

Data File : VU032247.D
Acq On : 23 May 2019 02:14
Operator : JC/SP
Sample : K3001-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE9

Quant Time: May 23 03:47:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 03:43:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	405476	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	401130	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	207720	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	114364	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.68	69	99899	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.27	63	169624	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	4.19	46	244223	38.02	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.04%
24) Chloroform-d	4.64	84	218665	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.20%
26) 1,2-Dichloroethane-d4	5.31	65	109583	3.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.20%
32) Benzene-d6	5.33	84	467712	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
36) 1,2-Dichloropropane-d6	6.33	67	139288	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.40%
41) Toluene-d8	7.56	98	401371	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	7.85	79	43758	3.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.60%
46) 2-Hexanone-d5	8.31	63	216653	40.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	106202	2.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	57.80%#
64) 1,2-Dichlorobenzene-d4	11.85	152	169436	2.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	59.20%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.31	85	20940	1.208	ug/L 96
3) Chloromethane	1.33	50	3437	0.198	ug/L 90
5) Vinyl chloride	1.40	62	1729	0.099	ug/L # 1
8) Chloroethane	1.69	64	15890	1.426	ug/L 95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2121	0.148	ug/L # 18
13) Acetone	2.32	43	14048	7.059	ug/L 98
19) 1,1-Dichloroethane	3.44	63	17907	0.749	ug/L 96
22) cis-1,2-Dichloroethene	4.22	96	11149	0.737	ug/L 88
27) 1,2-Dichloroethane	5.41	62	4831	0.321	ug/L 99
30) Cyclohexane	5.06	56	12952	0.665	ug/L # 14
33) Benzene	5.38	78	477759	8.805	ug/L 100
35) Methylcyclohexane	6.38	83	2713	0.126	ug/L # 1
37) 1,2-Dichloropropane	6.43	63	40570	3.105	ug/L # 96
42) Toluene	7.64	91	6458	0.112	ug/L 94
45) 1,1,2-Trichloroethane	8.04	97	14823	1.469	ug/L # 23
47) Tetrachloroethene	8.22	164	2085	0.173	ug/L 84
48) 2-Hexanone	8.37	43	11878	2.345	ug/L # 38

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 23 03:43:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.64	129	7295	0.635	ug/L #	13
53) m,p-Xylene	9.37	106	11318	0.524	ug/L	91
54) o-Xylene	9.78	106	5138	0.238	ug/L	84
56) Isopropylbenzene	10.16	105	2596797	47.632	ug/L	100
59) 1,2,3-Trichloropropane	10.74	75	1233	0.145	ug/L #	39

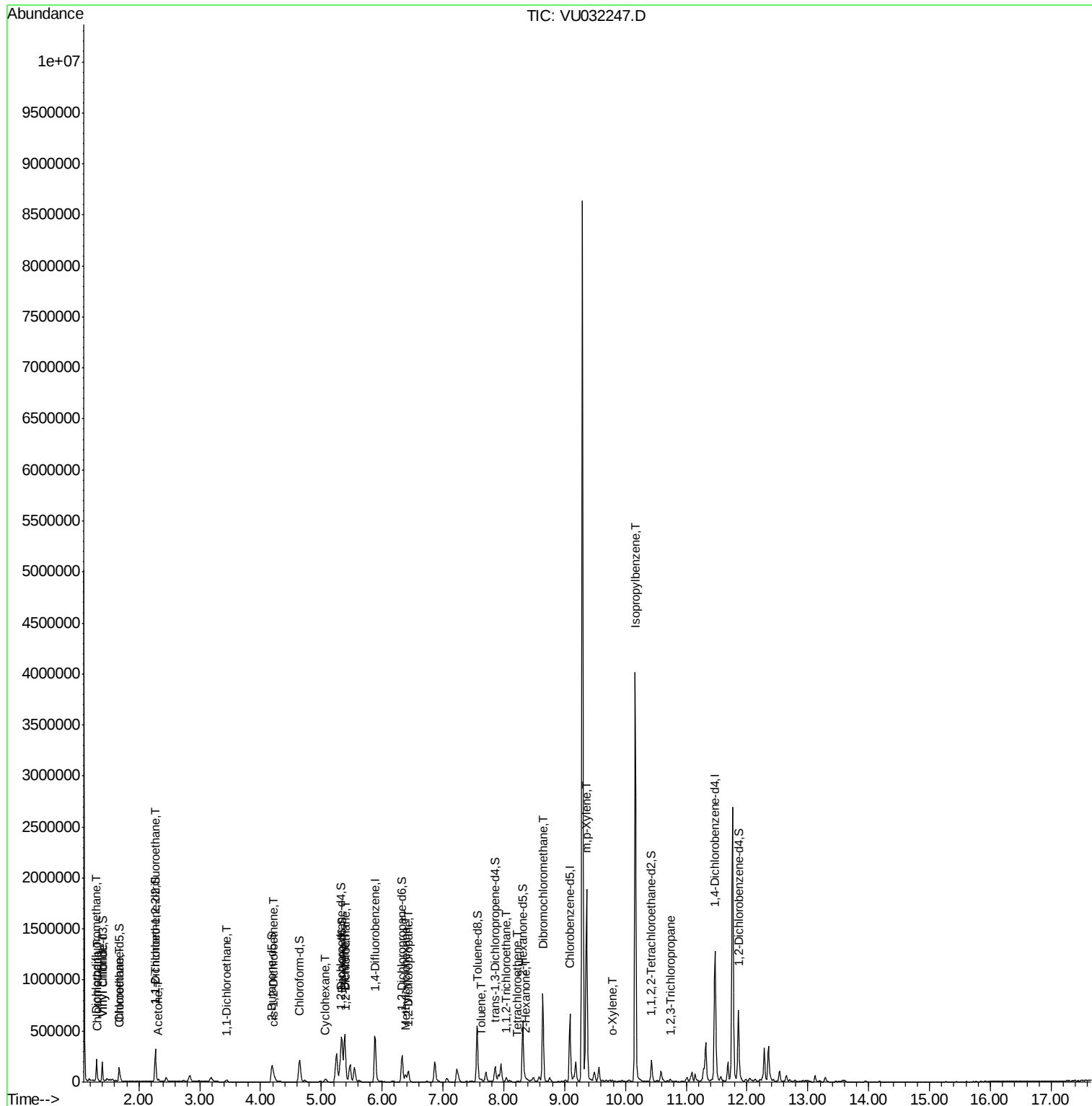
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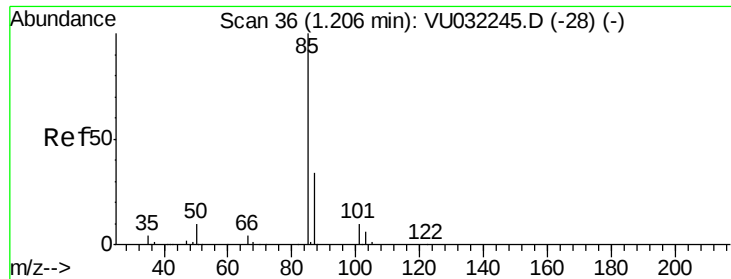
Data File : VU032247.D

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Operator    : JC/SP
Sample      : K3001-02
Misc        : 25.0mL/MSVOA_U/WATER
ALS Vial    : 35      Sample Multiplier: 1
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#2

