

Data File : VU032267.D
Acq On : 23 May 2019 14:25
Operator : JC/SP
Sample : K3001-06DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YF1DL

Quant Time: May 24 01:39:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 24 01:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	359814	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	362618	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	141251	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	101578	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.68	69	88059	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.27	63	157319	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.20	46	225294	39.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.06%
24) Chloroform-d	4.64	84	199843	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.40%
26) 1,2-Dichloroethane-d4	5.31	65	100520	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
32) Benzene-d6	5.33	84	410122	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
36) 1,2-Dichloropropane-d6	6.33	67	120349	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	72.00%
41) Toluene-d8	7.56	98	336163	3.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.20%#
43) trans-1,3-Dichloropropene-	7.85	79	38979	3.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.60%
46) 2-Hexanone-d5	8.31	63	187342	38.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	102006	3.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	61.40%#
64) 1,2-Dichlorobenzene-d4	11.86	152	125645	3.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	64.60%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.30	85	8018	0.521 ug/L	93
3) Chloromethane	1.32	50	2362	0.153 ug/L	90
12) 1,1-Dichloroethene	2.28	96	14278	1.115 ug/L #	1
13) Acetone	2.34	43	4390	2.486 ug/L	66
16) Methylene chloride	2.69	84	1911	0.112 ug/L	93
18) trans-1,2-Dichloroethene	2.97	96	1212	0.088 ug/L	87
19) 1,1-Dichloroethane	3.44	63	105550	4.972 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	9806	0.731 ug/L	93
29) 1,1,1-Trichloroethane	4.91	97	101464	5.391 ug/L	98
31) Carbon tetrachloride	4.90	117	14193	0.856 ug/L	92
34) Trichloroethene	6.18	95	13472	1.023 ug/L	92
35) Methylcyclohexane	6.32	83	28745	1.482 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	13193	1.117 ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	2856	0.170 ug/L #	66
44) trans-1,3-Dichloropropene	7.85	75	1578	0.119 ug/L #	34
47) Tetrachloroethene	8.22	164	6806	0.626 ug/L	86
48) 2-Hexanone	8.37	43	7045	1.539 ug/L #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052319\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 24 01:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.22	129	6408	0.617	ug/L #	13
59) 1,2,3-Trichloropropane	11.48	75	15056	1.958	ug/L	97

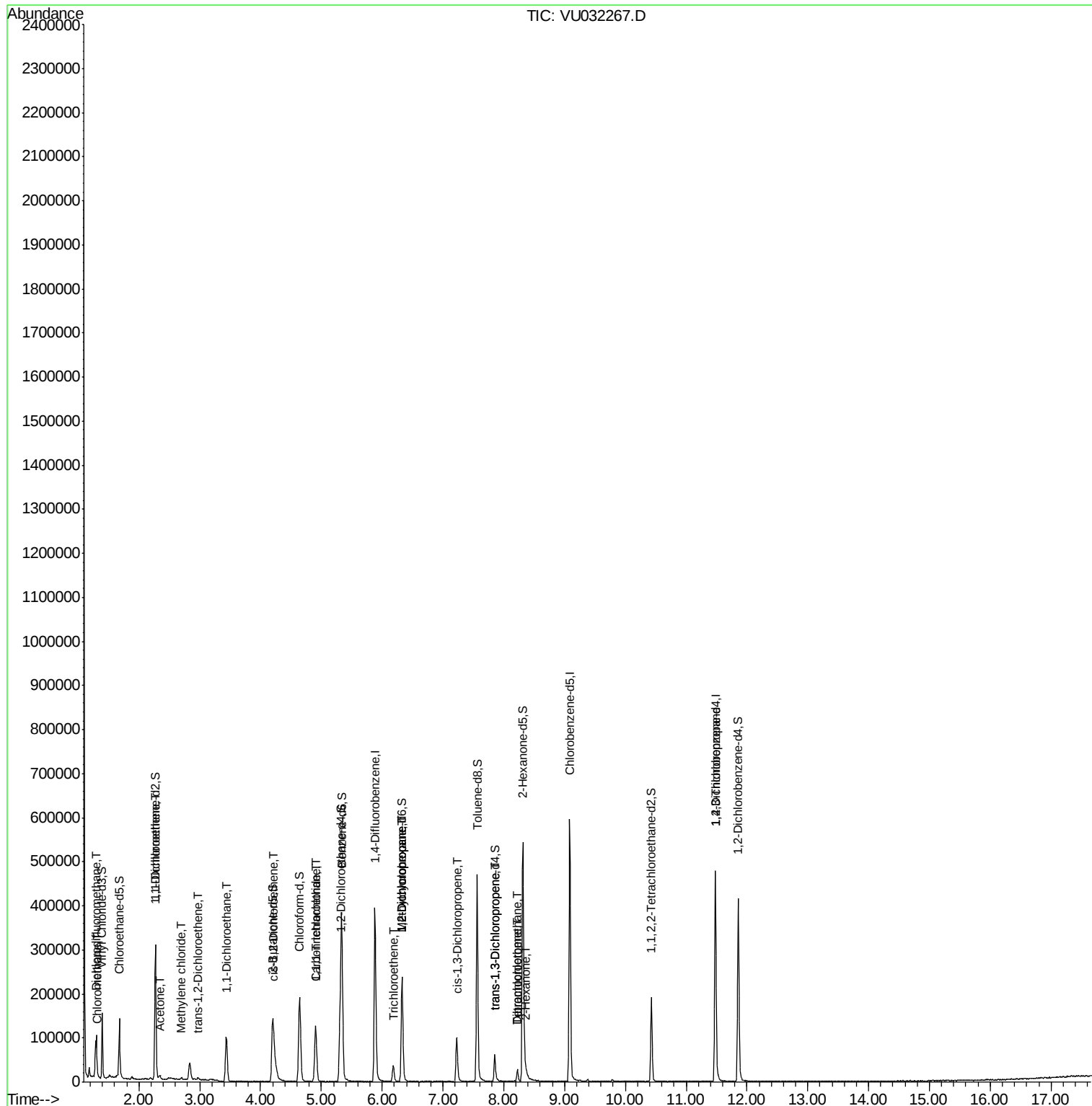
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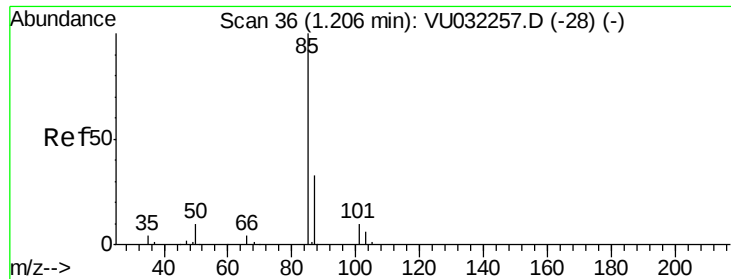
Data File : VU032267.D

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ALS Vial    : 15      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
E3YF1DL

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 24 01:34:27 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.521 ug/L

RT: 1.30 min Scan# 66

Delta R.T. 0.10 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

Instrument :

MSVOA_U

ClientSampleId :

