

Data File : VU035348.D
Acq On : 22 Oct 2019 03:06
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Quant Time: Oct 22 06:45:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 06:40:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	274176	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270186	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	130683	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	71547	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.93	69	70004	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.60	63	145389	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	4.71	46	270424	56.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.58%
24) Chloroform-d	5.11	84	154764	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.75	65	84756	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.77	84	283167	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.74	67	98391	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.93	98	255559	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.22	79	38011	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.68	63	216502	51.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.12%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92420	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	106712	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	123245	5.282 ug/L	99
3) Chloromethane	1.54	50	117131	5.060 ug/L	100
5) Vinyl chloride	1.62	62	129303	5.439 ug/L	99
6) Bromomethane	1.87	94	46507	3.313 ug/L	96
8) Chloroethane	1.95	64	80783	5.271 ug/L	97
9) Trichlorofluoromethane	2.16	101	167496	5.277 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	93463	5.111 ug/L	95
12) 1,1-Dichloroethene	2.61	96	90364	5.130 ug/L	91
13) Acetone	2.68	43	184046	55.073 ug/L	99
14) Carbon disulfide	2.82	76	285803	5.131 ug/L	99
15) Methyl Acetate	3.00	43	42235	5.072 ug/L	99
16) Methylene chloride	3.08	84	106874	5.044 ug/L	98
17) Methyl tert-butyl Ether	3.43	73	232798	4.911 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	97043	5.105 ug/L	90
19) 1,1-Dichloroethane	3.92	63	188723	5.490 ug/L	99
21) 2-Butanone	4.79	43	280971	51.584 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	110803	5.274 ug/L	98

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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Quant Time: Oct 22 06:45:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	48171	5.326	ug/L	98
25) Chloroform	5.14	83	198423	5.261	ug/L	98
27) 1,2-Dichloroethane	5.84	62	124502	5.382	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	160952	5.086	ug/L	98
30) Cyclohexane	5.43	56	160054	4.722	ug/L	99
31) Carbon tetrachloride	5.57	117	141652	4.971	ug/L	99
33) Benzene	5.82	78	419407	5.276	ug/L	100
34) Trichloroethene	6.58	95	106199	4.969	ug/L	98
35) Methylcyclohexane	6.80	83	160115	4.483	ug/L	97
37) 1,2-Dichloropropane	6.83	63	106712	5.288	ug/L	100
38) Bromodichloromethane	7.15	83	137394	5.053	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	152657	4.519	ug/L	99
40) 4-Methyl-2-pentanone	7.85	43	691251	50.739	ug/L	99
42) Toluene	8.01	91	449047	5.117	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	125677	4.553	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	78981	5.271	ug/L	98
47) Tetrachloroethene	8.58	164	87842	4.933	ug/L	97
48) 2-Hexanone	8.74	43	487065	50.978	ug/L	99
49) Dibromochloromethane	8.84	129	94256	4.962	ug/L	99
50) 1,2-Dibromoethane	8.96	107	74998	5.007	ug/L	100
51) Chlorobenzene	9.48	112	280578	4.952	ug/L	100
52) Ethylbenzene	9.60	91	490449	4.915	ug/L	100
53) m,p-Xylene	9.73	106	183484	4.869	ug/L	99
54) o-Xylene	10.13	106	178024	4.841	ug/L	98
55) Styrene	10.14	104	299373	5.000	ug/L	99
56) Isopropylbenzene	10.51	105	470701	4.758	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	104278	5.408	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	71898	5.113	ug/L	98
61) Bromoform	10.32	173	55052	4.548	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	223185	5.005	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	221082	5.042	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	210466	5.024	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	14380	4.859	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	137925	4.991	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	94923	5.160	ug/L	99
69) Naphthalene	14.11	128	130424	5.165	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	96290	5.598	ug/L	97

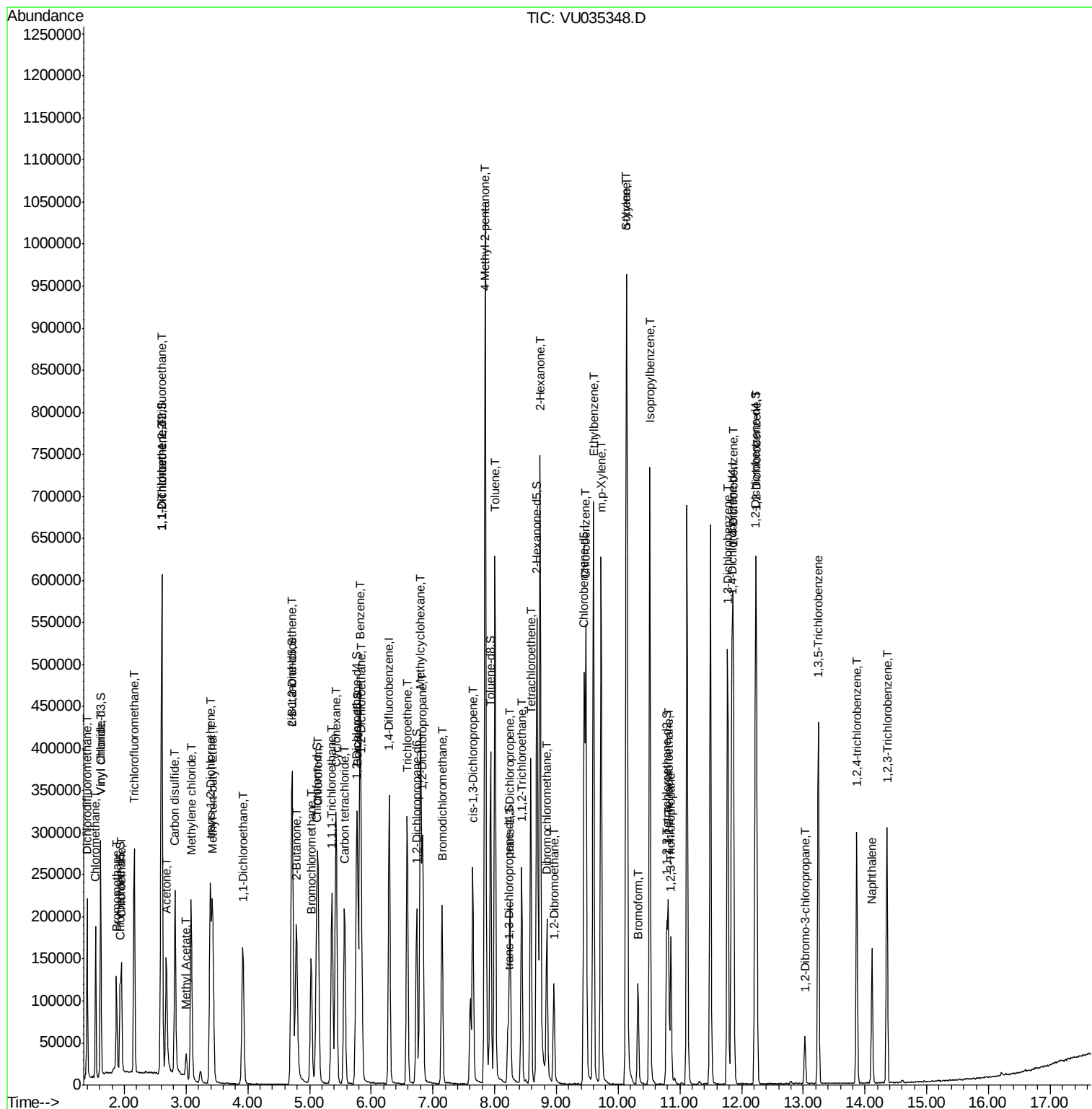
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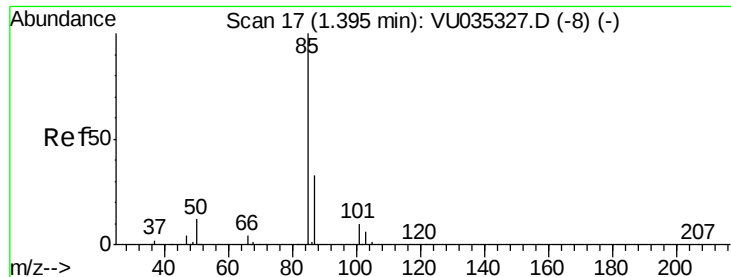
Data File : VU035348.D

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Acq On       : 22 Oct 2019   03:06
Operator    : JC/SP
Sample      : VSTDCCC005
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ALS Vial    : 26      Sample Multiplier: 1
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Instrument :
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ClientSampleId :
VSTD00530

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#2

Dichlorodifluoromethane

Concen: 5.282 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

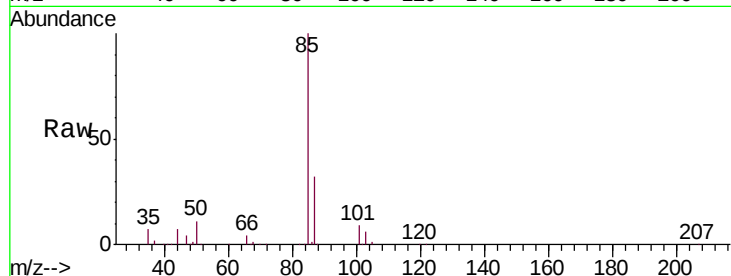
VSTD00530

Tgt Ion: 85 Resp: 123245

Ion Ratio Lower Upper

85 100

87 32.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035327.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU035327.D (-8) (-)

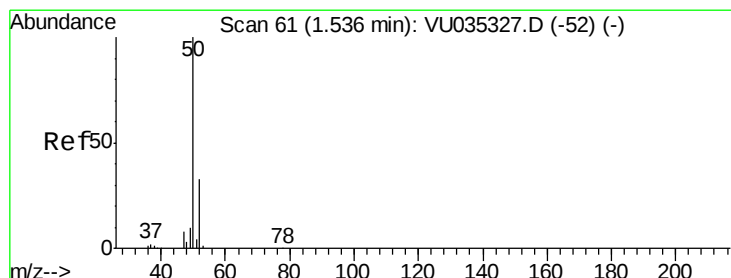
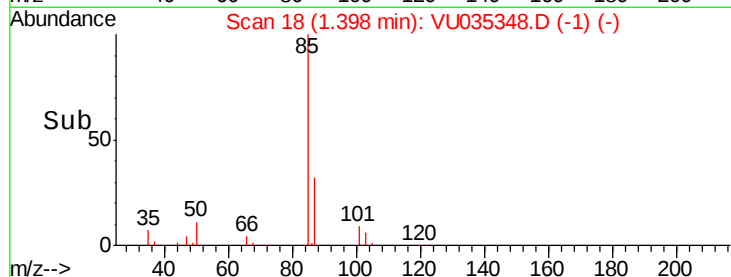
1.40

100000

50000

0

Time-->



#3

Chloromethane

Concen: 5.060 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035348.D

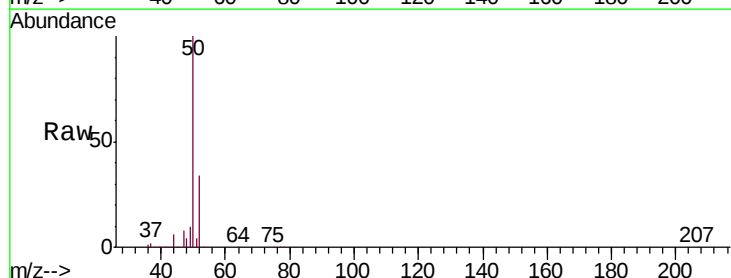
Acq: 22 Oct 2019 03:06

Tgt Ion: 50 Resp: 117131

Ion Ratio Lower Upper

50 100

52 33.6 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035327.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035327.D (-52) (-)

1.54

120000

100000

80000

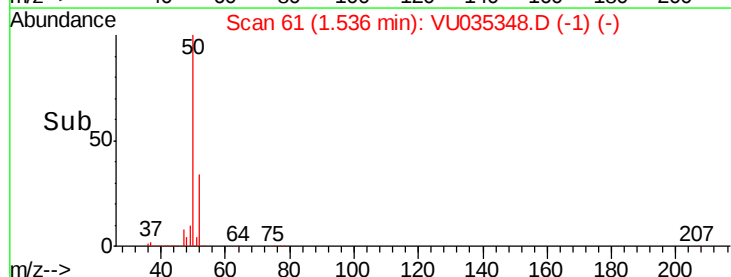
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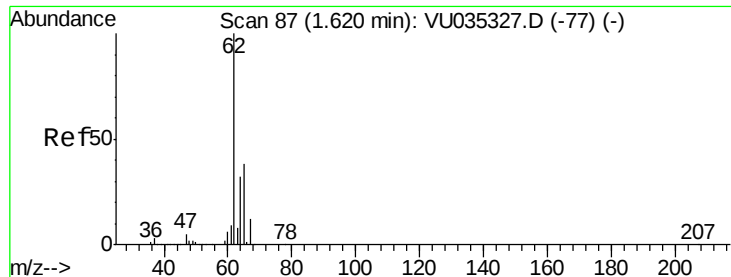
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 5.439 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

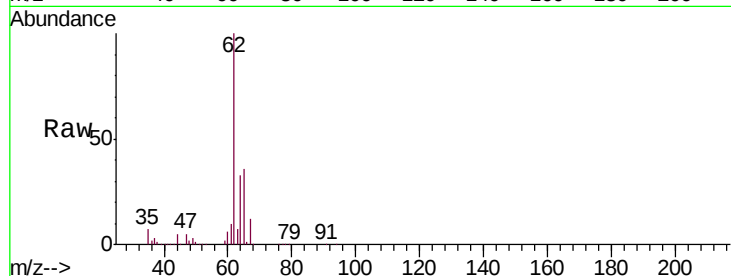
VSTD00530

Tgt Ion: 62 Resp: 129303

Ion Ratio Lower Upper

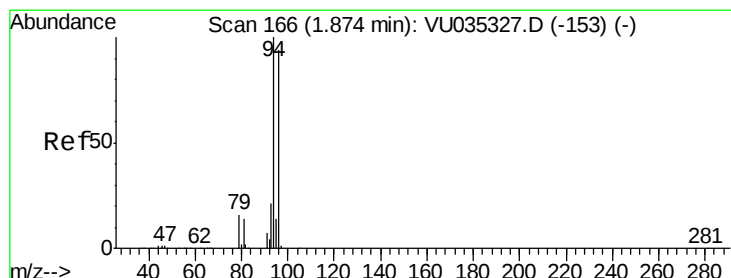
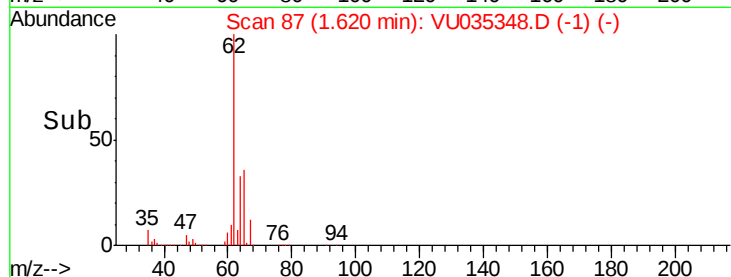
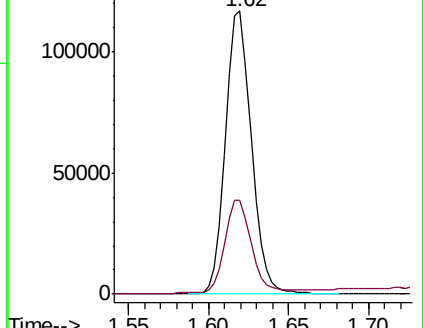
62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035327.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035327.D (-77) (-)



#6

Bromomethane

Concen: 3.313 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035348.D

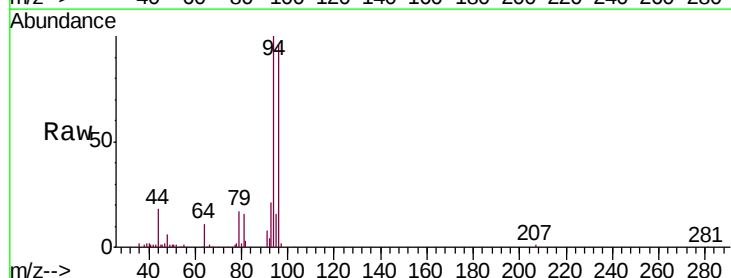
Acq: 22 Oct 2019 03:06

Tgt Ion: 94 Resp: 46507

Ion Ratio Lower Upper

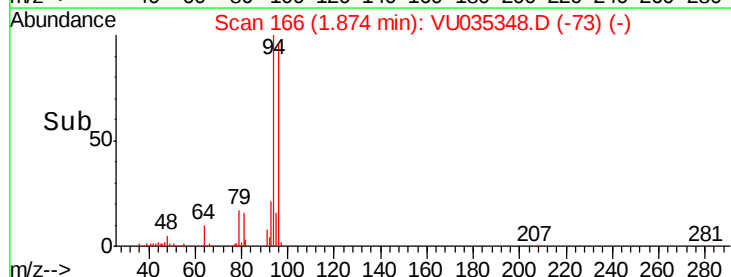
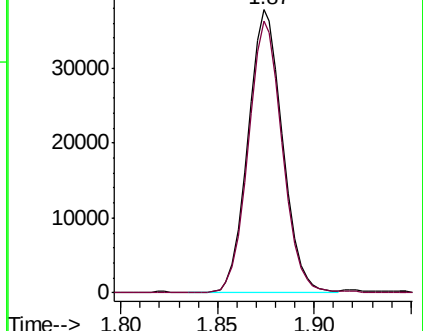
94 100

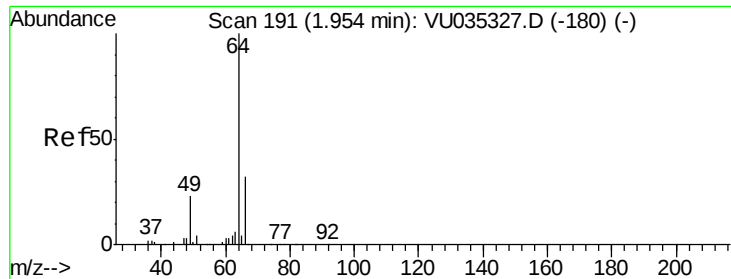
96 95.8 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035327.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU035327.D (-153) (-)





