

Data File : VU033173.D
Acq On : 03 Jul 2019 15:16
Operator : JC/SP
Sample : K3598-09MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM85MSD

Quant Time: Jul 04 01:24:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 04 01:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	82529	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	85436	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38863	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37026	7.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	155.00%#
7) Chloroethane-d5	1.68	69	28532	6.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.60%#
11) 1,1-Dichloroethene-d2	2.27	63	69443	6.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	123.40%
20) 2-Butanone-d5	4.19	46	96759	55.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.28%
24) Chloroform-d	4.64	84	64770	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.60%
26) 1,2-Dichloroethane-d4	5.30	65	37581	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.20%
32) Benzene-d6	5.33	84	117214	5.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
36) 1,2-Dichloropropane-d6	6.32	67	39074	5.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.60%
41) Toluene-d8	7.56	98	103517	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
43) trans-1,3-Dichloropropene-	7.85	79	13967	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.31	63	62355	51.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.12%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	31468	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	39799	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	1419	0.168 ug/L	98
12) 1,1-Dichloroethene	2.28	96	25489	4.733 ug/L	90
13) Acetone	2.32	43	17934	12.827 ug/L	96
15) Methyl Acetate	2.61	43	585	0.176 ug/L #	55
21) 2-Butanone	4.28	43	8270	4.089 ug/L	100
27) 1,2-Dichloroethane	5.38	62	1211	0.142 ug/L #	79
33) Benzene	5.38	78	118630	4.712 ug/L	100
34) Trichloroethene	6.18	95	35989	5.240 ug/L	97
35) Methylcyclohexane	6.32	83	9019	0.883 ug/L #	16
37) 1,2-Dichloropropane	6.32	63	5047	0.729 ug/L #	88
42) Toluene	7.63	91	122211	4.508 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	746	0.092 ug/L	96
45) 1,1,2-Trichloroethane	8.22	97	5390	1.110 ug/L #	10
47) Tetrachloroethene	8.22	164	598393	104.881 ug/L	97
48) 2-Hexanone	8.36	43	10105	2.897 ug/L #	87
49) Dibromochloromethane	8.22	129	564144	92.852 ug/L #	13
51) Chlorobenzene	9.11	112	83494	4.673 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU070419\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

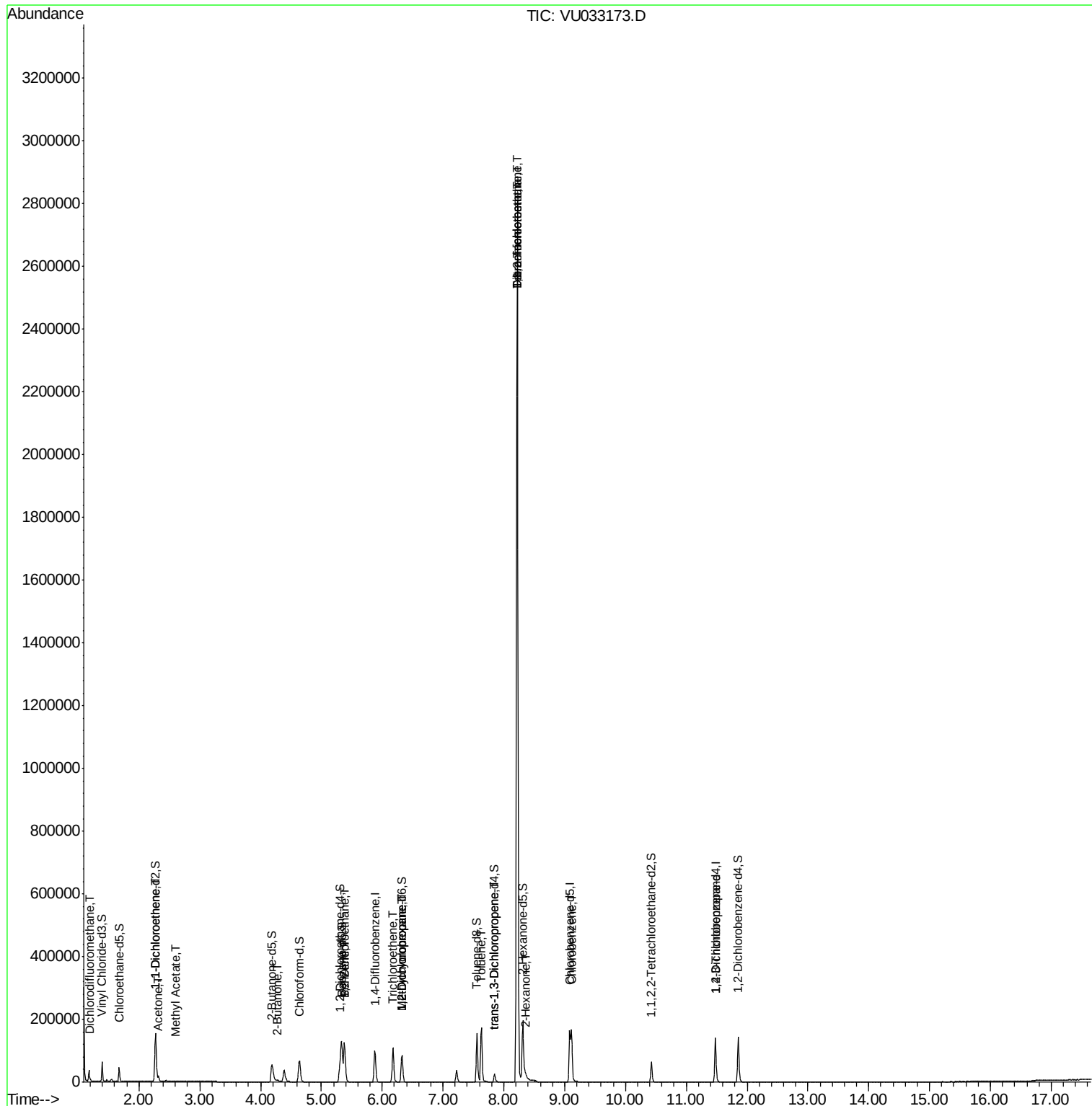
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	4789	1.016	ug/L #	88

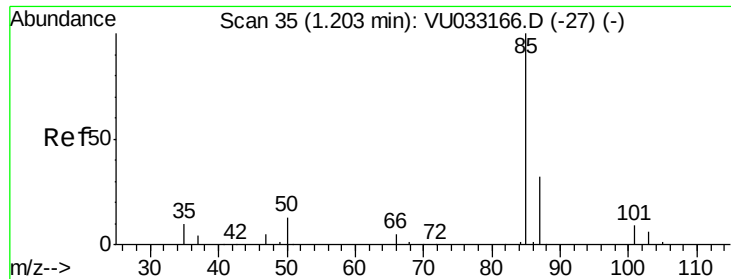
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 04 01:20:02 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.168 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU033173.D