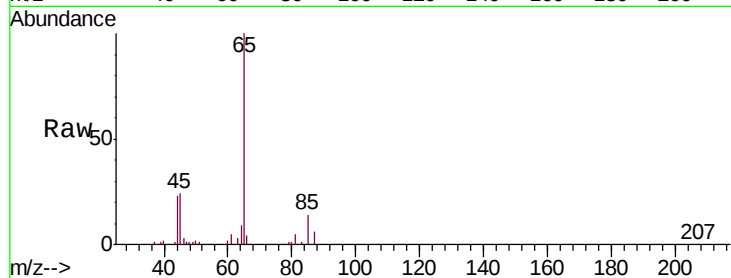
E3YF1DL

Tgt Ion: 85 Resp: 8018

Ion Ratio Lower Upper

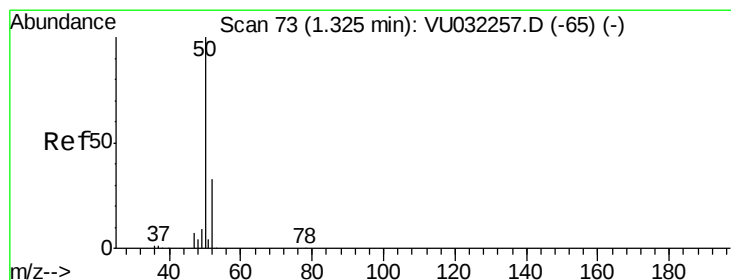
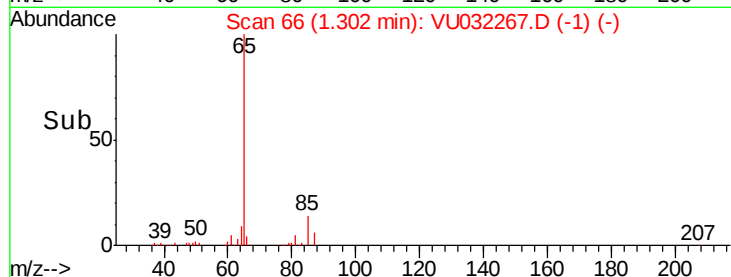
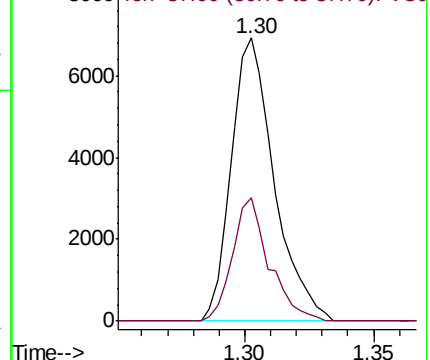
85 100

87 37.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU032267.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU032267.D (-1) (-)



#3

Chloromethane

Concen: 0.153 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032267.D

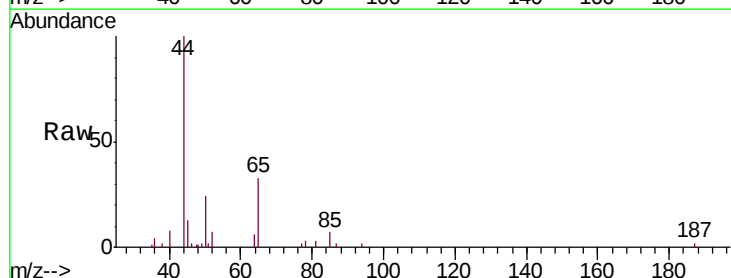
Acq: 23 May 2019 14:25

Tgt Ion: 50 Resp: 2362

Ion Ratio Lower Upper

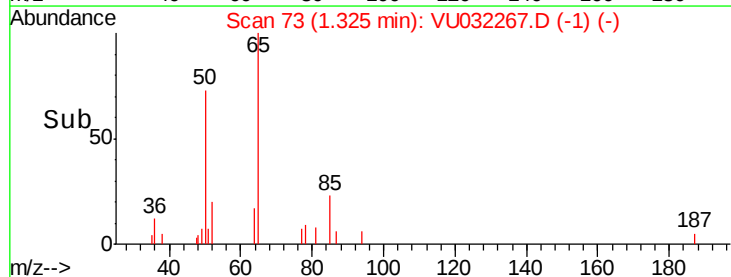
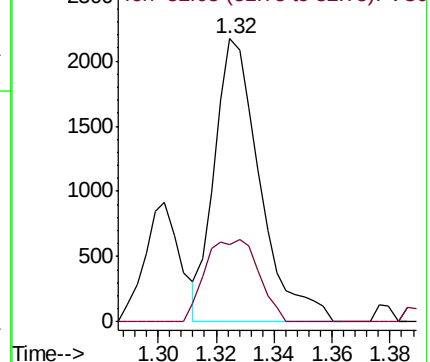
50 100

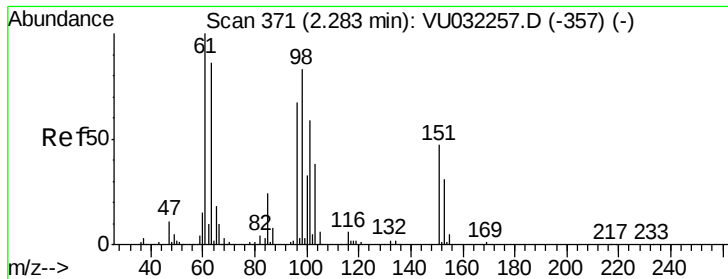
52 27.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU032267.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU032267.D (-1) (-)





#12

1,1-Dichloroethene

Concen: 1.115 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

Instrument :

MSVOA_U

ClientSampleId :

E3YF1DL

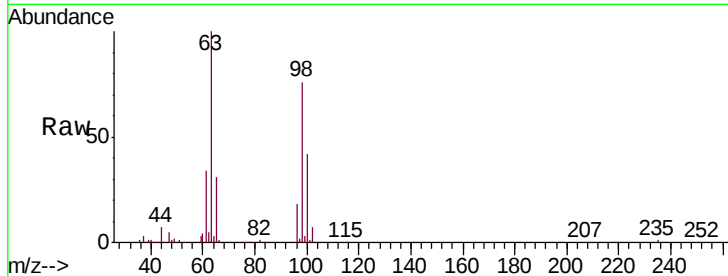
Tgt Ion: 96 Resp: 14278

Ion Ratio Lower Upper

96 100

61 187.7 113.8 211.3

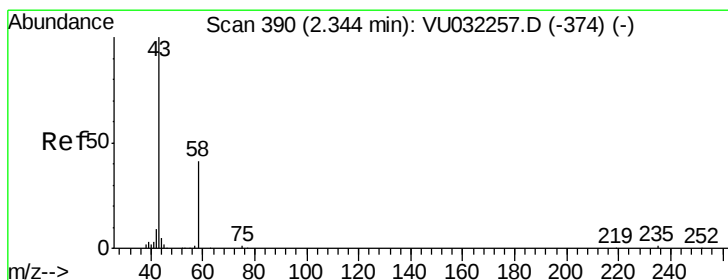
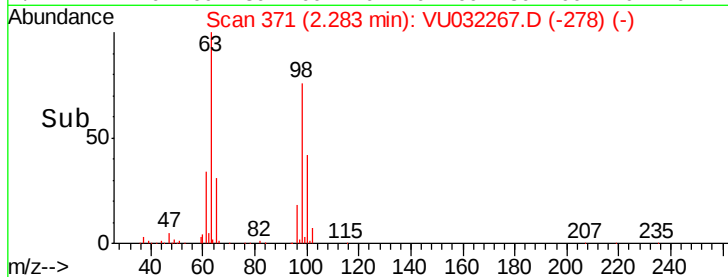
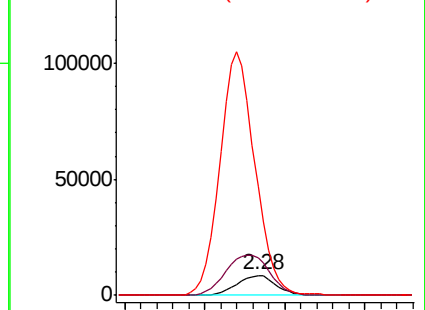
63 547.7 108.8 202.2#



