

Data File : VU033332.D
Acq On : 19 Jul 2019 12:00
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Jul 19 22:47:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	275923	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	274550	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	137306	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	111206	53.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.48%
7) Chloroethane-d5	1.67	69	97538	54.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.32%
11) 1,1-Dichloroethene-d2	2.26	63	194117	51.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.48%
21) 2-Butanone-d5	4.15	46	155356	117.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.39%
24) Chloroform-d	4.62	84	186110	53.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.34%
26) 1,2-Dichloroethane-d4	5.29	65	120390	53.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.24%
32) Benzene-d6	5.32	84	372776	55.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.70%
36) 1,2-Dichloropropane-d6	6.31	67	116784	54.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.26%
41) Toluene-d8	7.55	98	346697	54.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.18%
43) trans-1,3-Dichloropropene-	7.83	79	58370	55.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	110.34%
47) 2-Hexanone-d5	8.29	63	111506	114.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.64%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	176570	54.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.14%
64) 1,2-Dichlorobenzene-d4	11.85	152	130789	53.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	132046	48.291 ug/L	99
3) Chloromethane	1.32	50	131497	48.814 ug/L	99
5) Vinyl chloride	1.40	62	151841	48.766 ug/L	99
6) Bromomethane	1.61	94	93472	48.155 ug/L	100
8) Chloroethane	1.69	64	93456	49.624 ug/L	97
9) Trichlorofluoromethane	1.87	101	203750	49.764 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	93511	49.677 ug/L	99
12) 1,1-Dichloroethene	2.27	96	88585	48.100 ug/L	97
13) Acetone	2.31	43	160665	97.162 ug/L	100
14) Carbon disulfide	2.46	76	257997	45.804 ug/L	99
15) Methyl Acetate	2.60	43	110453	51.151 ug/L	99
16) Methylene chloride	2.68	84	102380	48.688 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	91870	48.265 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	297020	50.554 ug/L	100
19) 1,1-Dichloroethane	3.42	63	184874	50.528 ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	107034	49.853 ug/L	95
22) 2-Butanone	4.23	43	188247	102.479 ug/L	99

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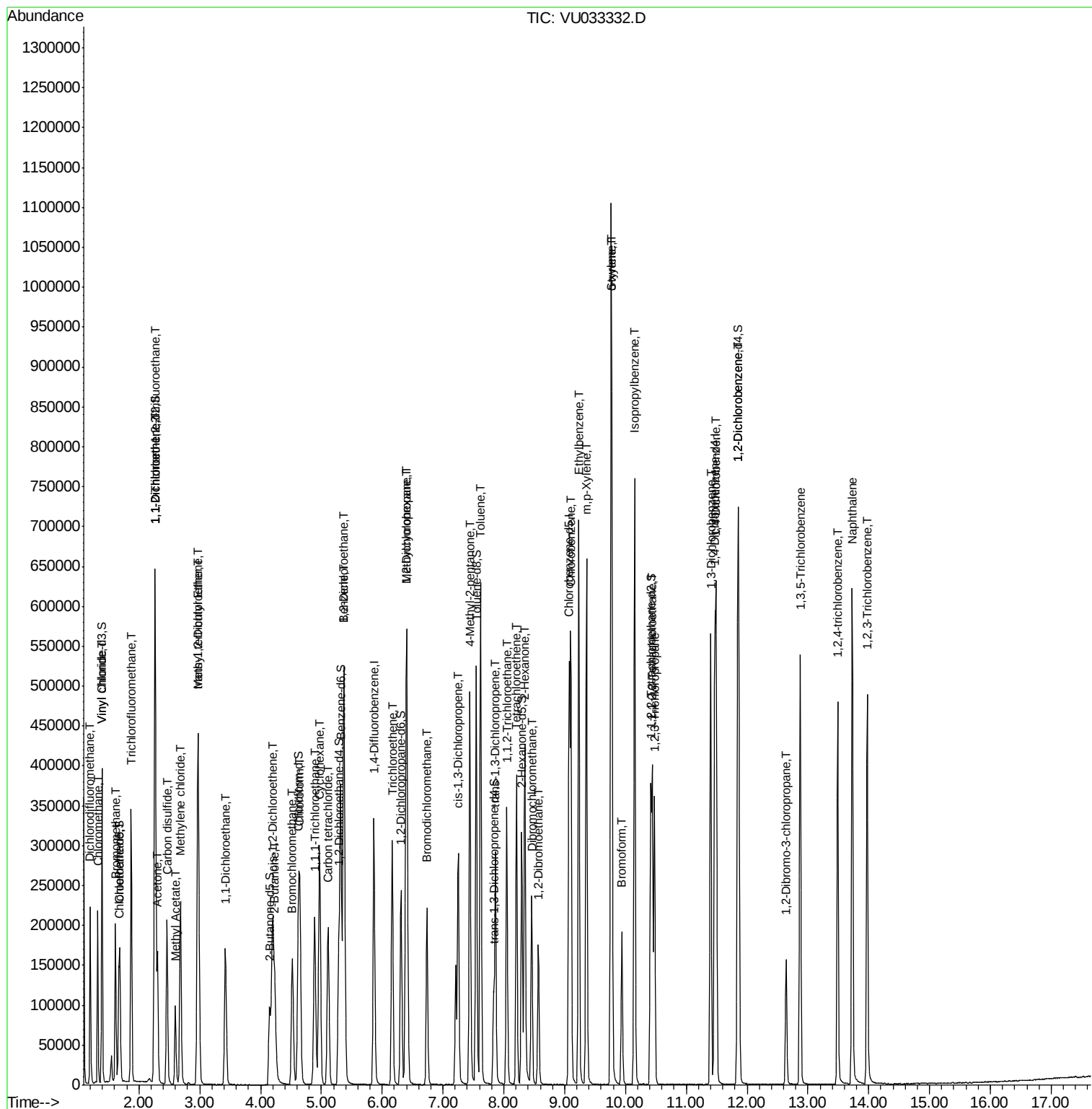
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	54607	49.670	ug/L	95
25) Chloroform	4.65	83	193163	49.639	ug/L	99
27) 1,2-Dichloroethane	5.38	62	157766	52.357	ug/L	99
29) Cyclohexane	4.97	56	159394	53.280	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	162293	50.668	ug/L	99
31) Carbon tetrachloride	5.11	117	144011	51.376	ug/L	98
33) Benzene	5.37	78	411782	51.430	ug/L	100
34) Trichloroethene	6.16	95	105973	50.609	ug/L	98
35) Methylcyclohexane	6.40	83	173129	53.974	ug/L	98
37) 1,2-Dichloropropane	6.41	63	112126	51.638	ug/L	99
38) Bromodichloromethane	6.74	83	145139	51.818	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	174820	52.511	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	316427	108.631	ug/L	99
42) Toluene	7.62	91	454773	52.685	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	159855	53.242	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	105523	51.384	ug/L	98
46) Tetrachloroethene	8.21	164	82041	50.612	ug/L	99
48) 2-Hexanone	8.34	43	264263	111.360	ug/L	98
49) Dibromochloromethane	8.46	129	118006	51.513	ug/L	99
50) 1,2-Dibromoethane	8.57	107	114525	51.148	ug/L	97
51) Chlorobenzene	9.10	112	284362	50.471	ug/L	98
52) Ethylbenzene	9.23	91	499335	54.060	ug/L	99
53) m,p-Xylene	9.36	106	188103	53.765	ug/L	100
54) o-xylene	9.76	106	186089	53.567	ug/L	100
55) Styrene	9.77	104	319127	54.183	ug/L	97
56) Isopropylbenzene	10.15	105	484425	54.190	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	184068	51.027	ug/L	97
59) 1,2,3-Trichloropropane	10.48	75	146814	51.937	ug/L	99
61) Bromoform	9.94	173	84263	50.249	ug/L	96
62) 1,3-Dichlorobenzene	11.40	146	219884	52.023	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	221587	50.141	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	223208	51.493	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	40914	49.453	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	164154	53.741	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	141982	53.215	ug/L	99
69) Naphthalene	13.73	128	478746	55.963	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	146143	50.453	ug/L	100

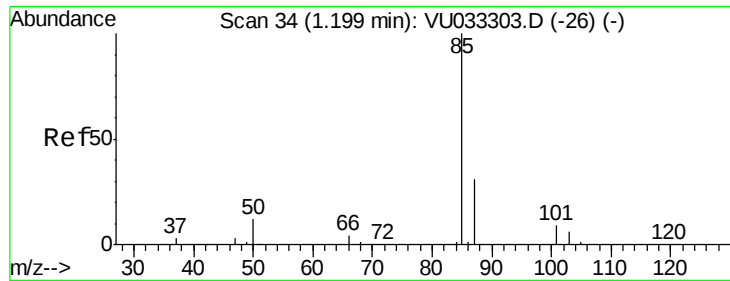
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.291 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

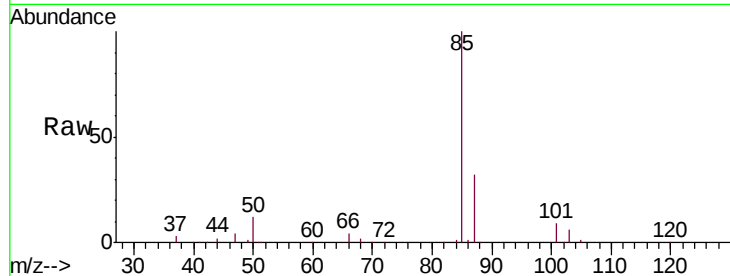
VSTD05053

Tgt Ion: 85 Resp: 132046

Ion Ratio Lower Upper

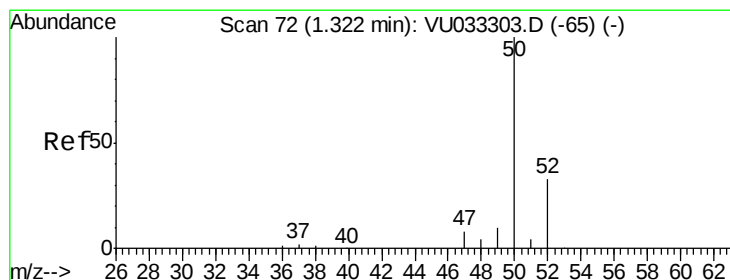
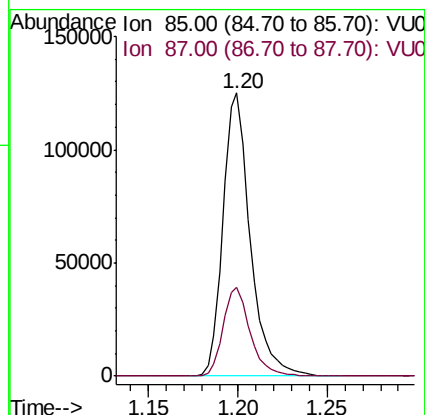
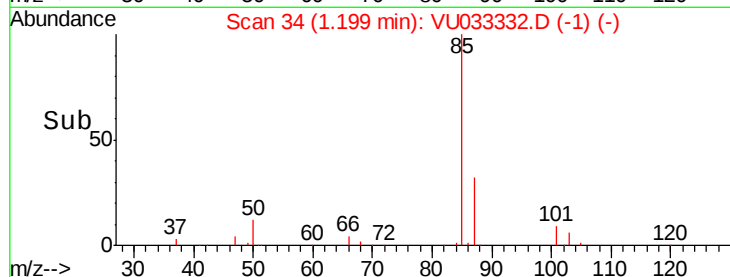
85 100

87 31.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033332.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033332.D (-1) (-)



#3

Chloromethane

Concen: 48.814 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033332.D

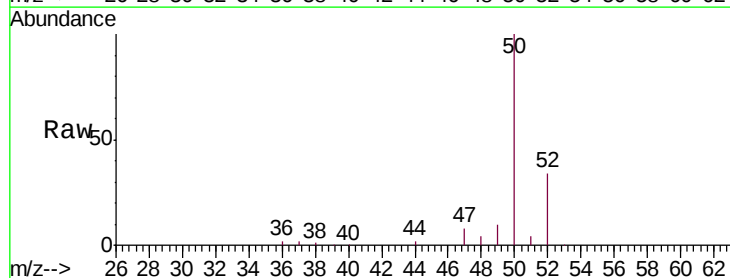
Acq: 19 Jul 2019 12:00

Tgt Ion: 50 Resp: 131497

Ion Ratio Lower Upper

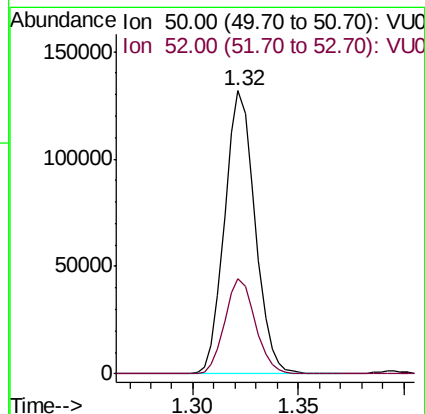
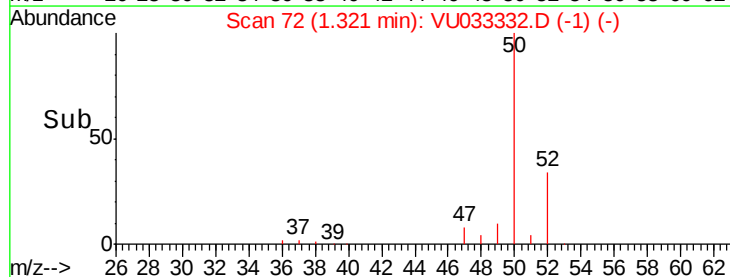
50 100

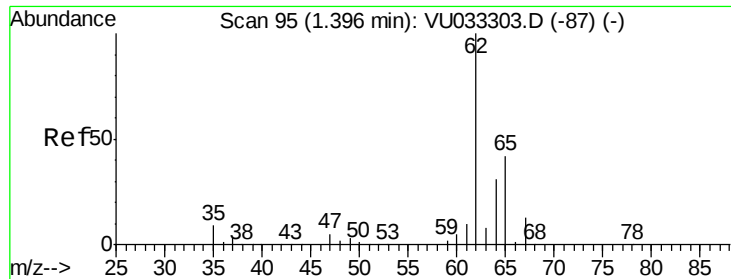
52 33.7 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU033332.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033332.D (-1) (-)





#5

Vinyl chloride

Concen: 48.766 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

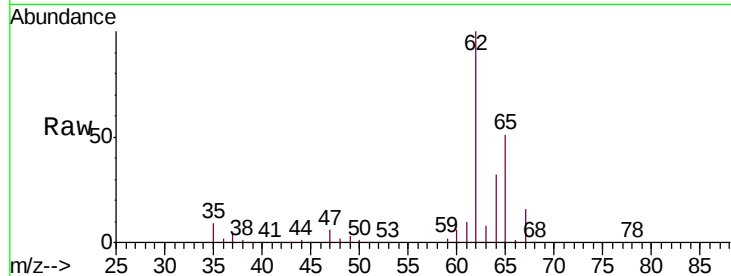
VSTD05053

Tgt Ion: 62 Resp: 151841

Ion Ratio Lower Upper

62 100

64 31.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU033332.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033332.D (-87) (-)

1.40

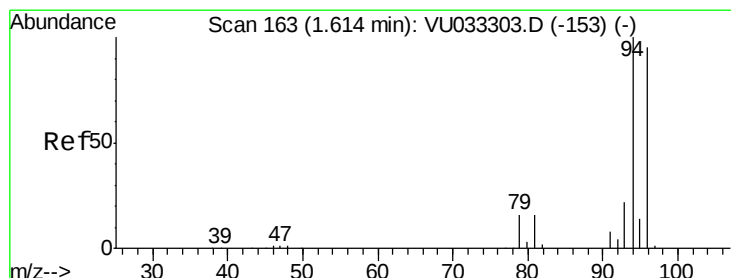
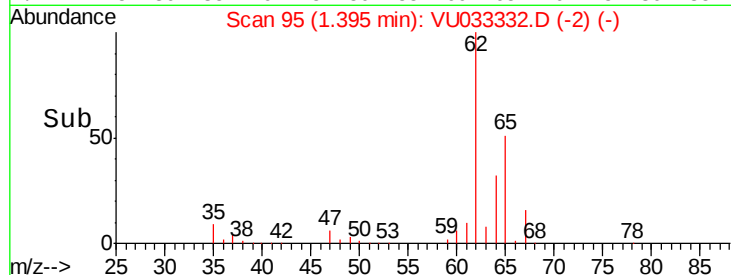
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.155 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU033332.D

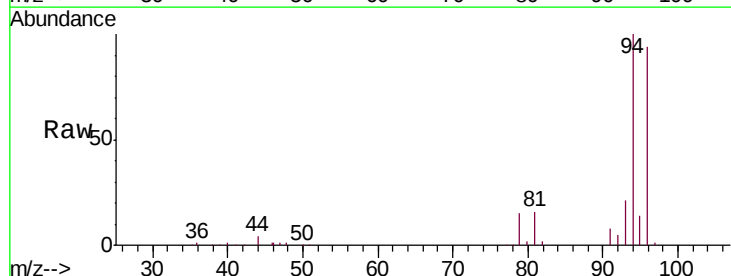
Acq: 19 Jul 2019 12:00

Tgt Ion: 94 Resp: 93472

Ion Ratio Lower Upper

94 100

96 94.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU033332.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU033332.D (-153) (-)

