

Data File : VU034415.D
Acq On : 08 Sep 2019 06:18
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Quant Time: Sep 08 07:05:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Sep 08 03:44:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	256602	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	261711	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	146153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	80313	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.68	69	73955	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.27	63	165058	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	4.17	46	222568	55.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.50%
24) Chloroform-d	4.63	84	165291	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.29	65	79097	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.32	84	340933	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.31	67	107333	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.54	98	320558	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.83	79	34807	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.30	63	169159	51.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.58%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	89642	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	130231	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	130442	5.305 ug/L	99
3) Chloromethane	1.32	50	131553	5.418 ug/L	100
5) Vinyl chloride	1.40	62	137616	5.462 ug/L	100
6) Bromomethane	1.62	94	67948	5.737 ug/L	100
8) Chloroethane	1.69	64	77966	5.391 ug/L	98
9) Trichlorofluoromethane	1.88	101	160897	5.716 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	91735	5.664 ug/L	96
12) 1,1-Dichloroethene	2.28	96	93537	5.861 ug/L	80
13) Acetone	2.31	43	141580	52.968 ug/L	97
14) Carbon disulfide	2.47	76	292611	5.372 ug/L	99
15) Methyl Acetate	2.60	43	41063	5.476 ug/L	97
16) Methylene chloride	2.68	84	99471	5.490 ug/L	96
17) Methyl tert-butyl Ether	2.99	73	224973	5.665 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	98967	5.734 ug/L	95
19) 1,1-Dichloroethane	3.42	63	189287	5.562 ug/L	99
