

Data File : VU032595.D
Acq On : 11 Jun 2019 09:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: Jun 12 05:30:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	181193	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	169983	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90957	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60064	51.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.18%
7) Chloroethane-d5	1.67	69	47879	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.36%
11) 1,1-Dichloroethene-d2	2.27	63	120927	52.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.08%
21) 2-Butanone-d5	4.17	46	102692	104.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.39%
24) Chloroform-d	4.64	84	114701	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.64%
26) 1,2-Dichloroethane-d4	5.30	65	72512	52.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.00%
32) Benzene-d6	5.33	84	226958	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
36) 1,2-Dichloropropane-d6	6.32	67	71040	51.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.68%
41) Toluene-d8	7.56	98	211889	50.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.28%
43) trans-1,3-Dichloropropene-	7.85	79	35221	53.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.38%
47) 2-Hexanone-d5	8.31	63	64346	95.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	101287	50.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.04%
64) 1,2-Dichlorobenzene-d4	11.85	152	88282	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	82043	50.225	ug/L 100
3) Chloromethane	1.32	50	73274	46.422	ug/L 99
5) Vinyl chloride	1.40	62	75380	47.808	ug/L 98
6) Bromomethane	1.62	94	37707	40.130	ug/L 99
8) Chloroethane	1.69	64	44983	47.996	ug/L 100
9) Trichlorofluoromethane	1.88	101	109477	51.420	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	58741	53.049	ug/L 99
12) 1,1-Dichloroethene	2.28	96	54351	50.552	ug/L 99
13) Acetone	2.32	43	105443	103.877	ug/L 99
14) Carbon disulfide	2.47	76	163787	50.138	ug/L 100
15) Methyl Acetate	2.61	43	76292	52.641	ug/L 99
16) Methylene chloride	2.69	84	63552	51.803	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	60208	51.677	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	196104	51.234	ug/L 99
19) 1,1-Dichloroethane	3.44	63	110897	52.213	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	67269	51.017	ug/L 98
22) 2-Butanone	4.25	43	125224	104.379	ug/L 99

Data File : VU032595.D
Acq On : 11 Jun 2019 09:24
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: Jun 12 05:30:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	34565	50.417	ug/L	96
25) Chloroform	4.67	83	115206	52.563	ug/L	96
27) 1,2-Dichloroethane	5.40	62	91606	52.869	ug/L	98
29) Cyclohexane	4.99	56	101747	50.324	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	100929	52.450	ug/L	99
31) Carbon tetrachloride	5.13	117	93295	52.899	ug/L	100
33) Benzene	5.38	78	244803	51.257	ug/L	100
34) Trichloroethene	6.18	95	66966	51.537	ug/L	98
35) Methylcyclohexane	6.41	83	107566	51.136	ug/L	100
37) 1,2-Dichloropropane	6.42	63	66626	52.625	ug/L	100
38) Bromodichloromethane	6.75	83	87264	53.530	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	104889	52.509	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	208901	102.565	ug/L	99
42) Toluene	7.63	91	265756	50.809	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	93215	52.575	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	62613	52.298	ug/L	100
