

Data File : VU032425.D
Acq On : 04 Jun 2019 14:04
Operator : JC/SP
Sample : VSTD02013
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02013

Quant Time: Jun 04 22:36:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:32:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	107743	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	99441	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52505	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	144525	17.00	ug/L	0.00
7) Chloroethane-d5	1.67	69	135703	19.25	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	292200	16.72	ug/L	0.00
20) 2-Butanone-d5	4.19	46	424099	209.01	ug/L	0.00
24) Chloroform-d	4.64	84	265473	20.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	136917	20.94	ug/L	0.00
32) Benzene-d6	5.33	84	522190	19.69	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	161848	19.52	ug/L	0.00
41) Toluene-d8	7.56	98	489430	19.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	73413	21.47	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	367362	221.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	143092	21.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	193222	19.82	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	178901	20.034	ug/L	100
3) Chloromethane	1.32	50	179352	16.825	ug/L	99
5) Vinyl chloride	1.40	62	185614	17.419	ug/L	100
6) Bromomethane	1.63	94	122499	18.798	ug/L	98
8) Chloroethane	1.69	64	126844	19.043	ug/L	98
9) Trichlorofluoromethane	1.88	101	261514	18.298	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	140355	17.196	ug/L	99
12) 1,1-Dichloroethene	2.28	96	132937	16.690	ug/L	92
13) Acetone	2.33	43	281066	171.802	ug/L	100
14) Carbon disulfide	2.47	76	431833	15.809	ug/L	100
15) Methyl Acetate	2.62	43	74585	15.878	ug/L	99
16) Methylene chloride	2.69	84	142830	14.332	ug/L	97
17) Methyl tert-butyl Ether	3.00	73	394814	17.762	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	142616	16.517	ug/L	95
19) 1,1-Dichloroethane	3.43	63	260616	19.421	ug/L	98
21) 2-Butanone	4.27	43	444419	202.922	ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	164169	20.811	ug/L	99
23) Bromochloromethane	4.54	128	74252	21.082	ug/L	98
25) Chloroform	4.67	83	269242	20.590	ug/L	99
27) 1,2-Dichloroethane	5.40	62	176441	20.994	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	246538	22.031	ug/L	99
30) Cyclohexane	4.98	56	254229	19.710	ug/L	99
31) Carbon tetrachloride	5.13	117	225753	22.890	ug/L	99
33) Benzene	5.38	78	586642	20.022	ug/L	100
34) Trichloroethene	6.18	95	161994	19.887	ug/L	98
35) Methylcyclohexane	6.40	83	268251	21.839	ug/L	99
37) 1,2-Dichloropropane	6.43	63	152829	19.856	ug/L	99
38) Bromodichloromethane	6.75	83	199686	21.479	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	247263	22.273	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1115100	217.428	ug/L	100

Data File : VU032425.D
Acq On : 04 Jun 2019 14:04
Operator : JC/SP
Sample : VSTD02013
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02013

Quant Time: Jun 04 22:36:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 04 22:32:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	654726	20.617	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	199356	23.063	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	111976	20.828	ug/L	97
47) Tetrachloroethene	8.22	164	133635	21.471	ug/L	96
48) 2-Hexanone	8.36	43	804588	225.084	ug/L	99
49) Dibromochloromethane	8.47	129	147374	22.670	ug/L	99
50) 1,2-Dibromoethane	8.58	107	112960	21.672	ug/L	99
51) Chlorobenzene	9.11	112	413607	21.033	ug/L	99
52) Ethylbenzene	9.24	91	734508	21.646	ug/L	100
53) m,p-Xylene	9.37	106	279019	21.732	ug/L	98
54) o-Xylene	9.77	106	275469	22.026	ug/L	98
55) Styrene	9.79	104	466580	22.329	ug/L	99
56) Isopropylbenzene	10.16	105	733519	22.378	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	144624	21.278	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	101287	21.145	ug/L	99
61) Bromoform	9.95	173	89906	21.613	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	344851	21.318	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	338319	20.658	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	325808	20.781	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	25625	21.941	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	279296	21.281	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	249899	23.098	ug/L	99
69) Naphthalene	13.74	128	468917	14.699	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	228155	21.818	ug/L	97

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

Data File : VU032425.D

Acq On : 04 Jun 2019 14:04

Operator : JC/SP

Sample : VSTD02013

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD02013

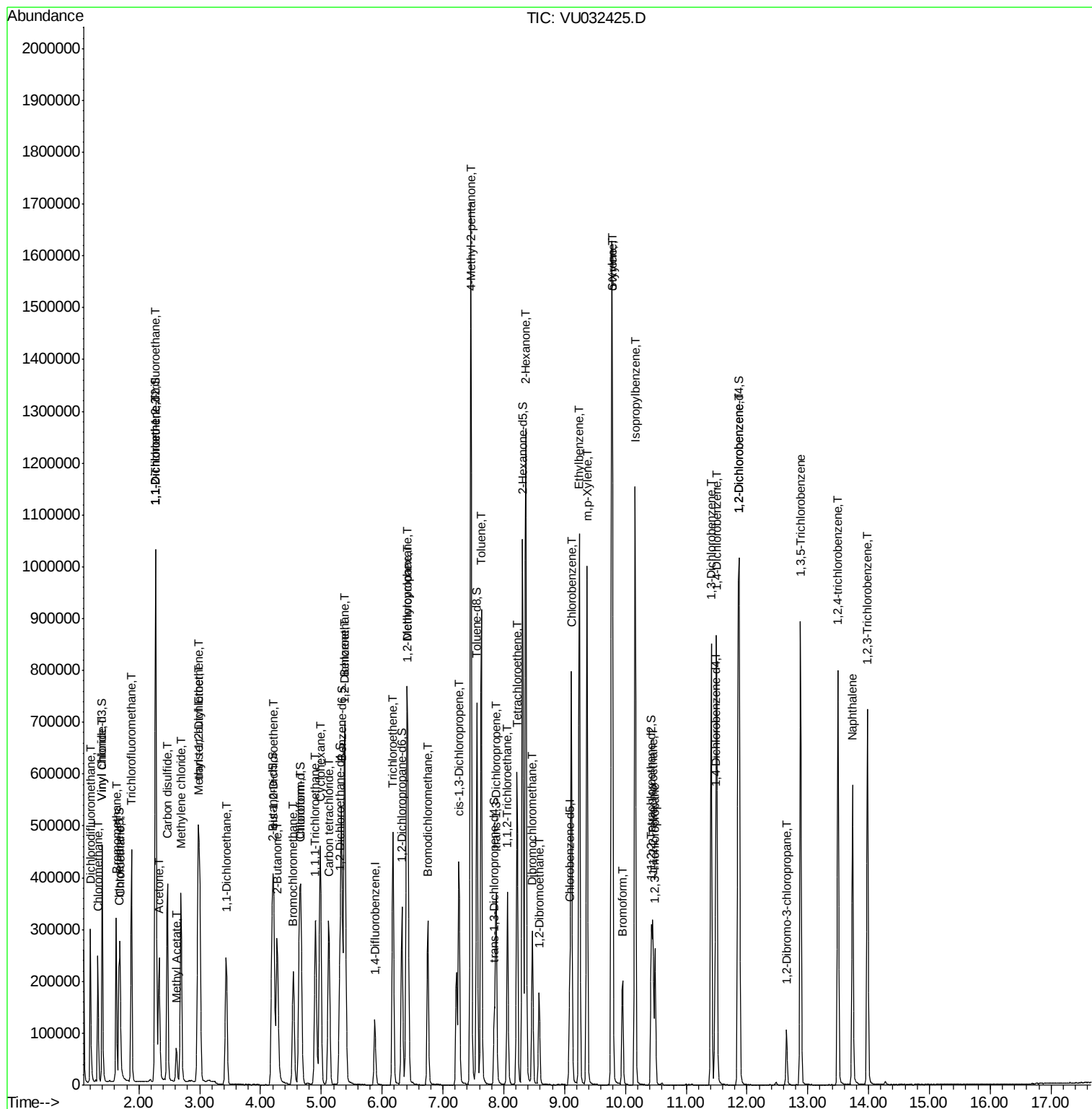
Quant Time: Jun 04 22:36:49 2019

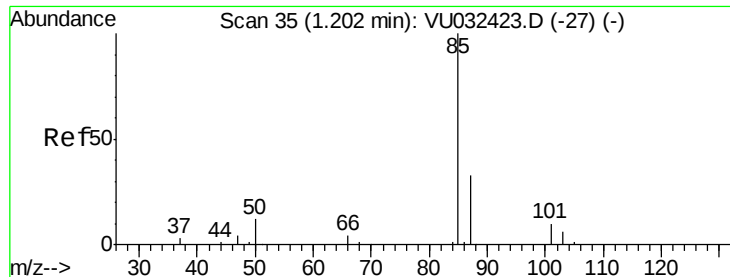
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 04 22:32:28 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 20.034 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

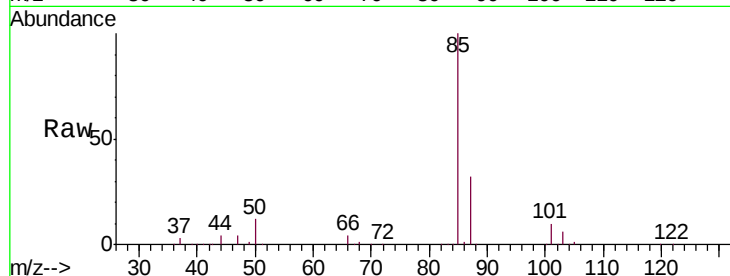
VSTD02013

Tgt Ion: 85 Resp: 178901

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032423.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU032423.D (-27) (-)

1.20

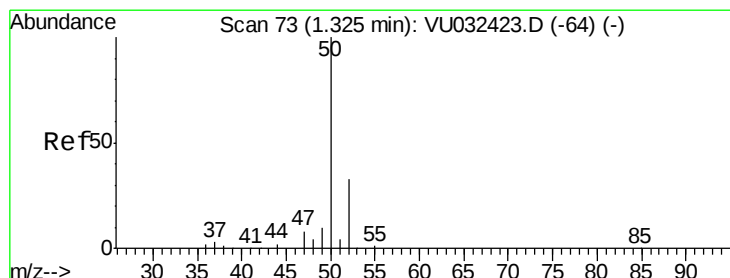
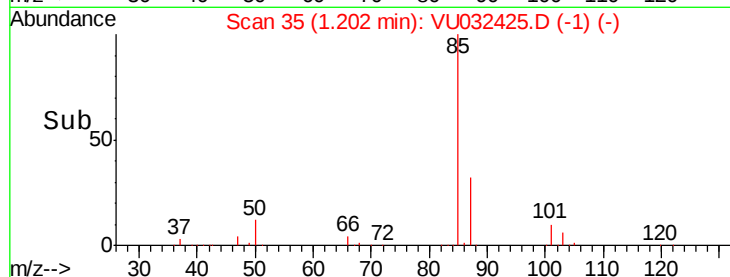
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 16.825 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032425.D

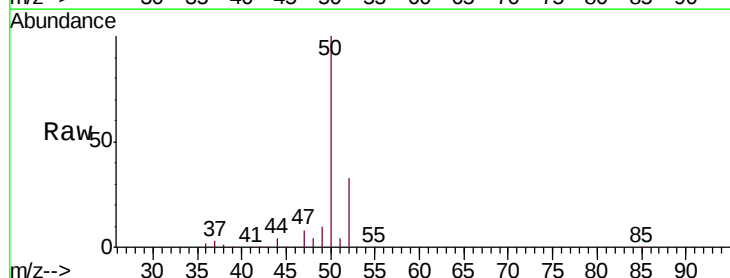
Acq: 04 Jun 2019 14:04

Tgt Ion: 50 Resp: 179352

Ion Ratio Lower Upper

50 100

52 32.7 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VU032423.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU032423.D (-64) (-)

1.32

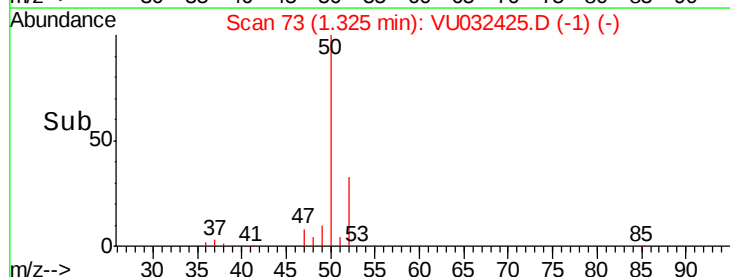
150000

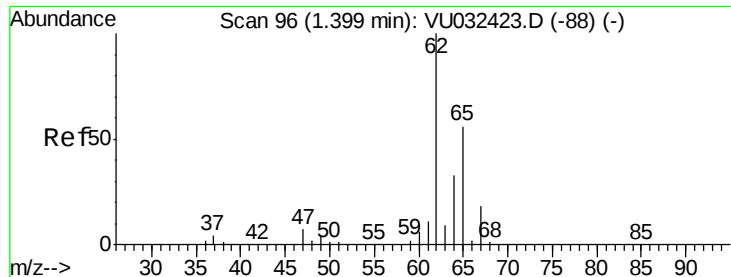
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 17.419 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

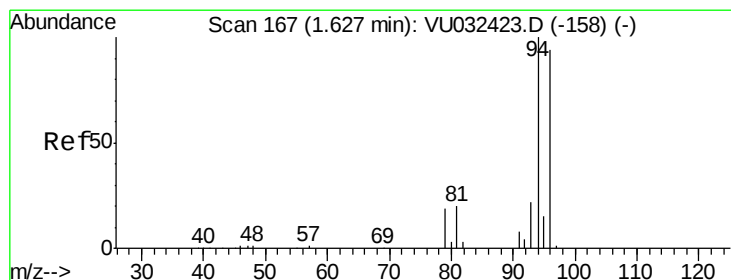
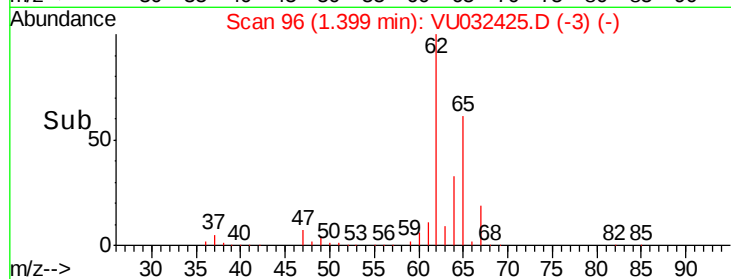
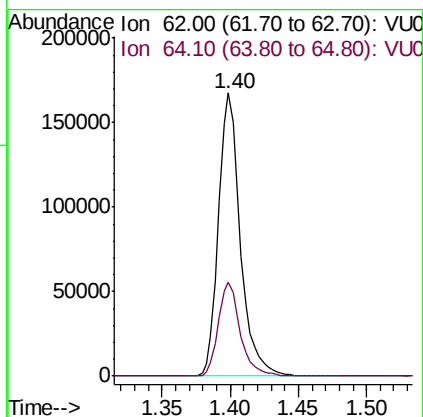
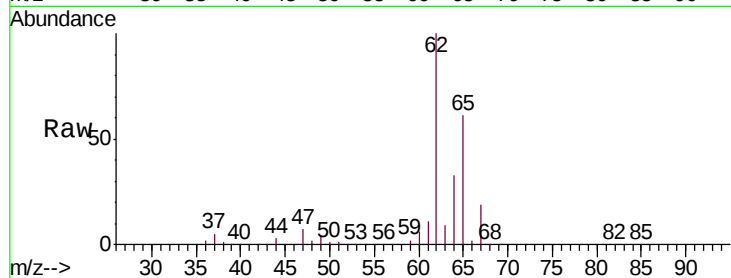
VSTD02013

Tgt Ion: 62 Resp: 185614

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.8



#6

Bromomethane

Concen: 18.798 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU032425.D

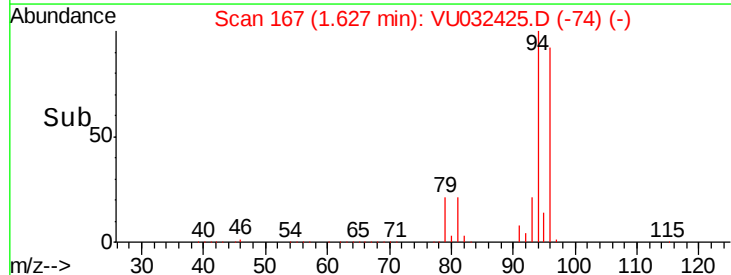
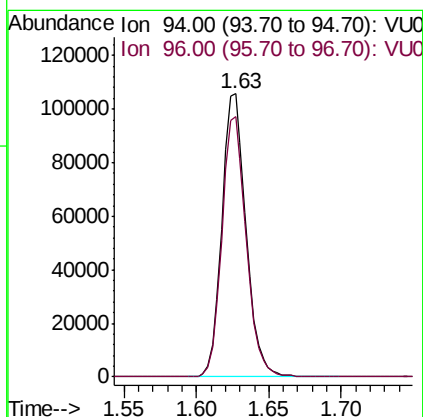
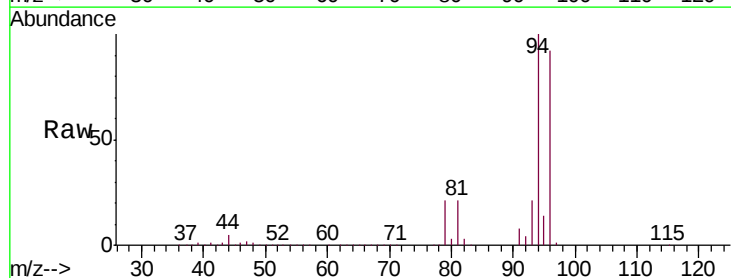
Acq: 04 Jun 2019 14:04