21) 2-Butanone	4.25	43	251706	56.520 ug/L	97
22) cis-1,2-Dichloroethene	4.20	96	108026	5.566 ug/L	91

Data File : VU034415.D
Acq On : 08 Sep 2019 06:18
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Quant Time: Sep 08 07:05:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Sep 08 03:44:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	48678	5.841	ug/L	99
25) Chloroform	4.65	83	191009	5.513	ug/L	99
27) 1,2-Dichloroethane	5.39	62	105391	5.511	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	151728	5.287	ug/L	99
30) Cyclohexane	4.97	56	151770	4.471	ug/L	97
31) Carbon tetrachloride	5.11	117	136642	5.384	ug/L	99
33) Benzene	5.37	78	407691	5.150	ug/L	100
34) Trichloroethene	6.16	95	102038	5.002	ug/L	96
35) Methylcyclohexane	6.39	83	150871	4.462	ug/L	96
37) 1,2-Dichloropropane	6.41	63	106840	5.239	ug/L	99
38) Bromodichloromethane	6.74	83	125685	5.291	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	127137	4.471	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	593487	52.450	ug/L	98
42) Toluene	7.62	91	444228	5.318	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	99853	4.725	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	72636	5.553	ug/L	99
47) Tetrachloroethene	8.21	164	89834	5.358	ug/L	96
48) 2-Hexanone	8.34	43	429249	54.471	ug/L	96
49) Dibromochloromethane	8.46	129	88850	5.726	ug/L	99
50) 1,2-Dibromoethane	8.57	107	67138	5.424	ug/L	99
51) Chlorobenzene	9.10	112	280704	5.269	ug/L	99
52) Ethylbenzene	9.23	91	446956	4.951	ug/L	98
53) m,p-Xylene	9.35	106	178053	5.132	ug/L	96
54) o-Xylene	9.76	106	171313	5.153	ug/L	98
55) Styrene	9.77	104	301991	5.438	ug/L	99
56) Isopropylbenzene	10.14	105	433943	4.906	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	94455	5.615	ug/L	98
59) 1,2,3-Trichloropropane	10.47	75	65571	5.614	ug/L	100
61) Bromoform	9.94	173	51198	5.597	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	240702	5.283	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	238937	5.202	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	223307	5.348	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	13248	5.240	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	177749	4.871	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	133231	4.763	ug/L	98