Acq: 03 Jul 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

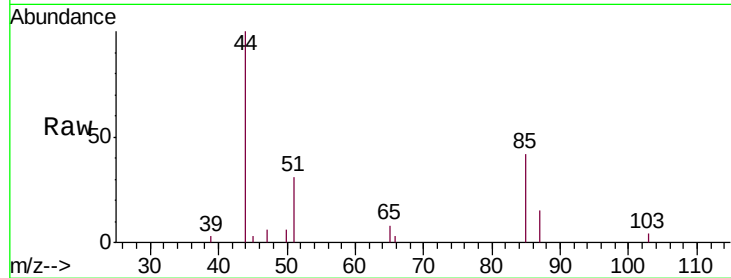
GAM85MSD

Tgt Ion: 85 Resp: 1419

Ion Ratio Lower Upper

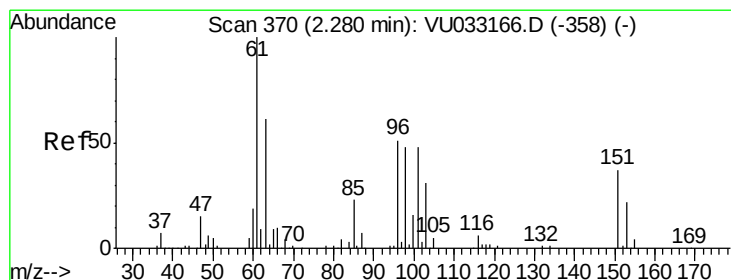
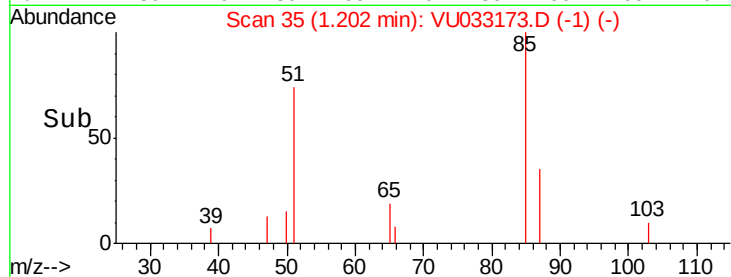
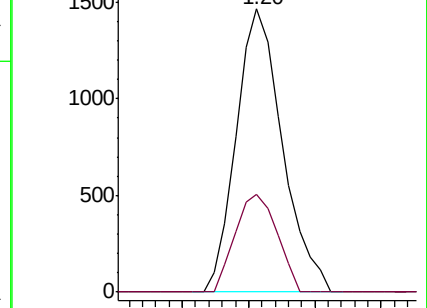
85 100

87 31.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#12

1,1-Dichloroethene

Concen: 4.733 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033173.D

Acq: 03 Jul 2019 15:16

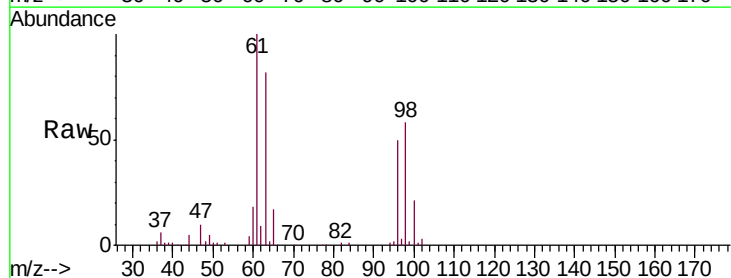
Tgt Ion: 96 Resp: 25489

Ion Ratio Lower Upper

96 100

61 199.4 135.5 251.7

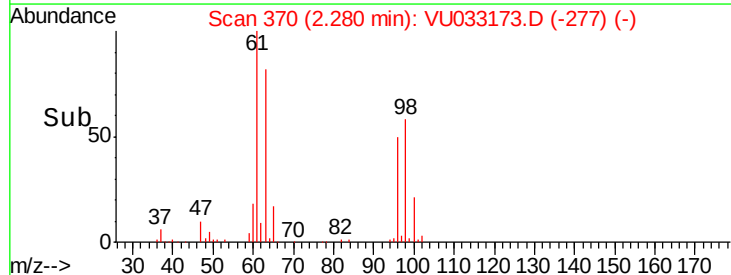
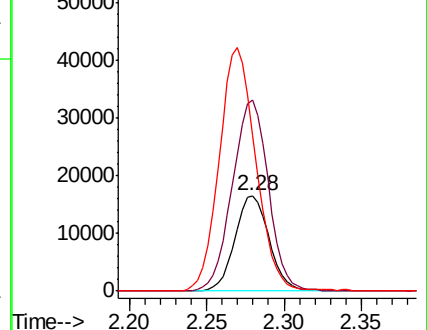
63 162.6 98.0 182.0

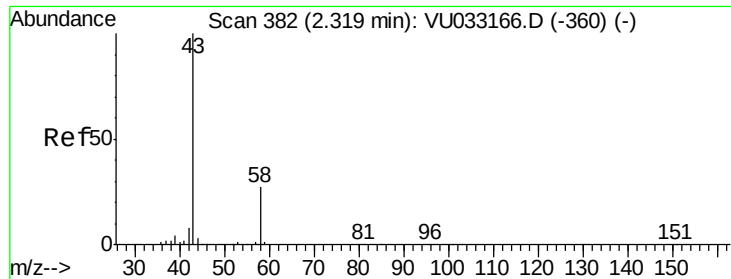


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.827 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU033173.D

Acq: 03 Jul 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

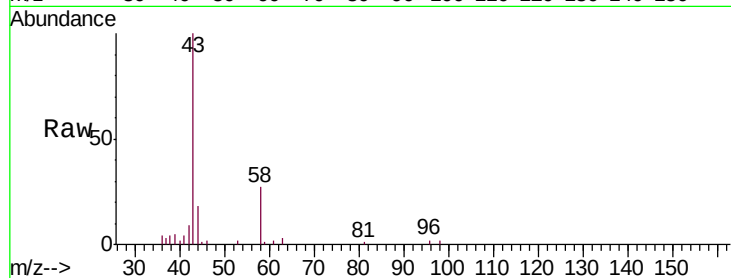
GAM85MSD

Tgt Ion: 43 Resp: 17934

Ion Ratio Lower Upper

43 100

58 25.9 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU033166.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU033166.D (-360) (-)