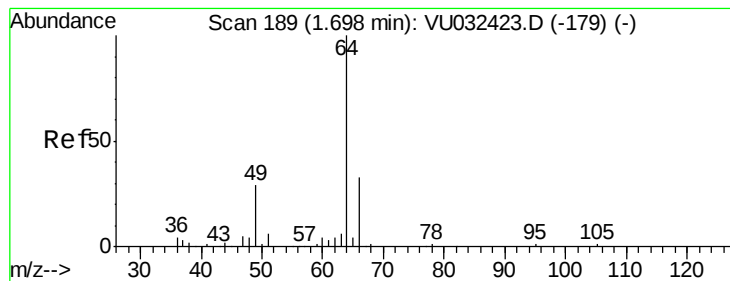
Tgt Ion: 94 Resp: 122499

Ion Ratio Lower Upper

94 100

96 92.0 65.5 121.6





#8

Chloroethane

Concen: 19.043 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

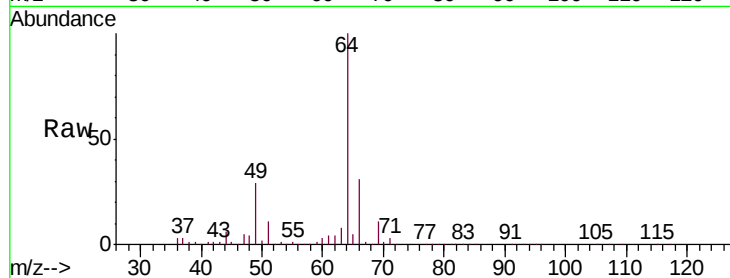
VSTD02013

Tgt Ion: 64 Resp: 126844

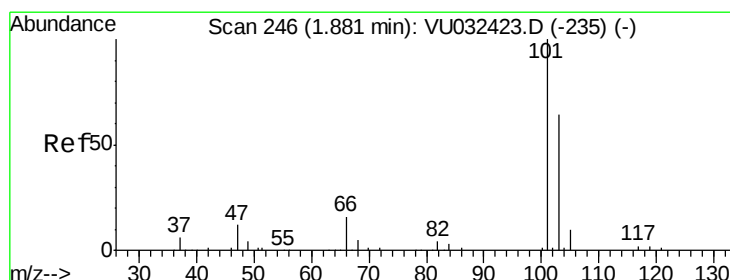
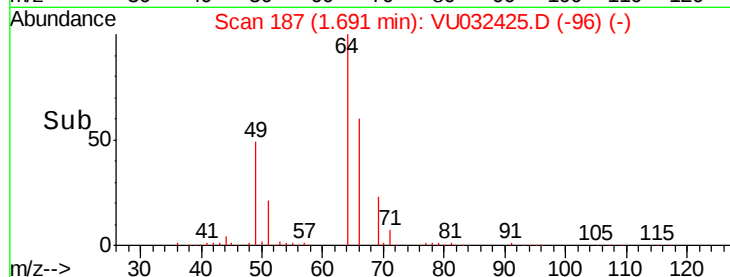
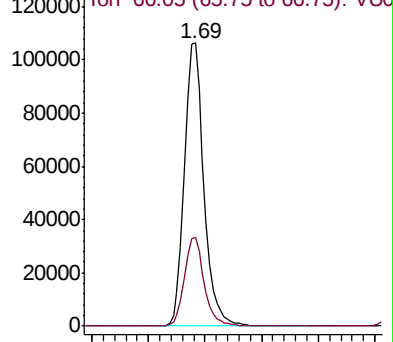
Ion Ratio Lower Upper

64 100

66 31.4 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VU032423.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 18.298 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032425.D

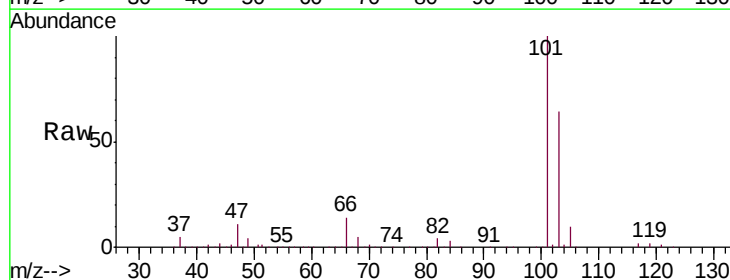
Acq: 04 Jun 2019 14:04

Tgt Ion: 101 Resp: 261514

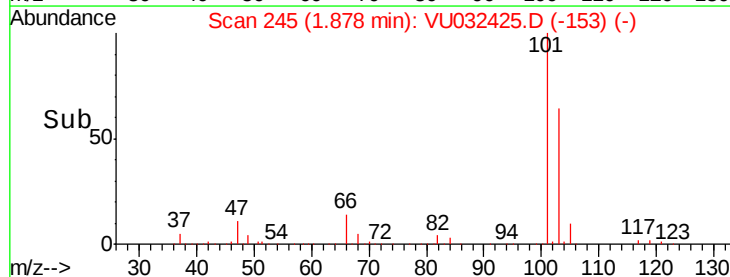
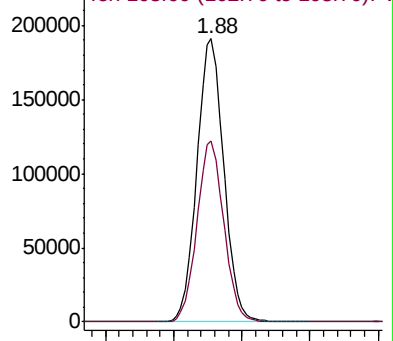
Ion Ratio Lower Upper

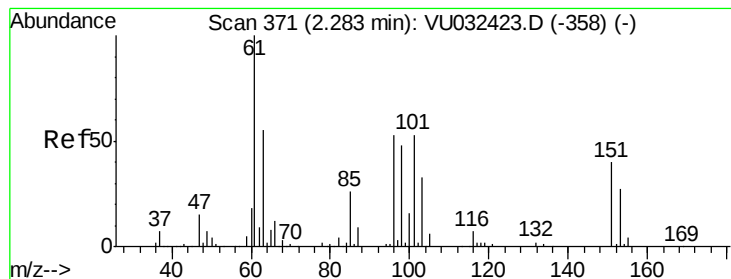
101 100

103 63.9 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): VU032423.D (-235) (-)





#10

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

Concen: 17.196 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD02013

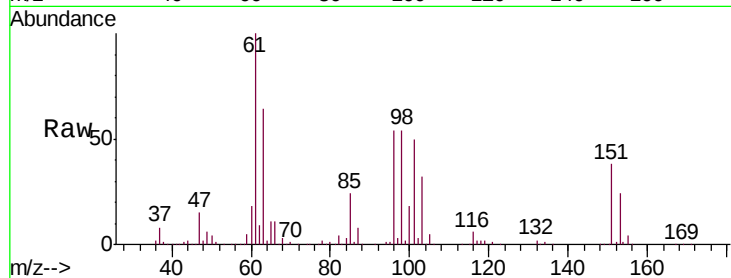
Tgt Ion: 101 Resp: 140355

Ion Ratio Lower Upper

101 100

85 46.6 38.9 58.3

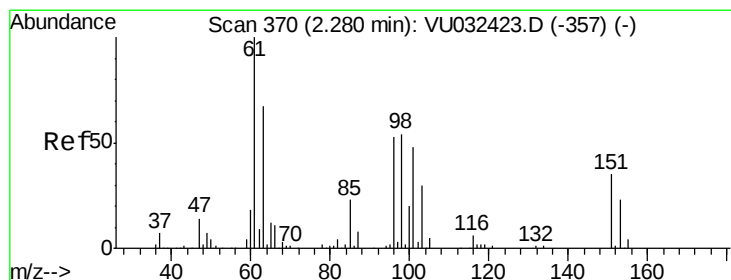
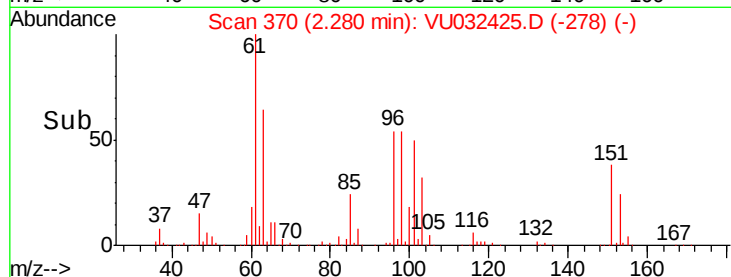
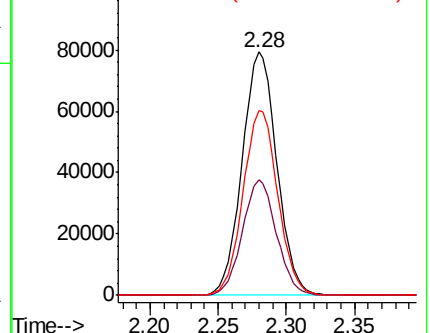
151 75.7 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 16.690 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

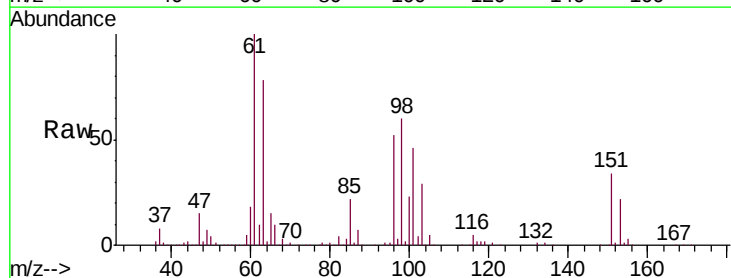
Tgt Ion: 96 Resp: 132937

Ion Ratio Lower Upper

96 100

61 190.7 131.8 244.8

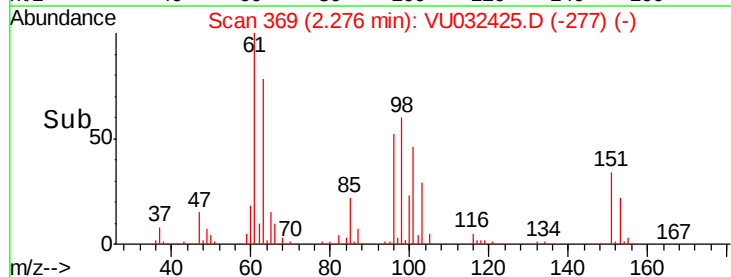
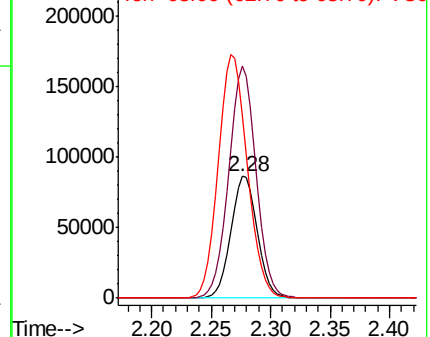
63 149.5 90.1 167.3

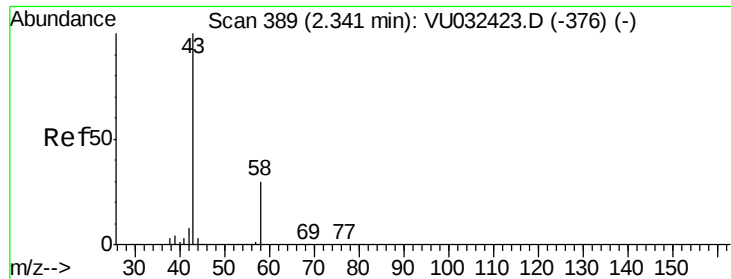


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 171.802 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

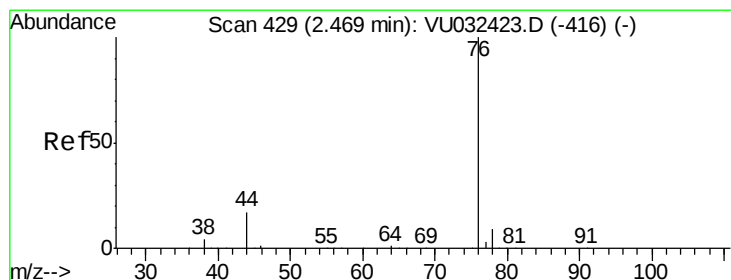
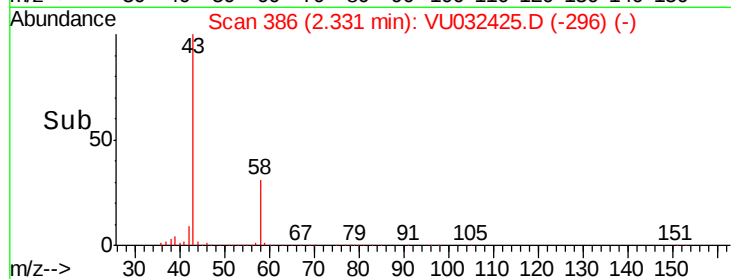
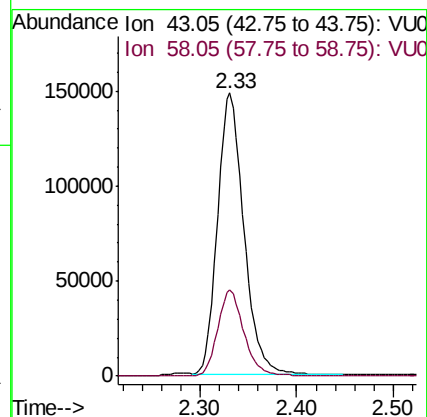
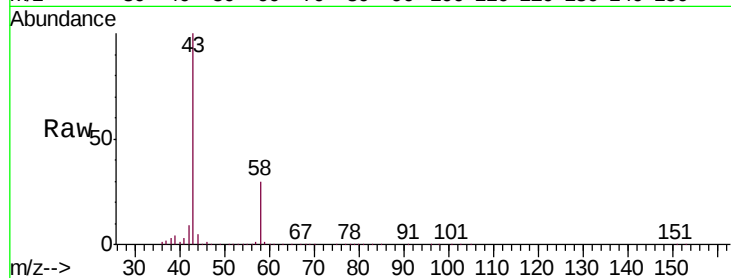
VSTD02013

Tgt Ion: 43 Resp: 281066

Ion Ratio Lower Upper

43 100

58 30.5 0.0 60.8



#14

Carbon disulfide

Concen: 15.809 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032425.D

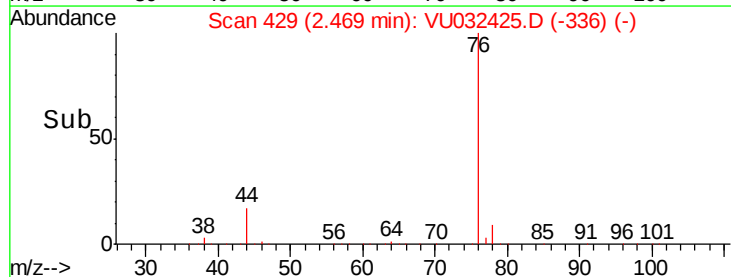
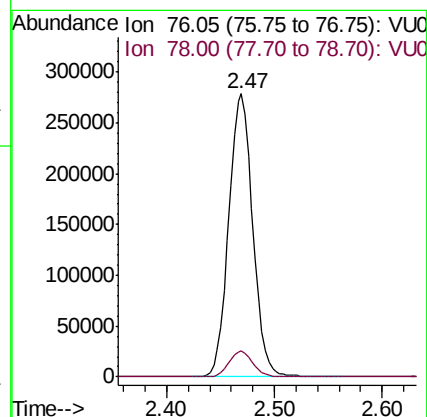
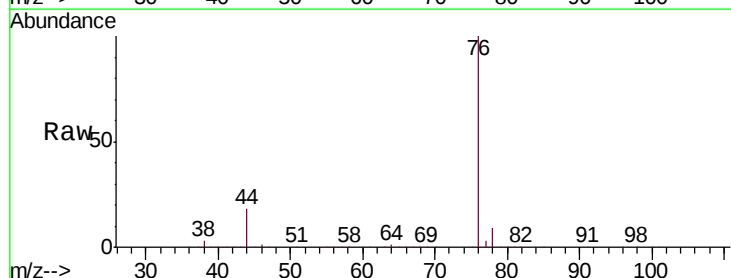
Acq: 04 Jun 2019 14:04