#8

Chloroethane

Concen: 5.271 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

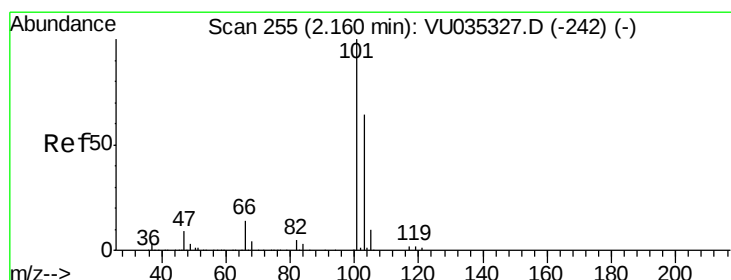
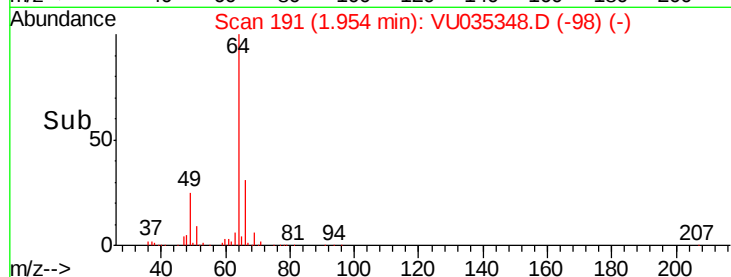
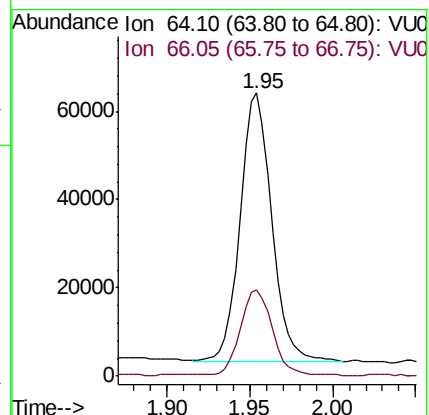
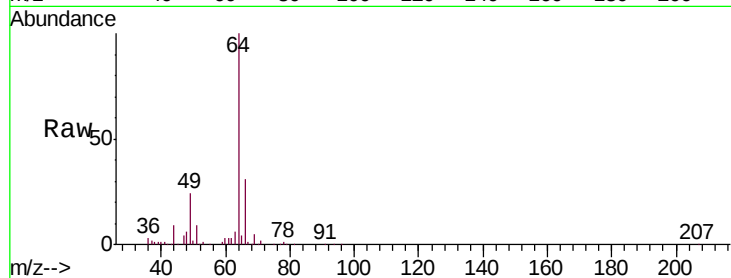
VSTD00530

Tgt Ion: 64 Resp: 80783

Ion Ratio Lower Upper

64 100

66 30.6 22.7 42.1



#9

Trichlorofluoromethane

Concen: 5.277 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035348.D

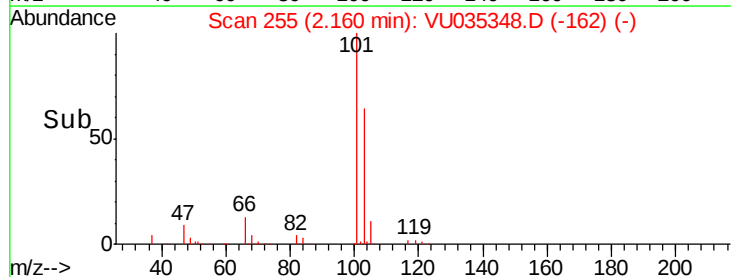
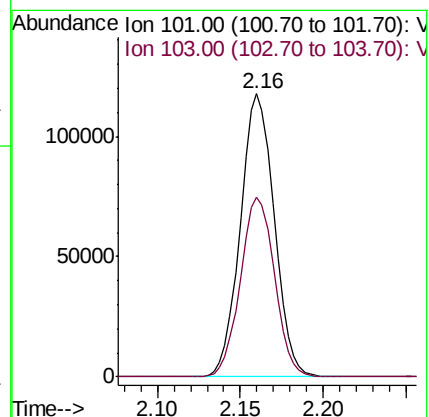
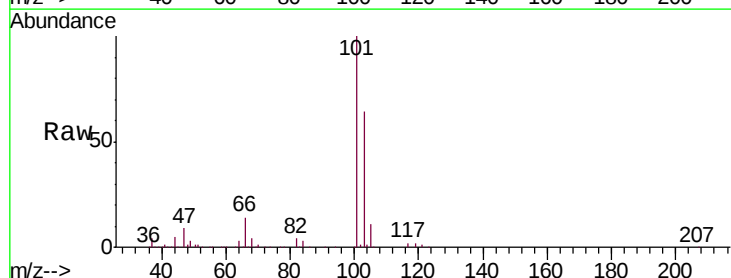
Acq: 22 Oct 2019 03:06

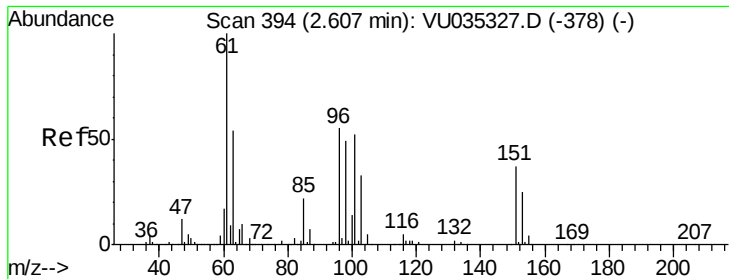
Tgt Ion: 101 Resp: 167496

Ion Ratio Lower Upper

101 100

103 64.2 51.9 77.9





#10

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

Concen: 5.111 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

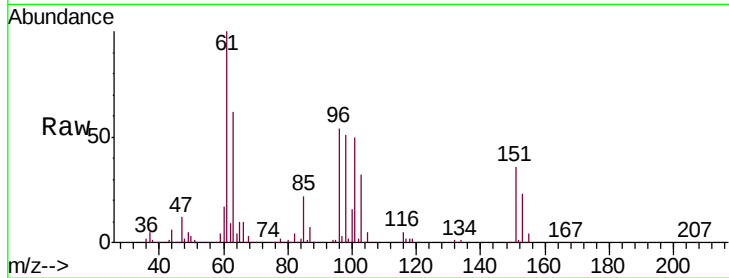
Tgt Ion:101 Resp: 93463

Ion Ratio Lower Upper

101 100

85 44.9 33.9 50.9

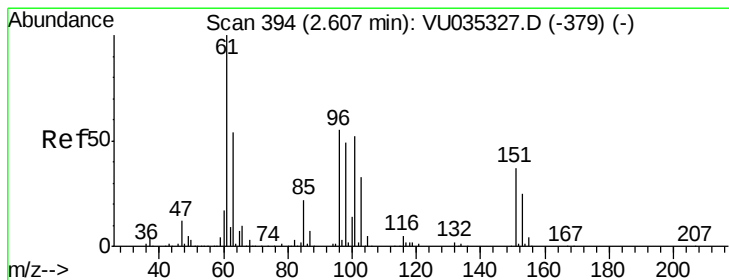
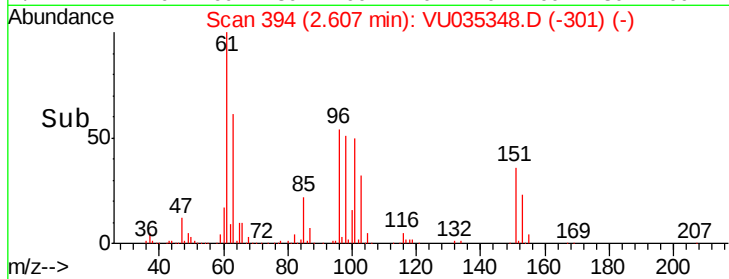
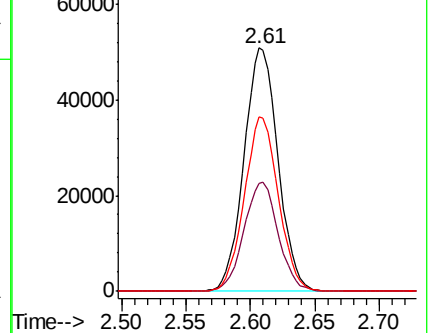
151 71.8 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.130 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

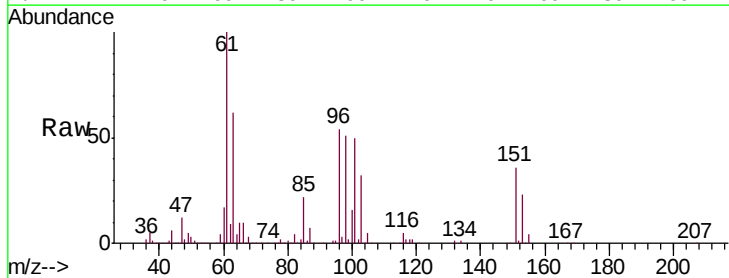
Tgt Ion: 96 Resp: 90364

Ion Ratio Lower Upper

96 100

61 185.5 120.6 224.0

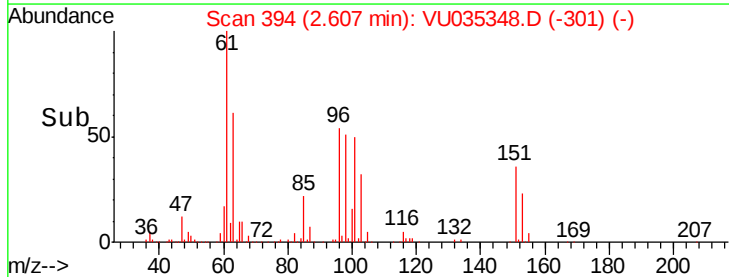
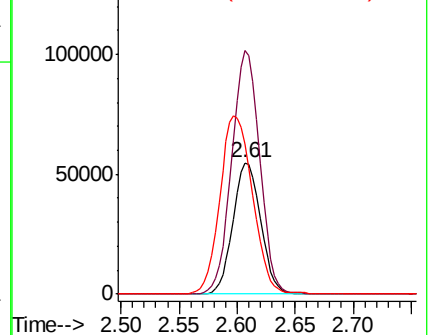
63 114.1 86.8 161.2

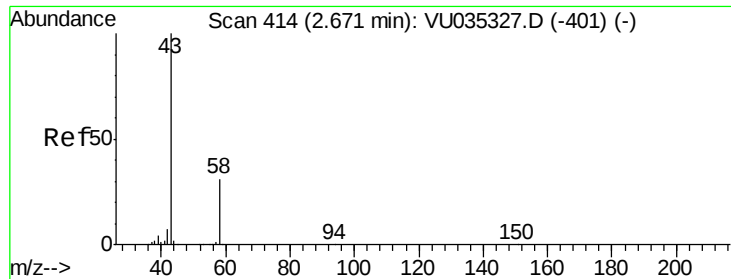


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.073 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

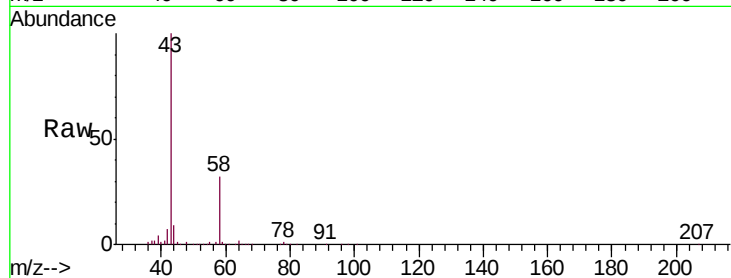
VSTD00530

Tgt Ion: 43 Resp: 184046

Ion Ratio Lower Upper

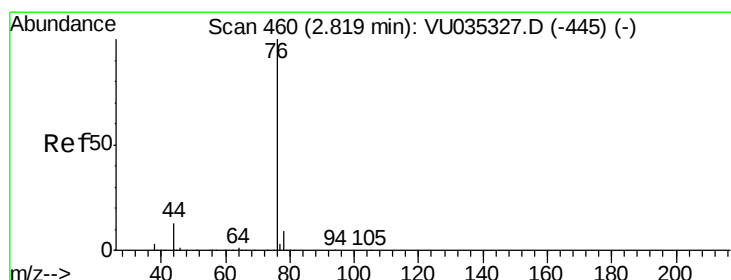
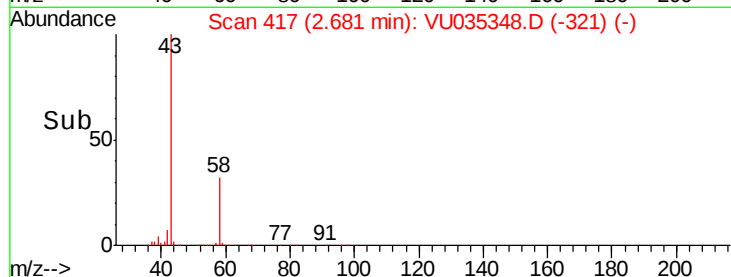
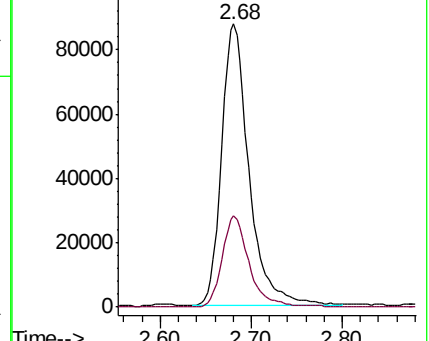
43 100

58 31.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035327.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035348.D (-321) (-)



#14

Carbon disulfide

Concen: 5.131 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035348.D

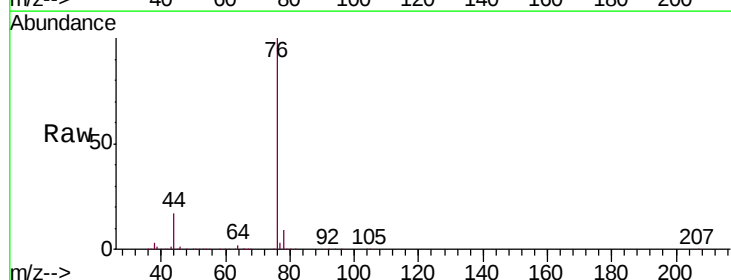
Acq: 22 Oct 2019 03:06

Tgt Ion: 76 Resp: 285803

Ion Ratio Lower Upper

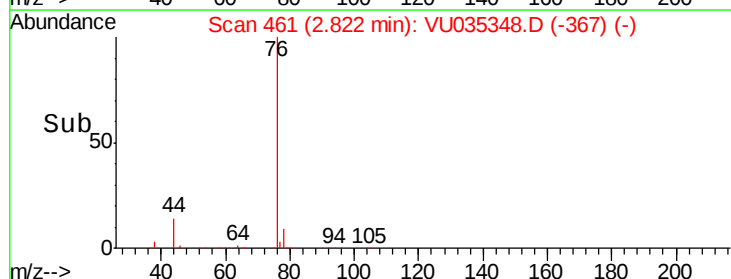
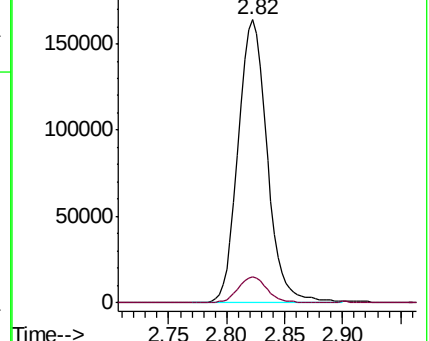
76 100

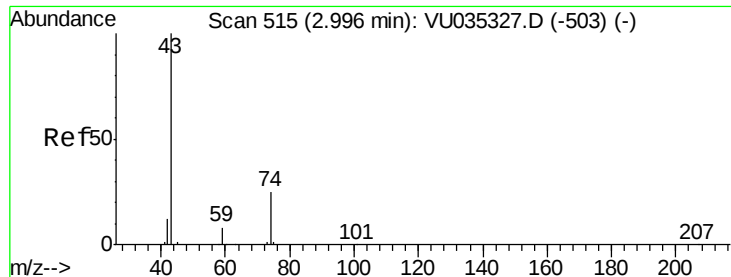
78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035327.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035348.D (-367) (-)

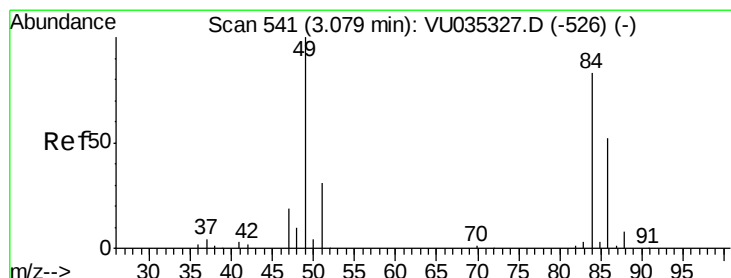
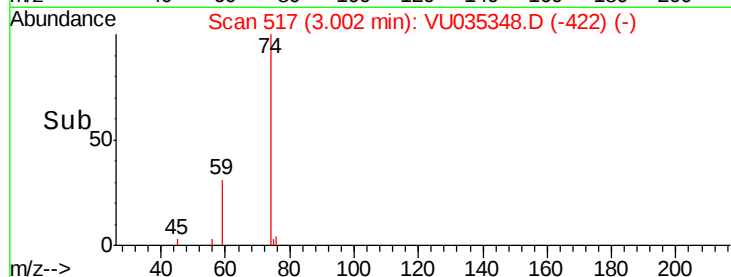
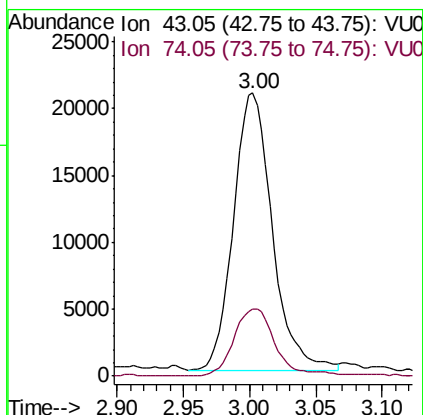
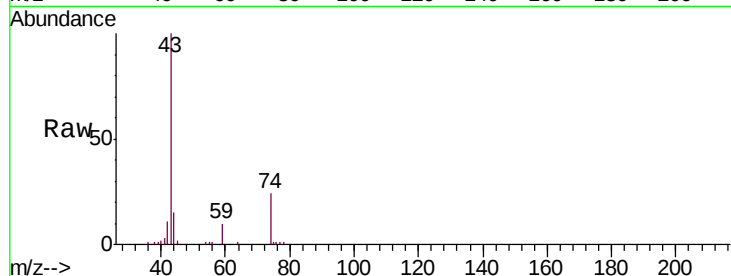




#15
Methyl Acetate
Concen: 5.072 ug/L
RT: 3.00 min Scan# 517
Delta R.T. 0.01 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