12000

10000

8000

6000

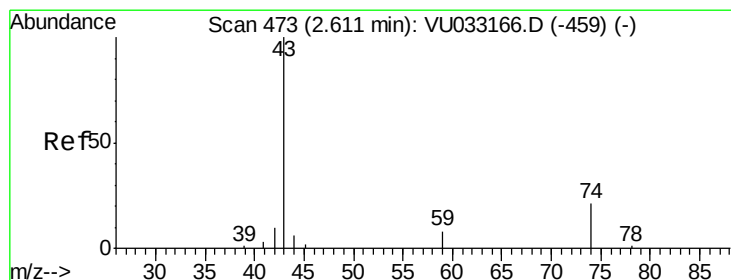
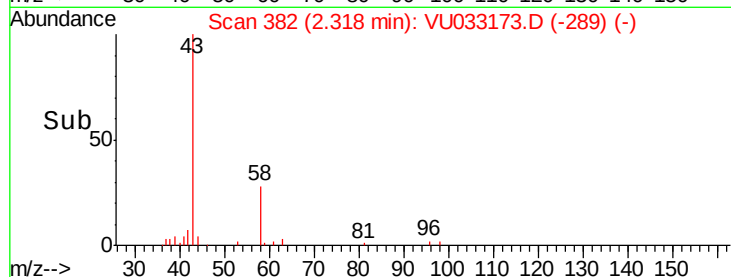
4000

2000

0

2.25 2.30 2.35

Time-->



#15

Methyl Acetate

Concen: 0.176 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU033173.D

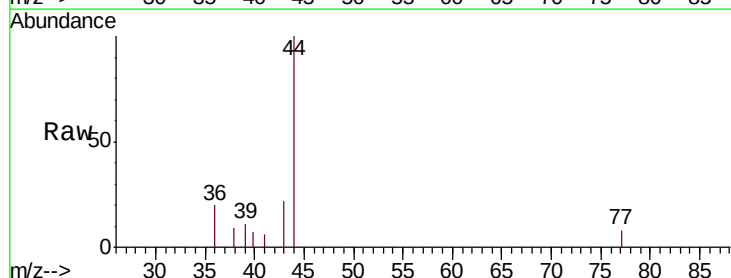
Acq: 03 Jul 2019 15:16

Tgt Ion: 43 Resp: 585

Ion Ratio Lower Upper

43 100

74 0.0 16.8 25.2#



Abundance Ion 43.05 (42.75 to 43.75): VU033166.D (-459) (-)

Ion 74.05 (73.75 to 74.75): VU033166.D (-459) (-)

400

300

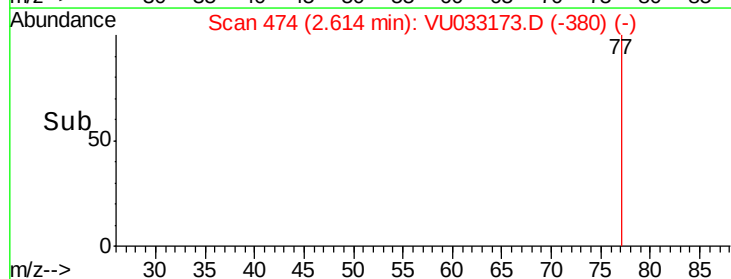
200

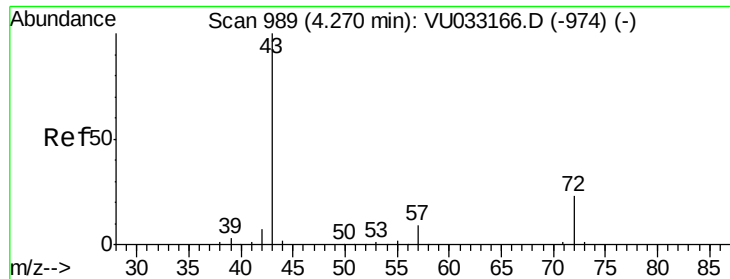
100

0

2.58 2.60 2.62 2.64

Time-->





#21

2-Butanone

Concen: 4.089 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VU033173.D

Acq: 03 Jul 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

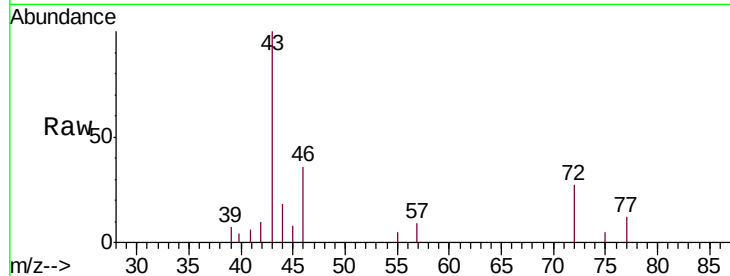
GAM85MSD

Tgt Ion: 43 Resp: 8270

Ion Ratio Lower Upper

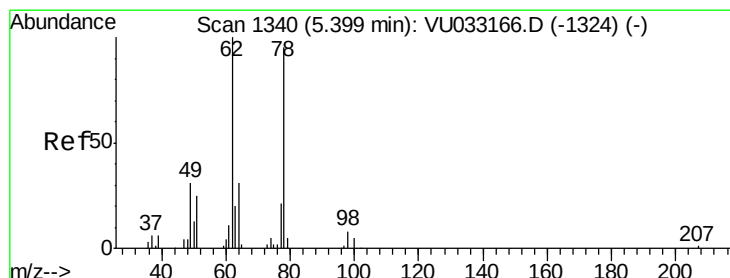
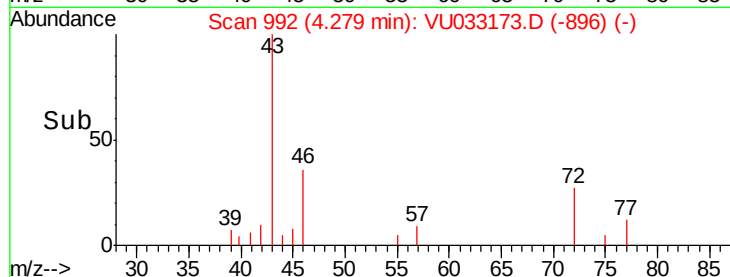
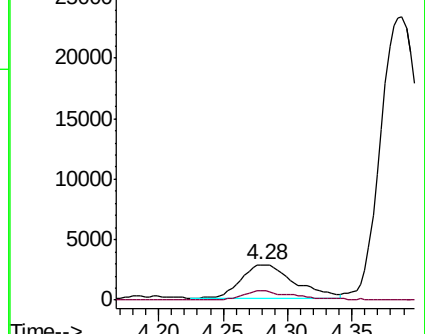
43 100

72 24.0 12.1 36.3



Abundance Ion 43.05 (42.75 to 43.75): VU033166.D (-974) (-)

Ion 72.10 (71.80 to 72.80): VU033166.D (-974) (-)