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: 2.486 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU032267.D

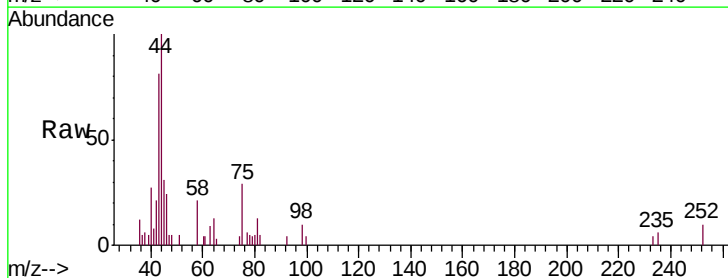
Acq: 23 May 2019 14:25

Tgt Ion: 43 Resp: 4390

Ion Ratio Lower Upper

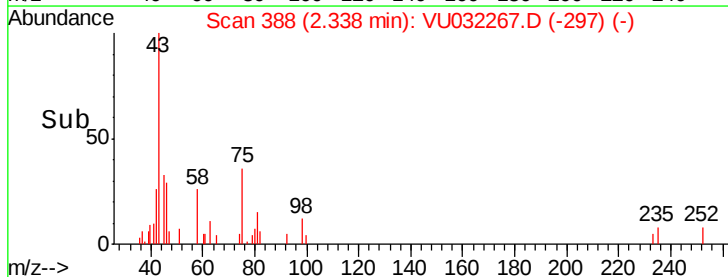
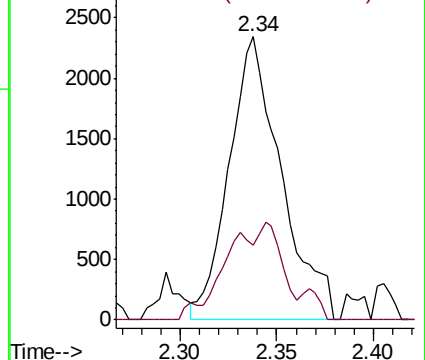
43 100

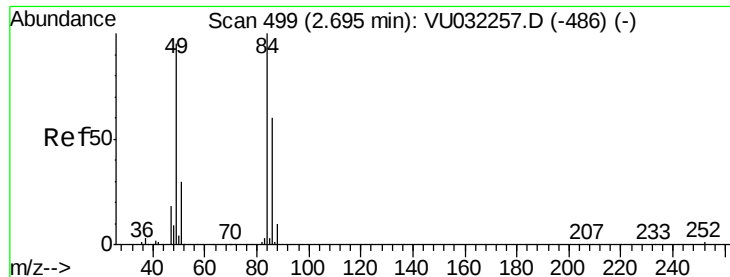
58 16.5 0.0 72.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

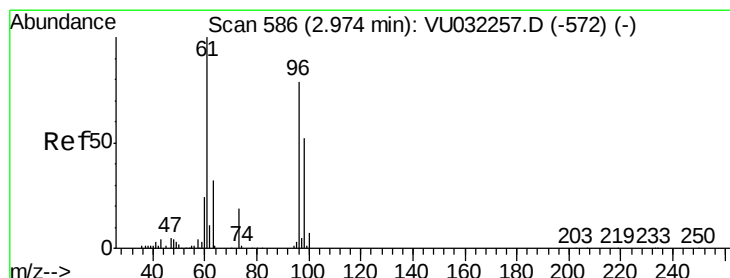
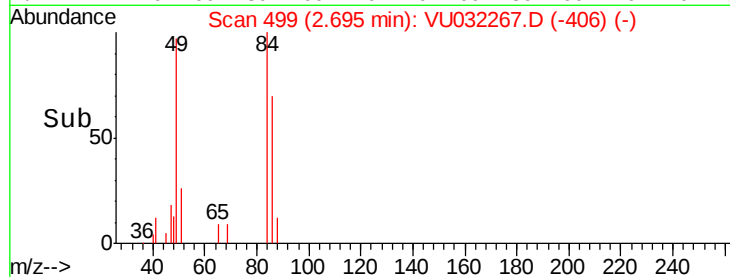
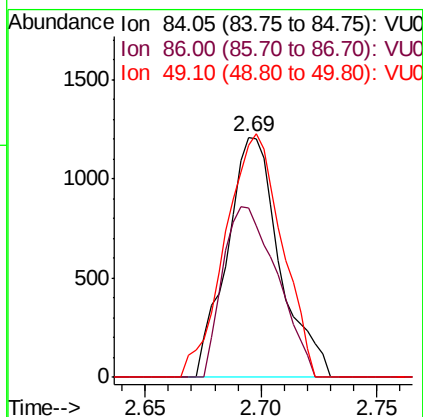
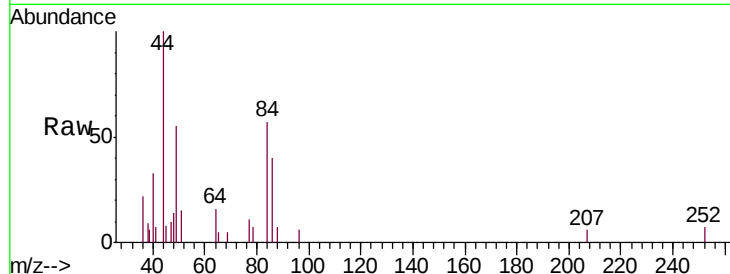




#16
Methylene chloride
Concen: 0.112 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032267.D
Acq: 23 May 2019 14:25

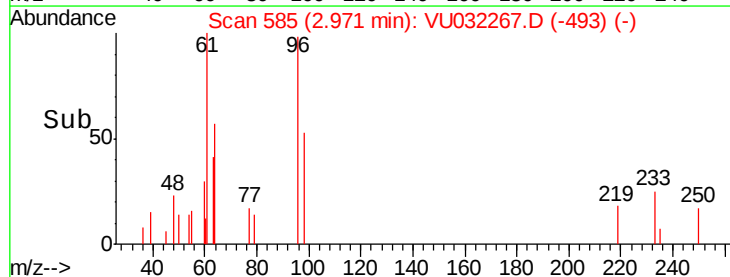
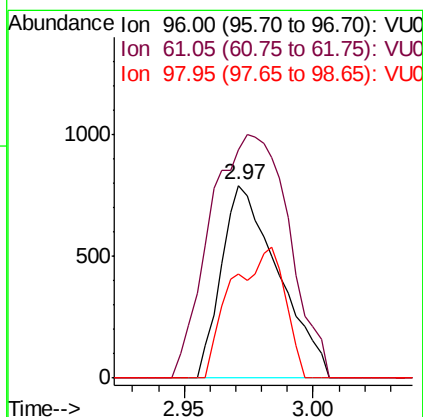
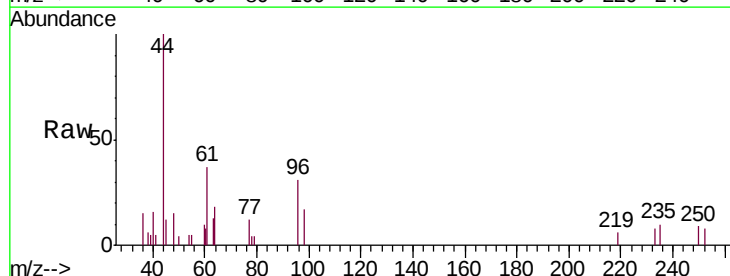
Instrument :
MSVOA_U
ClientSampleId :
E3YF1DL