Dichlorodifluoromethane

Concen: 1.208 ug/L

RT: 1.31 min Scan# 67

Delta R.T. 0.10 min

Lab File: VU032247.D

Acq: 23 May 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

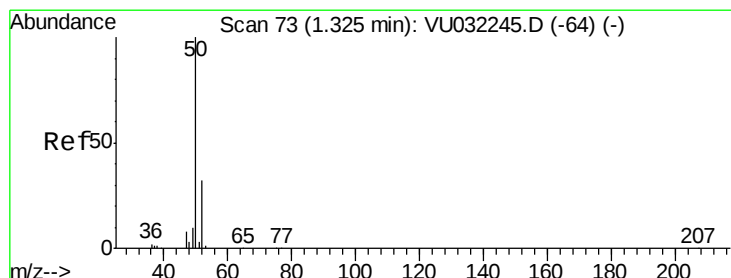
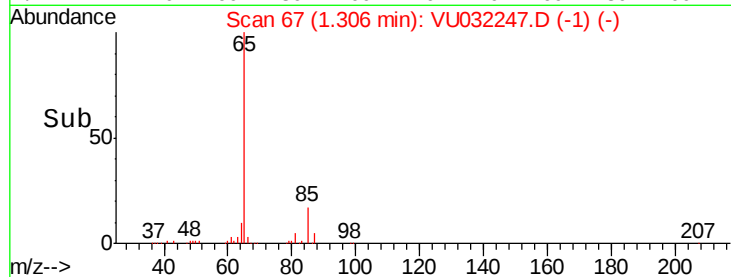
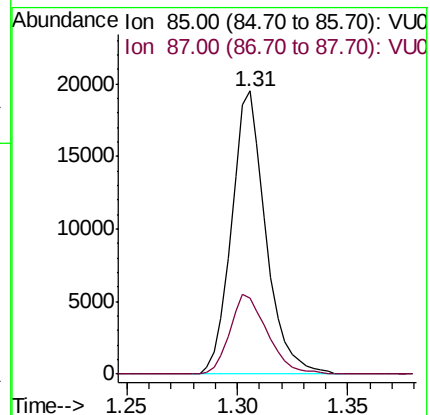
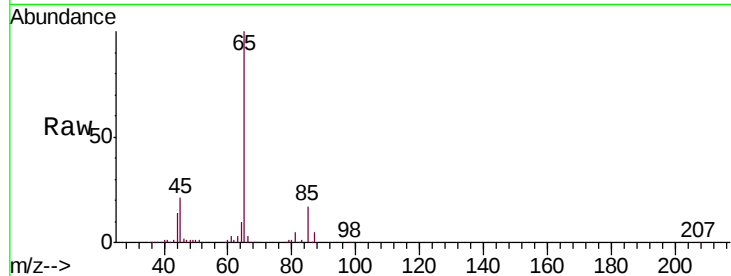
E3YE9

Tgt Ion: 85 Resp: 20940

Ion Ratio Lower Upper

85 100

87 30.8 26.6 39.8



#3

Chloromethane

Concen: 0.198 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032247.D

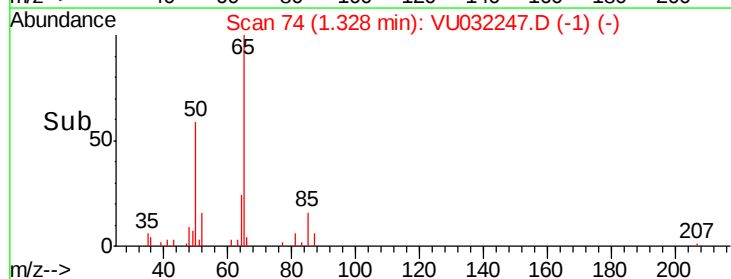
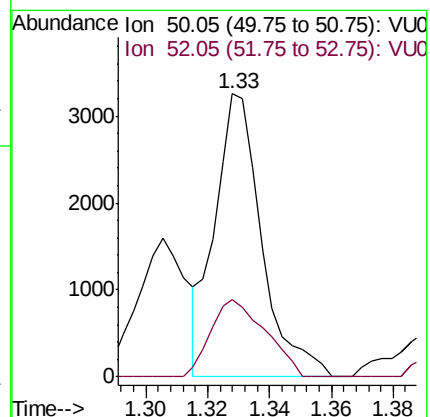
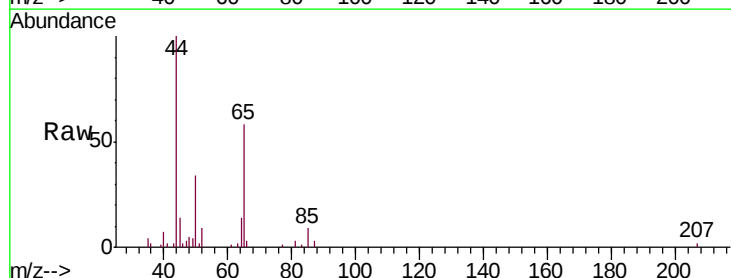
Acq: 23 May 2019 02:14

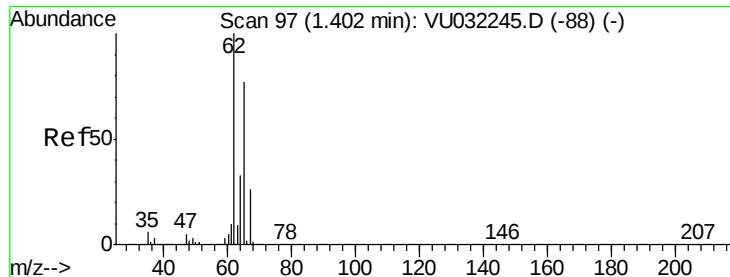
Tgt Ion: 50 Resp: 3437

Ion Ratio Lower Upper

50 100

52 27.4 23.3 43.3





#5

Vinyl chloride

Concen: 0.099 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032247.D

Acq: 23 May 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

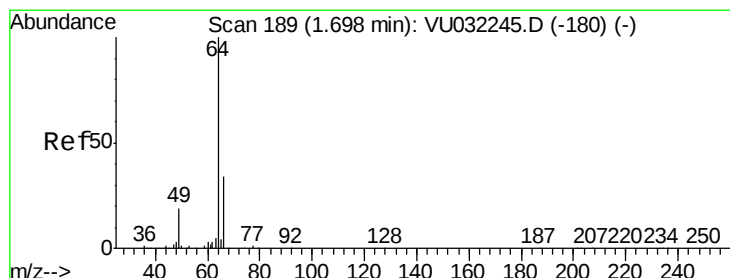
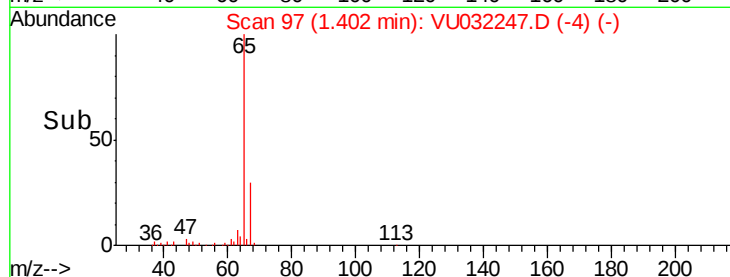
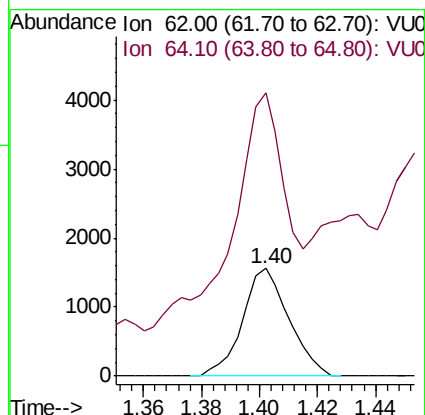
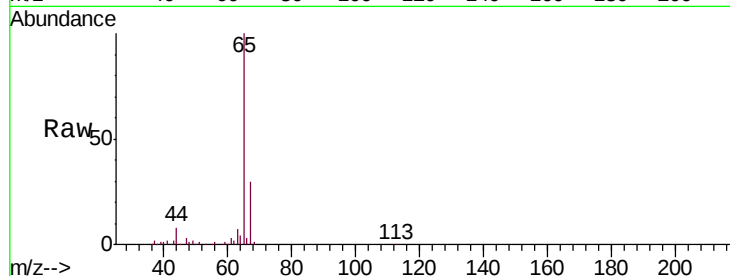
E3YE9

Tgt Ion: 62 Resp: 1729

Ion Ratio Lower Upper

62 100

64 262.3 24.4 45.2#



#8

Chloroethane

Concen: 1.426 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU032247.D

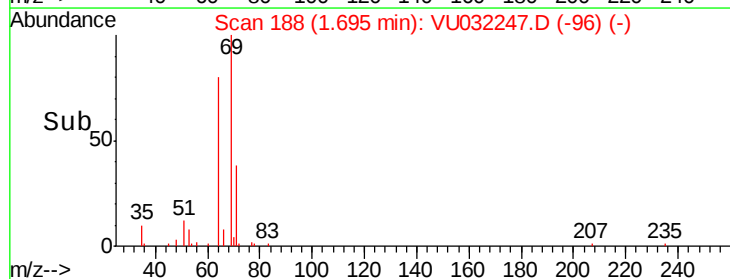
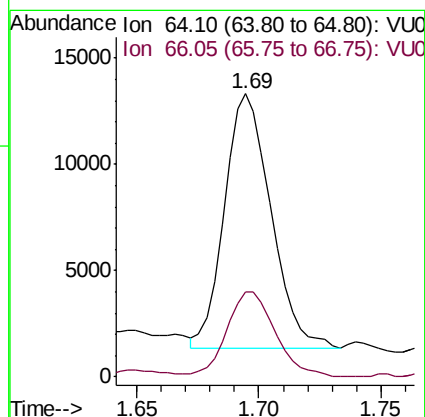
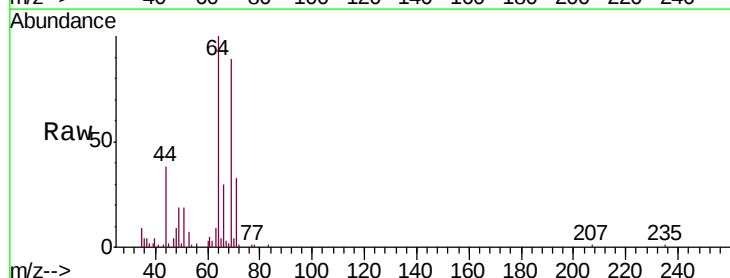
Acq: 23 May 2019 02:14