#27

1,2-Dichloroethane

Concen: 0.142 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VU033173.D

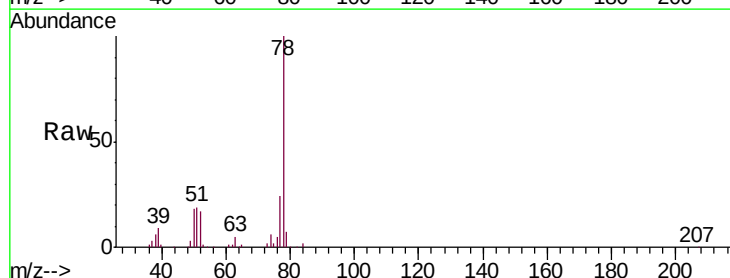
Acq: 03 Jul 2019 15:16

Tgt Ion: 62 Resp: 1211

Ion Ratio Lower Upper

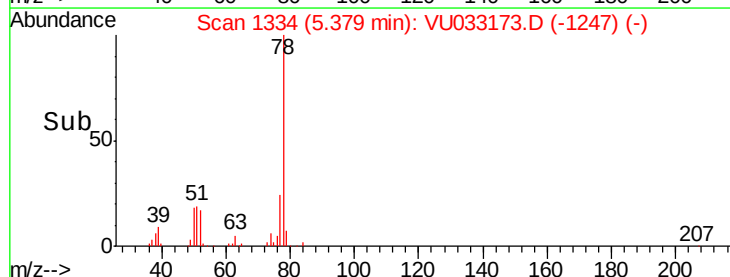
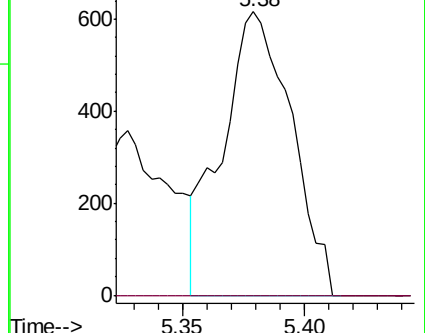
62 100

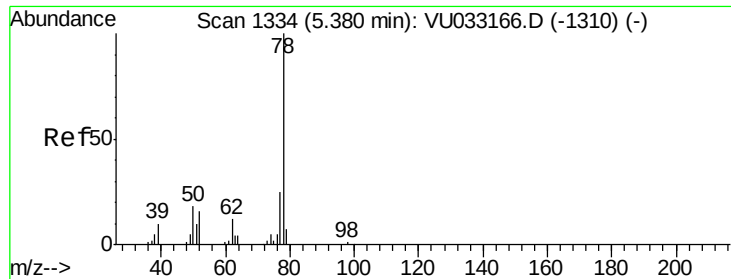
98 0.0 5.9 8.9#



Abundance Ion 62.00 (61.70 to 62.70): VU033166.D (-1324) (-)

Ion 98.05 (97.75 to 98.75): VU033166.D (-1324) (-)

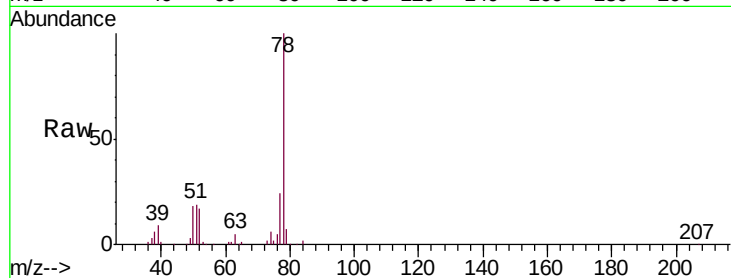




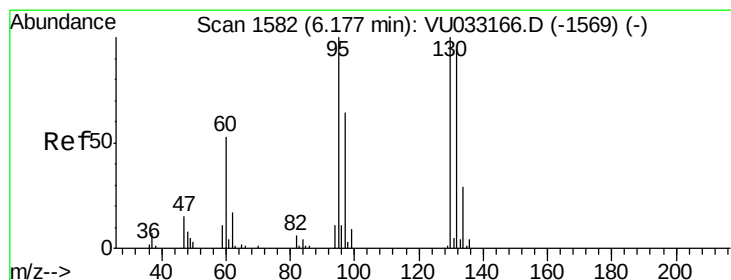
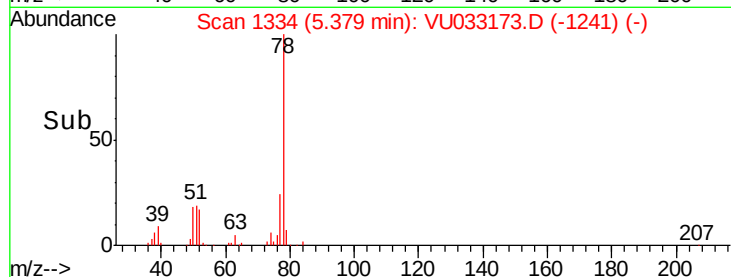
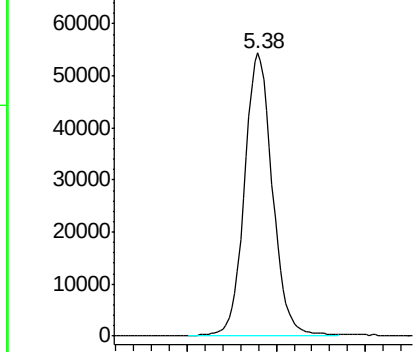
#33
Benzene
Concen: 4.712 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033173.D
Acq: 03 Jul 2019 15:16

Instrument :
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GAM85MSD

Tgt Ion: 78 Resp: 118630



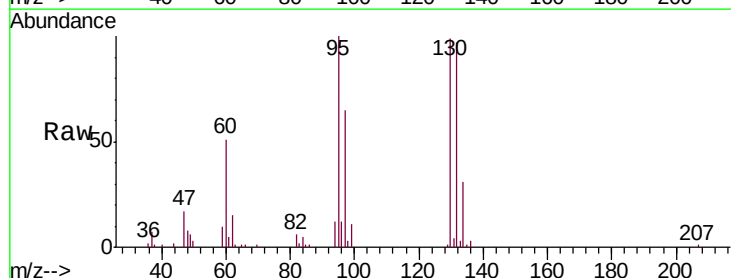
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 5.240 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VU033173.D
Acq: 03 Jul 2019 15:16

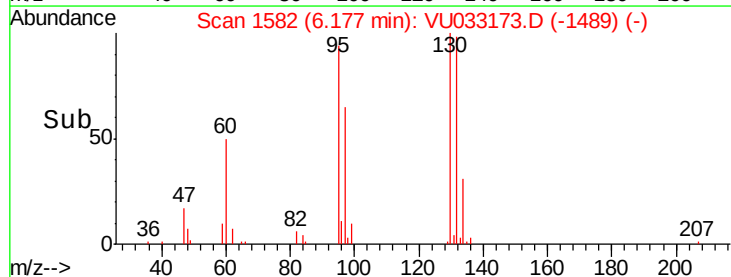
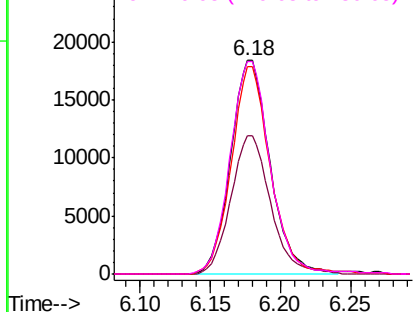
Tgt Ion: 95 Resp: 35989