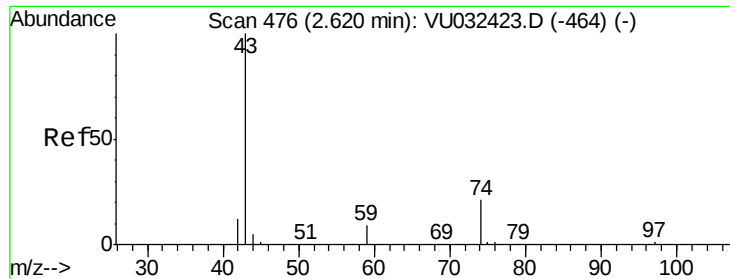
Tgt Ion: 76 Resp: 431833

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 15.878 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

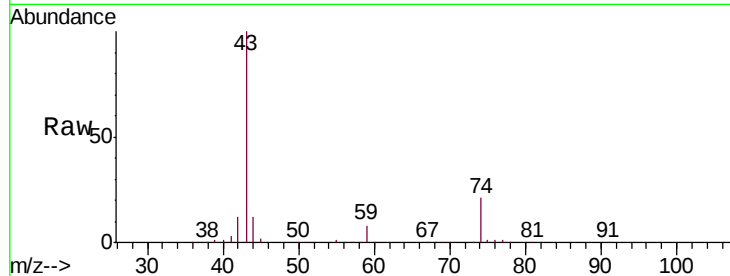
VSTD02013

Tgt Ion: 43 Resp: 74585

Ion Ratio Lower Upper

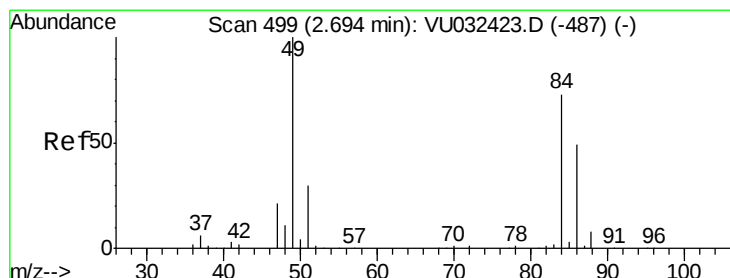
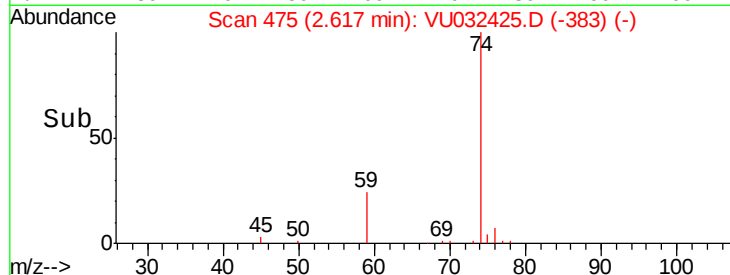
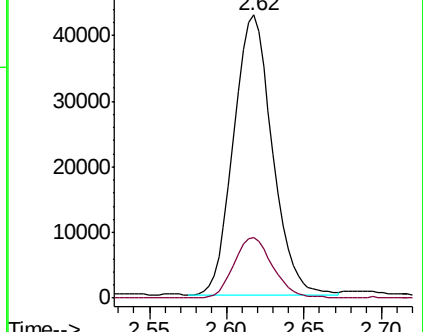
43 100

74 21.8 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 14.332 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

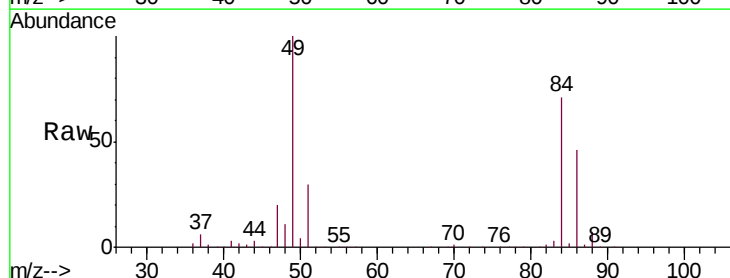
Tgt Ion: 84 Resp: 142830

Ion Ratio Lower Upper

84 100

86 65.1 47.2 87.6

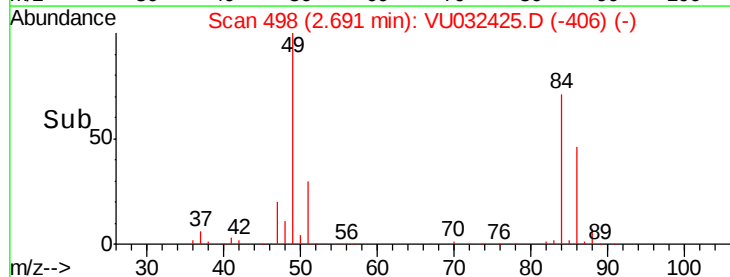
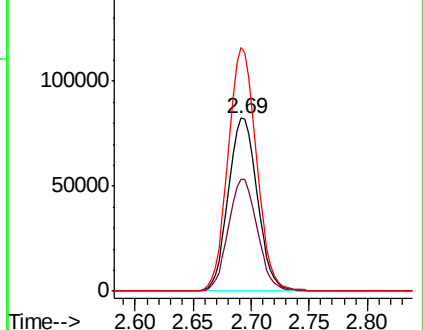
49 141.1 95.9 178.1

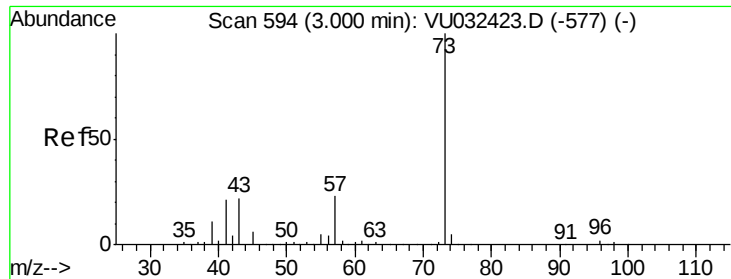


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 17.762 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD02013

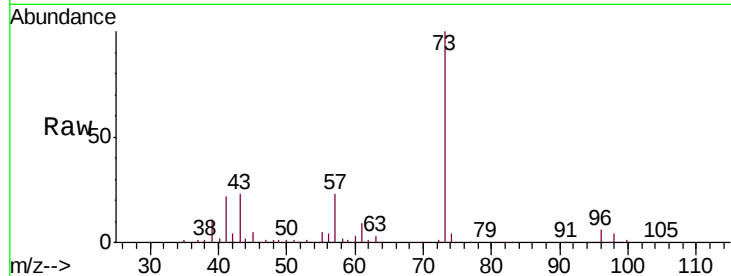
Tgt Ion: 73 Resp: 394814

Ion Ratio Lower Upper

73 100

43 22.7 18.6 27.8

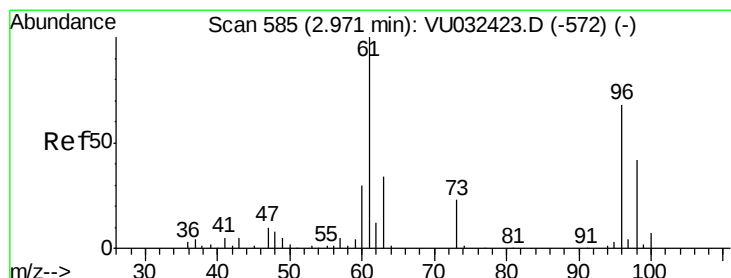
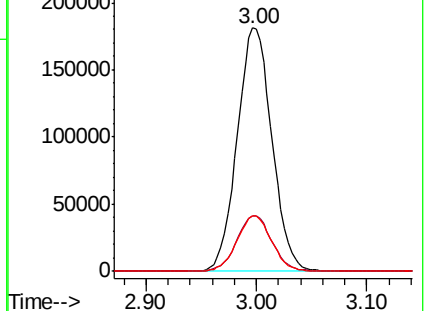
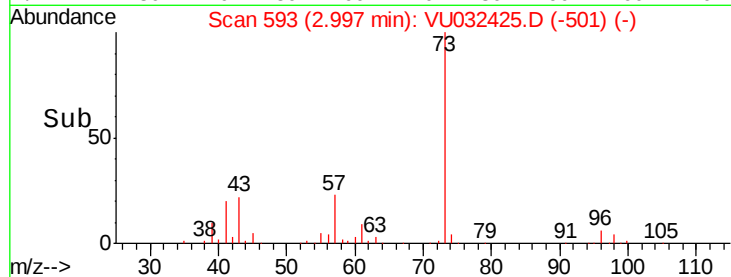
57 22.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU032425.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032425.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032425.D (-577) (-)



#18

trans-1,2-Dichloroethene

Concen: 16.517 ug/L

RT: 2.97 min Scan# 585

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

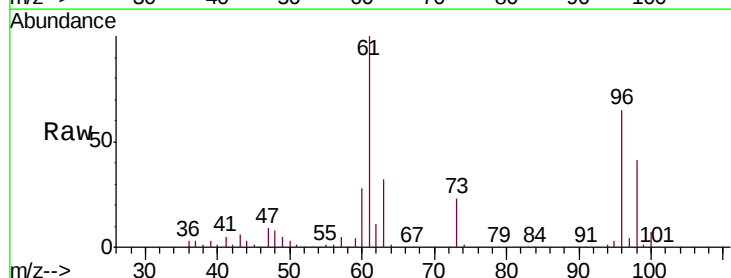
Tgt Ion: 96 Resp: 142616

Ion Ratio Lower Upper

96 100

61 154.5 103.1 191.5

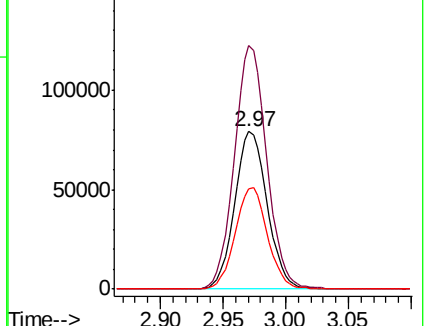
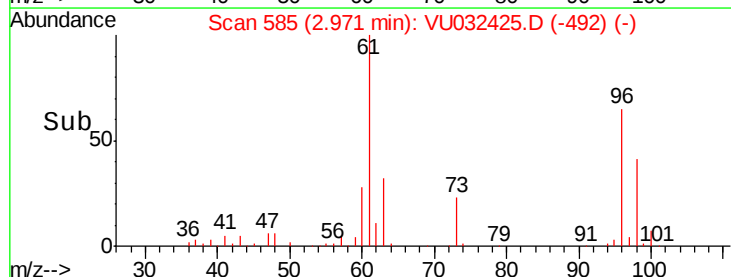
98 64.0 43.7 81.1

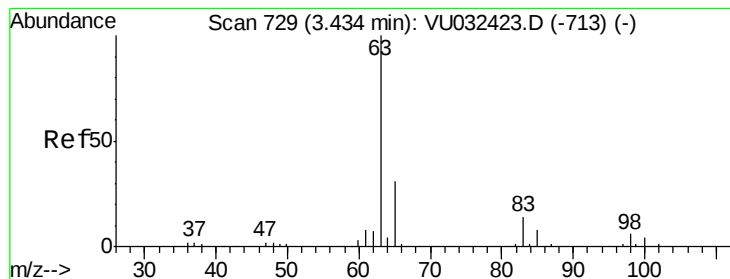


Abundance Ion 96.00 (95.70 to 96.70): VU032425.D (-492) (-)

Ion 61.05 (60.75 to 61.75): VU032425.D (-492) (-)

Ion 97.95 (97.65 to 98.65): VU032425.D (-492) (-)





#19

1,1-Dichloroethane

Concen: 19.421 ug/L

RT: 3.43 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD02013

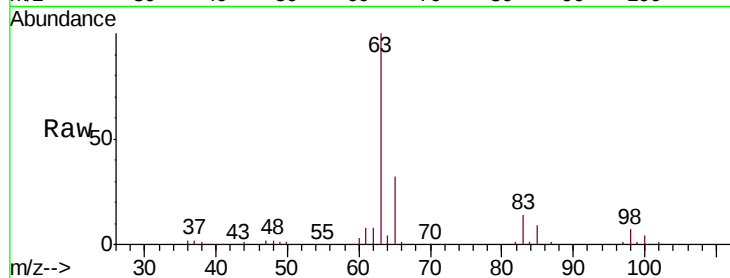
Tgt Ion: 63 Resp: 260616

Ion Ratio Lower Upper

63 100

65 31.8 21.3 39.6

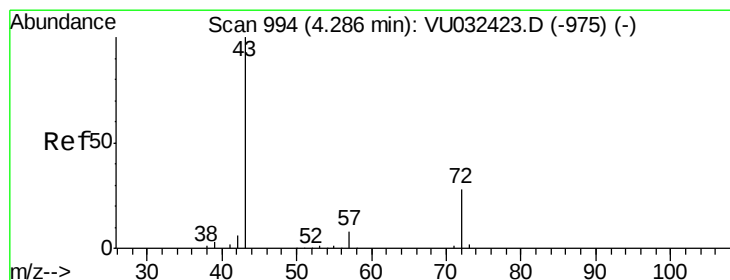
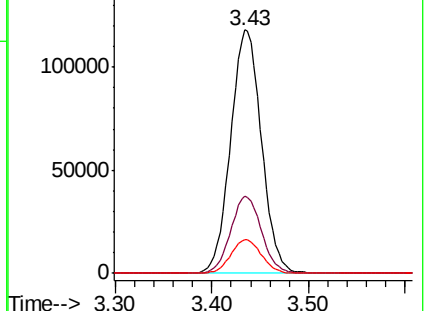
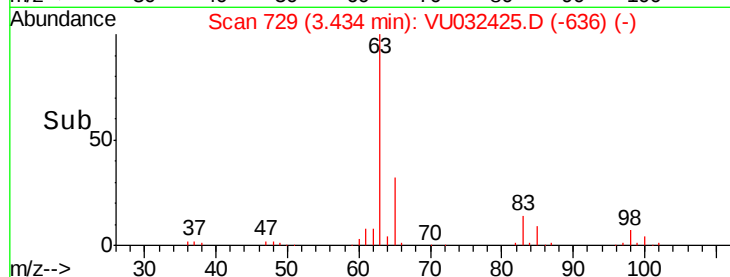
83 13.8 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VU032425.D (-636) (-)

Ion 65.10 (64.80 to 65.80): VU032425.D (-636) (-)

Ion 83.05 (82.75 to 83.75): VU032425.D (-636) (-)



#21

2-Butanone

Concen: 202.922 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.01 min

Lab File: VU032425.D

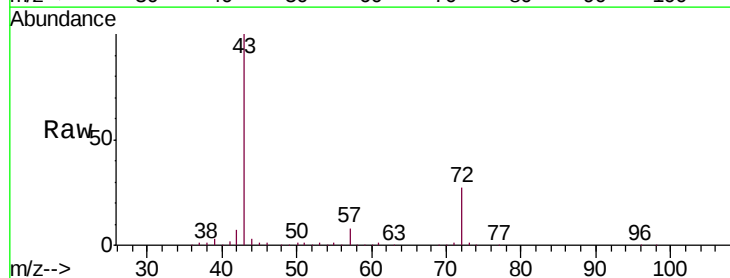
Acq: 04 Jun 2019 14:04

Tgt Ion: 43 Resp: 444419

Ion Ratio Lower Upper

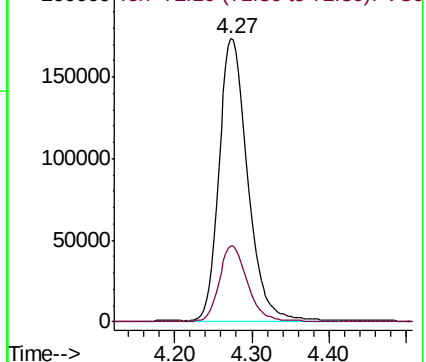
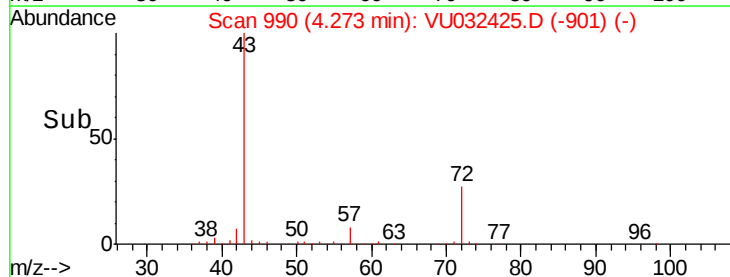
43 100

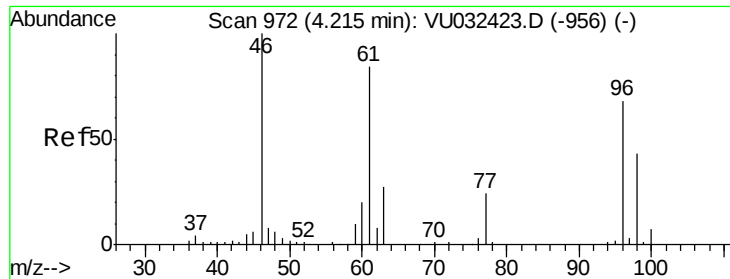
72 26.2 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU032425.D (-901) (-)