46) Tetrachloroethene	8.22	164	56069	52.246	ug/L	99
48) 2-Hexanone	8.36	43	173734	103.852	ug/L	99
49) Dibromochloromethane	8.47	129	75188	54.031	ug/L	98
50) 1,2-Dibromoethane	8.58	107	69255	51.392	ug/L	98
51) Chlorobenzene	9.11	112	173196	51.396	ug/L	99
52) Ethylbenzene	9.24	91	295309	50.652	ug/L	99
53) m,p-Xylene	9.37	106	112080	50.556	ug/L	100
54) o-xylene	9.77	106	111535	50.671	ug/L	99
55) Styrene	9.79	104	188750	51.365	ug/L	99
56) Isopropylbenzene	10.16	105	295388	50.892	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	104791	51.212	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	83321	50.626	ug/L	99
61) Bromoform	9.95	173	58299	53.759	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	141354	51.367	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	143336	50.949	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	143241	51.486	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	26049	55.650	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	118495	55.346	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	105495	58.163	ug/L	99
69) Naphthalene	13.74	128	318422	55.657	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	108852	57.665	ug/L	100

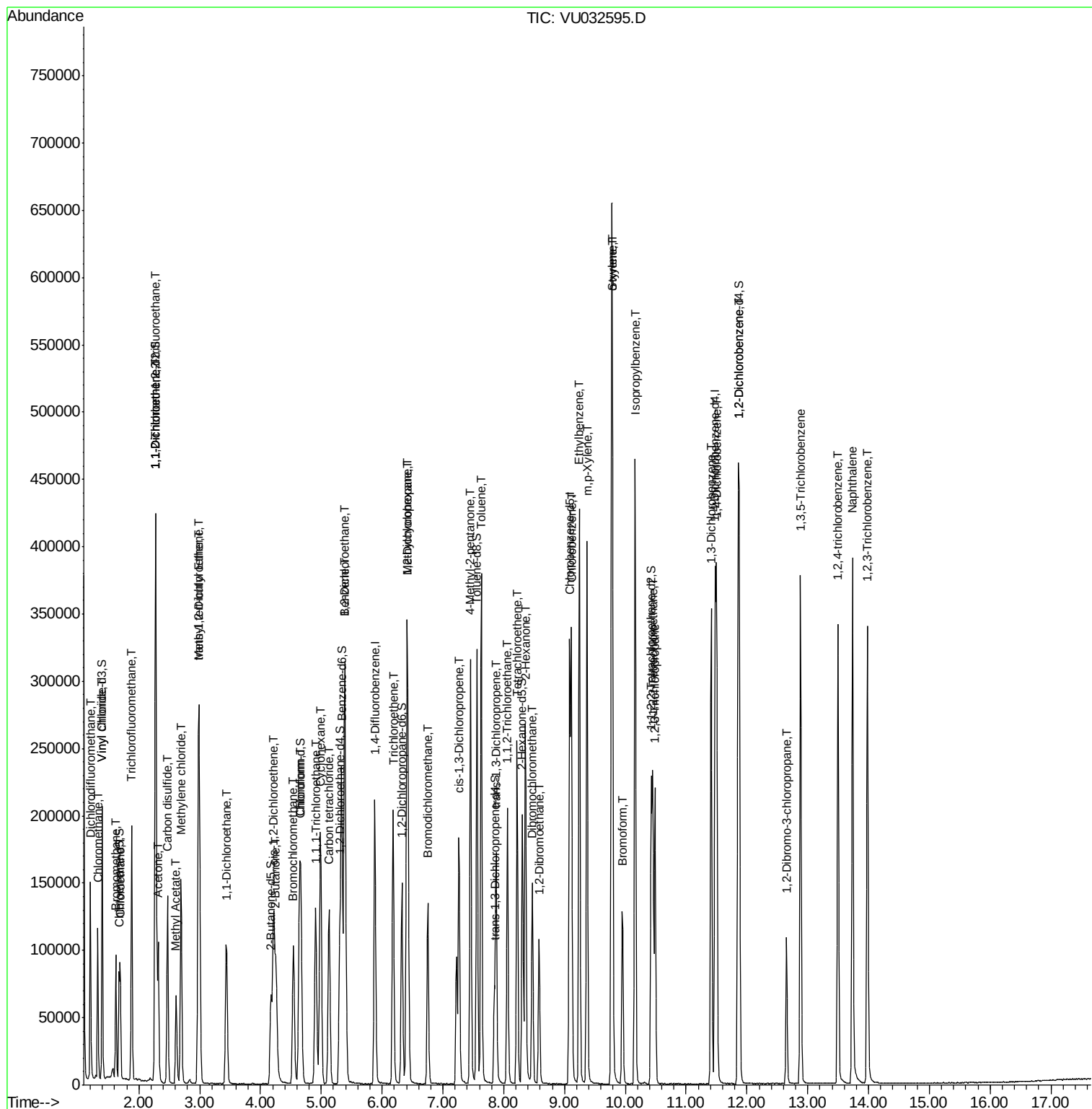
(#) = qualifier out of range (m) = manual integration (+) = signals summed

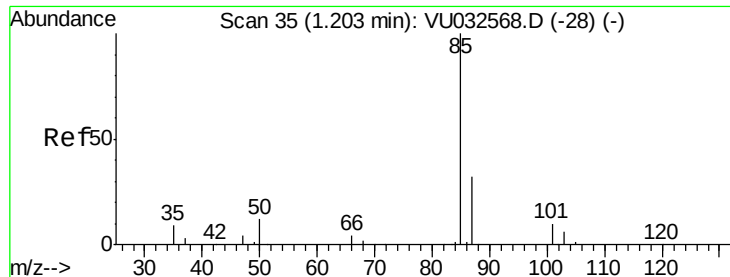
Data File : VU032595.D

```
Acq On       : 11 Jun 2019   09:24
Operator    : JC/SP
Sample      : VSTDCCC050
Misc        : 5.0mL/MSVOA_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Quant Time: Jun 12 05:30:54 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 50.225 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

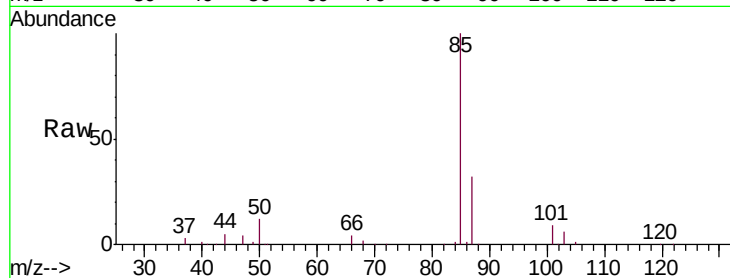
VSTD05043

Tgt Ion: 85 Resp: 82043

Ion Ratio Lower Upper

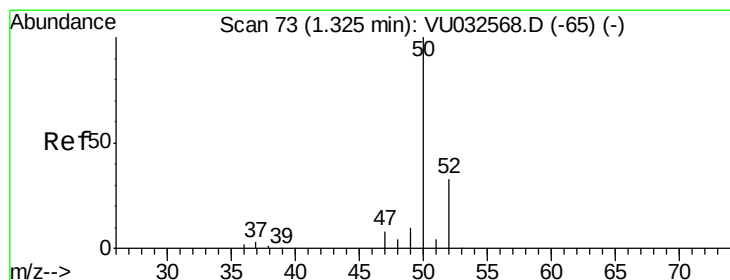
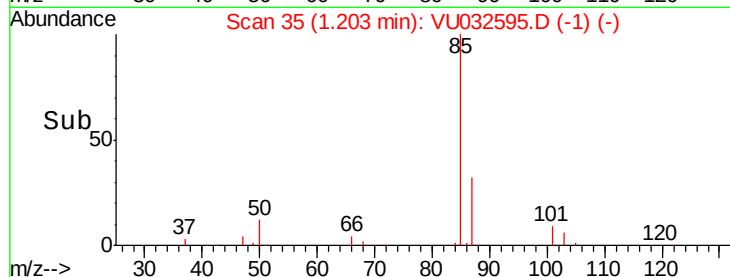
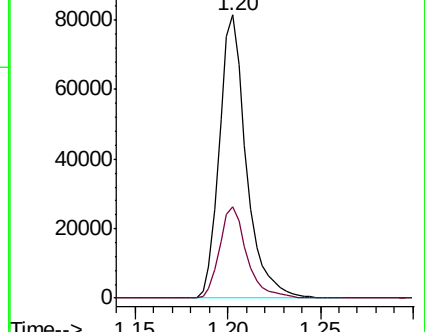
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032568.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032568.D (-28) (-)



#3

Chloromethane

Concen: 46.422 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU032595.D

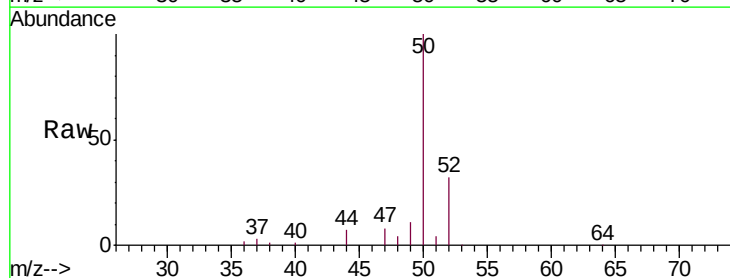
Acq: 11 Jun 2019 09:24

Tgt Ion: 50 Resp: 73274

Ion Ratio Lower Upper

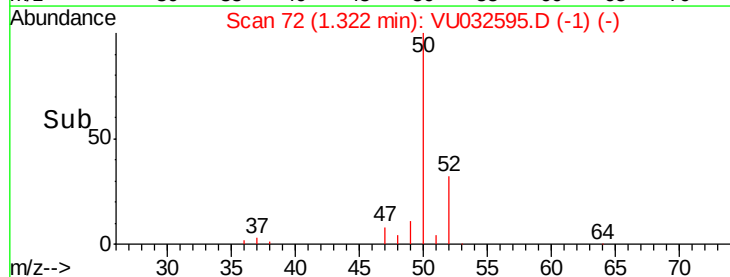
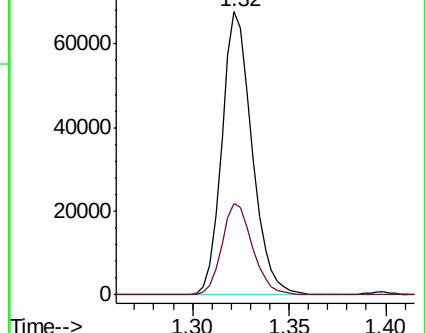
50 100

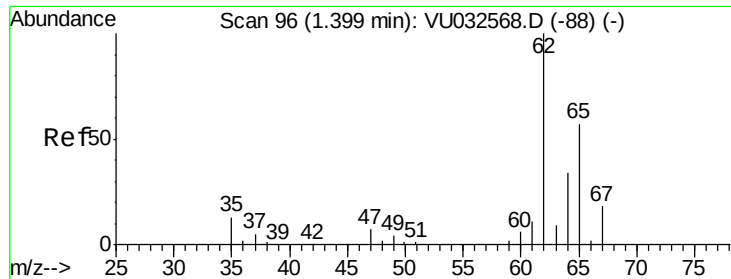
52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032568.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032568.D (-65) (-)





#5

Vinyl chloride

Concen: 47.808 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

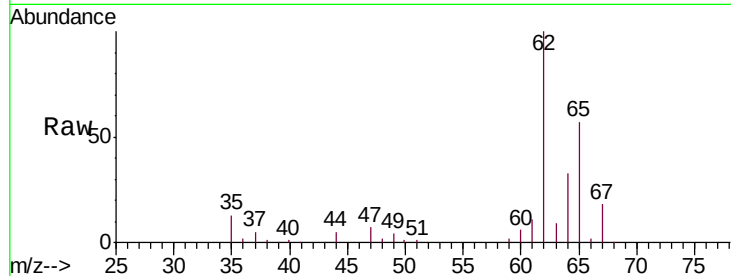
VSTD05043

Tgt Ion: 62 Resp: 75380

Ion Ratio Lower Upper

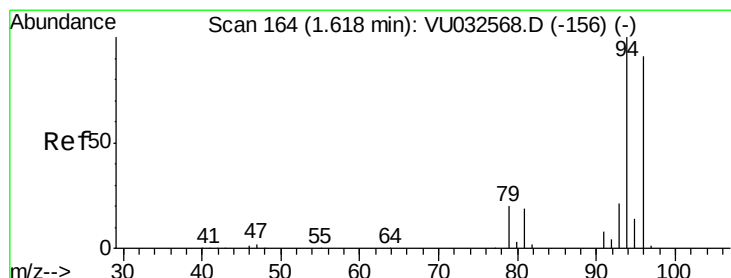
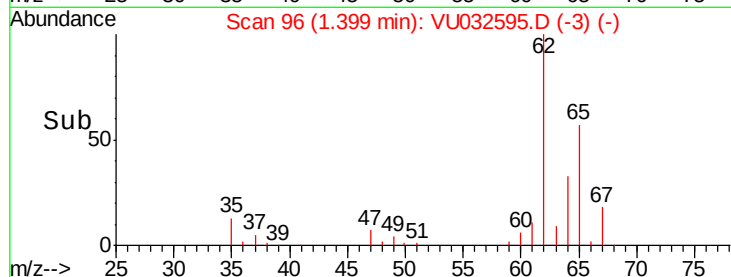
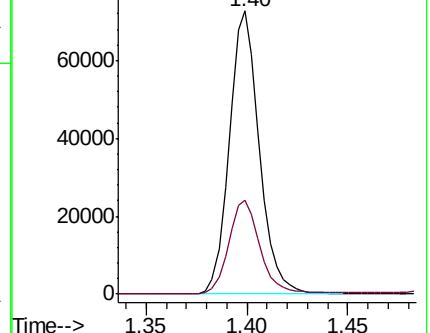
62 100

64 33.4 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032568.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032568.D (-88) (-)



#6

Bromomethane

Concen: 40.130 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU032595.D

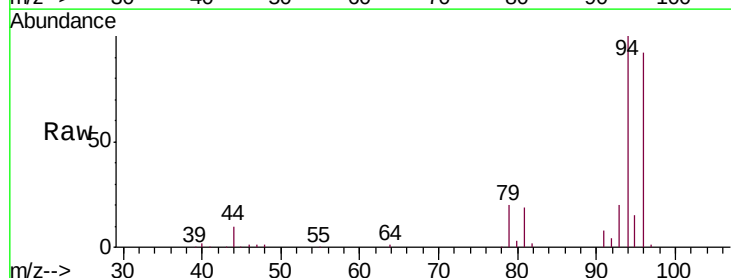
Acq: 11 Jun 2019 09:24

Tgt Ion: 94 Resp: 37707

Ion Ratio Lower Upper

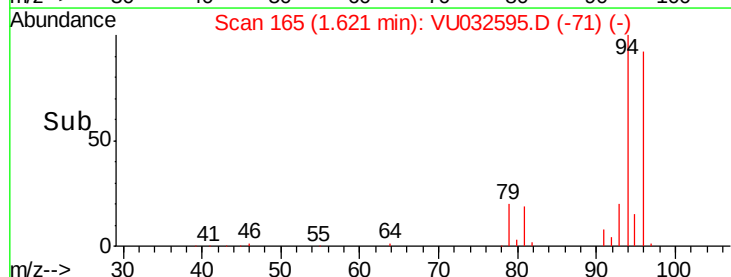
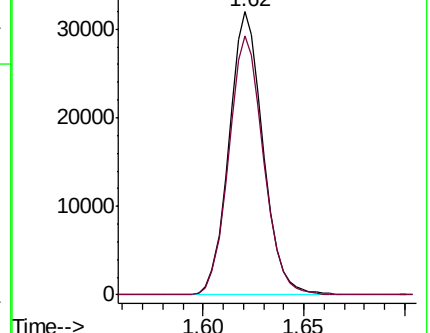
94 100

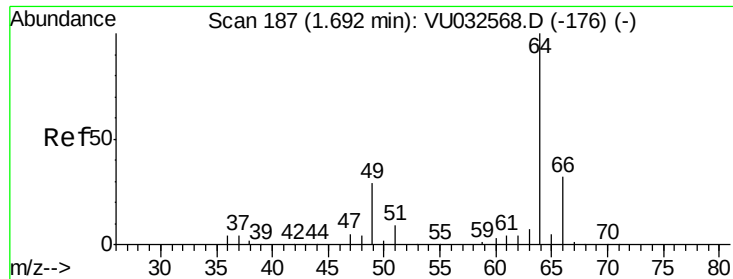