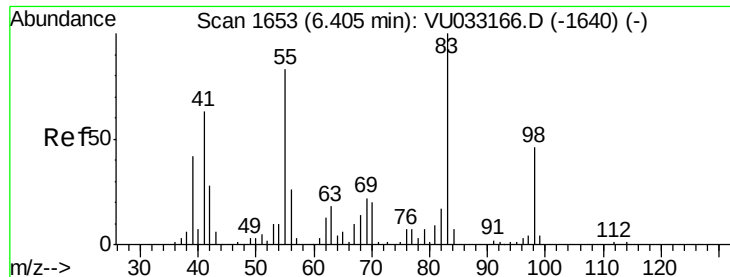
Ion	Ratio	Lower	Upper
95	100		
97	64.7	42.8	79.4
132	97.2	64.6	120.0
130	99.3	70.0	130.0



Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#35

Methylcyclohexane

Concen: 0.883 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033173.D

Acq: 03 Jul 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

GAM85MSD

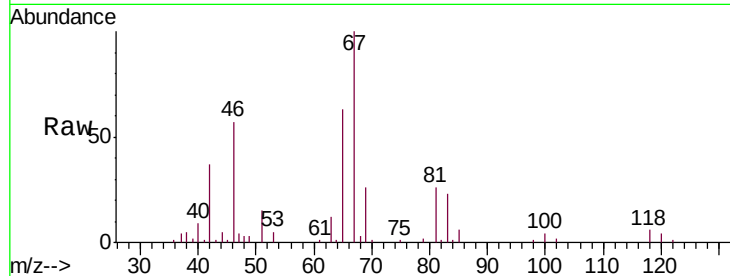
Tgt Ion: 83 Resp: 9019

Ion Ratio Lower Upper

83 100

55 0.0 66.5 99.7#

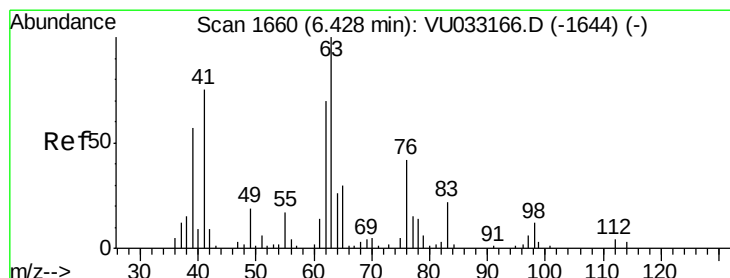
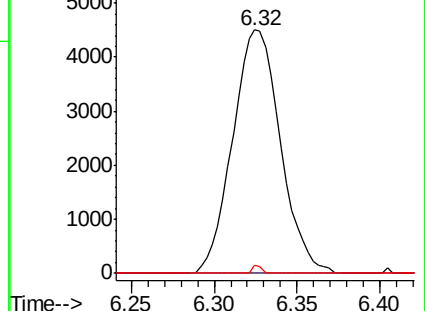
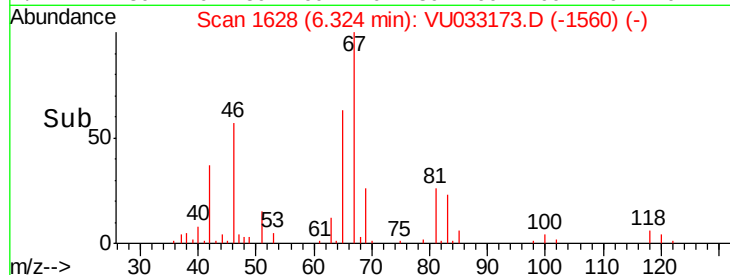
98 0.6 37.1 55.7#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.729 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033173.D

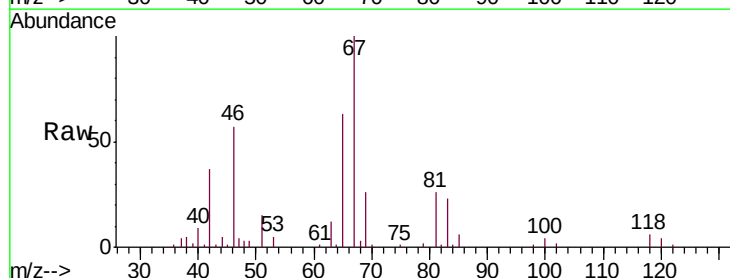
Acq: 03 Jul 2019 15:16

Tgt Ion: 63 Resp: 5047

Ion Ratio Lower Upper

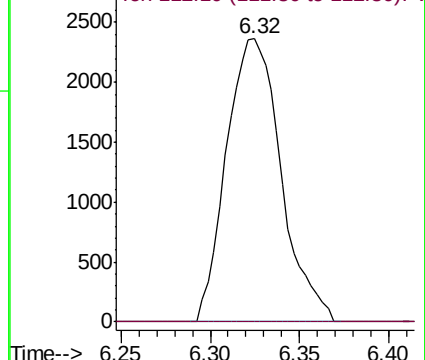
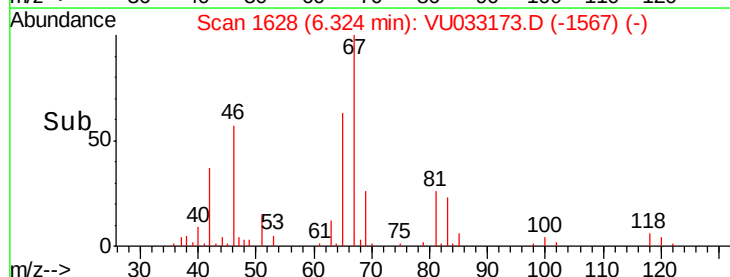
63 100

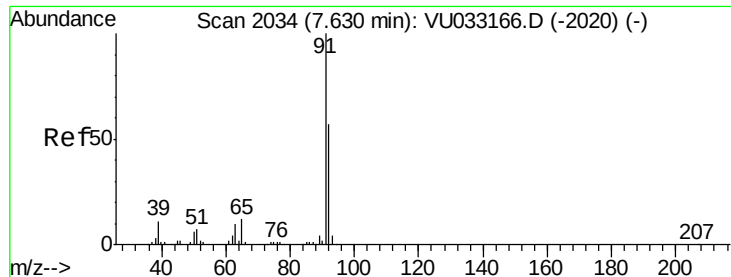
112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 4.508 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033173.D