Ion 72.10 (71.80 to 72.80): VU032425.D (-901) (-)



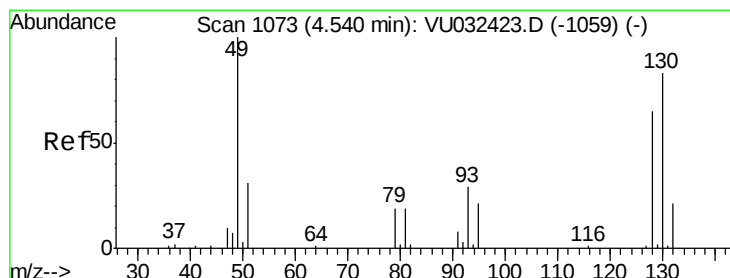
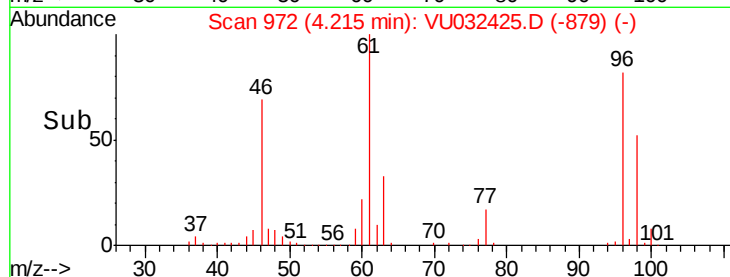
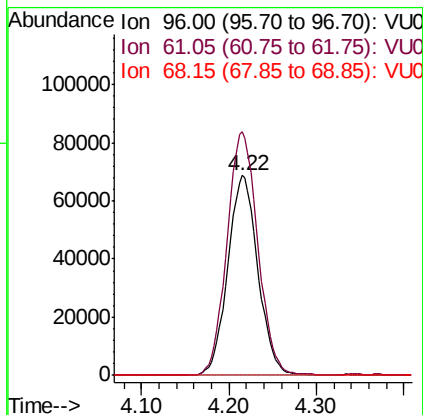
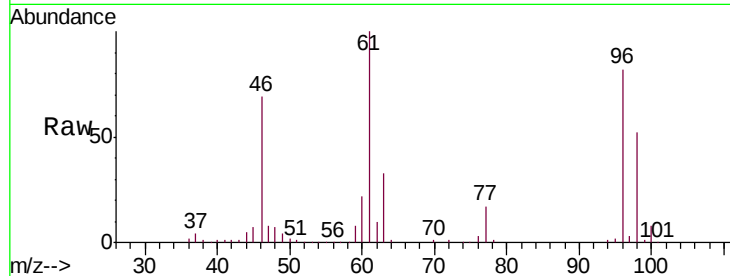


#22

cis-1,2-Dichloroethene
 Concen: 20.811 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02013

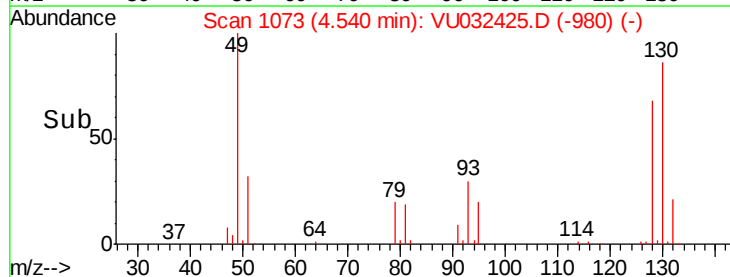
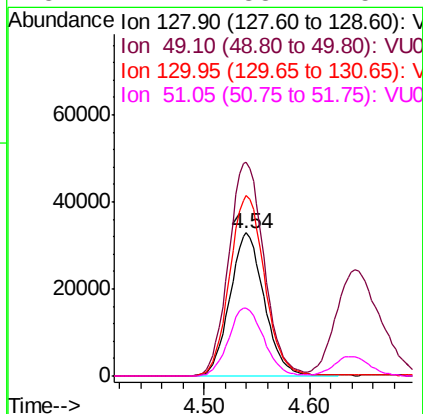
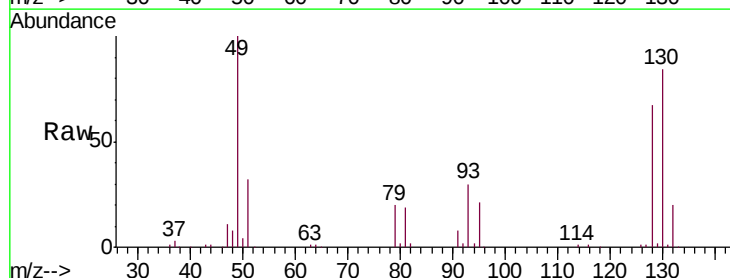
Tgt Ion: 96 Resp: 164169
 Ion Ratio Lower Upper
 96 100
 61 122.1 86.6 160.8
 68 0.0 0.0 0.0

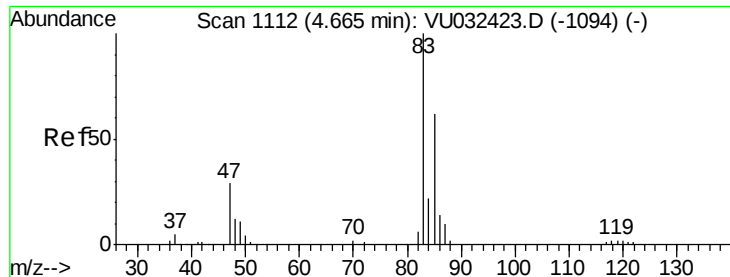


#23

Bromochloromethane
 Concen: 21.082 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

Tgt Ion: 128 Resp: 74252
 Ion Ratio Lower Upper
 128 100
 49 149.5 107.8 200.2
 130 126.2 89.3 165.9
 51 47.4 38.2 57.4

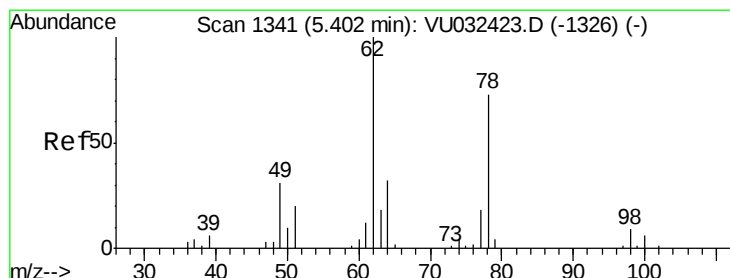
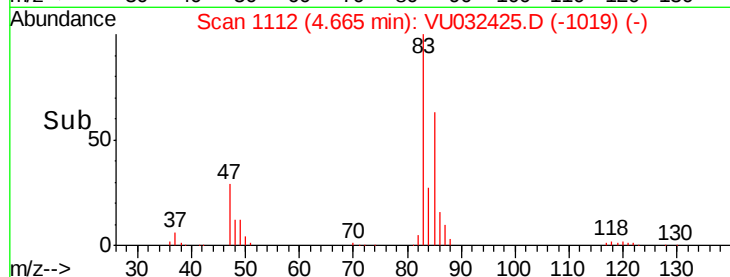
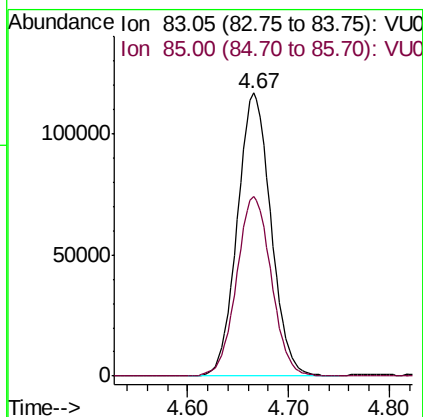
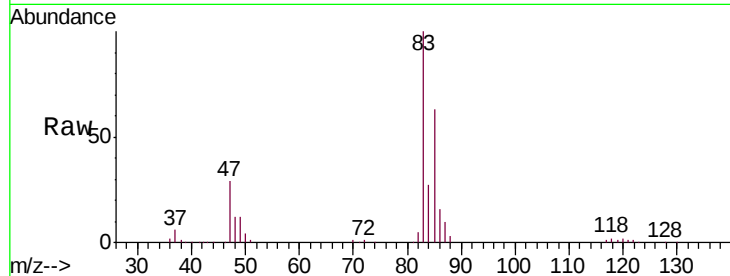




#25
Chloroform
Concen: 20.590 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032425.D
Acq: 04 Jun 2019 14:04

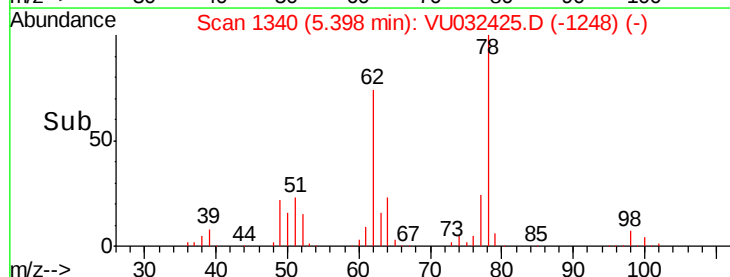
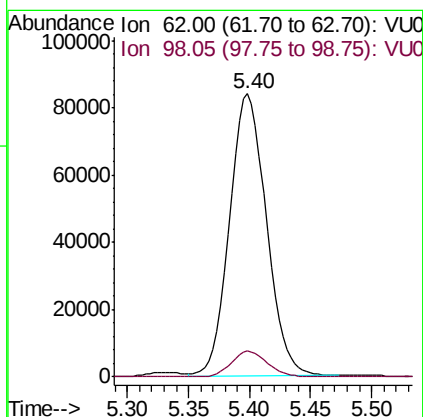
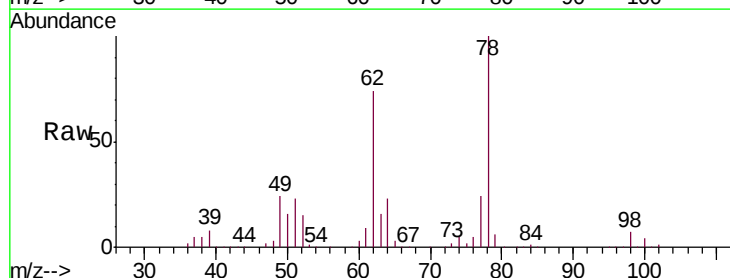
Instrument :
MSVOA_U
ClientSampleId :
VSTD02013

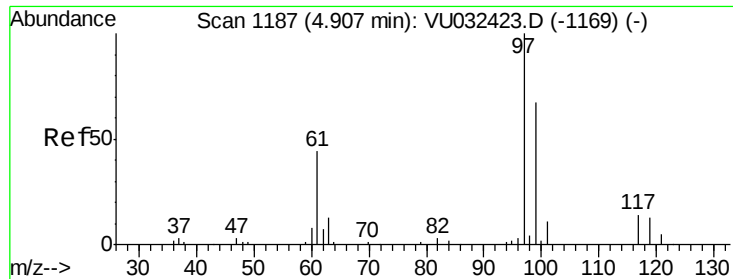
Tgt Ion: 83 Resp: 269242
Ion Ratio Lower Upper
83 100
85 63.4 43.8 81.3



#27
1,2-Dichloroethane
Concen: 20.994 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032425.D
Acq: 04 Jun 2019 14:04

Tgt Ion: 62 Resp: 176441
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.6

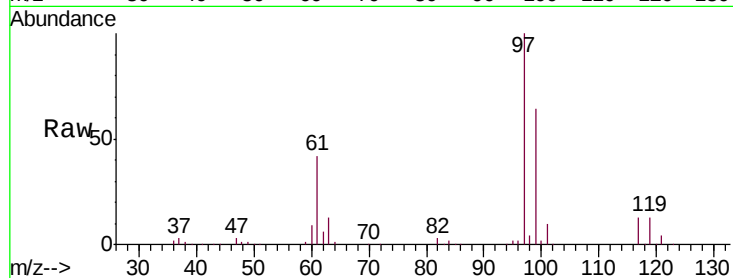




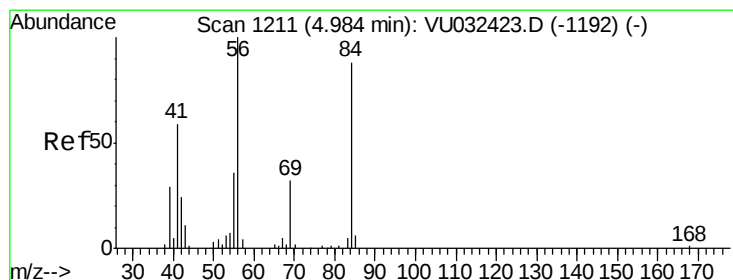
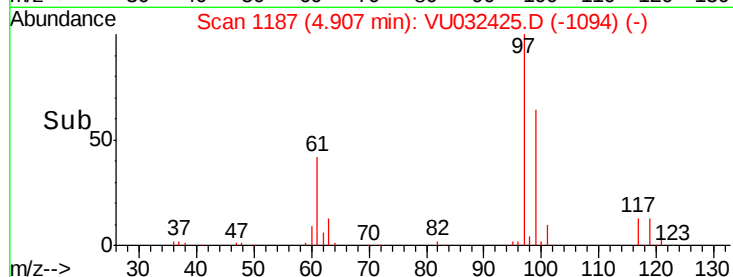
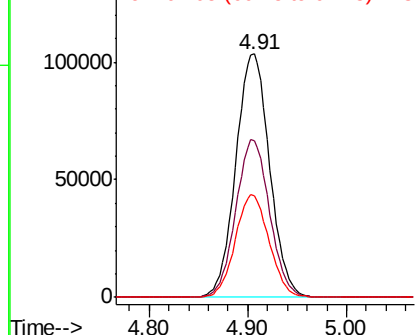
#29
 1,1,1-Trichloroethane
 Concen: 22.031 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02013

Tgt Ion: 97 Resp: 246538
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.8 77.6
 61 42.2 34.7 52.1

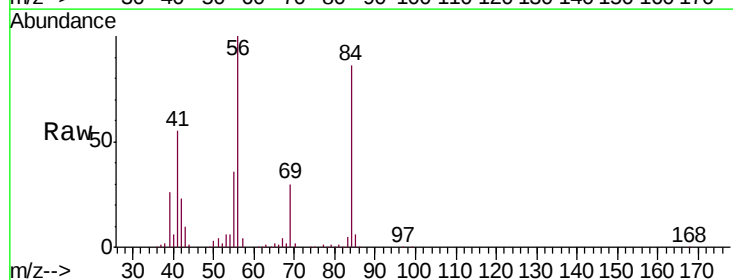


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

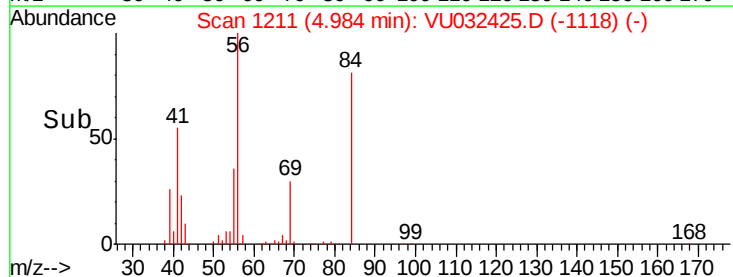
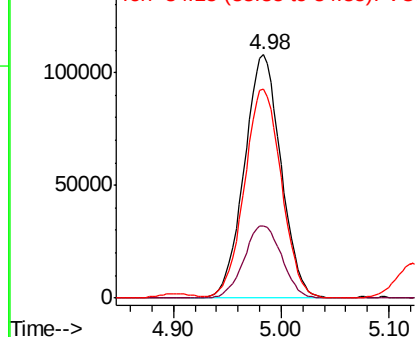


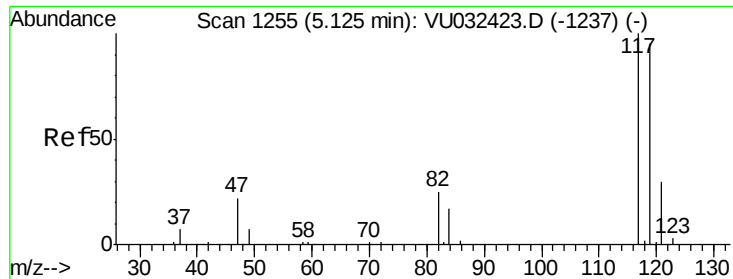
#30
 Cyclohexane
 Concen: 19.710 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

Tgt Ion: 56 Resp: 254229
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.9 37.3
 84 86.5 70.2 105.2



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





#31

Carbon tetrachloride

Concen: 22.890 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampled :