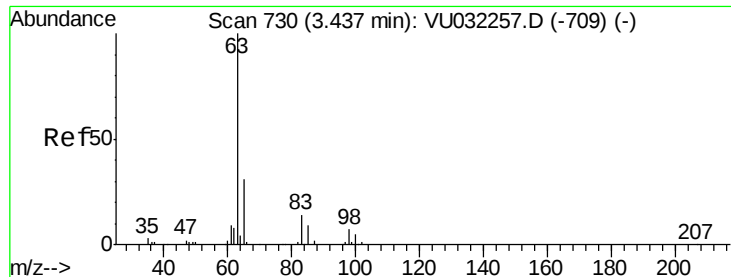
Tgt Ion: 84 Resp: 1911
Ion Ratio Lower Upper
84 100
86 70.2 43.6 81.0
49 96.6 71.1 132.1



#18
trans-1,2-Dichloroethene
Concen: 0.088 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032267.D
Acq: 23 May 2019 14:25

Tgt Ion: 96 Resp: 1212
Ion Ratio Lower Upper
96 100
61 118.1 90.6 168.3
98 54.2 49.5 91.9





#19

1,1-Dichloroethane

Concen: 4.972 ug/L

RT: 3.44 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

Instrument :

MSVOA_U

ClientSampleId :

E3YF1DL

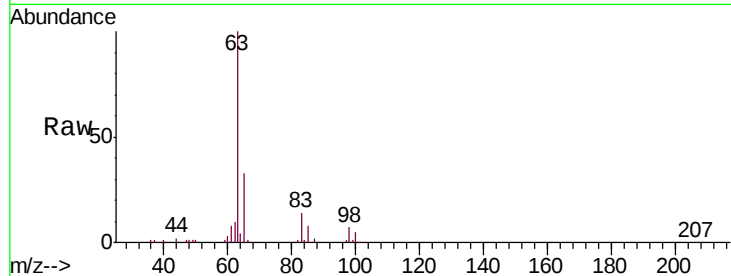
Tgt Ion: 63 Resp: 105550

Ion Ratio Lower Upper

63 100

65 32.8 23.5 43.7

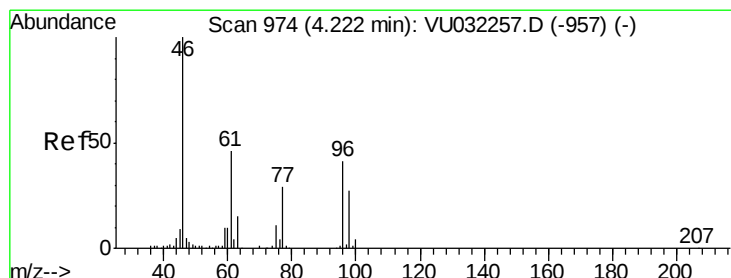
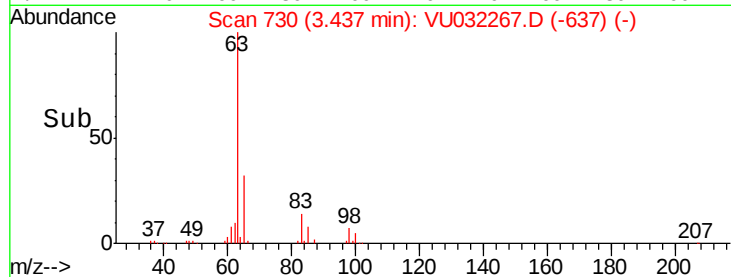
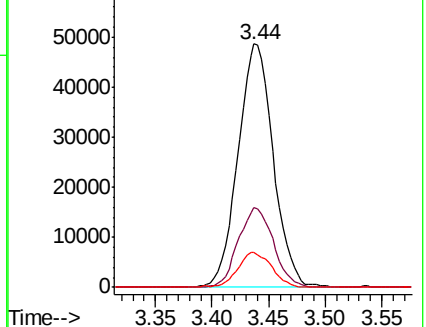
83 14.2 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU032267.D (-637) (-)

Ion 65.10 (64.80 to 65.80): VU032267.D (-637) (-)

Ion 83.05 (82.75 to 83.75): VU032267.D (-637) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.731 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

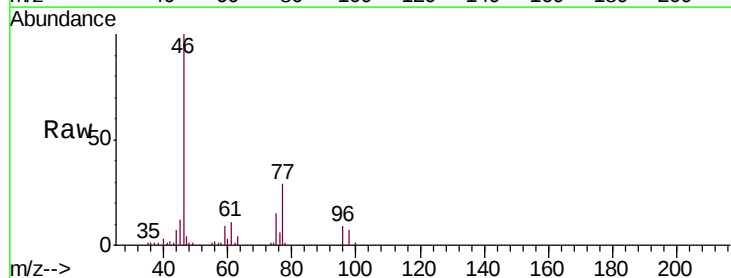
Tgt Ion: 96 Resp: 9806

Ion Ratio Lower Upper

96 100

61 125.4 82.5 153.1

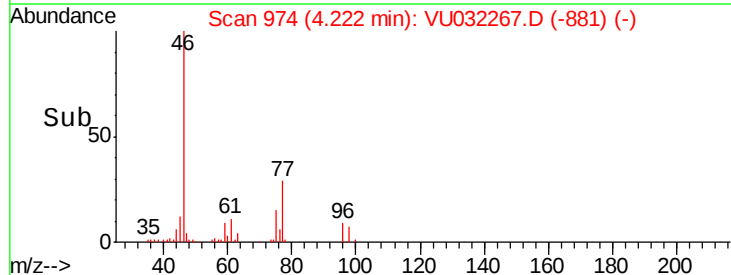
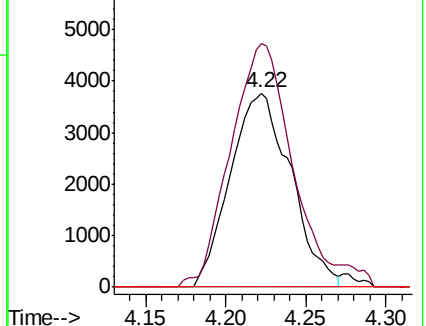
68 0.0 0.0 0.0