Acq: 03 Jul 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

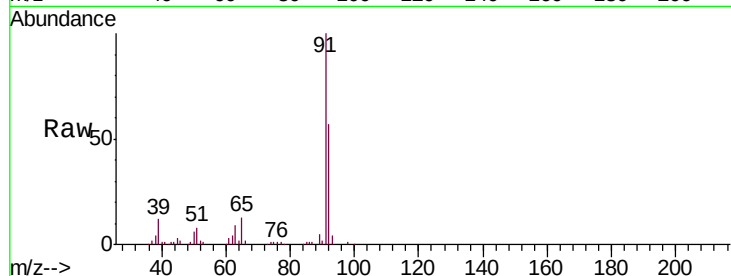
GAM85MSD

Tgt Ion: 91 Resp: 122211

Ion Ratio Lower Upper

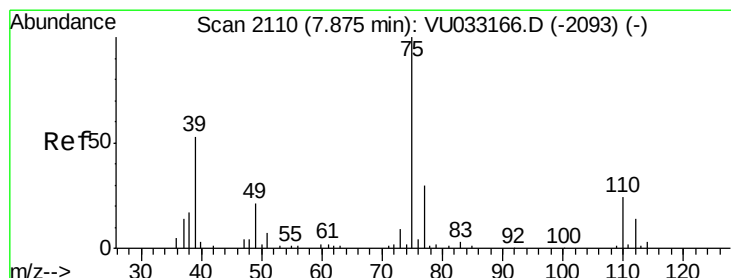
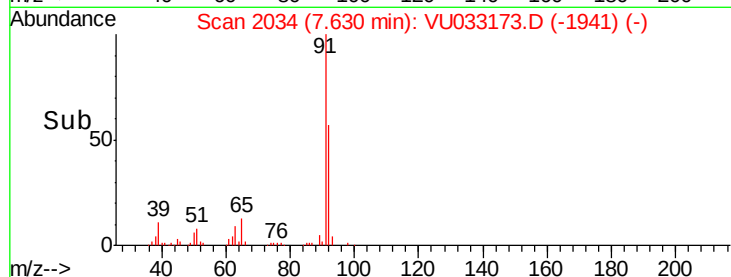
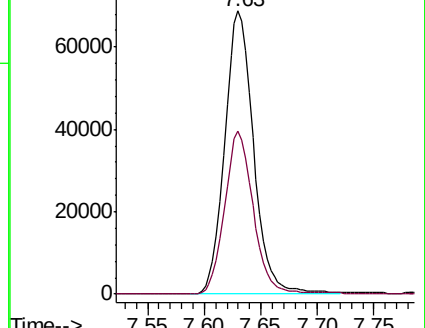
91 100

92 57.4 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033166.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU033173.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033173.D

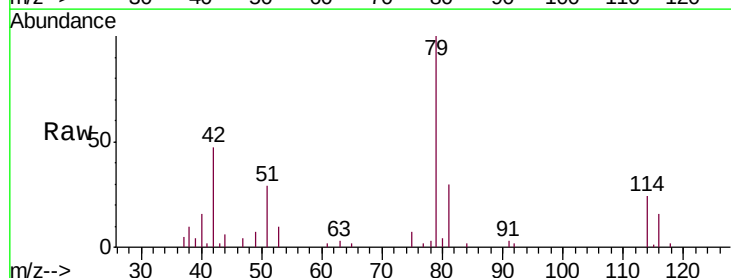
Acq: 03 Jul 2019 15:16

Tgt Ion: 75 Resp: 746

Ion Ratio Lower Upper

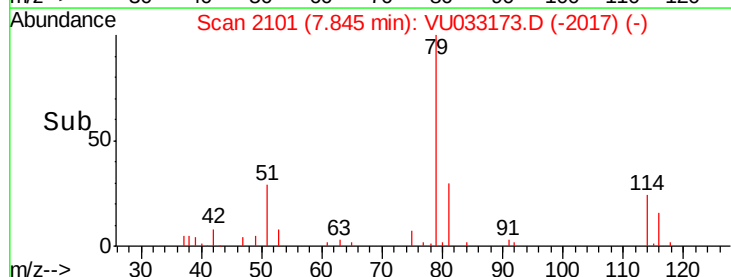
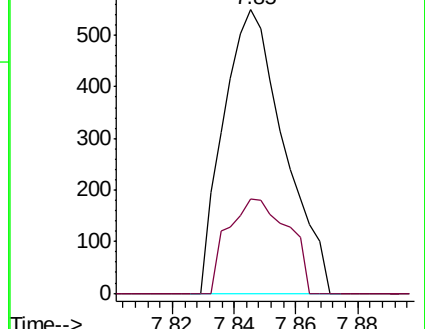
75 100

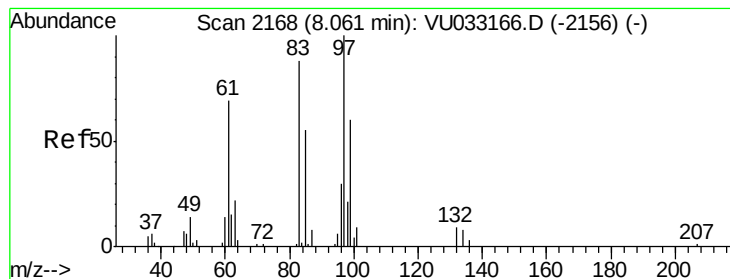
77 33.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033166.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU033173.D (-2101) (-)





#45

1,1,2-Trichloroethane

Concen: 1.110 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.16 min

Lab File: VU033173.D

Acq: 03 Jul 2019 15:16

Instrument :

MSVOA_U

ClientSampleId :