1.61

80000

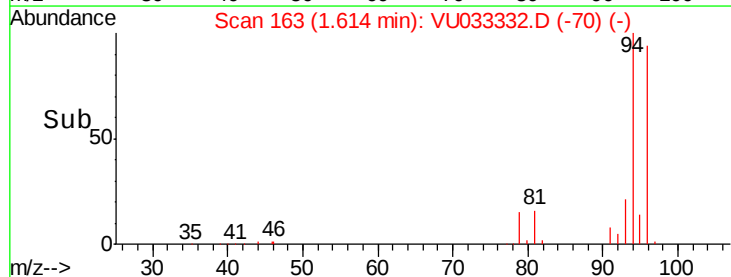
60000

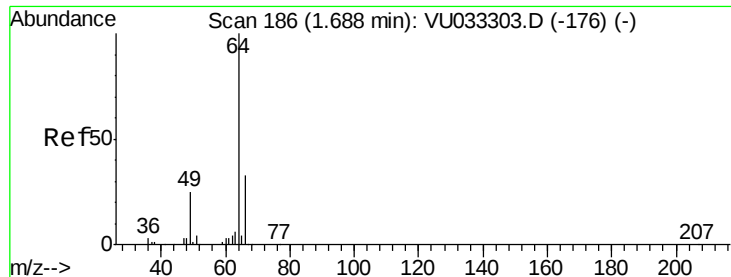
40000

20000

0

Time-->





#8

Chloroethane

Concen: 49.624 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

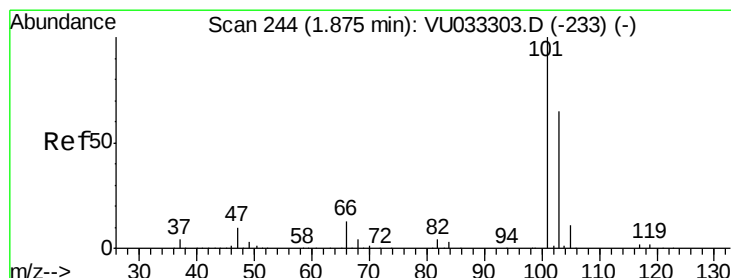
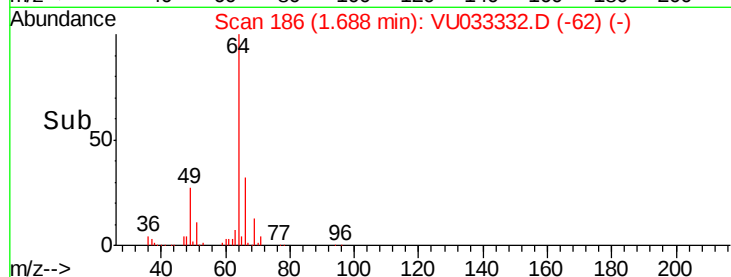
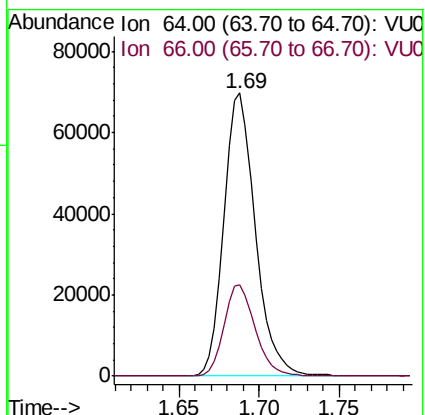
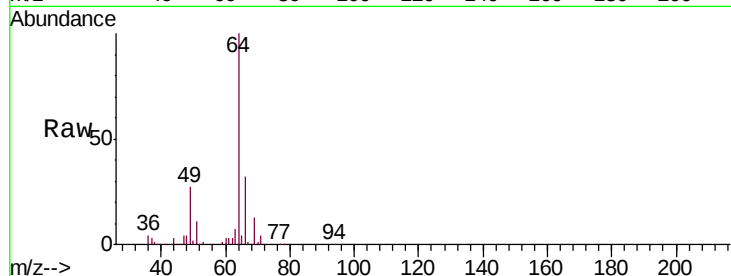
VSTD05053

Tgt Ion: 64 Resp: 93456

Ion Ratio Lower Upper

64 100

66 32.4 21.6 40.0



#9

Trichlorofluoromethane

Concen: 49.764 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033332.D

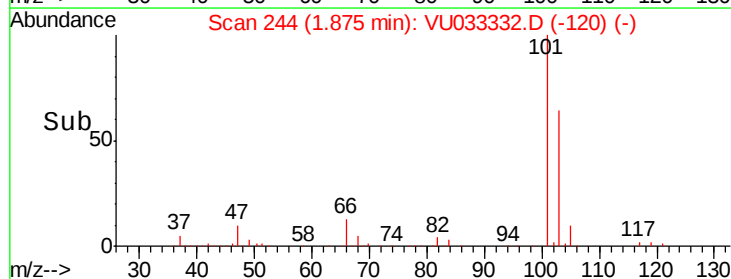
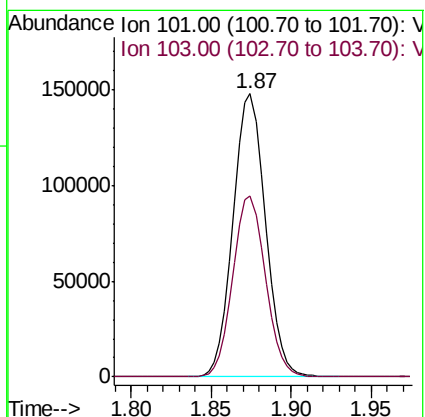
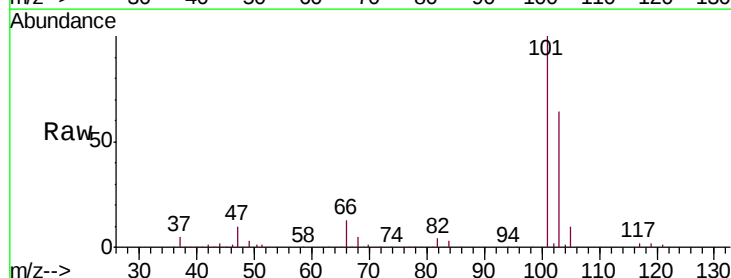
Acq: 19 Jul 2019 12:00

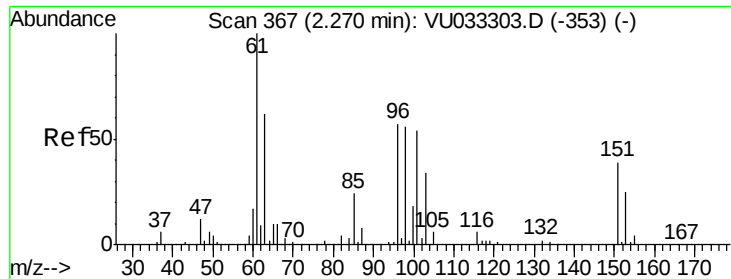
Tgt Ion: 101 Resp: 203750

Ion Ratio Lower Upper

101 100

103 64.5 52.2 78.4





#10

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

Concen: 49.677 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

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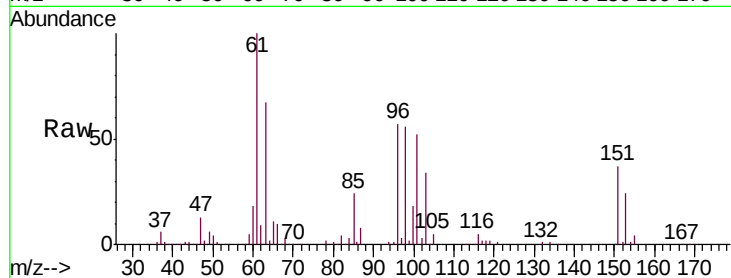
Tgt Ion:101 Resp: 93511

Ion Ratio Lower Upper

101 100

85 45.5 35.8 53.8

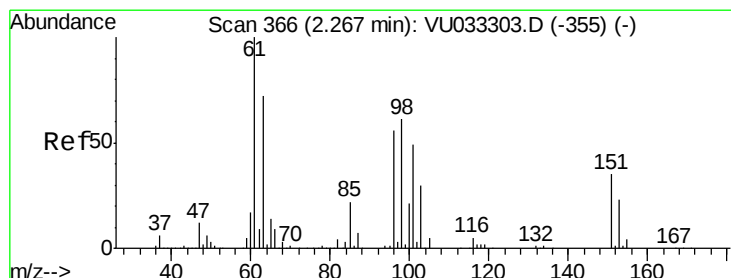
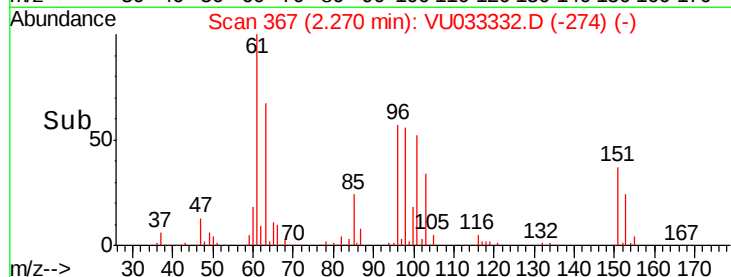
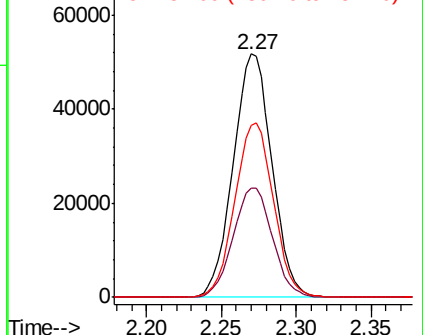
151 71.4 56.7 85.1



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: 48.100 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

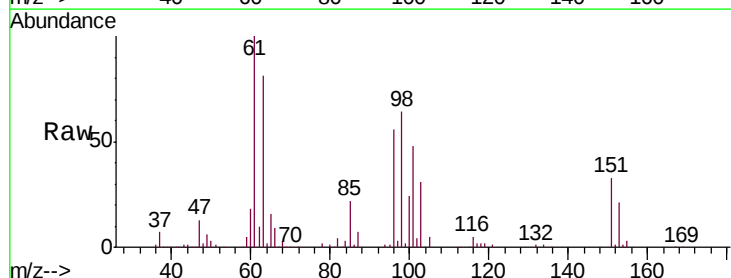
Tgt Ion: 96 Resp: 88585

Ion Ratio Lower Upper

96 100

61 178.5 126.1 234.1

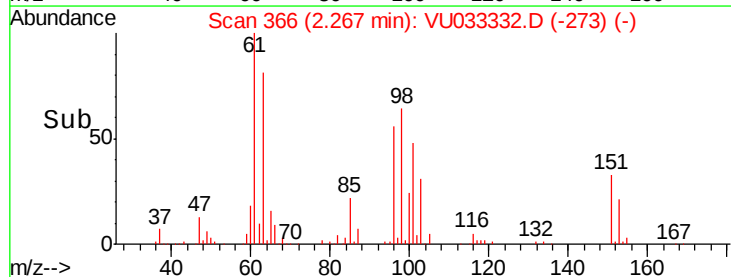
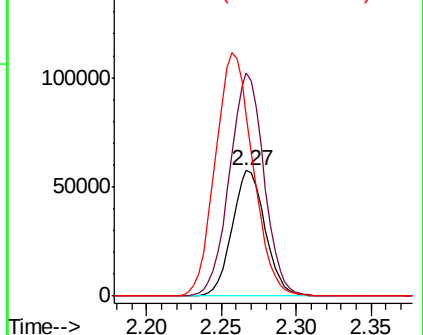
63 144.7 96.8 179.8

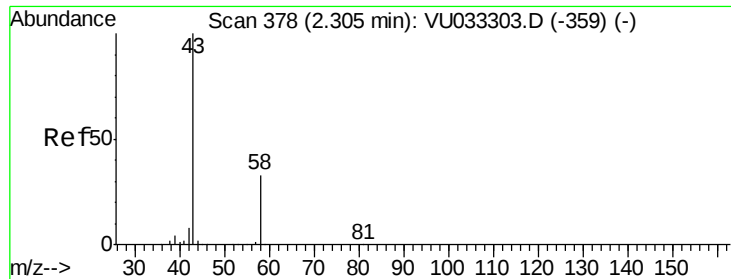


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.162 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

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MSVOA_U

ClientSampleId :

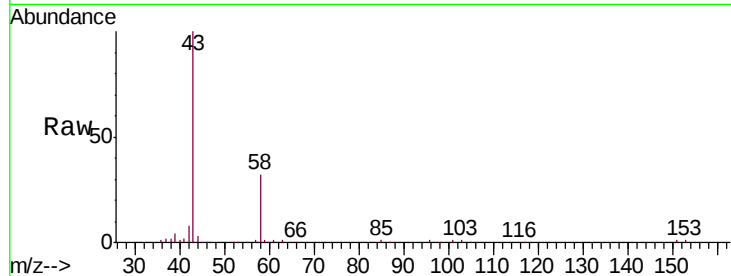
VSTD05053

Tgt Ion: 43 Resp: 160665

Ion Ratio Lower Upper

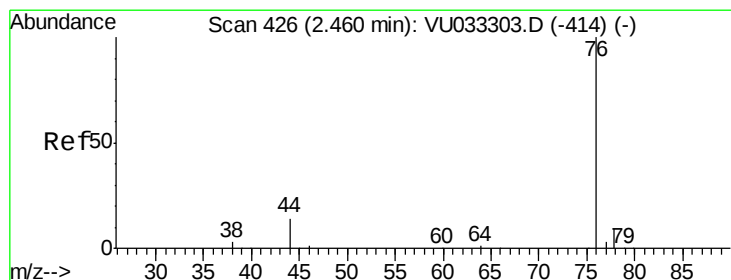
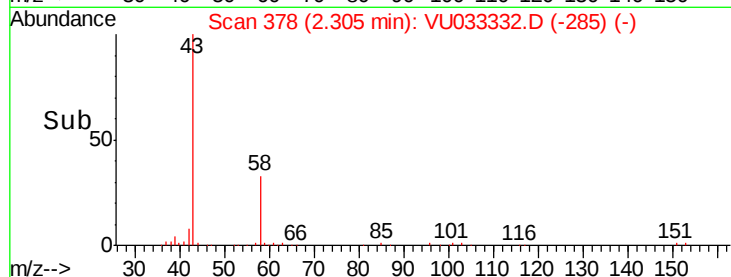
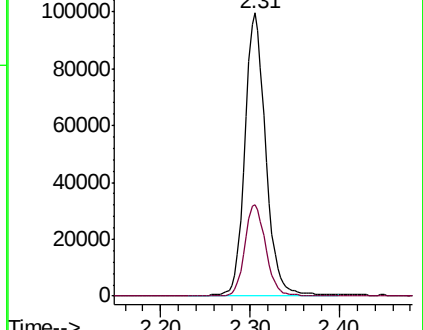
43 100

58 32.6 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033332.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU033332.D (-359) (-)



#14

Carbon disulfide

Concen: 45.804 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033332.D

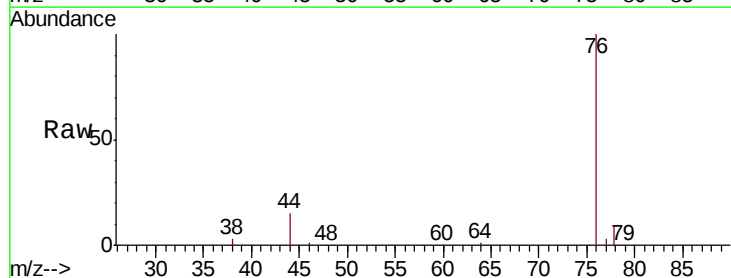
Acq: 19 Jul 2019 12:00

Tgt Ion: 76 Resp: 257997

Ion Ratio Lower Upper

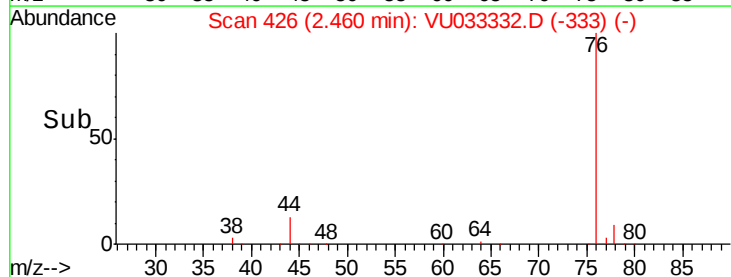
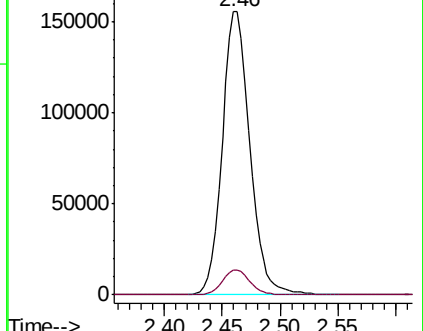
76 100

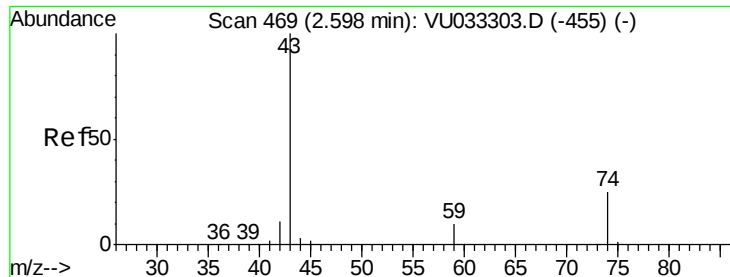
78 8.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033332.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033332.D (-414) (-)

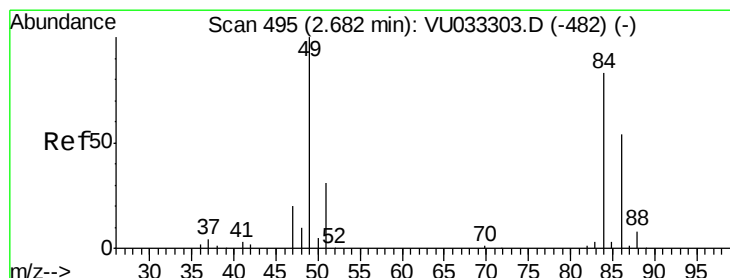
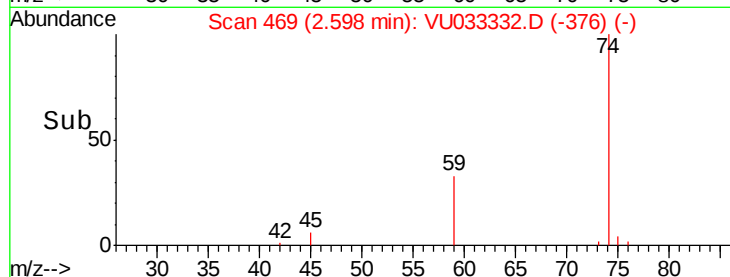
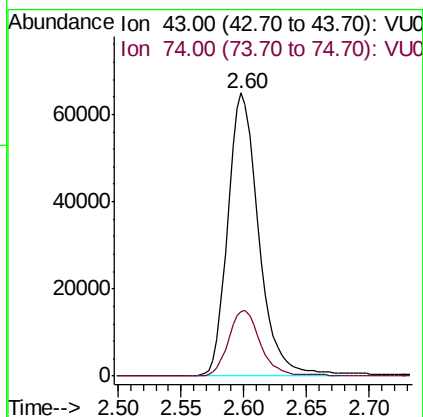
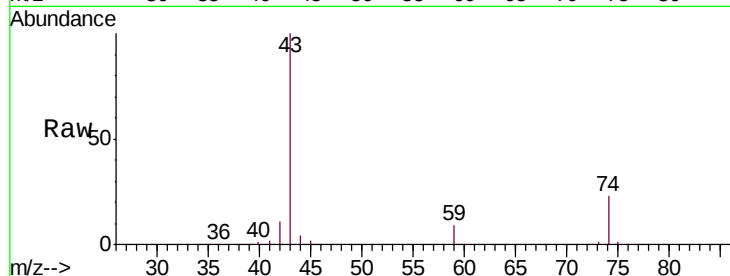




#15
Methyl Acetate
Concen: 51.151 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