69) Naphthalene	13.72	128	191207	4.540	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	132386	5.197	ug/L	97

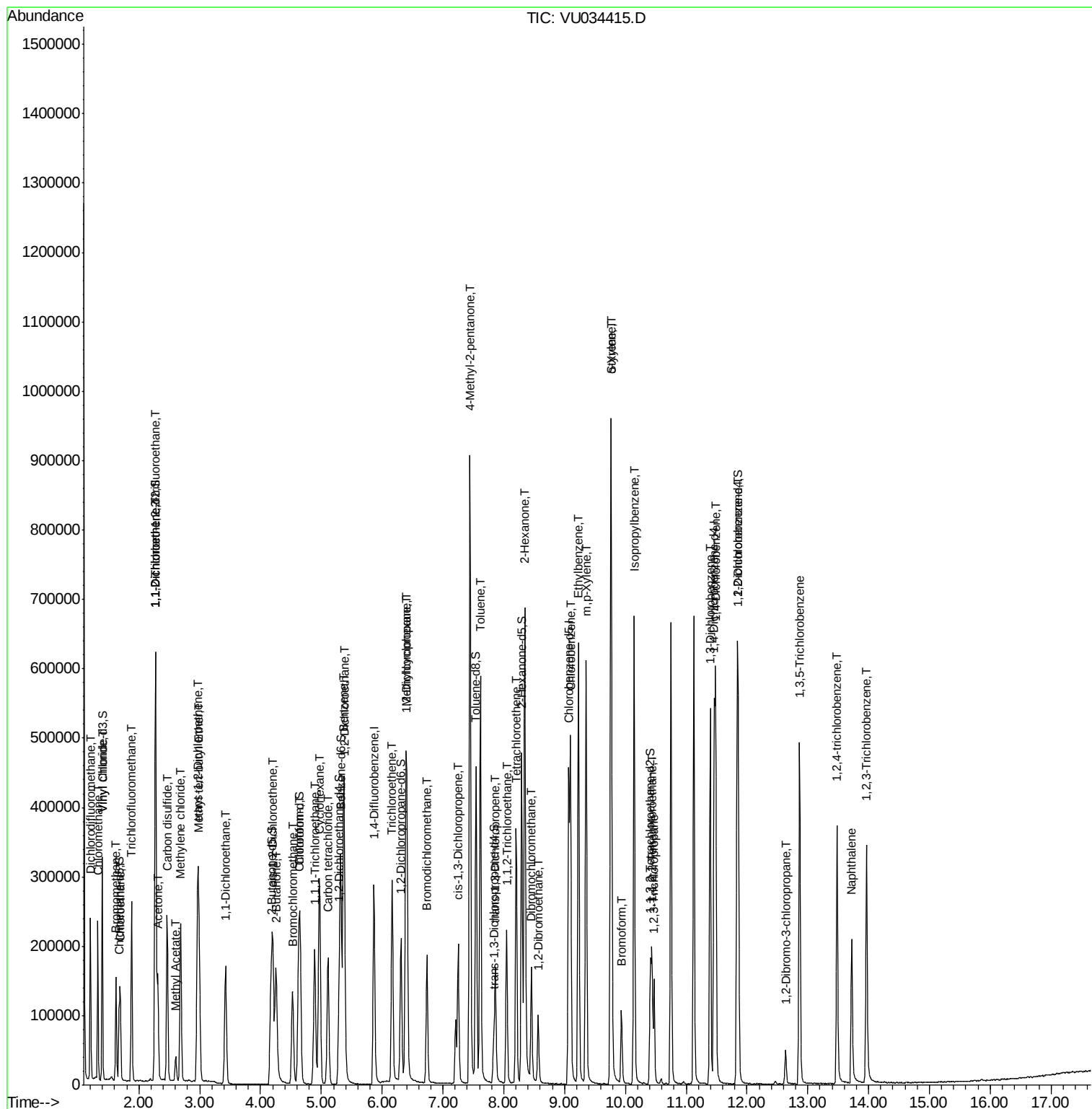
(#) = qualifier out of range (m) = manual integration (+) = signals summed

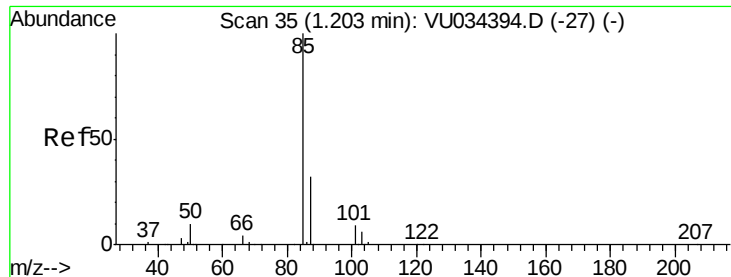
Data File : VU034415.D

```
Acq On       : 08 Sep 2019   06:18
Operator     : JC/SP
Sample       : VSTDCCC005EC
Misc         : 25.0mL/MSVOA_U/WATER
ALS Vial     : 52      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Quant Time: Sep 08 07:05:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sun Sep 08 03:44:03 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.305 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

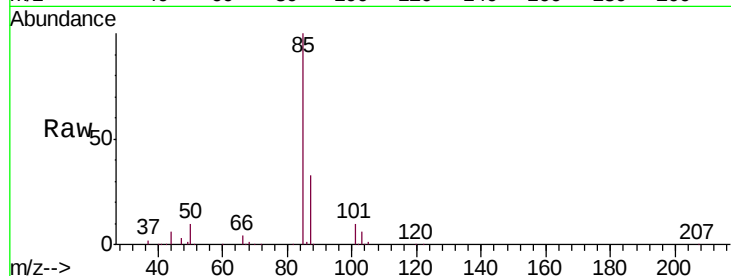
VSTD00519

Tgt Ion: 85 Resp: 130442

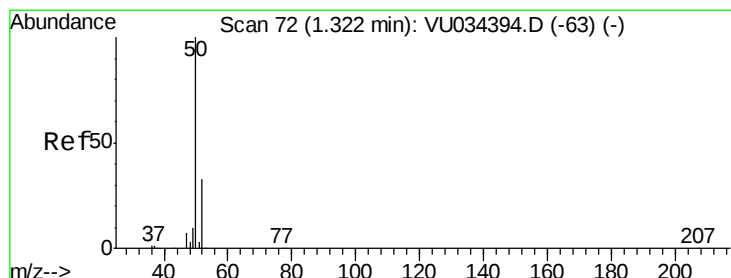
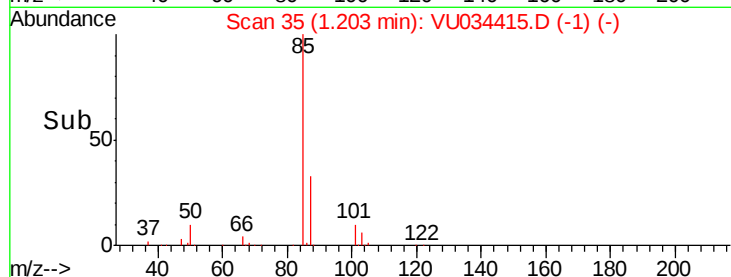
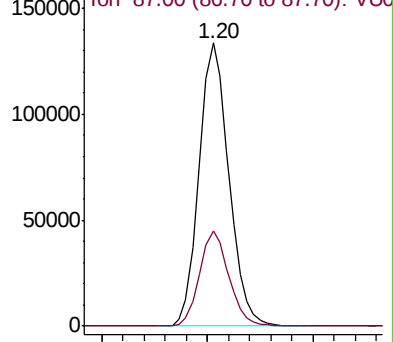
Ion Ratio Lower Upper

85 100

87 33.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU034415.D (-1) (-)



#3

Chloromethane

Concen: 5.418 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034415.D

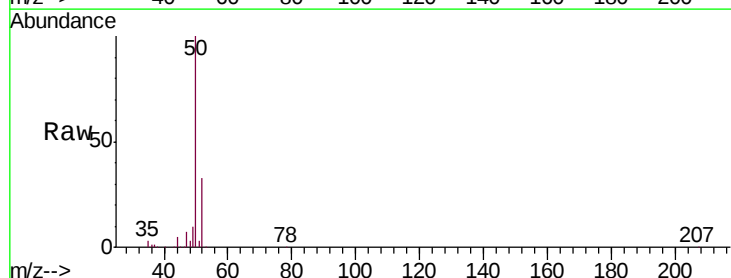
Acq: 08 Sep 2019 06:18

Tgt Ion: 50 Resp: 131553

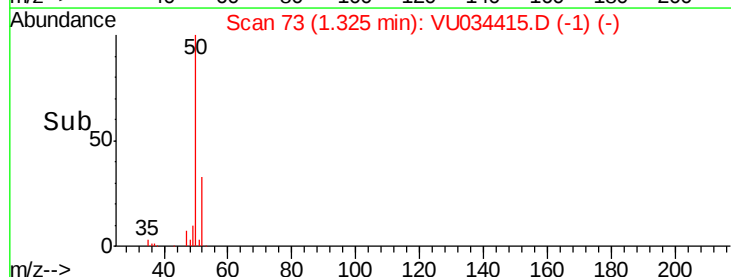
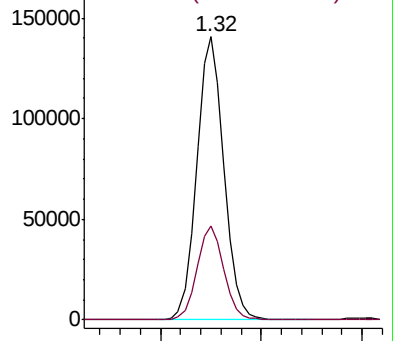
Ion Ratio Lower Upper

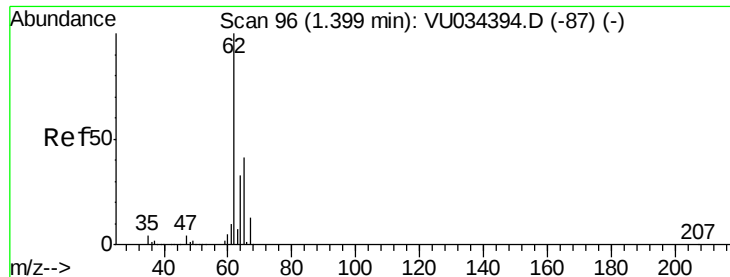
50 100

52 33.1 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU034415.D (-1) (-)





#5

Vinyl chloride

Concen: 5.462 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

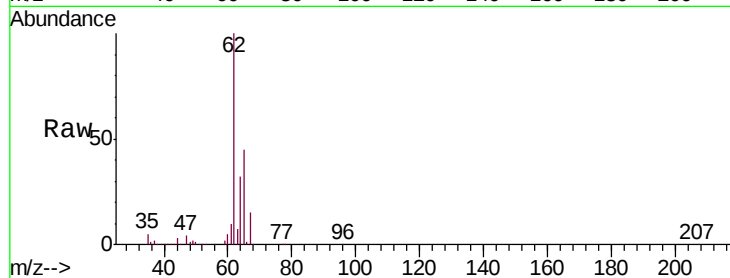
VSTD00519

Tgt Ion: 62 Resp: 137616

Ion Ratio Lower Upper

62 100

64 32.5 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU034394.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU034394.D (-87) (-)

1.40

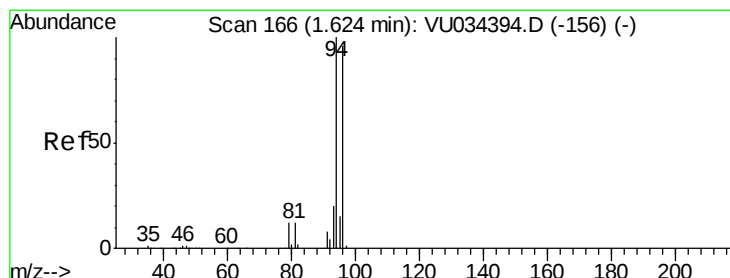
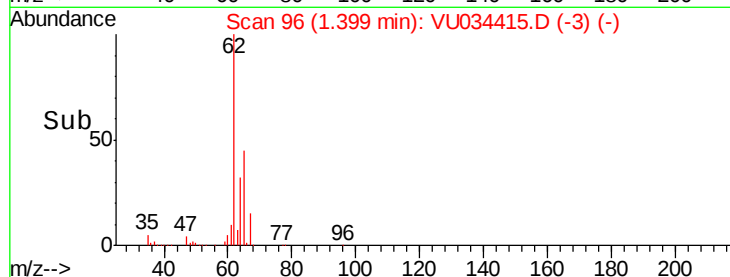
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.737 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU034415.D