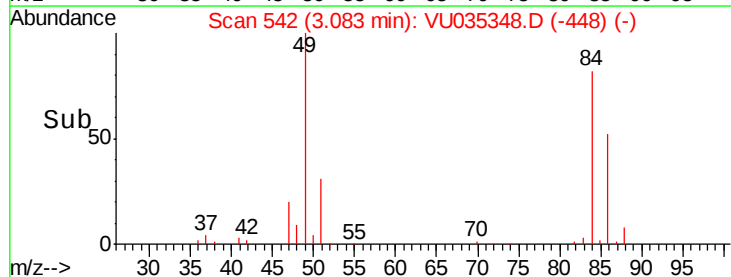
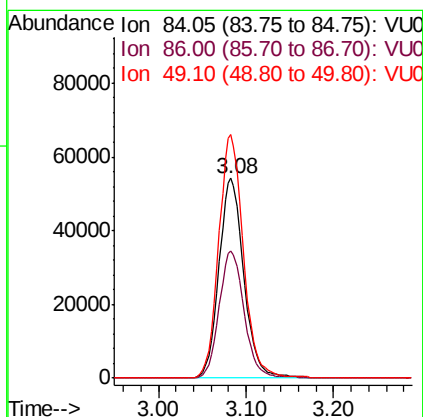
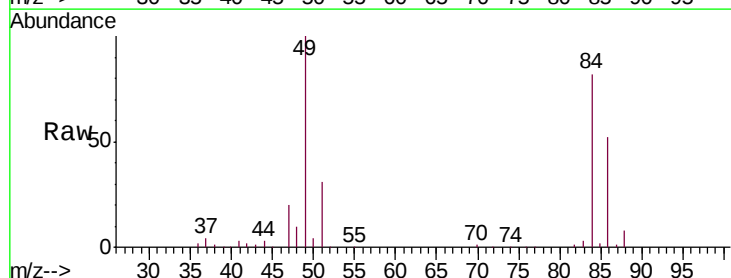
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

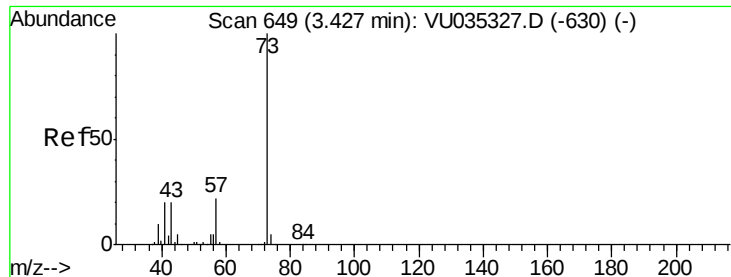
Tgt Ion: 43 Resp: 42235
Ion Ratio Lower Upper
43 100
74 25.9 20.3 30.5



#16
Methylene chloride
Concen: 5.044 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Tgt Ion: 84 Resp: 106874
Ion Ratio Lower Upper
84 100
86 63.8 45.4 84.2
49 121.7 86.8 161.2





#17

Methyl tert-butyl Ether

Concen: 4.911 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

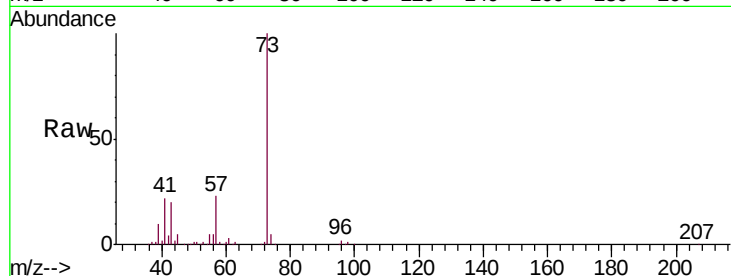
Tgt Ion: 73 Resp: 232798

Ion Ratio Lower Upper

73 100

43 20.6 16.0 24.0

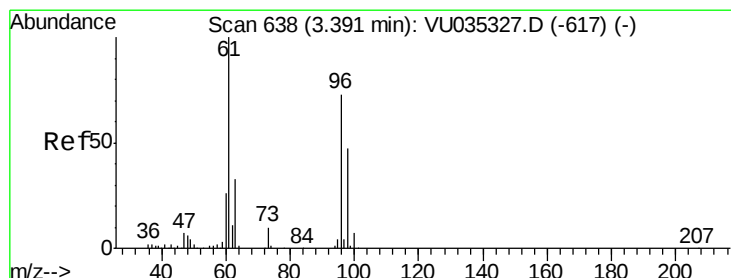
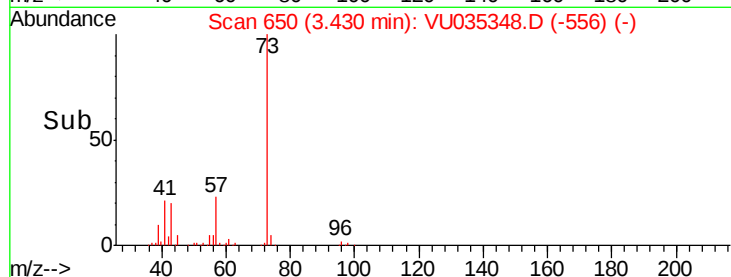
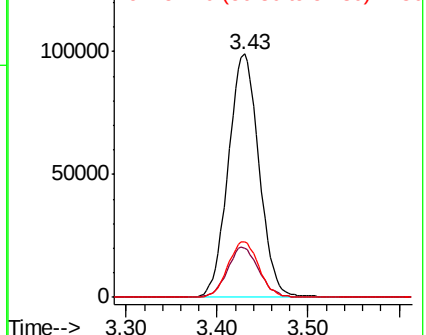
57 23.0 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035327.D (-630) (-)

Ion 43.05 (42.75 to 43.75): VU035327.D (-630) (-)

Ion 57.10 (56.80 to 57.80): VU035327.D (-630) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.105 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

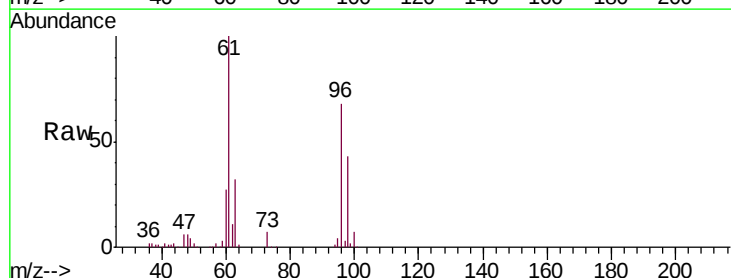
Tgt Ion: 96 Resp: 97043

Ion Ratio Lower Upper

96 100

61 148.1 93.0 172.6

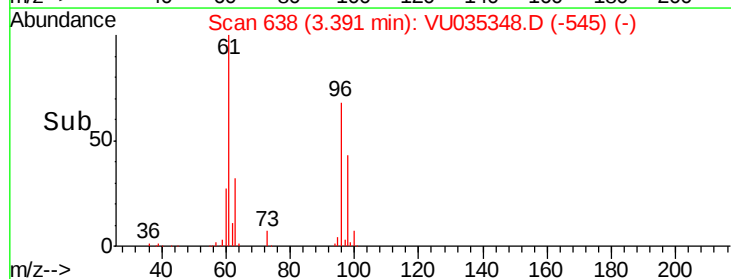
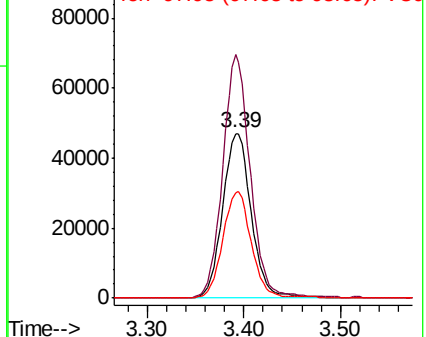
98 64.4 43.7 81.1

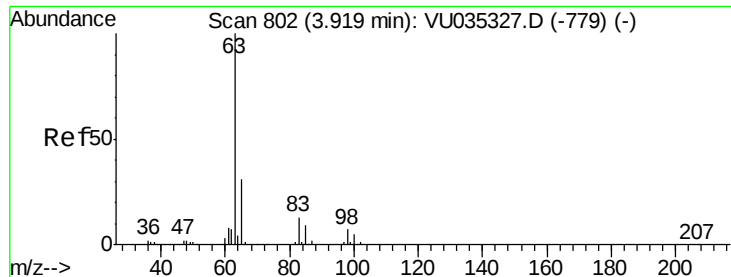


Abundance Ion 96.00 (95.70 to 96.70): VU035327.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU035327.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU035327.D (-617) (-)

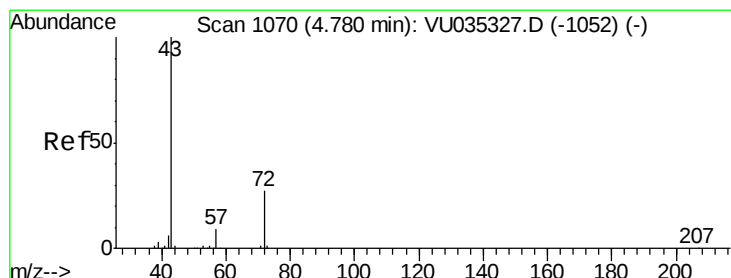
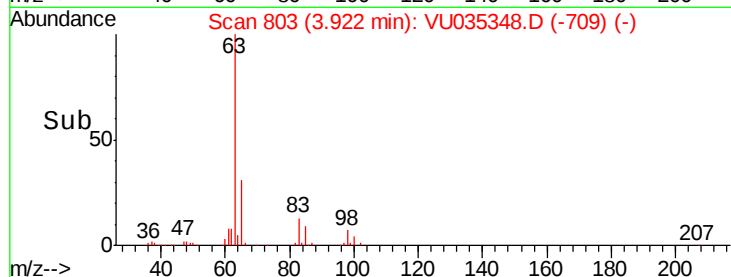
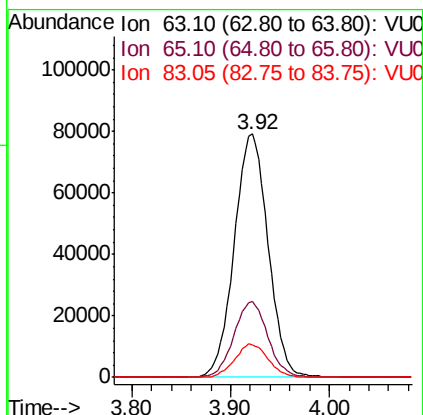
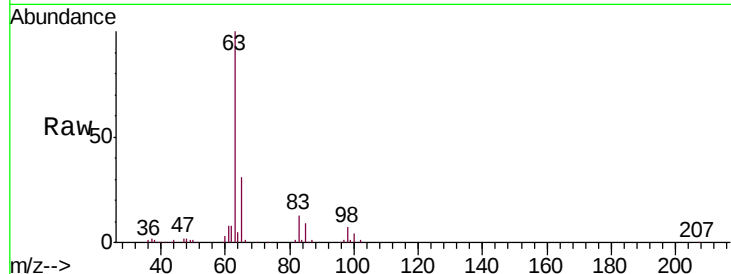




#19
 1,1-Dichloroethane
 Concen: 5.490 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035348.D
 Acq: 22 Oct 2019 03:06

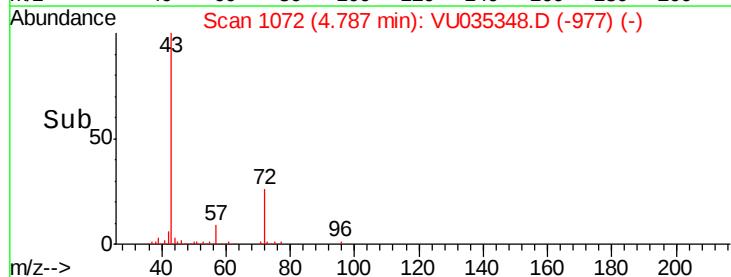
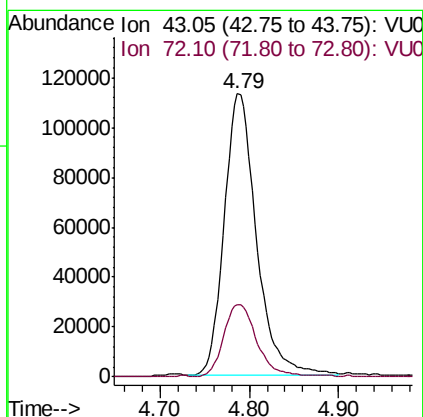
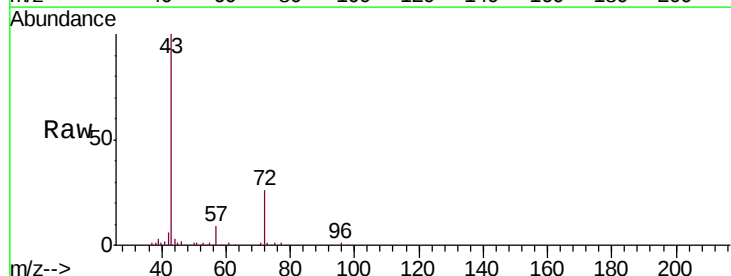
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

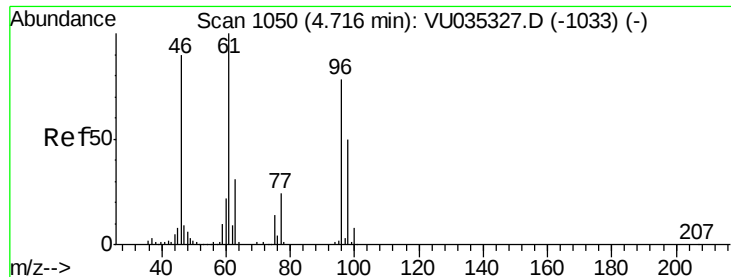
Tgt Ion: 63 Resp: 188723
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.4 41.6
 83 13.4 9.3 17.3



#21
 2-Butanone
 Concen: 51.584 ug/L
 RT: 4.79 min Scan# 1072
 Delta R.T. 0.01 min
 Lab File: VU035348.D
 Acq: 22 Oct 2019 03:06

Tgt Ion: 43 Resp: 280971
 Ion Ratio Lower Upper
 43 100
 72 26.2 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 5.274 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

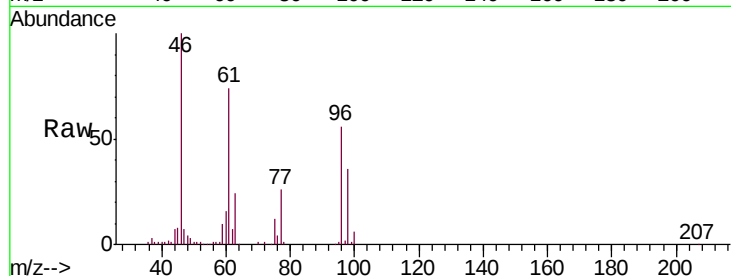
Tgt Ion: 96 Resp: 110803

Ion Ratio Lower Upper

96 100

61 130.6 89.7 166.5

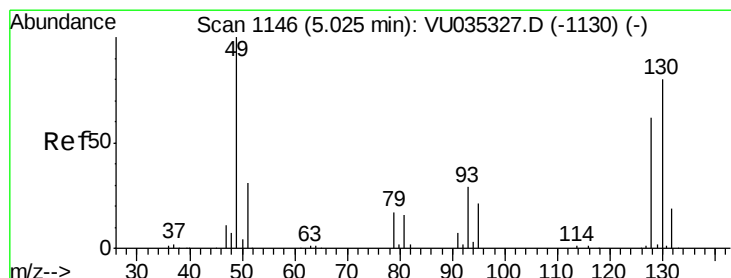
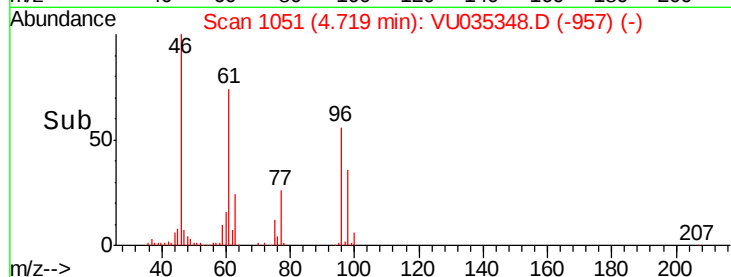
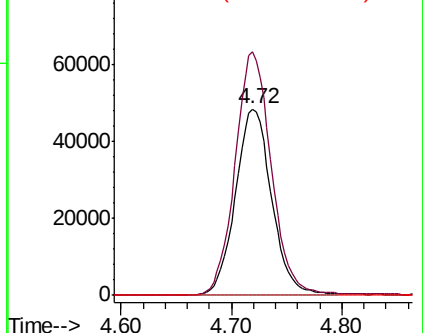
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035348.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035348.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035348.D (-957) (-)



#23

Bromochloromethane

Concen: 5.326 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Tgt Ion: 128 Resp: 48171

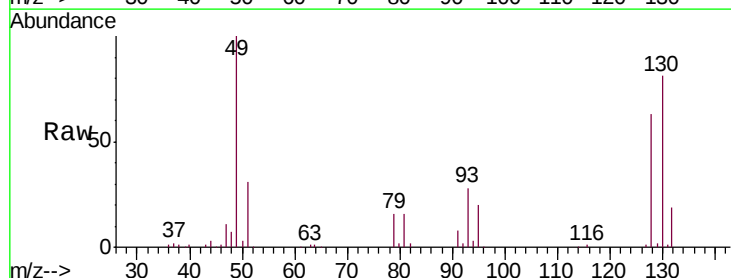
Ion Ratio Lower Upper

128 100

49 159.7 109.3 203.1

130 128.7 88.7 164.7

51 49.0 39.2 58.8

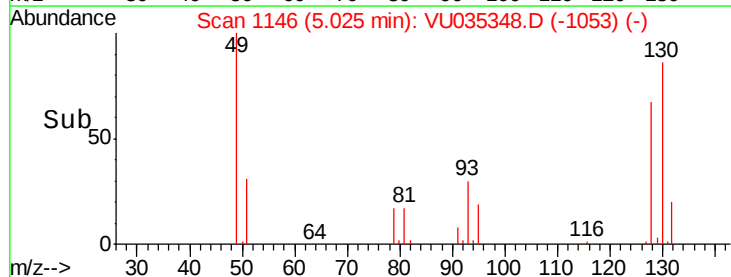
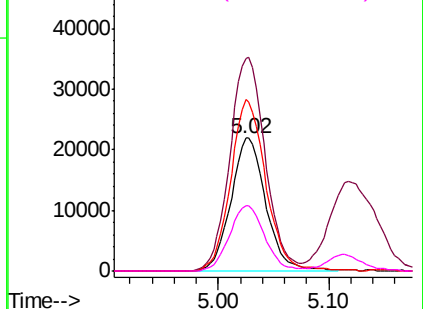