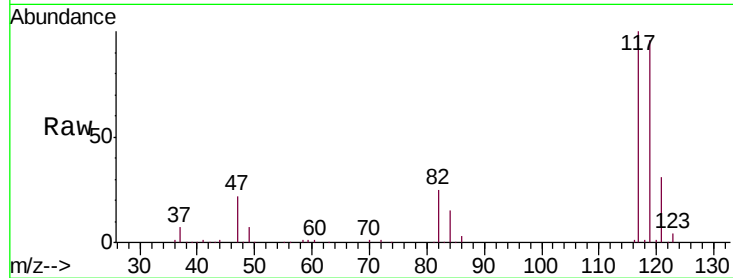
VSTD02013

Tgt Ion:117 Resp: 225753

Ion Ratio Lower Upper

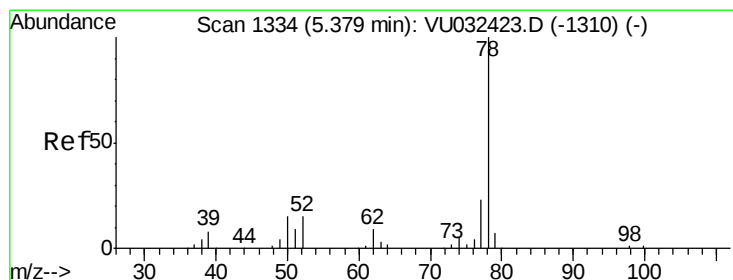
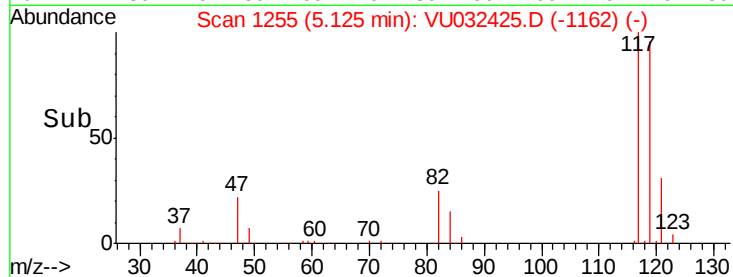
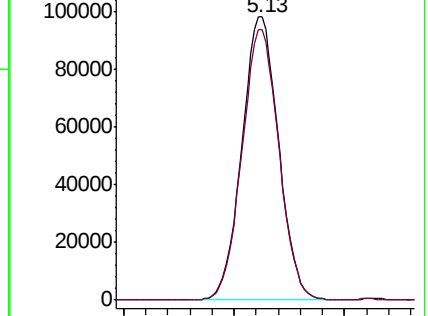
117 100

119 96.2 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.022 ug/L

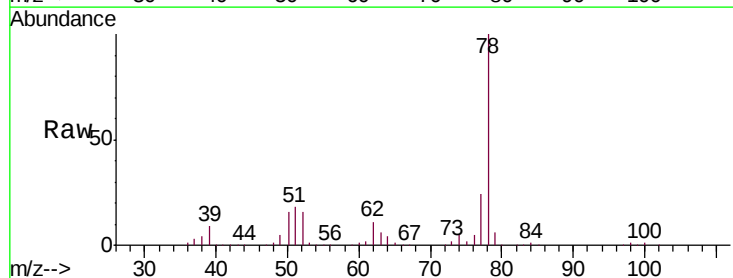
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

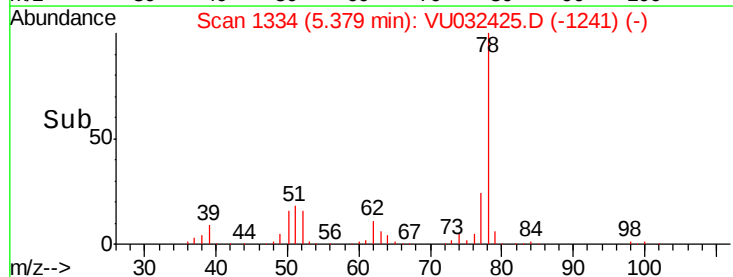
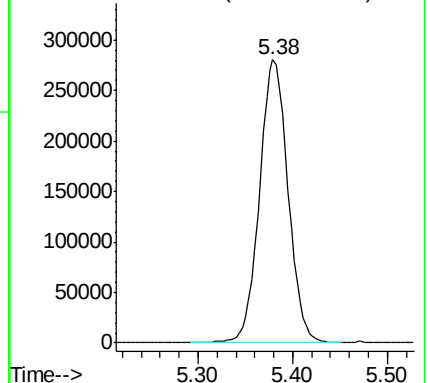
Lab File: VU032425.D

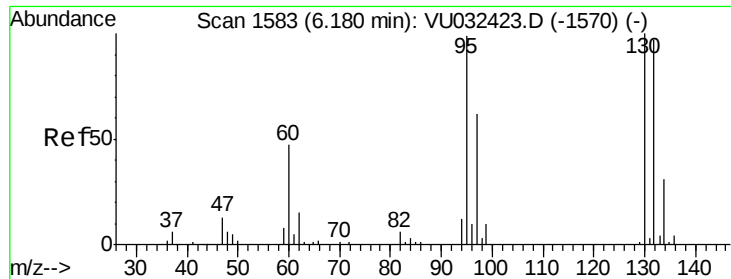
Acq: 04 Jun 2019 14:04

Tgt Ion: 78 Resp: 586642



Abundance Ion 78.10 (77.80 to 78.80): VU0

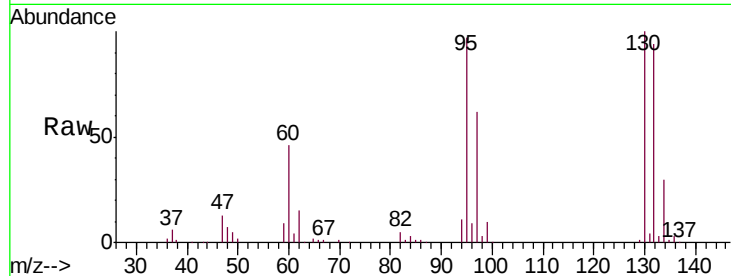




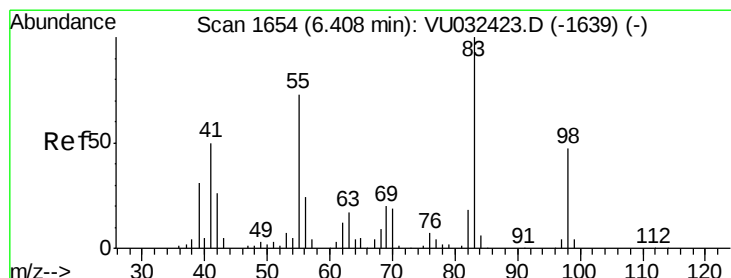
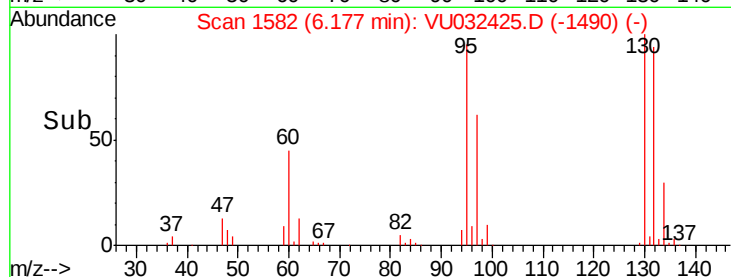
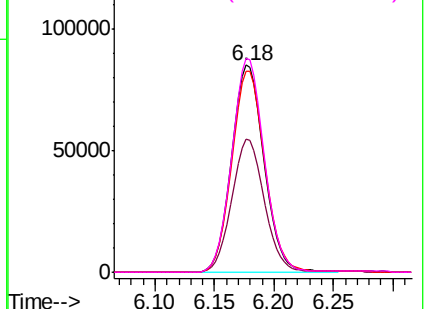
#34
 Trichloroethene
 Concen: 19.887 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02013

Tgt Ion: 95 Resp: 161994
 Ion Ratio Lower Upper
 95 100
 97 64.3 44.1 81.9
 132 97.1 68.8 127.8
 130 103.2 71.0 131.8

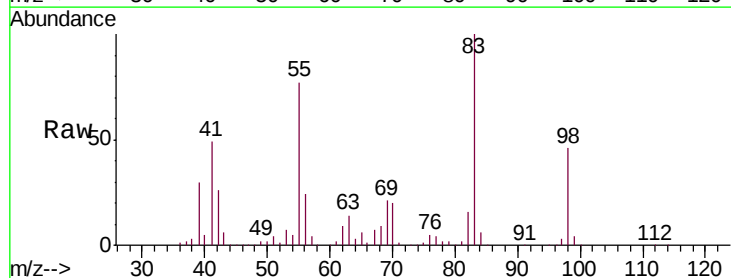


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

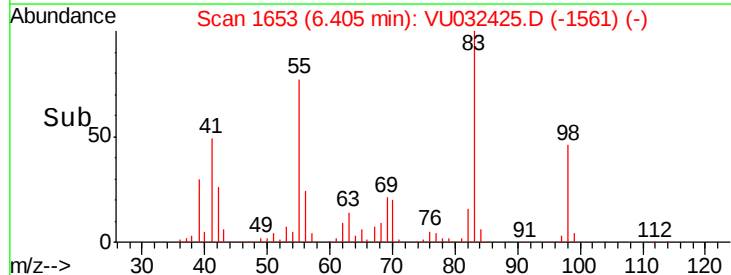
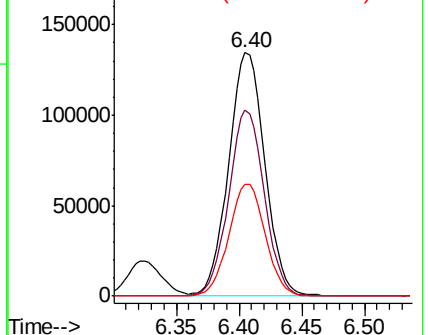


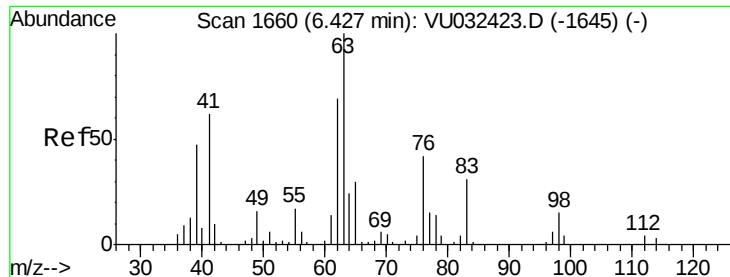
#35
 Methylcyclohexane
 Concen: 21.839 ug/L
 RT: 6.40 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

Tgt Ion: 83 Resp: 268251
 Ion Ratio Lower Upper
 83 100
 55 75.8 60.0 90.0
 98 46.5 37.8 56.8



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

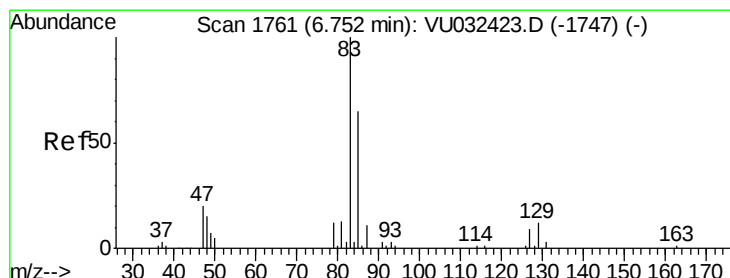
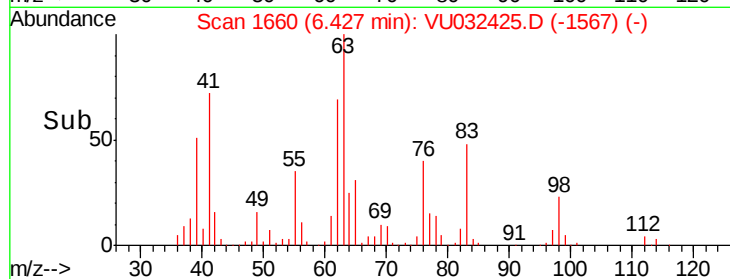
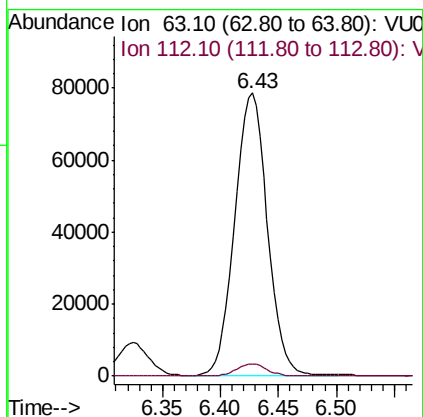
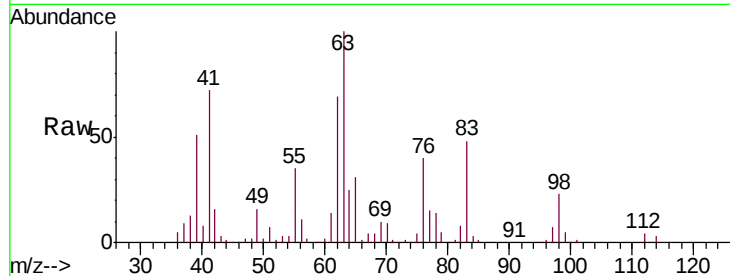




#37
 1,2-Dichloropropane
 Concen: 19.856 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

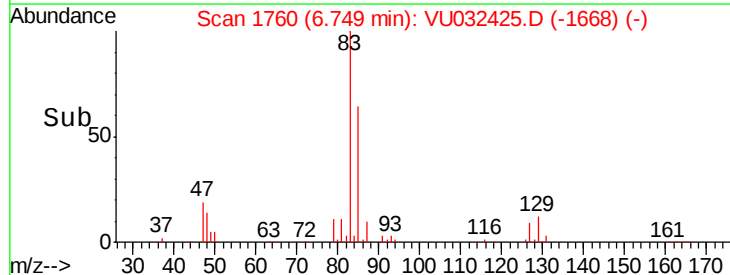
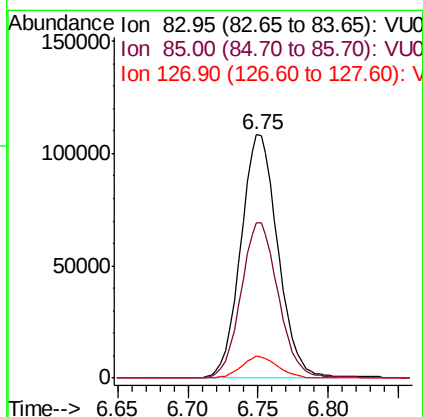
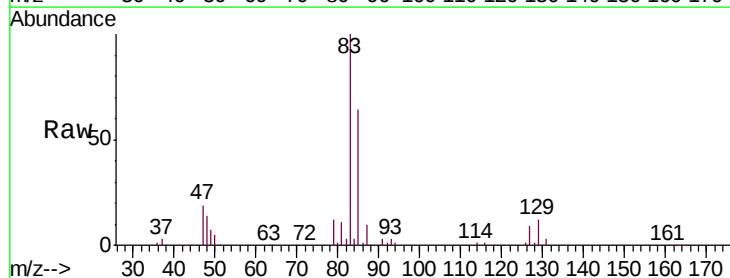
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02013

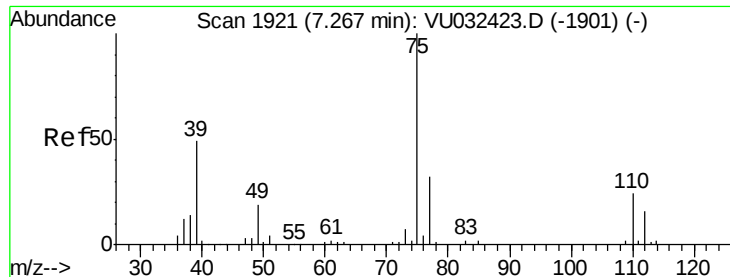
Tgt Ion: 63 Resp: 152829
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.9 4.3



#38
 Bromodichloromethane
 Concen: 21.479 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

Tgt Ion: 83 Resp: 199686
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.2 84.0
 127 9.0 7.4 11.2