96 91.7 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032568.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032568.D (-156) (-)

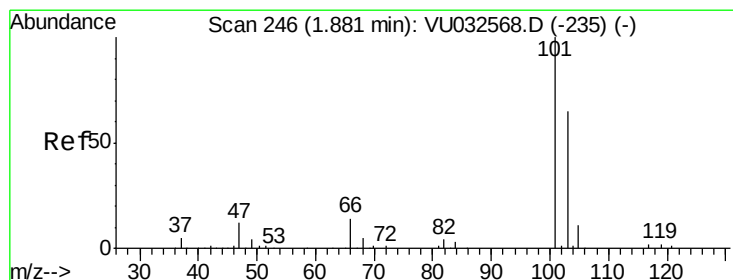
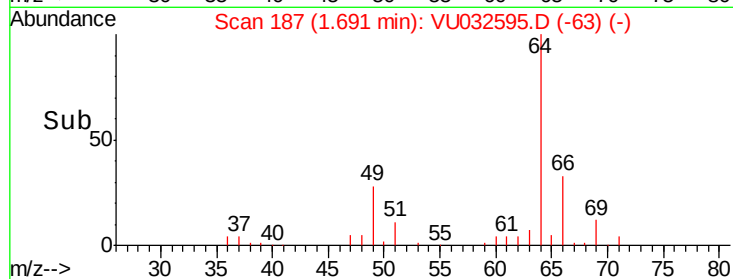
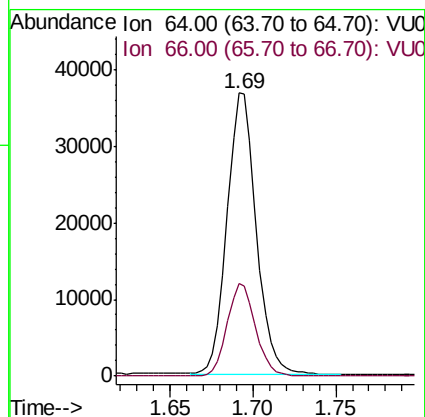
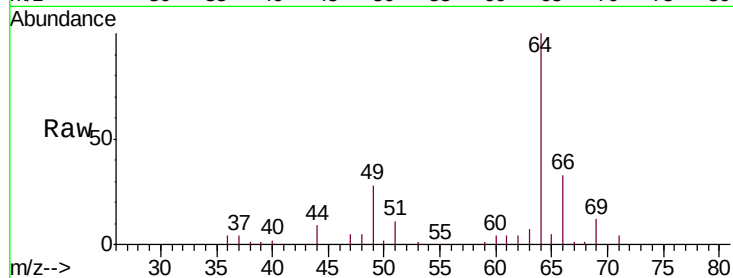




#8
Chloroethane
Concen: 47.996 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

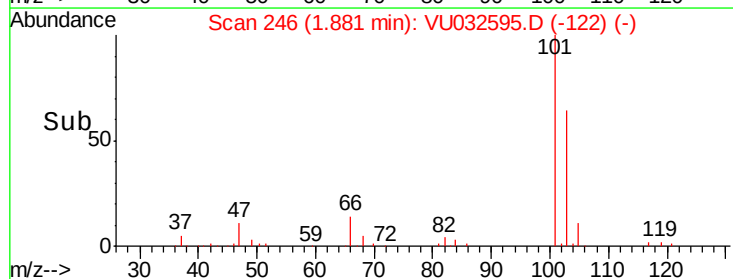
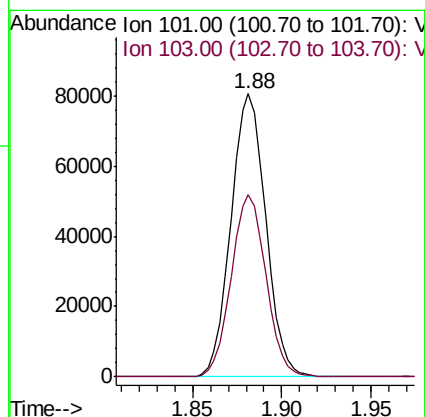
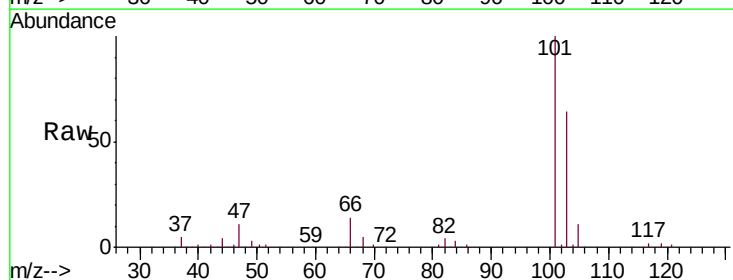
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

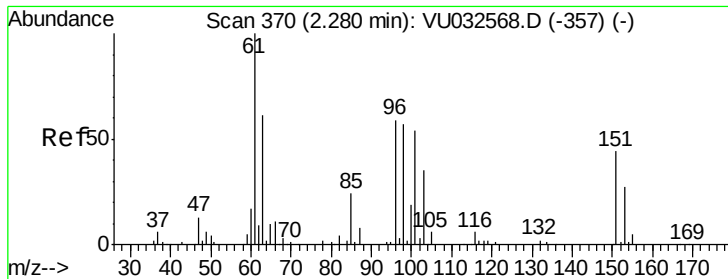
Tgt Ion: 64 Resp: 44983
Ion Ratio Lower Upper
64 100
66 32.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 51.420 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

Tgt Ion: 101 Resp: 109477
Ion Ratio Lower Upper
101 100
103 64.3 52.5 78.7





#10

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

Concen: 53.049 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

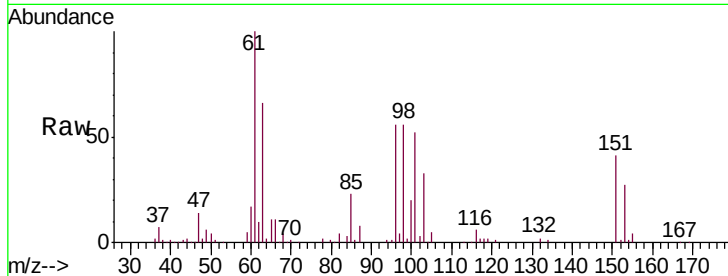
Tgt Ion:101 Resp: 58741

Ion Ratio Lower Upper

101 100

85 45.4 36.1 54.1

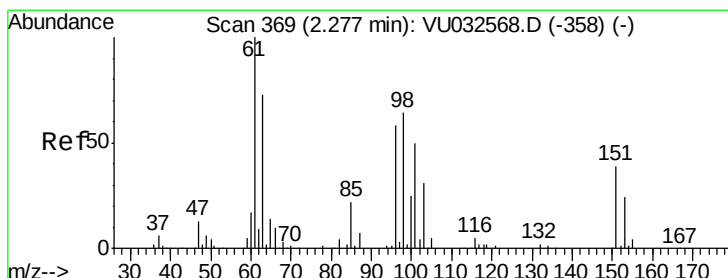
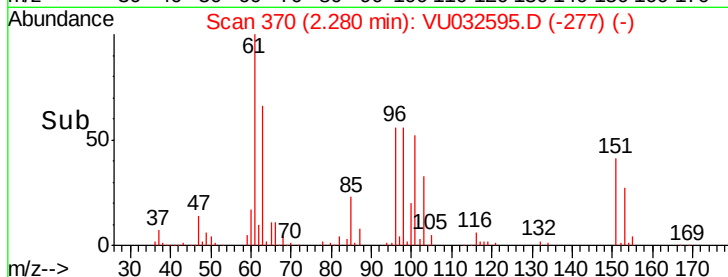
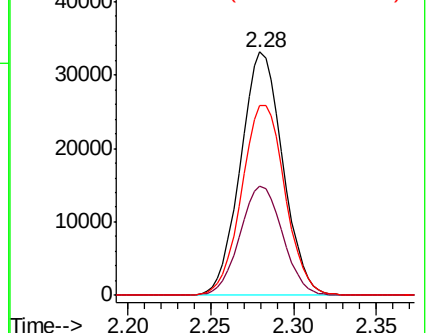
151 80.2 63.0 94.4



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: 50.552 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

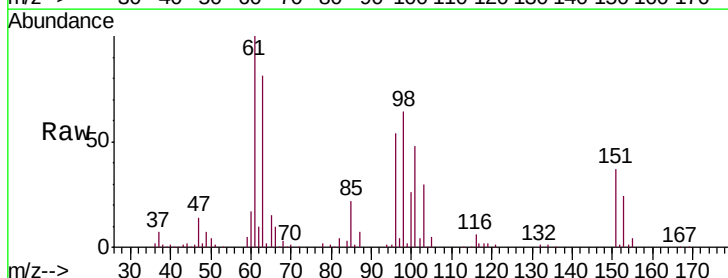
Tgt Ion: 96 Resp: 54351

Ion Ratio Lower Upper

96 100

61 184.7 129.5 240.5

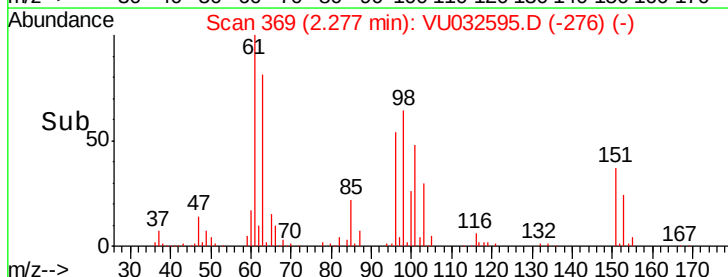
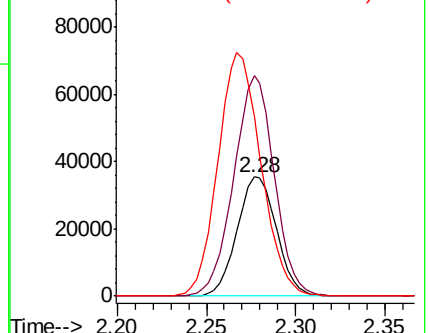
63 150.2 103.4 192.0

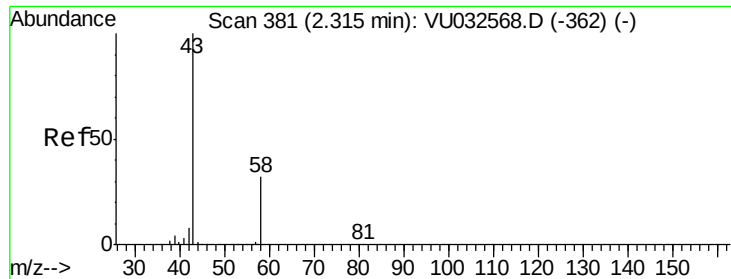


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.877 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

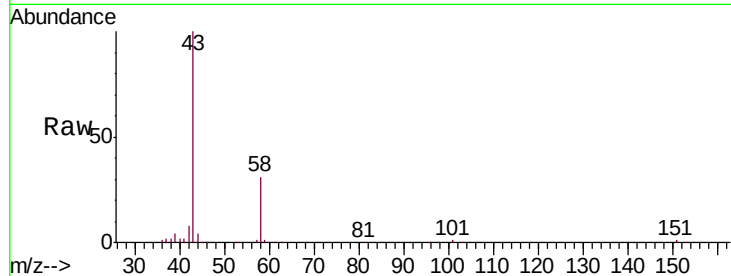
VSTD05043

Tgt Ion: 43 Resp: 105443

Ion Ratio Lower Upper

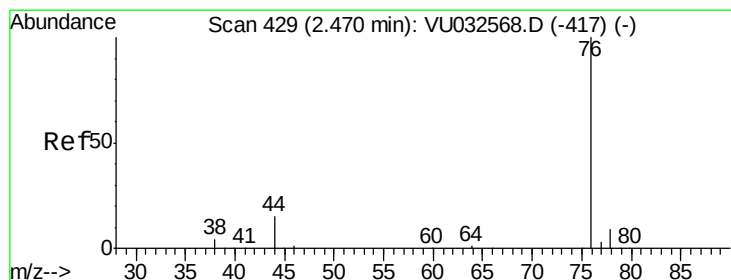
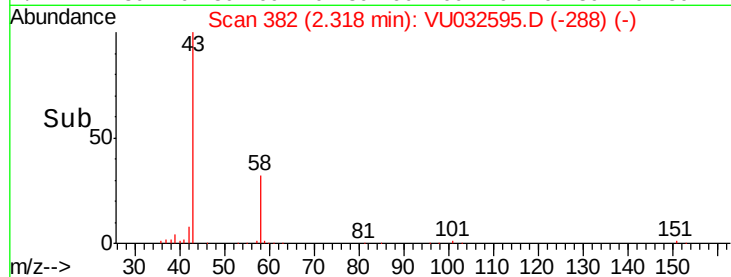
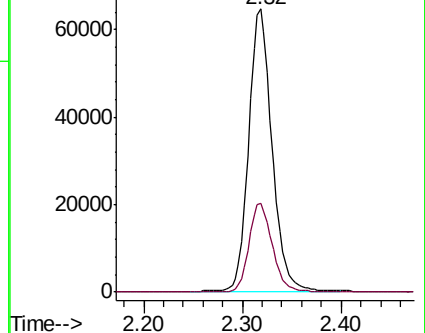
43 100

58 31.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032568.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU032568.D (-362) (-)



#14

Carbon disulfide

Concen: 50.138 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032595.D

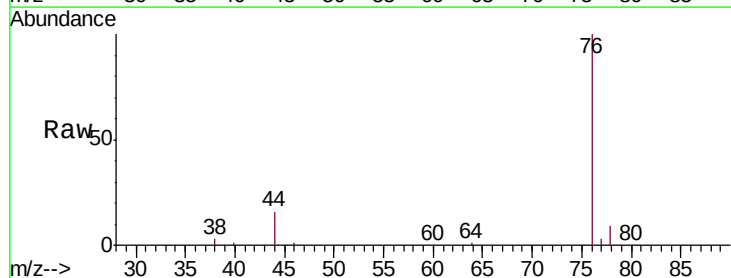
Acq: 11 Jun 2019 09:24

Tgt Ion: 76 Resp: 163787

Ion Ratio Lower Upper

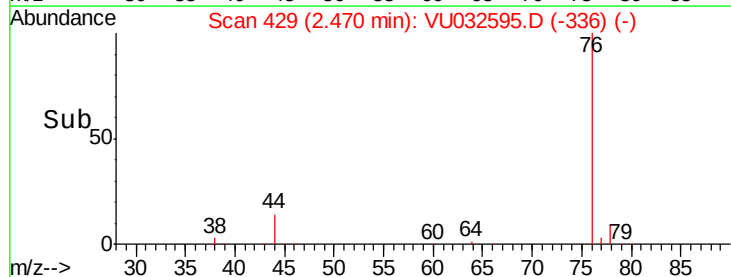
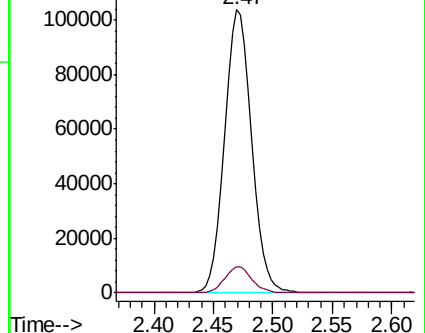
76 100

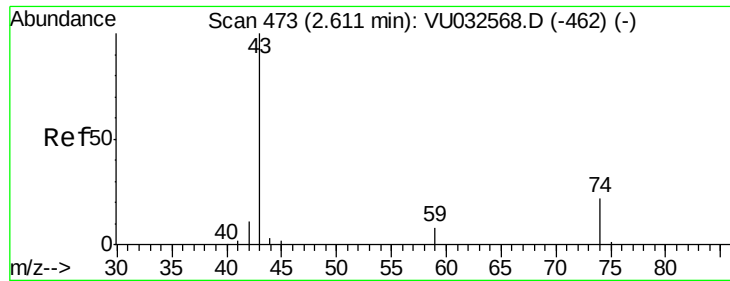
78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032568.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032568.D (-417) (-)

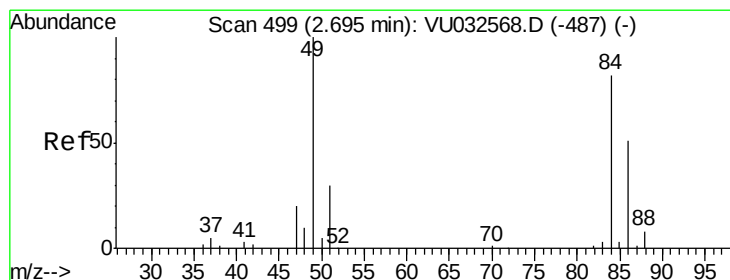
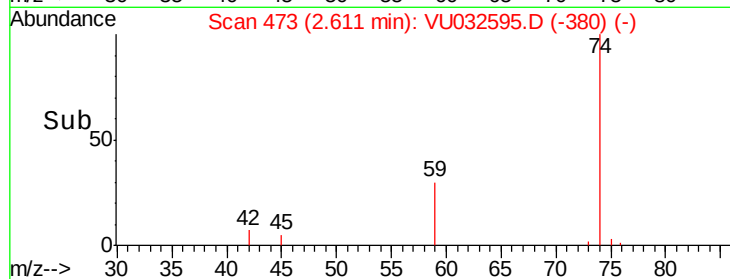
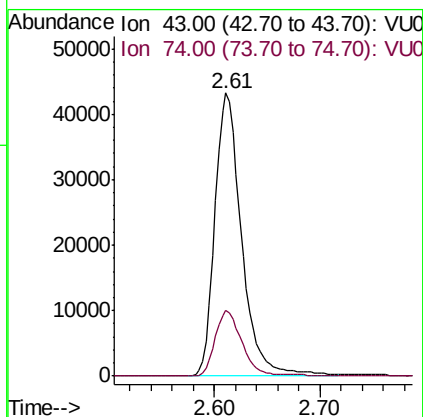
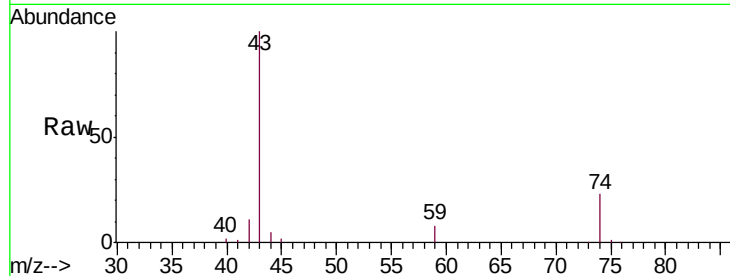




#15
Methyl Acetate
Concen: 52.641 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

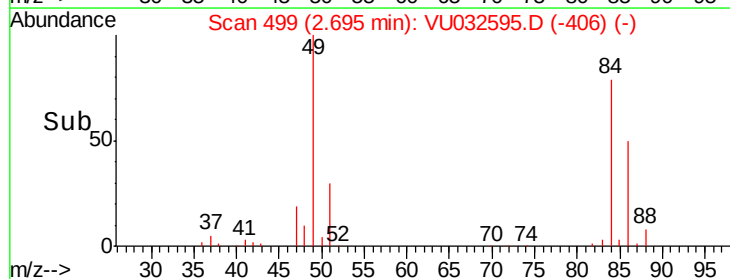
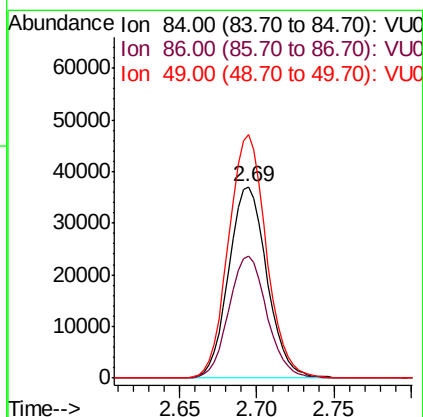
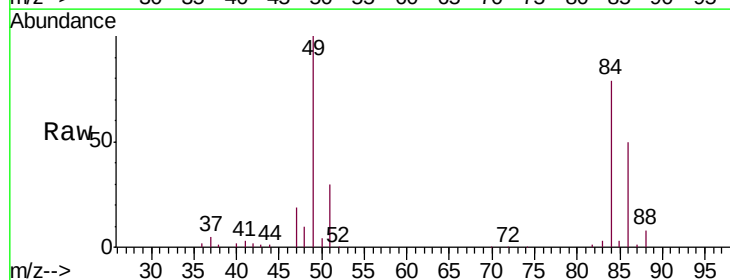
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

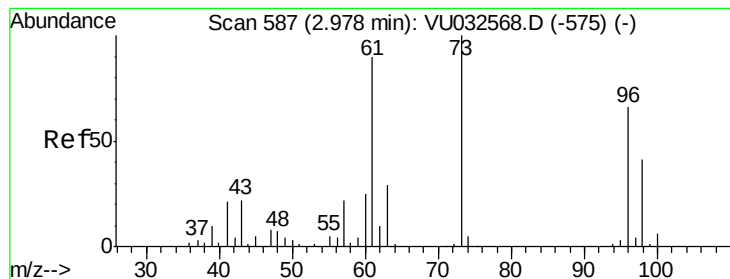
Tgt Ion: 43 Resp: 76292
Ion Ratio Lower Upper
43 100
74 22.9 18.0 27.0



#16
Methylene chloride
Concen: 51.803 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

Tgt Ion: 84 Resp: 63552
Ion Ratio Lower Upper
84 100
86 64.1 44.7 82.9
49 127.3 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 51.677 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

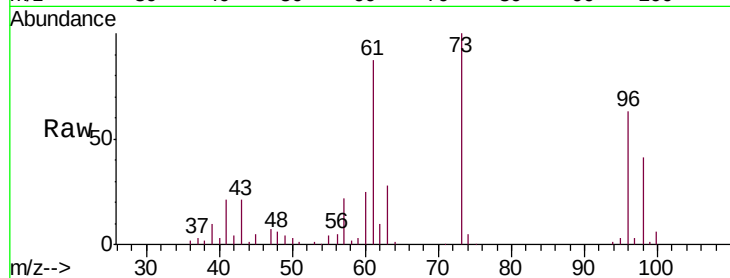