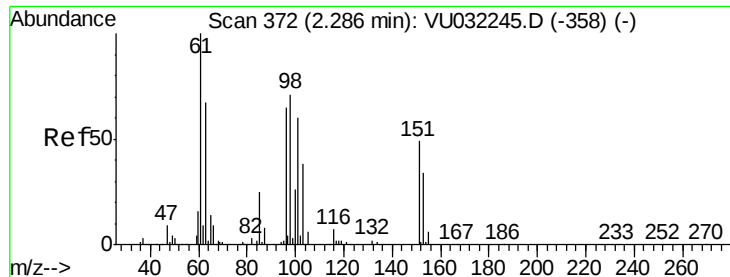
Tgt Ion: 64 Resp: 15890

Ion Ratio Lower Upper

64 100

66 30.0 23.1 42.9





#10

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

Concen: 0.148 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032247.D

Acq: 23 May 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

E3YE9

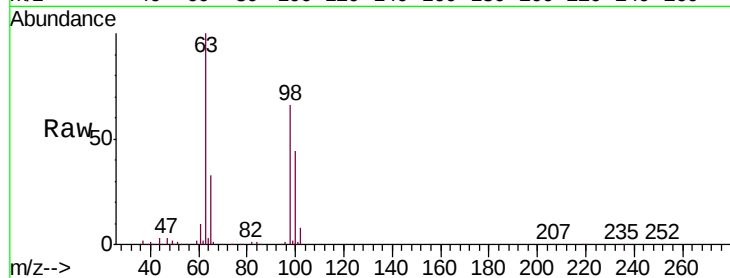
Tgt Ion:101 Resp: 2121

Ion Ratio Lower Upper

101 100

85 1.9 34.2 51.4#

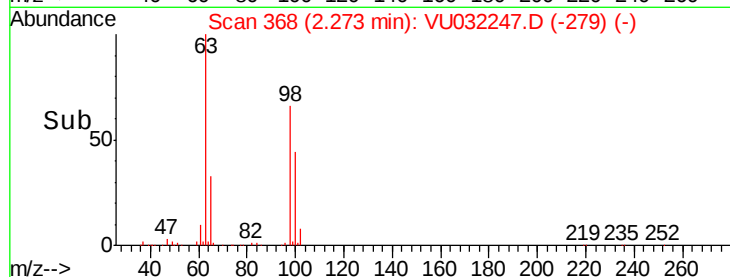
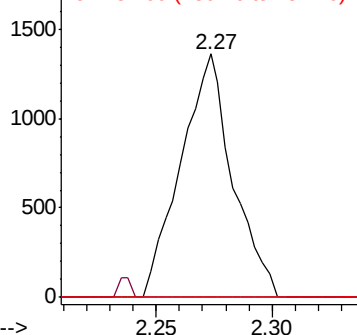
151 0.0 64.4 96.6#



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



#13

Acetone

Concen: 7.059 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032247.D

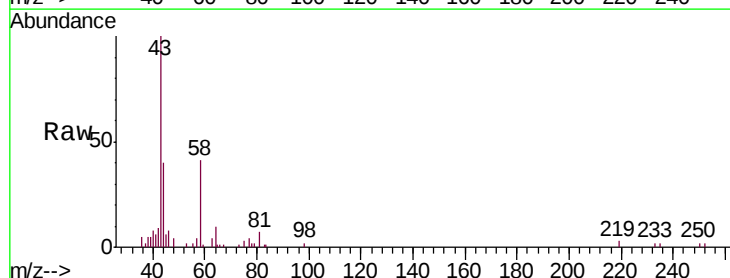
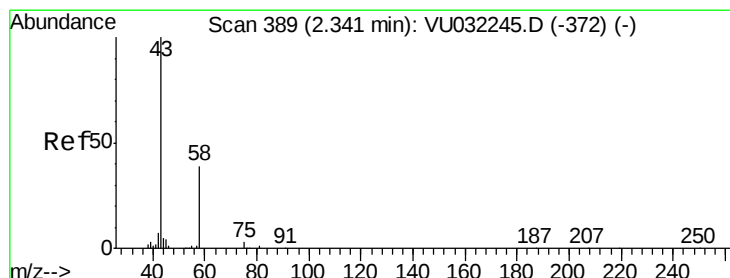
Acq: 23 May 2019 02:14

Tgt Ion: 43 Resp: 14048

Ion Ratio Lower Upper

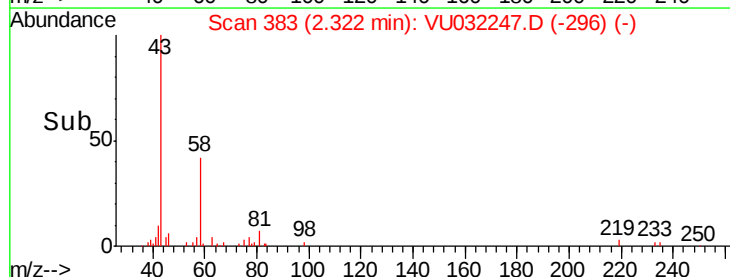
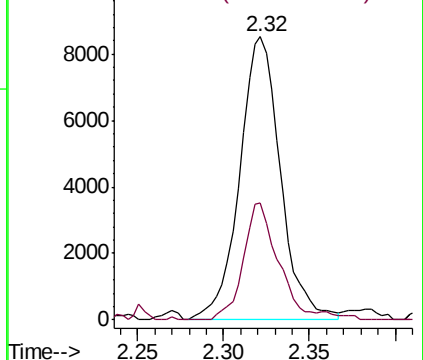
43 100

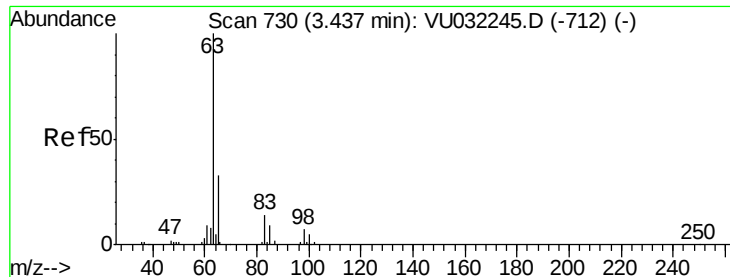
58 34.9 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

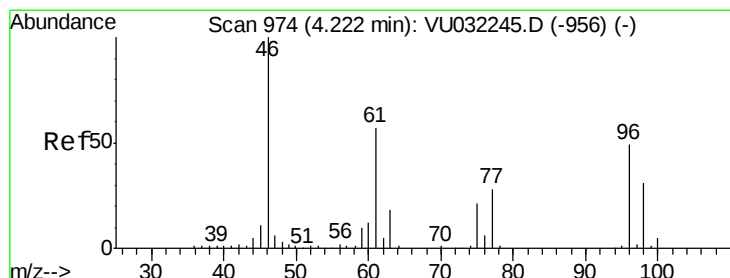
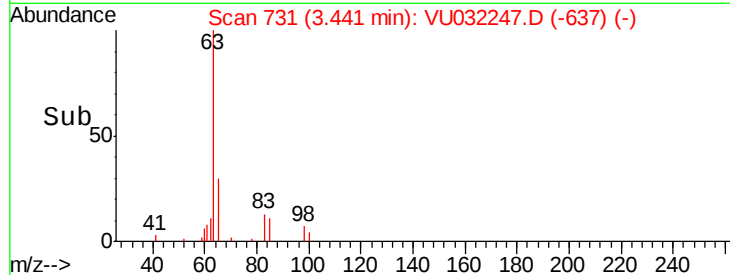
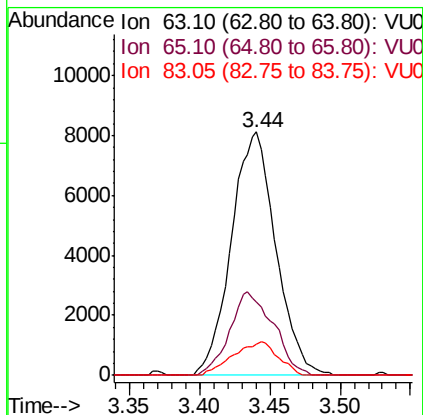
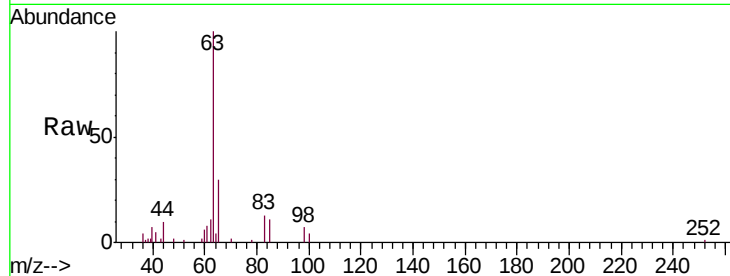