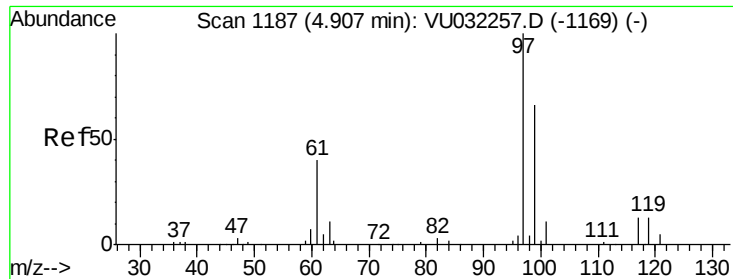


Abundance Ion 96.00 (95.70 to 96.70): VU032267.D (-881) (-)

Ion 61.05 (60.75 to 61.75): VU032267.D (-881) (-)

Ion 68.15 (67.85 to 68.85): VU032267.D (-881) (-)

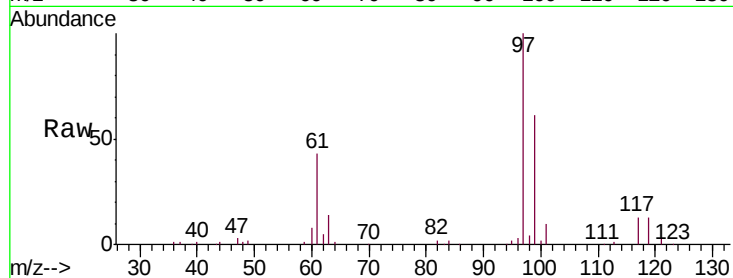




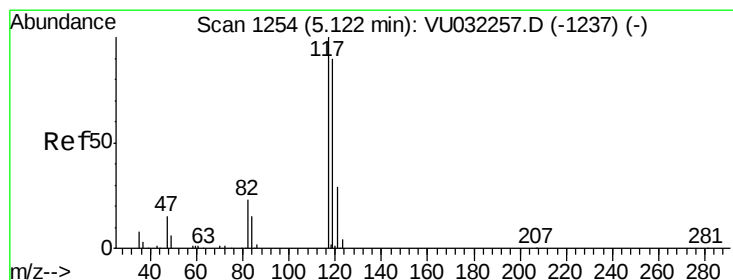
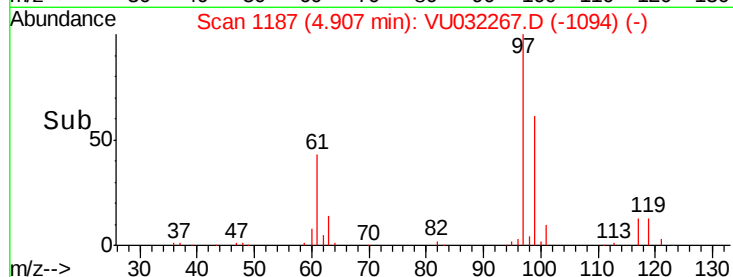
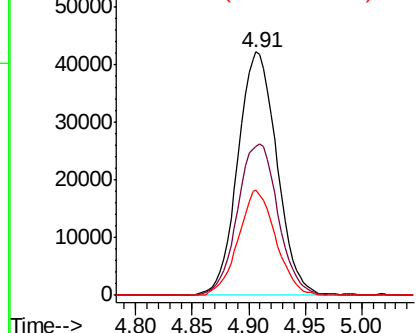
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 1,1,1-Trichloroethane
 Concen: 5.391 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU032267.D
 Acq: 23 May 2019 14:25

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF1DL

Tgt Ion: 97 Resp: 101464
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.3 75.5
 61 41.4 34.1 51.1

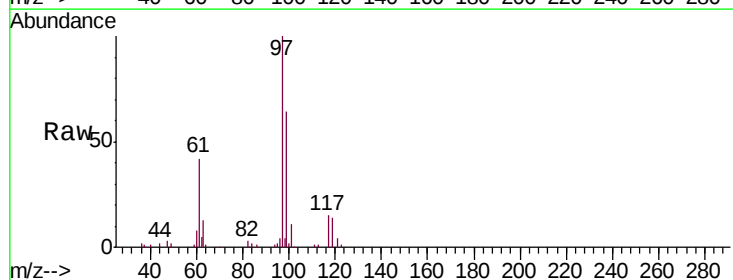


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

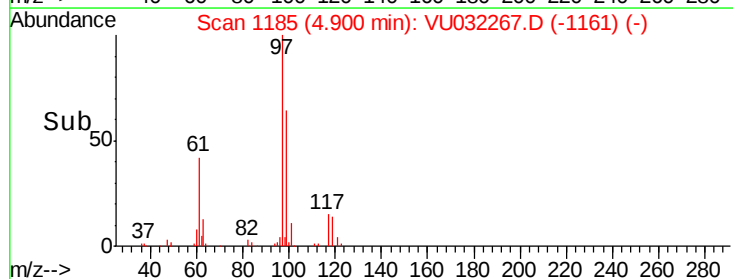
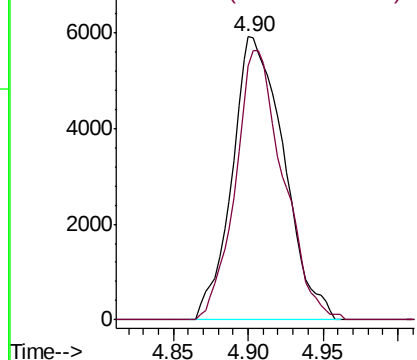


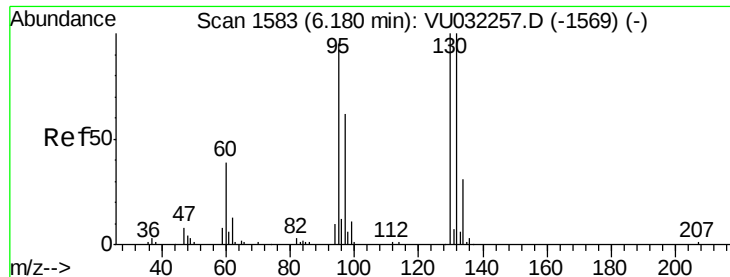
#31
 Carbon tetrachloride
 Concen: 0.856 ug/L
 RT: 4.90 min Scan# 1185
 Delta R.T. -0.22 min
 Lab File: VU032267.D
 Acq: 23 May 2019 14:25

Tgt Ion: 117 Resp: 14193
 Ion Ratio Lower Upper
 117 100
 119 88.2 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 1.023 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

Instrument :

MSVOA_U

ClientSampleId :