Tgt Ion: 96 Resp: 60208

Ion Ratio Lower Upper

96 100

61 138.3 95.7 177.7

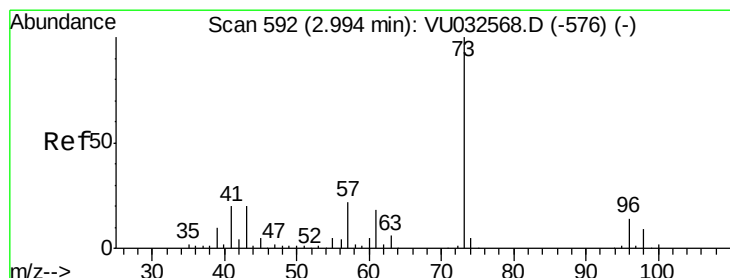
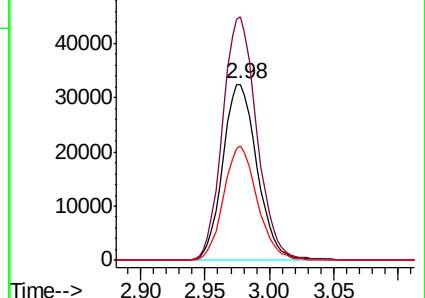
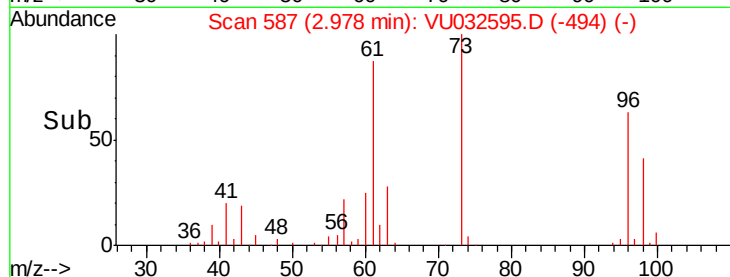
98 65.1 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032568.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU032568.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU032568.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 51.234 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

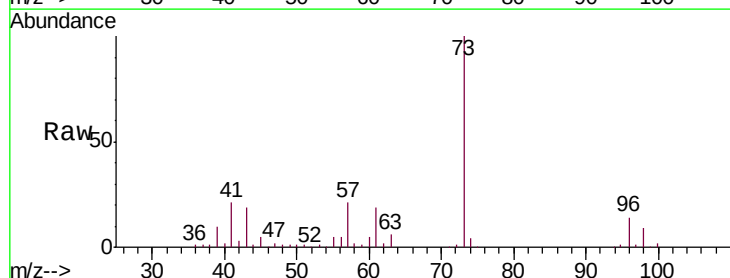
Tgt Ion: 73 Resp: 196104

Ion Ratio Lower Upper

73 100

43 19.8 15.8 23.6

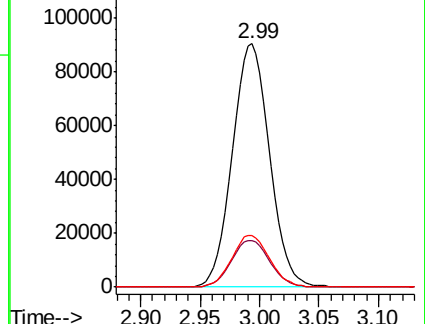
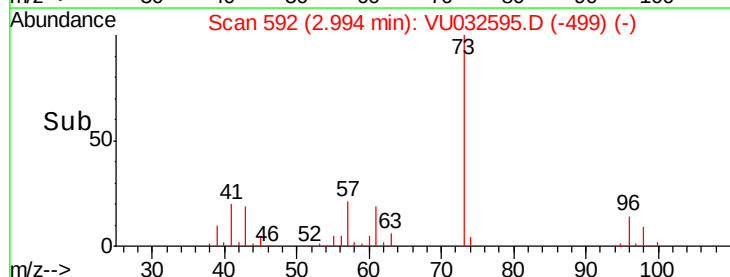
57 21.6 17.6 26.4

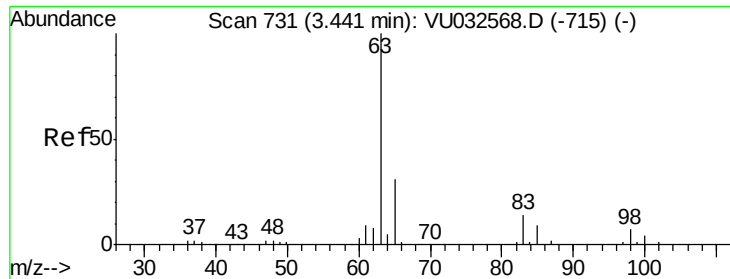


Abundance Ion 73.00 (72.70 to 73.70): VU032568.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU032568.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU032568.D (-576) (-)





#19

1,1-Dichloroethane

Concen: 52.213 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

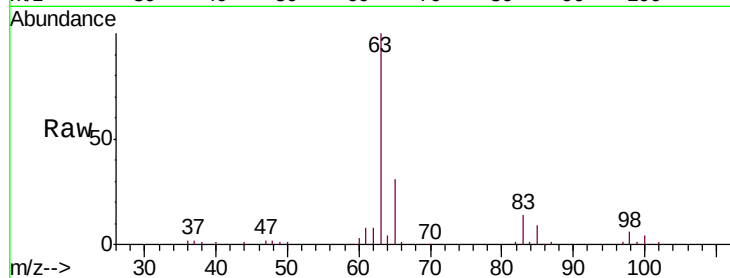
Tgt Ion: 63 Resp: 110897

Ion Ratio Lower Upper

63 100

65 30.9 21.8 40.6

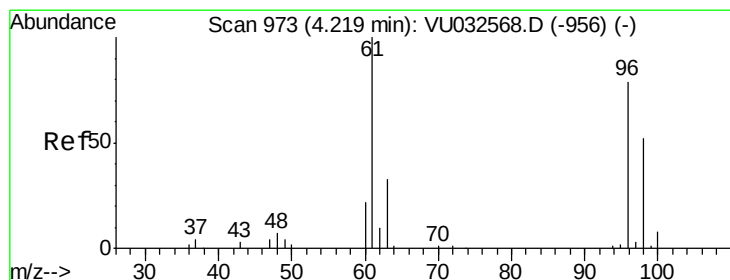
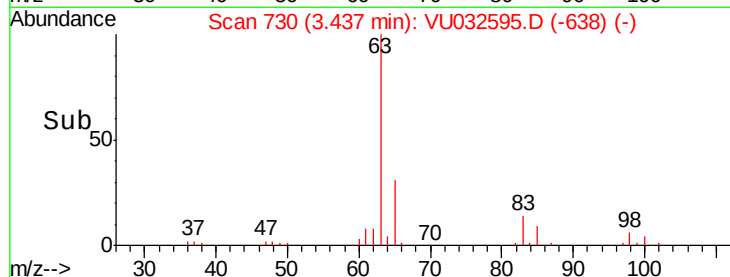
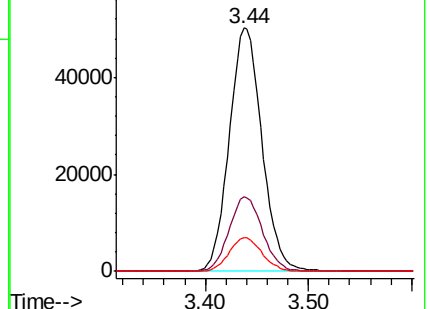
83 13.8 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032568.D (-715) (-)

Ion 65.00 (64.70 to 65.70): VU032568.D (-715) (-)

Ion 83.00 (82.70 to 83.70): VU032568.D (-715) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.017 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

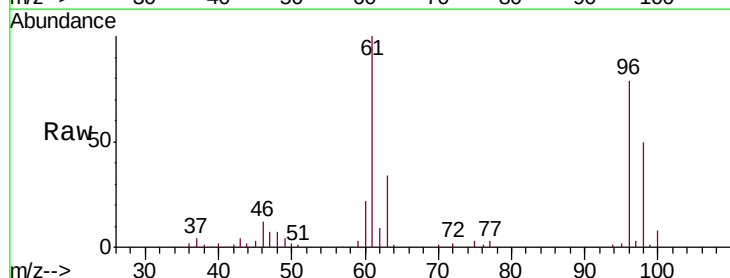
Tgt Ion: 96 Resp: 67269

Ion Ratio Lower Upper

96 100

61 127.2 87.2 162.0

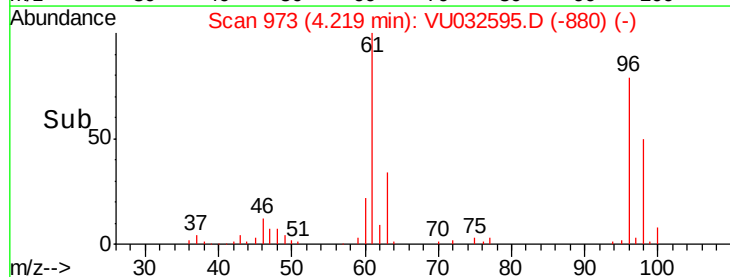
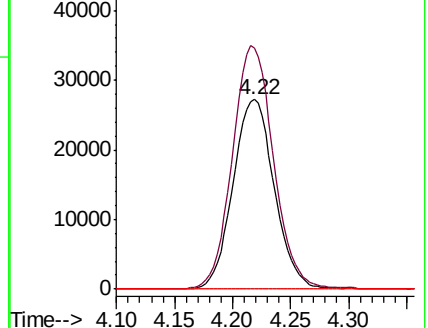
68 0.0 0.0 0.0

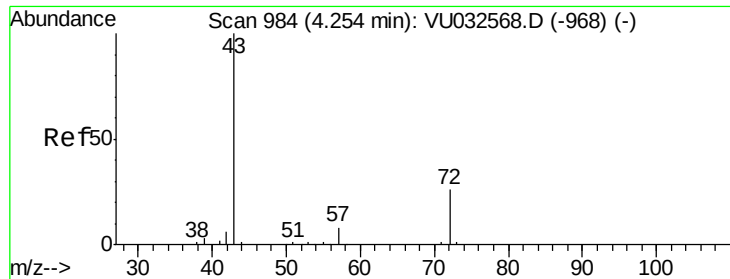


Abundance Ion 96.00 (95.70 to 96.70): VU032568.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032568.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032568.D (-956) (-)





#22

2-Butanone

Concen: 104.379 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampled :

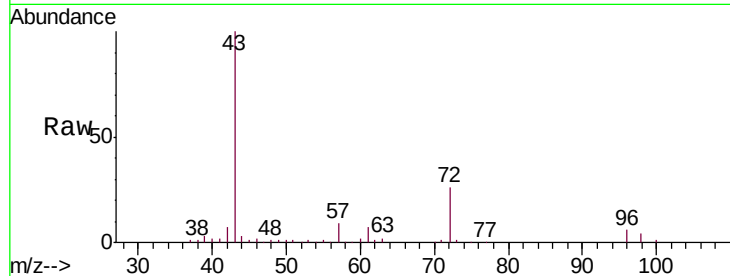
VSTD05043

Tgt Ion: 43 Resp: 125224

Ion Ratio Lower Upper

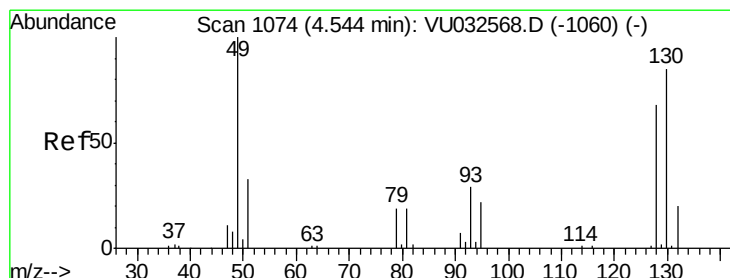
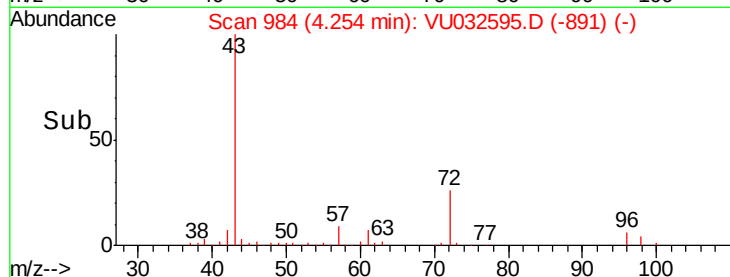
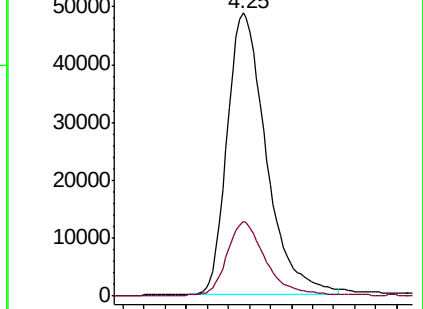
43 100

72 26.7 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032568.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU032568.D (-968) (-)



#23

Bromochloromethane

Concen: 50.417 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Tgt Ion: 128 Resp: 34565

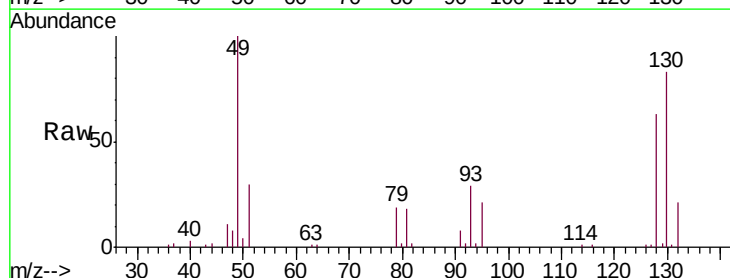
Ion Ratio Lower Upper

128 100

49 158.6 103.7 192.5

130 132.0 92.2 171.2

51 48.1 37.7 56.5

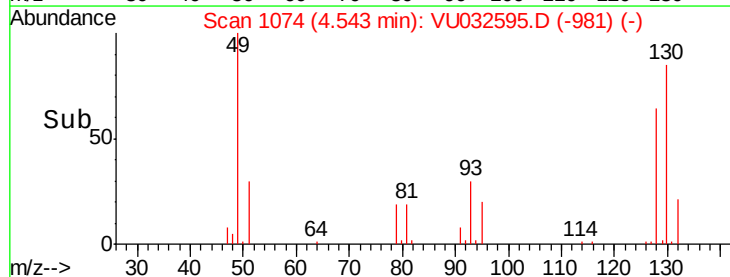
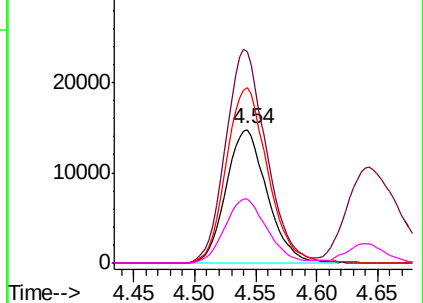


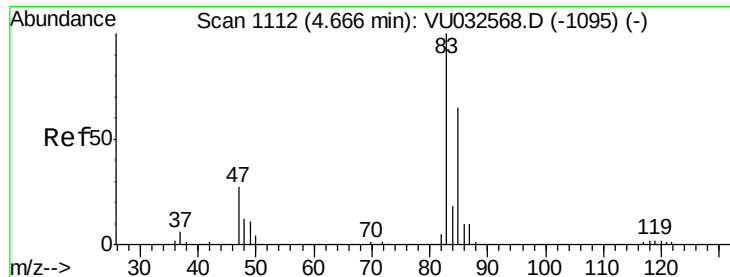
Abundance Ion 128.00 (127.70 to 128.70): VU032568.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU032568.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU032568.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU032568.D (-1060) (-)

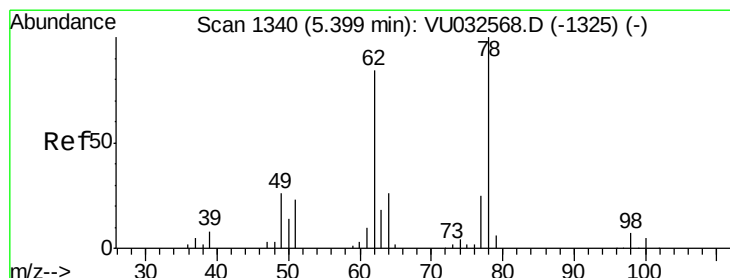
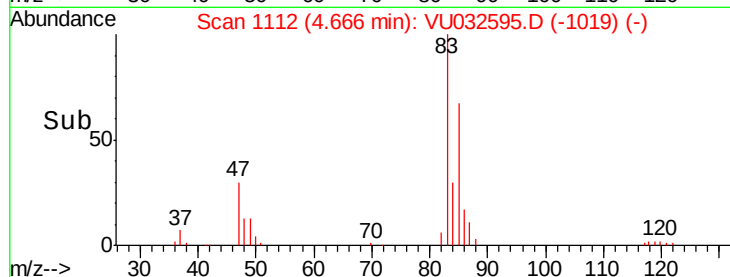
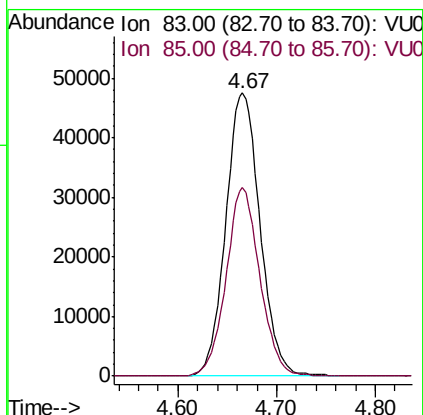
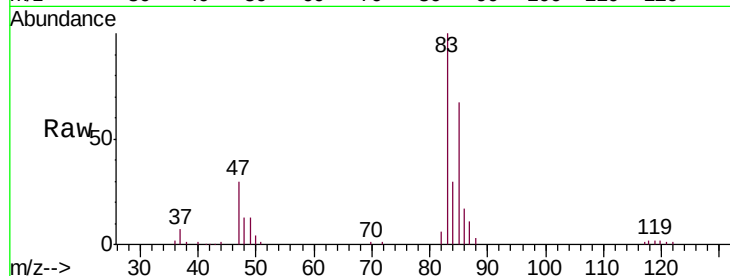




#25
Chloroform
Concen: 52.563 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