#19
 1,1-Dichloroethane
 Concen: 0.749 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032247.D
 Acq: 23 May 2019 02:14

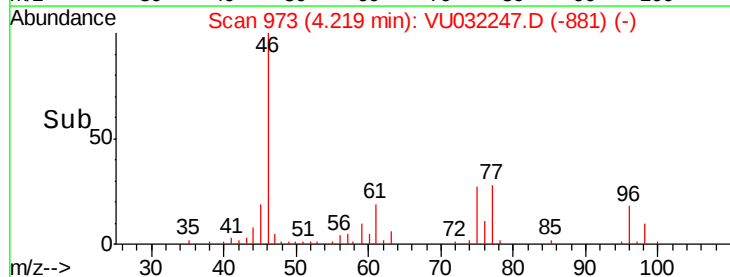
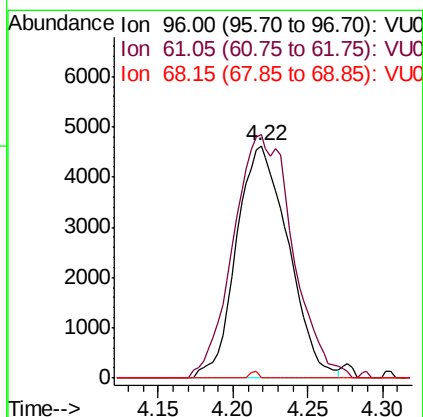
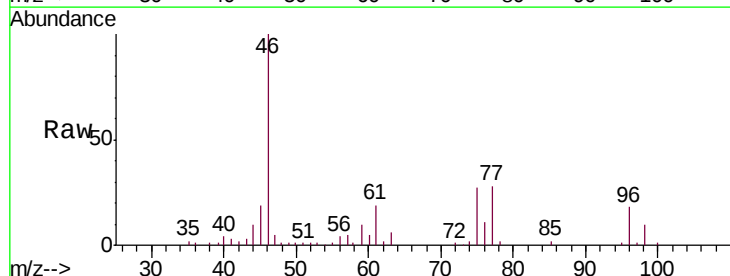
Instrument :
 MSVOA_U
 ClientSampled :
 E3YE9

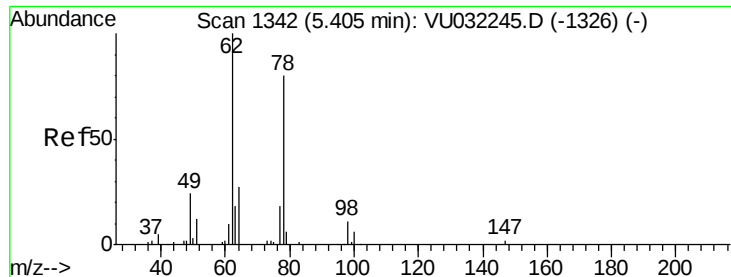
Tgt Ion:	63	Resp:	17907
Ion	Ratio	Lower	Upper
63	100		
65	30.2	23.5	43.7
83	12.6	8.8	16.3



#22
 cis-1,2-Dichloroethene
 Concen: 0.737 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032247.D
 Acq: 23 May 2019 02:14

Tgt Ion:	96	Resp:	11149
Ion	Ratio	Lower	Upper
96	100		
61	104.8	82.5	153.1
68	0.0	0.0	0.0





#27

1,2-Dichloroethane

Concen: 0.321 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.00 min

Lab File: VU032247.D

Acq: 23 May 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

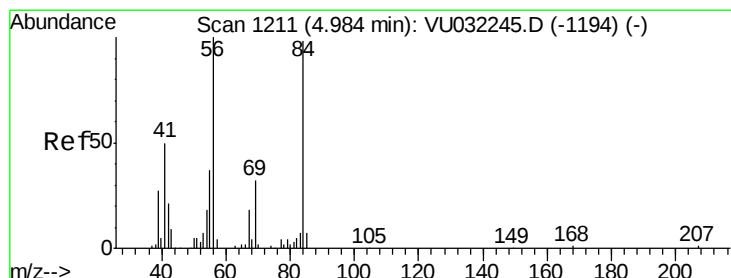
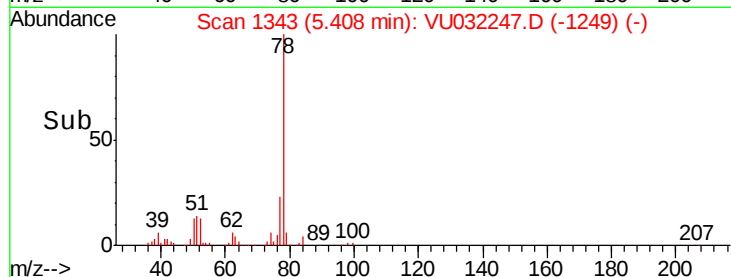
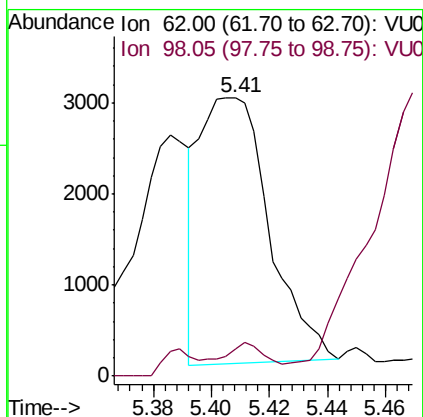
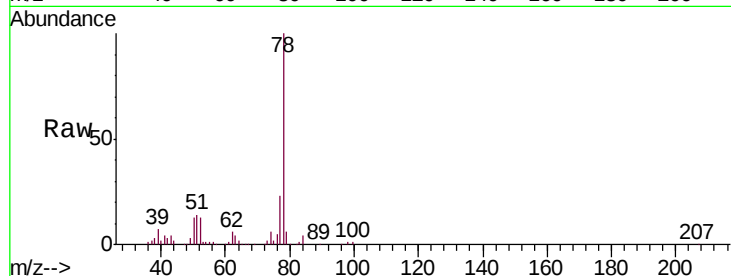
E3YE9

Tgt Ion: 62 Resp: 4831

Ion Ratio Lower Upper

62 100

98 9.9 8.2 12.2



#30

Cyclohexane

Concen: 0.665 ug/L

RT: 5.06 min Scan# 1236

Delta R.T. 0.08 min

Lab File: VU032247.D

Acq: 23 May 2019 02:14

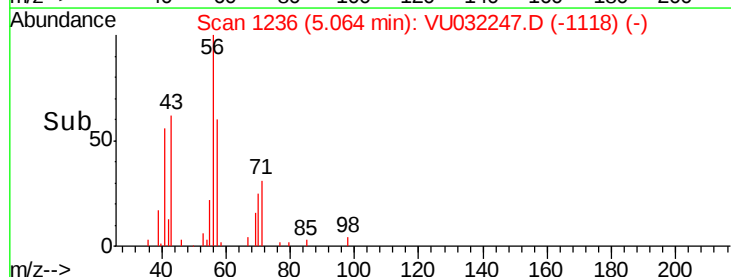
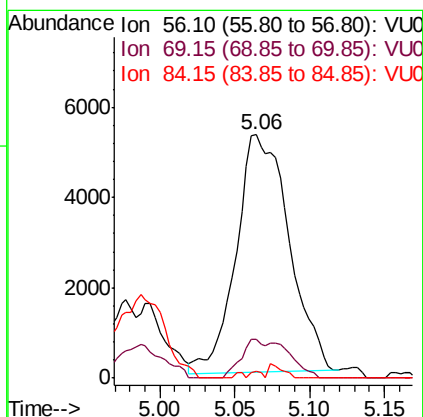
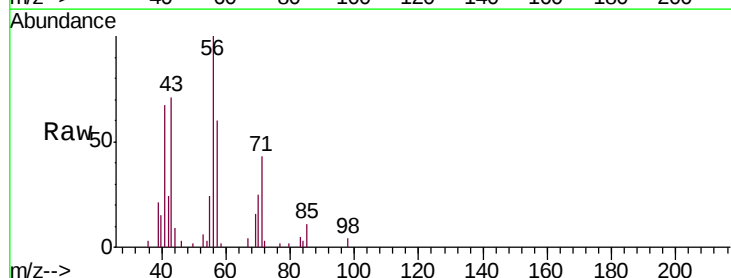
Tgt Ion: 56 Resp: 12952