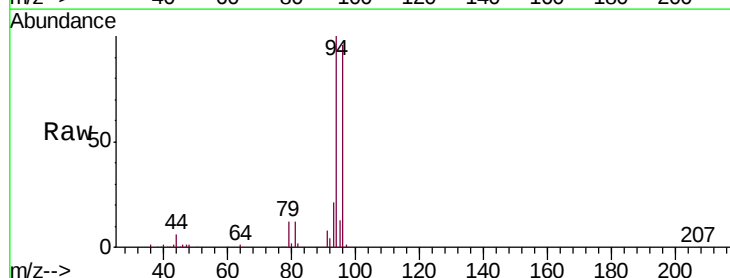
Acq: 08 Sep 2019 06:18

Tgt Ion: 94 Resp: 67948

Ion Ratio Lower Upper

94 100

96 95.7 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VU034394.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034394.D (-156) (-)

1.62

60000

50000

40000

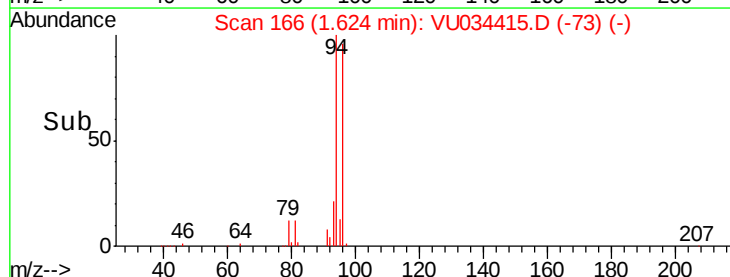
30000

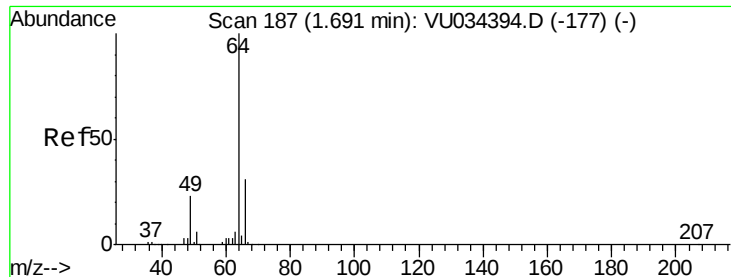
20000

10000

0

Time-->





#8

Chloroethane

Concen: 5.391 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

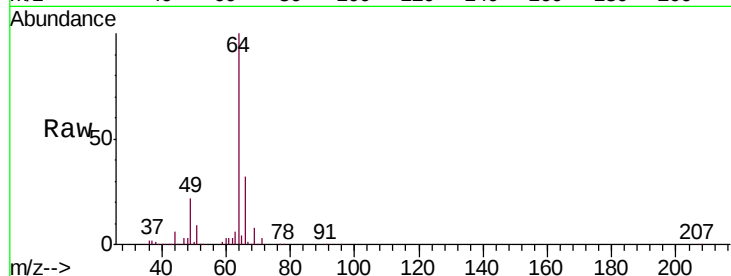
VSTD00519

Tgt Ion: 64 Resp: 77966

Ion Ratio Lower Upper

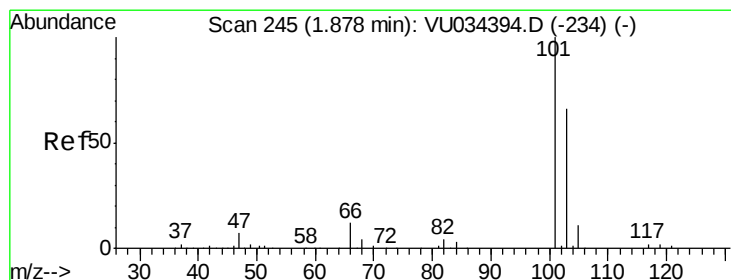
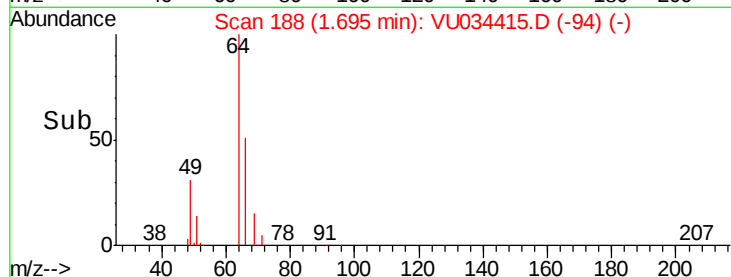
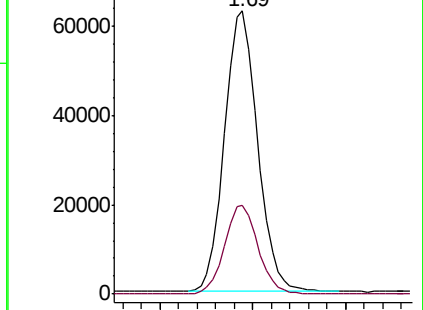
64 100

66 31.5 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU034415.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034415.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.716 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU034415.D

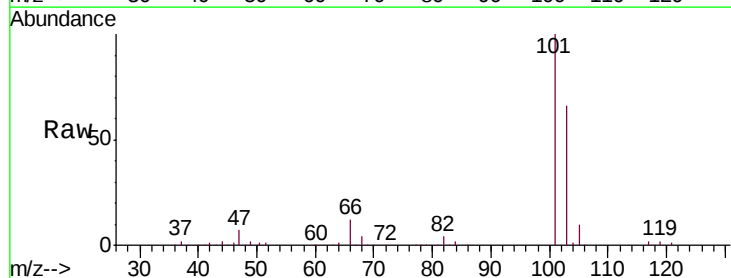
Acq: 08 Sep 2019 06:18

Tgt Ion: 101 Resp: 160897

Ion Ratio Lower Upper

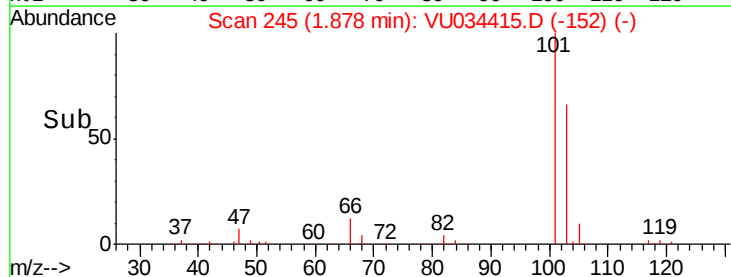
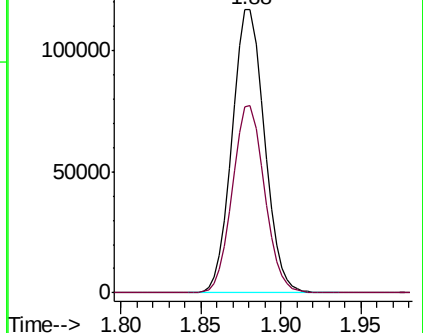
101 100

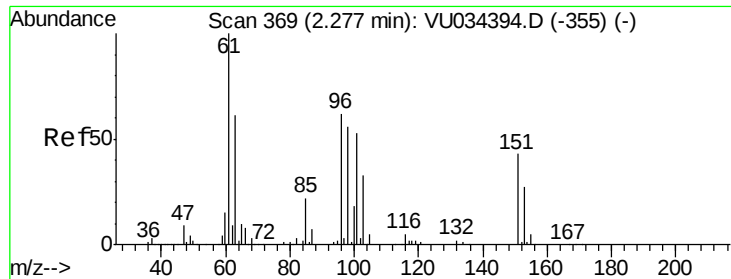
103 65.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VU034415.D (-152) (-)

Ion 103.00 (102.70 to 103.70): VU034415.D (-152) (-)





#10

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

Concen: 5.664 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

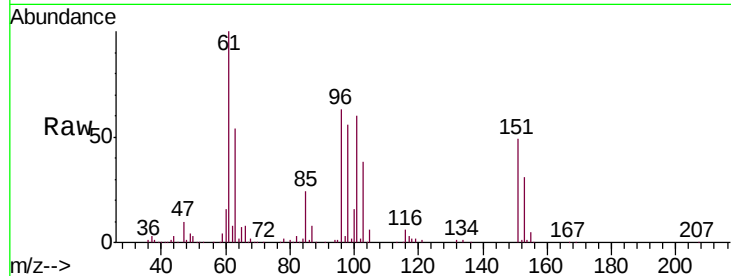
Tgt Ion: 101 Resp: 91735

Ion Ratio Lower Upper

101 100

85 42.0 35.0 52.4

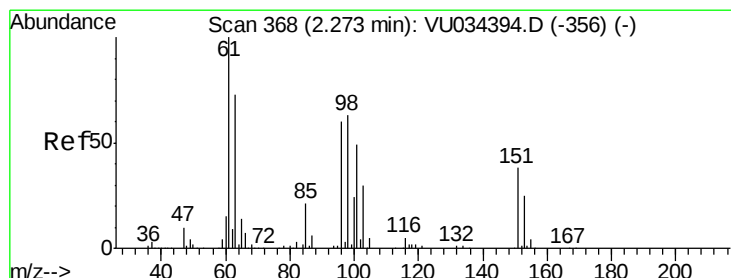
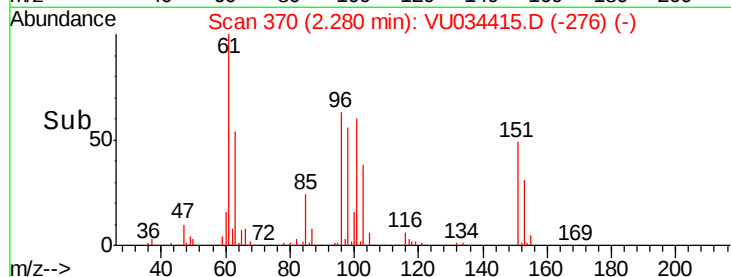
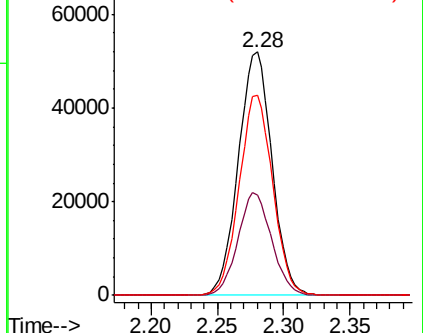
151 81.9 62.0 93.0



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: 5.861 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

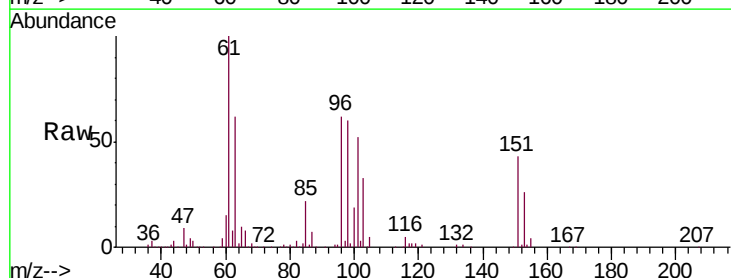
Tgt Ion: 96 Resp: 93537

Ion Ratio Lower Upper

96 100

61 161.9 126.6 235.0

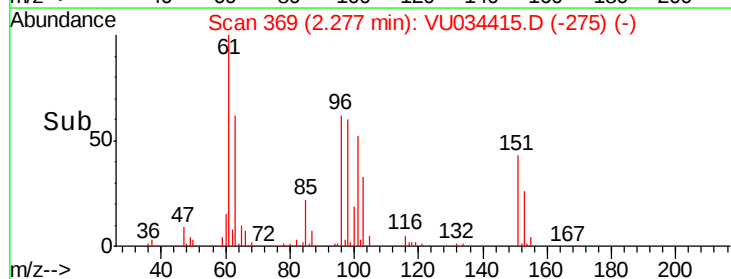