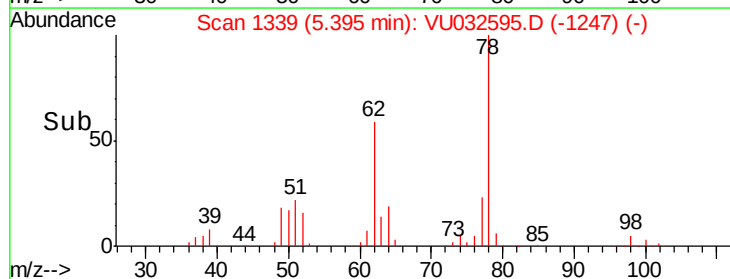
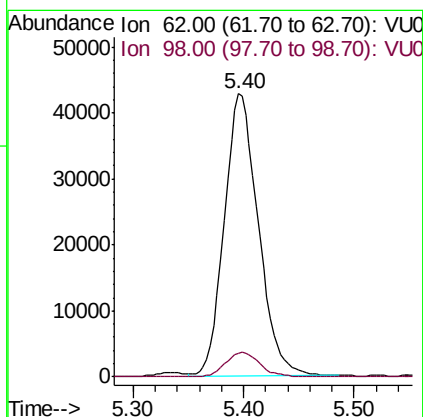
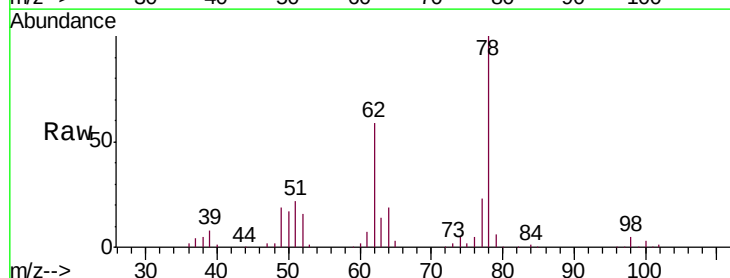
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

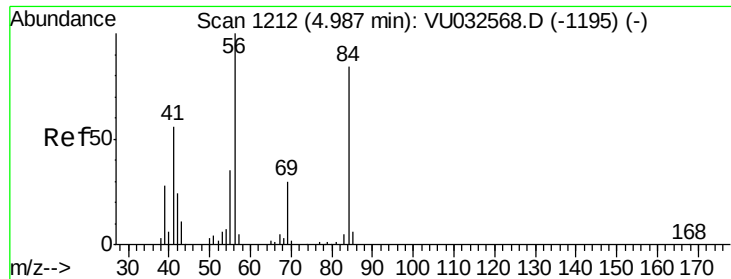
Tgt Ion: 83 Resp: 115206
Ion Ratio Lower Upper
83 100
85 66.7 44.7 82.9



#27
1,2-Dichloroethane
Concen: 52.869 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

Tgt Ion: 62 Resp: 91606
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8

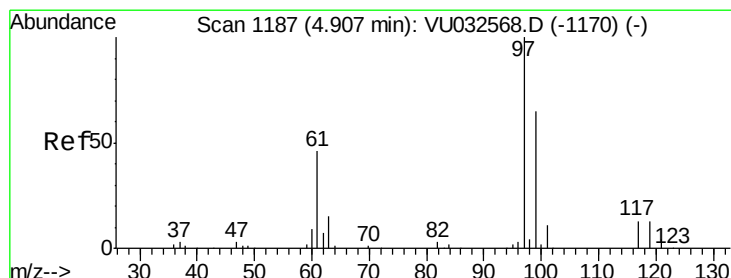
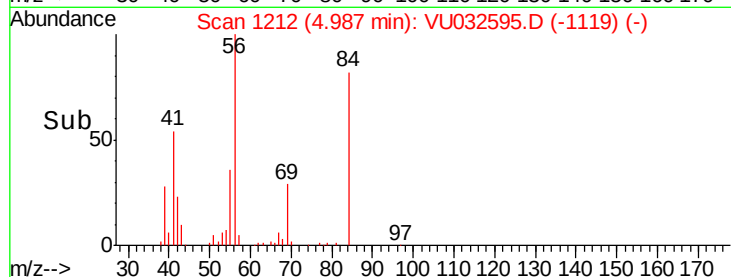
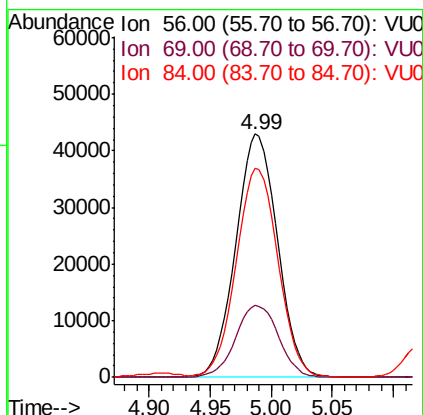
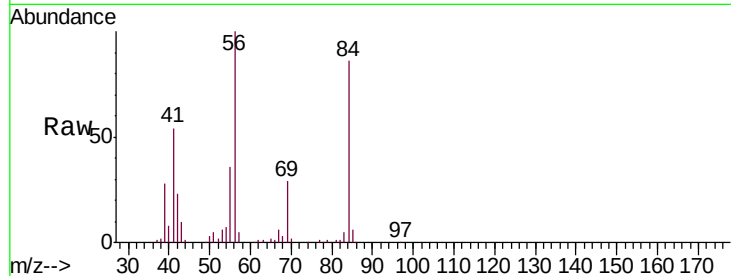




#29
Cyclohexane
Concen: 50.324 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

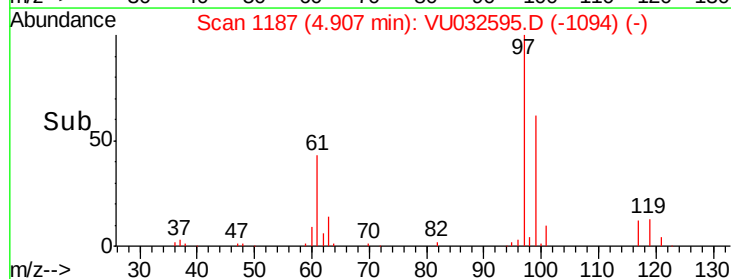
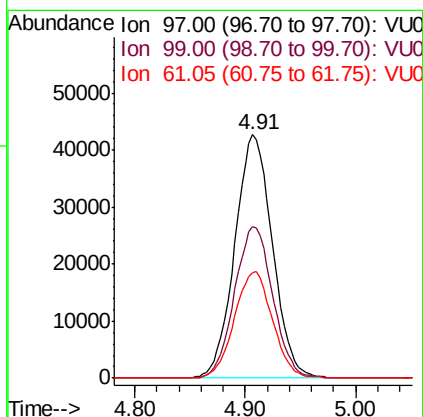
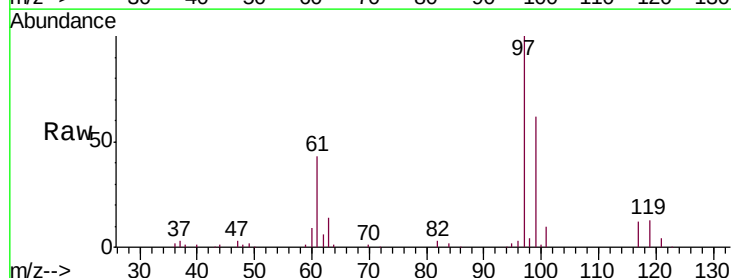
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

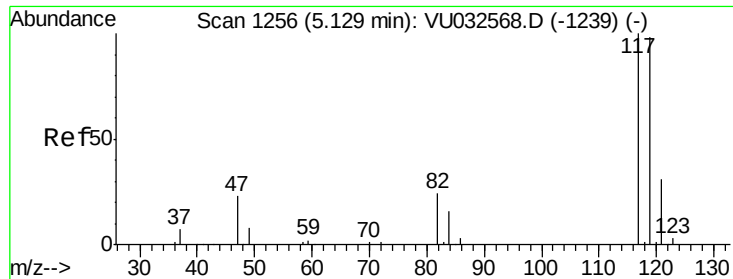
Tgt Ion: 56 Resp: 101747
Ion Ratio Lower Upper
56 100
69 30.5 24.7 37.1
84 86.3 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 52.450 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

Tgt Ion: 97 Resp: 100929
Ion Ratio Lower Upper
97 100
99 63.1 50.5 75.7
61 44.2 33.8 50.6





#31

Carbon tetrachloride

Concen: 52.899 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

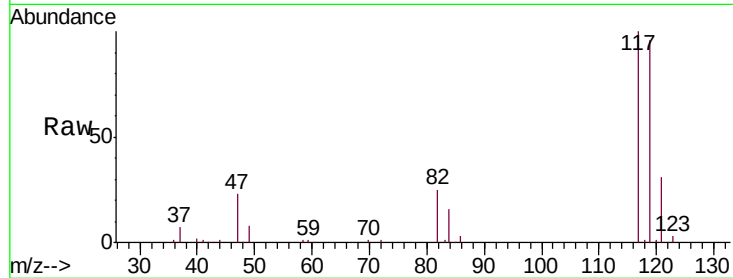
VSTD05043

Tgt Ion:117 Resp: 93295

Ion Ratio Lower Upper

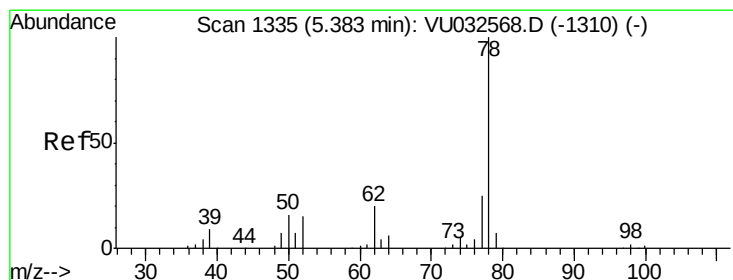
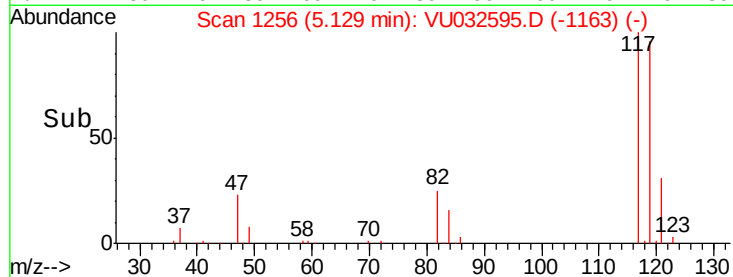
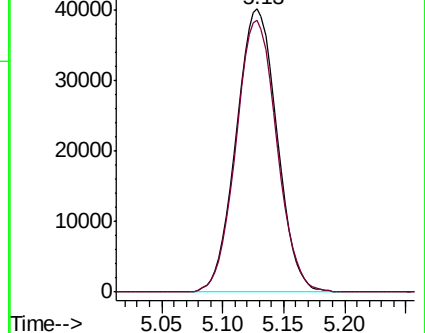
117 100

119 96.0 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.257 ug/L

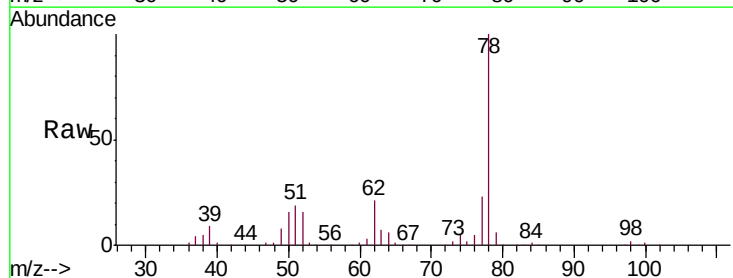
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

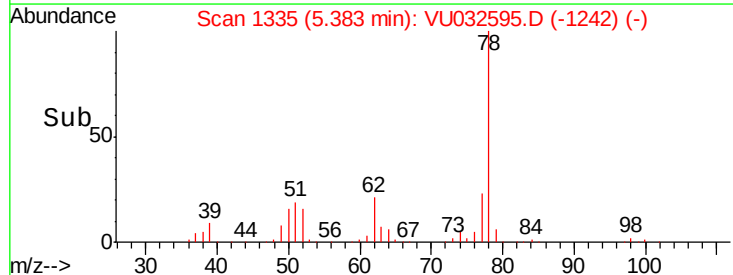
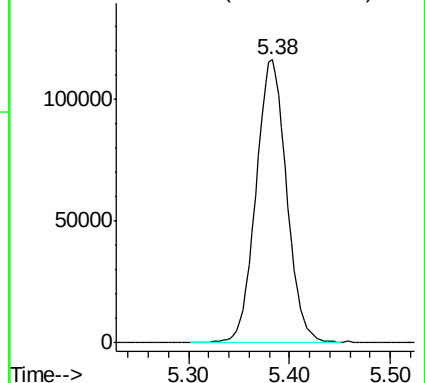
Lab File: VU032595.D

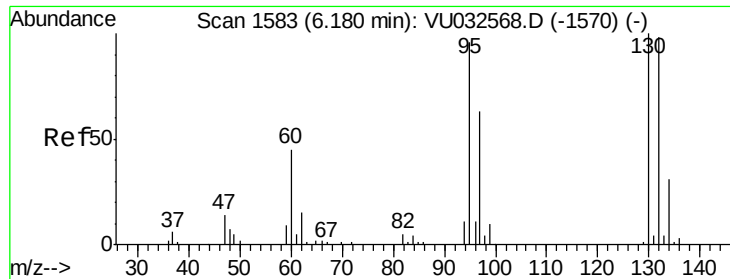
Acq: 11 Jun 2019 09:24

Tgt Ion: 78 Resp: 244803



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.537 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 95 Resp: 66966

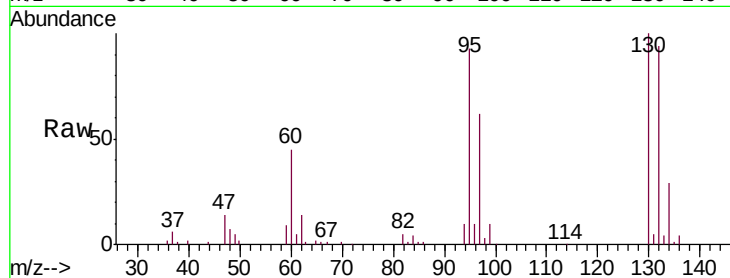
Ion Ratio Lower Upper

95 100

97 66.8 45.8 85.2

132 101.0 71.0 131.8

130 107.7 73.4 136.2

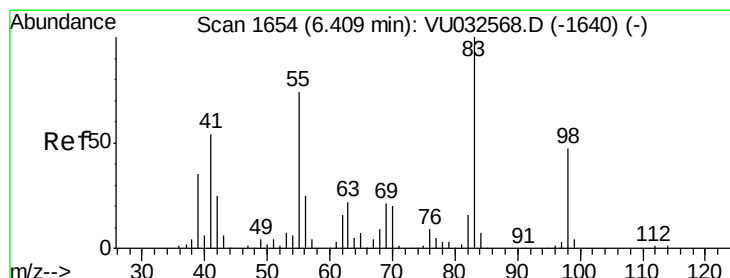
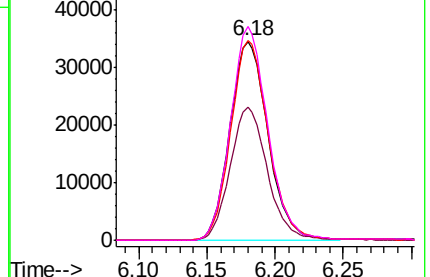
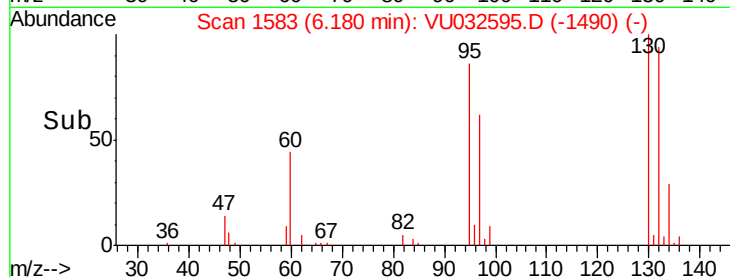


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.136 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

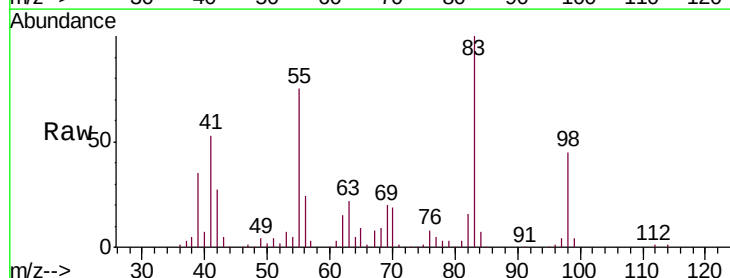
Tgt Ion: 83 Resp: 107566

Ion Ratio Lower Upper

83 100

55 75.0 60.2 90.4

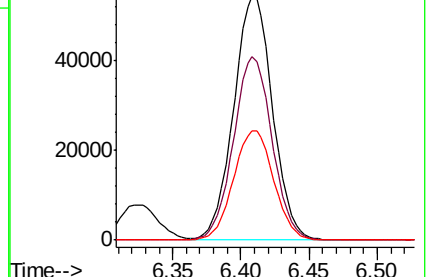
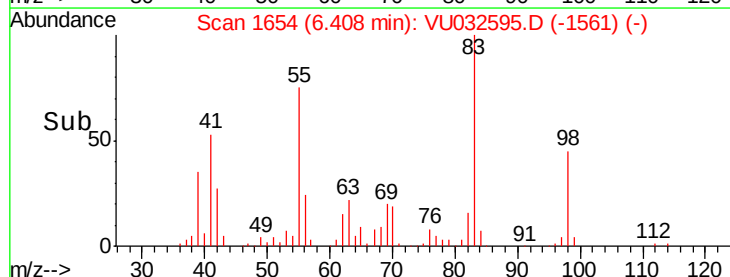
98 46.5 37.4 56.2

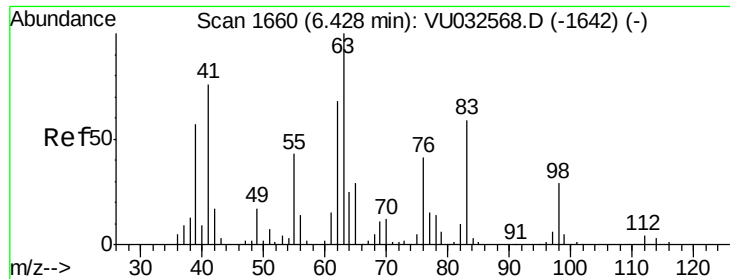


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

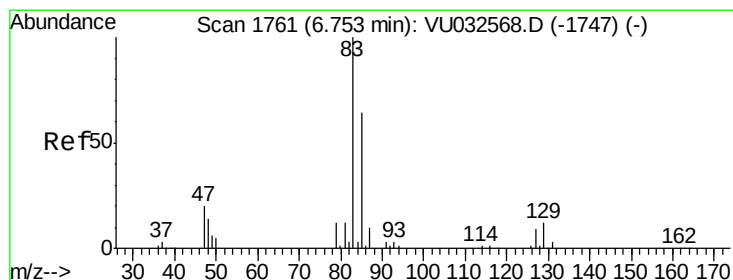
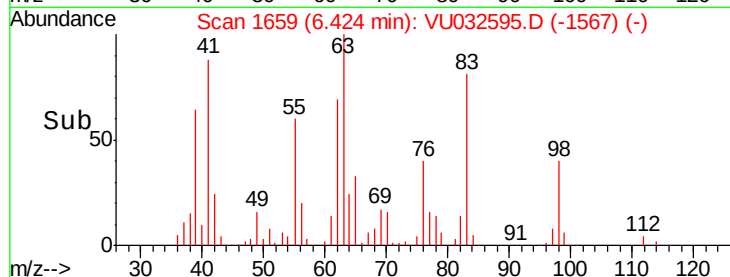
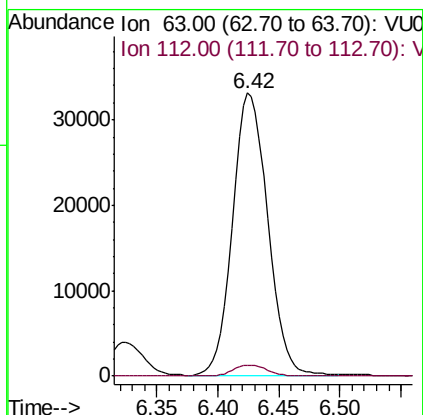
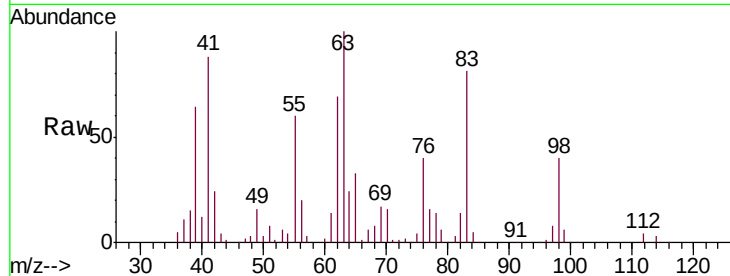




#37
 1,2-Dichloropropane
 Concen: 52.625 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

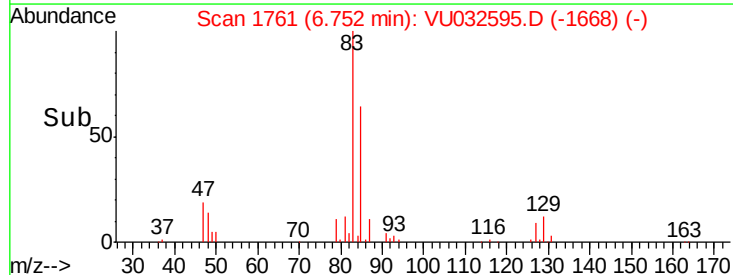
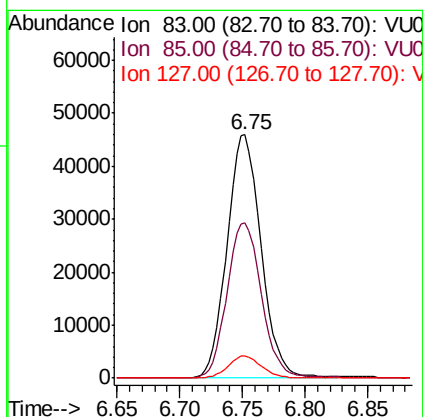
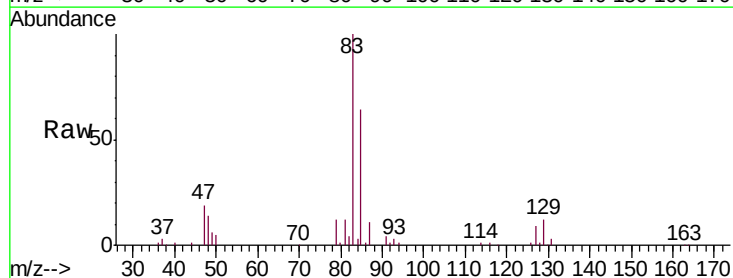
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

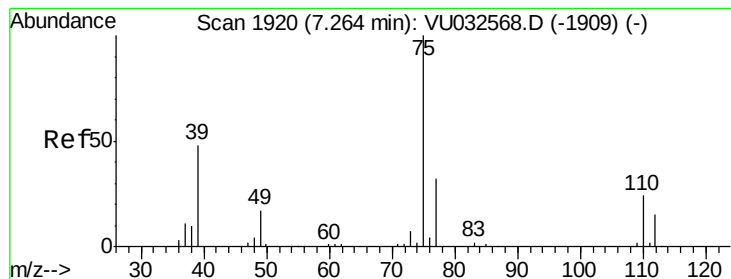
Tgt Ion: 63 Resp: 66626
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 53.530 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

Tgt Ion: 83 Resp: 87264
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.4 84.4