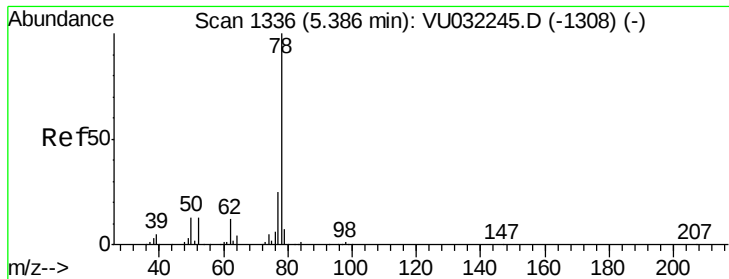
Ion Ratio Lower Upper

56 100

69 0.0 26.6 39.8#

84 1.6 75.0 112.6#

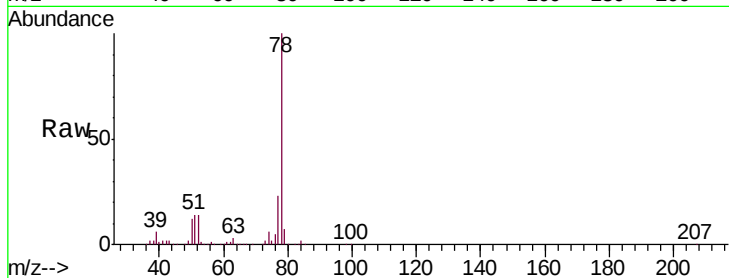




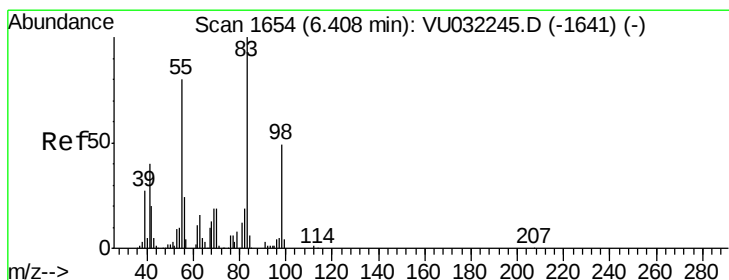
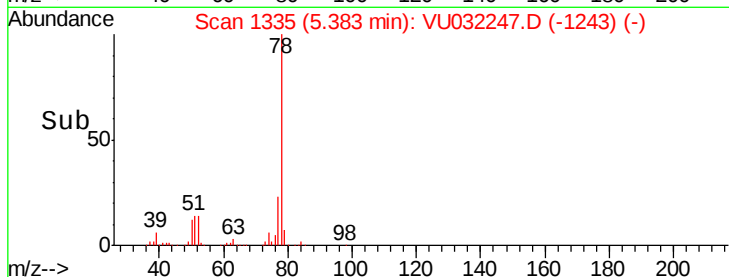
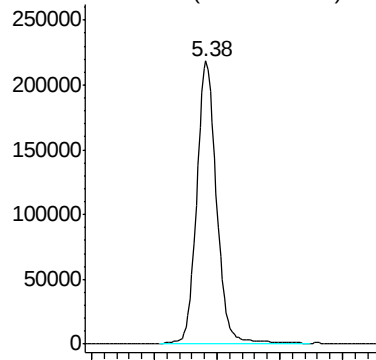
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Benzene
Concen: 8.805 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU032247.D
Acq: 23 May 2019 02:14

Instrument :
MSVOA_U
ClientSampleId :
E3YE9

Tgt Ion: 78 Resp: 477759

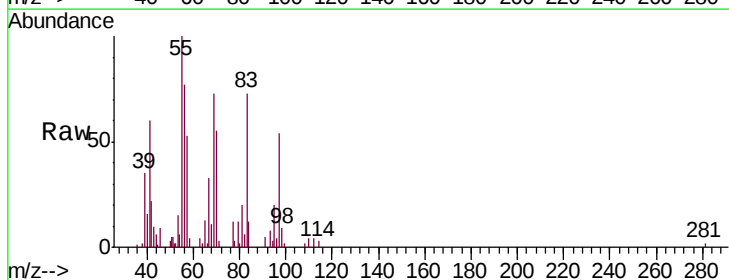


Abundance Ion 78.10 (77.80 to 78.80): VU0

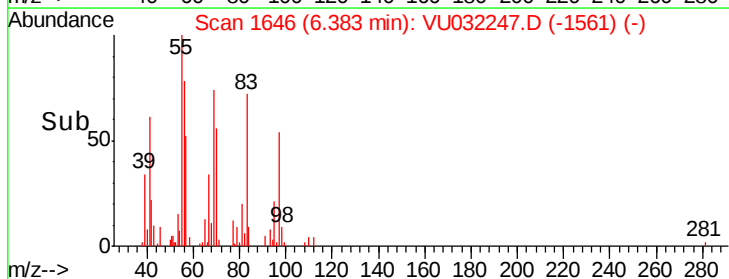
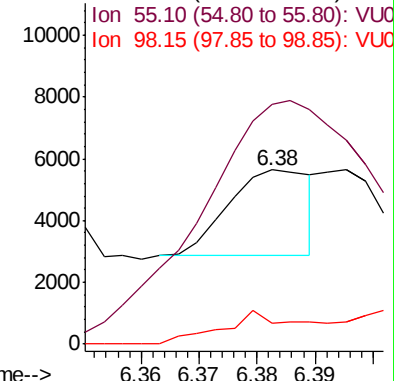


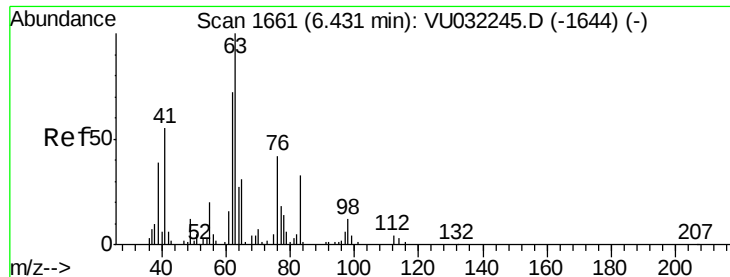
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Methylcyclohexane
Concen: 0.126 ug/L
RT: 6.38 min Scan# 1646
Delta R.T. -0.03 min
Lab File: VU032247.D
Acq: 23 May 2019 02:14

Tgt Ion: 83 Resp: 2713
Ion Ratio Lower Upper
83 100
55 677.2 59.7 89.5#
98 38.4 37.5 56.3