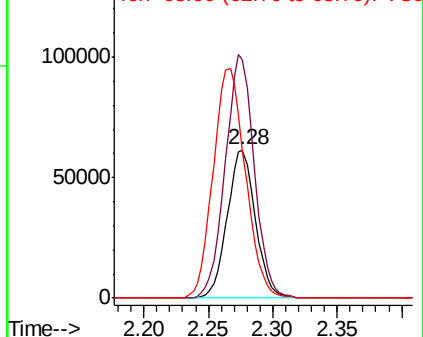
63 100.3 94.5 175.5

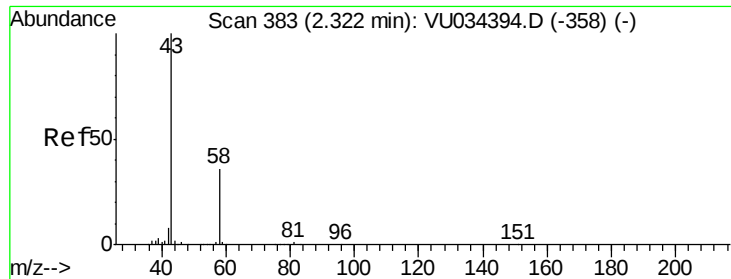


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.968 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

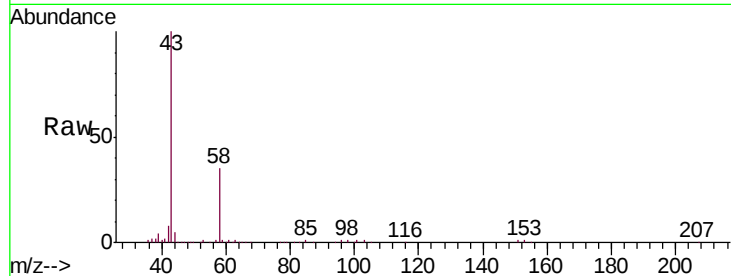
VSTD00519

Tgt Ion: 43 Resp: 141580

Ion Ratio Lower Upper

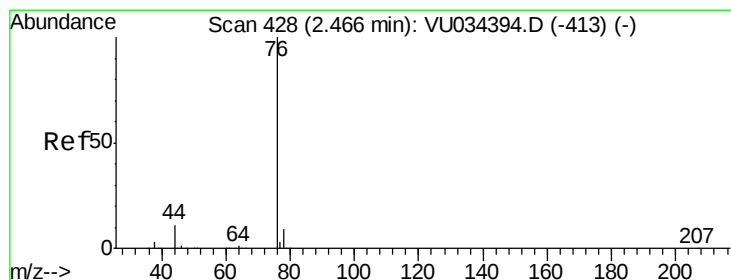
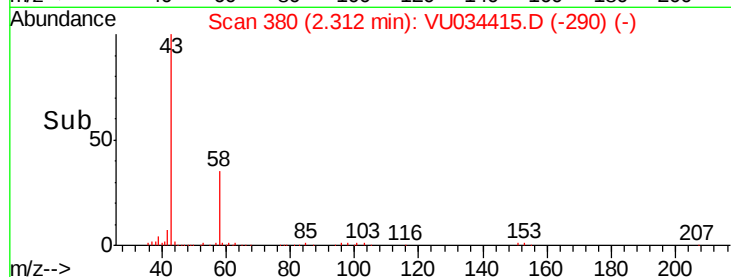
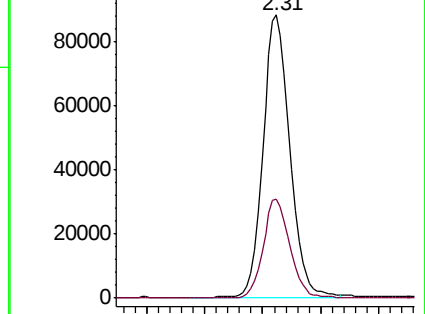
43 100

58 35.4 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034415.D (-290) (-)

Ion 58.05 (57.75 to 58.75): VU034415.D (-290) (-)



#14

Carbon disulfide

Concen: 5.372 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU034415.D

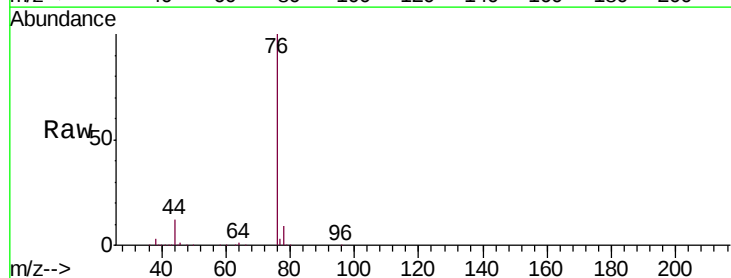
Acq: 08 Sep 2019 06:18

Tgt Ion: 76 Resp: 292611

Ion Ratio Lower Upper

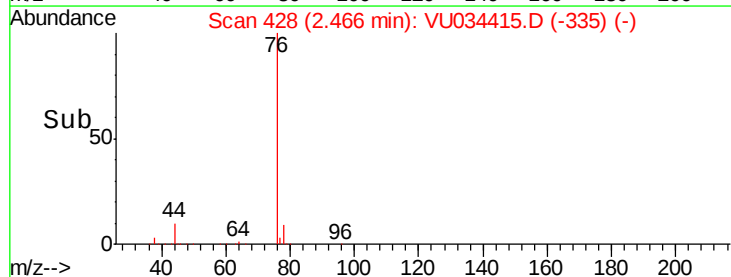
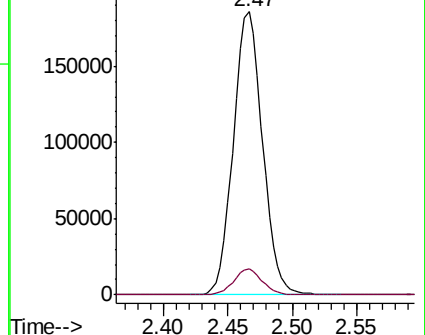
76 100

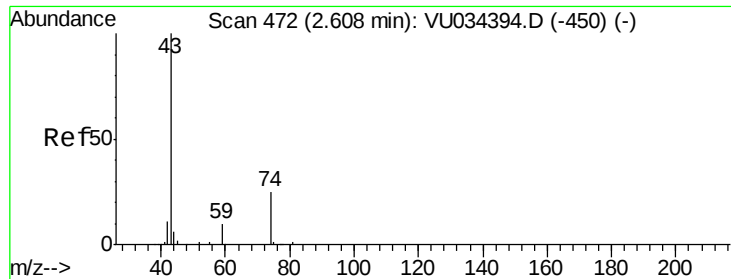
78 9.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU034415.D (-335) (-)

Ion 78.00 (77.70 to 78.70): VU034415.D (-335) (-)





#15

Methyl Acetate

Concen: 5.476 ug/L

RT: 2.60 min Scan# 471

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

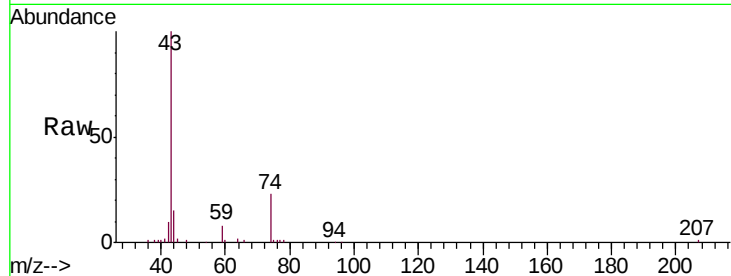
VSTD00519

Tgt Ion: 43 Resp: 41063

Ion Ratio Lower Upper

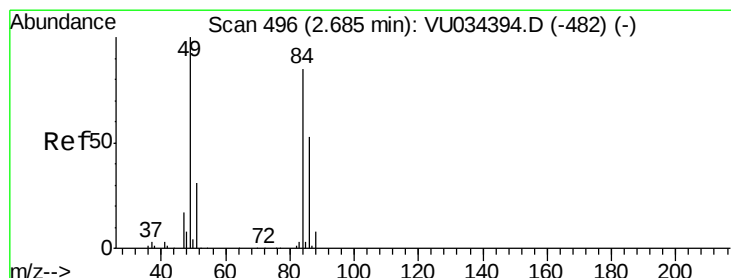
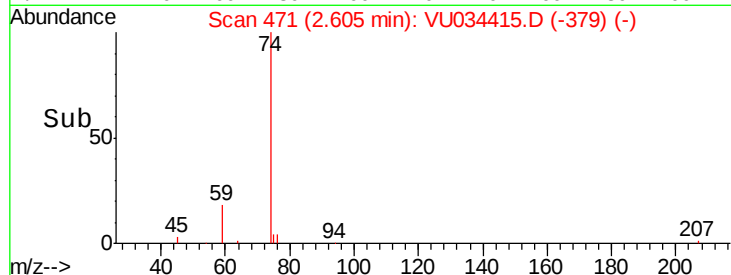
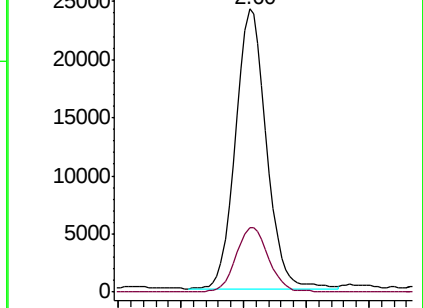
43 100

74 24.5 18.4 27.6



Abundance Ion 43.05 (42.75 to 43.75): VU034394.D (-450) (-)

Ion 74.05 (73.75 to 74.75): VU034394.D (-450) (-)



#16

Methylene chloride

Concen: 5.490 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

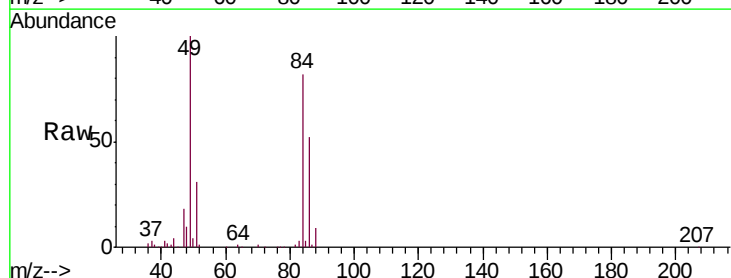
Tgt Ion: 84 Resp: 99471

Ion Ratio Lower Upper

84 100

86 63.1 44.4 82.5

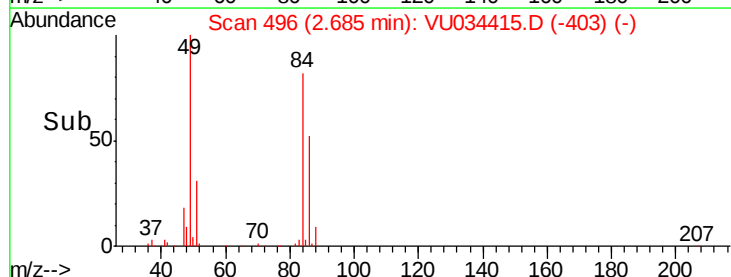
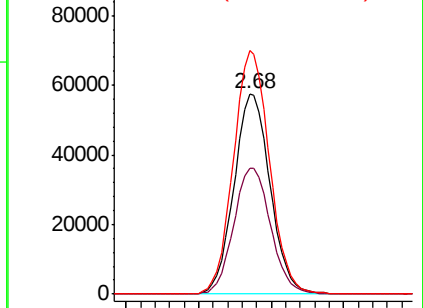
49 121.4 90.2 167.4

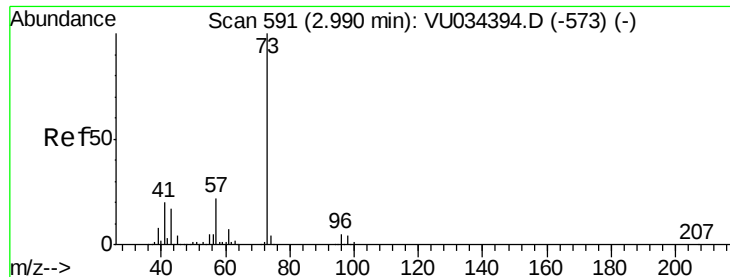


Abundance Ion 84.05 (83.75 to 84.75): VU034394.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU034394.D (-482) (-)

Ion 49.10 (48.80 to 49.80): VU034394.D (-482) (-)





#17