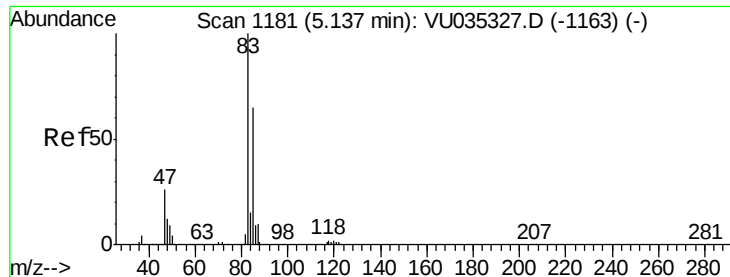
Abundance Ion 127.90 (127.60 to 128.60): VU035348.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU035348.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU035348.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU035348.D (-1053) (-)

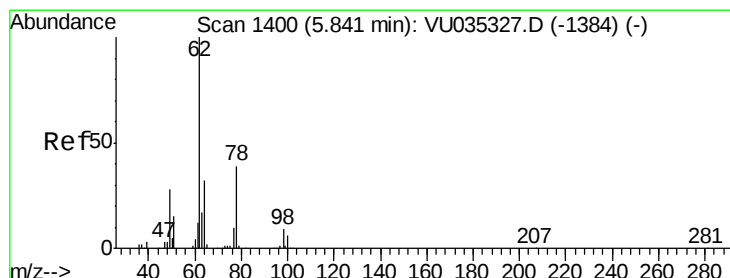
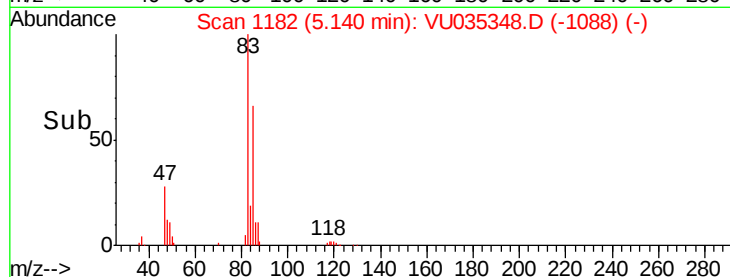
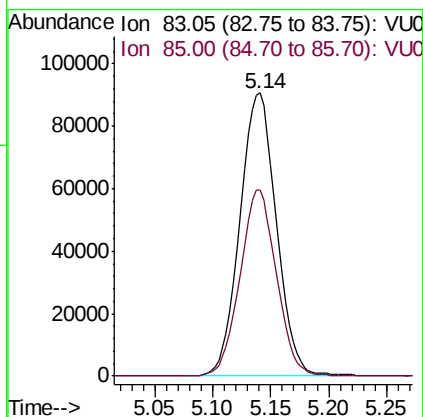
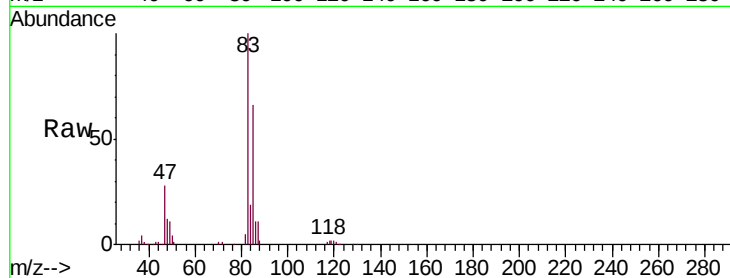




#25
Chloroform
Concen: 5.261 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

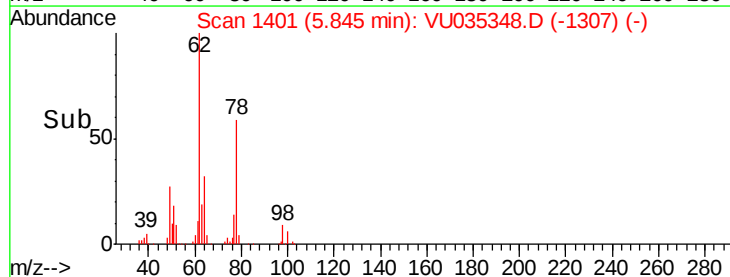
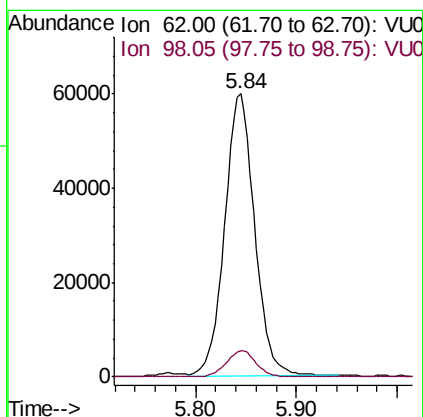
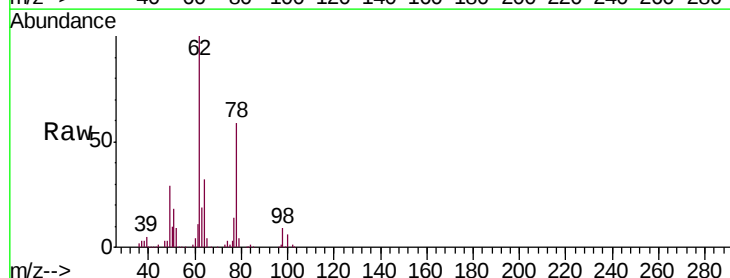
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

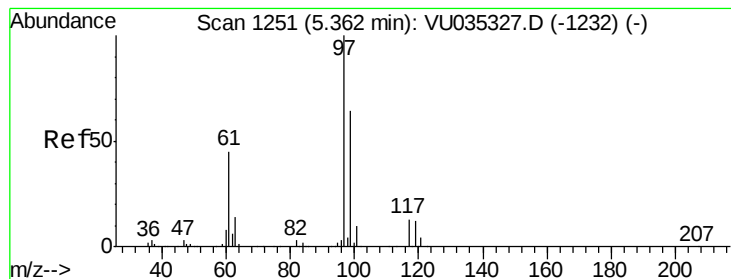
Tgt Ion: 83 Resp: 198423
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.382 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Tgt Ion: 62 Resp: 124502
Ion Ratio Lower Upper
62 100
98 9.1 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.086 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

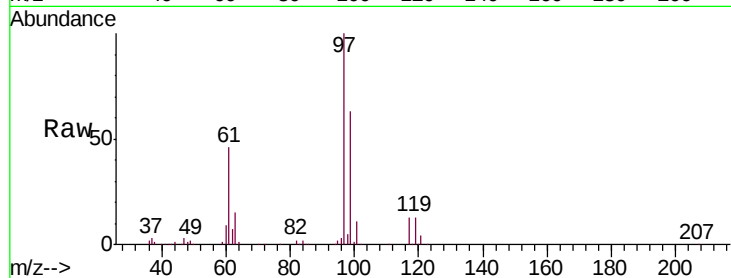
Tgt Ion: 97 Resp: 160952

Ion Ratio Lower Upper

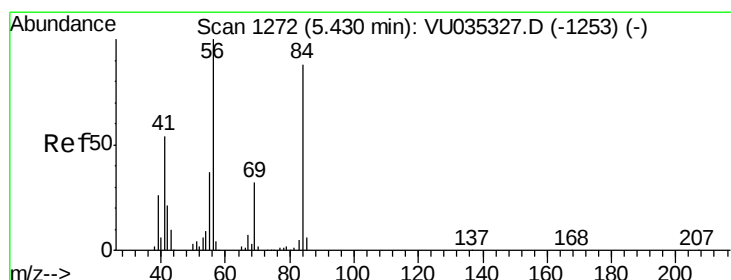
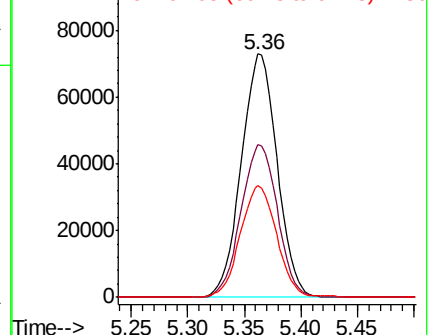
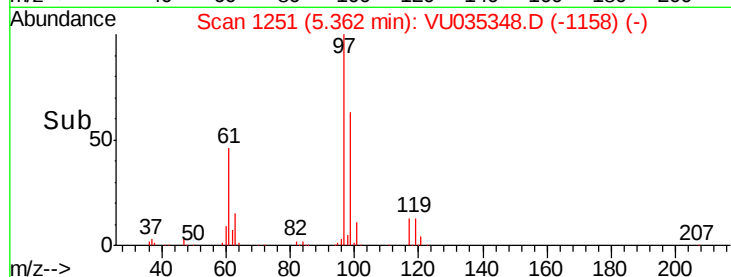
97 100

99 63.9 52.6 79.0

61 46.3 37.0 55.4



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



#30

Cyclohexane

Concen: 4.722 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

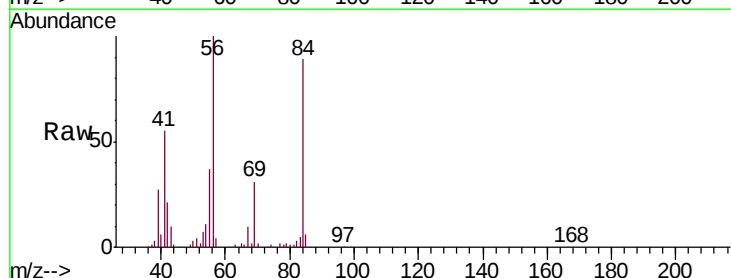
Tgt Ion: 56 Resp: 160054

Ion Ratio Lower Upper

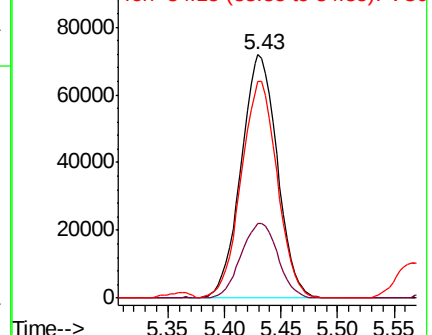
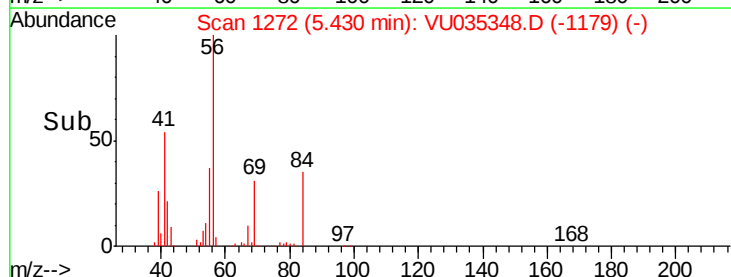
56 100

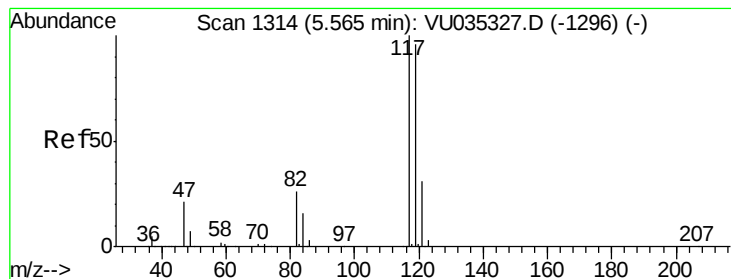
69 31.4 24.6 36.8

84 88.8 71.5 107.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.971 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

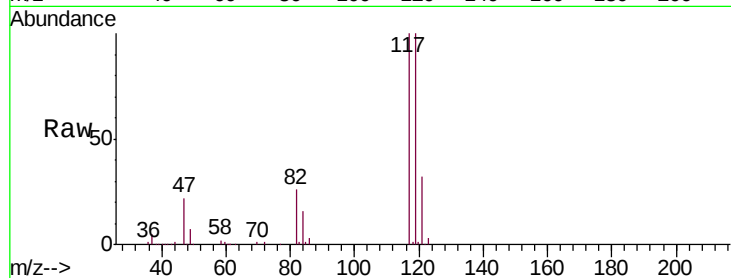
VSTD00530

Tgt Ion:117 Resp: 141652

Ion Ratio Lower Upper

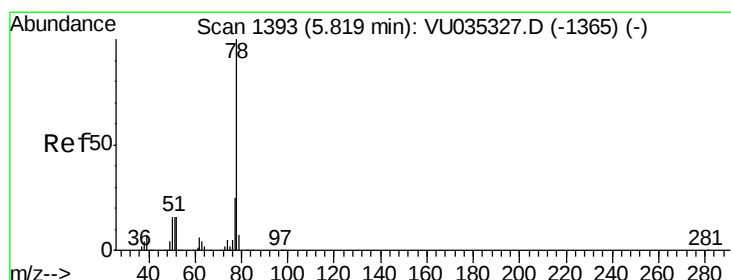
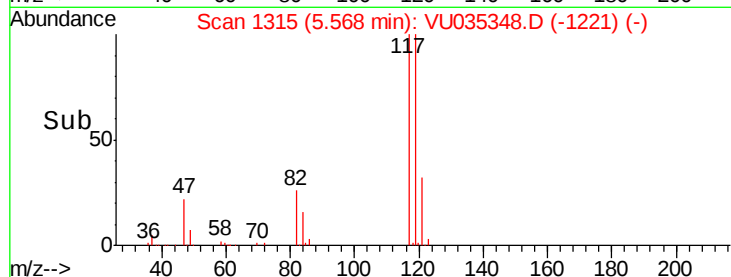
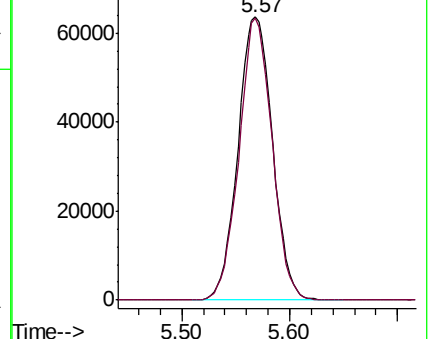
117 100

119 95.4 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.276 ug/L

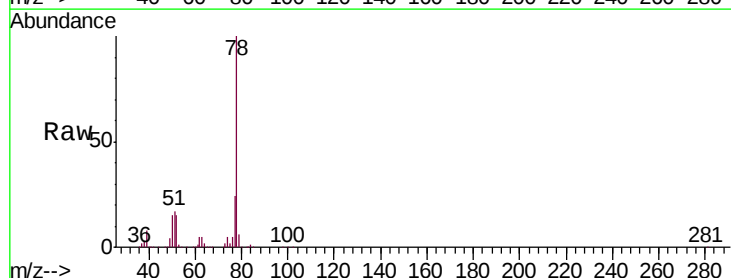
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

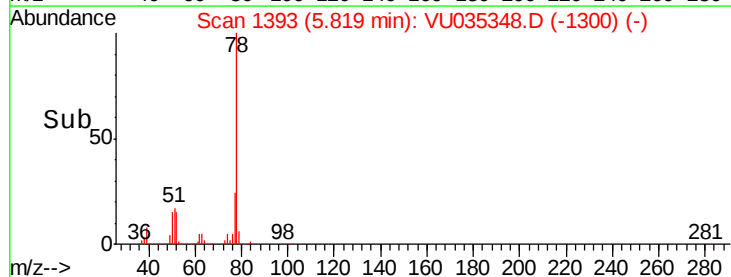
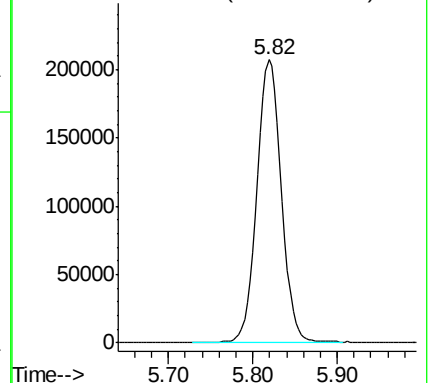
Lab File: VU035348.D

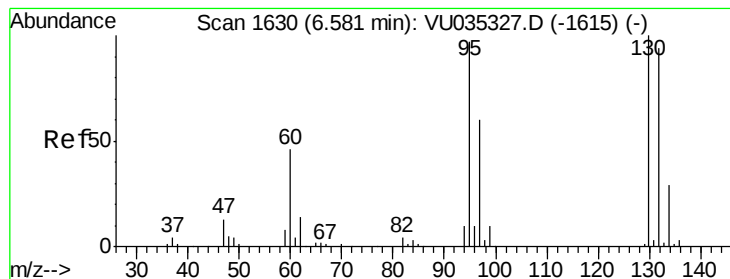
Acq: 22 Oct 2019 03:06

Tgt Ion: 78 Resp: 419407



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.969 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tgt Ion: 95 Resp: 106199

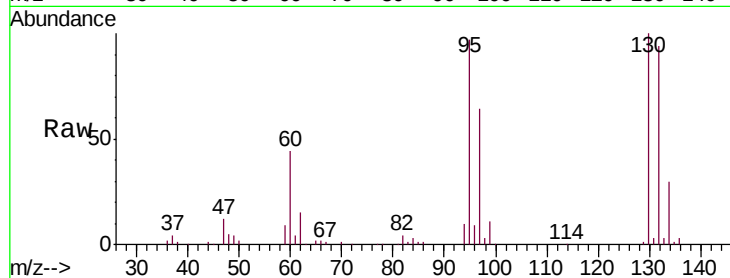
Ion Ratio Lower Upper

95 100

97 65.4 46.6 86.6

132 96.9 68.7 127.7

130 102.7 73.9 137.3

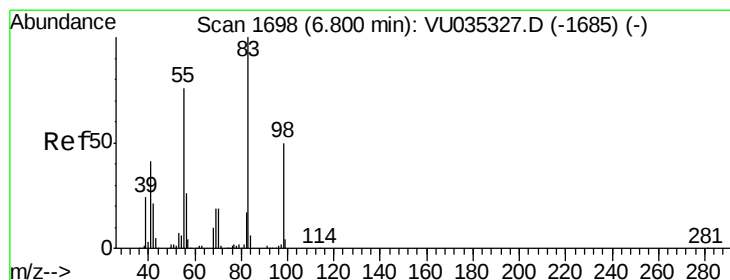
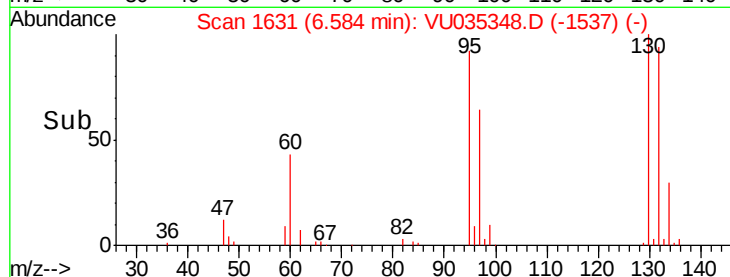
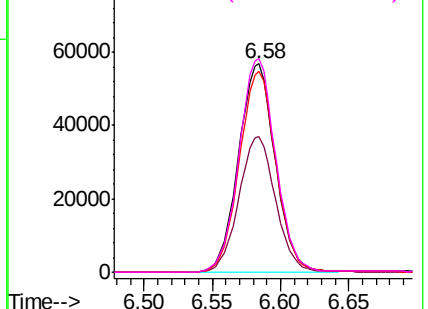