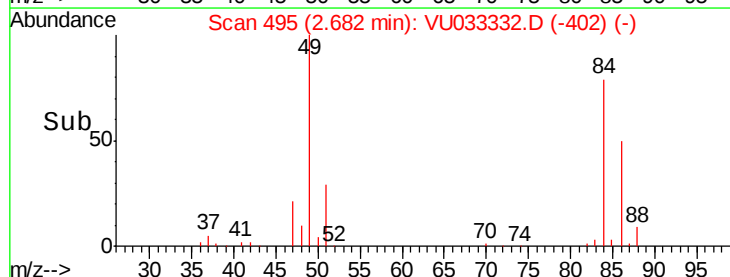
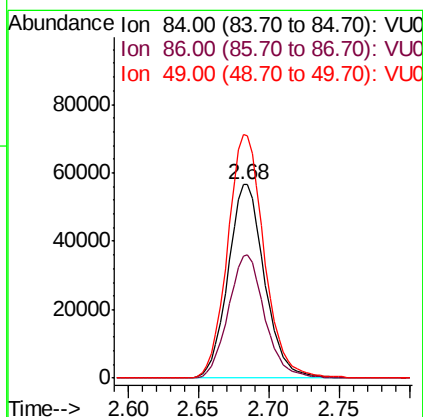
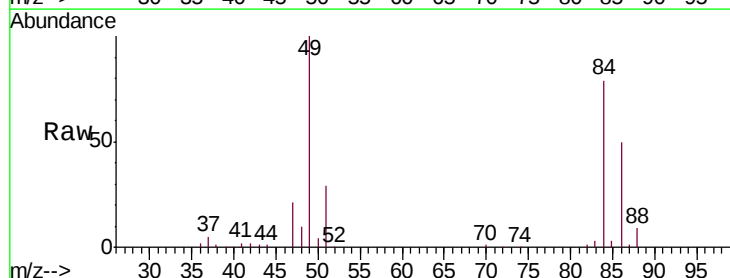
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

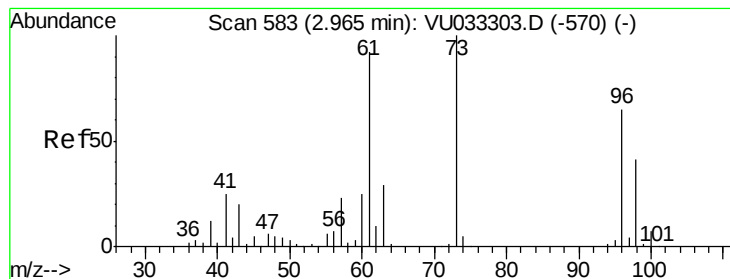
Tgt Ion: 43 Resp: 110453
Ion Ratio Lower Upper
43 100
74 24.2 19.9 29.9



#16
Methylene chloride
Concen: 48.688 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Tgt Ion: 84 Resp: 102380
Ion Ratio Lower Upper
84 100
86 62.8 45.7 84.9
49 125.8 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 48.265 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

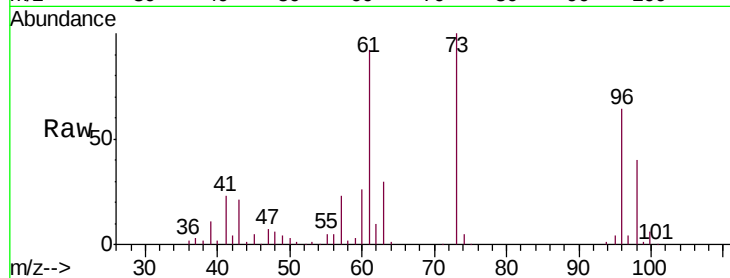
Tgt Ion: 96 Resp: 91870

Ion Ratio Lower Upper

96 100

61 144.2 100.2 186.2

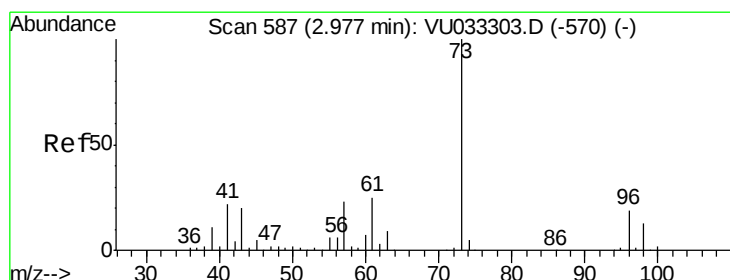
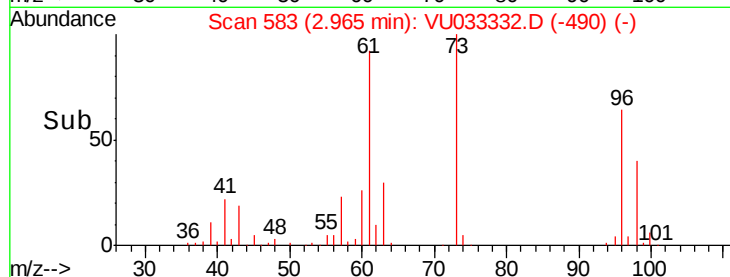
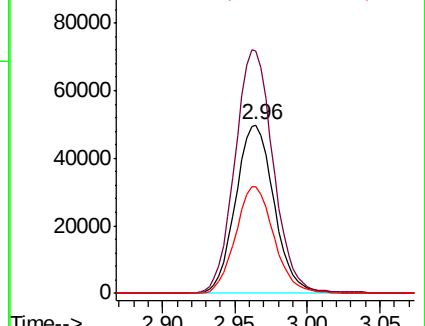
98 63.3 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU033332.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033332.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033332.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 50.554 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

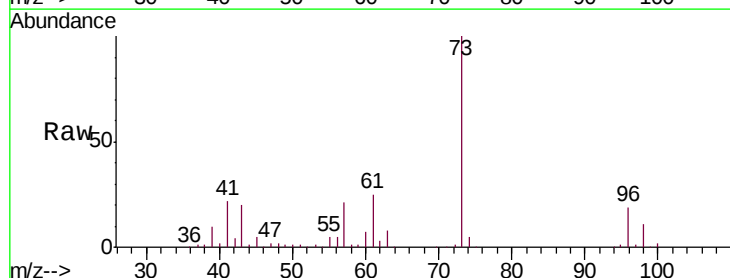
Tgt Ion: 73 Resp: 297020

Ion Ratio Lower Upper

73 100

43 19.8 15.7 23.5

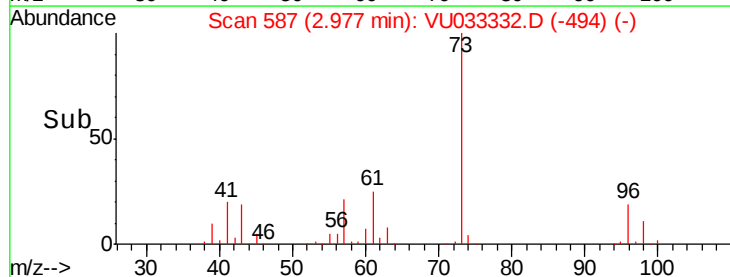
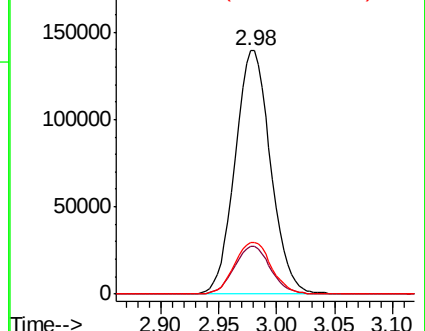
57 22.0 17.8 26.6

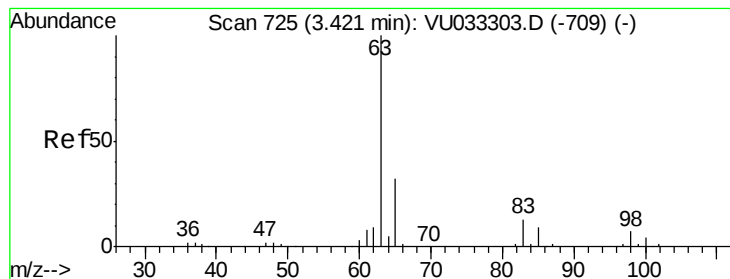


Abundance Ion 73.00 (72.70 to 73.70): VU033332.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033332.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033332.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 50.528 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampled :

VSTD05053

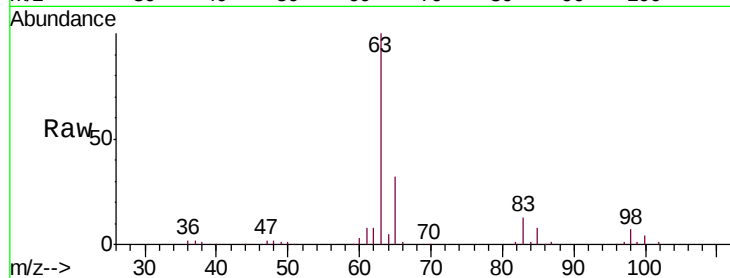
Tgt Ion: 63 Resp: 184874

Ion Ratio Lower Upper

63 100

65 31.9 22.3 41.5

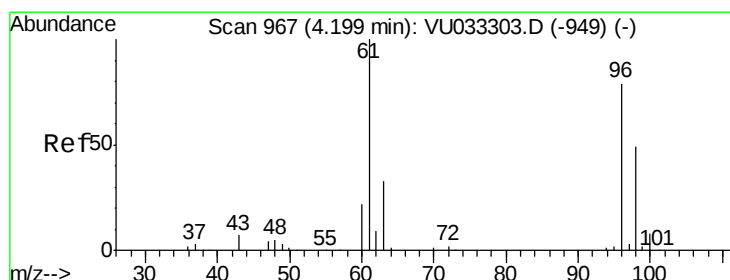
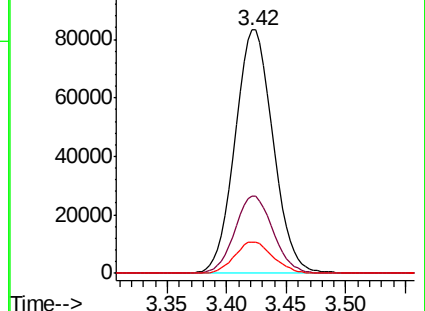
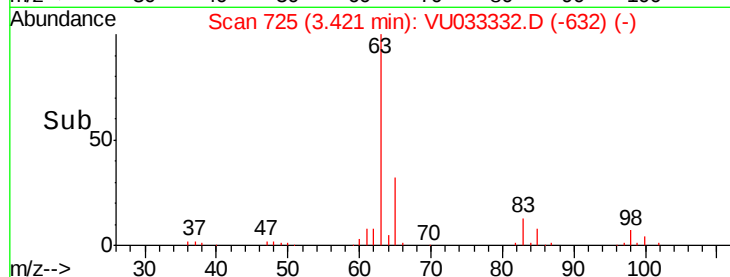
83 13.0 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU033332.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033332.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033332.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.853 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

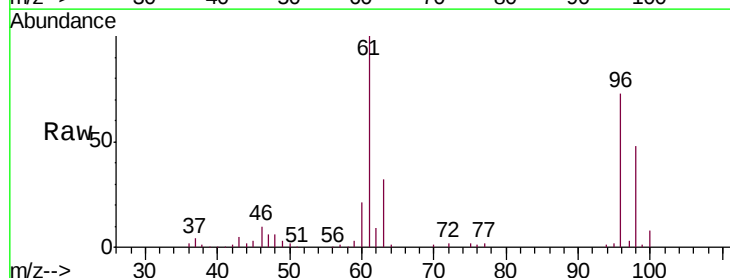
Tgt Ion: 96 Resp: 107034

Ion Ratio Lower Upper

96 100

61 136.2 91.1 169.1

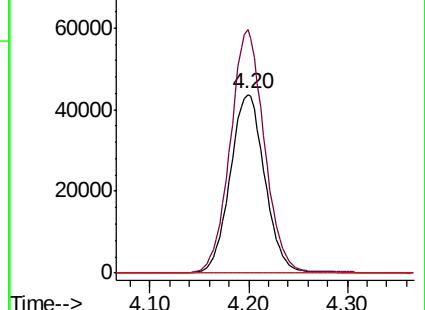
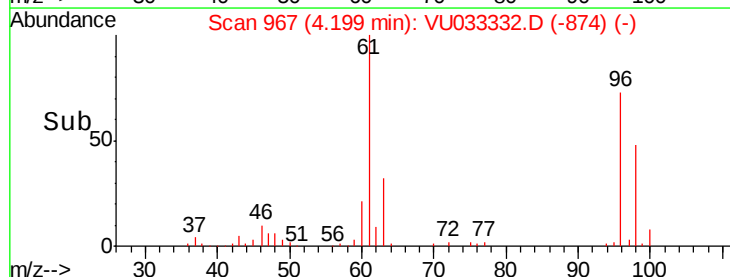
68 0.0 0.0 0.0

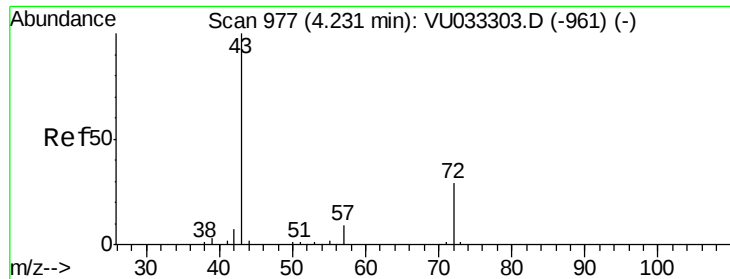


Abundance Ion 96.00 (95.70 to 96.70): VU033332.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033332.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033332.D (-874) (-)





#22

2-Butanone

Concen: 102.479 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

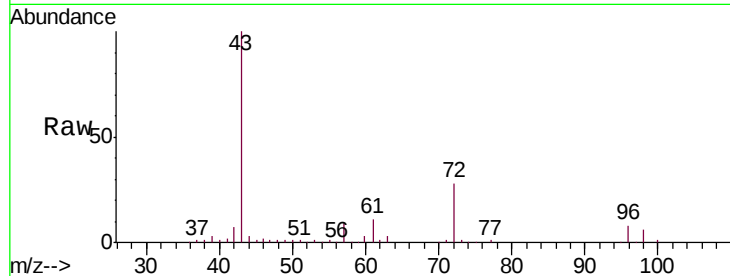
VSTD05053

Tgt Ion: 43 Resp: 188247

Ion Ratio Lower Upper

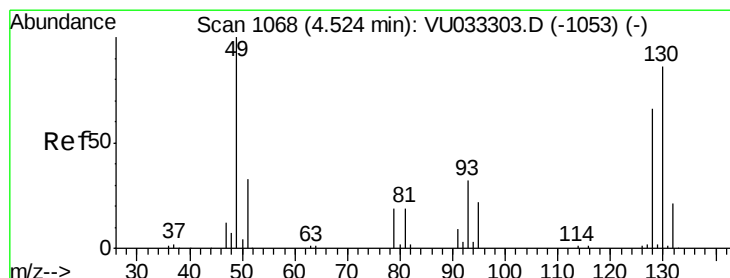
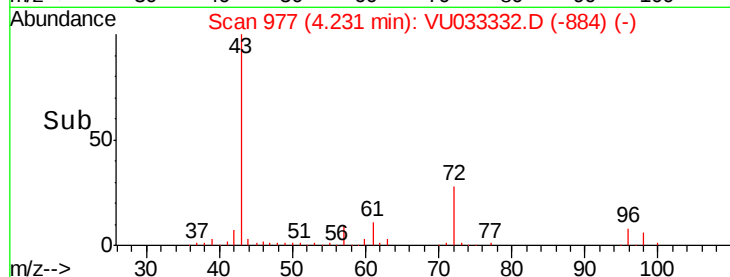
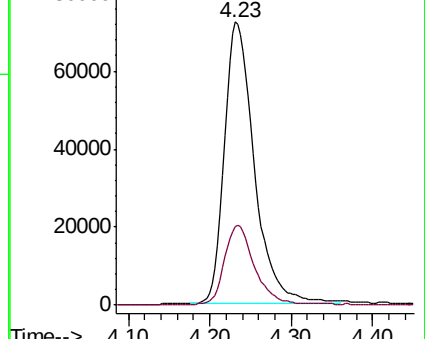
43 100

72 28.4 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033332.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU033332.D (-961) (-)



#23

Bromochloromethane

Concen: 49.670 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Tgt Ion: 128 Resp: 54607

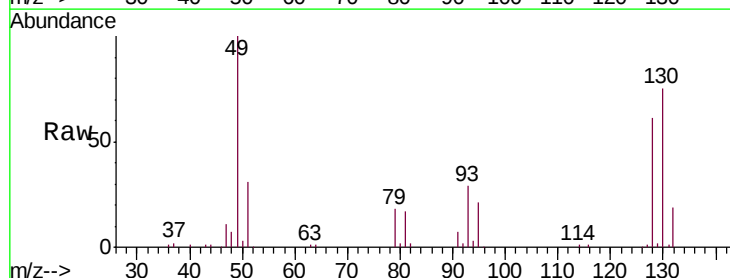
Ion Ratio Lower Upper

128 100

49 165.2 107.2 199.2

130 124.0 87.0 161.6

51 51.6 39.6 59.4

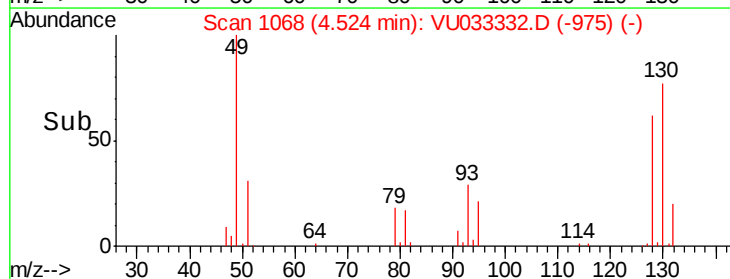
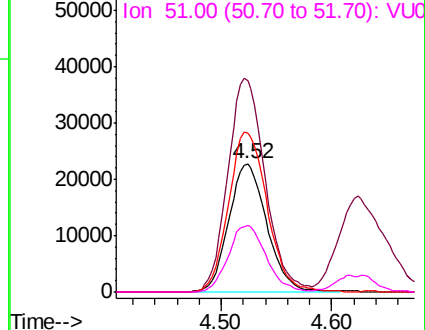


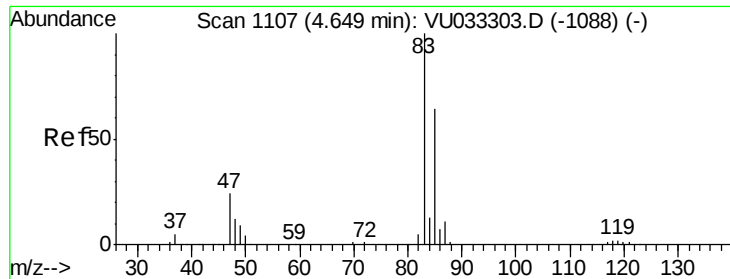
Abundance Ion 128.00 (127.70 to 128.70): VU033332.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU033332.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU033332.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU033332.D (-1053) (-)