 127 9.1 7.4 11.2



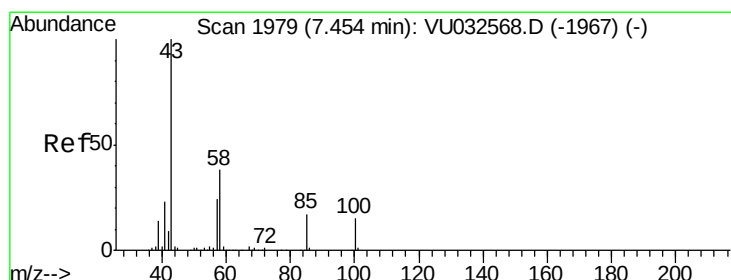
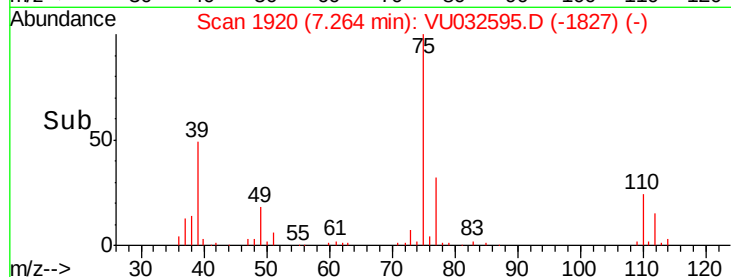
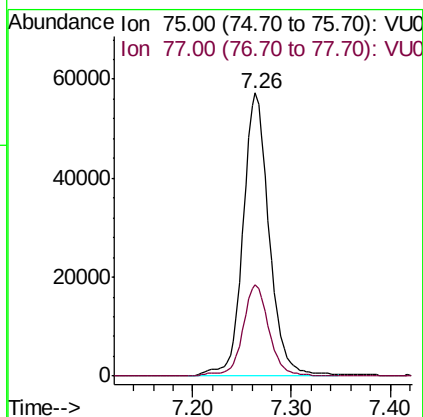
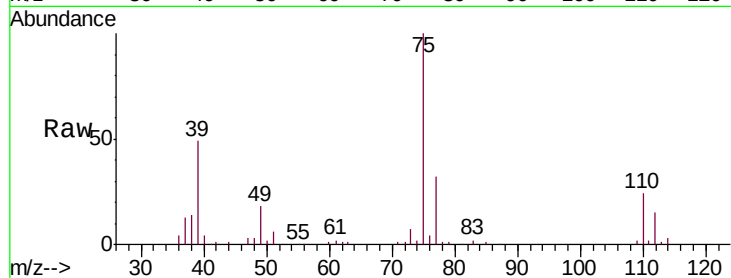


#39

cis-1,3-Dichloropropene
 Concen: 52.509 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

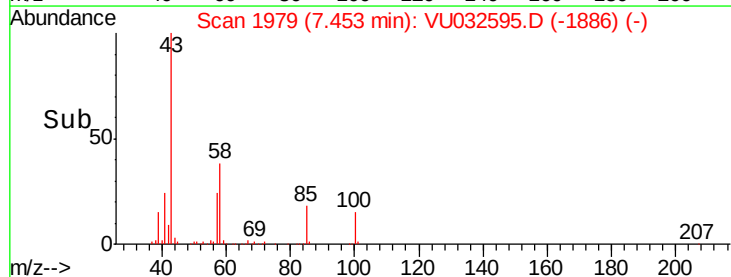
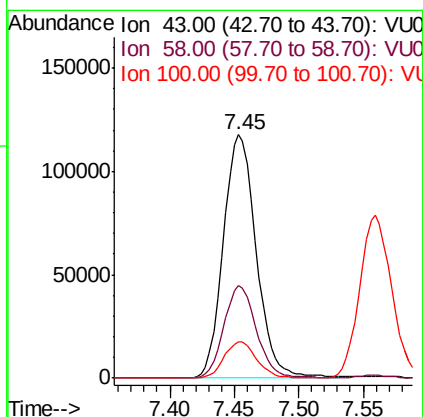
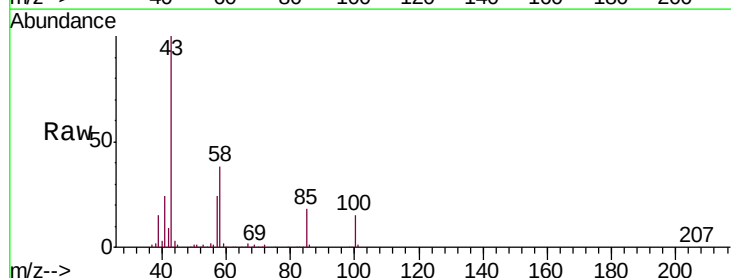
Tgt Ion: 75 Resp: 104889
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.0 41.0

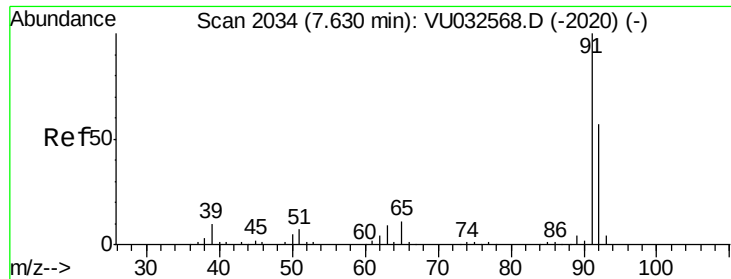


#40

4-Methyl-2-pentanone
 Concen: 102.565 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

Tgt Ion: 43 Resp: 208901
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.8 46.2
 100 14.8 12.1 18.1





#42

Toluene

Concen: 50.809 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

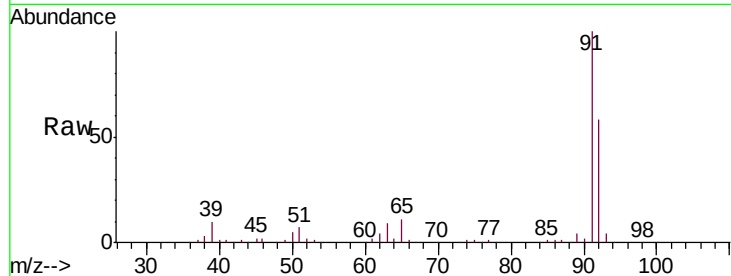
VSTD05043

Tgt Ion: 91 Resp: 265756

Ion Ratio Lower Upper

91 100

92 57.5 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032568.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032568.D (-2020) (-)

7.63

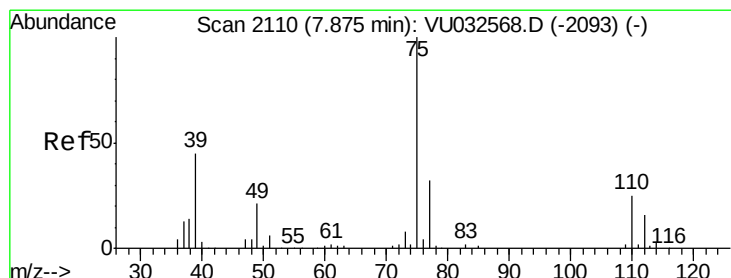
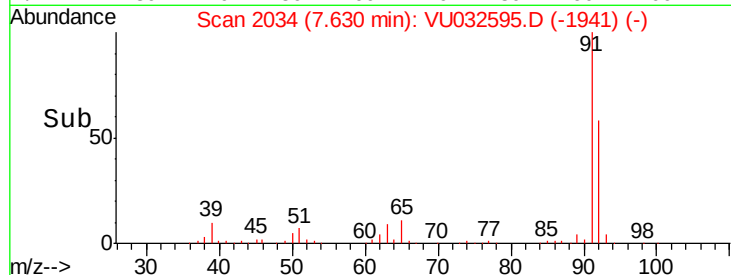
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.575 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032595.D

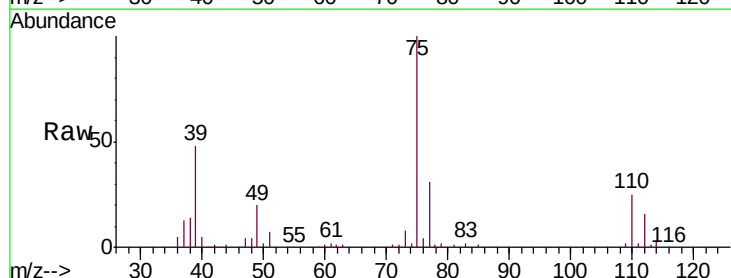
Acq: 11 Jun 2019 09:24

Tgt Ion: 75 Resp: 93215

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032568.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032568.D (-2093) (-)

7.87

60000

50000

40000

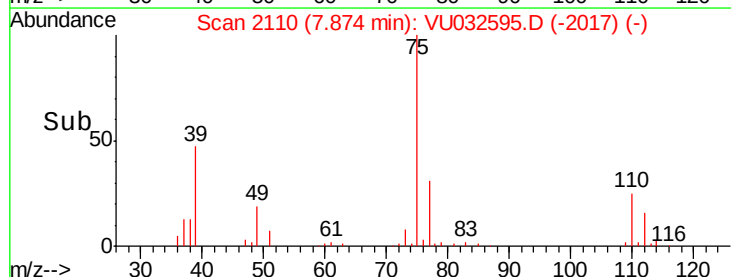
30000

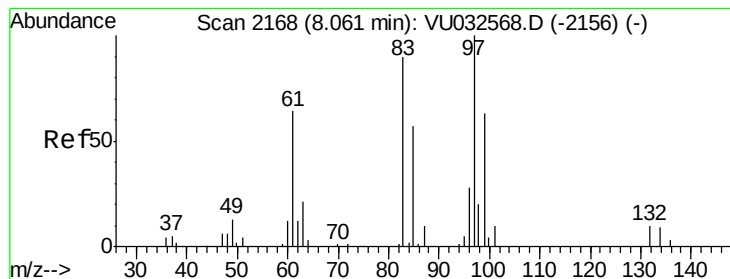
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 52.298 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

Tgt Ion: 97 Resp: 62613

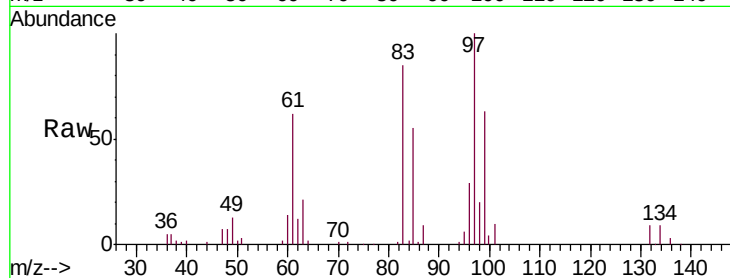
Ion Ratio Lower Upper

97 100

99 63.0 44.1 81.9

83 85.5 59.4 110.2

85 55.5 39.1 72.7

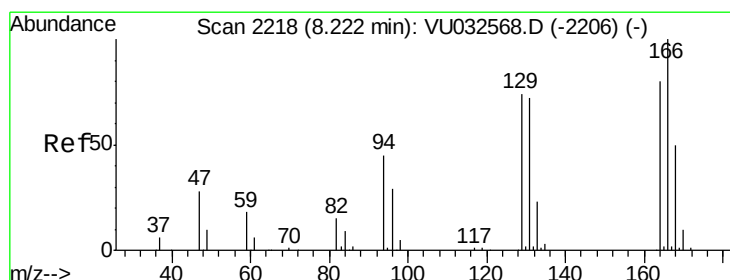
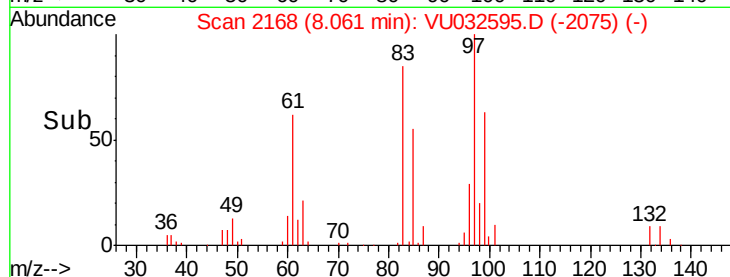
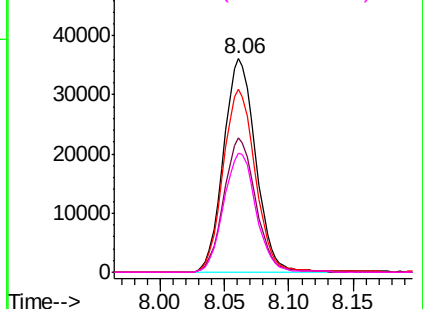


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 52.246 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Tgt Ion: 164 Resp: 56069

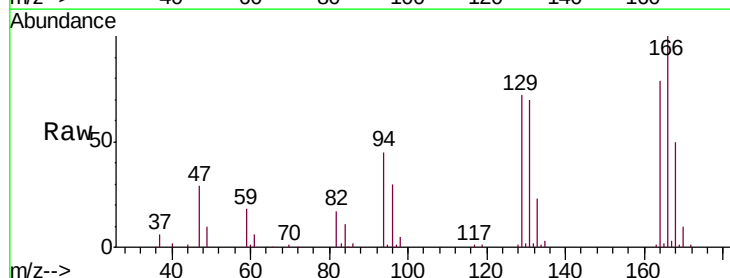
Ion Ratio Lower Upper

164 100

129 91.8 65.3 121.3

131 88.6 64.0 119.0

166 126.7 88.8 165.0

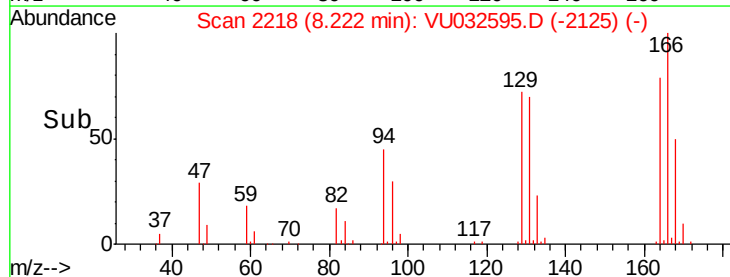
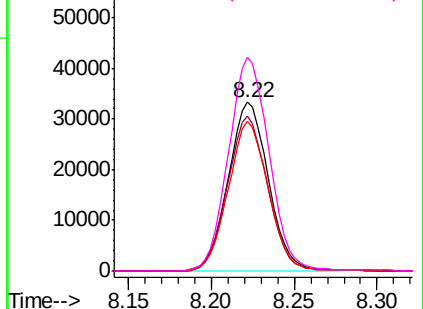


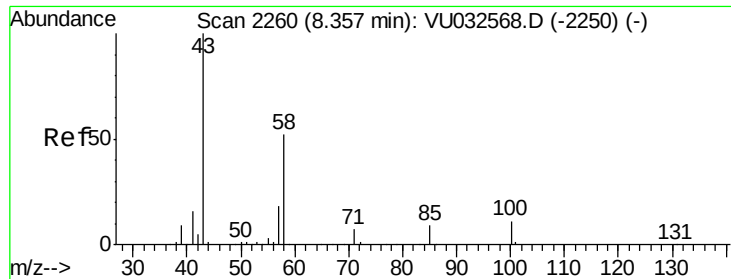
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

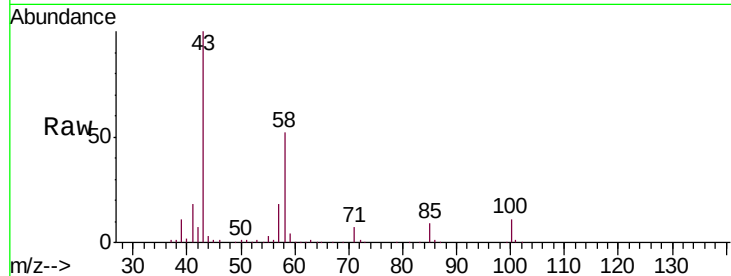




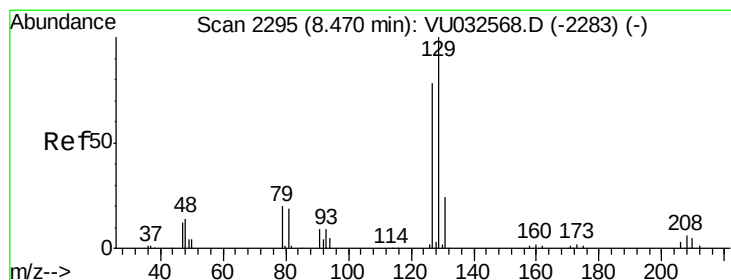
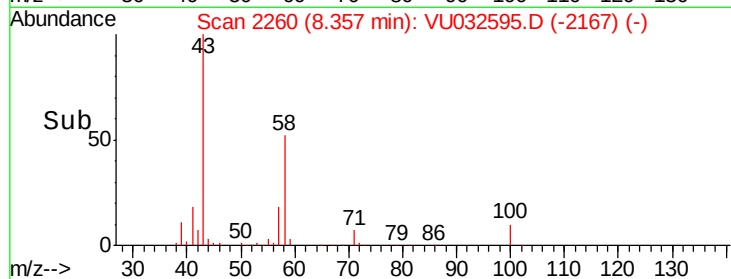
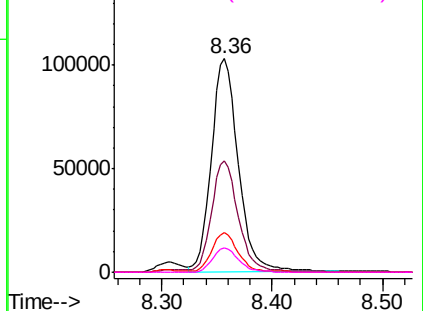
#48
2-Hexanone
Concen: 103.852 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

Tgt Ion: 43 Resp: 173734
Ion Ratio Lower Upper
43 100
58 52.0 42.0 63.0
57 18.0 14.6 22.0
100 11.3 9.2 13.8

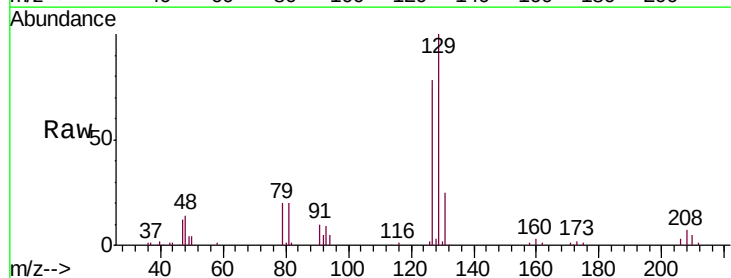


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

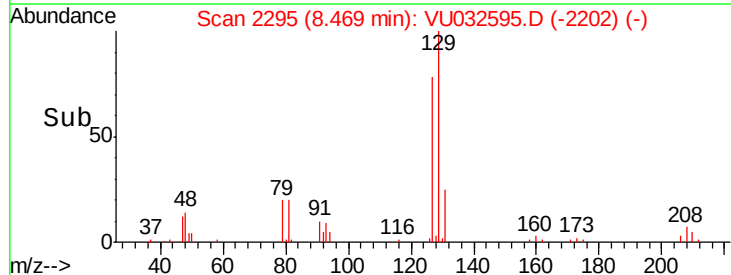
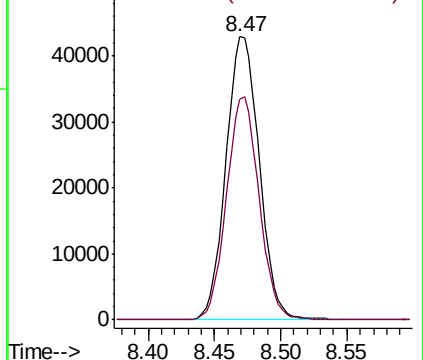


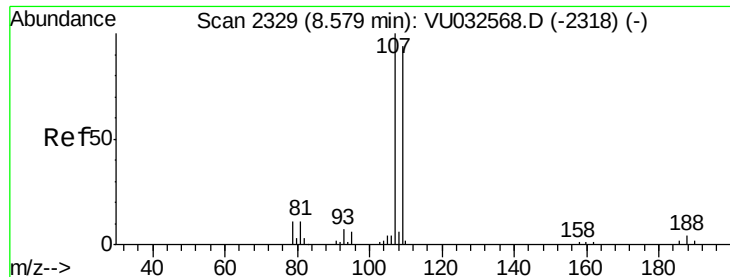
#49
Dibromochloromethane
Concen: 54.031 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

Tgt Ion: 129 Resp: 75188
Ion Ratio Lower Upper
129 100
127 78.0 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

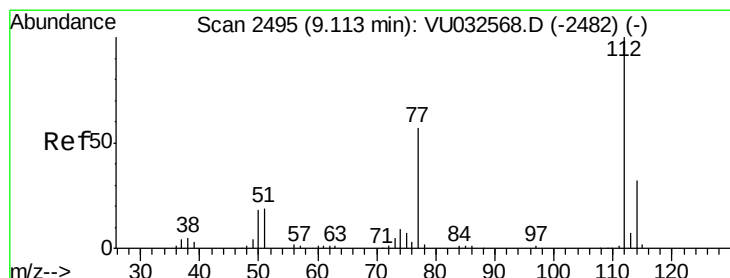
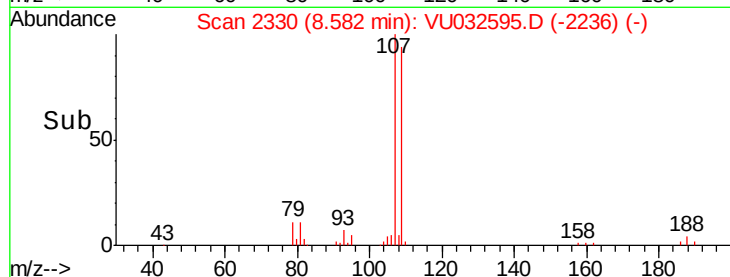
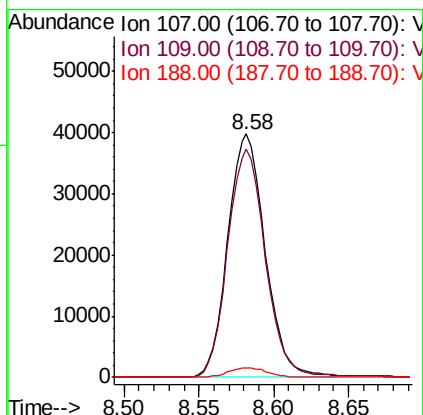