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.483 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

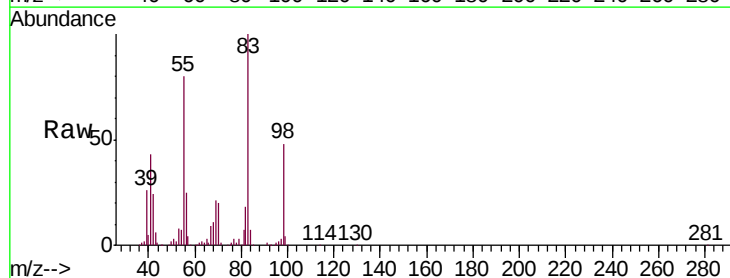
Tgt Ion: 83 Resp: 160115

Ion Ratio Lower Upper

83 100

55 78.8 60.4 90.6

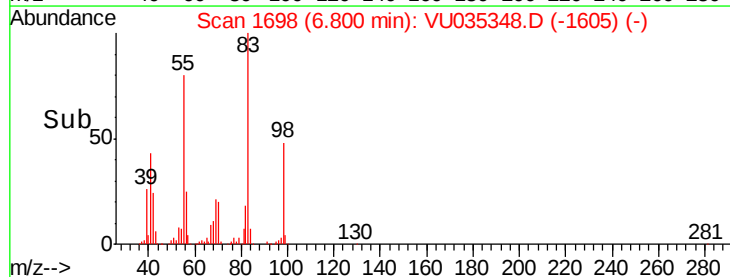
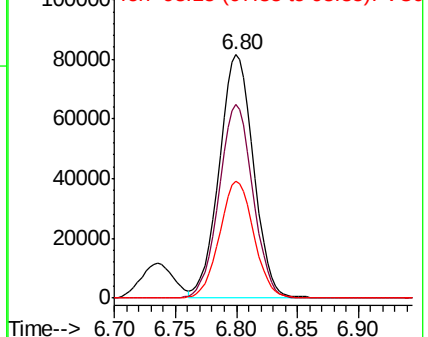
98 48.3 39.5 59.3

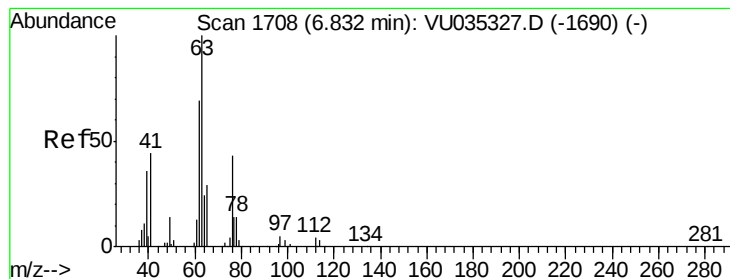


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.288 ug/L

RT: 6.83 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

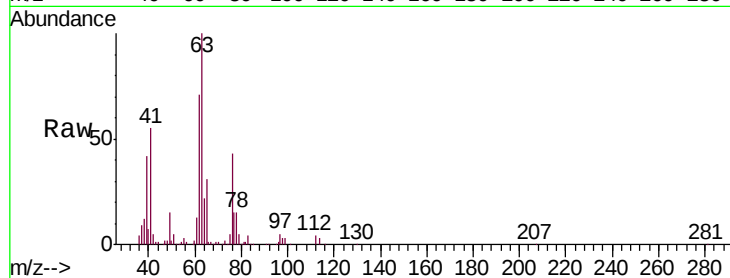
VSTD00530

Tgt Ion: 63 Resp: 106712

Ion Ratio Lower Upper

63 100

112 4.7 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VU035327.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU035327.D (-1690) (-)

6.83

60000

50000

40000

30000

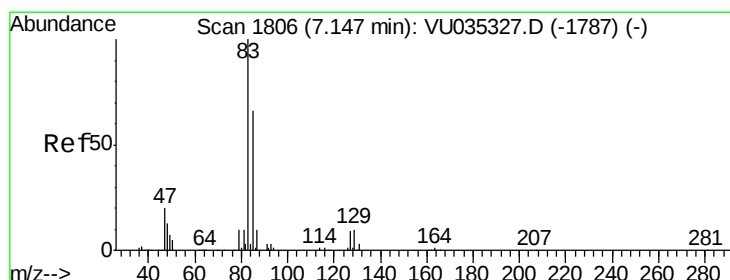
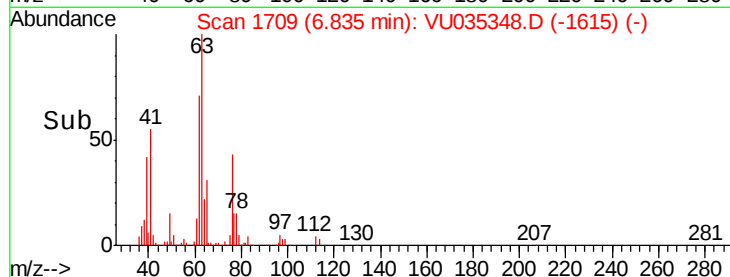
20000

10000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.053 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

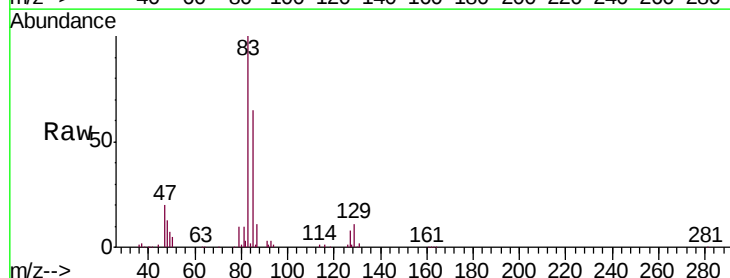
Tgt Ion: 83 Resp: 137394

Ion Ratio Lower Upper

83 100

85 64.7 45.6 84.8

127 8.4 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VU035327.D (-1787) (-)

Ion 85.00 (84.70 to 85.70): VU035327.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU035327.D (-1787) (-)

7.15

100000

80000

60000

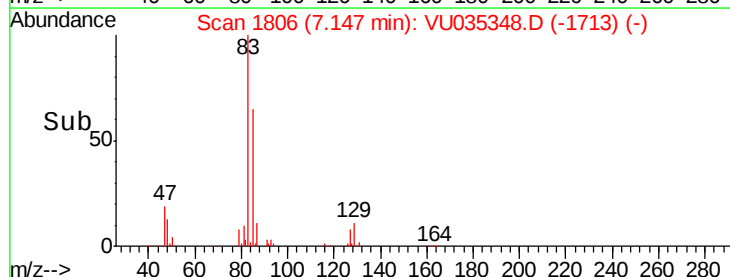
40000

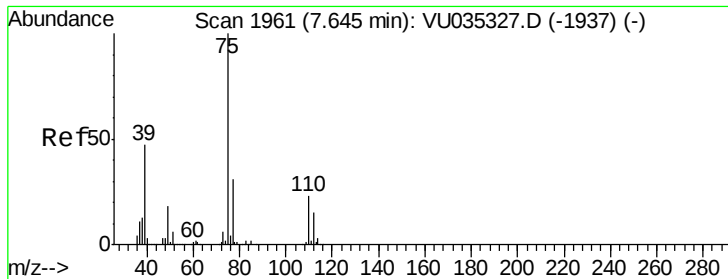
20000

0

7.05 7.10 7.15 7.20

Time-->

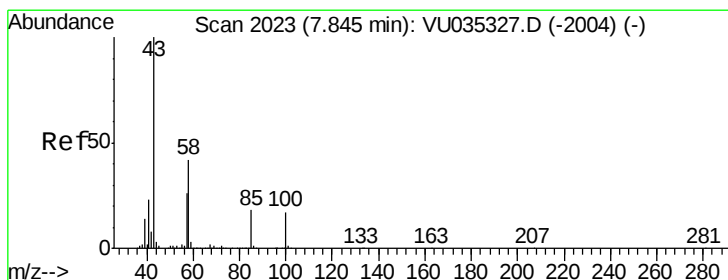
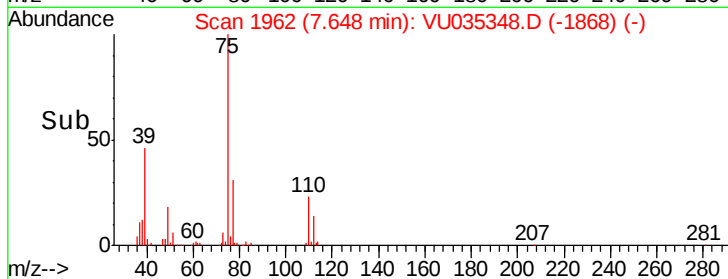
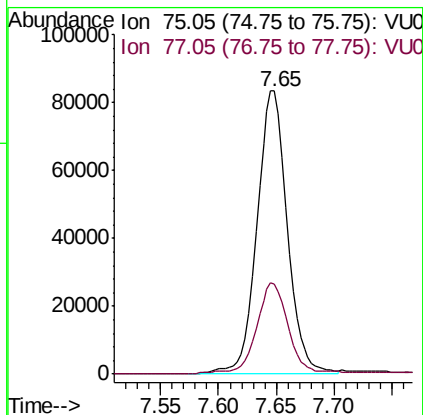
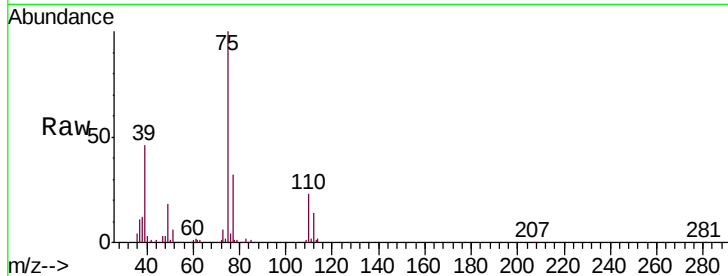




#39
 cis-1,3-Dichloropropene
 Concen: 4.519 ug/L
 RT: 7.65 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VU035348.D
 Acq: 22 Oct 2019 03:06

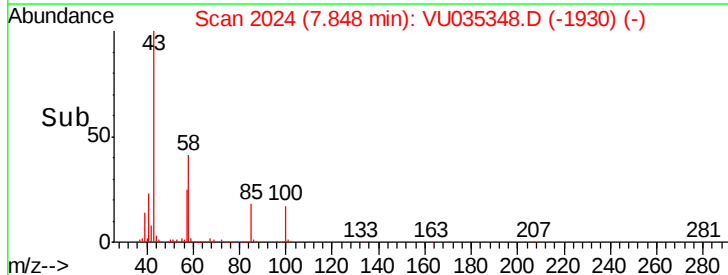
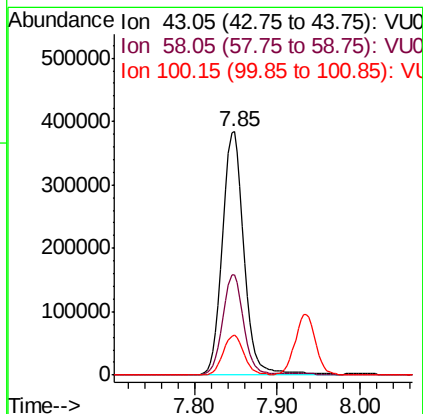
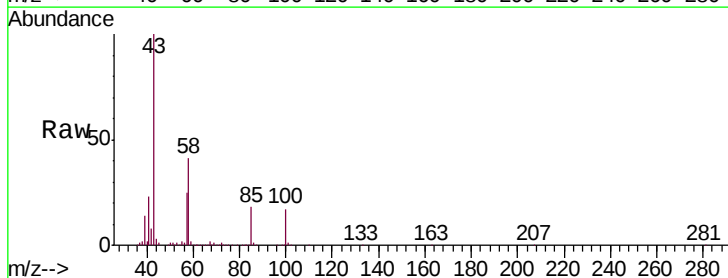
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

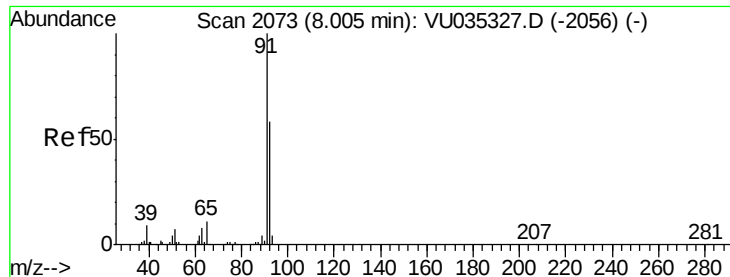
Tgt Ion: 75 Resp: 152657
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 50.739 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035348.D
 Acq: 22 Oct 2019 03:06

Tgt Ion: 43 Resp: 691251
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.3 48.5
 100 15.9 13.4 20.2





#42

Toluene

Concen: 5.117 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

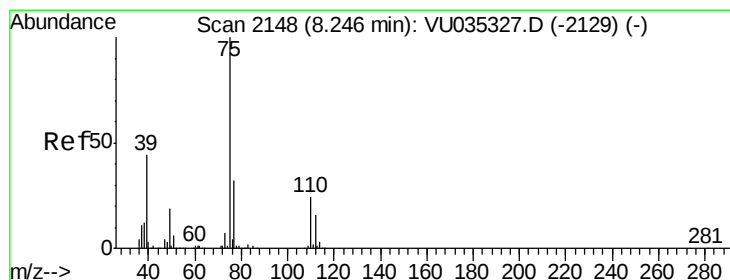
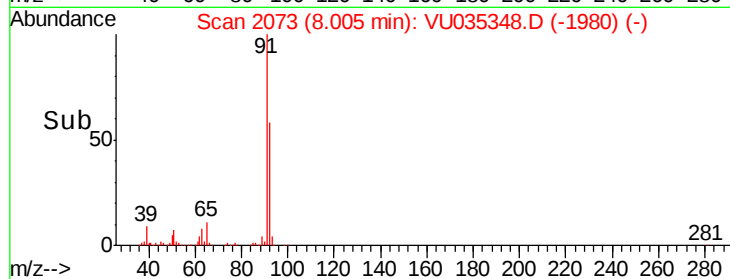
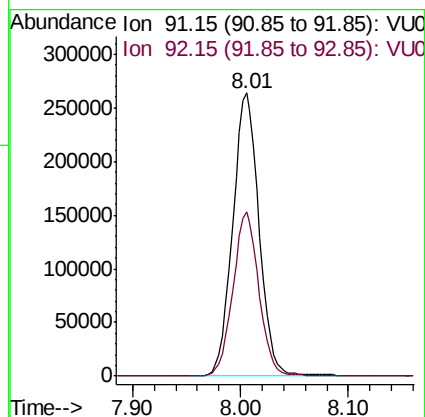
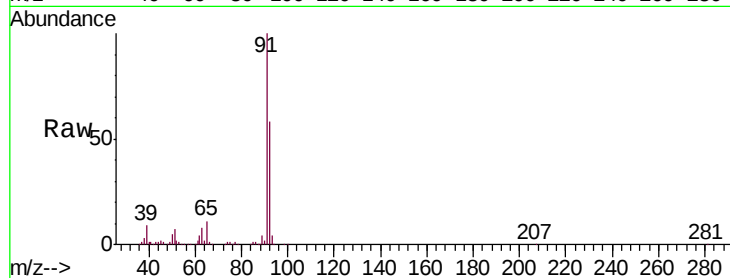
VSTD00530

Tgt Ion: 91 Resp: 449047

Ion Ratio Lower Upper

91 100

92 57.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.553 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035348.D

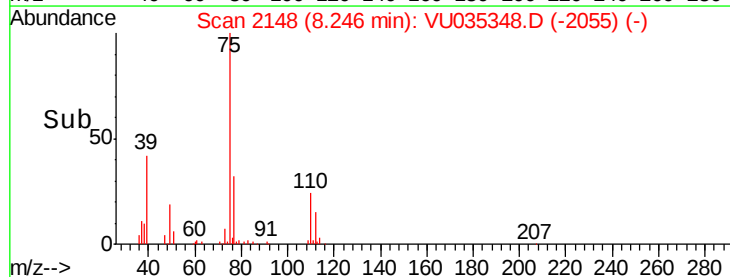
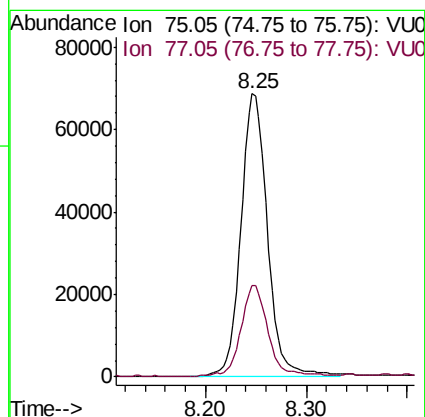
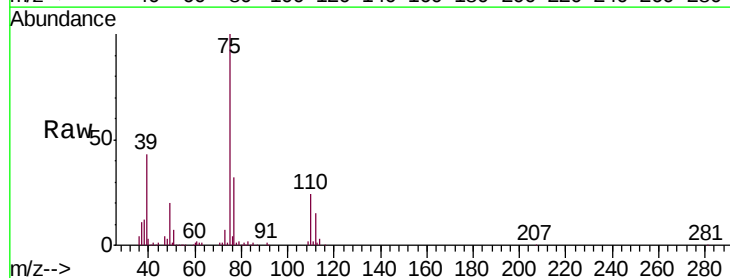
Acq: 22 Oct 2019 03:06

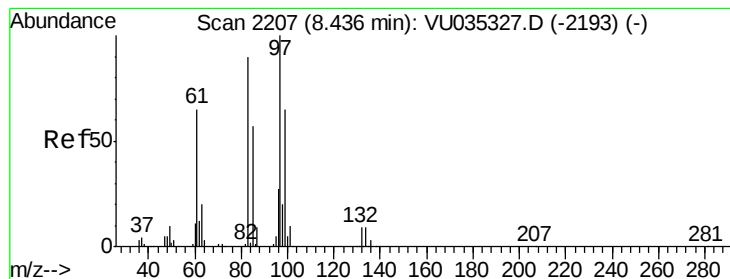
Tgt Ion: 75 Resp: 125677

Ion Ratio Lower Upper

75 100

77 32.4 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 5.271 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