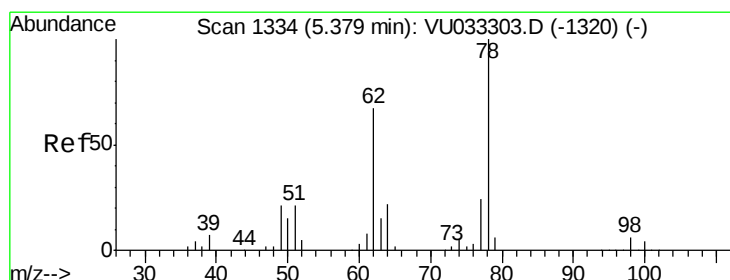
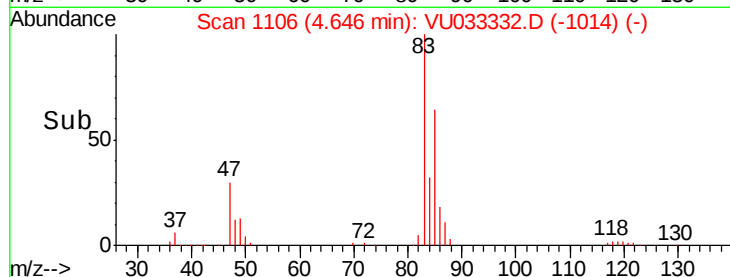
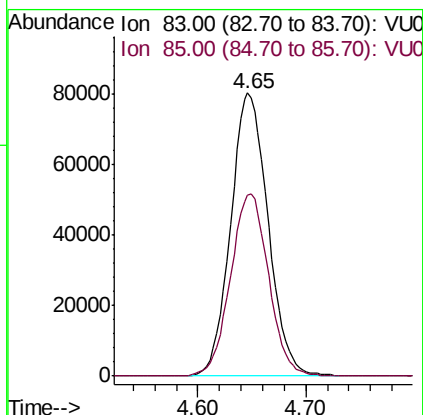
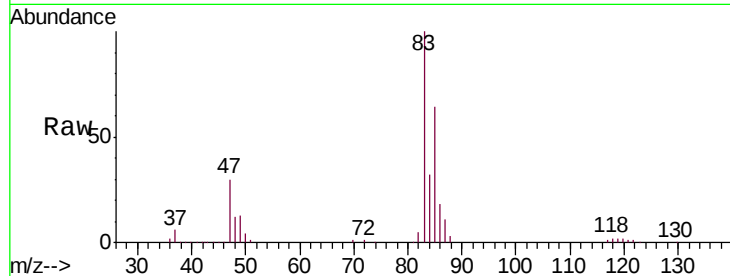




#25
Chloroform
Concen: 49.639 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

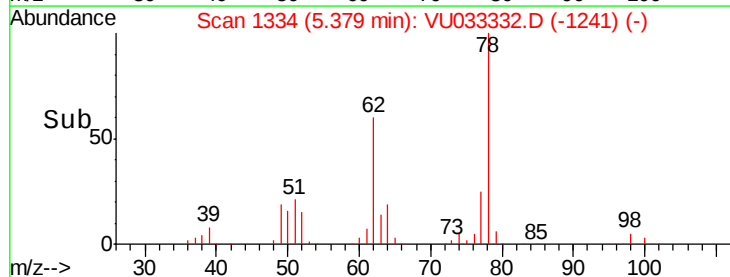
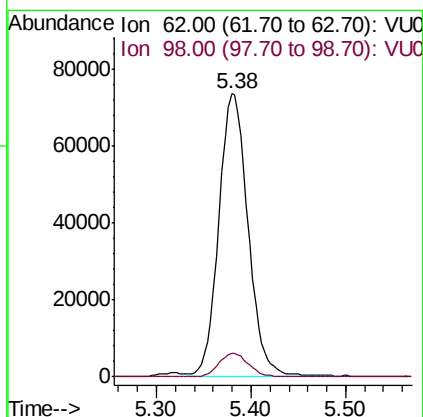
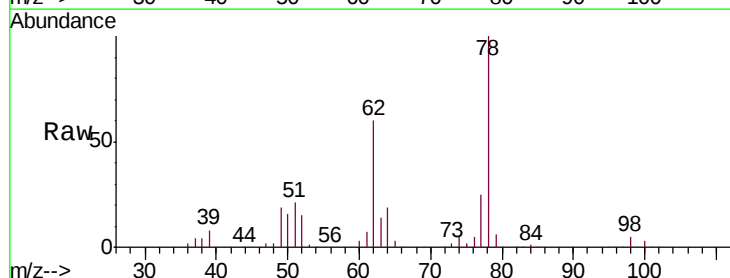
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

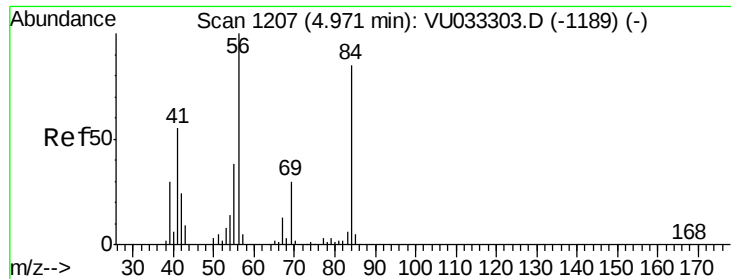
Tgt Ion: 83 Resp: 193163
Ion Ratio Lower Upper
83 100
85 63.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 52.357 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Tgt Ion: 62 Resp: 157766
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.6

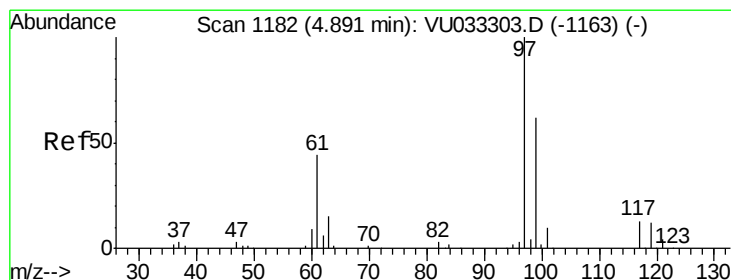
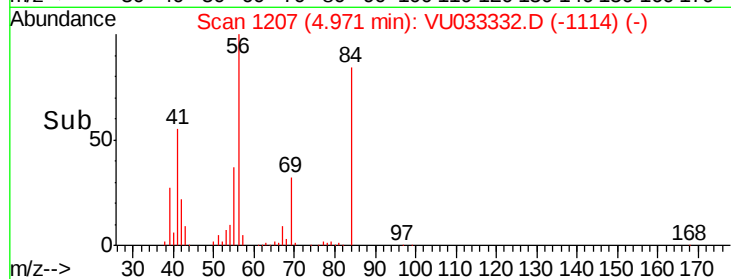
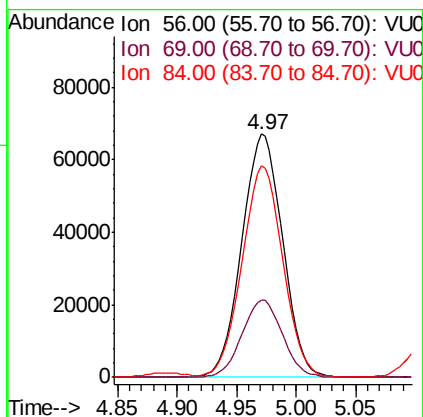
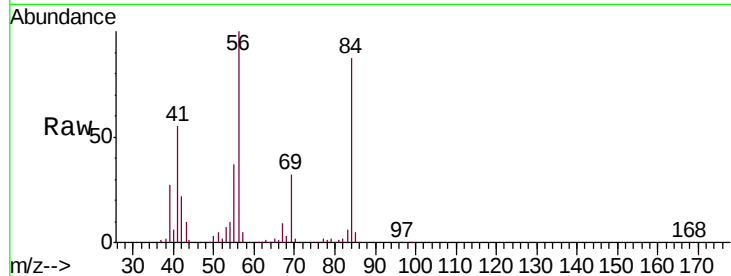




#29
Cyclohexane
Concen: 53.280 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

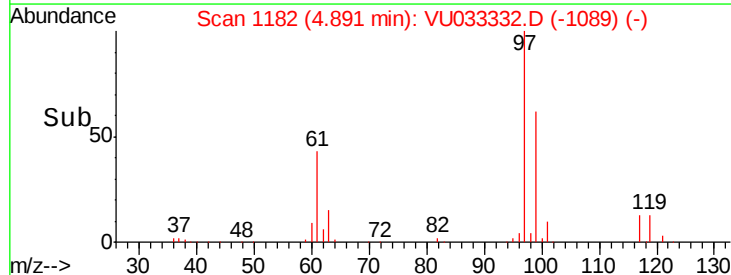
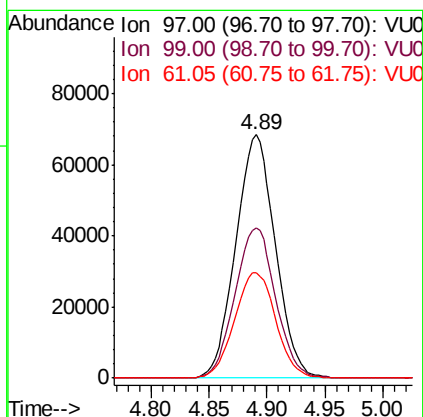
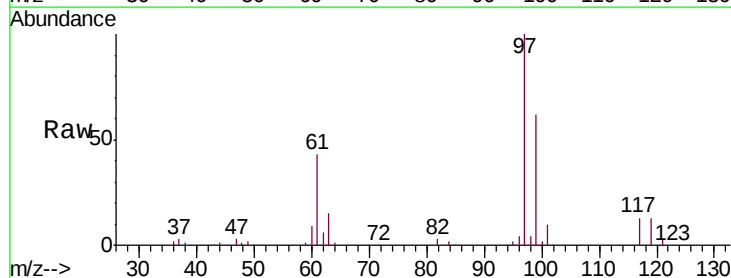
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

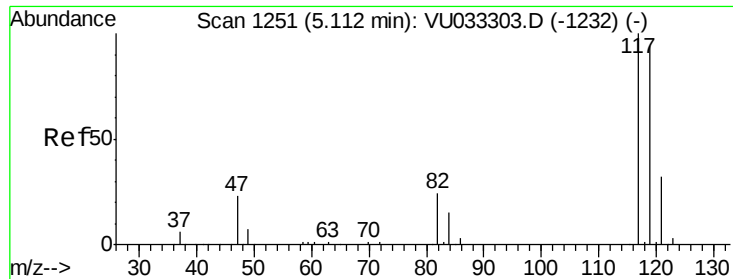
Tgt Ion: 56 Resp: 159394
Ion Ratio Lower Upper
56 100
69 31.4 24.7 37.1
84 87.2 70.2 105.2



#30
1,1,1-Trichloroethane
Concen: 50.668 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Tgt Ion: 97 Resp: 162293
Ion Ratio Lower Upper
97 100
99 63.2 51.5 77.3
61 45.2 36.4 54.6





#31

Carbon tetrachloride

Concen: 51.376 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

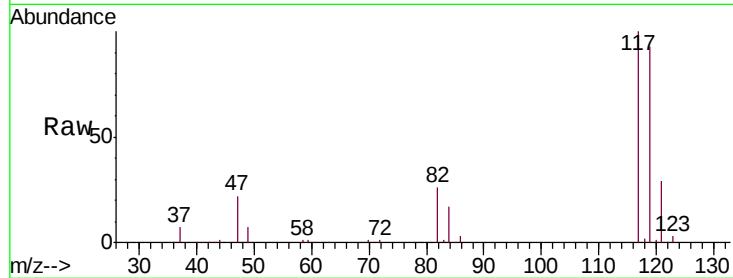
VSTD05053

Tgt Ion:117 Resp: 144011

Ion Ratio Lower Upper

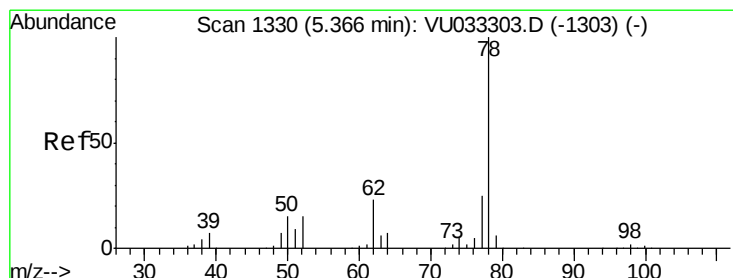
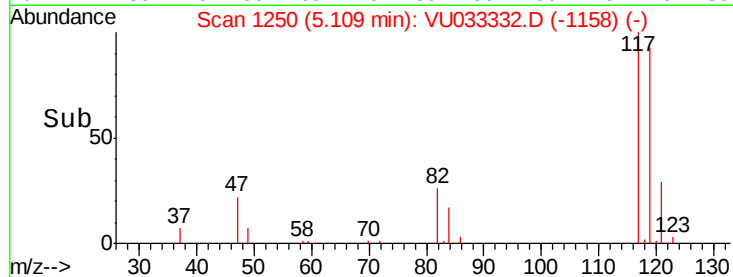
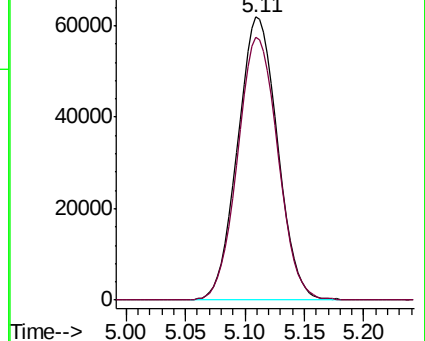
117 100

119 93.7 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.430 ug/L

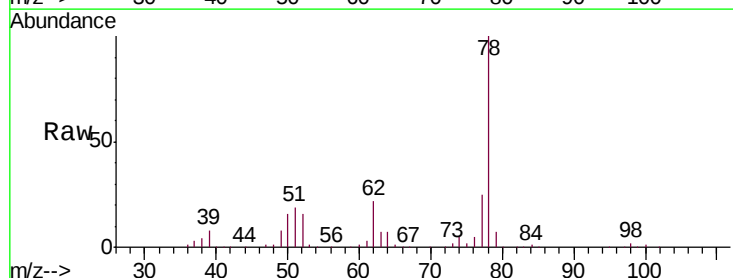
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

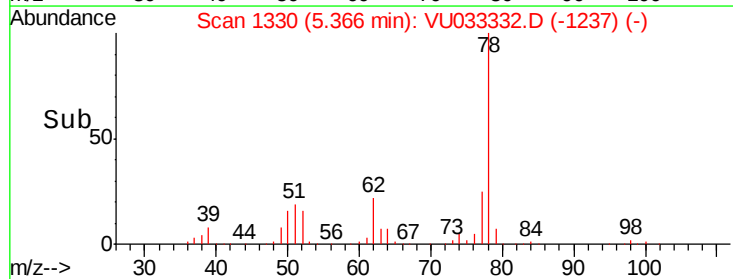
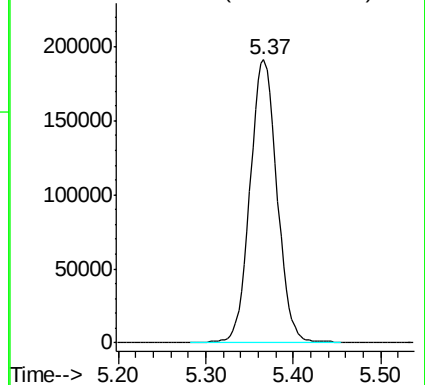
Lab File: VU033332.D

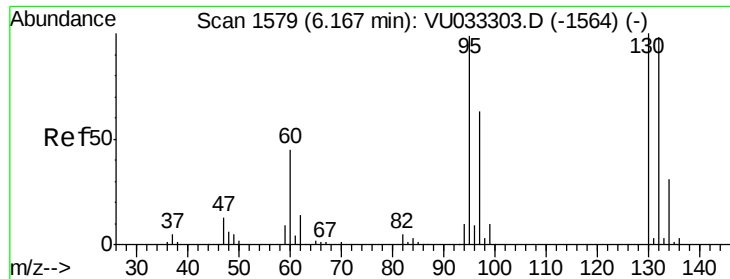
Acq: 19 Jul 2019 12:00

Tgt Ion: 78 Resp: 411782



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.609 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

Tgt Ion: 95 Resp: 105973

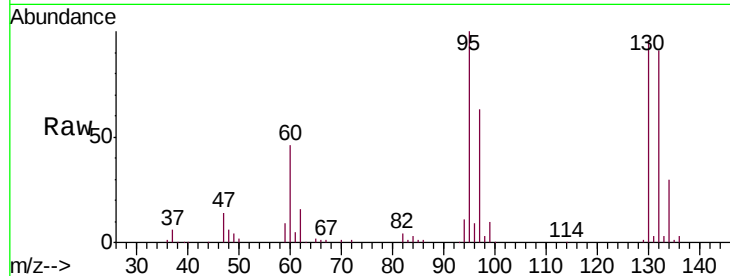
Ion Ratio Lower Upper

95 100

97 63.3 43.8 81.4

132 91.0 65.5 121.6

130 96.5 69.7 129.5

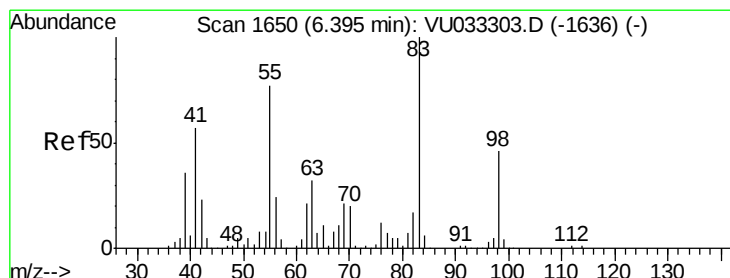
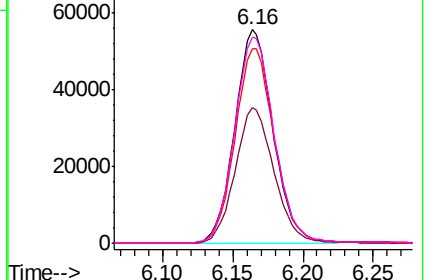
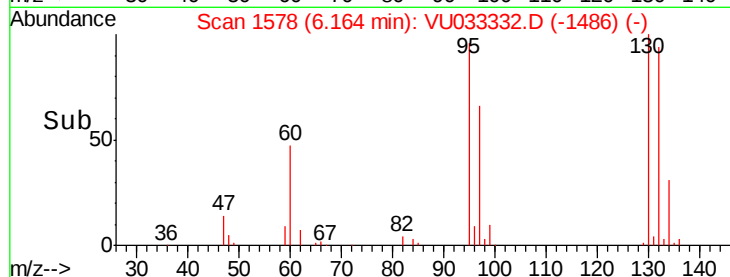


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 53.974 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