E3YF1DL

Tgt Ion: 95 Resp: 13472

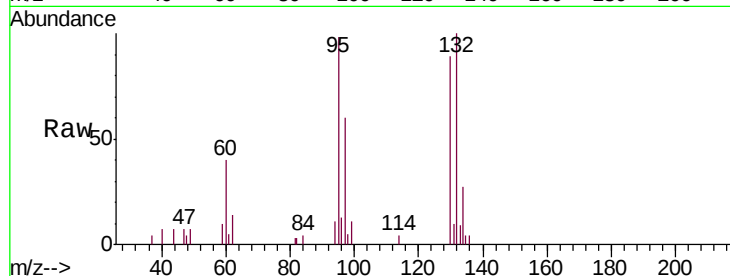
Ion Ratio Lower Upper

95 100

97 61.4 39.9 74.1

132 102.0 65.9 122.5

130 91.1 70.6 131.2

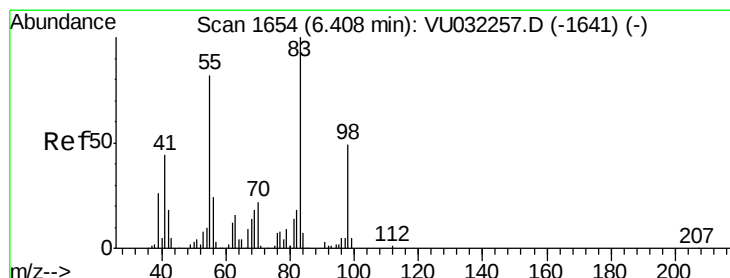
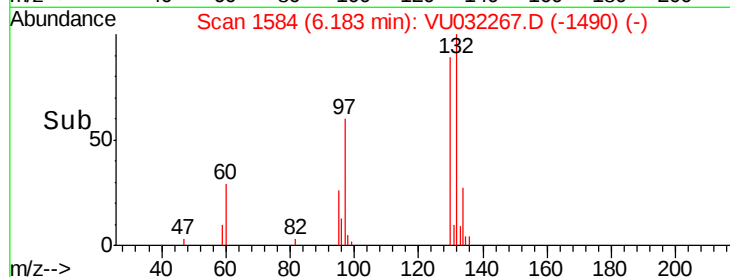
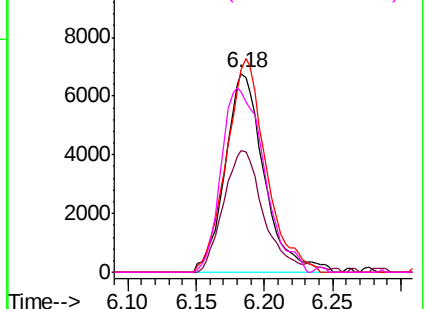


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.482 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

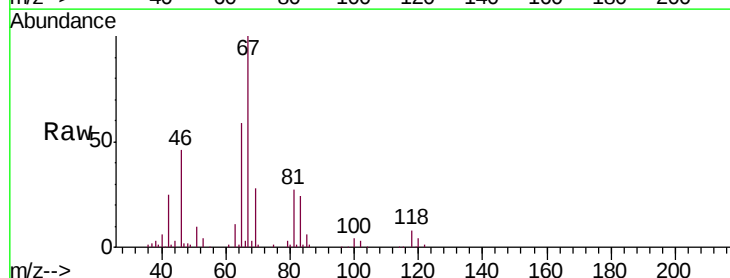
Tgt Ion: 83 Resp: 28745

Ion Ratio Lower Upper

83 100

55 0.3 59.7 89.5#

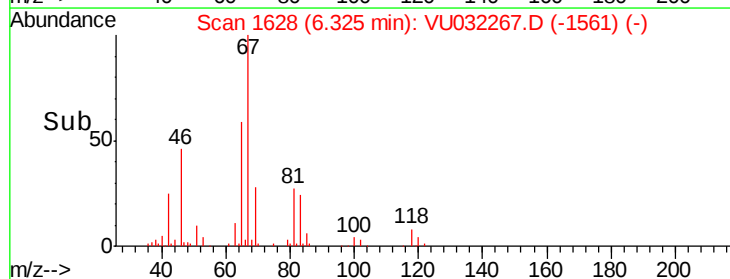
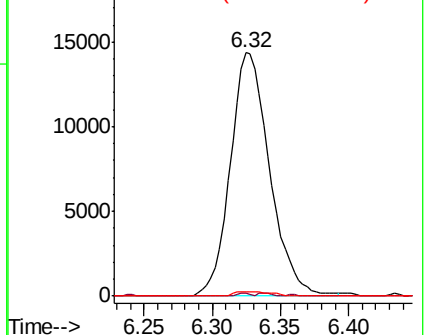
98 0.6 37.5 56.3#

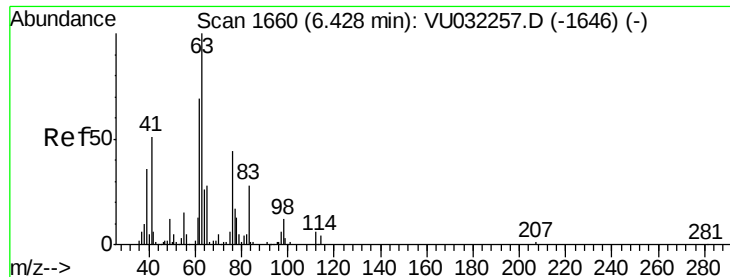


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 1.117 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

Instrument :

MSVOA_U

ClientSampleId :

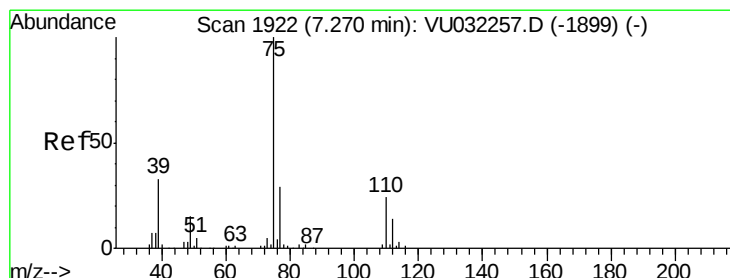
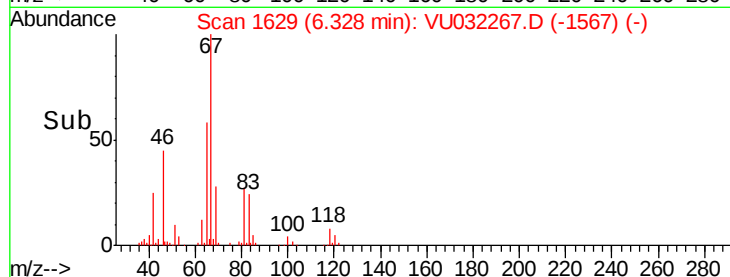
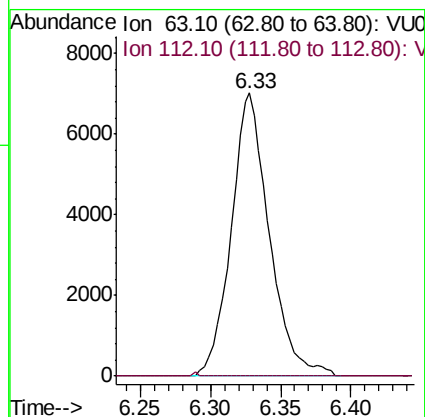
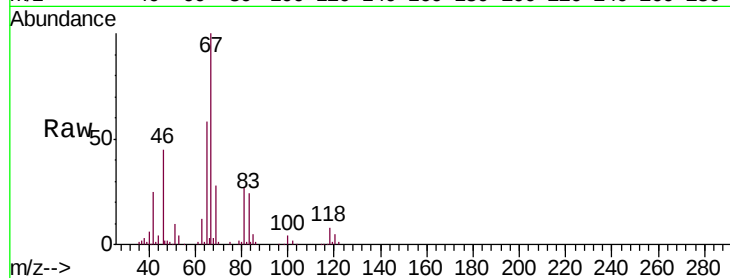
E3YF1DL