Tgt Ion: 97 Resp: 78981

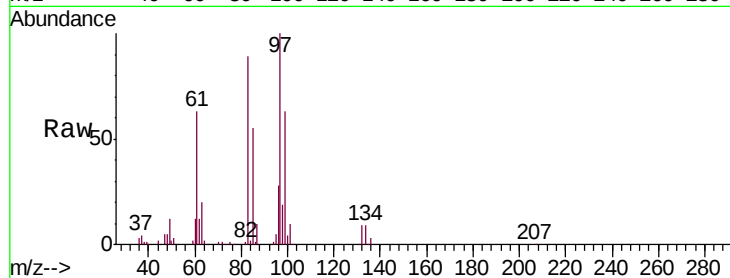
Ion Ratio Lower Upper

97 100

99 62.8 42.9 79.7

83 89.0 60.4 112.2

85 55.2 38.4 71.2

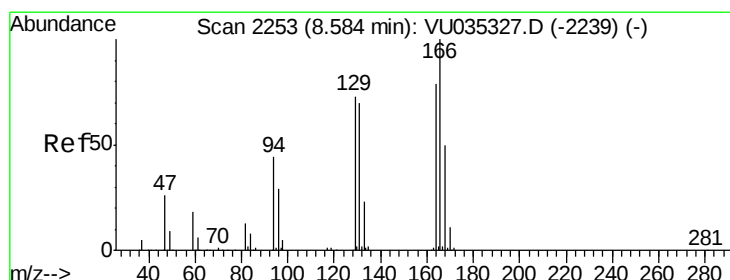
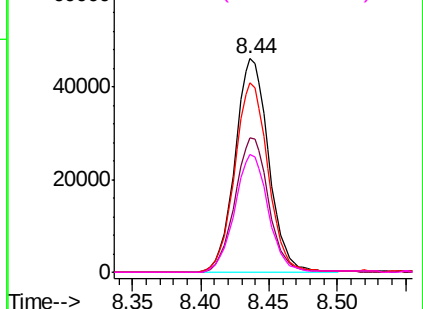
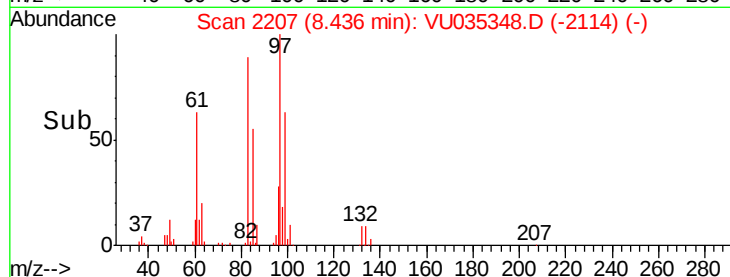


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.933 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Tgt Ion: 164 Resp: 87842

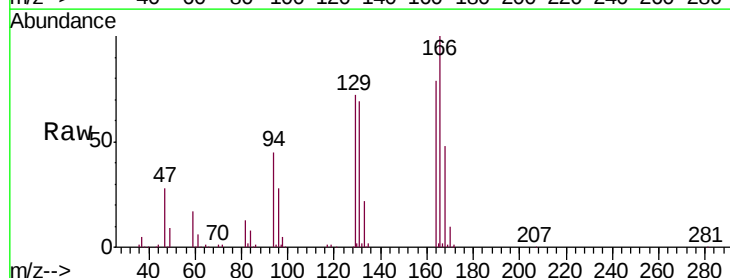
Ion Ratio Lower Upper

164 100

129 91.1 65.2 121.0

131 87.6 62.9 116.9

166 126.9 91.5 169.9

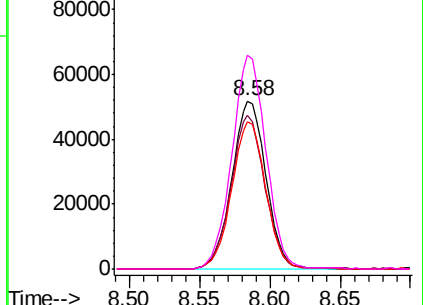
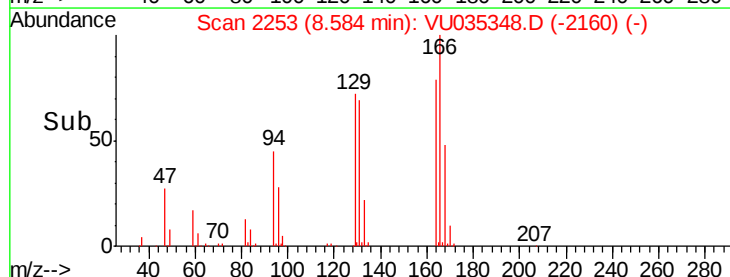


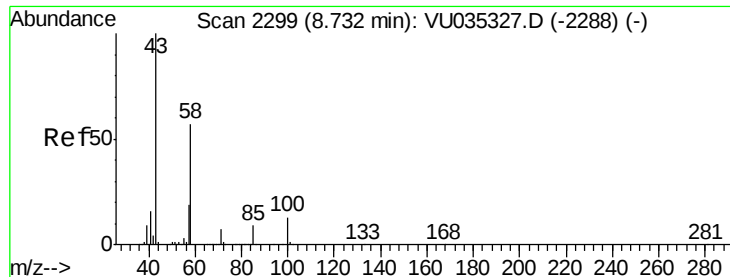
Abundance Ion 163.90 (163.60 to 164.60): V

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

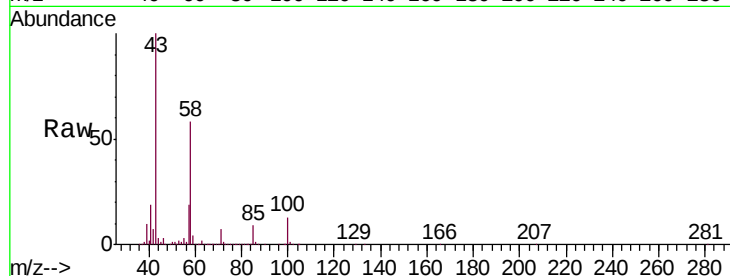




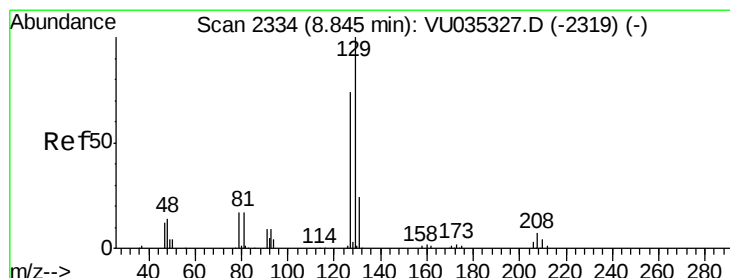
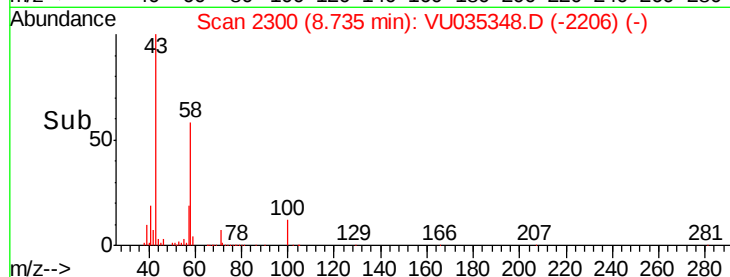
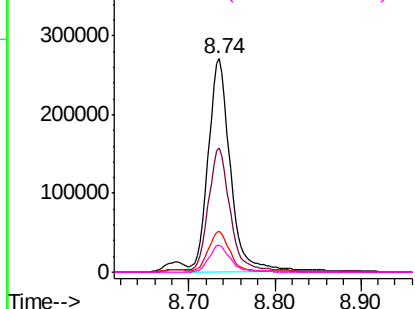
#48
2-Hexanone
Concen: 50.978 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion: 43 Resp: 487065
Ion Ratio Lower Upper
43 100
58 56.6 45.1 67.7
57 18.5 16.0 24.0
100 12.7 10.4 15.6

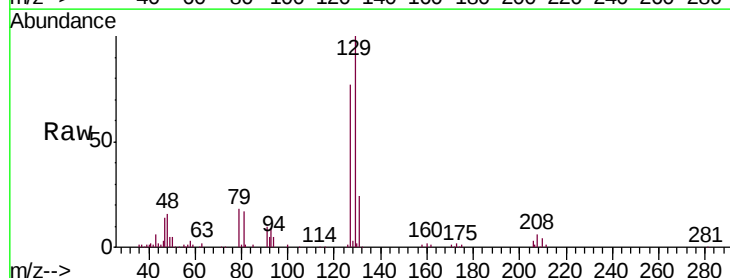


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

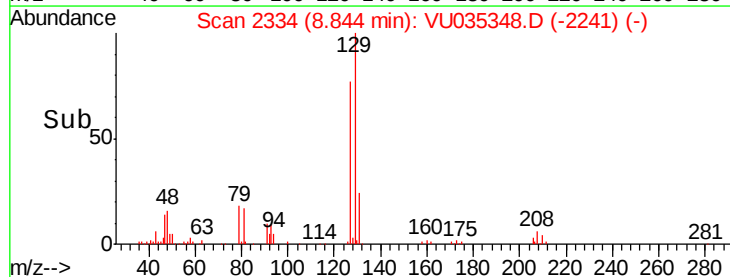
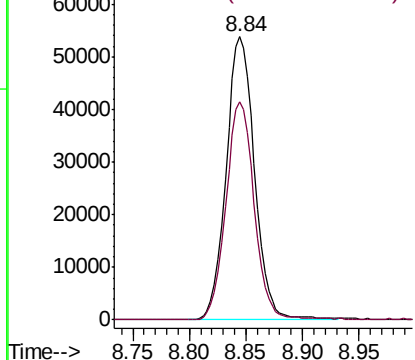


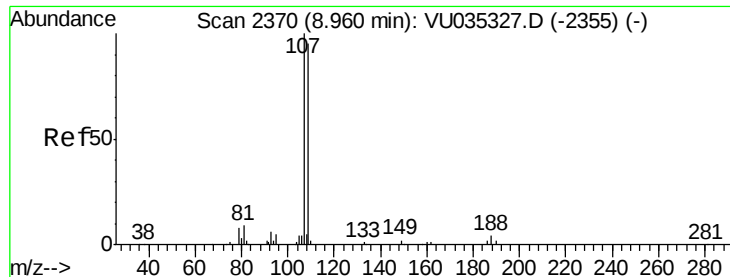
#49
Dibromochloromethane
Concen: 4.962 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Tgt Ion: 129 Resp: 94256
Ion Ratio Lower Upper
129 100
127 77.3 53.8 99.8



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

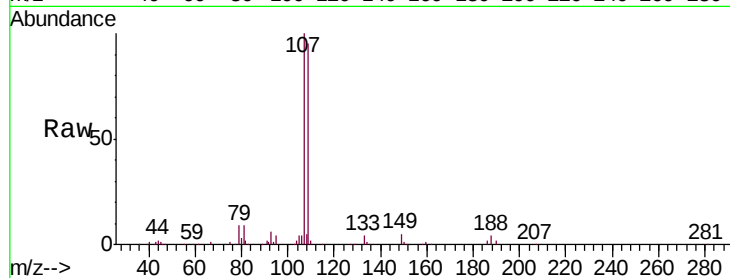




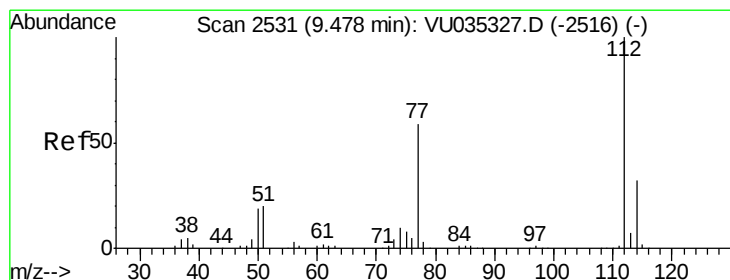
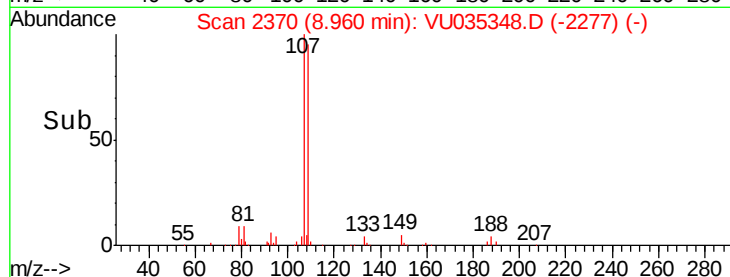
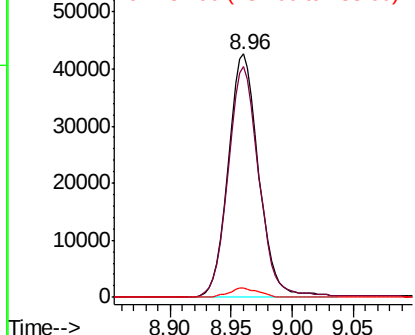
#50
1,2-Dibromoethane
Concen: 5.007 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion:107 Resp: 74998
Ion Ratio Lower Upper
107 100
109 94.7 66.1 122.8
188 4.0 3.2 4.8

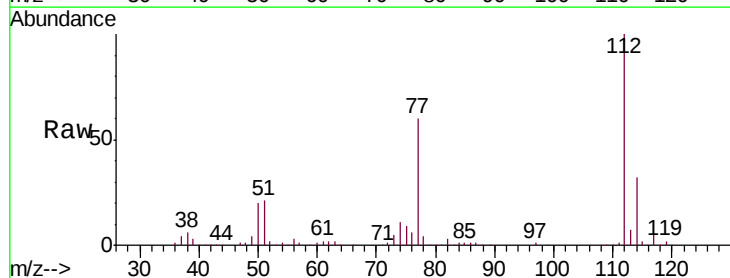


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

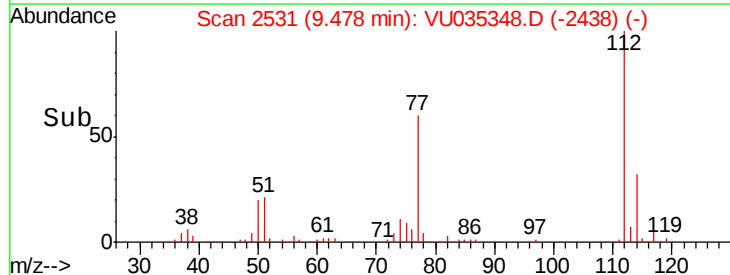
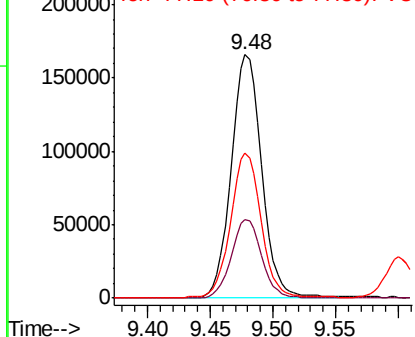


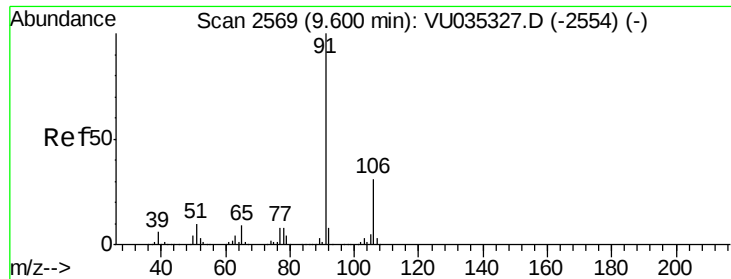
#51
Chlorobenzene
Concen: 4.952 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Tgt Ion:112 Resp: 280578
Ion Ratio Lower Upper
112 100
114 32.5 23.0 42.8
77 59.6 47.5 71.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.915 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

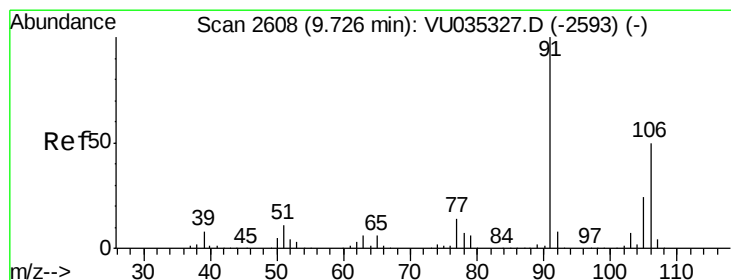
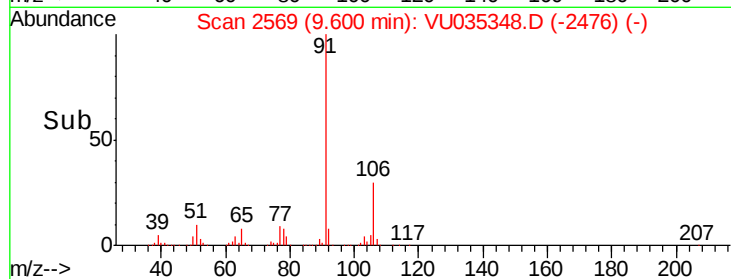
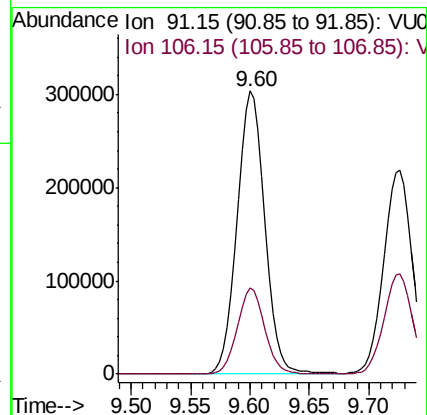
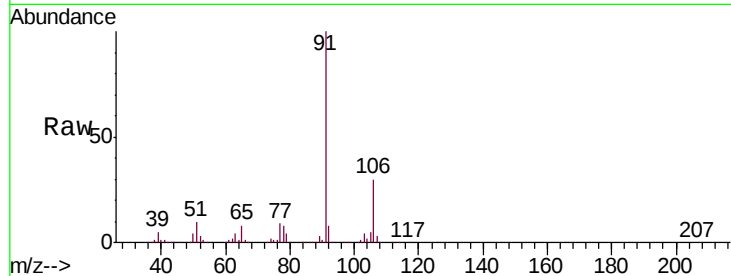
VSTD00530