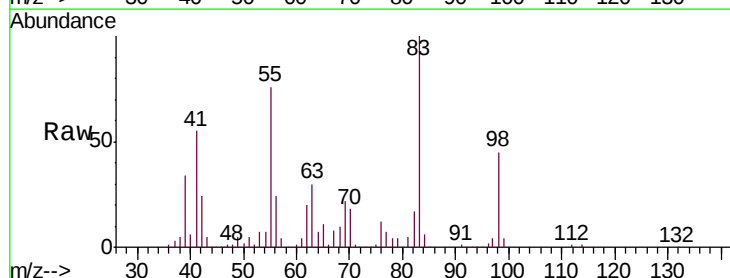
Tgt Ion: 83 Resp: 173129

Ion Ratio Lower Upper

83 100

55 76.9 60.5 90.7

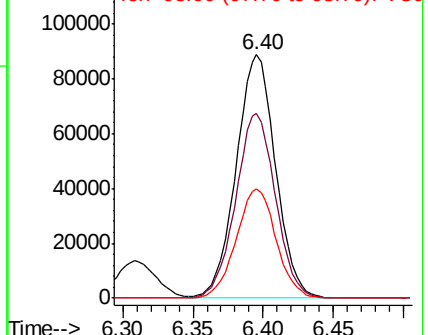
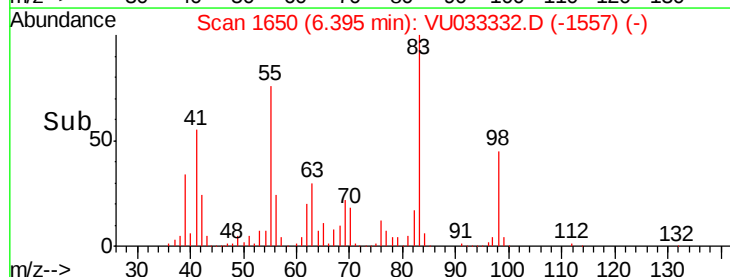
98 45.6 37.4 56.0

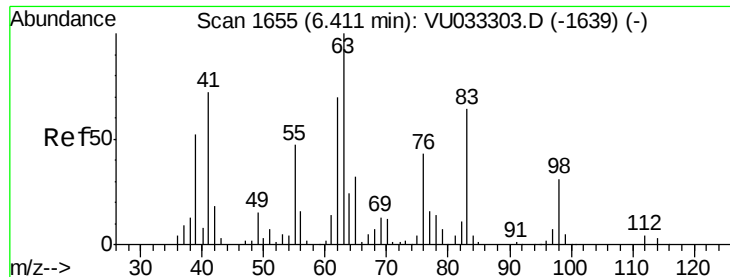


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

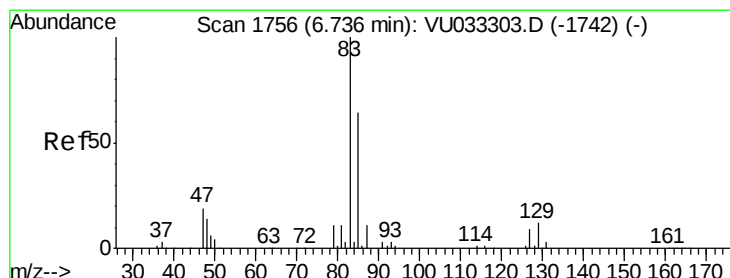
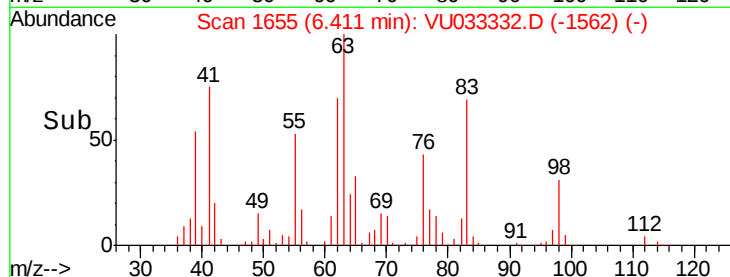
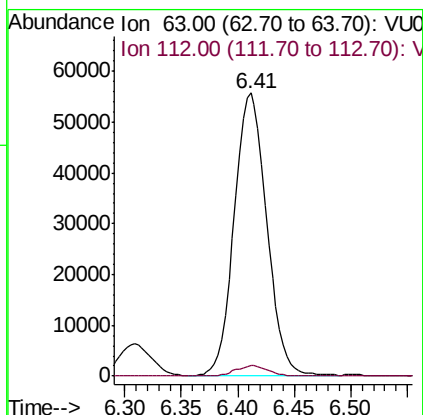
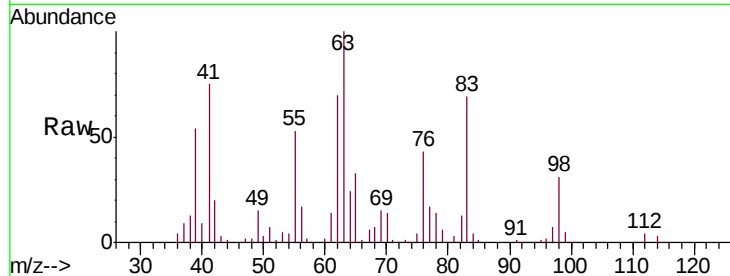




#37
 1,2-Dichloropropane
 Concen: 51.638 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033332.D
 Acq: 19 Jul 2019 12:00

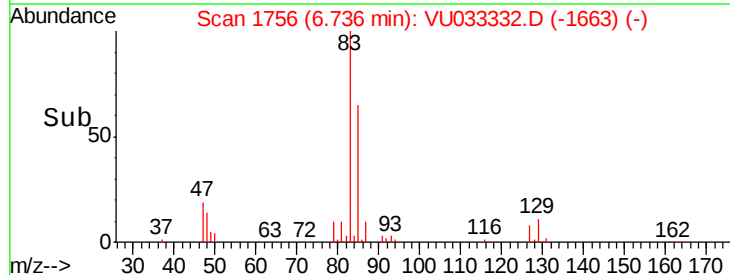
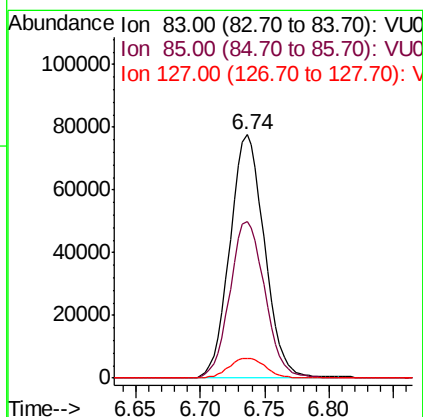
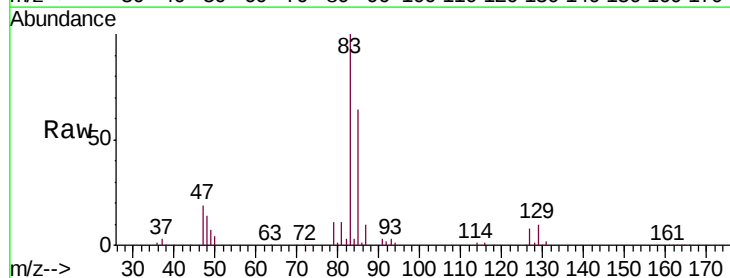
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

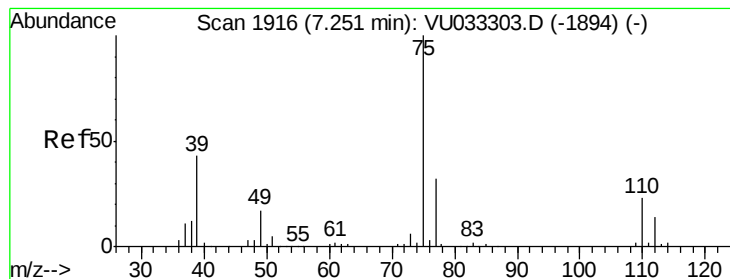
Tgt Ion: 63 Resp: 112126
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.2 4.8



#38
 Bromodichloromethane
 Concen: 51.818 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033332.D
 Acq: 19 Jul 2019 12:00

Tgt Ion: 83 Resp: 145139
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.8 85.0
 127 7.9 6.8 10.2



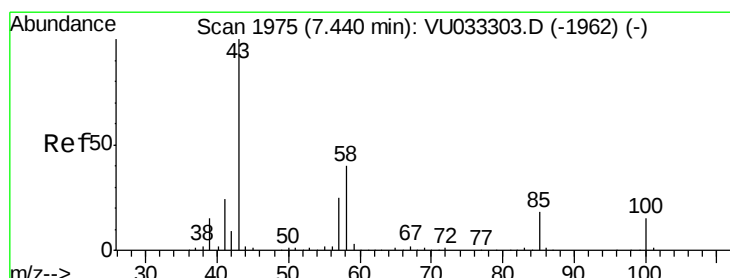
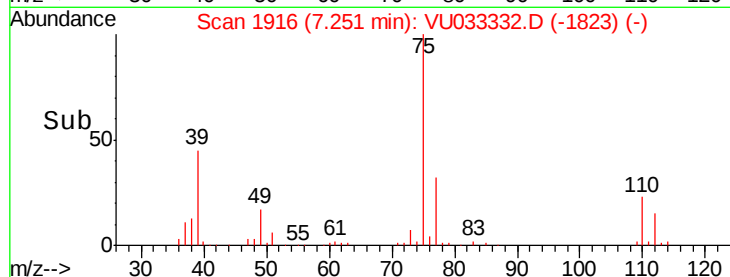
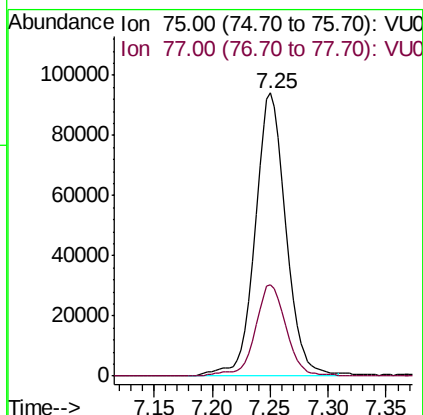
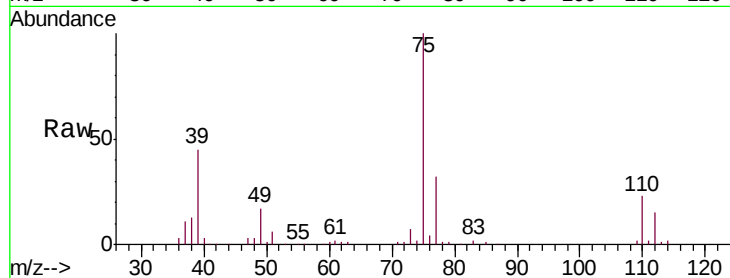


#39

cis-1,3-Dichloropropene
Concen: 52.511 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

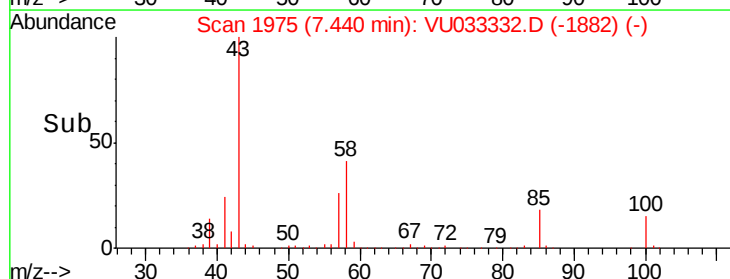
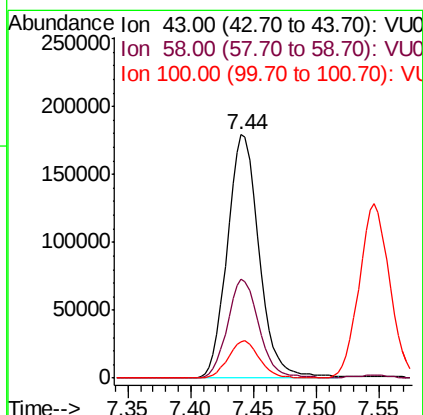
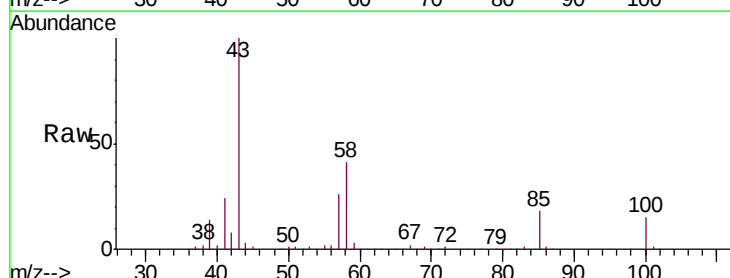
Tgt Ion: 75 Resp: 174820
Ion Ratio Lower Upper
75 100
77 32.4 23.1 42.9

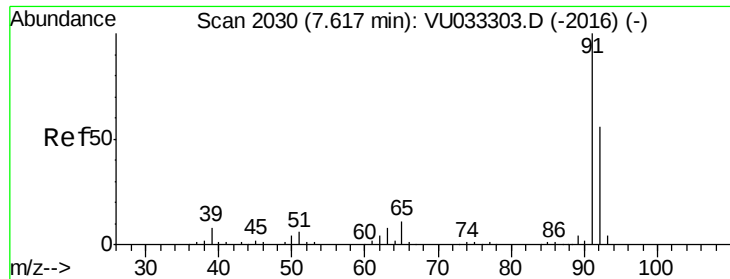


#40

4-Methyl-2-pentanone
Concen: 108.631 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Tgt Ion: 43 Resp: 316427
Ion Ratio Lower Upper
43 100
58 40.4 33.3 49.9
100 15.1 12.1 18.1





#42

Toluene

Concen: 52.685 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

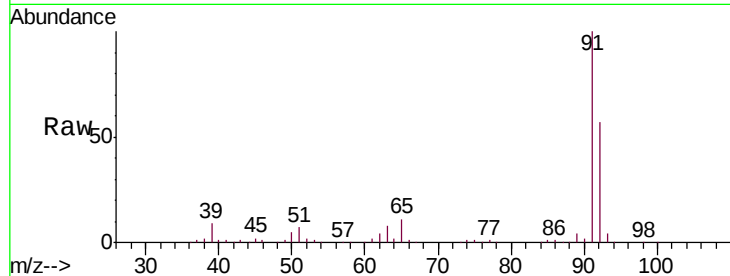
VSTD05053

Tgt Ion: 91 Resp: 454773

Ion Ratio Lower Upper

91 100

92 56.9 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.62

250000

200000

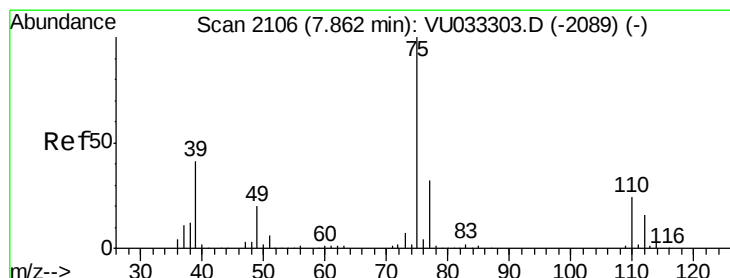
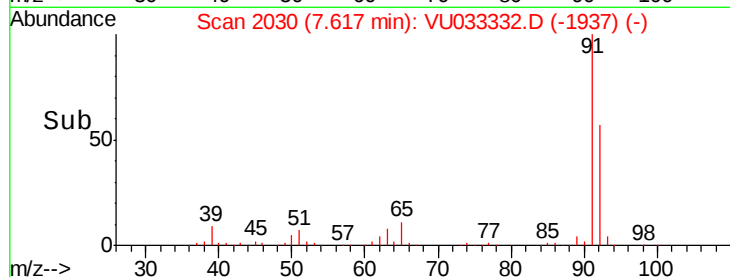
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.242 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033332.D

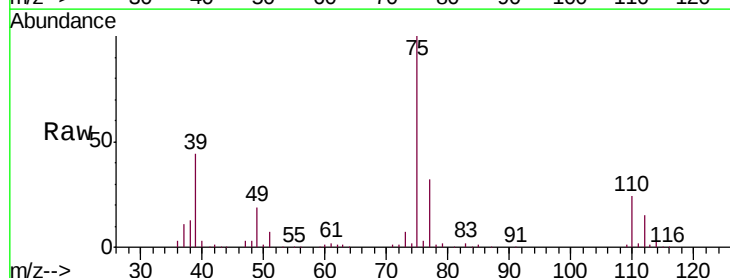
Acq: 19 Jul 2019 12:00

Tgt Ion: 75 Resp: 159855

Ion Ratio Lower Upper

75 100

77 32.3 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.86

100000

80000

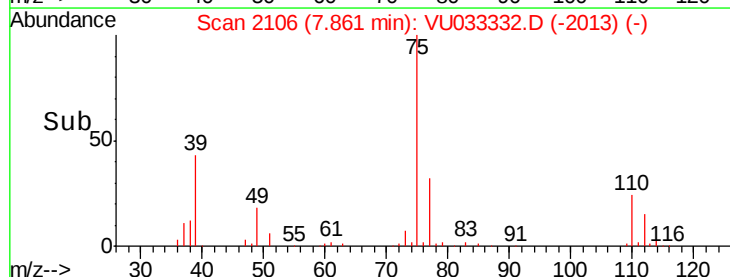
60000

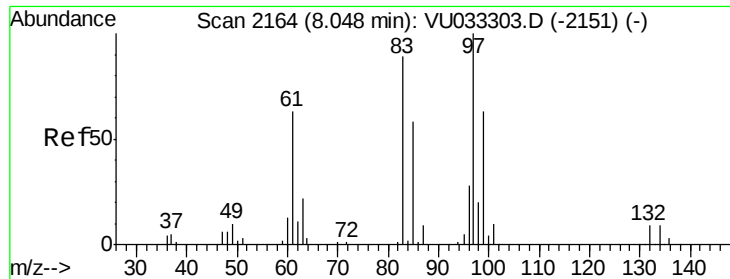
40000

20000

0

Time-->

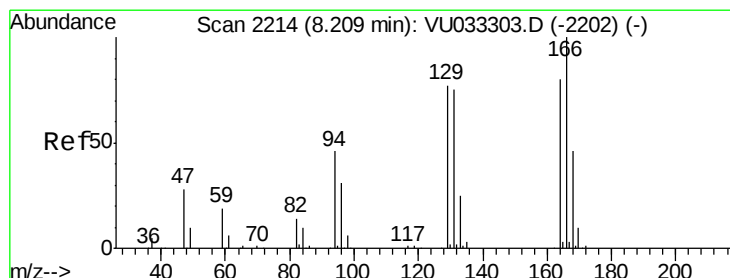
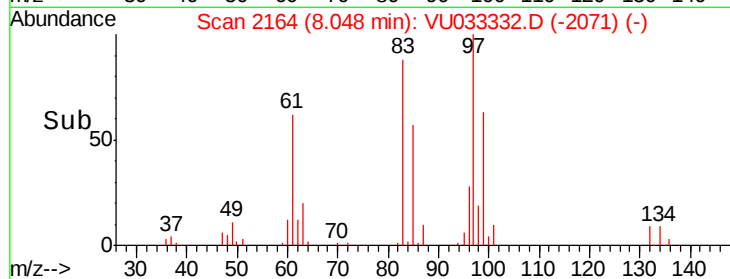
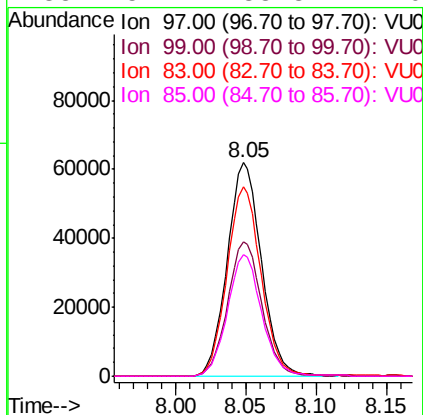
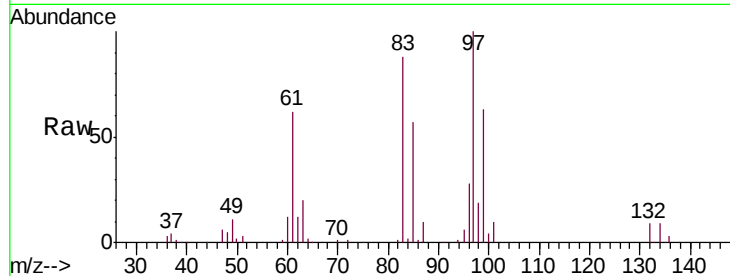