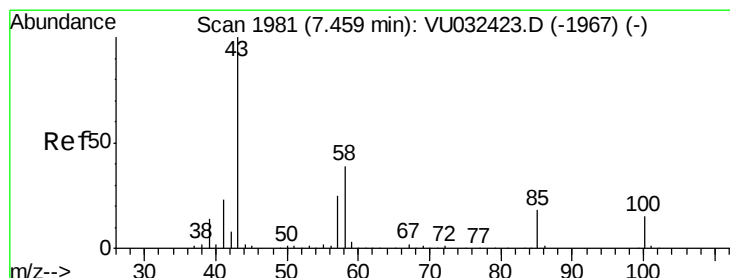
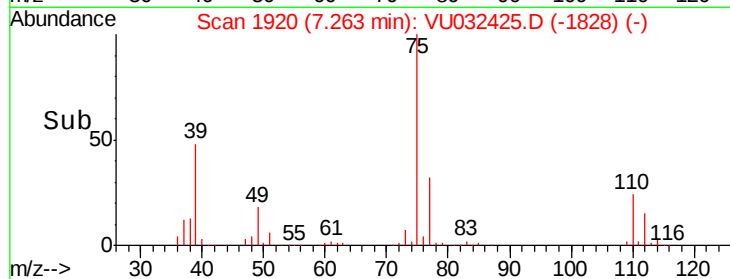
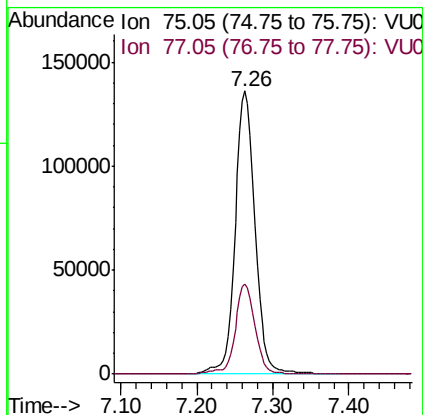
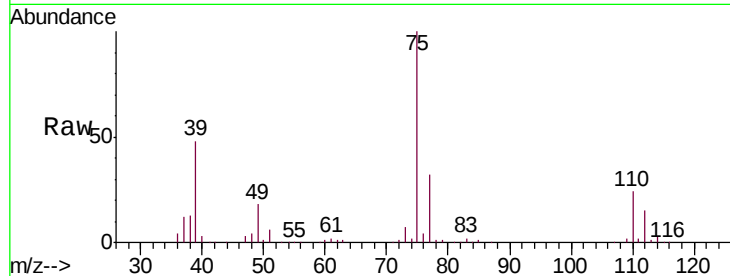




#39
 cis-1,3-Dichloropropene
 Concen: 22.273 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

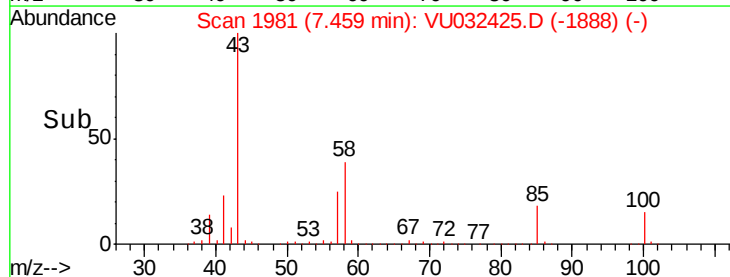
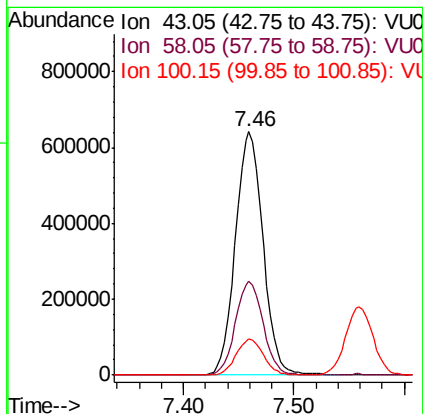
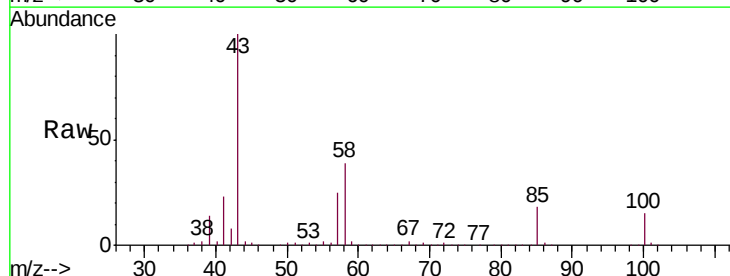
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02013

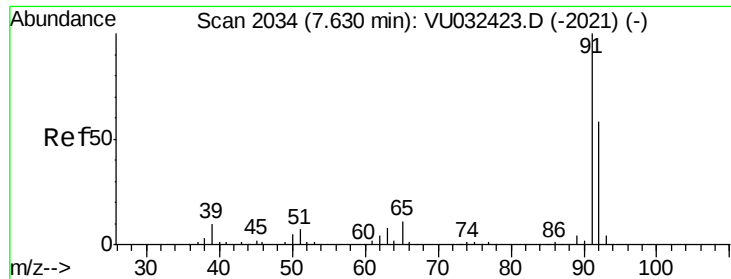
Tgt Ion: 75 Resp: 247263
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 217.428 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032425.D
 Acq: 04 Jun 2019 14:04

Tgt Ion: 43 Resp: 1115100
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 14.8 11.9 17.9





#42

Toluene

Concen: 20.617 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

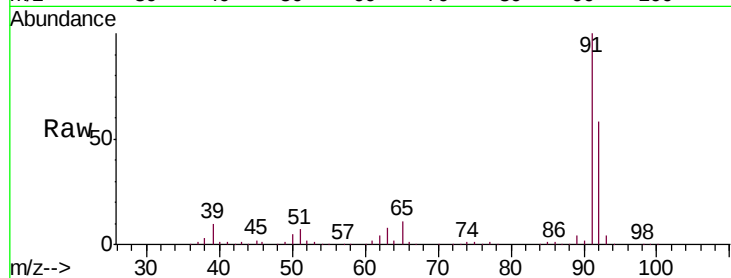
VSTD02013

Tgt Ion: 91 Resp: 654726

Ion Ratio Lower Upper

91 100

92 57.6 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU032423.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032423.D (-2021) (-)

7.63

400000

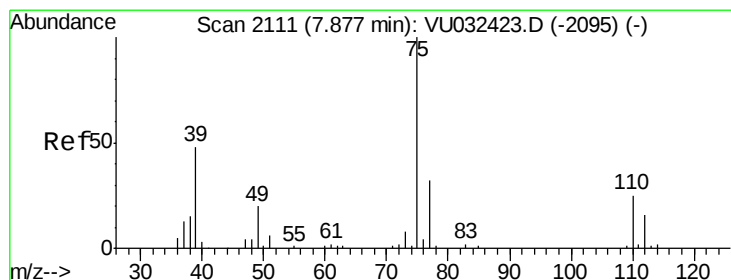
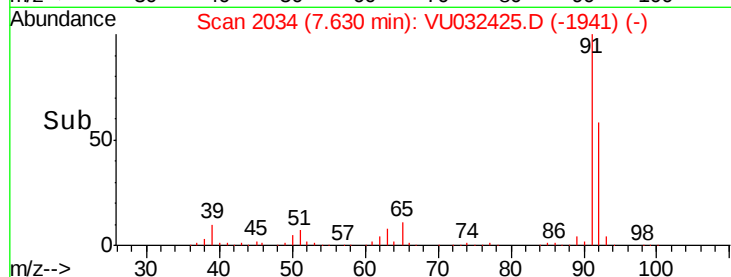
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 23.063 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032425.D

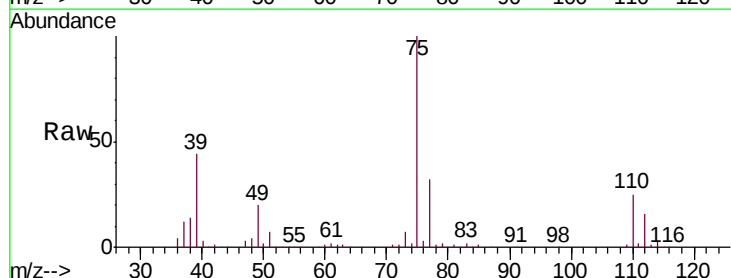
Acq: 04 Jun 2019 14:04

Tgt Ion: 75 Resp: 199356

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032423.D (-2095) (-)

Ion 77.05 (76.75 to 77.75): VU032423.D (-2095) (-)

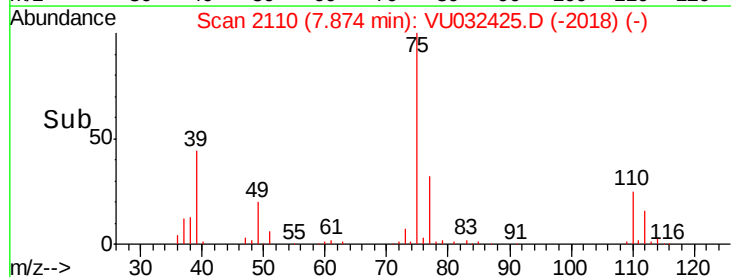
7.87

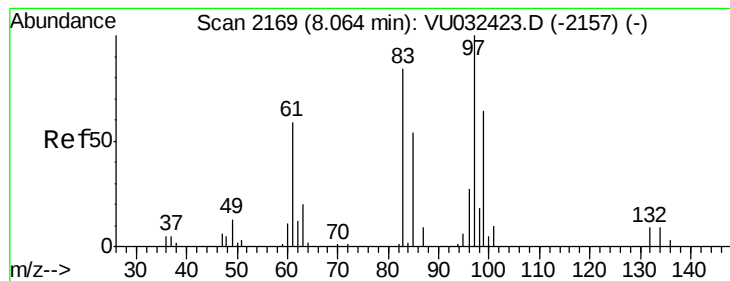
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 20.828 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD02013

Tgt Ion: 97 Resp: 111976

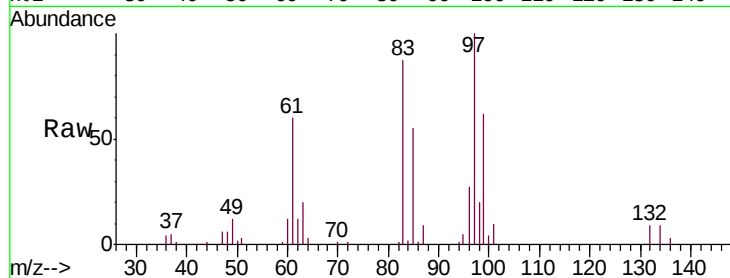
Ion Ratio Lower Upper

97 100

99 61.8 44.9 83.3

83 86.7 58.7 108.9

85 55.2 37.9 70.5

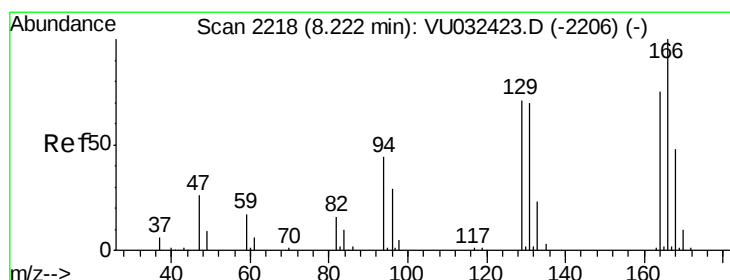
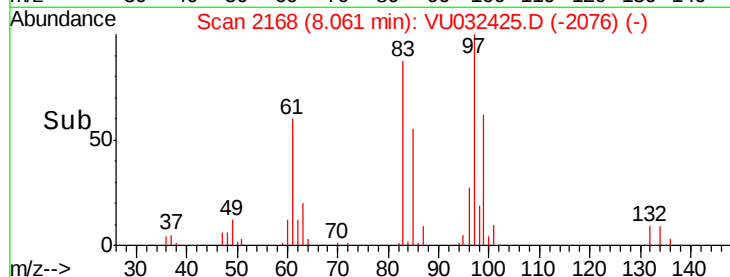
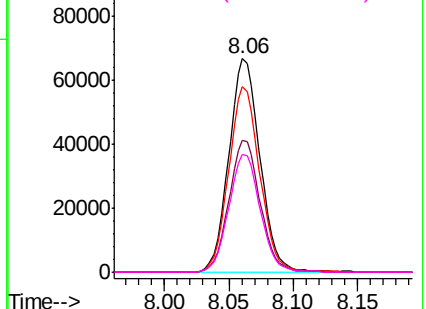


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 21.471 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Tgt Ion: 164 Resp: 133635

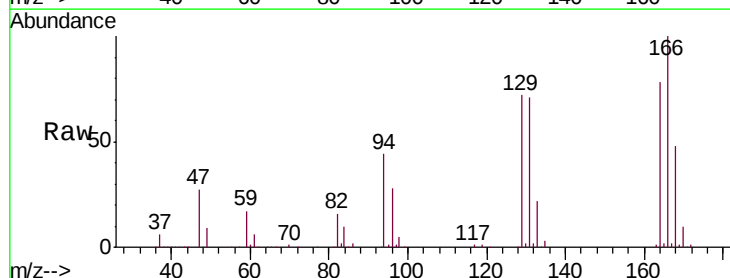
Ion Ratio Lower Upper

164 100

129 91.7 66.1 122.7

131 90.8 65.6 121.8

166 127.9 93.2 173.2

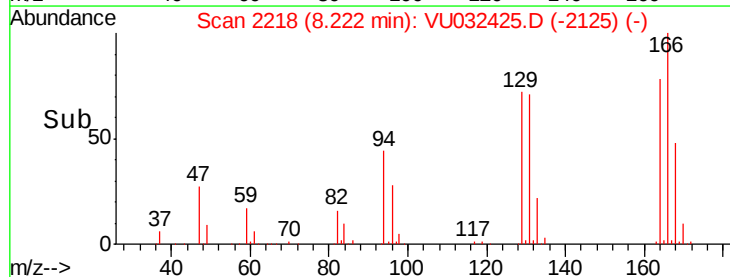
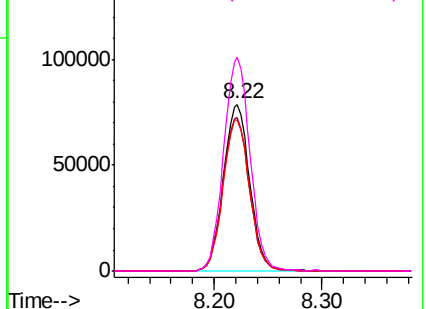


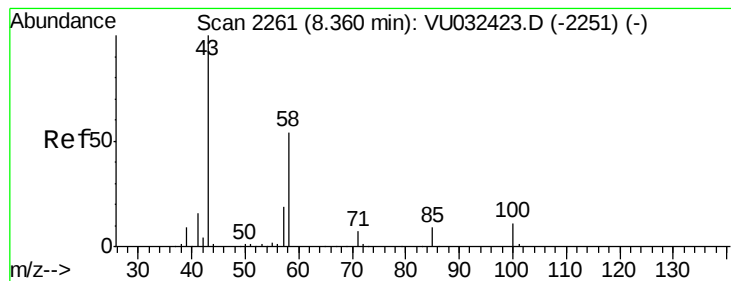
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 225.084 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD02013

Tgt Ion: 43 Resp: 804588

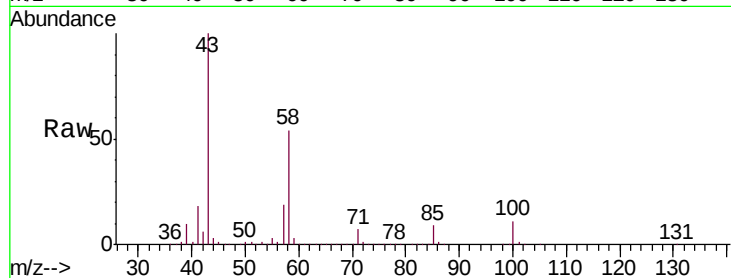
Ion Ratio Lower Upper

43 100

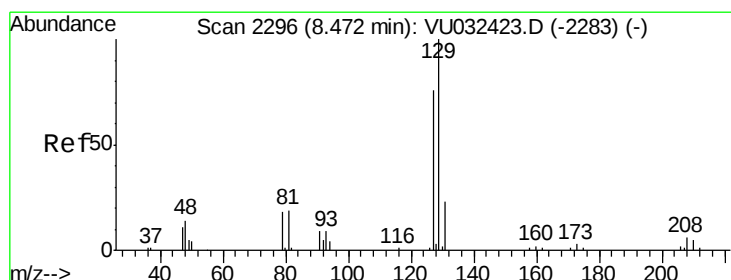
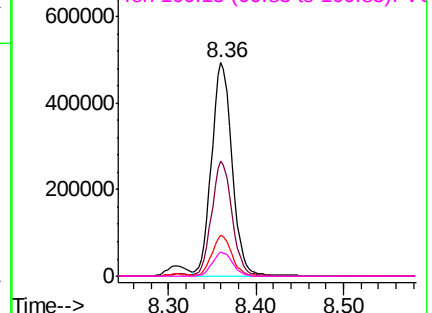
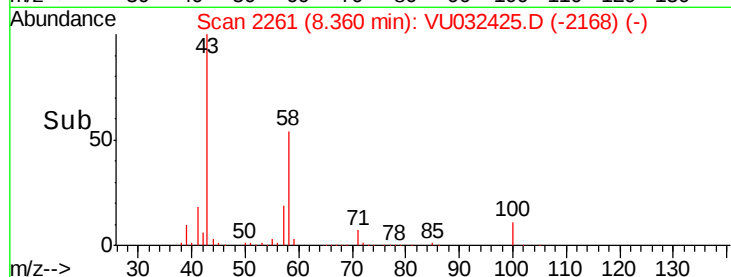
58 53.6 41.9 62.9