Abundance Ion 83.15 (82.85 to 83.85): VU0

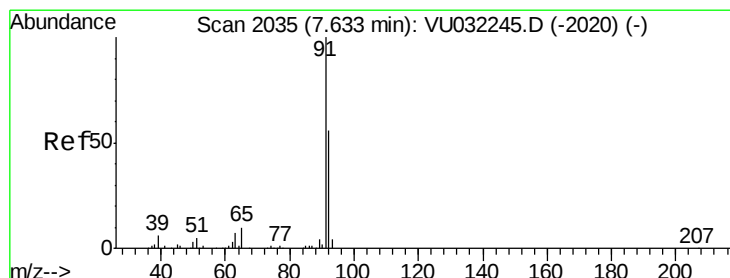
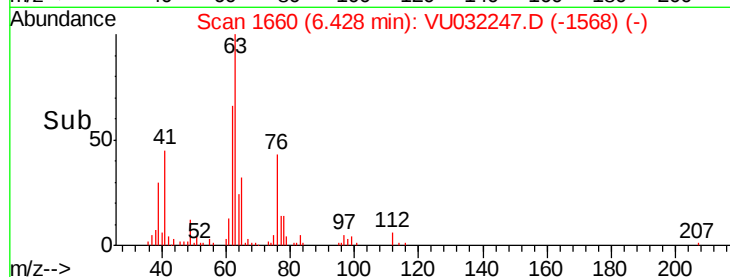
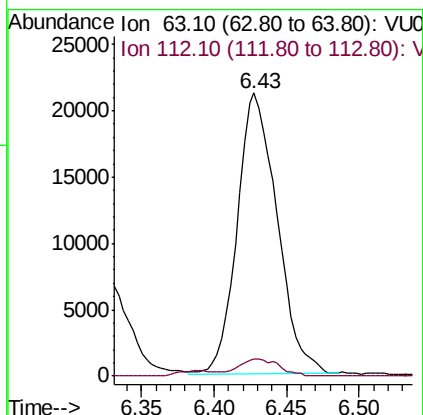
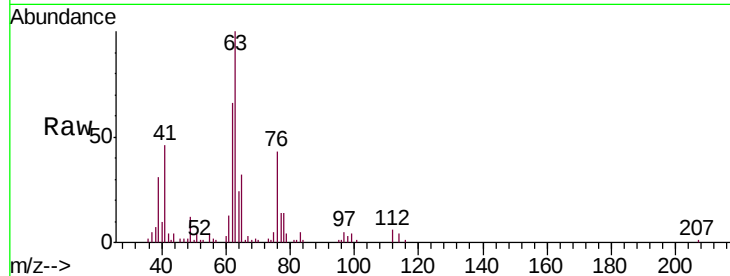




#37
 1,2-Dichloropropane
 Concen: 3.105 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032247.D
 Acq: 23 May 2019 02:14

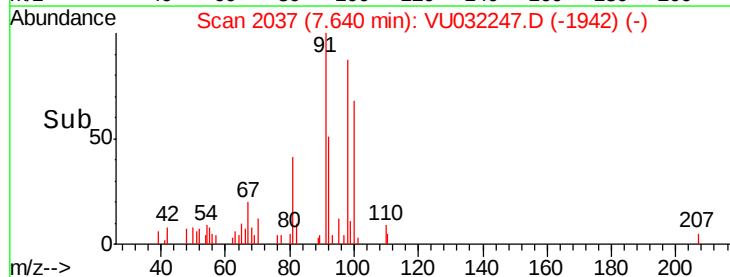
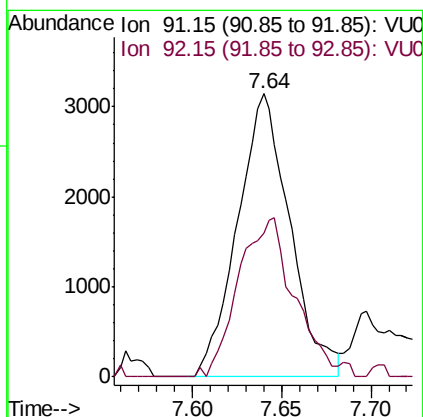
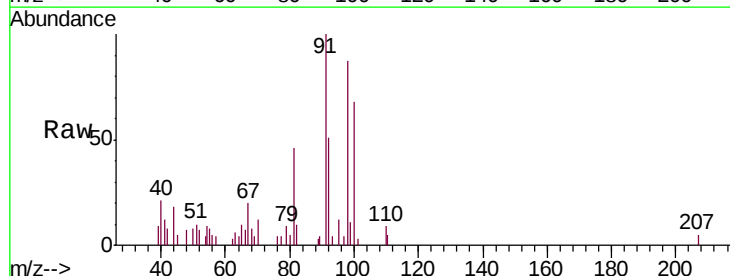
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE9

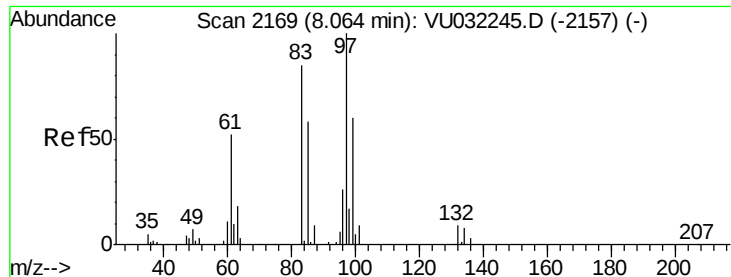
Tgt Ion: 63 Resp: 40570
 Ion Ratio Lower Upper
 63 100
 112 6.2 3.8 5.8#



#42
 Toluene
 Concen: 0.112 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU032247.D
 Acq: 23 May 2019 02:14

Tgt Ion: 91 Resp: 6458
 Ion Ratio Lower Upper
 91 100
 92 50.7 38.5 71.5

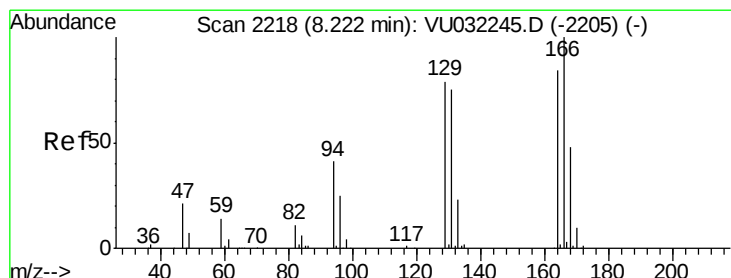
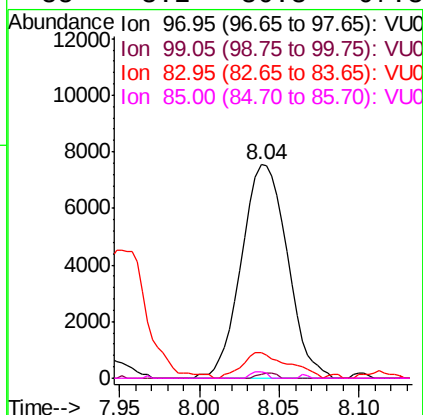
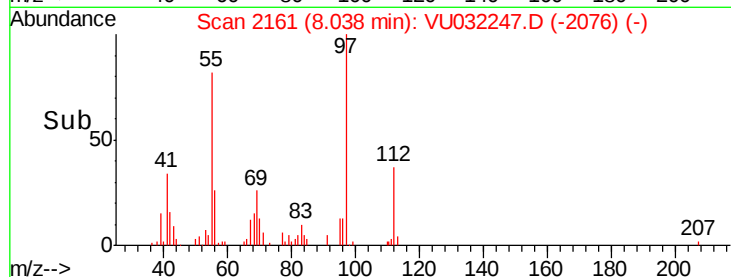
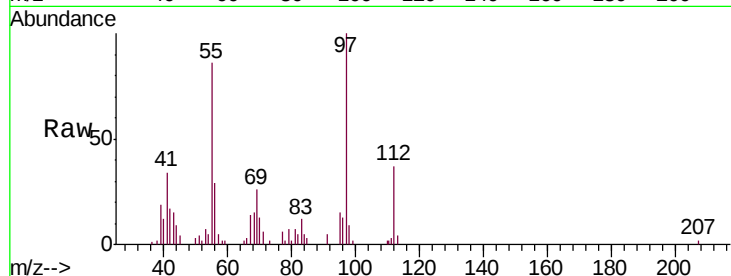




#45
1,1,2-Trichloroethane
Concen: 1.469 ug/L
RT: 8.04 min Scan# 2161
Delta R.T. -0.03 min
Lab File: VU032247.D
Acq: 23 May 2019 02:14

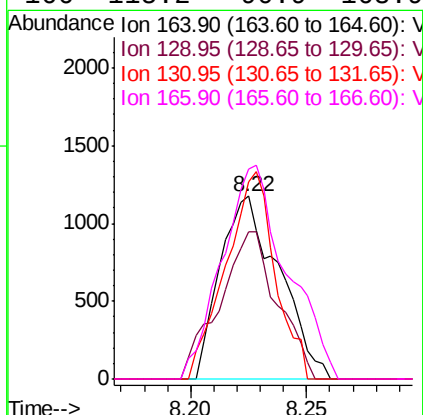
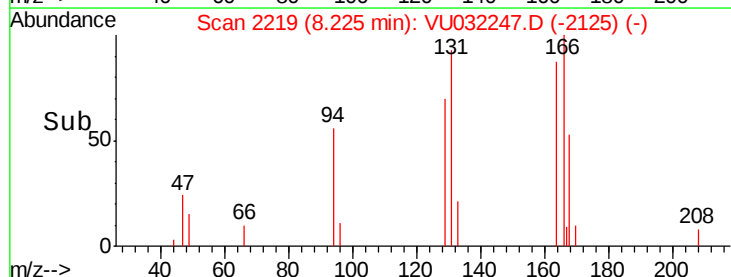
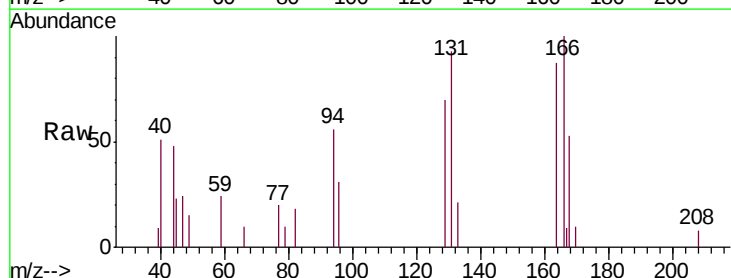
Instrument :
MSVOA_U
ClientSampleId :
E3YE9