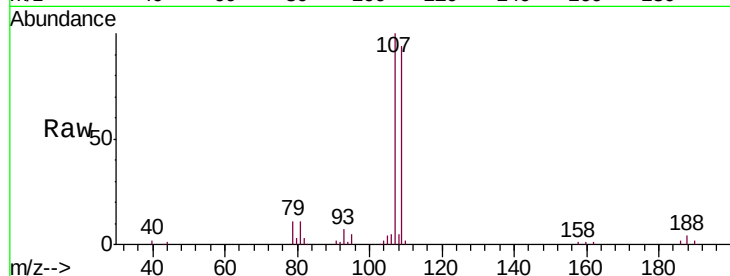




#50
1,2-Dibromoethane
Concen: 51.392 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

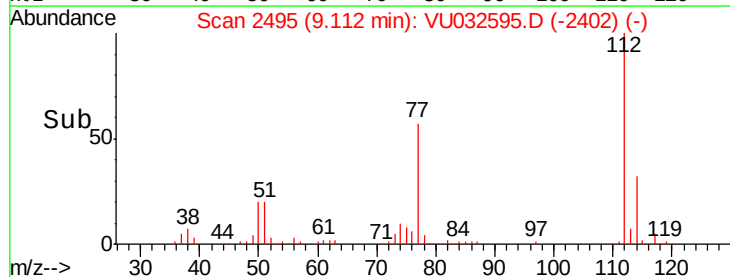
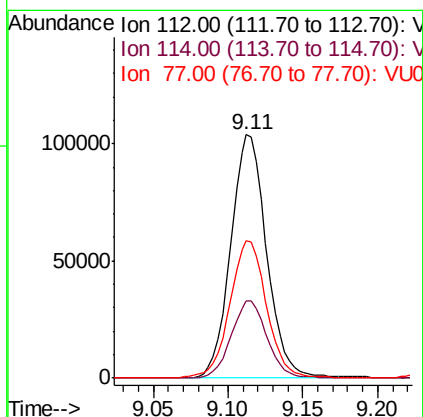
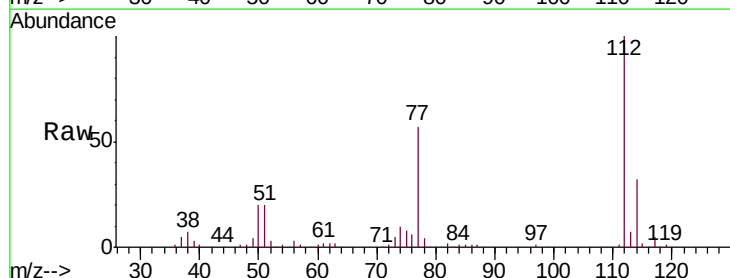
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

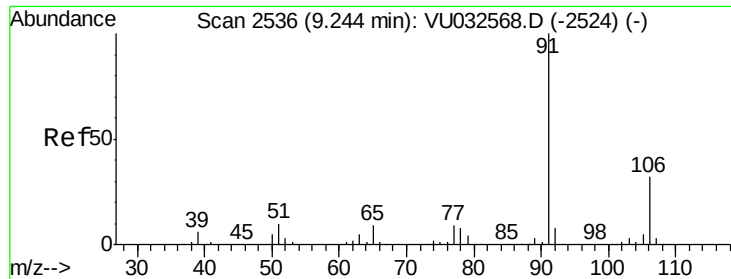
Tgt Ion:107 Resp: 69255
Ion Ratio Lower Upper
107 100
109 93.6 66.8 124.0
188 3.7 3.1 4.7



#51
Chlorobenzene
Concen: 51.396 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

Tgt Ion:112 Resp: 173196
Ion Ratio Lower Upper
112 100
114 31.6 22.6 42.0
77 56.6 46.1 69.1

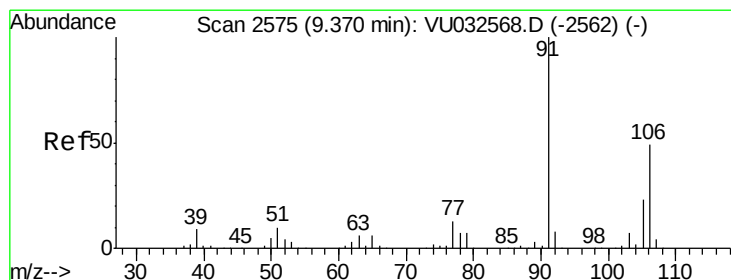
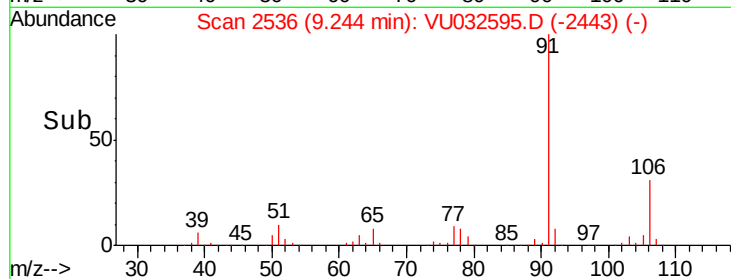
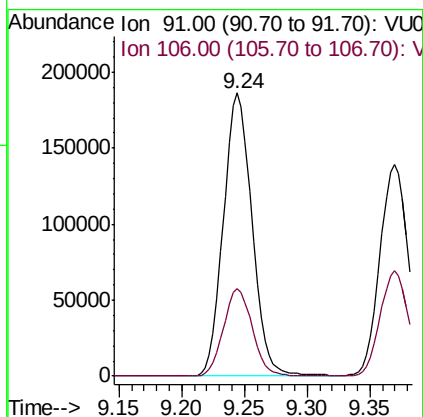
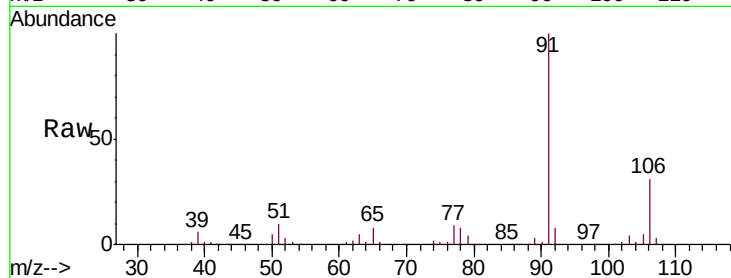




#52
Ethylbenzene
Concen: 50.652 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

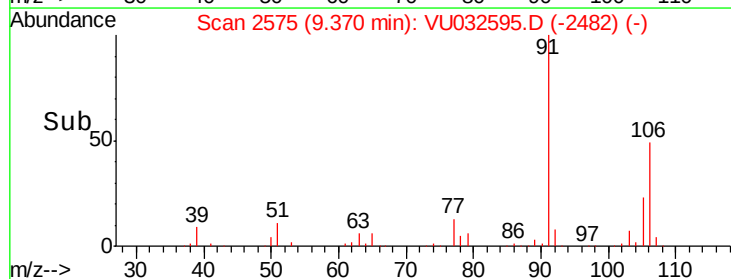
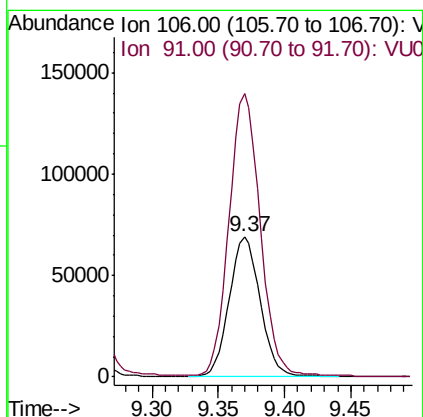
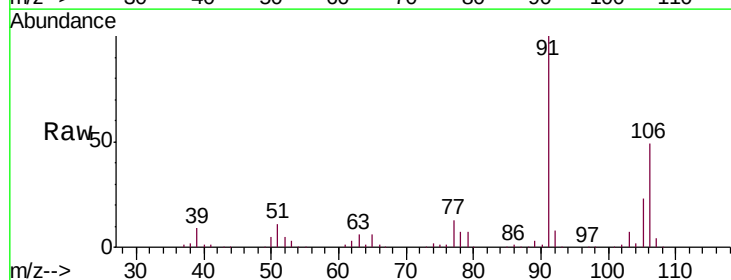
Instrument :
MSVOA_U
ClientSampleId :
VSTD05043

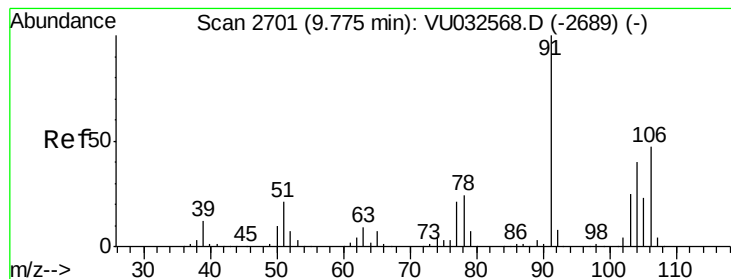
Tgt Ion: 91 Resp: 295309
Ion Ratio Lower Upper
91 100
106 31.0 22.0 41.0



#53
m,p-Xylene
Concen: 50.556 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU032595.D
Acq: 11 Jun 2019 09:24

Tgt Ion: 106 Resp: 112080
Ion Ratio Lower Upper
106 100
91 202.1 141.7 263.1





#54

o-xylene

Concen: 50.671 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

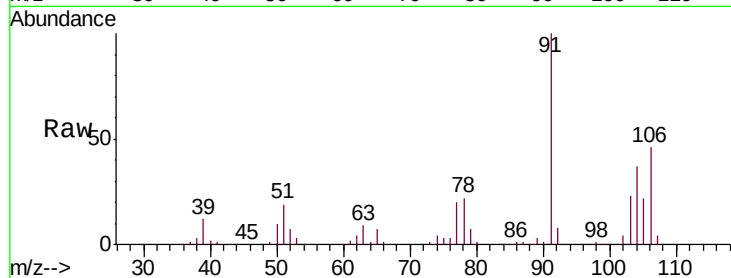
VSTD05043

Tgt Ion:106 Resp: 111535

Ion Ratio Lower Upper

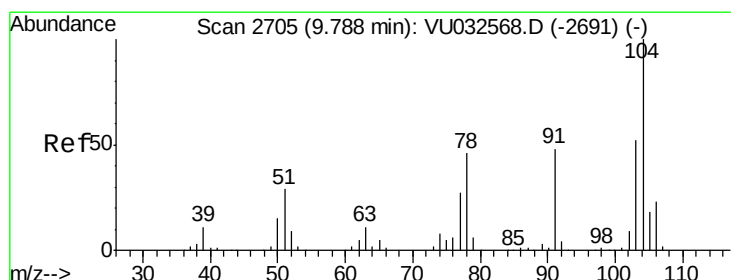
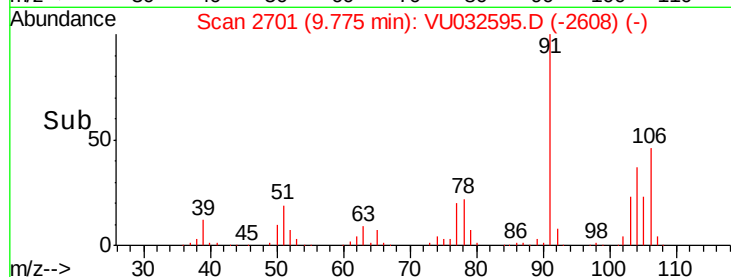
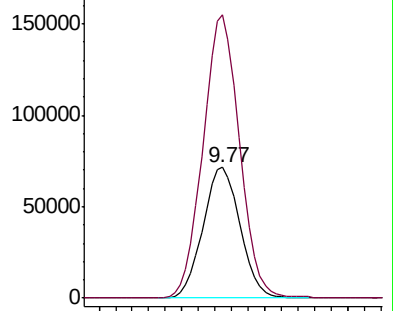
106 100

91 216.7 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.365 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032595.D

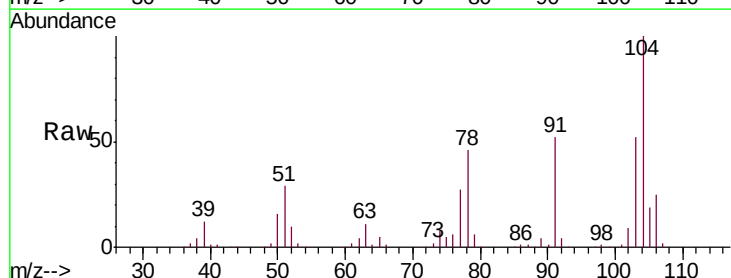
Acq: 11 Jun 2019 09:24

Tgt Ion:104 Resp: 188750

Ion Ratio Lower Upper

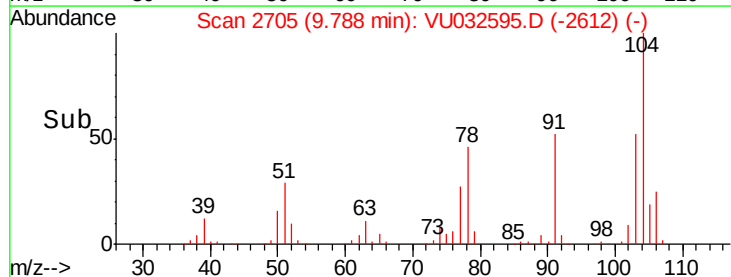
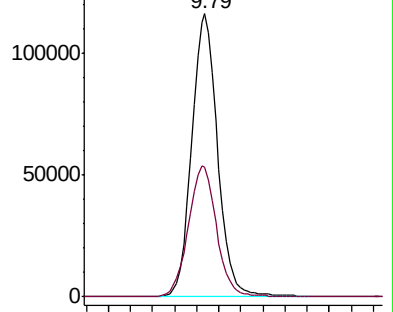
104 100

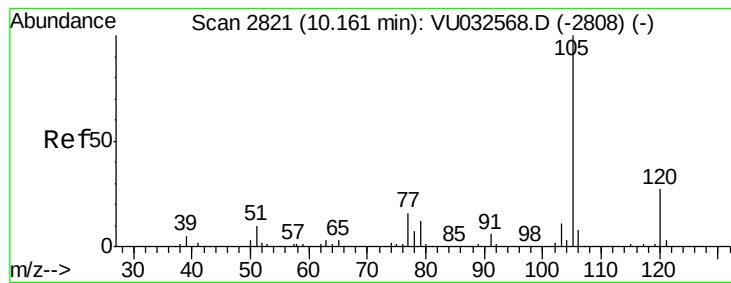
78 45.8 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.892 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

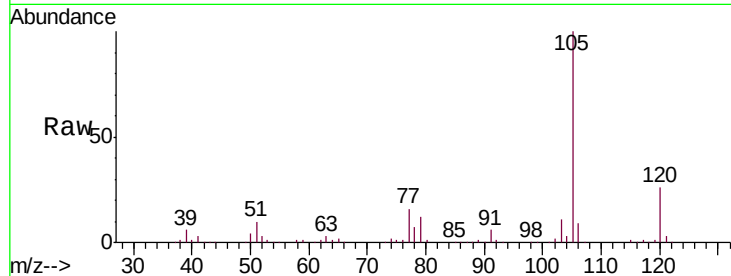
Tgt Ion: 105 Resp: 295388

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

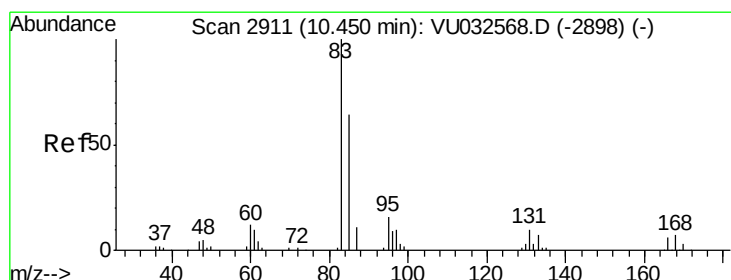
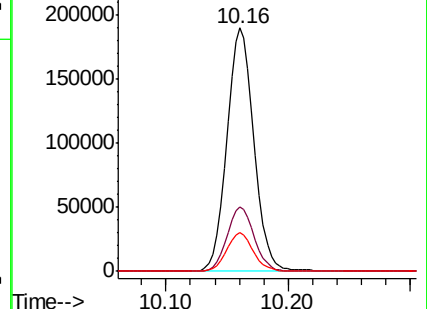
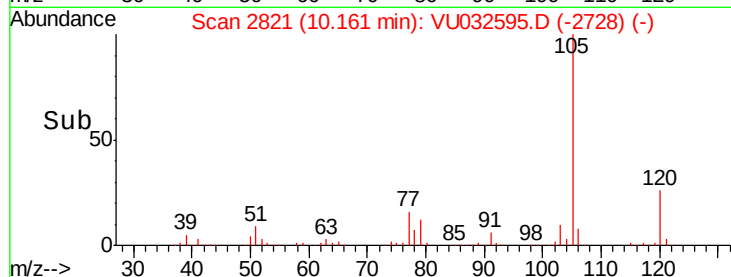
77 15.8 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.212 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

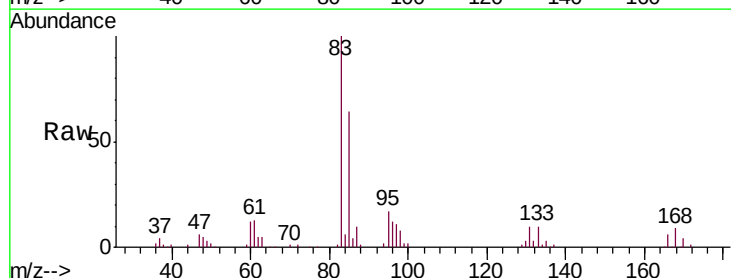
Tgt Ion: 83 Resp: 104791

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.7

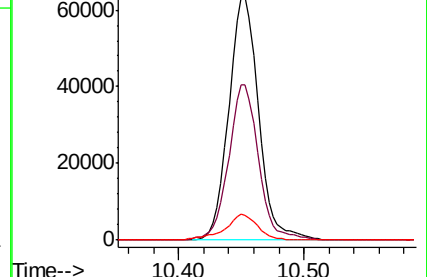
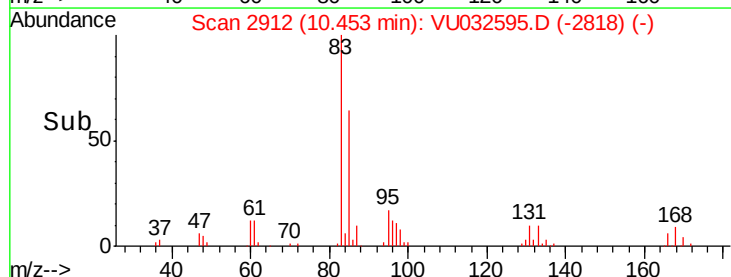
131 10.4 7.9 11.9

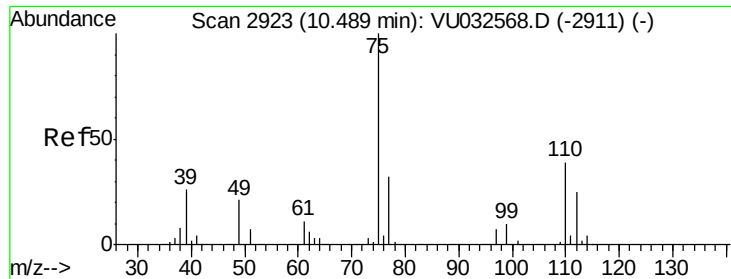


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

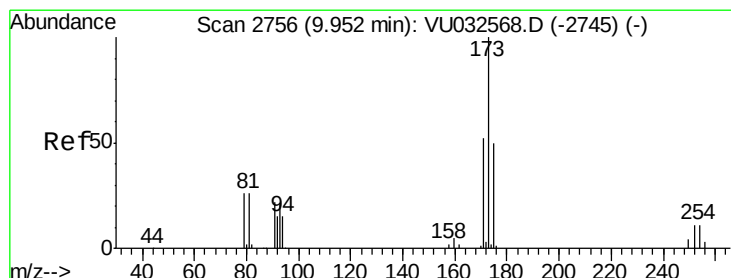
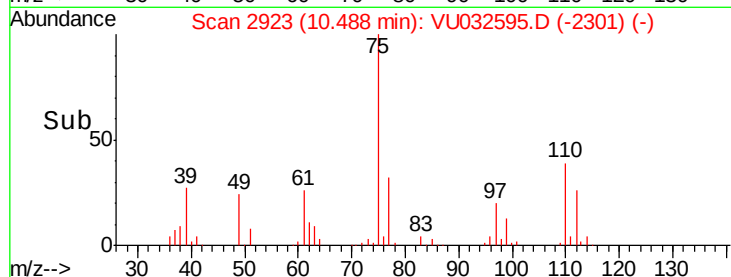
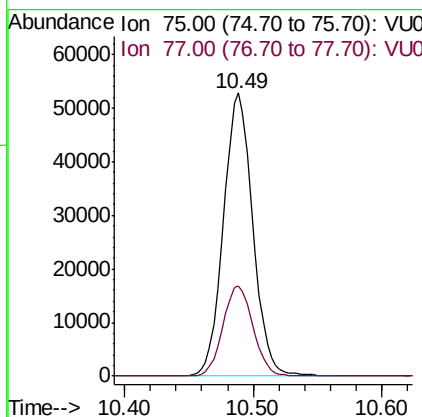
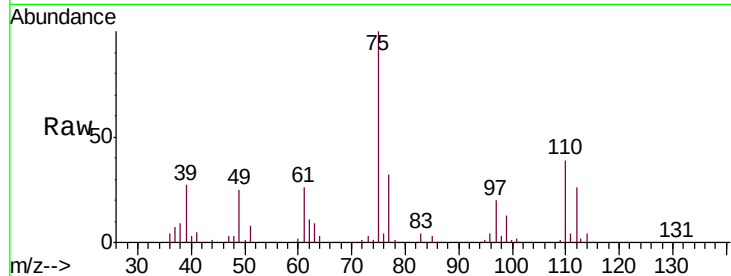




#59
 1,2,3-Trichloropropane
 Concen: 50.626 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

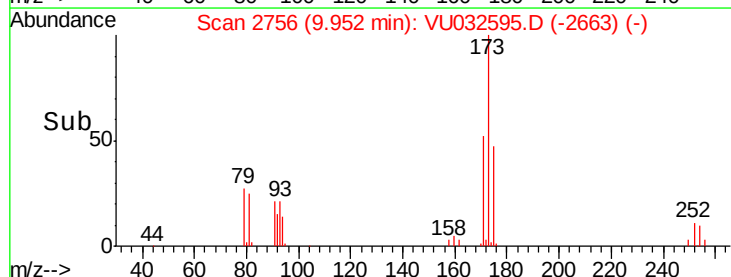
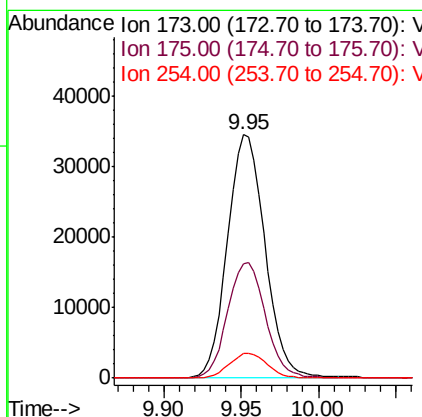
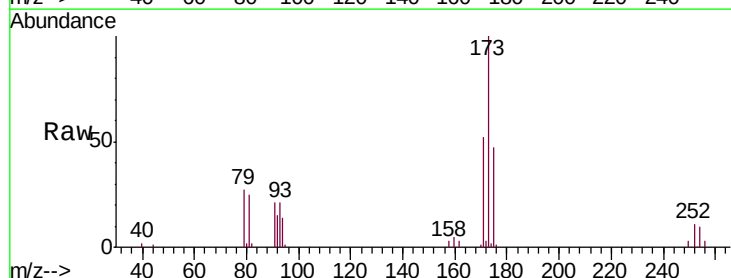
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

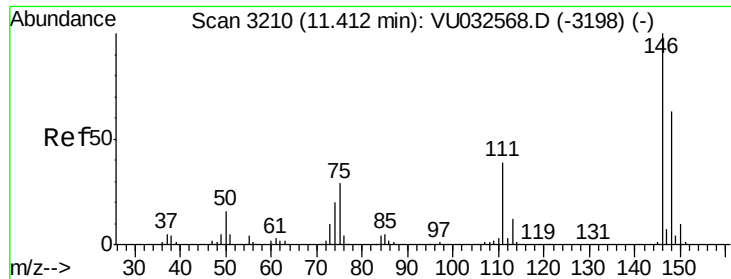
Tgt Ion: 75 Resp: 83321