57 18.7 15.1 22.7

100 11.3 9.0 13.6



Abundance Ion 43.05 (42.75 to 43.75): VU032425.D (-2168) (-)



#49

Dibromochloromethane

Concen: 22.670 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU032425.D

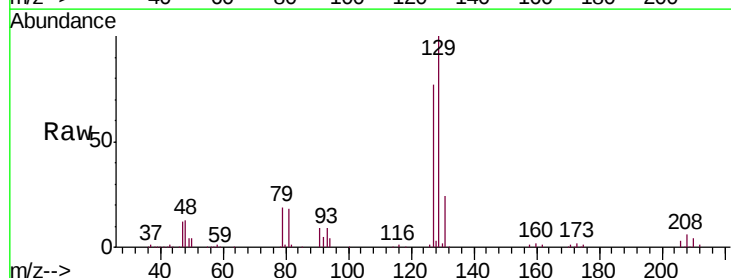
Acq: 04 Jun 2019 14:04

Tgt Ion: 129 Resp: 147374

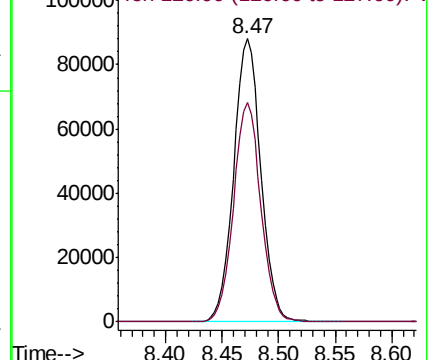
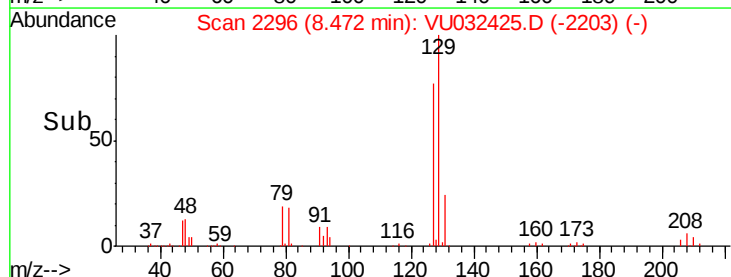
Ion Ratio Lower Upper

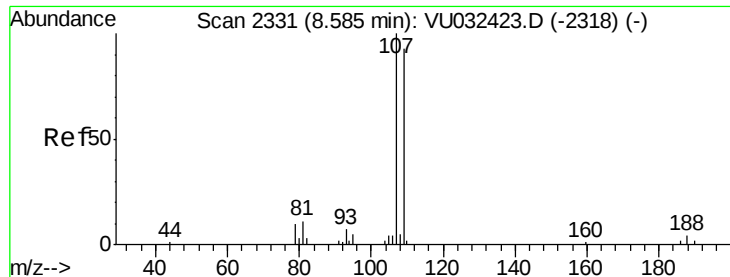
129 100

127 77.3 53.3 98.9



Abundance Ion 128.95 (128.65 to 129.65): VU032425.D (-2203) (-)

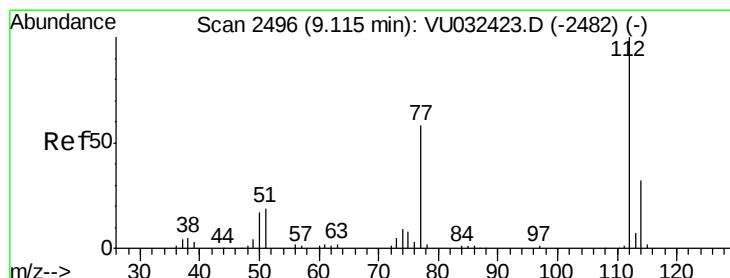
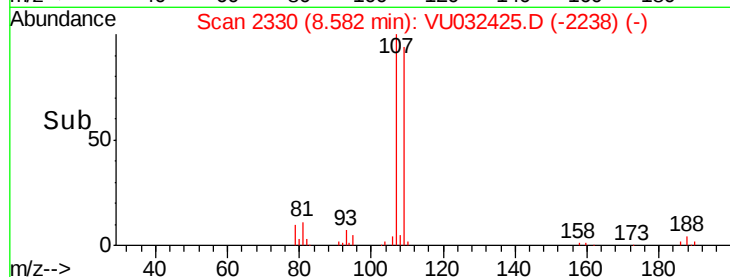
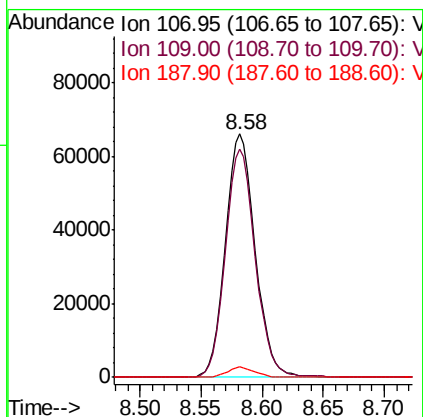
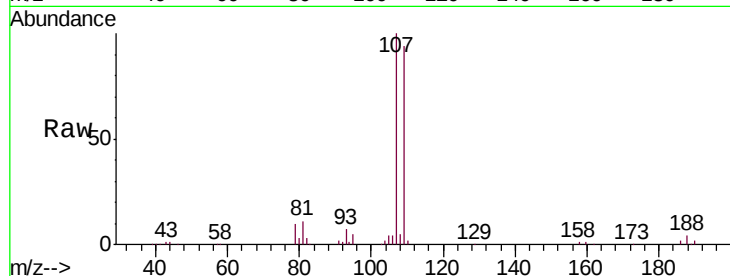




#50
1,2-Dibromoethane
Concen: 21.672 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU032425.D
Acq: 04 Jun 2019 14:04

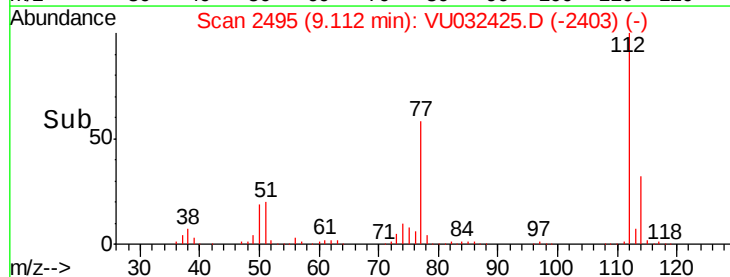
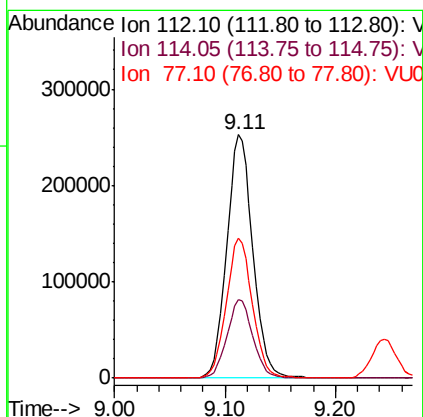
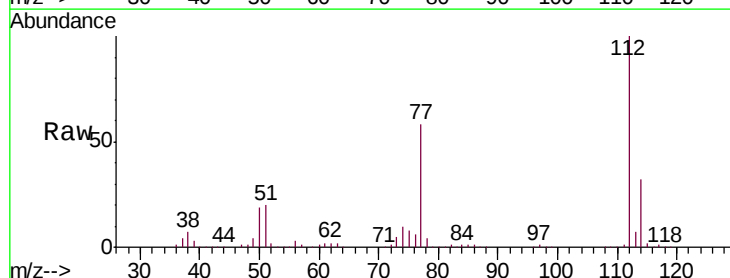
Instrument :
MSVOA_U
ClientSampleId :
VSTD02013

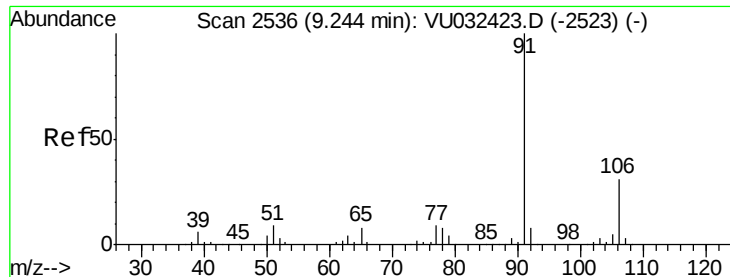
Tgt Ion:107 Resp: 112960
Ion Ratio Lower Upper
107 100
109 94.0 65.2 121.0
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 21.033 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032425.D
Acq: 04 Jun 2019 14:04

Tgt Ion:112 Resp: 413607
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 57.6 46.5 69.7





#52

Ethylbenzene

Concen: 21.646 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

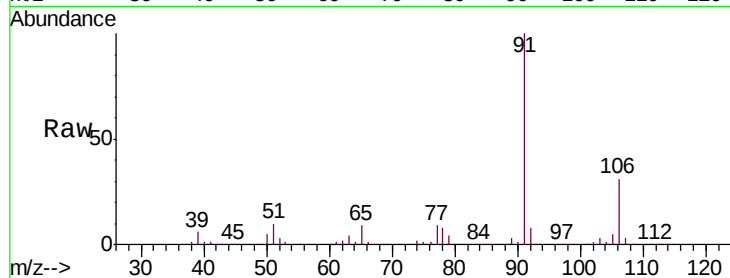
VSTD02013

Tgt Ion: 91 Resp: 734508

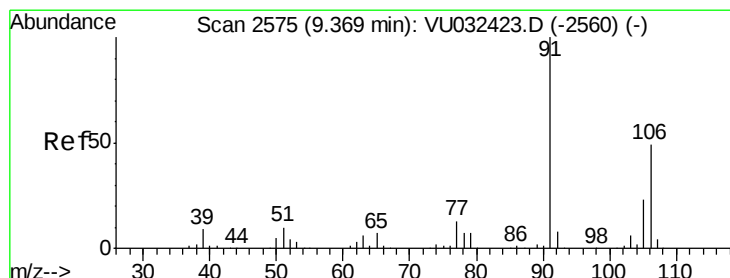
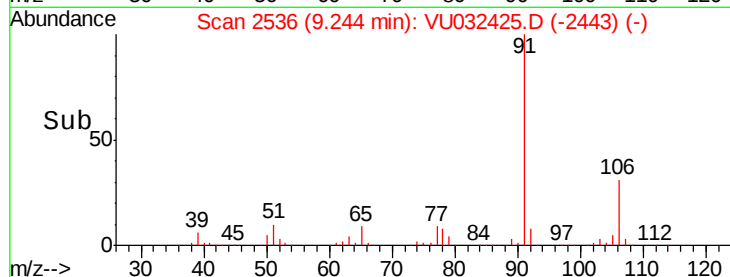
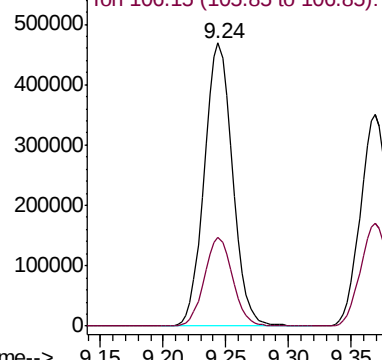
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VU032425.D (-2523) (-)



#53

m,p-Xylene

Concen: 21.732 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032425.D

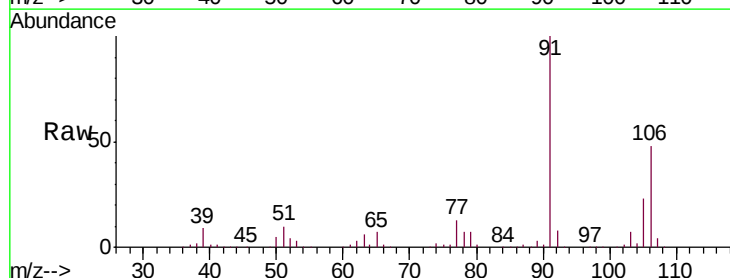
Acq: 04 Jun 2019 14:04

Tgt Ion: 106 Resp: 279019

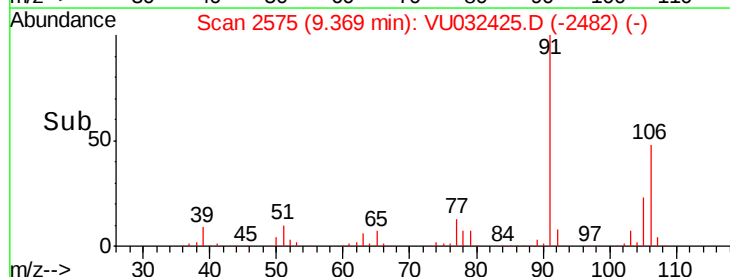
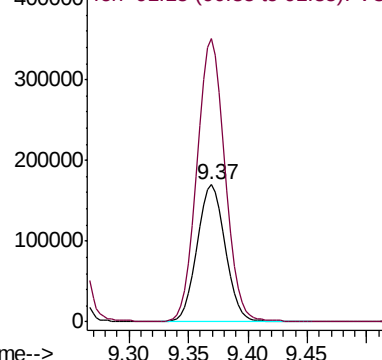
Ion Ratio Lower Upper

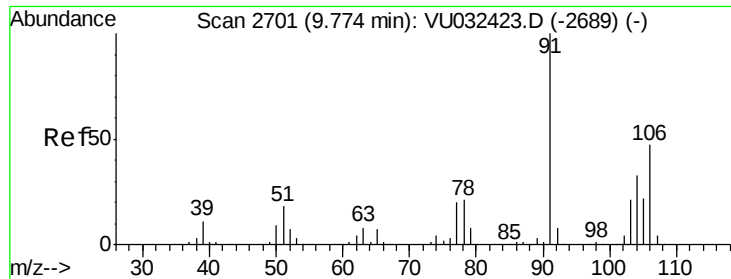
106 100

91 206.5 142.4 264.4



Abundance Ion 106.15 (105.85 to 106.85): VU032425.D (-2560) (-)

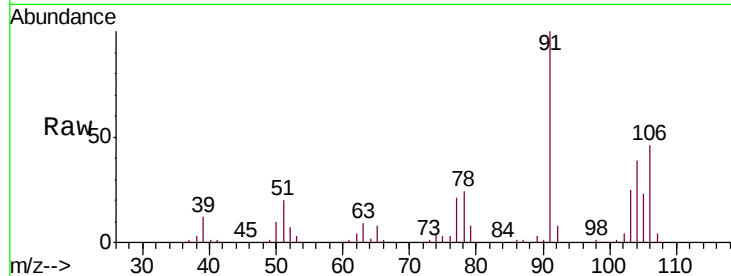




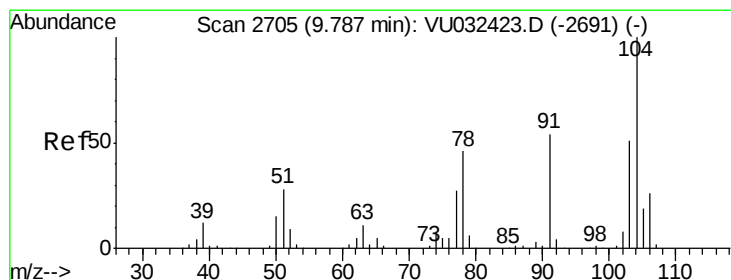
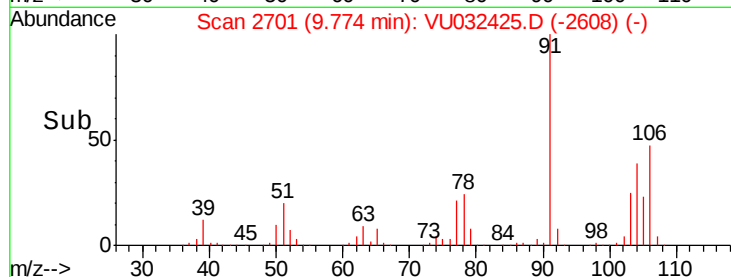
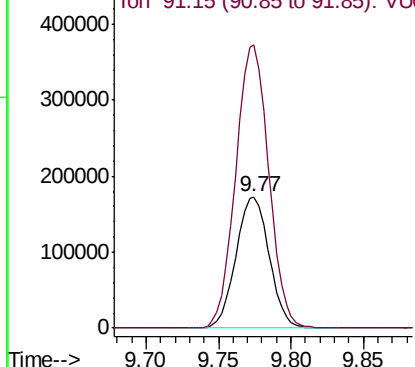
#54
o-Xylene
Concen: 22.026 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU032425.D
Acq: 04 Jun 2019 14:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD02013