Methyl tert-butyl Ether

Concen: 5.665 ug/L

RT: 2.99 min Scan# 590

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

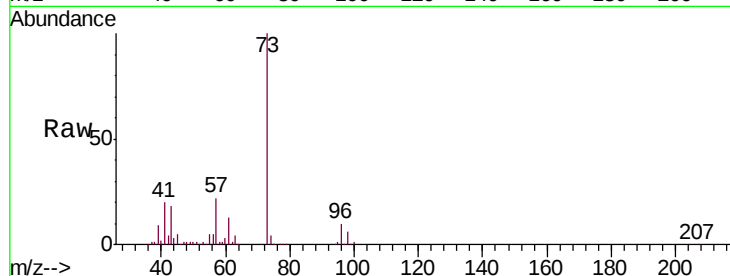
Tgt Ion: 73 Resp: 224973

Ion Ratio Lower Upper

73 100

43 18.2 14.7 22.1

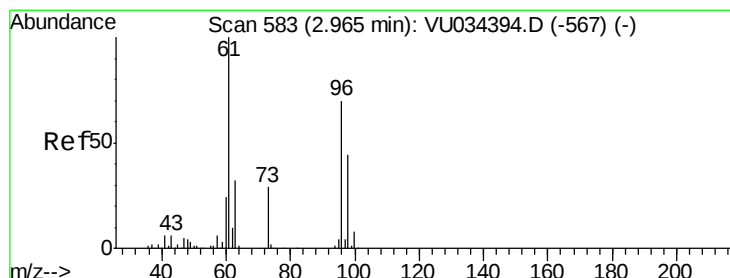
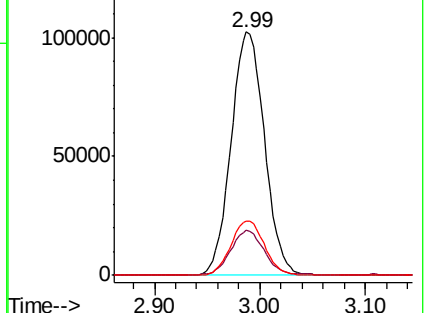
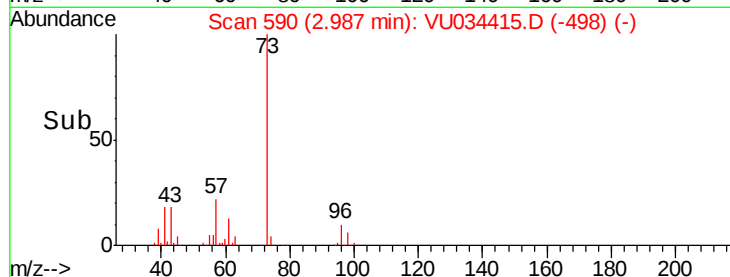
57 22.5 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU034415.D (-498) (-)

Ion 43.05 (42.75 to 43.75): VU034415.D (-498) (-)

Ion 57.10 (56.80 to 57.80): VU034415.D (-498) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.734 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

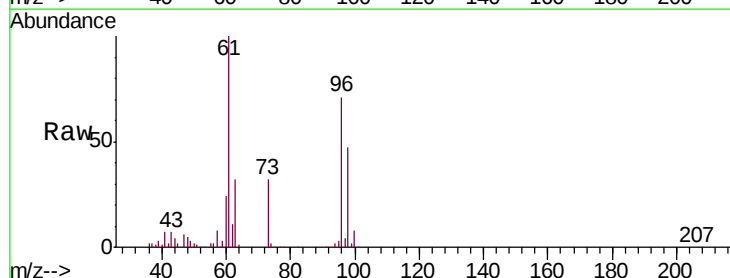
Tgt Ion: 96 Resp: 98967

Ion Ratio Lower Upper

96 100

61 139.9 103.5 192.3

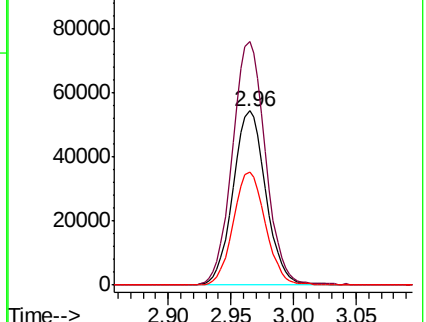
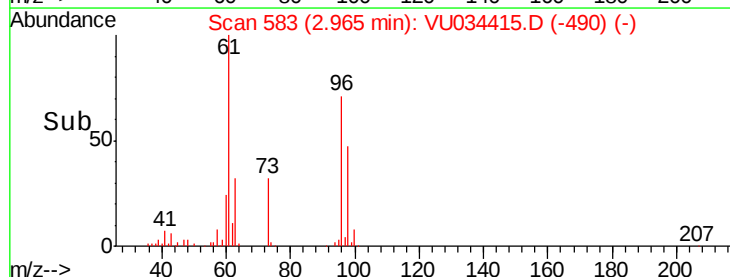
98 65.2 44.9 83.3

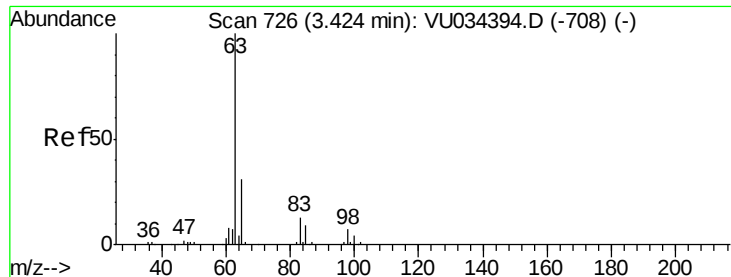


Abundance Ion 96.00 (95.70 to 96.70): VU034415.D (-490) (-)

Ion 61.05 (60.75 to 61.75): VU034415.D (-490) (-)

Ion 97.95 (97.65 to 98.65): VU034415.D (-490) (-)

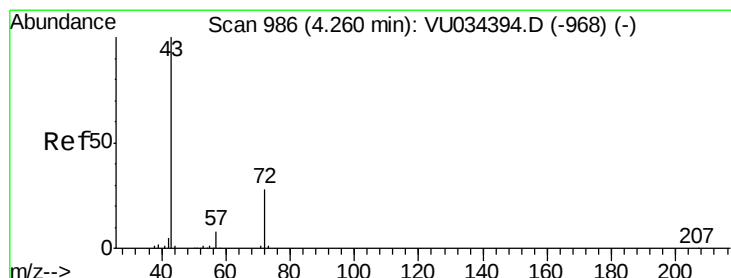
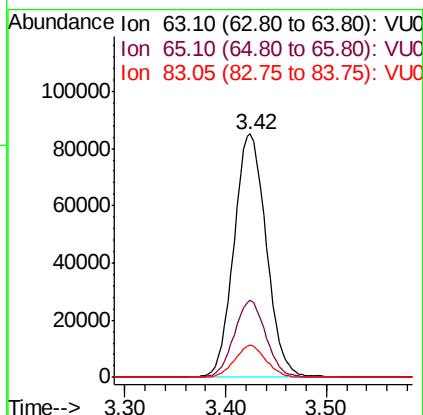
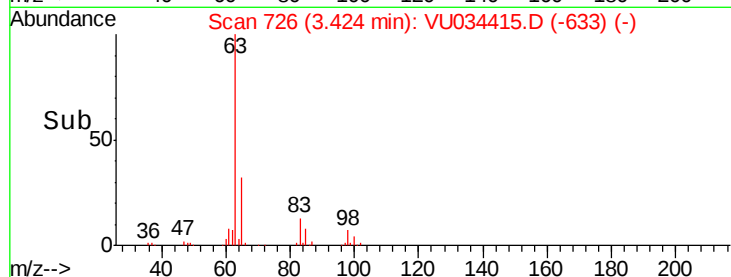
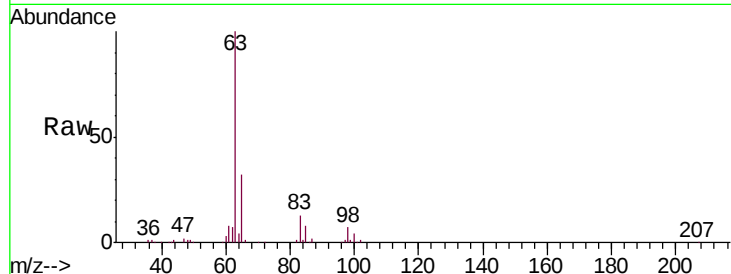




#19
 1,1-Dichloroethane
 Concen: 5.562 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

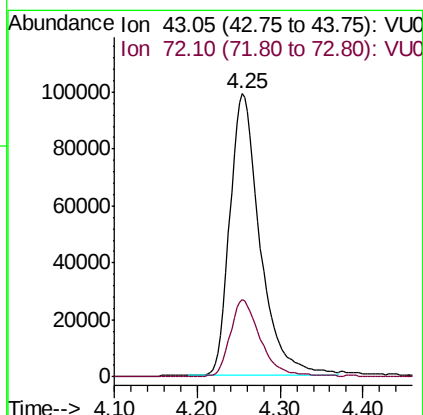
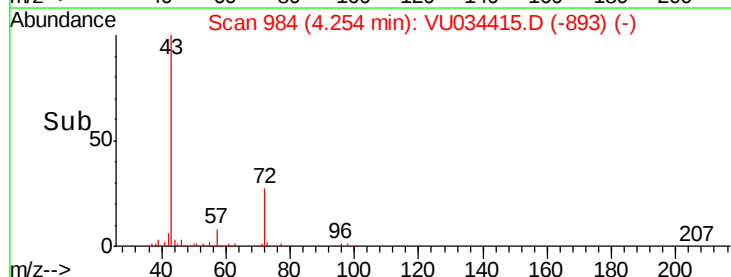
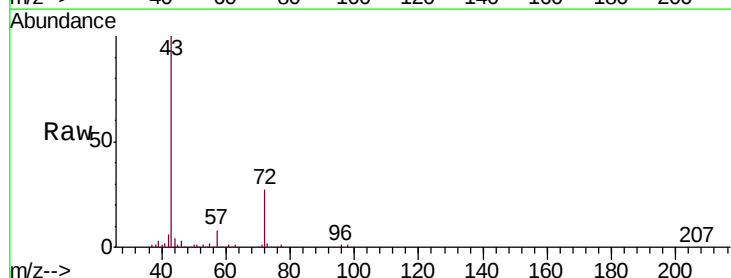
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

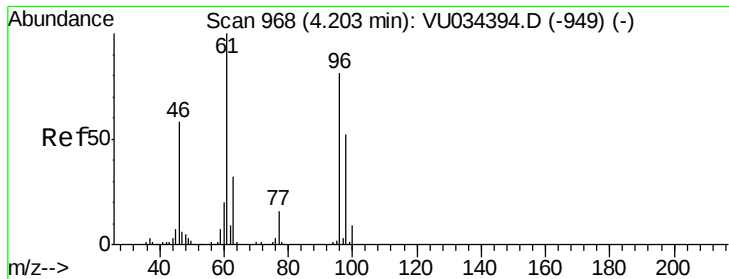
Tgt Ion: 63 Resp: 189287
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.9
 83 13.4 9.1 16.9



#21
 2-Butanone
 Concen: 56.520 ug/L
 RT: 4.25 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion: 43 Resp: 251706
 Ion Ratio Lower Upper
 43 100
 72 28.0 13.3 39.8



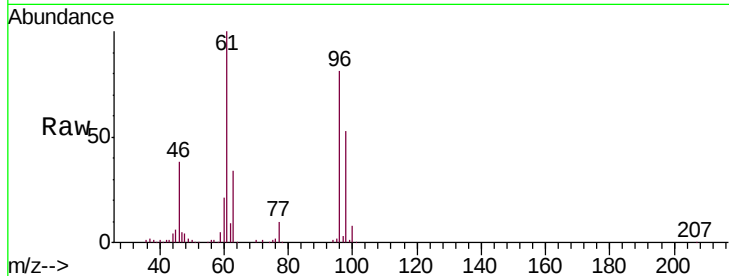


#22

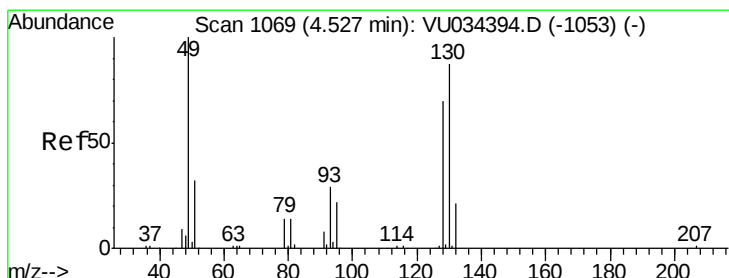
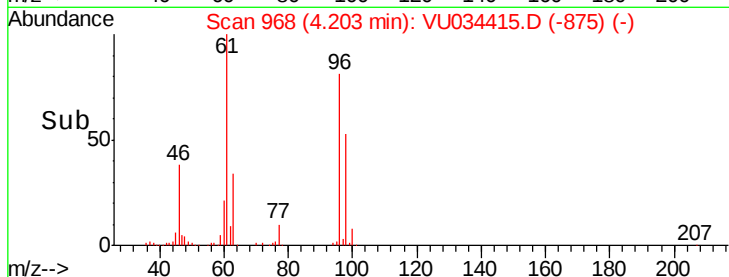
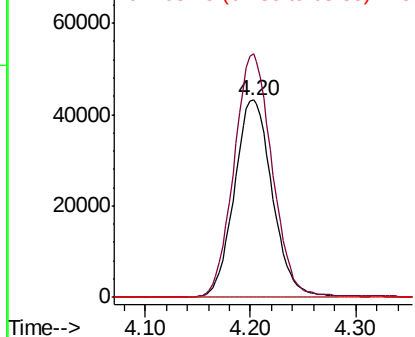
cis-1,2-Dichloroethene
 Concen: 5.566 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion: 96 Resp: 108026