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.6 38.4



#61
 Bromoform
 Concen: 53.759 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

Tgt Ion: 173 Resp: 58299
 Ion Ratio Lower Upper
 173 100
 175 47.5 39.7 59.5
 254 10.2 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 51.367 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

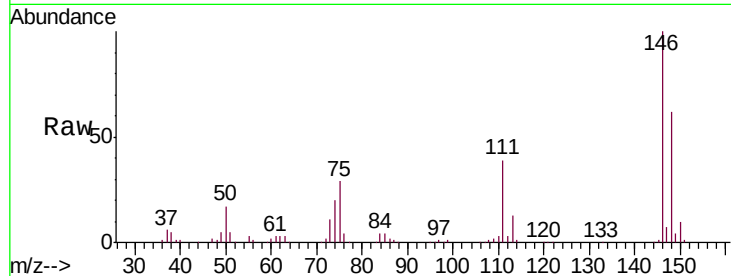
Tgt Ion:146 Resp: 141354

Ion Ratio Lower Upper

146 100

111 39.1 27.3 50.7

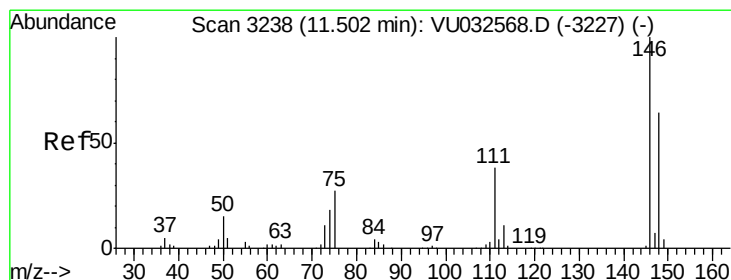
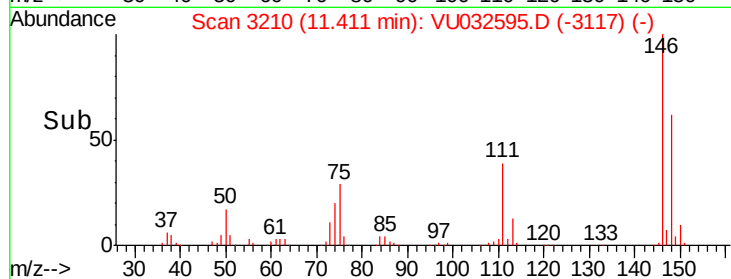
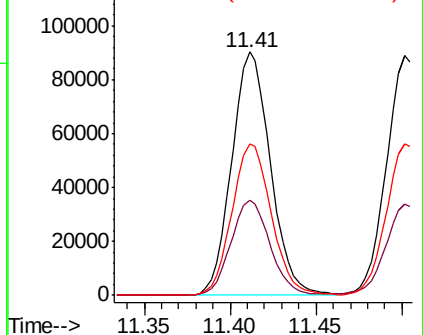
148 62.4 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.949 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

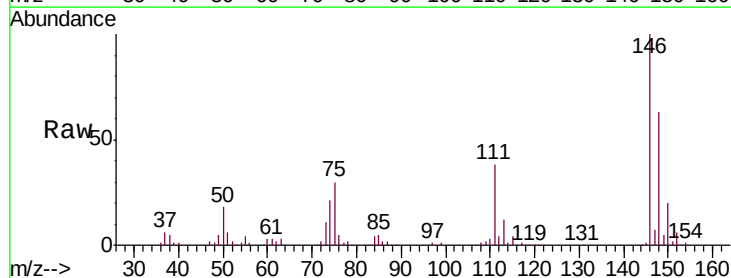
Tgt Ion:146 Resp: 143336

Ion Ratio Lower Upper

146 100

111 38.4 26.6 49.4

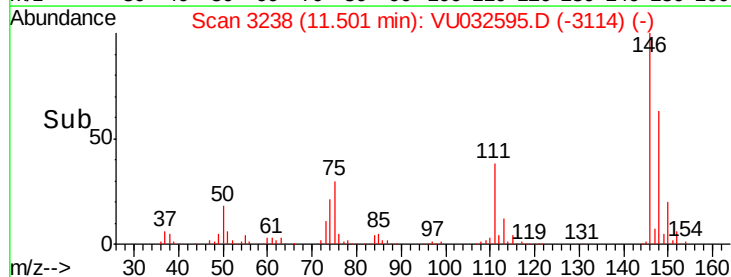
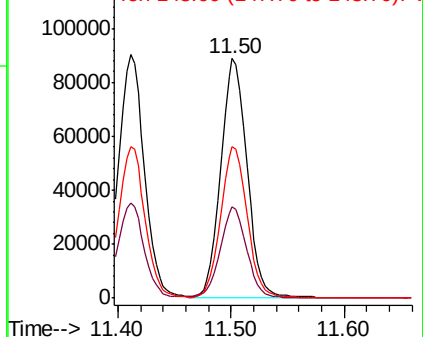
148 63.4 44.9 83.5

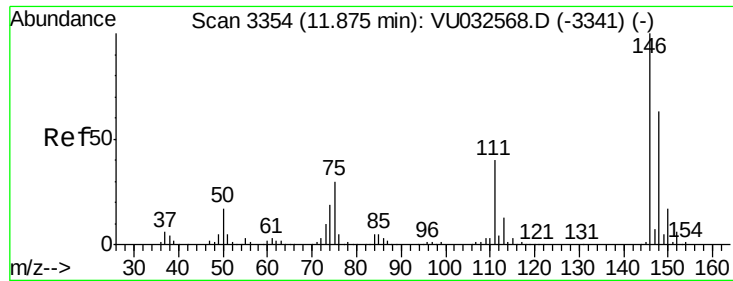


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

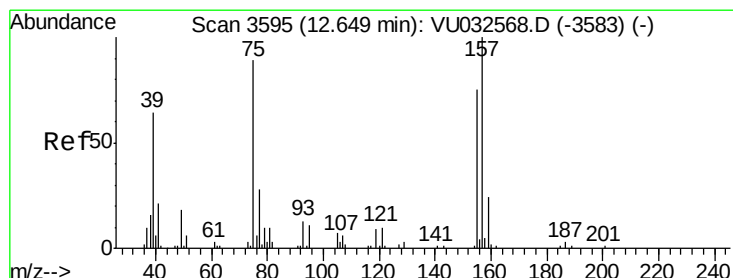
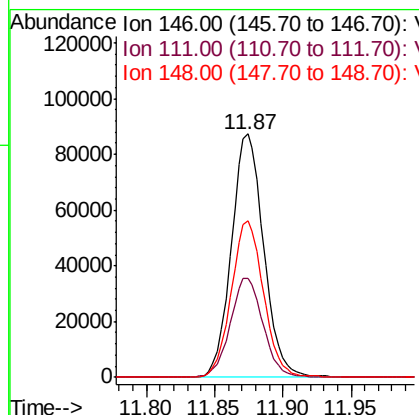
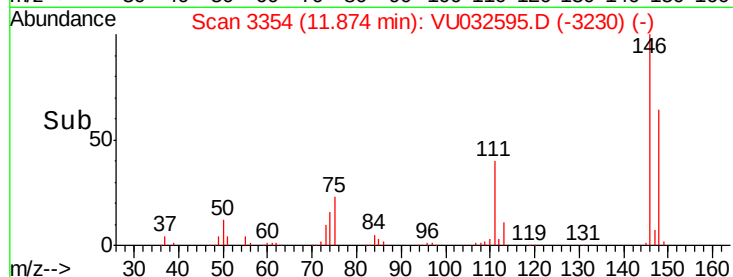
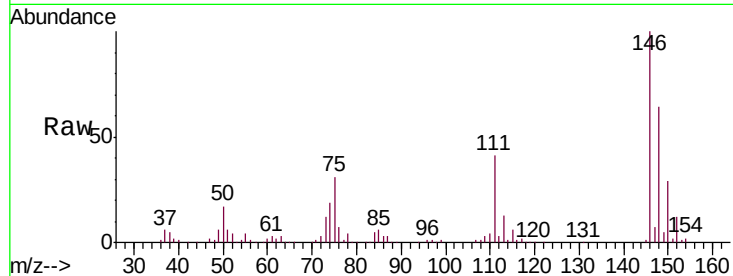




#65
 1,2-Dichlorobenzene
 Concen: 51.486 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

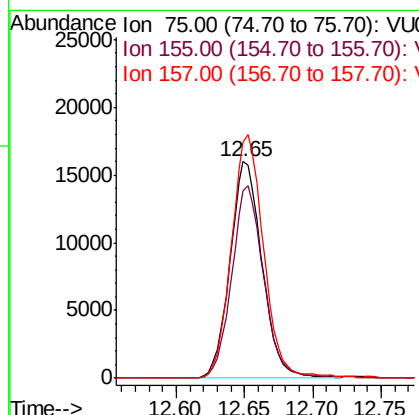
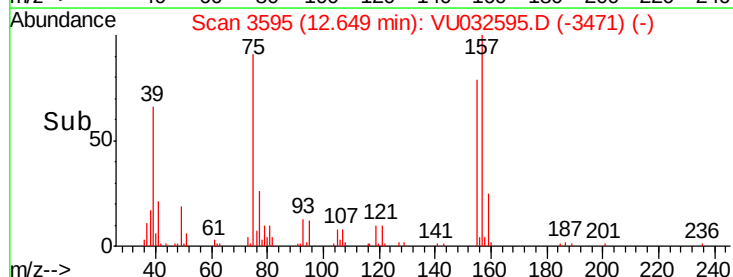
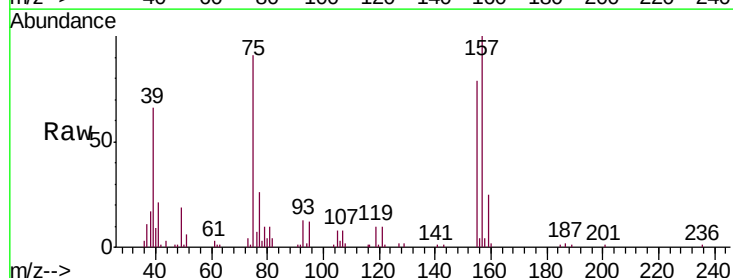
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

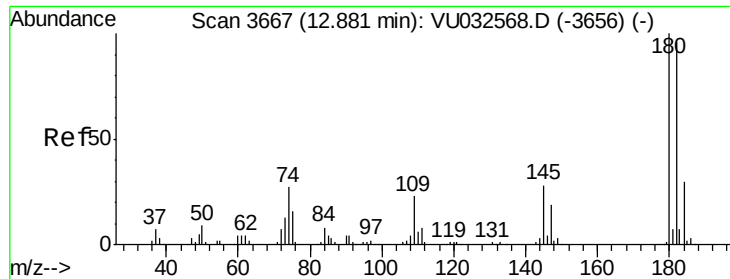
Tgt Ion: 146 Resp: 143241
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.6 48.8
 148 64.3 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.650 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

Tgt Ion: 75 Resp: 26049
 Ion Ratio Lower Upper
 75 100
 155 86.8 73.1 109.7
 157 109.4 91.4 137.2

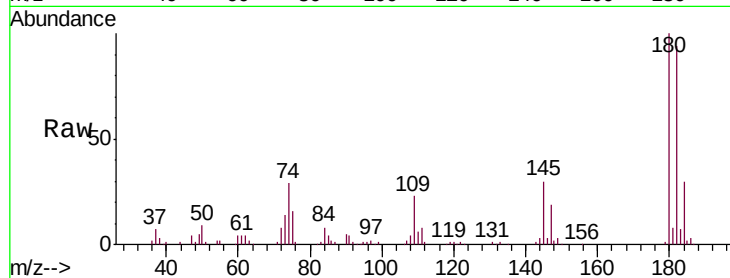




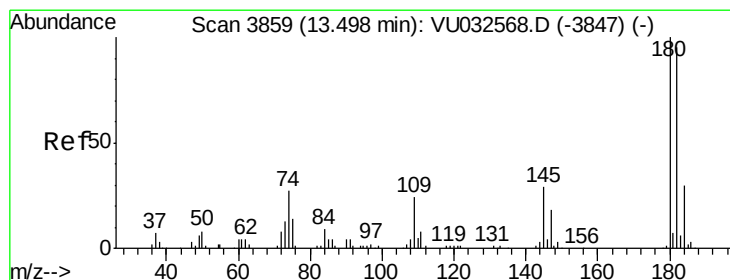
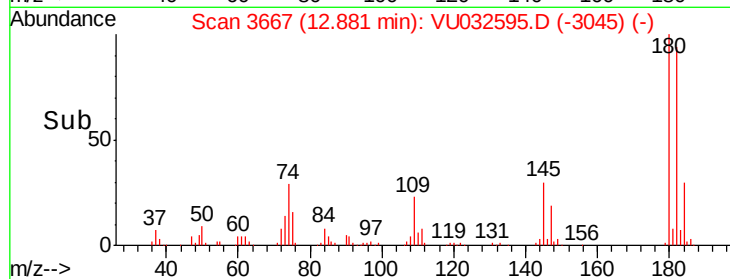
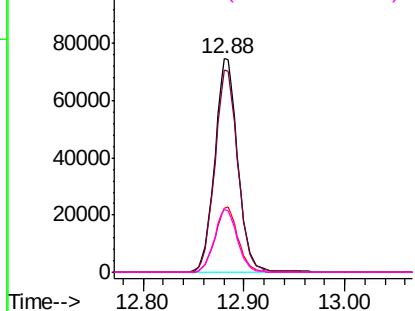
#67
 1,3,5-Trichlorobenzene
 Concen: 55.346 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05043

Tgt Ion:	180	Resp:	118495
Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.2	117.4
184	30.2	24.2	36.2
145	29.1	23.9	35.9

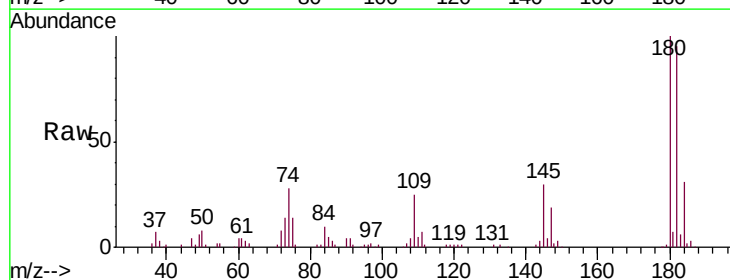


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

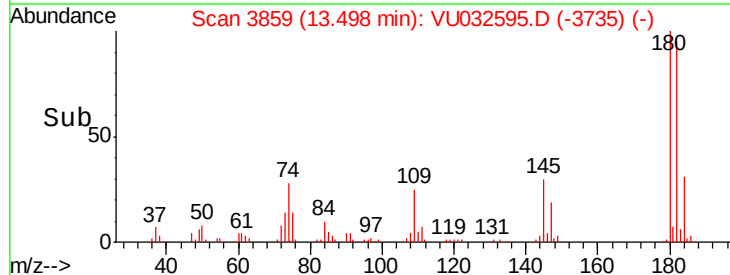
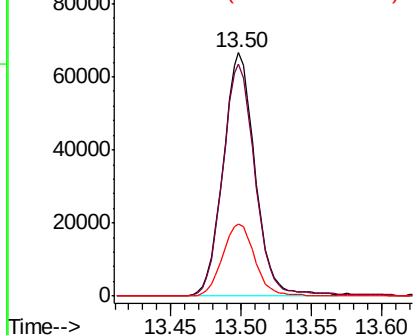


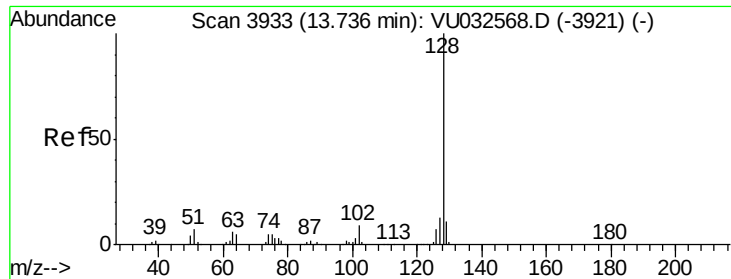
#68
 1,2,4-trichlorobenzene
 Concen: 58.163 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032595.D
 Acq: 11 Jun 2019 09:24

Tgt Ion:	180	Resp:	105495
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.5	114.7
145	29.7	23.8	35.6



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





#69

Naphthalene

Concen: 55.657 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD05043

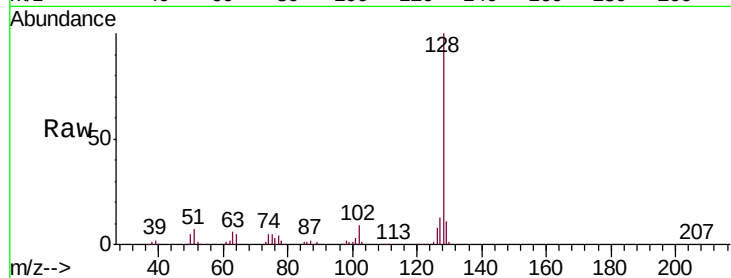
Tgt Ion:128 Resp: 318422

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

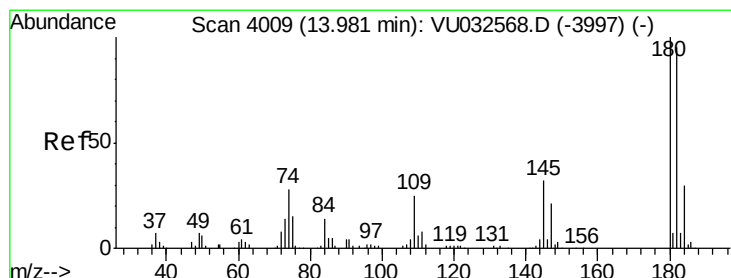
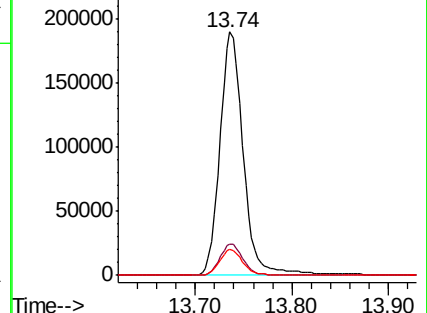
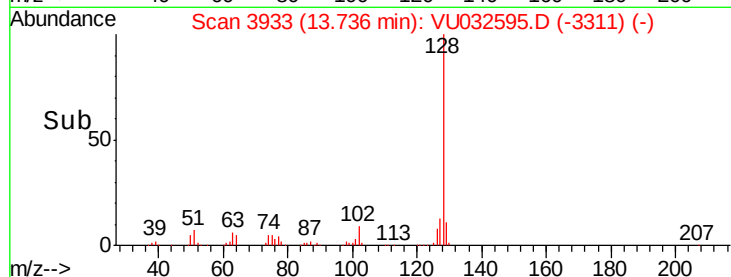
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 57.665 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032595.D

Acq: 11 Jun 2019 09:24

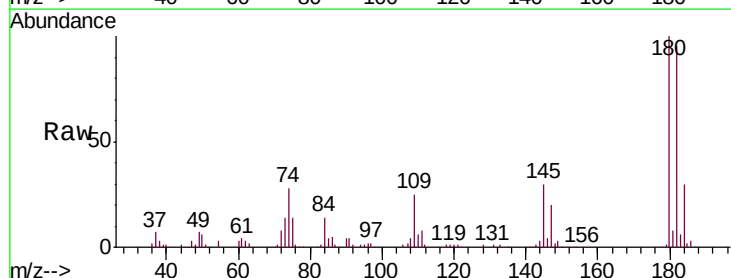
Tgt Ion:180 Resp: 108852

Ion Ratio Lower Upper

180 100

182 95.8 76.7 115.1

145 30.8 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