Tgt Ion:106 Resp: 275469
Ion Ratio Lower Upper
106 100
91 215.1 148.8 276.4

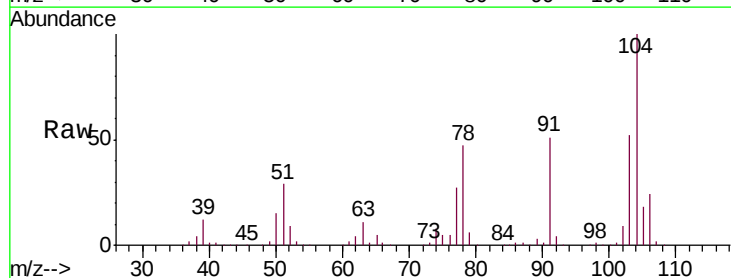


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

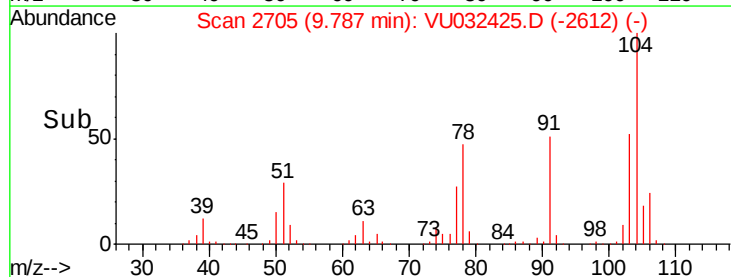
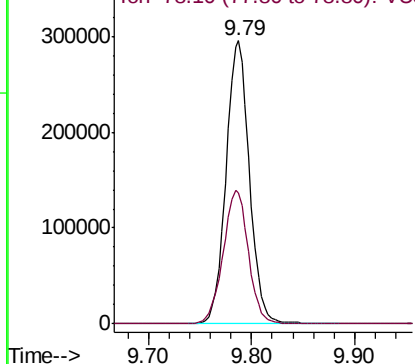


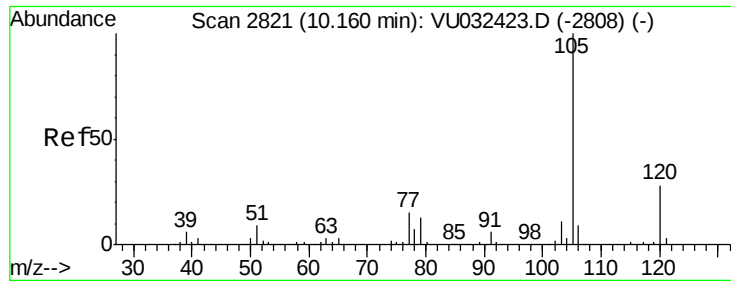
#55
Styrene
Concen: 22.329 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU032425.D
Acq: 04 Jun 2019 14:04

Tgt Ion:104 Resp: 466580
Ion Ratio Lower Upper
104 100
78 46.5 32.2 59.8



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





#56

Isopropylbenzene

Concen: 22.378 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD02013

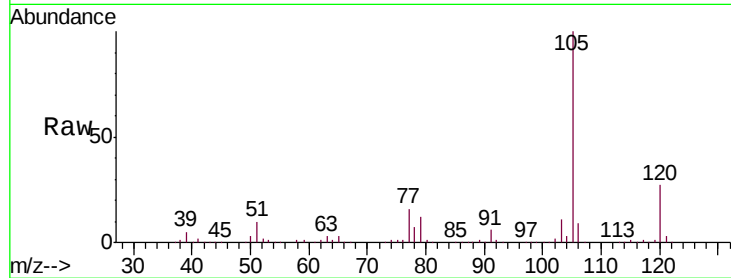
Tgt Ion:105 Resp: 733519

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

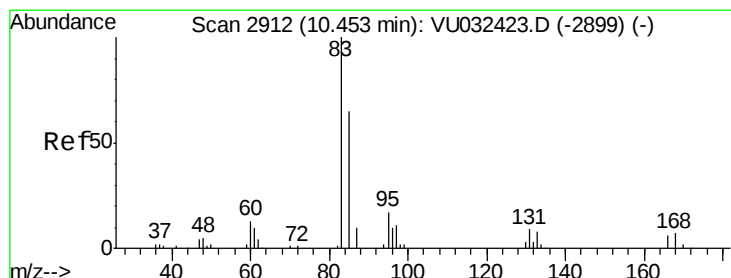
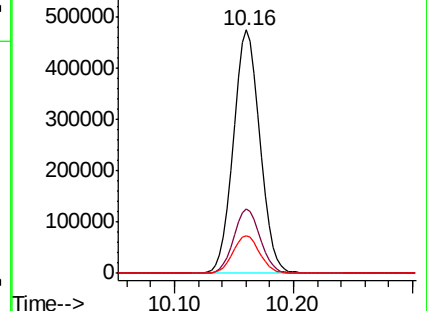
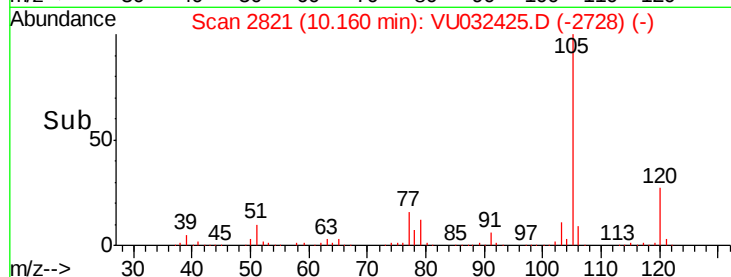
77 15.6 12.3 18.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.278 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

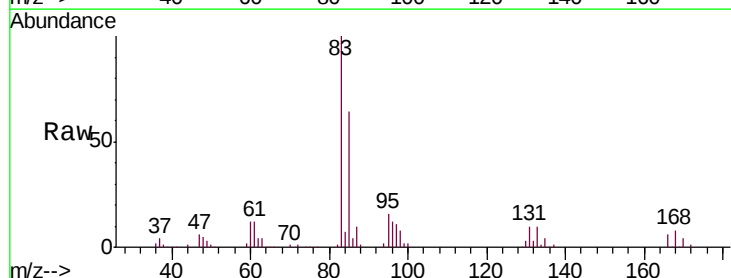
Tgt Ion: 83 Resp: 144624

Ion Ratio Lower Upper

83 100

85 64.4 45.7 84.9

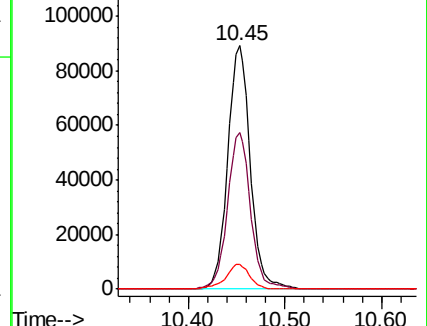
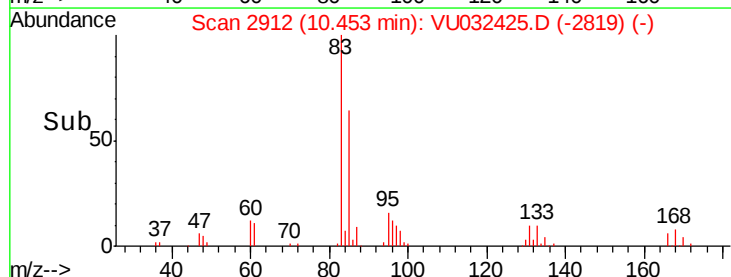
131 10.1 8.0 12.0

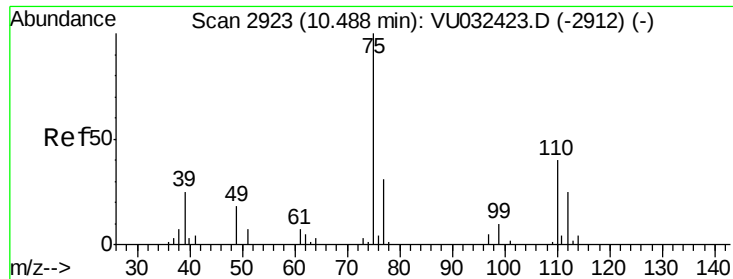


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.145 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

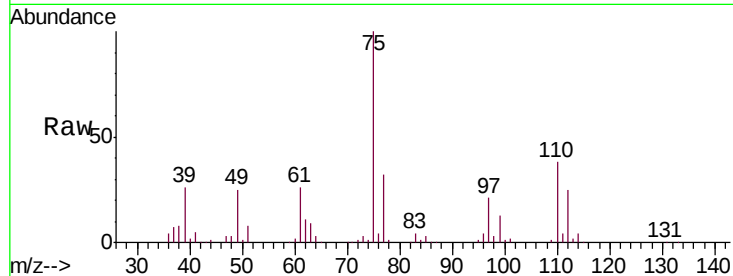
VSTD02013

Tgt Ion: 75 Resp: 101287

Ion Ratio Lower Upper

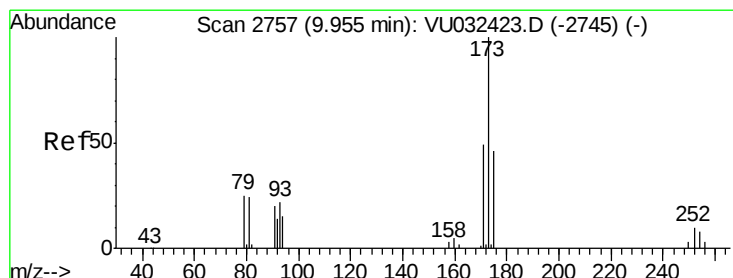
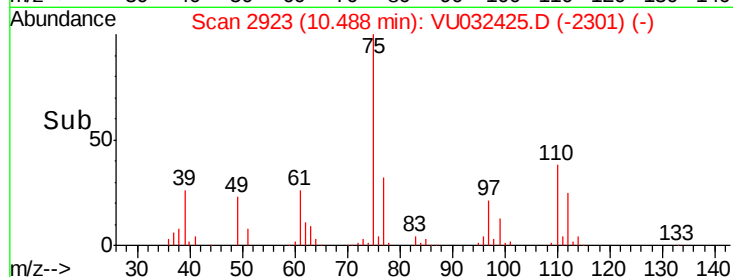
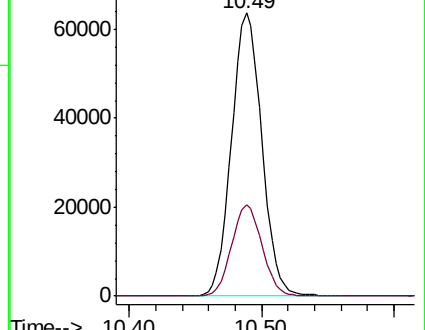
75 100

77 32.4 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU032423.D (-2912) (-)

Ion 77.00 (76.70 to 77.70): VU032423.D (-2912) (-)



#61

Bromoform

Concen: 21.613 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

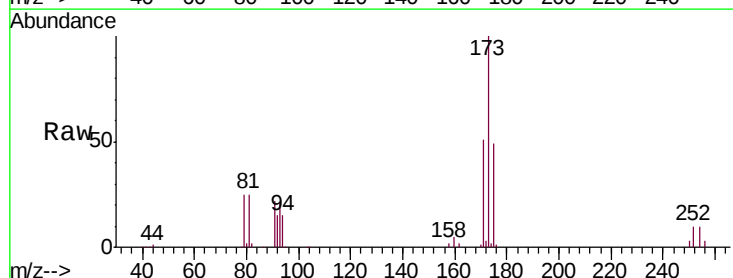
Tgt Ion: 173 Resp: 89906

Ion Ratio Lower Upper

173 100

175 48.4 37.9 56.9

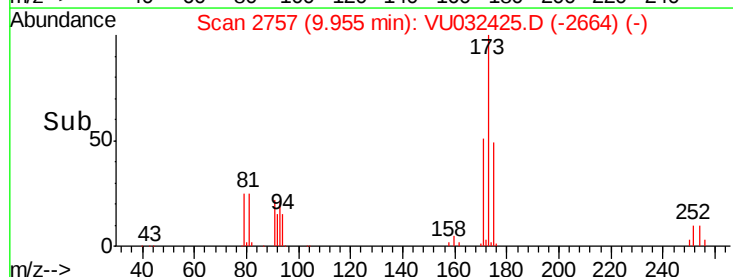
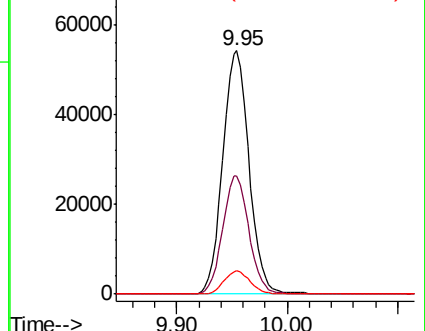
254 9.3 6.8 10.2

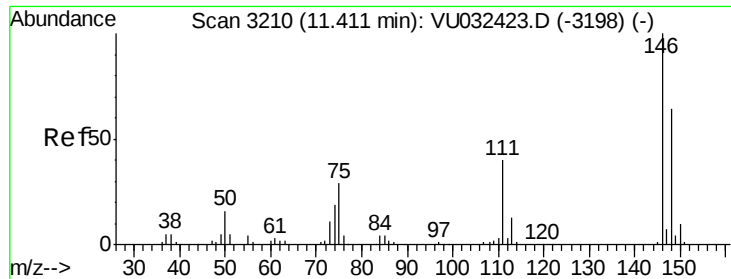


Abundance Ion 172.90 (172.60 to 173.60): VU032423.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU032423.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU032423.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 21.318 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD02013

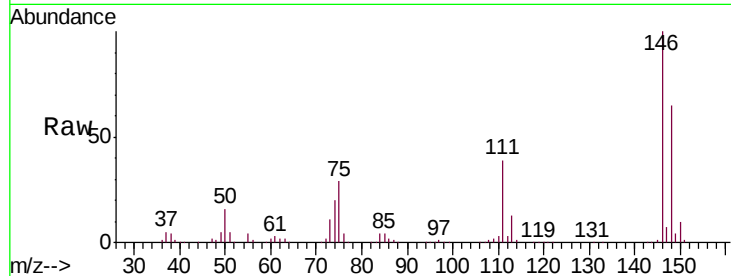
Tgt Ion:146 Resp: 344851

Ion Ratio Lower Upper

146 100

111 39.1 27.7 51.5

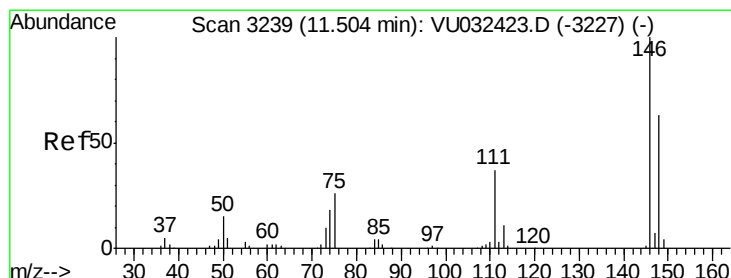
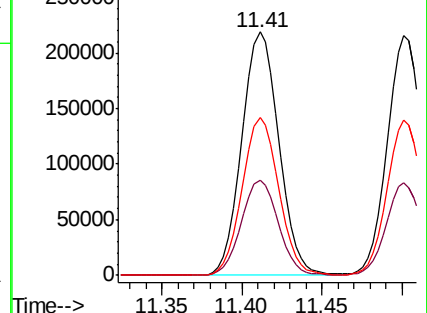
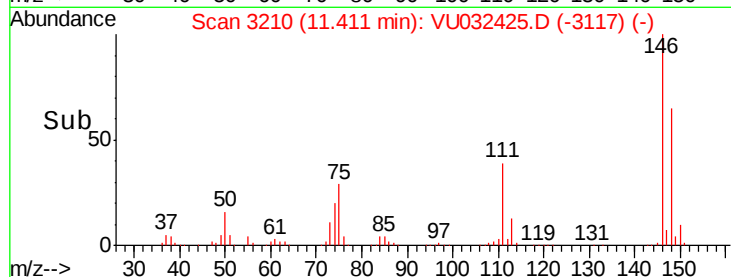
148 64.6 44.7 83.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 20.658 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032425.D

Acq: 04 Jun 2019 14:04

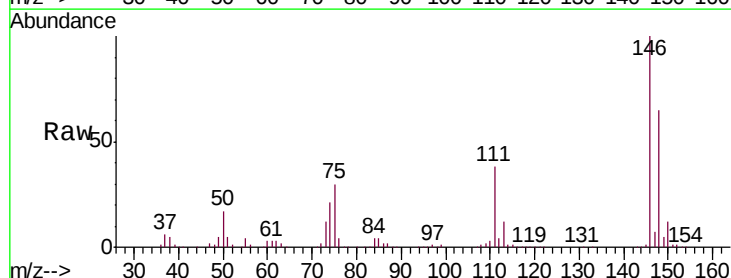
Tgt Ion:146 Resp: 338319

Ion Ratio Lower Upper

146 100

111 38.5 26.2 48.6

148 64.6 43.9 81.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