 Ion Ratio Lower Upper
 96 100
 61 123.4 93.6 173.8
 68 0.0 0.0 0.0



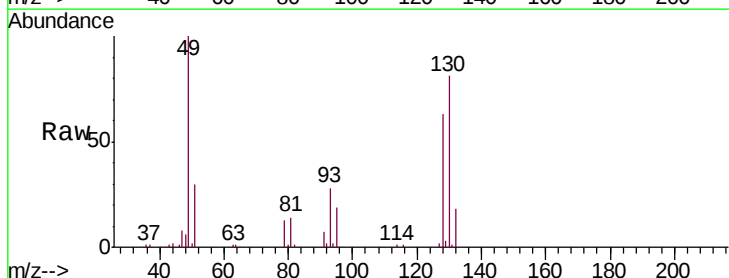
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



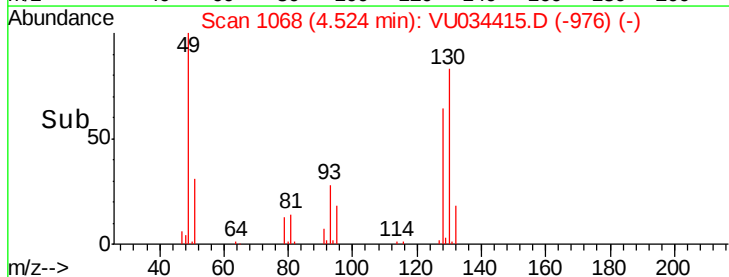
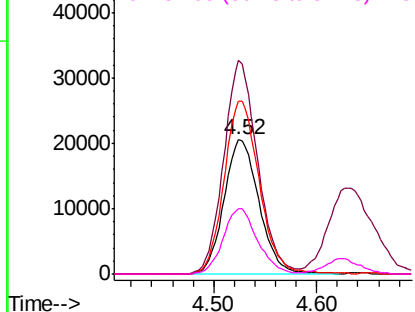
#23

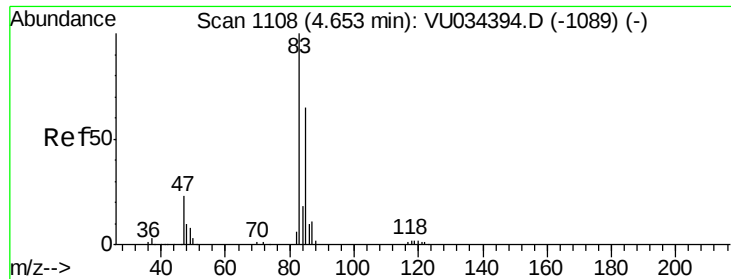
Bromochloromethane
 Concen: 5.841 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion: 128 Resp: 48678
 Ion Ratio Lower Upper
 128 100
 49 159.3 110.8 205.8
 130 129.1 90.8 168.6
 51 48.5 41.1 61.7



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0





#25

Chloroform

Concen: 5.513 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

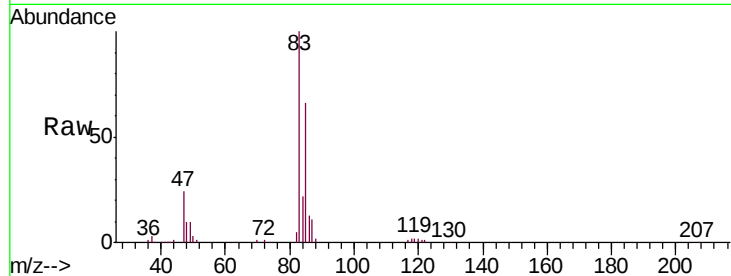
VSTD00519

Tgt Ion: 83 Resp: 191009

Ion Ratio Lower Upper

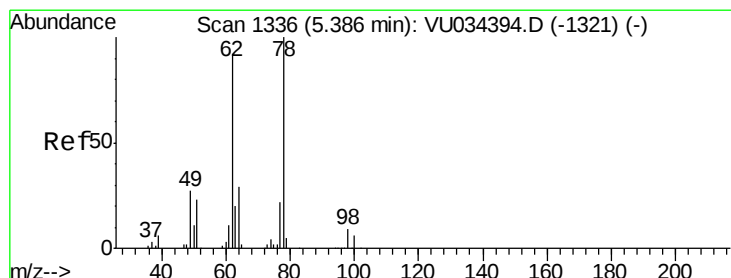
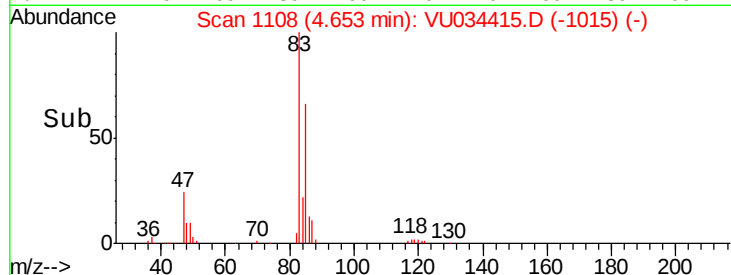
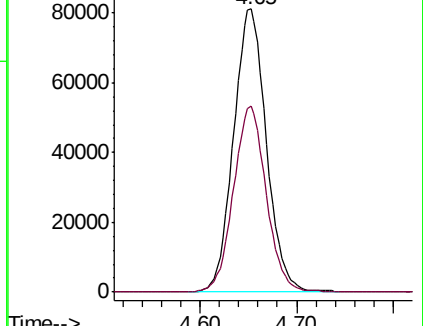
83 100

85 65.7 46.8 86.8



Abundance Ion 83.05 (82.75 to 83.75): VU034415.D (-1015) (-)

Ion 85.00 (84.70 to 85.70): VU034415.D (-1015) (-)



#27

1,2-Dichloroethane

Concen: 5.511 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU034415.D

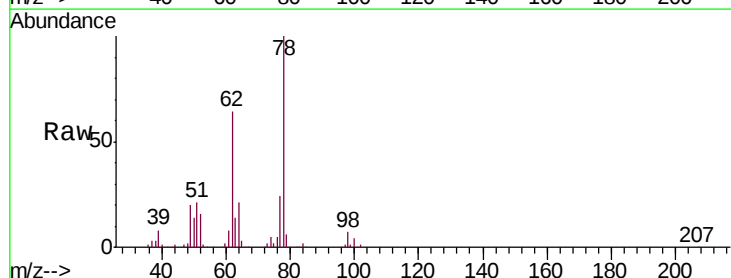
Acq: 08 Sep 2019 06:18

Tgt Ion: 62 Resp: 105391

Ion Ratio Lower Upper

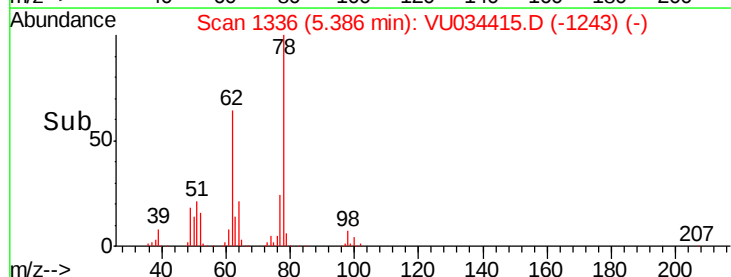
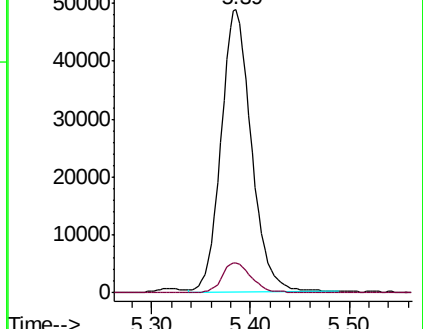
62 100

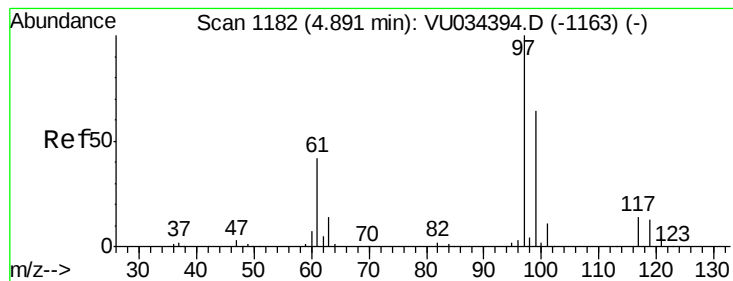
98 10.4 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU034415.D (-1243) (-)

Ion 98.05 (97.75 to 98.75): VU034415.D (-1243) (-)





#29

1,1,1-Trichloroethane

Concen: 5.287 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

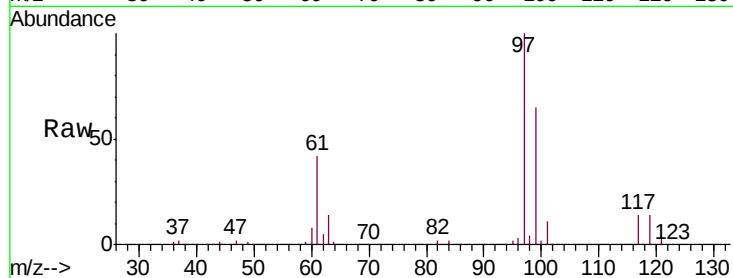
Tgt Ion: 97 Resp: 151728

Ion Ratio Lower Upper

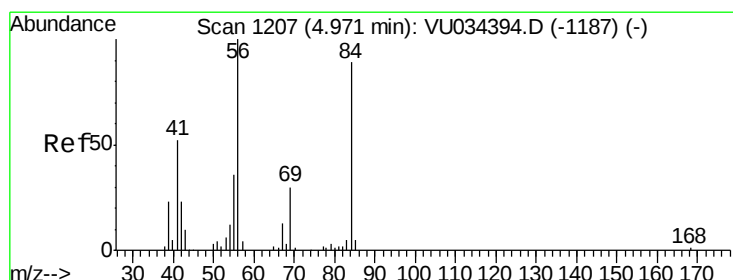
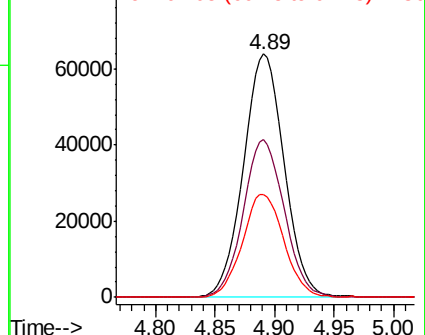
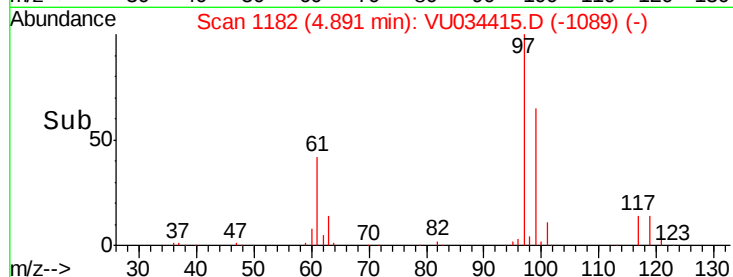
97 100

99 65.1 52.1 78.1

61 43.1 35.4 53.2



Abundance Ion 96.95 (96.65 to 97.65): VU034415.D (-1089) (-)



#30

Cyclohexane

Concen: 4.471 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

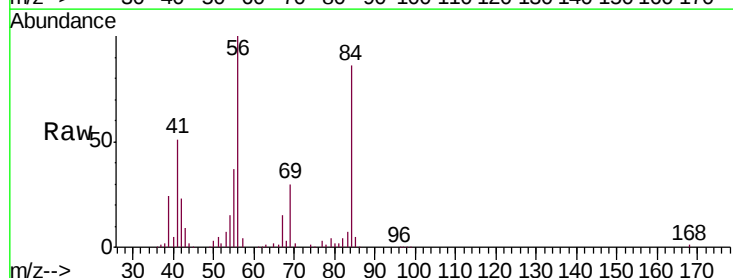
Tgt Ion: 56 Resp: 151770