#45
 1,1,2-Trichloroethane
 Concen: 51.384 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033332.D
 Acq: 19 Jul 2019 12:00

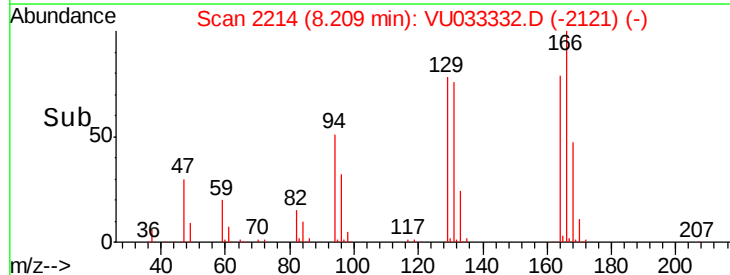
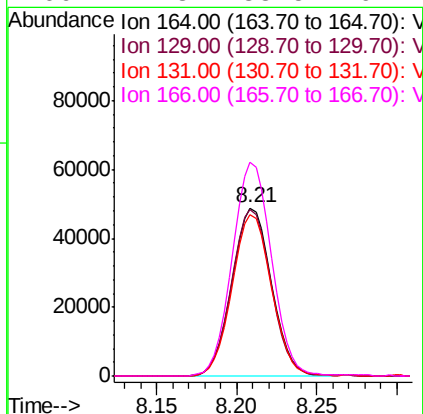
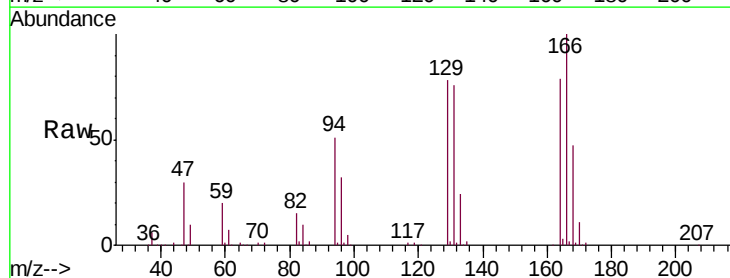
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

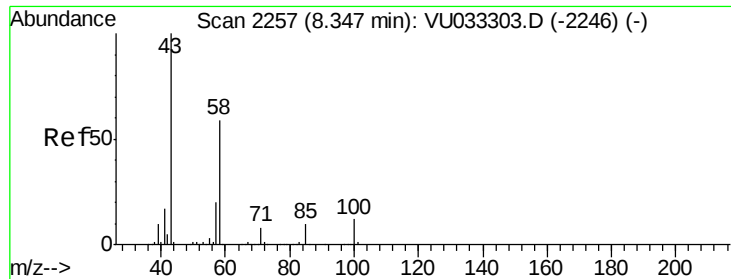
Tgt Ion:	97	Resp:	105523
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.0	79.8
83	88.5	61.5	114.3
85	57.2	38.8	72.0



#46
 Tetrachloroethene
 Concen: 50.612 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033332.D
 Acq: 19 Jul 2019 12:00

Tgt Ion:	164	Resp:	82041
Ion	Ratio	Lower	Upper
164	100		
129	99.5	69.6	129.2
131	96.2	65.7	122.1
166	127.3	88.5	164.4

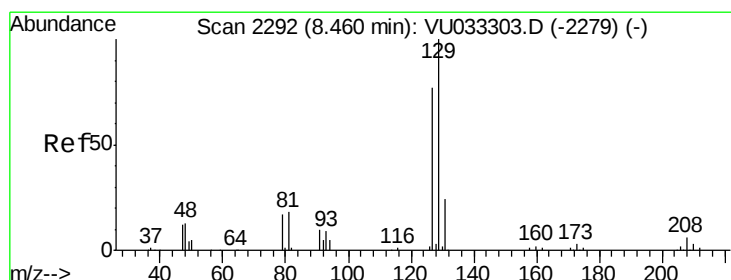
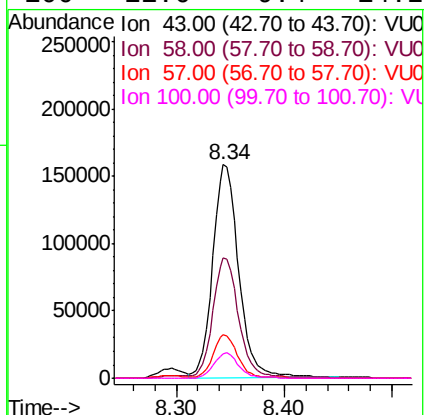
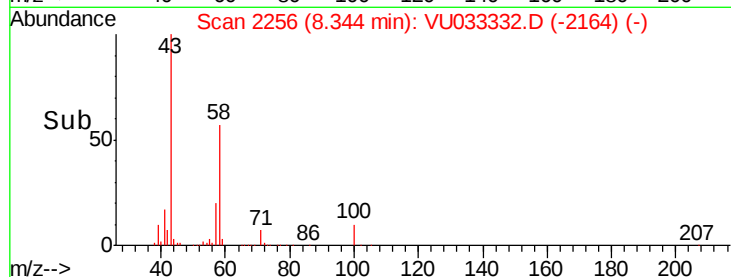
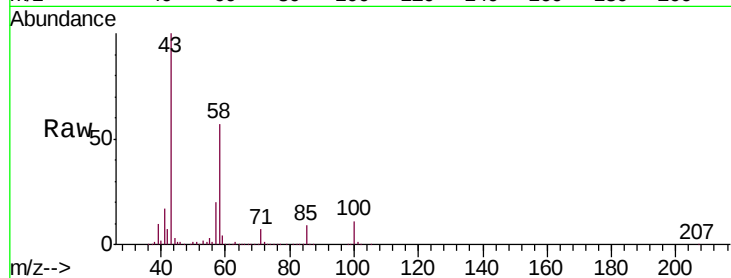




#48
2-Hexanone
Concen: 111.360 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

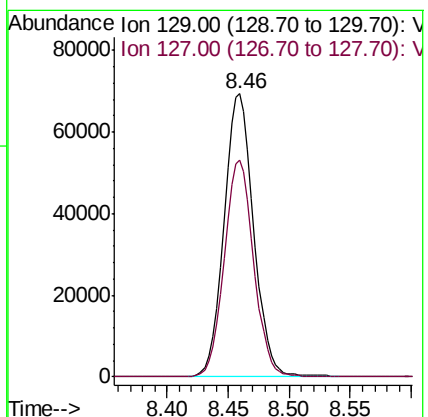
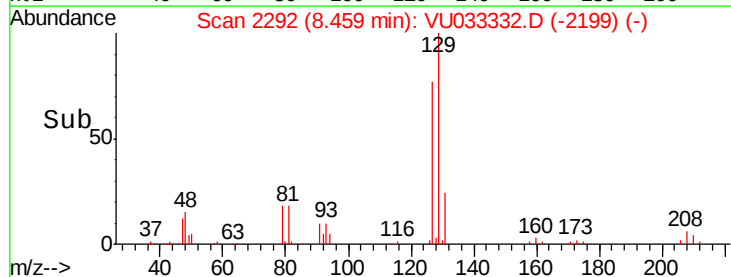
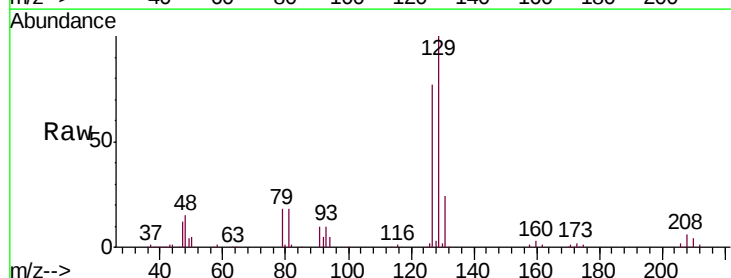
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

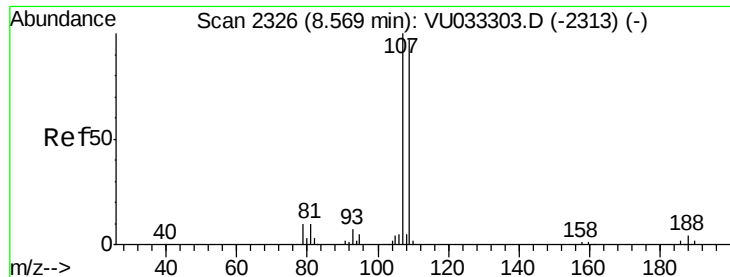
Tgt Ion:	43	Resp:	264263
Ion	Ratio	Lower	Upper
43	100		
58	55.6	46.1	69.1
57	19.2	15.8	23.8
100	11.6	9.4	14.2



#49
Dibromochloromethane
Concen: 51.513 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Tgt Ion:	129	Resp:	118006
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.3	100.9

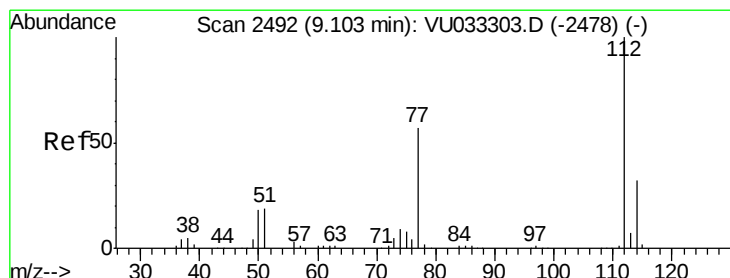
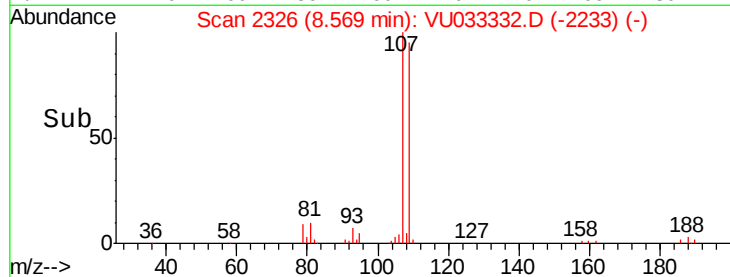
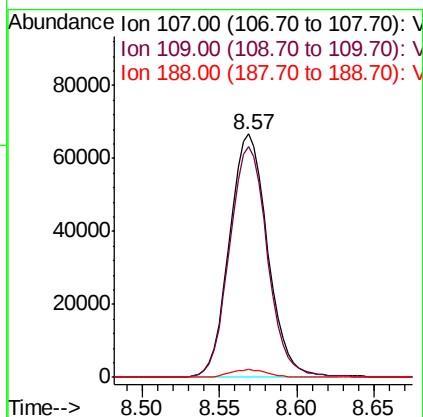
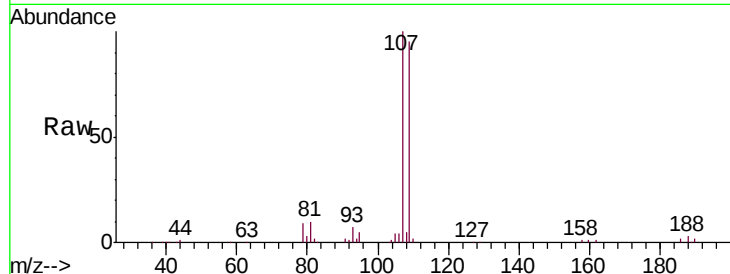




#50
1,2-Dibromoethane
Concen: 51.148 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

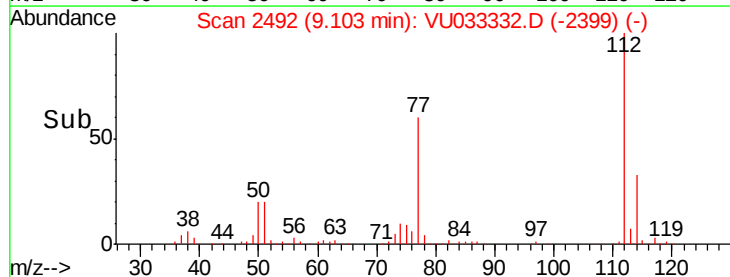
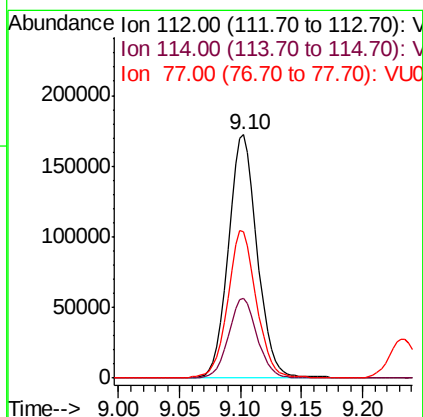
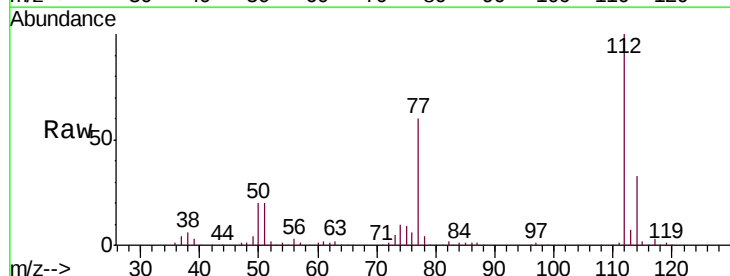
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

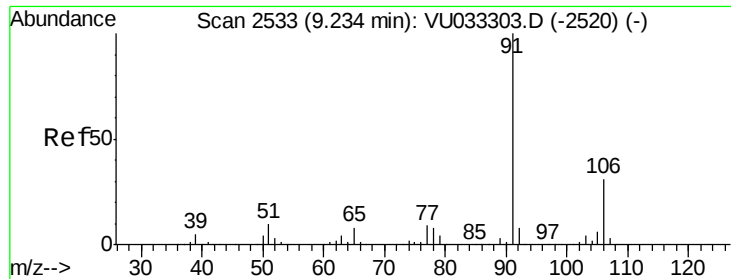
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	64.2	119.2
188	3.1	2.6	4.0



#51
Chlorobenzene
Concen: 50.471 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.3	41.3
77	60.3	47.2	70.8





#52

Ethylbenzene

Concen: 54.060 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

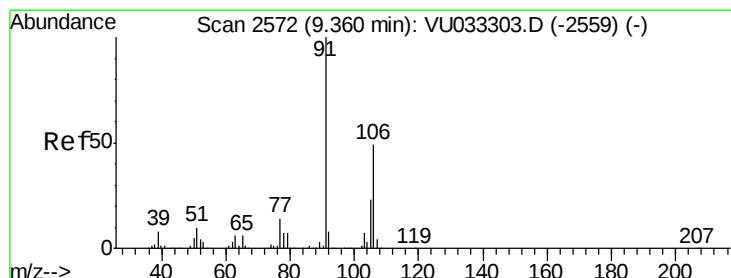
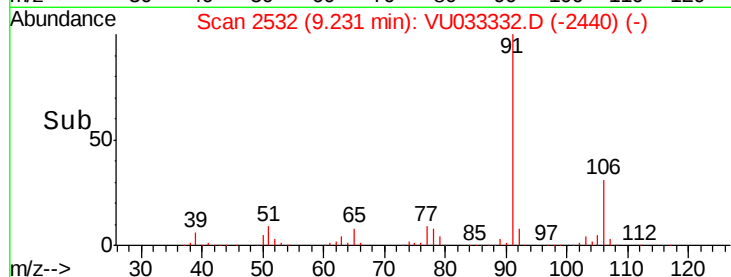
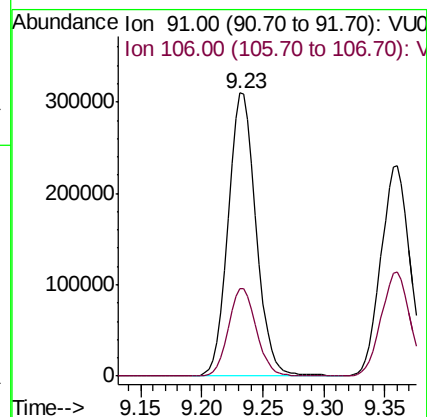
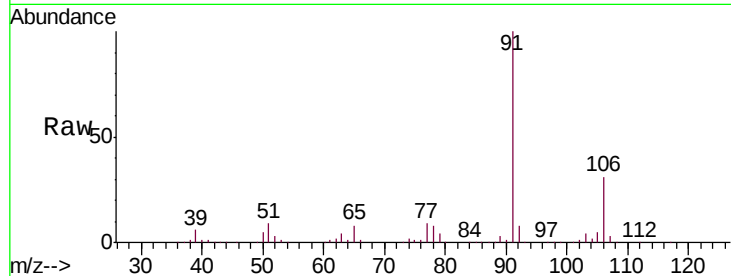
VSTD05053

