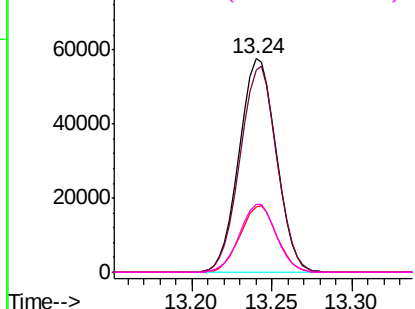
#67
 1,3,5-Trichlorobenzene
 Concen: 4.536 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU037345.D
 Acq: 19 Mar 2020 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tgt Ion:180 Resp: 91101
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.2 114.4
 184 30.6 24.4 36.6
 145 31.5 24.6 36.8

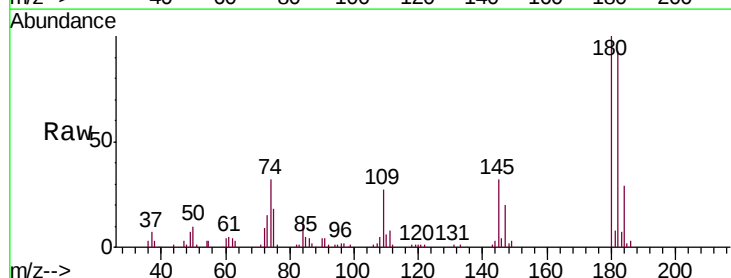


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

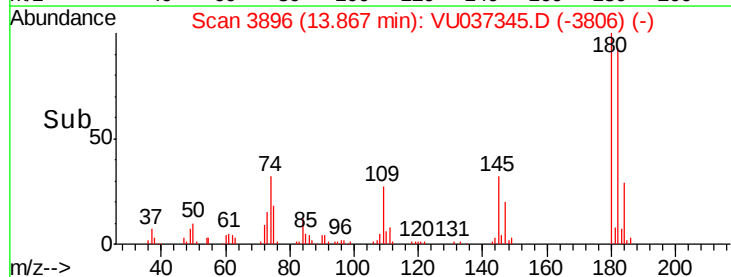
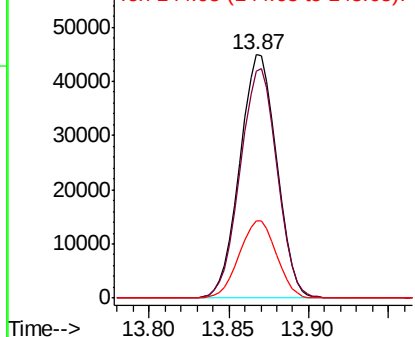


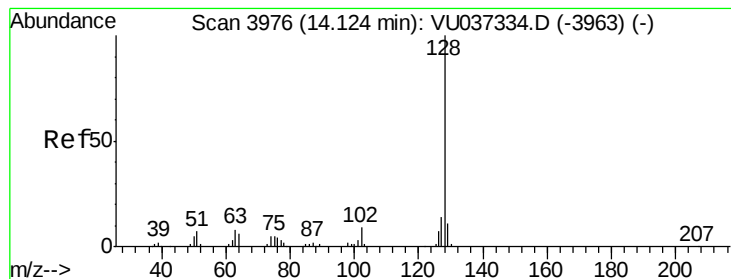
#68
 1,2,4-trichlorobenzene
 Concen: 5.075 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU037345.D
 Acq: 19 Mar 2020 18:42

Tgt Ion:180 Resp: 70769
 Ion Ratio Lower Upper
 180 100
 182 94.5 73.8 110.6
 145 31.9 24.6 36.8



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: 5.198 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

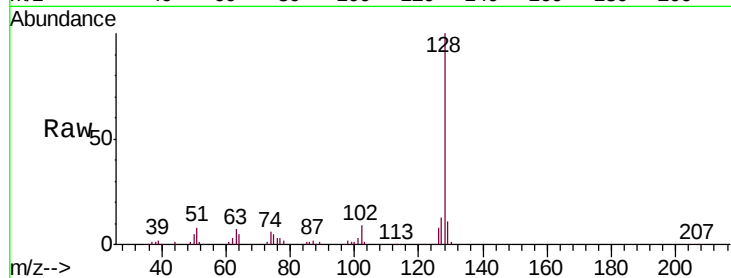
Tgt Ion:128 Resp: 103821

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

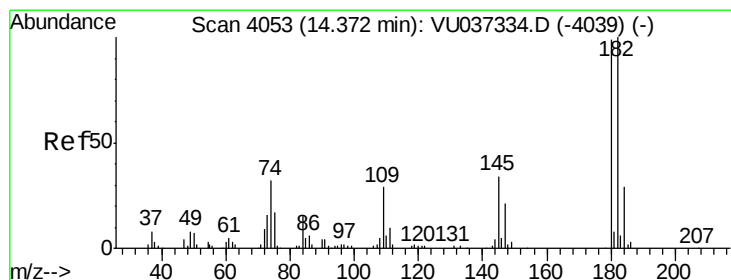
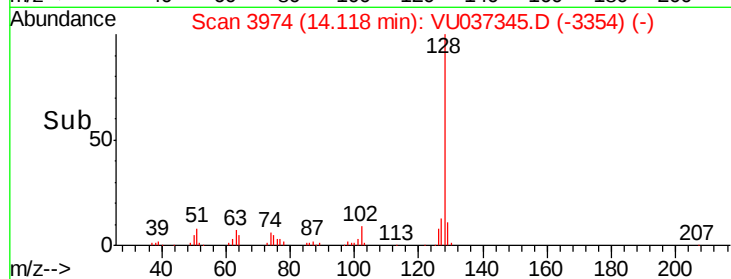
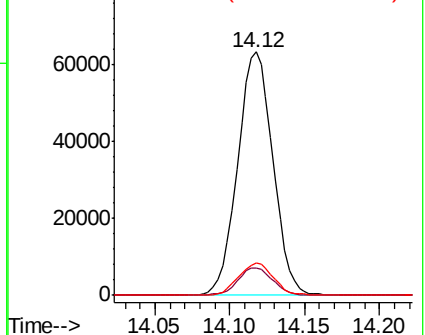
127 13.2 10.0 15.0



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: 4.990 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU037345.D

Acq: 19 Mar 2020 18:42

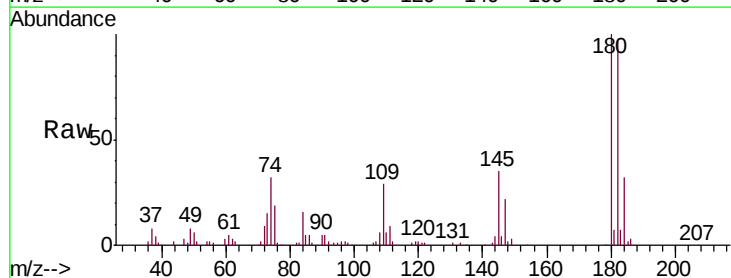
Tgt Ion:180 Resp: 67427

Ion Ratio Lower Upper

180 100

182 96.5 77.4 116.2

145 34.3 26.7 40.1



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