Tgt Ion: 91 Resp: 490449

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#53

m,p-Xylene

Concen: 4.869 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035348.D

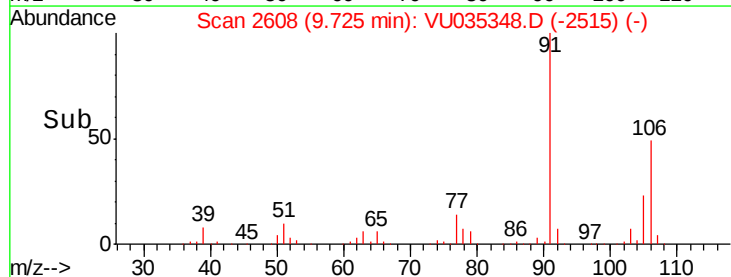
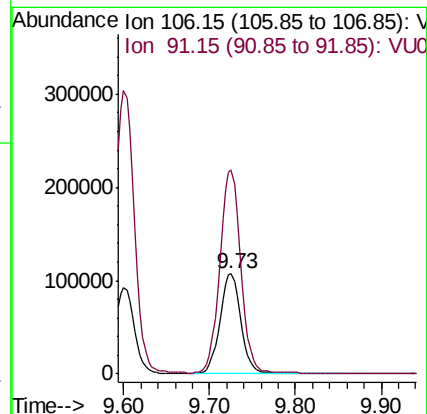
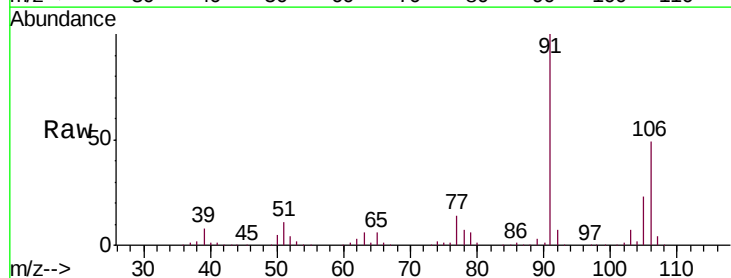
Acq: 22 Oct 2019 03:06

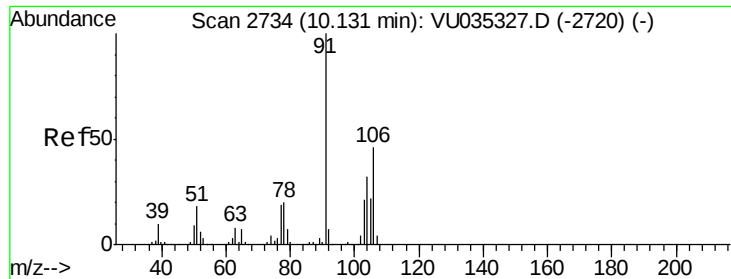
Tgt Ion: 106 Resp: 183484

Ion Ratio Lower Upper

106 100

91 203.7 142.0 263.6

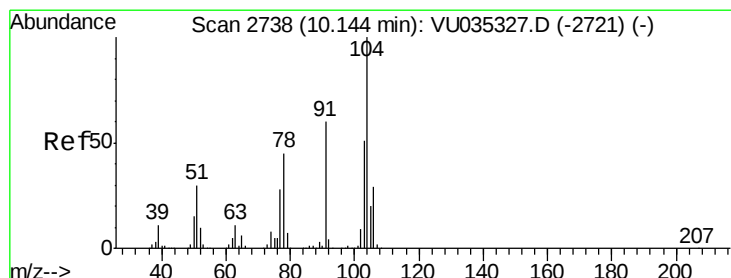
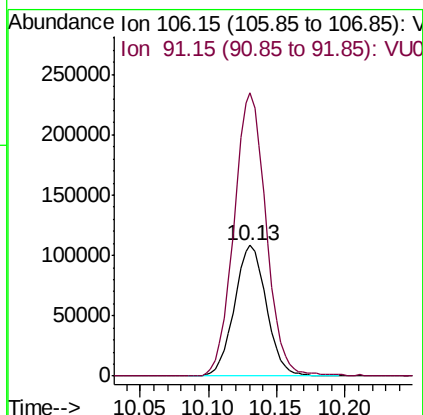
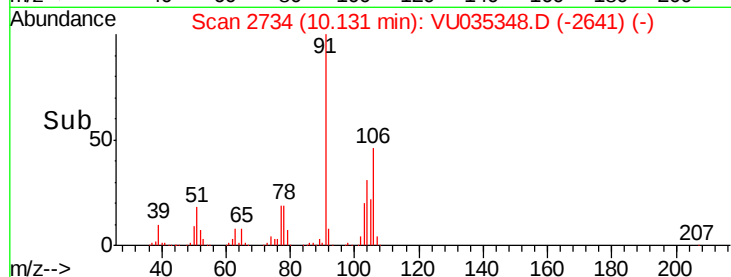
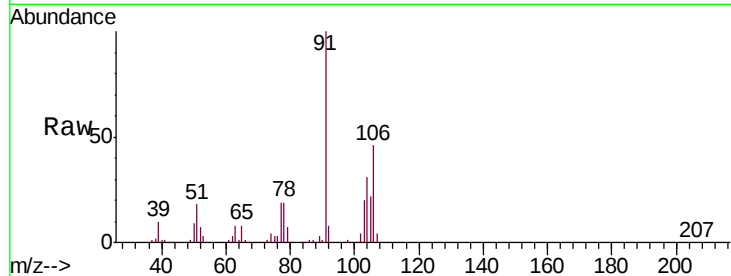




#54
o-Xylene
Concen: 4.841 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

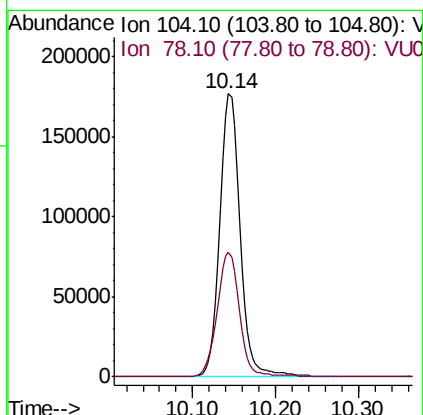
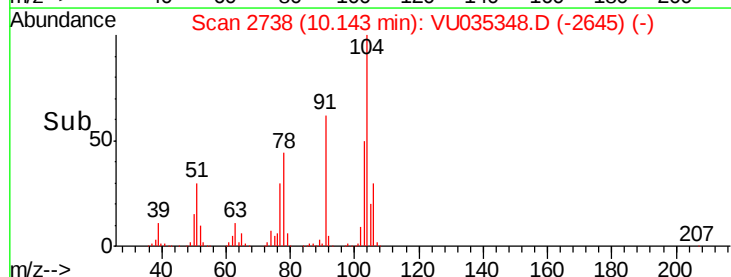
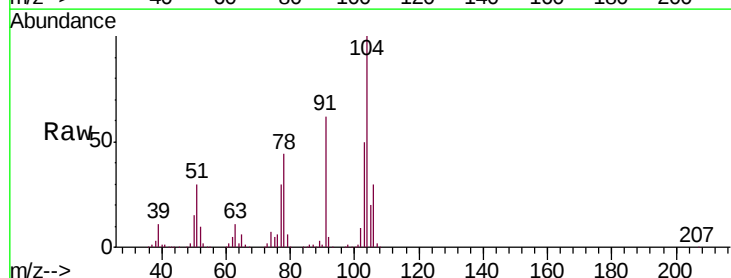
Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

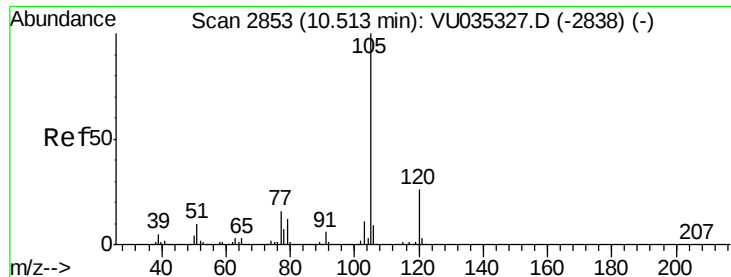
Tgt Ion:106 Resp: 178024
Ion Ratio Lower Upper
106 100
91 216.1 153.2 284.6



#55
Styrene
Concen: 5.000 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Tgt Ion:104 Resp: 299373
Ion Ratio Lower Upper
104 100
78 44.2 31.3 58.1





#56

Isopropylbenzene

Concen: 4.758 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

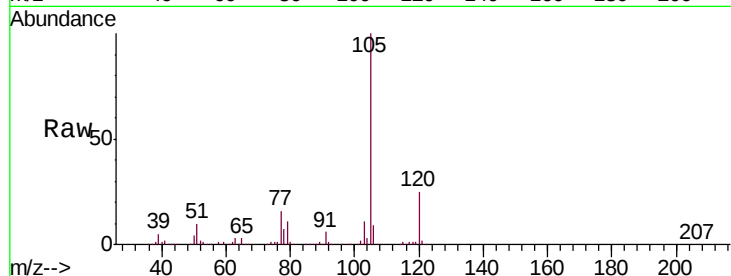
Tgt Ion: 105 Resp: 470701

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

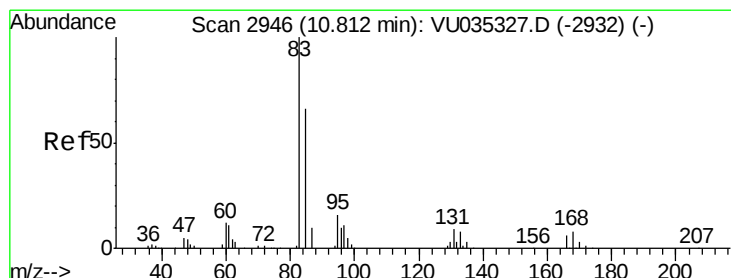
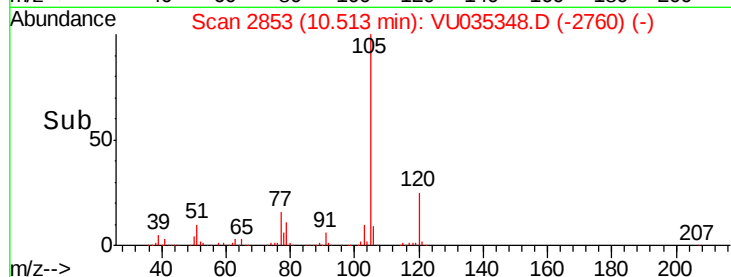
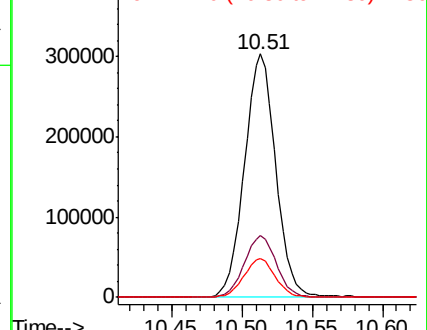
77 16.2 12.6 19.0



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.408 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

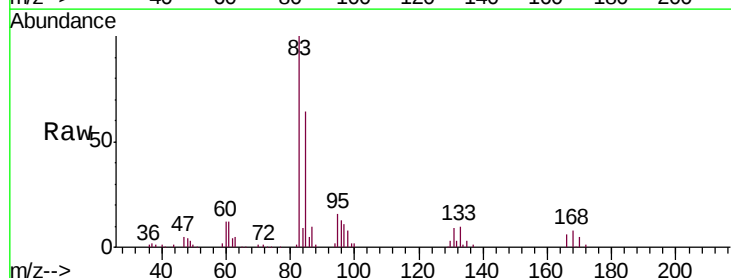
Tgt Ion: 83 Resp: 104278

Ion Ratio Lower Upper

83 100

85 64.2 46.8 86.8

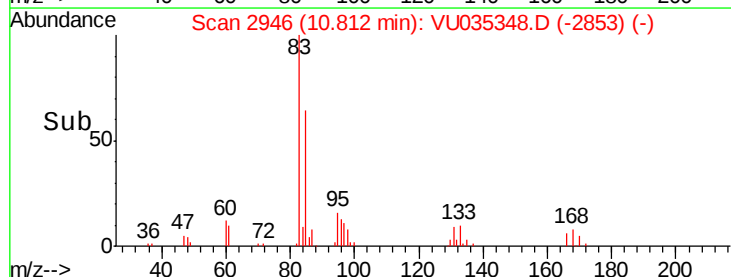
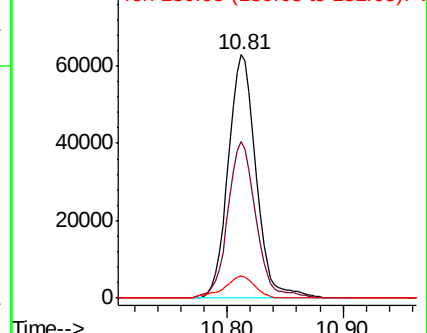
131 9.0 7.5 11.3

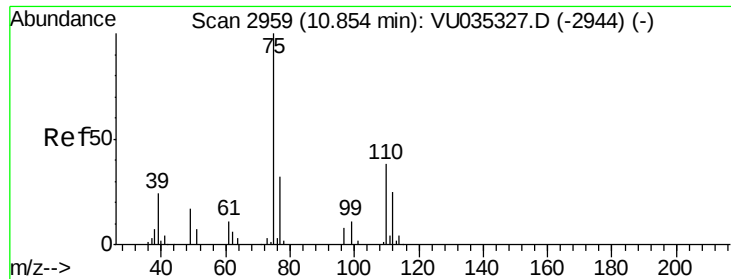


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.113 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

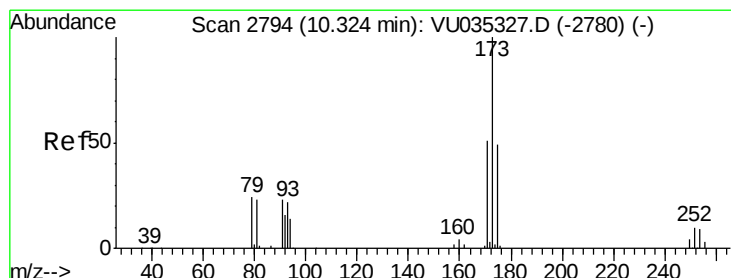
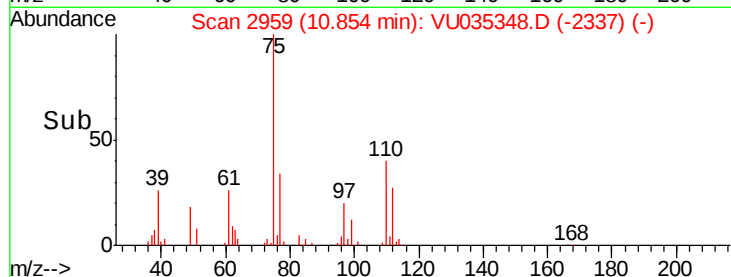
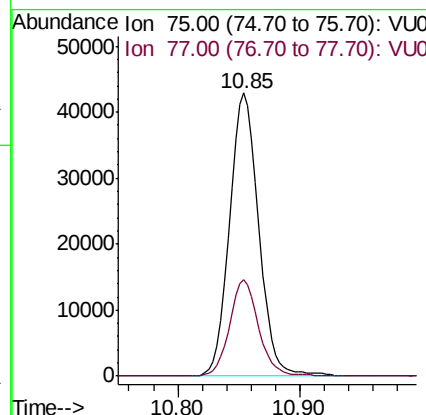
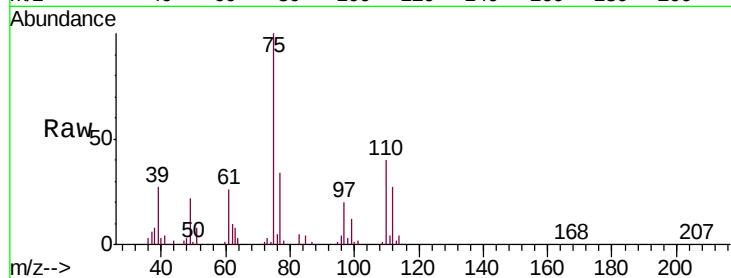
VSTD00530

Tgt Ion: 75 Resp: 71898

Ion Ratio Lower Upper

75 100

77 33.9 26.2 39.2



#61

Bromoform

Concen: 4.548 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

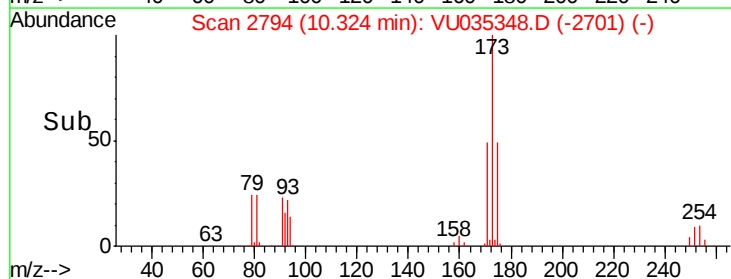
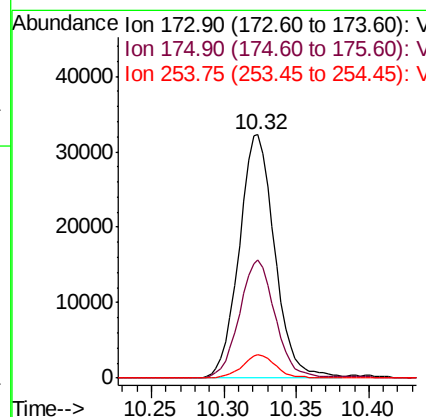
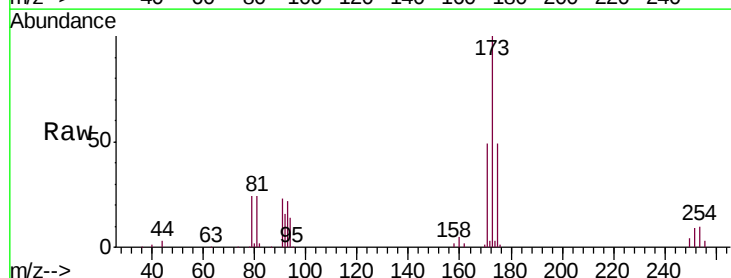
Tgt Ion: 173 Resp: 55052