GAM85MSD

Tgt Ion: 97 Resp: 5390

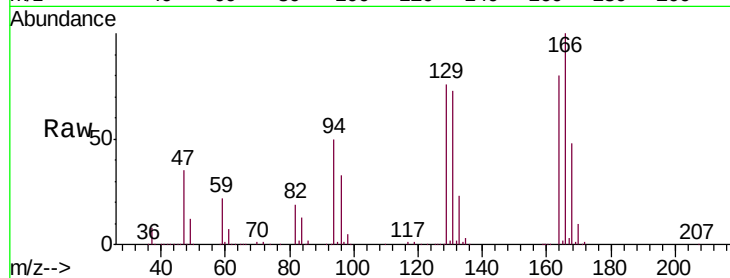
Ion Ratio Lower Upper

97 100

99 17.2 43.5 80.7#

83 233.2 60.8 112.8#

85 41.8 40.7 75.7

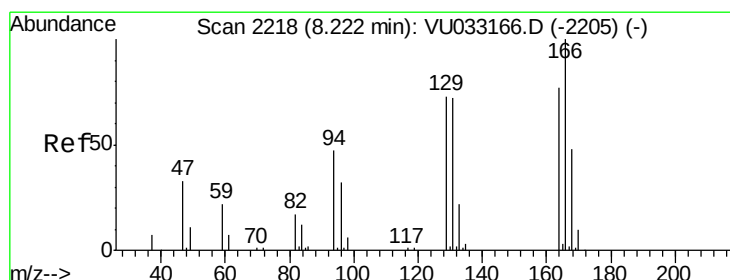
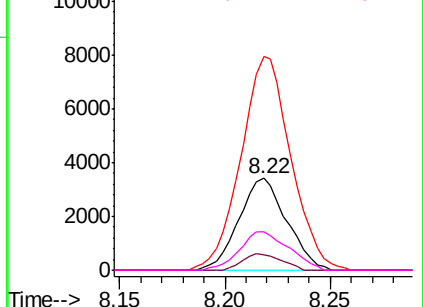
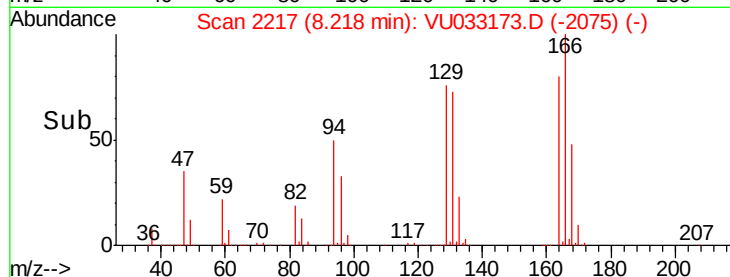


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 104.881 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033173.D

Acq: 03 Jul 2019 15:16

Tgt Ion:164 Resp: 598393

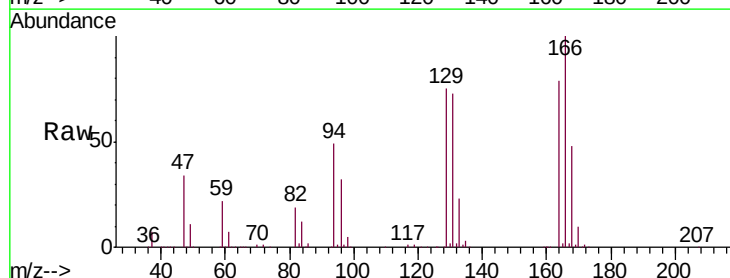
Ion Ratio Lower Upper

164 100

129 94.3 65.3 121.3

131 91.3 60.3 112.1

166 126.0 86.9 161.3

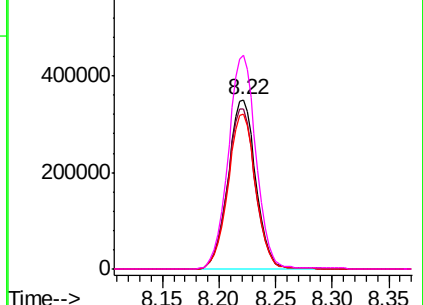
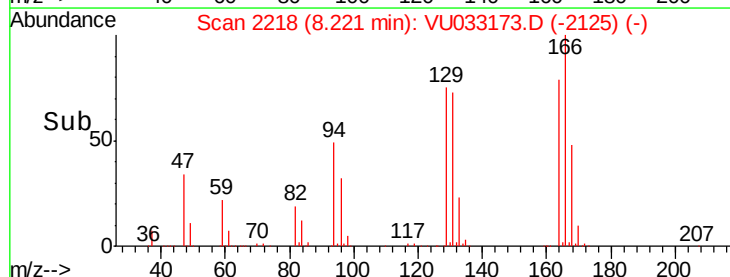


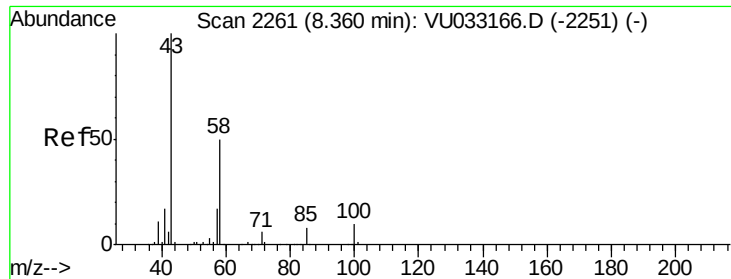
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

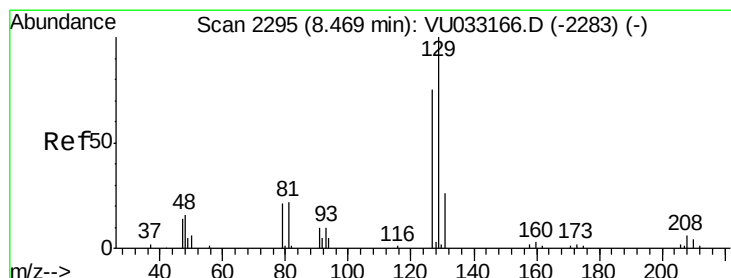
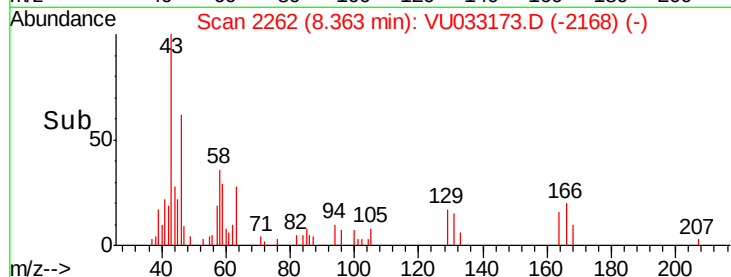
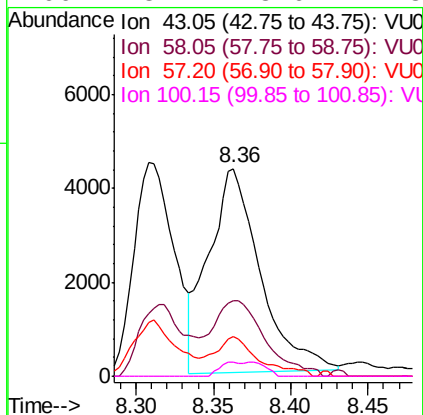
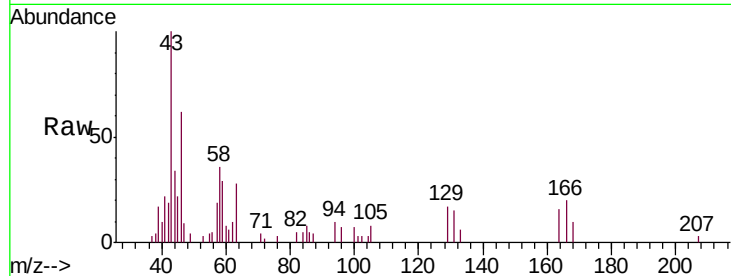