Tgt Ion: 91 Resp: 499335

Ion Ratio Lower Upper

91 100

106 31.1 22.2 41.2



#53

m,p-Xylene

Concen: 53.765 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. -0.00 min

Lab File: VU033332.D

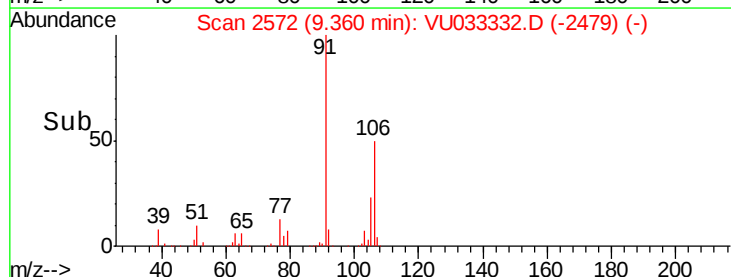
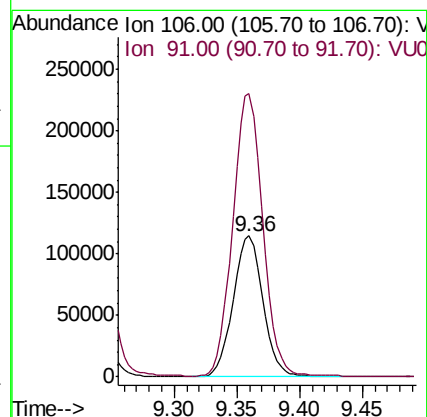
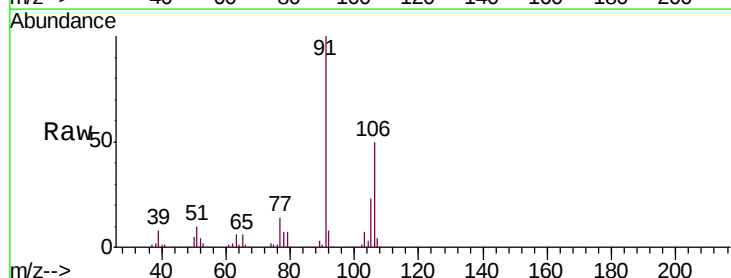
Acq: 19 Jul 2019 12:00

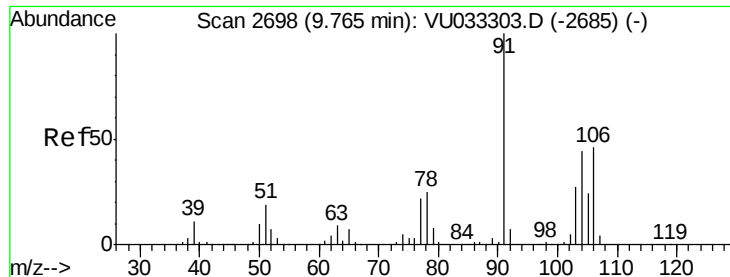
Tgt Ion: 106 Resp: 188103

Ion Ratio Lower Upper

106 100

91 201.2 141.3 262.3

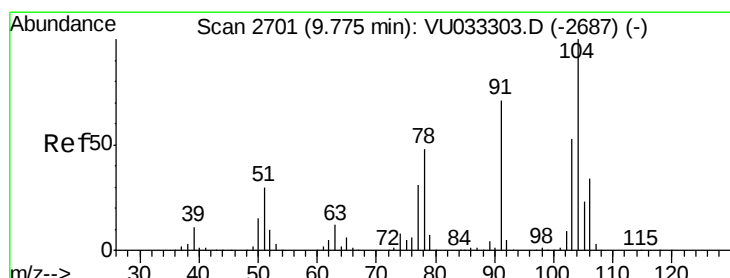
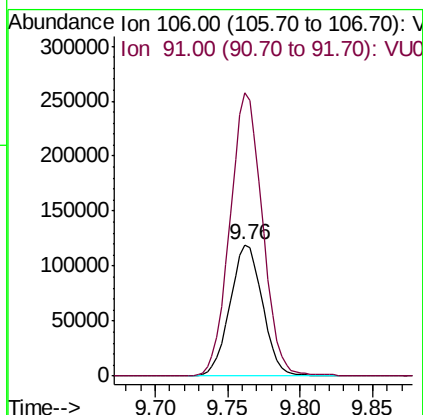
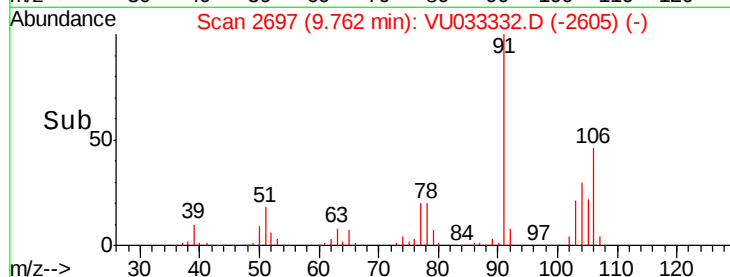
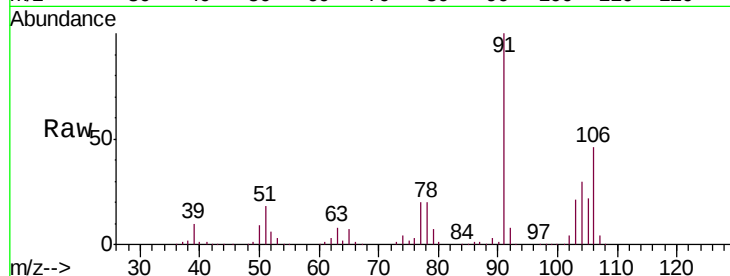




#54
o-xylene
Concen: 53.567 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

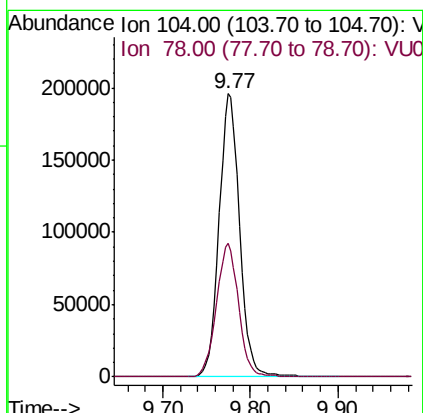
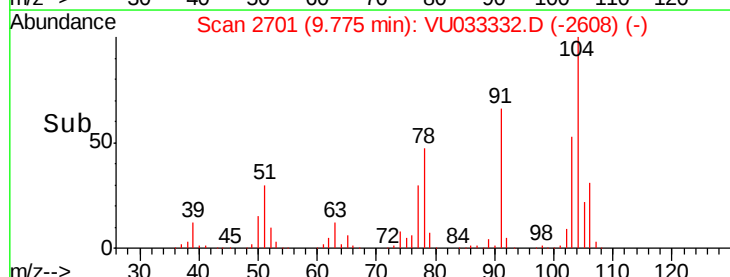
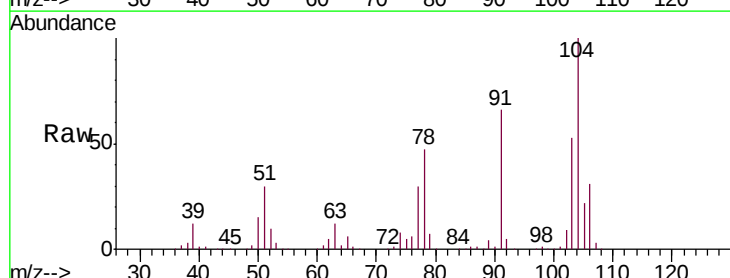
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

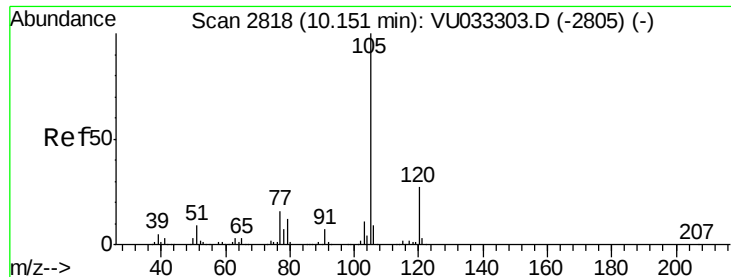
Tgt Ion:106 Resp: 186089
Ion Ratio Lower Upper
106 100
91 215.2 150.5 279.5



#55
Styrene
Concen: 54.183 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Tgt Ion:104 Resp: 319127
Ion Ratio Lower Upper
104 100
78 47.2 31.8 59.0

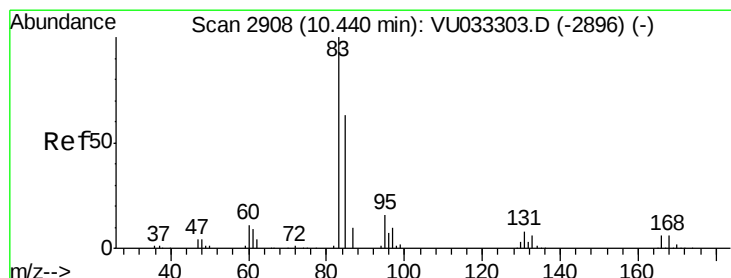
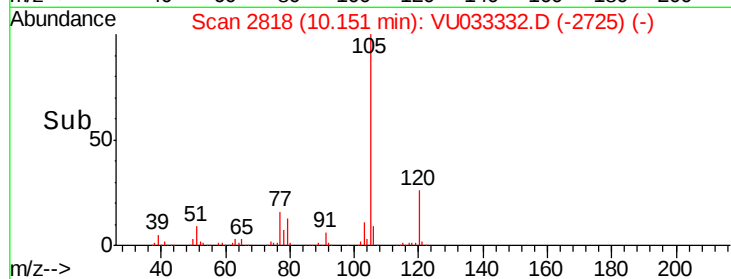
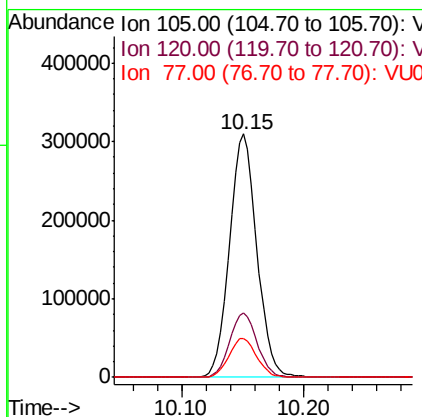
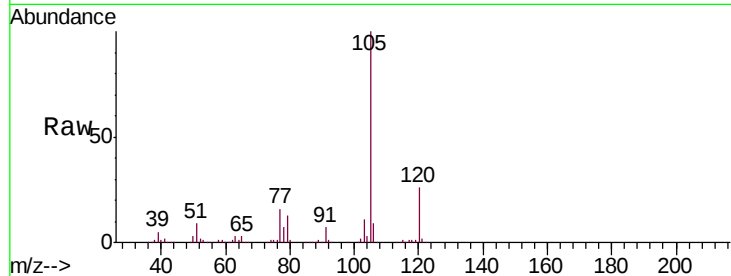




#56
Isopropylbenzene
Concen: 54.190 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

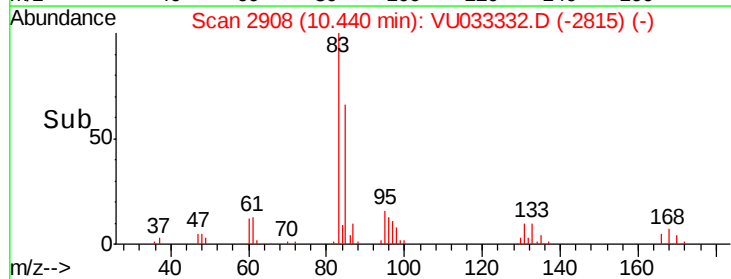
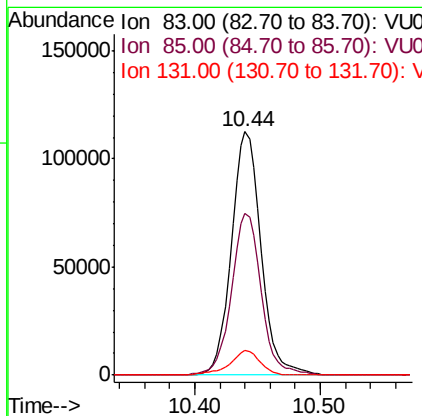
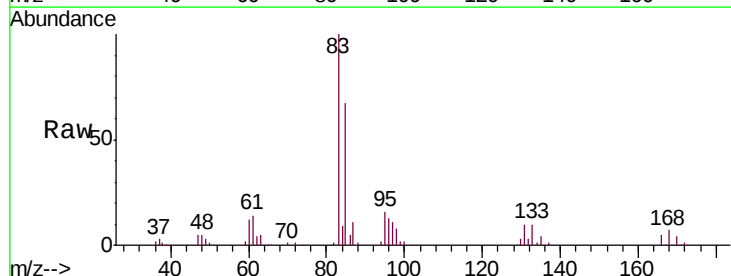
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

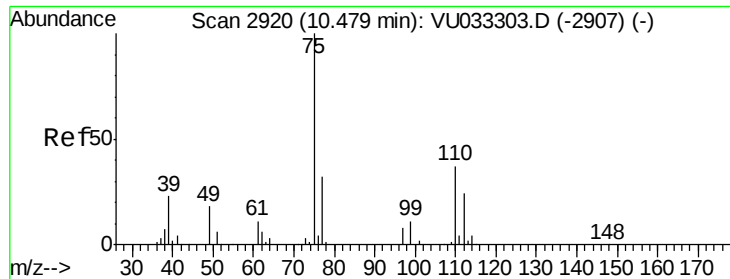
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.2	31.8
77	16.3	12.9	19.3



#58
1,1,2,2-Tetrachloroethane
Concen: 51.027 ug/L
RT: 10.44 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VU033332.D
Acq: 19 Jul 2019 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	44.9	83.3
131	10.0	7.6	11.4





#59

1,2,3-Trichloropropane

Concen: 51.937 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

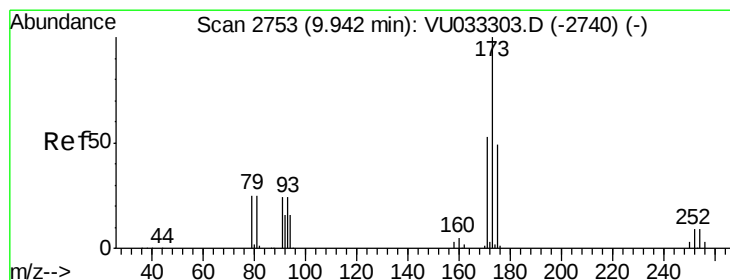
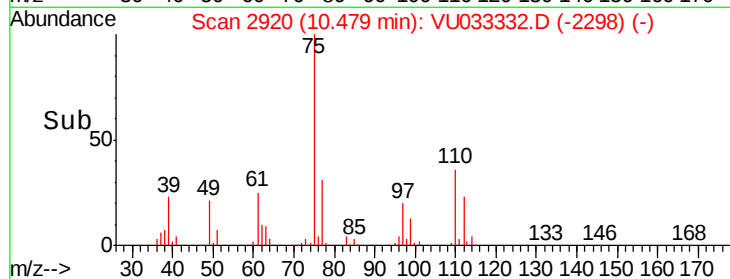
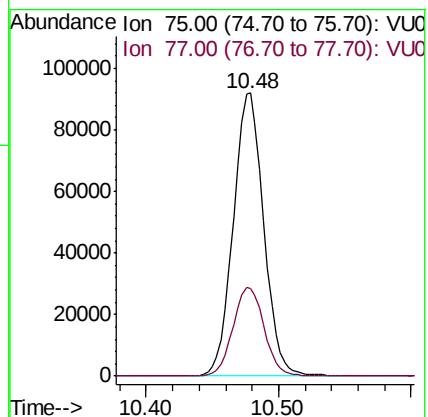
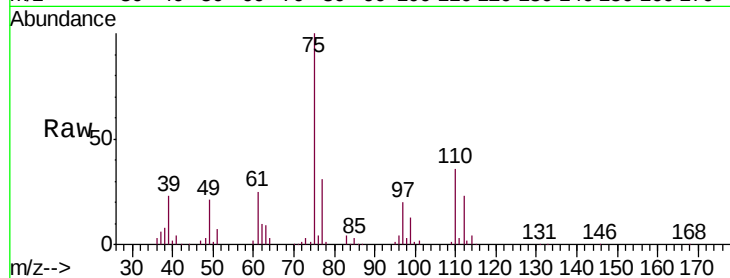
VSTD05053

Tgt Ion: 75 Resp: 146814

Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0



#61

Bromoform

Concen: 50.249 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

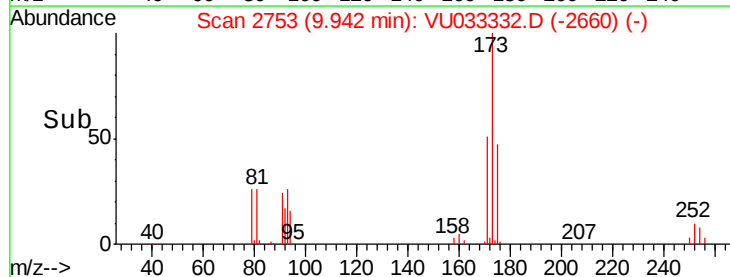
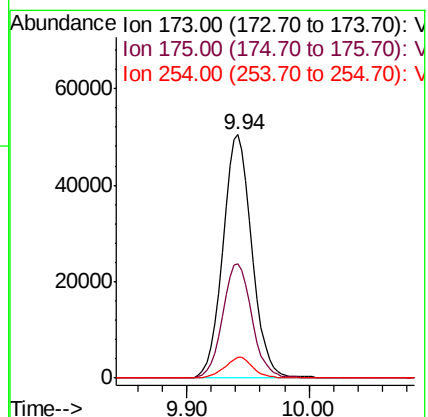
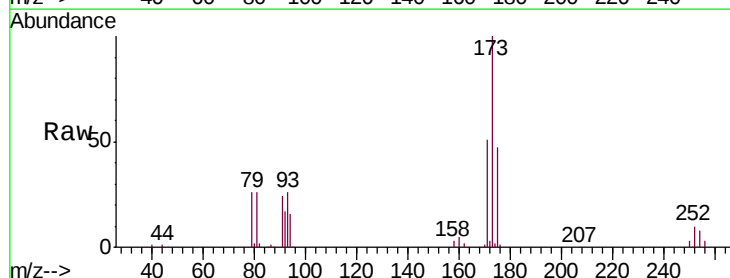
Tgt Ion: 173 Resp: 84263

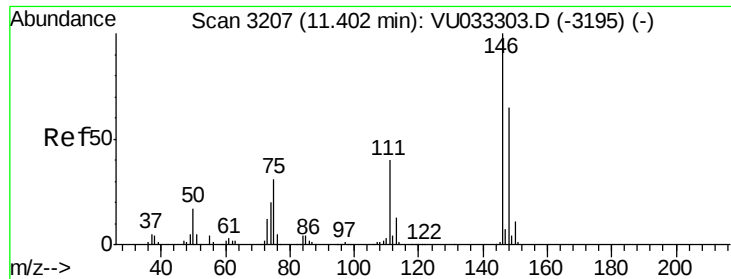
Ion Ratio Lower Upper

173 100

175 47.2 40.0 60.0

254 8.4 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 52.023 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