Tgt Ion: 63 Resp: 13193

Ion Ratio Lower Upper

63 100

112 0.2 3.8 5.8#



#39

cis-1,3-Dichloropropene

Concen: 0.170 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.05 min

Lab File: VU032267.D

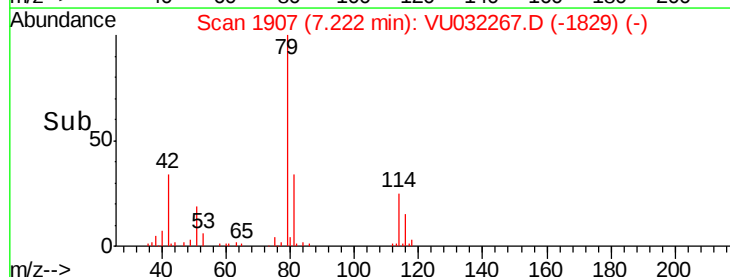
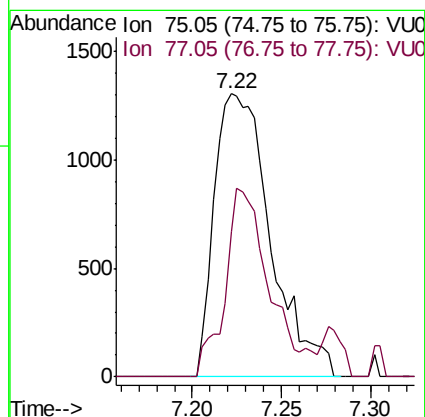
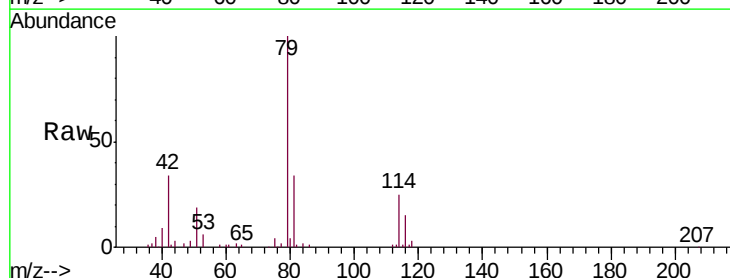
Acq: 23 May 2019 14:25

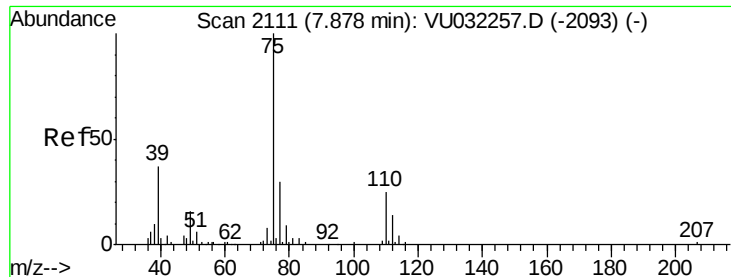
Tgt Ion: 75 Resp: 2856

Ion Ratio Lower Upper

75 100

77 51.1 22.6 42.0#





#44

trans-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

Instrument :

MSVOA_U

ClientSampleId :

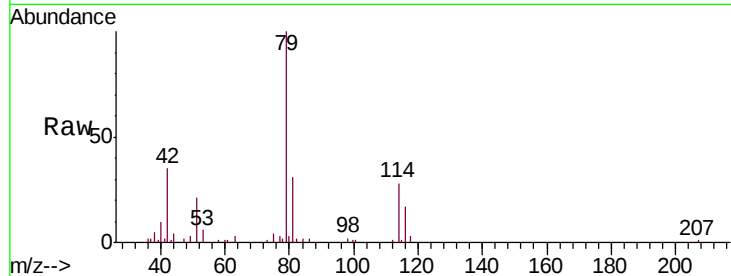
E3YF1DL

Tgt Ion: 75 Resp: 1578

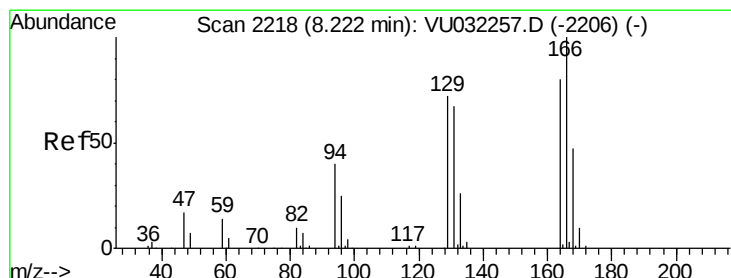
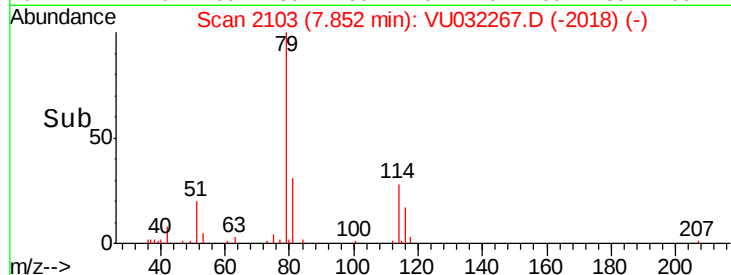
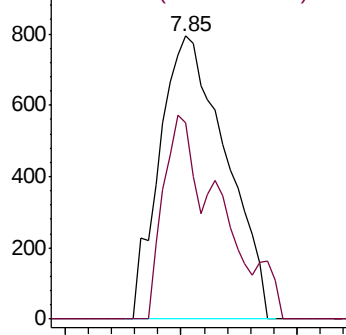
Ion Ratio Lower Upper

75 100

77 69.3 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VU032267.D (-2103) (-)



#47

Tetrachloroethene

Concen: 0.626 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032267.D

Acq: 23 May 2019 14:25

Tgt Ion: 164 Resp: 6806

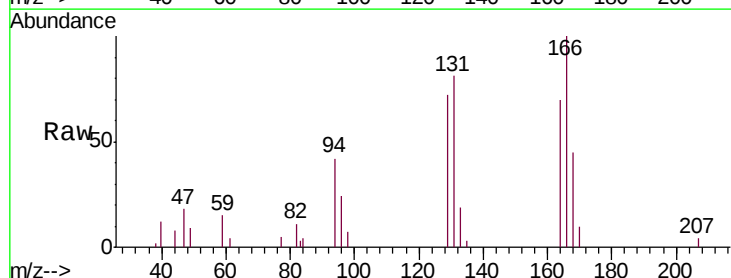
Ion Ratio Lower Upper

164 100

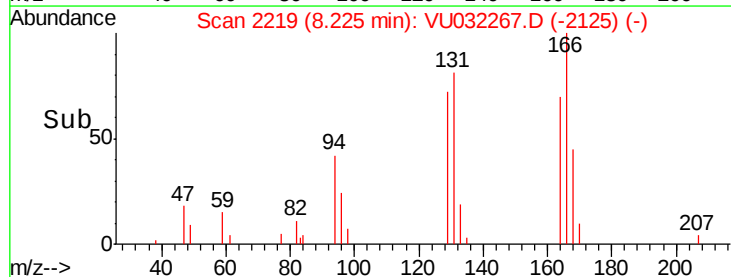
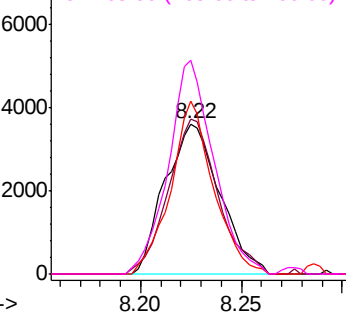
129 102.8 67.1 124.7