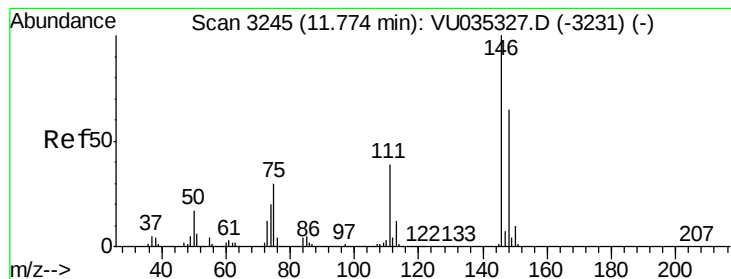
Ion Ratio Lower Upper

173 100

175 48.8 38.8 58.2

254 9.0 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

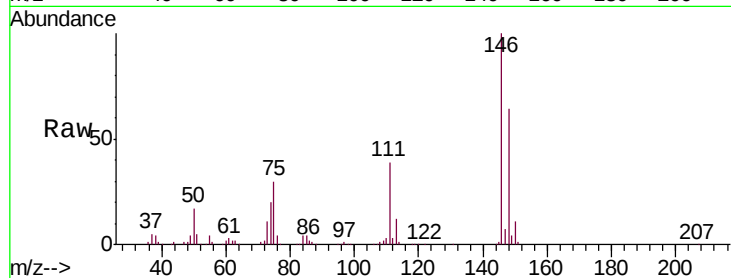
Tgt Ion:146 Resp: 223185

Ion Ratio Lower Upper

146 100

111 39.1 27.8 51.6

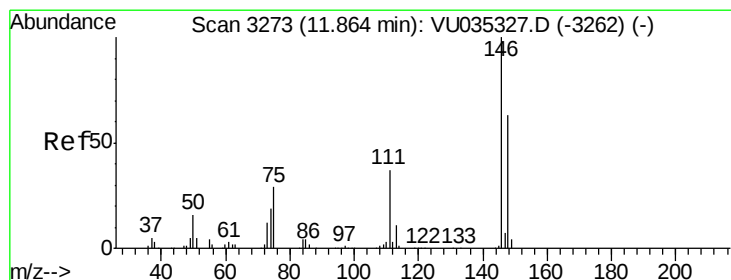
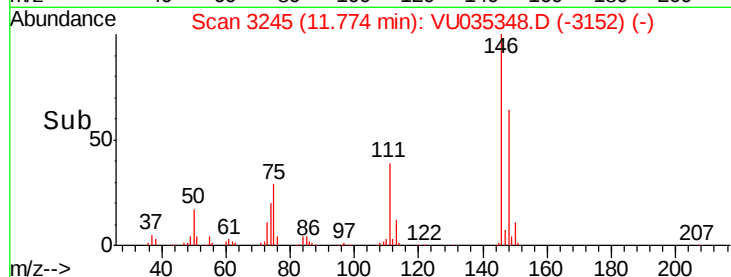
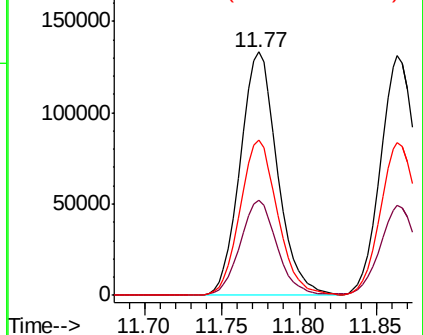
148 63.9 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.042 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

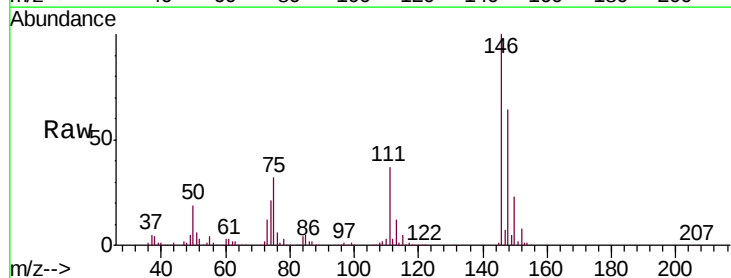
Tgt Ion:146 Resp: 221082

Ion Ratio Lower Upper

146 100

111 37.4 26.4 49.0

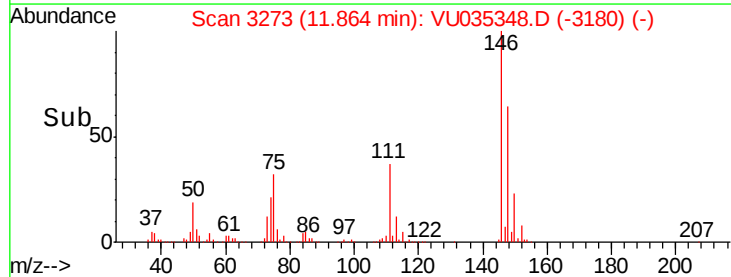
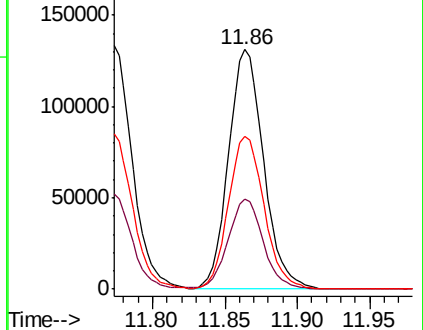
148 64.1 44.7 83.1

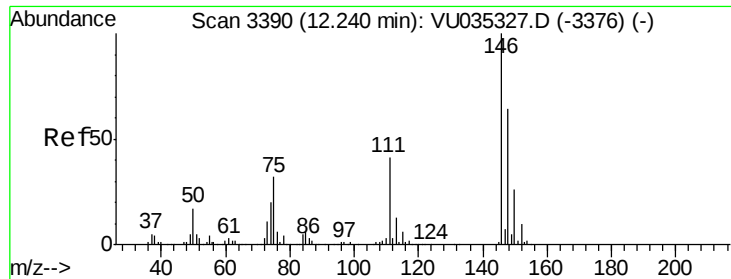


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.024 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD00530

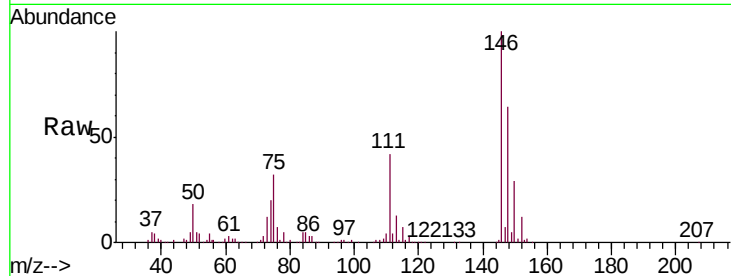
Tgt Ion:146 Resp: 210466

Ion Ratio Lower Upper

146 100

111 42.1 33.0 49.6

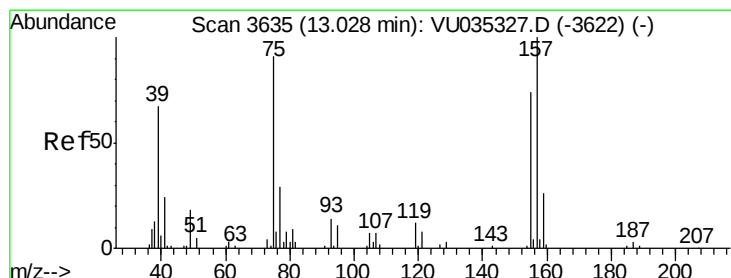
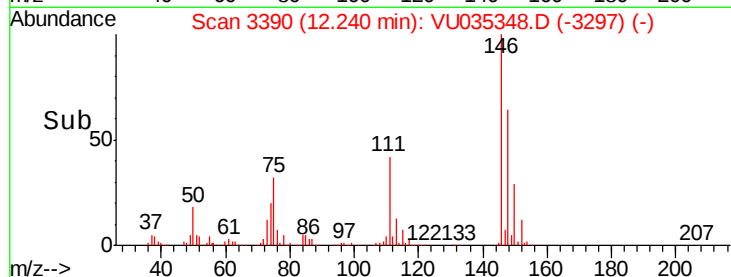
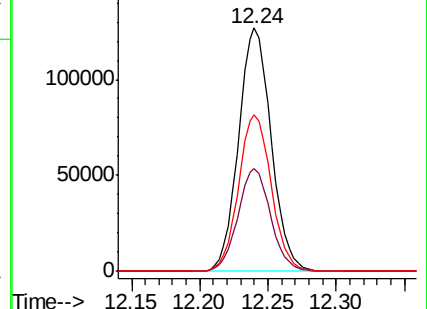
148 64.3 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.859 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035348.D

Acq: 22 Oct 2019 03:06

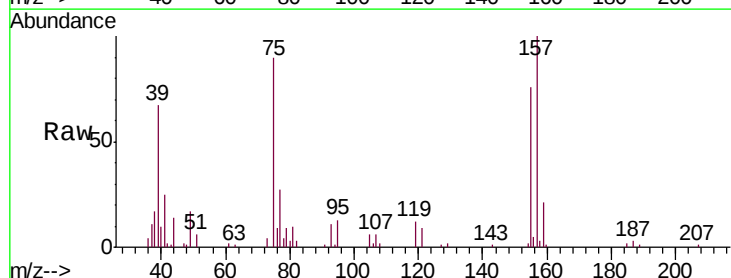
Tgt Ion: 75 Resp: 14380

Ion Ratio Lower Upper

75 100

155 84.7 70.0 105.0

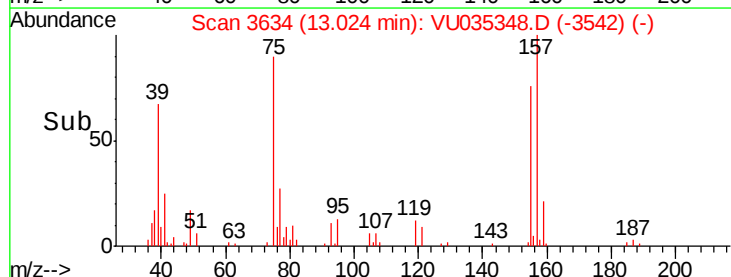
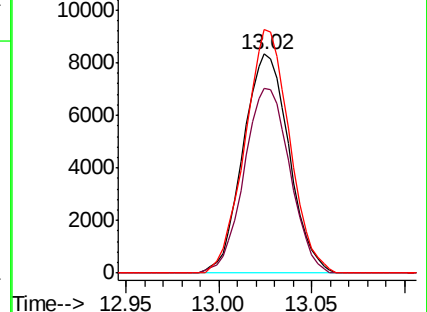
157 111.2 94.7 142.1

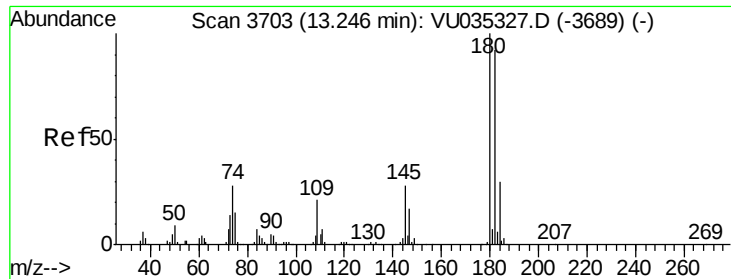


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

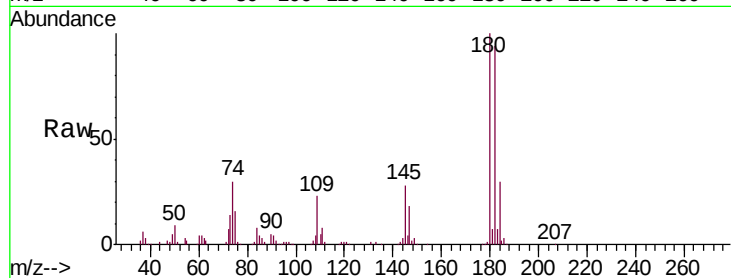




#67
 1,3,5-Trichlorobenzene
 Concen: 4.991 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035348.D
 Acq: 22 Oct 2019 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00530

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.4	116.2
184	30.4	23.9	35.9
145	27.7	22.4	33.6



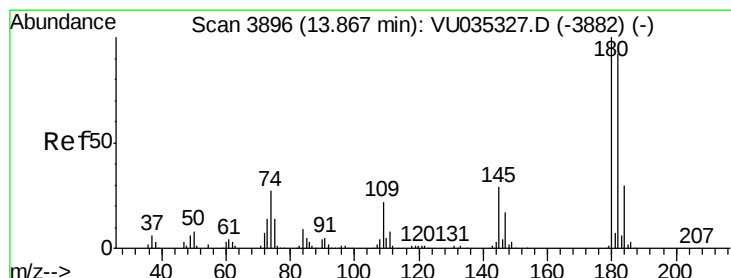
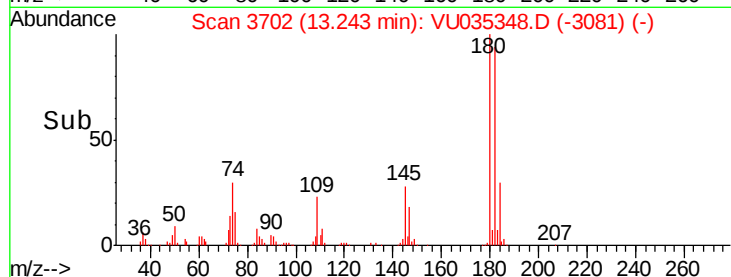
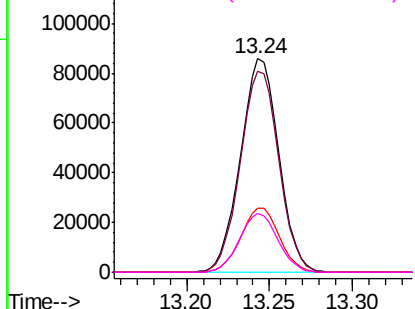
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

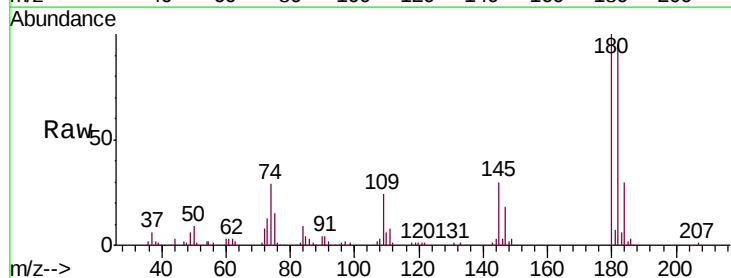
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.160 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035348.D
 Acq: 22 Oct 2019 03:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.9	113.9
145	29.6	23.4	35.2

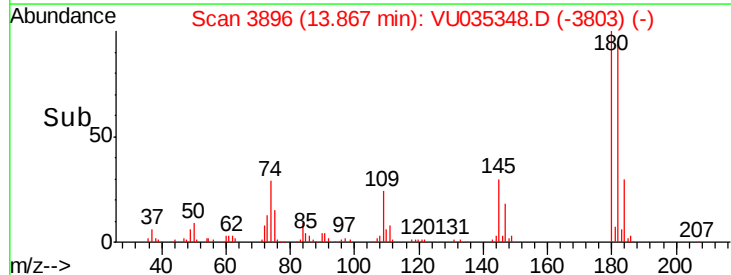
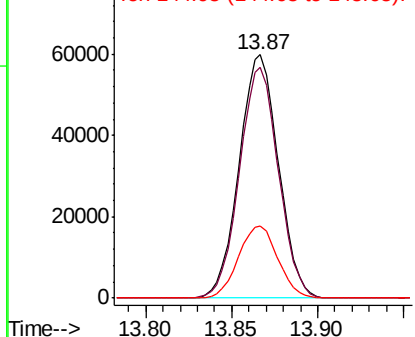


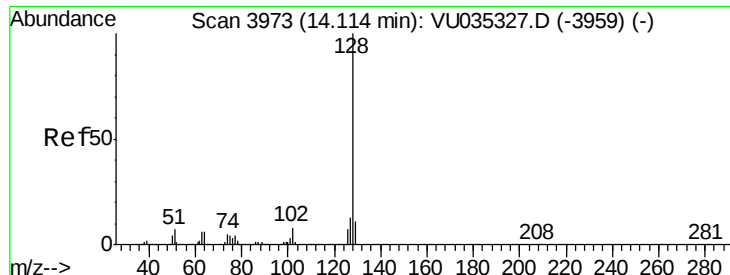
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

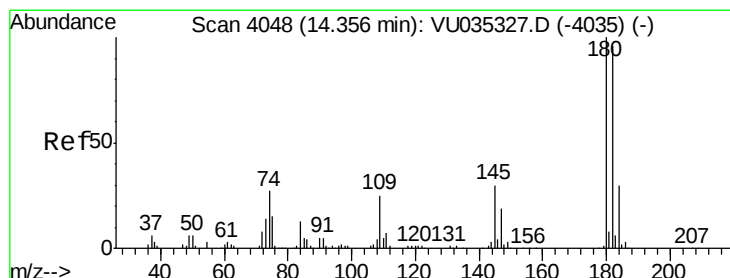
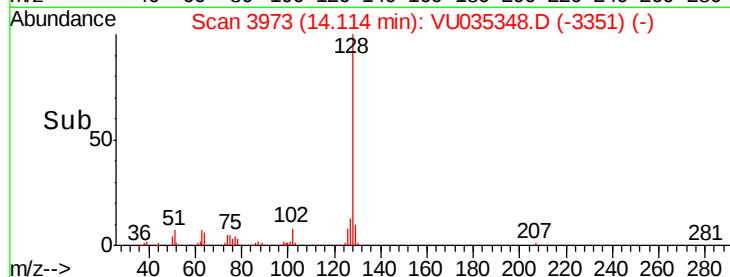
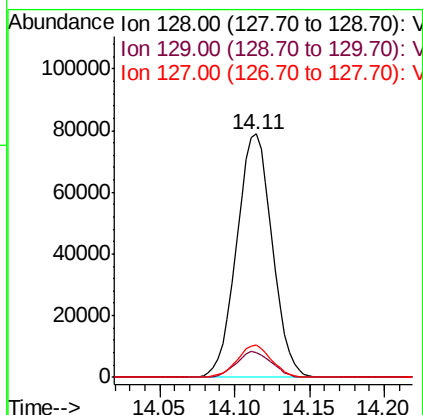
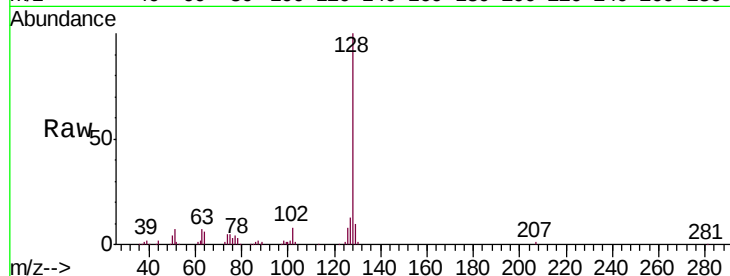




#69
Naphthalene
Concen: 5.165 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. -0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Instrument :
MSVOA_U
ClientSampleId :
VSTD00530

Tgt Ion:128 Resp: 130424
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.8 10.7 16.1



#70
1,2,3-Trichlorobenzene
Concen: 5.598 ug/L
RT: 14.36 min Scan# 4048
Delta R.T. -0.00 min
Lab File: VU035348.D
Acq: 22 Oct 2019 03:06

Tgt Ion:180 Resp: 96290
Ion Ratio Lower Upper
180 100
182 91.8 76.0 114.0
145 29.8 24.6 37.0