#48
2-Hexanone
Concen: 2.897 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU033173.D
Acq: 03 Jul 2019 15:16

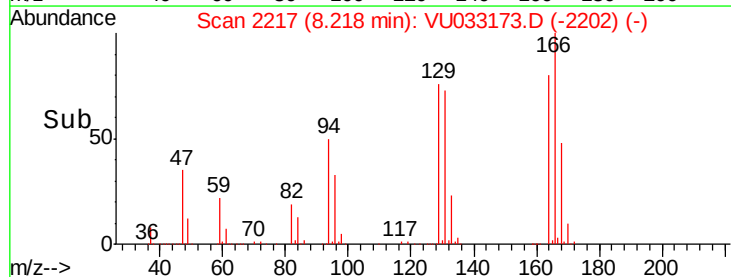
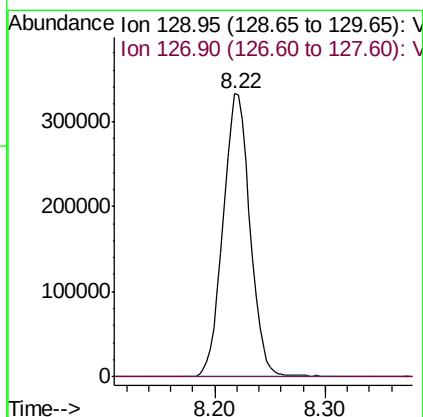
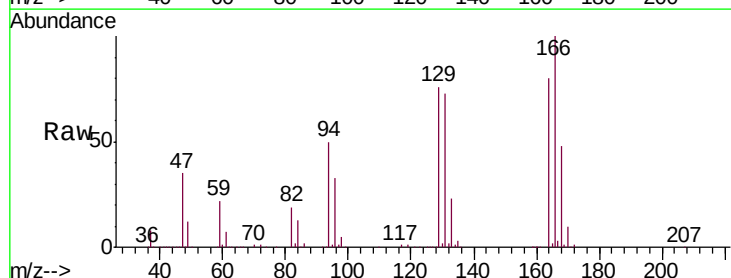
Instrument :
MSVOA_U
ClientSampleId :
GAM85MSD

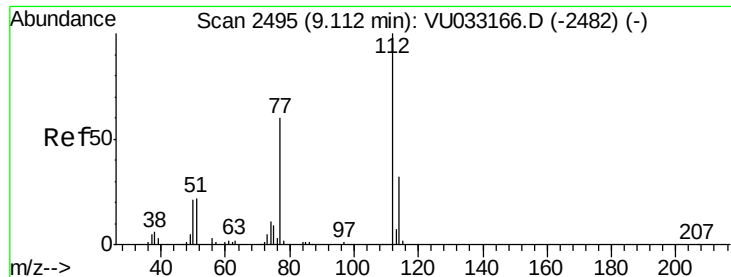
Tgt Ion:	43	Resp:	10105
Ion	Ratio	Lower	Upper
43	100		
58	37.8	39.0	58.6#
57	16.9	13.9	20.9
100	3.2	8.6	12.8#



#49
Dibromochloromethane
Concen: 92.852 ug/L
RT: 8.22 min Scan# 2217
Delta R.T. -0.25 min
Lab File: VU033173.D
Acq: 03 Jul 2019 15:16

Tgt Ion:	129	Resp:	564144
Ion	Ratio	Lower	Upper
129	100		
127	0.2	51.6	95.8#

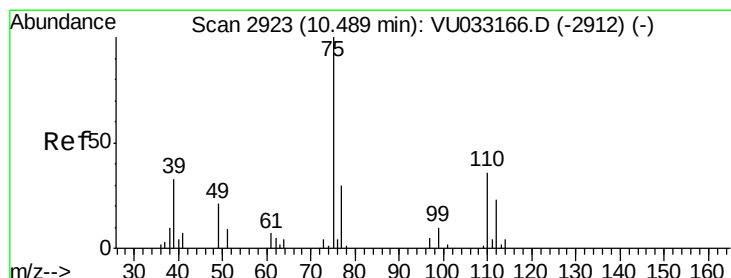
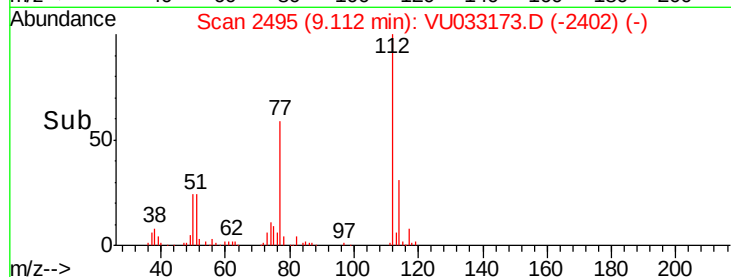
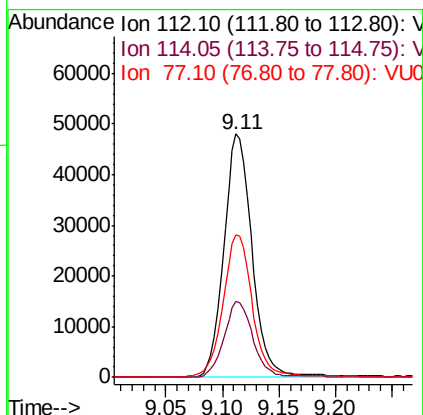
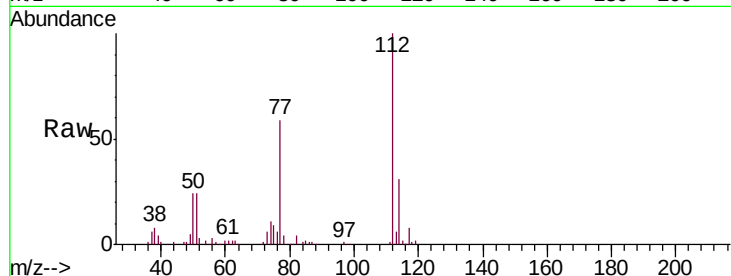




#51
Chlorobenzene
Concen: 4.673 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU033173.D
Acq: 03 Jul 2019 15:16

Instrument :
MSVOA_U
ClientSampleId :
GAM85MSD

Tgt Ion: 112 Resp: 83494
Ion Ratio Lower Upper
112 100
114 31.3 23.0 42.6
77 58.6 48.3 72.5



#59
1,2,3-Trichloropropane
Concen: 1.016 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033173.D
Acq: 03 Jul 2019 15:16

Tgt Ion: 75 Resp: 4789
Ion Ratio Lower Upper
75 100
77 38.9 25.8 38.8#