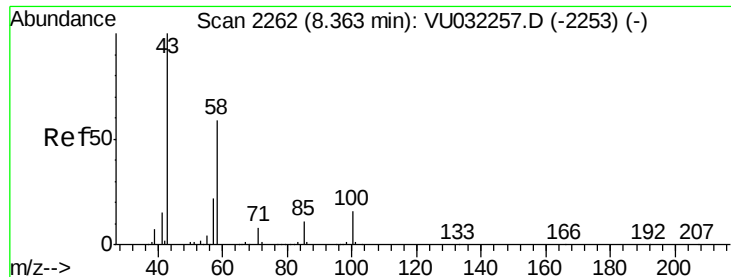
131 115.1 62.2 115.4

166 142.0 90.9 168.9



Abundance Ion 163.90 (163.60 to 164.60): VU032267.D (-2219) (-)

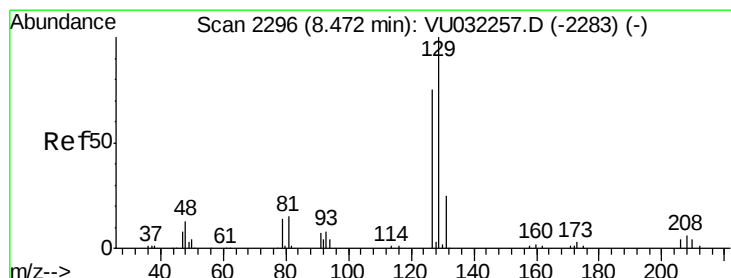
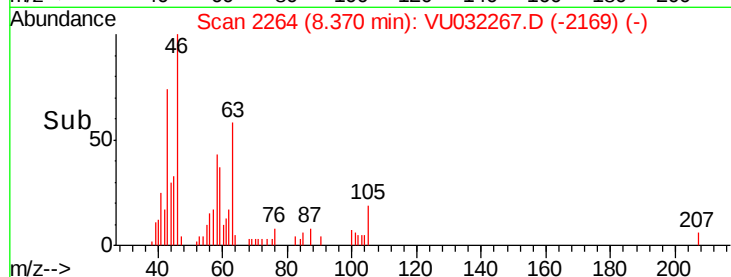
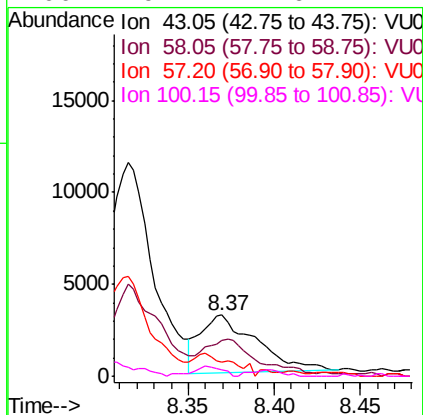
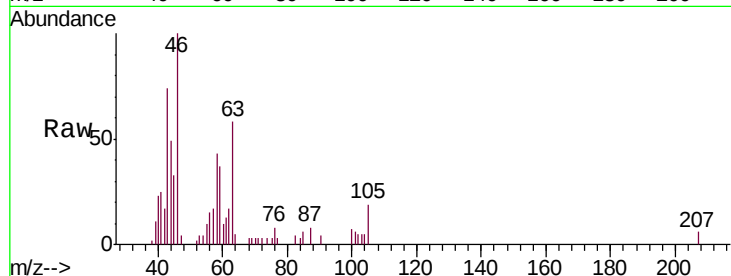




#48
2-Hexanone
Concen: 1.539 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032267.D
Acq: 23 May 2019 14:25

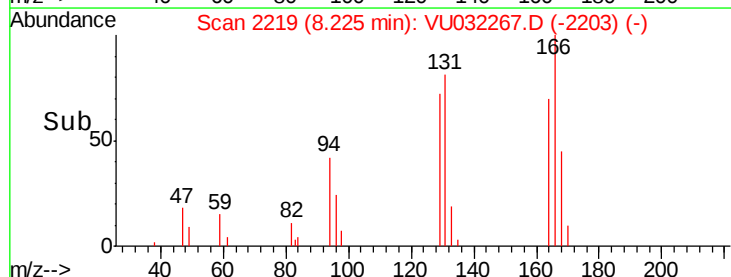
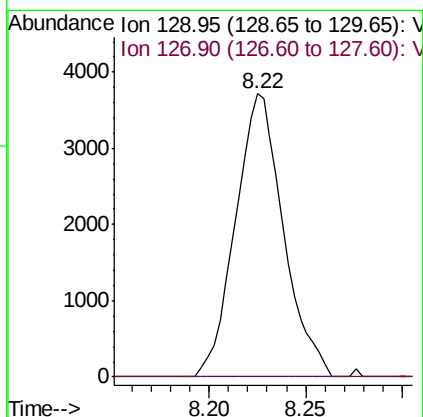
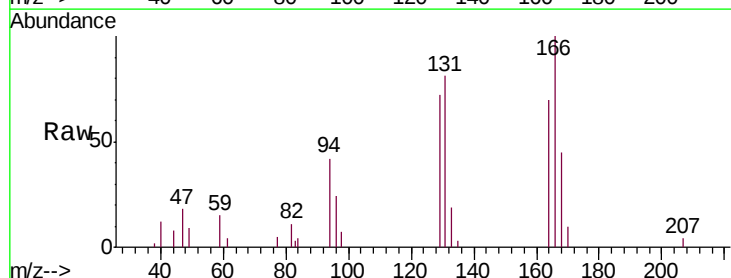
Instrument :
MSVOA_U
ClientSampleId :
E3YF1DL

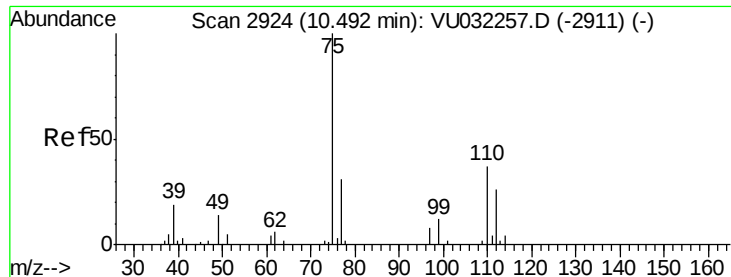
Tgt Ion: 43 Resp: 7045
Ion Ratio Lower Upper
43 100
58 54.4 49.7 74.5
57 27.8 17.1 25.7#
100 9.4 11.6 17.4#



#49
Dibromochloromethane
Concen: 0.617 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU032267.D
Acq: 23 May 2019 14:25

Tgt Ion: 129 Resp: 6408
Ion Ratio Lower Upper
129 100
127 0.0 51.7 95.9#





#59
 1,2,3-Trichloropropane
 Concen: 1.958 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU032267.D
 Acq: 23 May 2019 14:25

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YF1DL

Tgt Ion: 75 Resp: 15056
 Ion Ratio Lower Upper
 75 100
 77 33.4 28.2 42.4