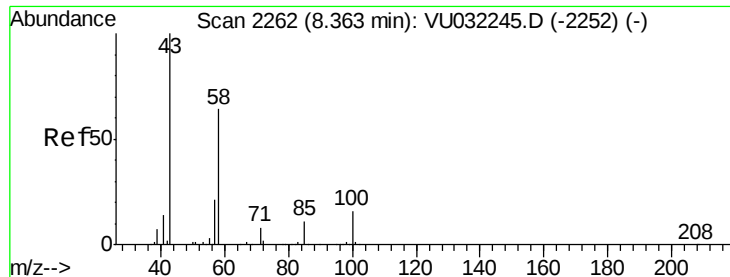
Tgt Ion: 97 Resp: 14823
Ion Ratio Lower Upper
97 100
99 1.8 44.2 82.0#
83 12.2 60.5 112.3#
85 3.2 36.3 67.3#



#47
Tetrachloroethene
Concen: 0.173 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032247.D
Acq: 23 May 2019 02:14

Tgt Ion: 164 Resp: 2085
Ion Ratio Lower Upper
164 100
129 80.6 67.1 124.7
131 107.7 62.2 115.4
166 115.2 90.9 168.9

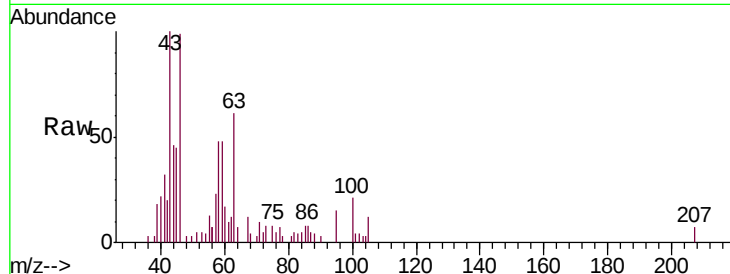




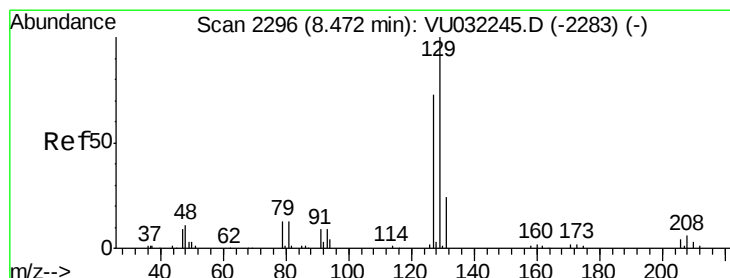
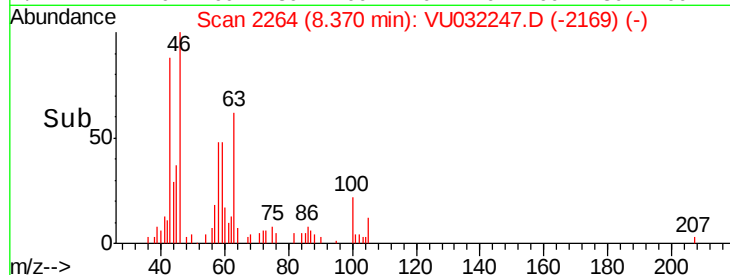
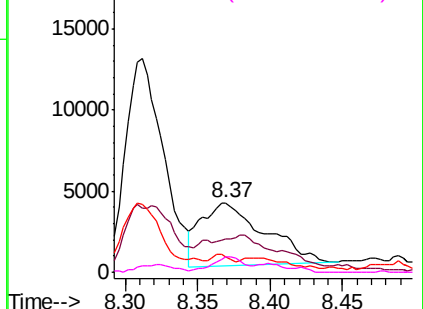
#48
2-Hexanone
Concen: 2.345 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032247.D
Acq: 23 May 2019 02:14

Instrument :
MSVOA_U
ClientSampleId :
E3YE9

Tgt Ion: 43 Resp: 11878
Ion Ratio Lower Upper
43 100
58 0.0 49.7 74.5#
57 0.0 17.1 25.7#
100 11.7 11.6 17.4

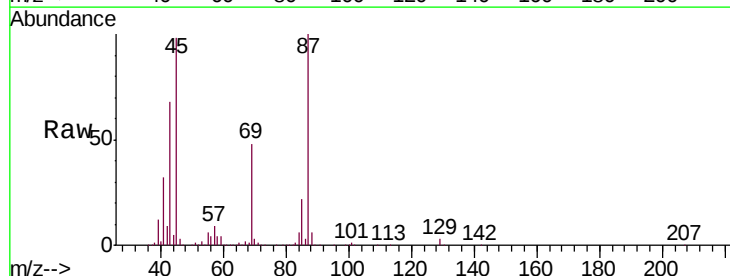


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

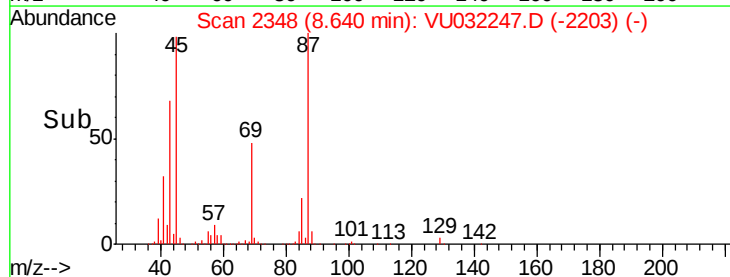
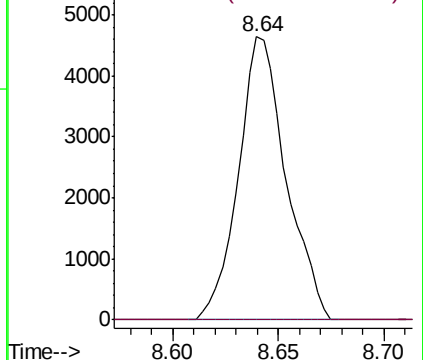


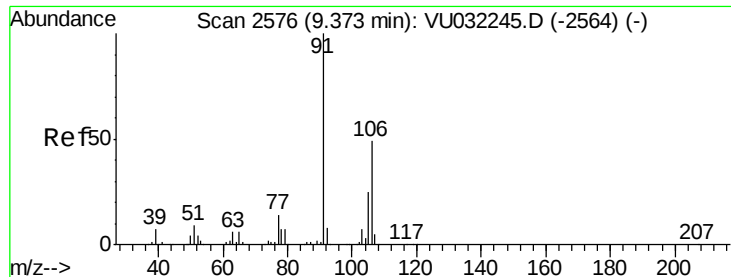
#49
Dibromochloromethane
Concen: 0.635 ug/L
RT: 8.64 min Scan# 2348
Delta R.T. 0.17 min
Lab File: VU032247.D
Acq: 23 May 2019 02:14