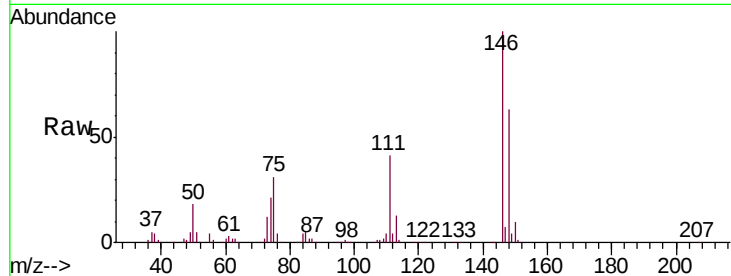
Tgt Ion:146 Resp: 219884

Ion Ratio Lower Upper

146 100

111 41.0 28.0 52.0

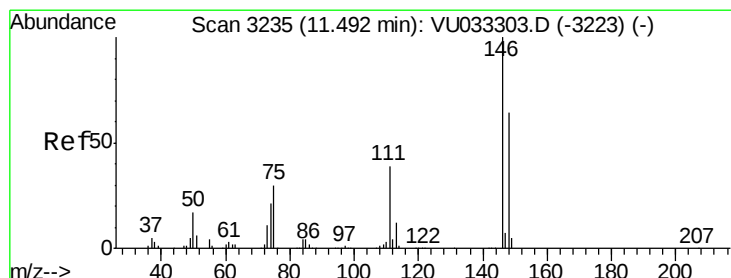
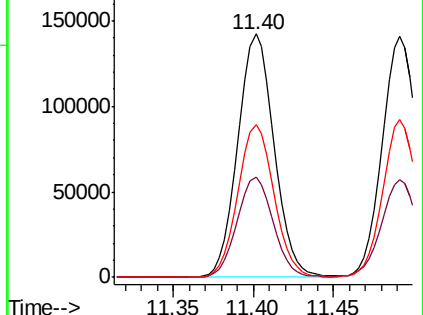
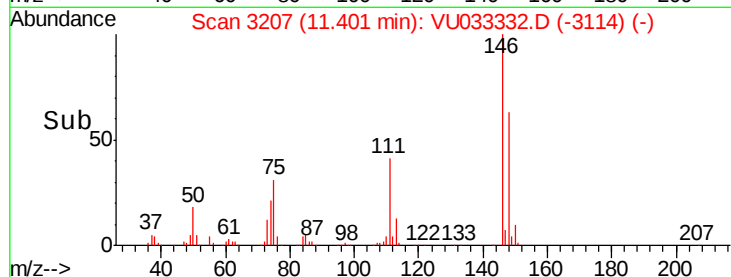
148 62.6 44.7 83.1



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: 50.141 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

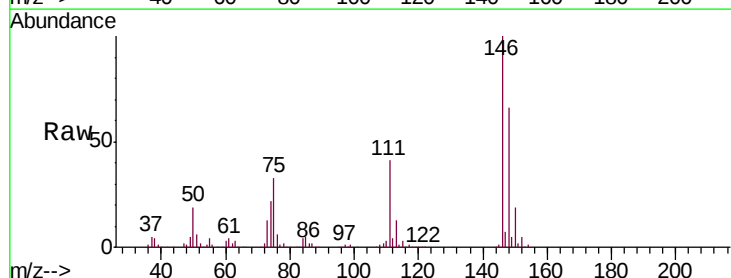
Tgt Ion:146 Resp: 221587

Ion Ratio Lower Upper

146 100

111 40.5 27.8 51.6

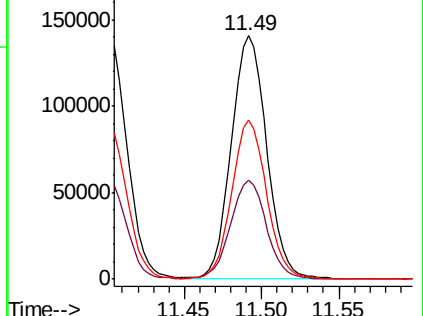
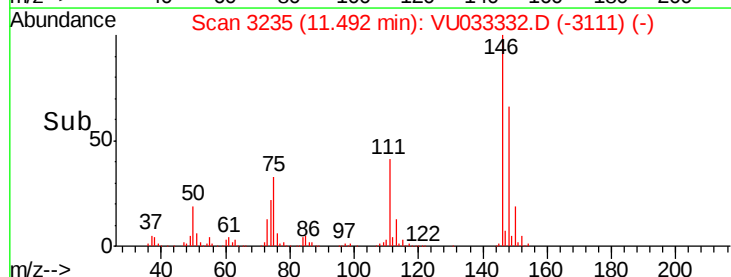
148 65.6 44.6 82.8

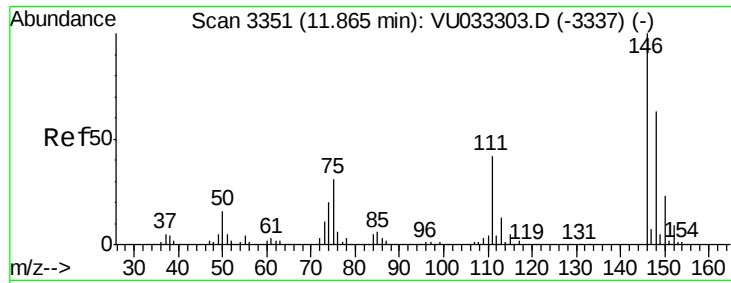


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

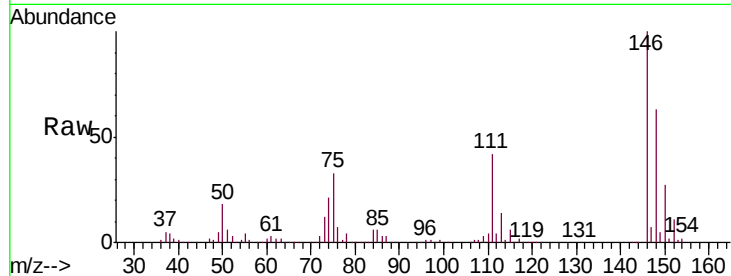




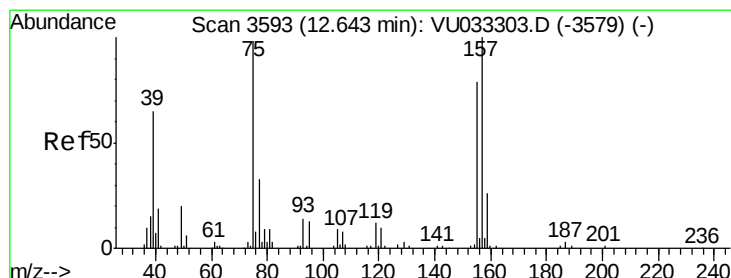
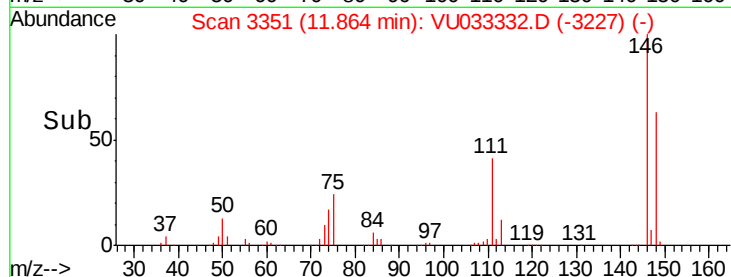
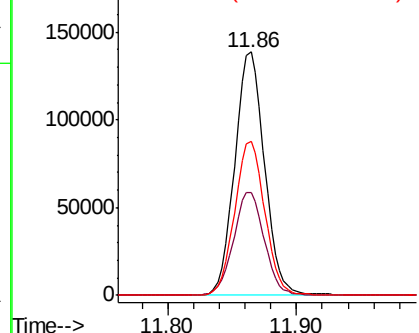
#65
 1,2-Dichlorobenzene
 Concen: 51.493 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033332.D
 Acq: 19 Jul 2019 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion: 146 Resp: 223208
 Ion Ratio Lower Upper
 146 100
 111 42.0 34.3 51.5
 148 63.2 51.5 77.3

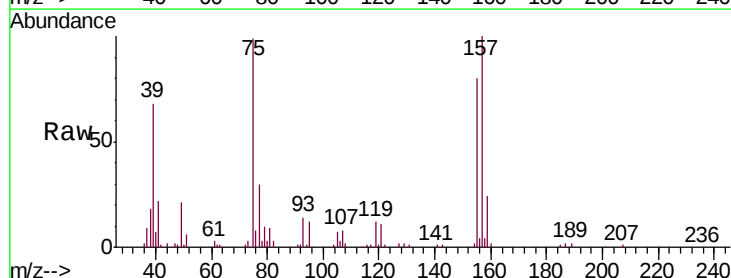


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

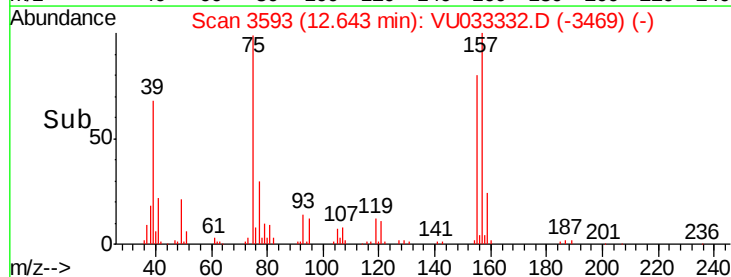
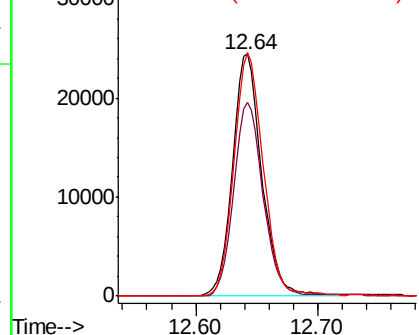


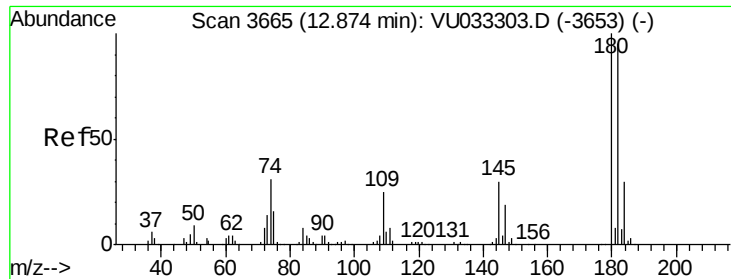
#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.453 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033332.D
 Acq: 19 Jul 2019 12:00

Tgt Ion: 75 Resp: 40914
 Ion Ratio Lower Upper
 75 100
 155 80.3 63.5 95.3
 157 100.7 84.6 127.0



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

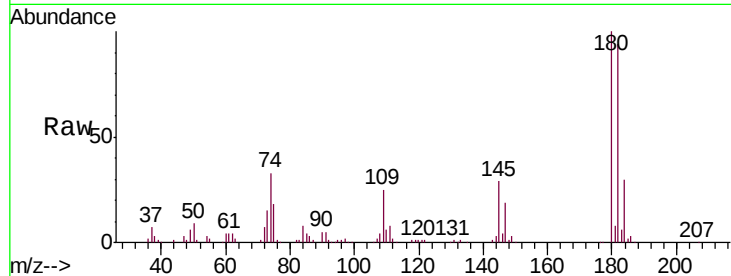




#67
 1,3,5-Trichlorobenzene
 Concen: 53.741 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033332.D
 Acq: 19 Jul 2019 12:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.5	113.3
184	29.6	24.2	36.2
145	29.5	24.1	36.1



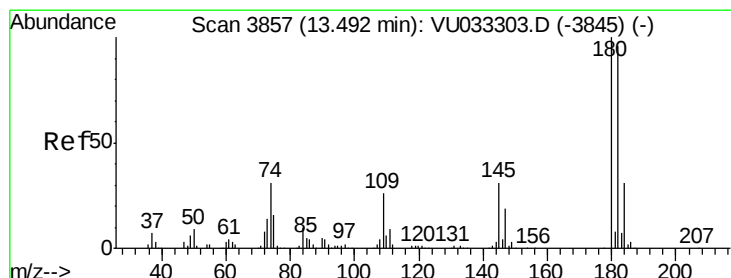
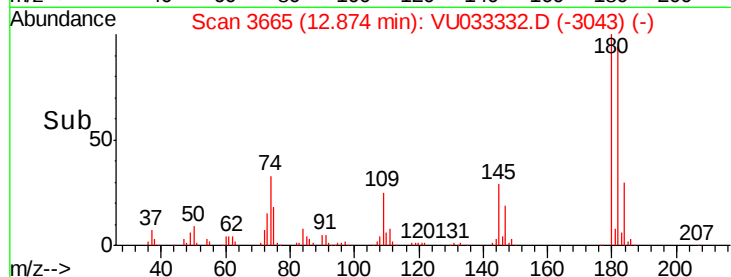
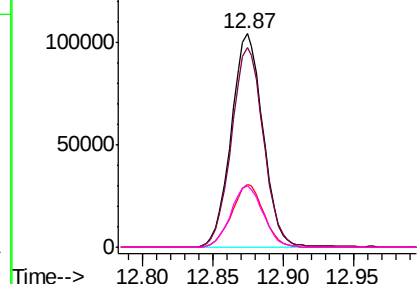
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

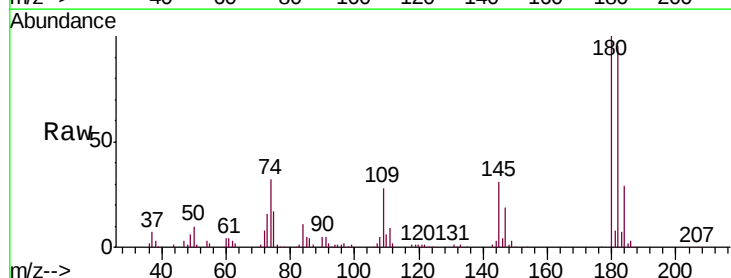
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.215 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033332.D
 Acq: 19 Jul 2019 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.5	114.7
145	31.7	24.6	36.8

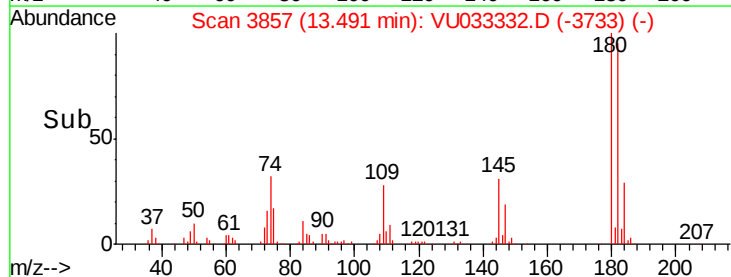
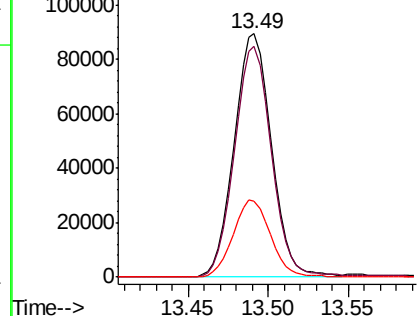


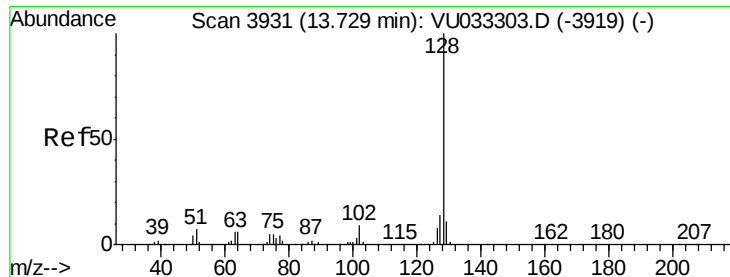
Abundance

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: 55.963 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

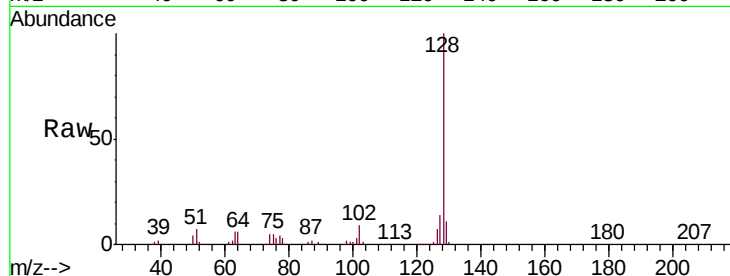
Tgt Ion:128 Resp: 478746

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

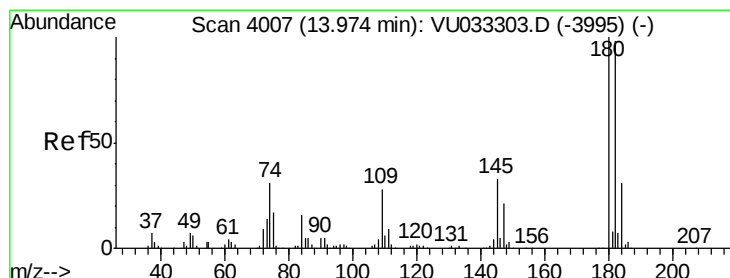
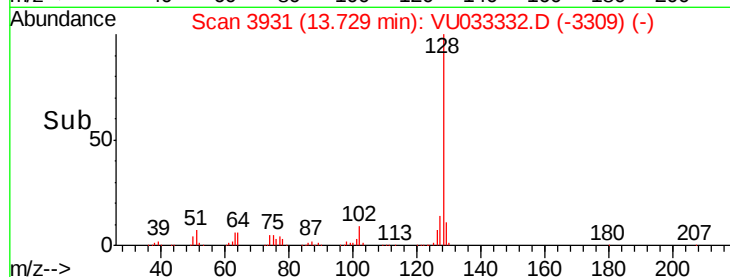
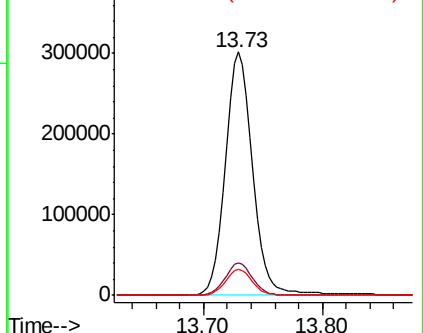
129 10.5 8.7 13.1



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: 50.453 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033332.D

Acq: 19 Jul 2019 12:00

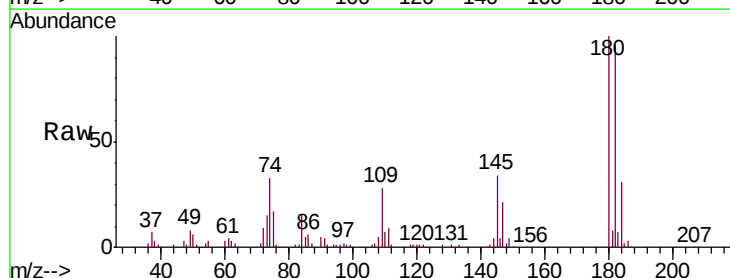
Tgt Ion:180 Resp: 146143

Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

145 33.5 26.2 39.2



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