Tgt Ion: 129 Resp: 7295
Ion Ratio Lower Upper
129 100
127 0.0 51.7 95.9#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#53

m,p-Xylene

Concen: 0.524 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032247.D

Acq: 23 May 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

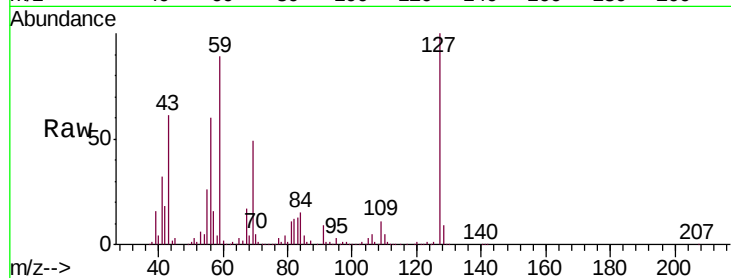
E3YE9

Tgt Ion:106 Resp: 11318

Ion Ratio Lower Upper

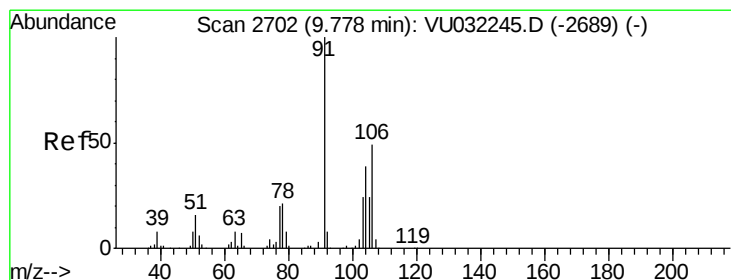
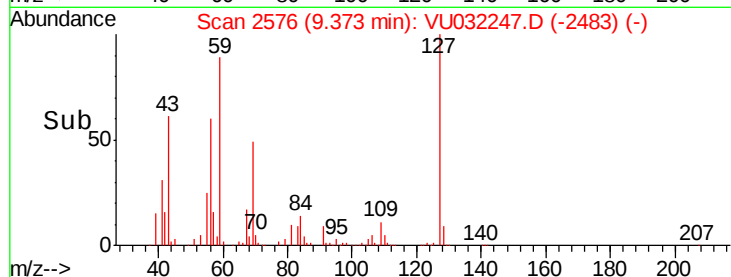
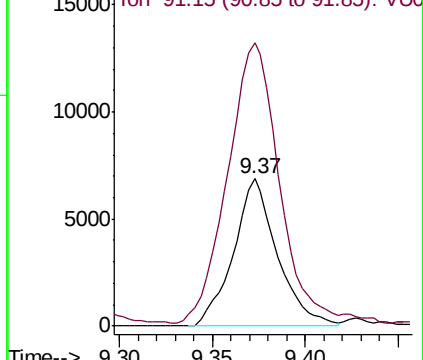
106 100

91 191.8 143.9 267.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.238 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU032247.D

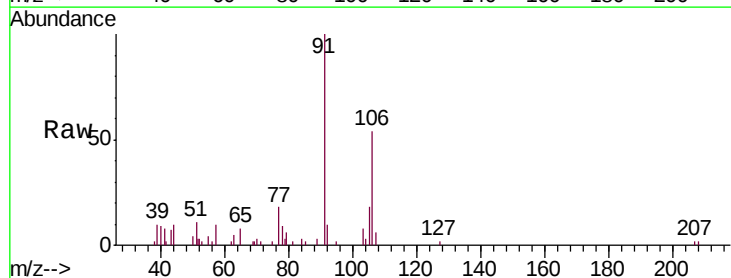
Acq: 23 May 2019 02:14

Tgt Ion:106 Resp: 5138

Ion Ratio Lower Upper

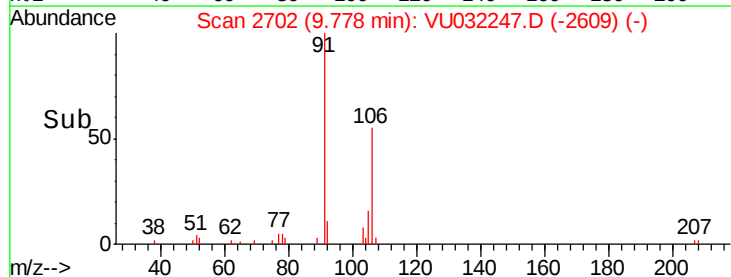
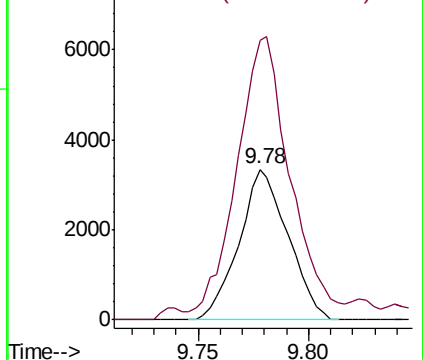
106 100

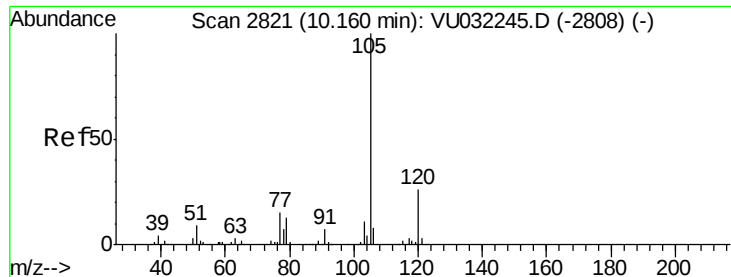
91 185.6 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 47.632 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032247.D

Acq: 23 May 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

E3YE9

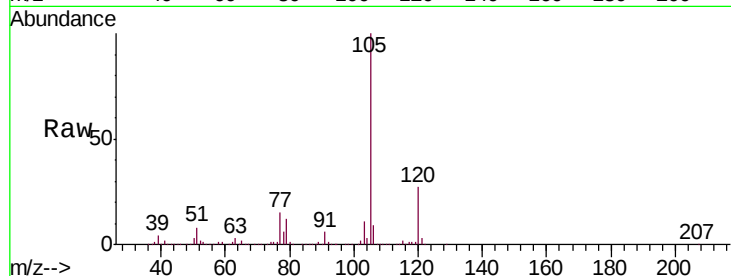
Tgt Ion:105 Resp: 2596797

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.6

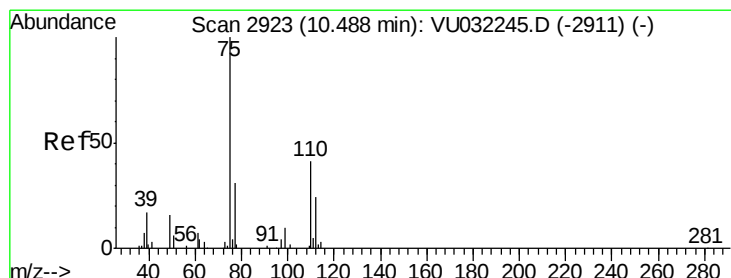
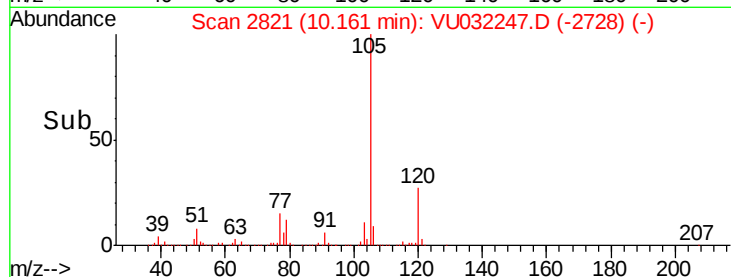
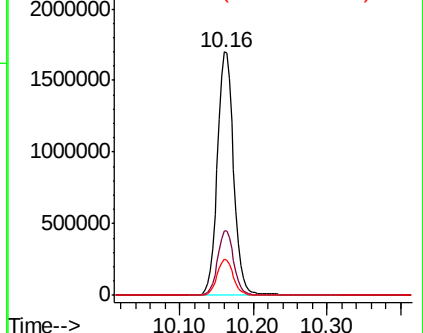
77 14.8 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU



#59

1,2,3-Trichloropropane

Concen: 0.145 ug/L

RT: 10.74 min Scan# 3000

Delta R.T. 0.25 min

Lab File: VU032247.D

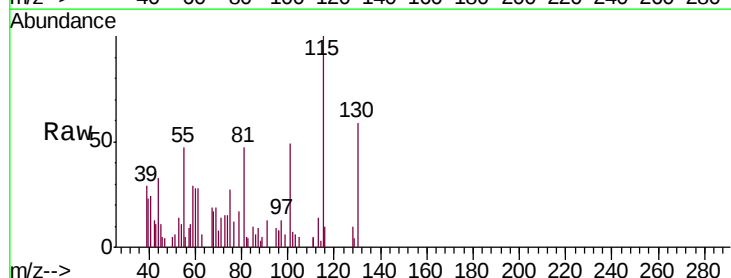
Acq: 23 May 2019 02:14

Tgt Ion: 75 Resp: 1233

Ion Ratio Lower Upper

75 100

77 0.0 28.2 42.4#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