Ion Ratio Lower Upper

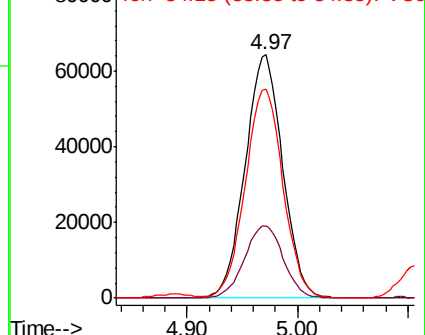
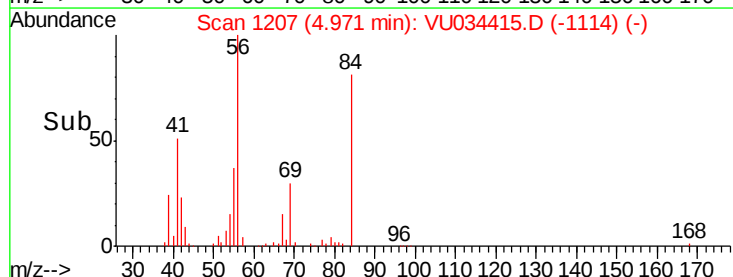
56 100

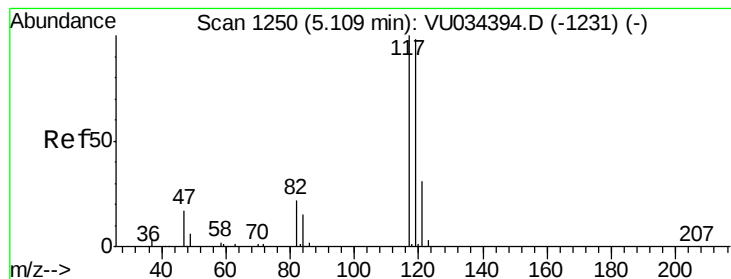
69 30.8 24.2 36.4

84 86.6 67.0 100.4



Abundance Ion 56.10 (55.80 to 56.80): VU034415.D (-1114) (-)





#31

Carbon tetrachloride

Concen: 5.384 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

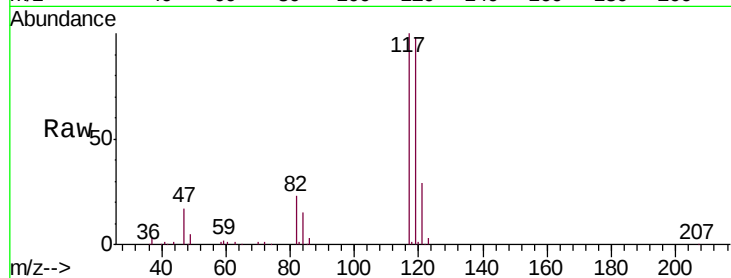
VSTD00519

Tgt Ion:117 Resp: 136642

Ion Ratio Lower Upper

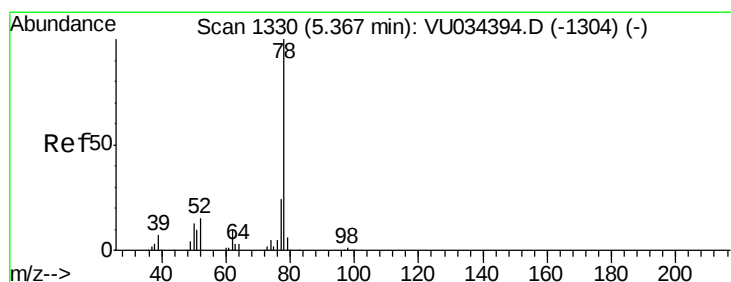
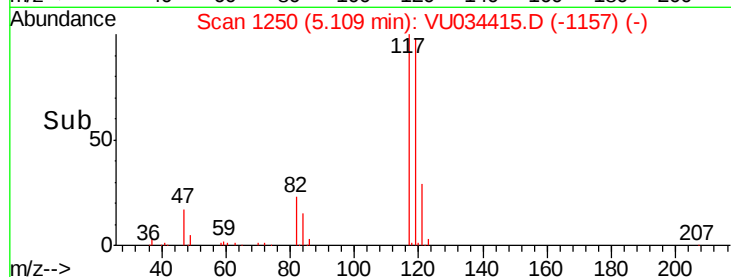
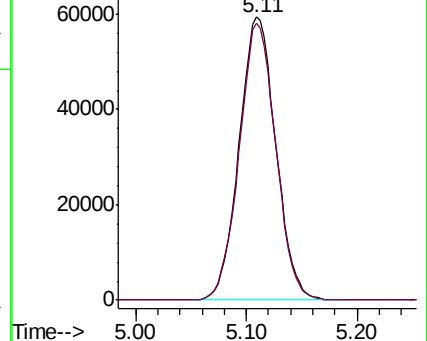
117 100

119 97.3 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.150 ug/L

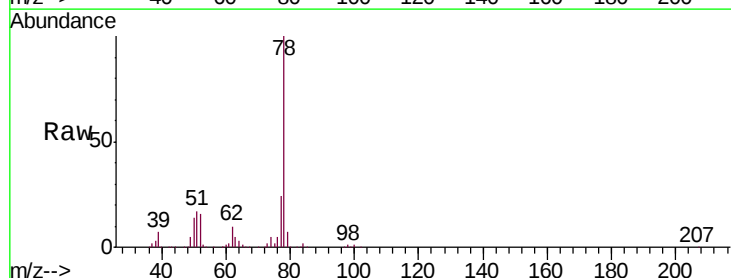
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

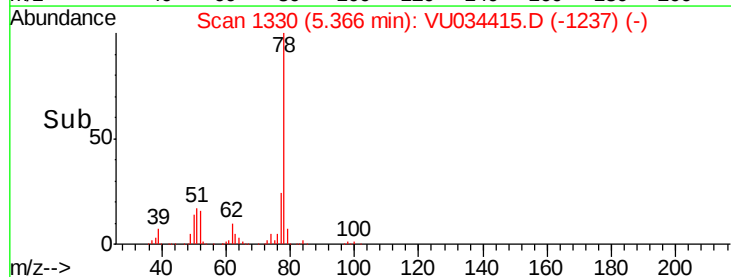
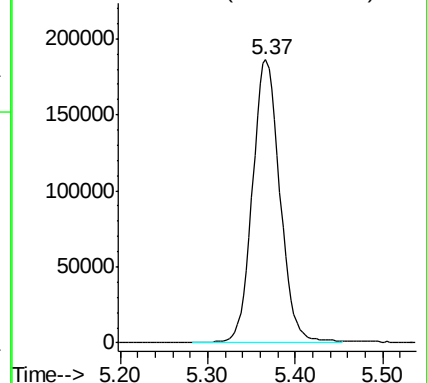
Lab File: VU034415.D

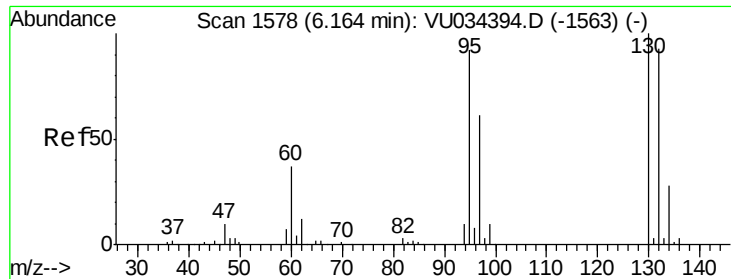
Acq: 08 Sep 2019 06:18

Tgt Ion: 78 Resp: 407691



Abundance Ion 78.10 (77.80 to 78.80): VU0

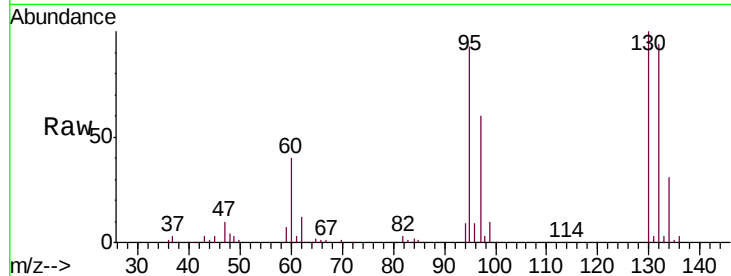




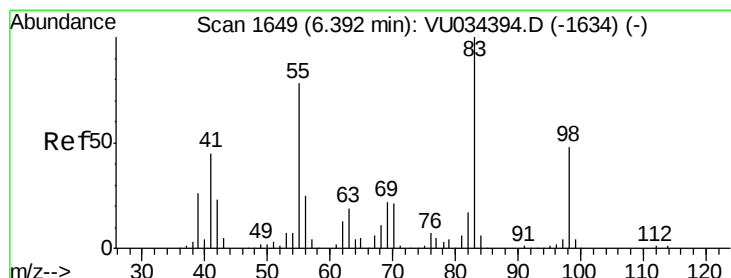
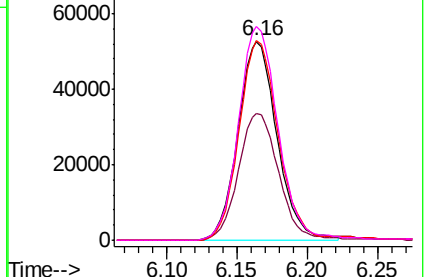
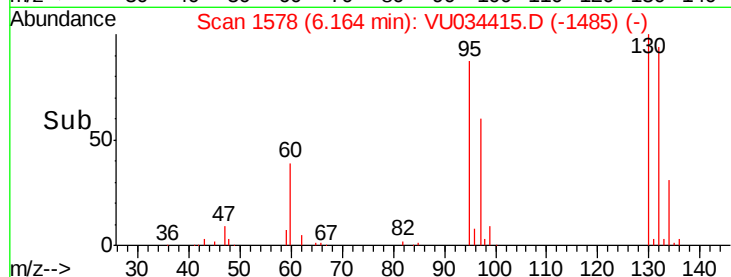
#34
 Trichloroethene
 Concen: 5.002 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion: 95 Resp: 102038
 Ion Ratio Lower Upper
 95 100
 97 64.0 43.3 80.5
 132 100.6 68.6 127.4
 130 107.4 70.5 130.9

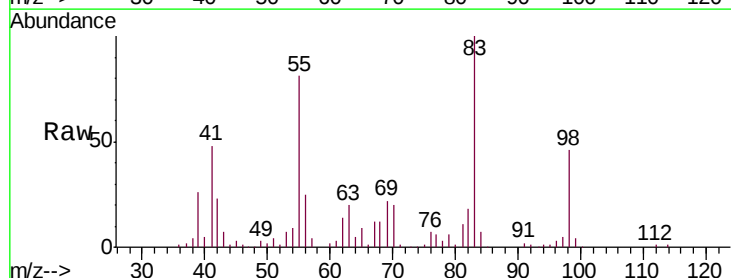


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

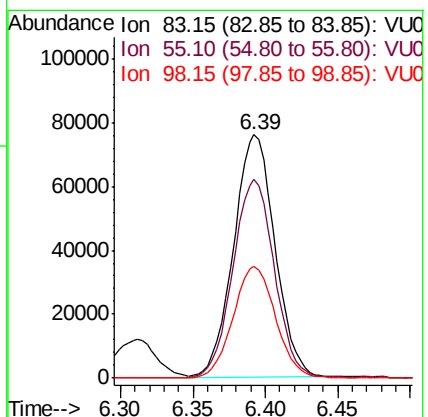
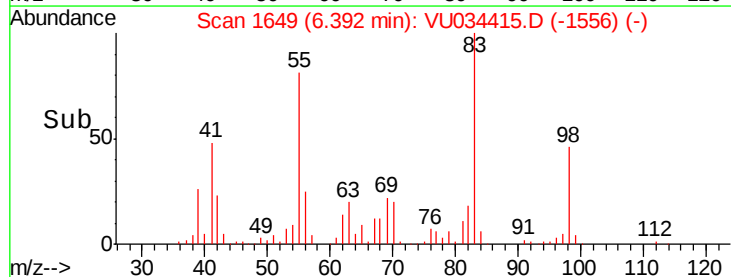


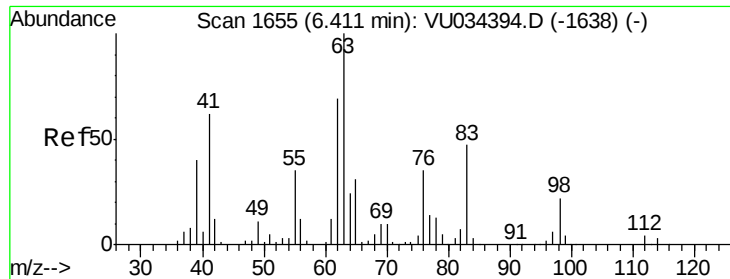
#35
 Methylcyclohexane
 Concen: 4.462 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion: 83 Resp: 150871
 Ion Ratio Lower Upper
 83 100
 55 82.3 62.6 94.0
 98 47.2 36.2 54.2



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

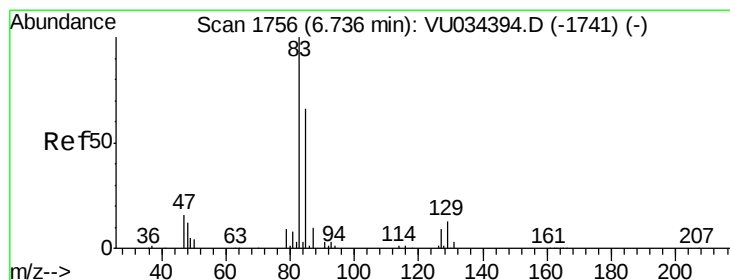
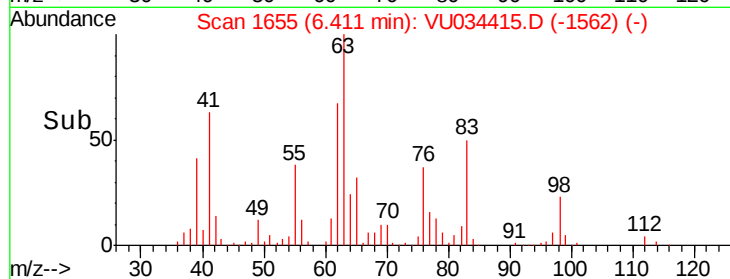
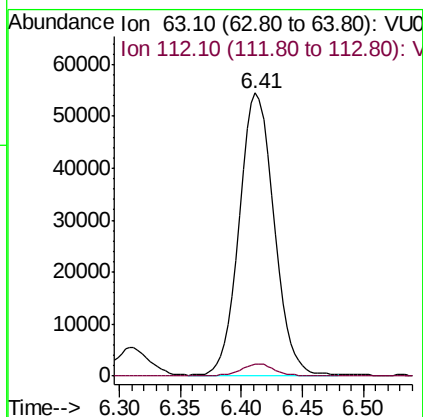
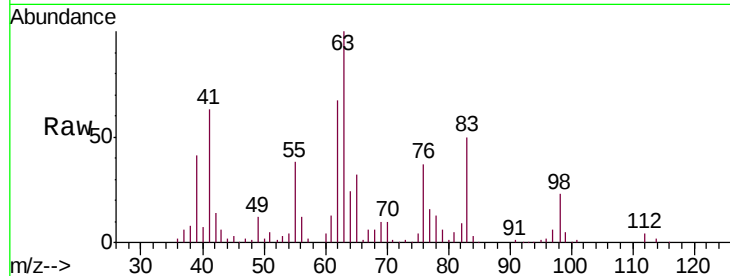




#37
 1,2-Dichloropropane
 Concen: 5.239 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

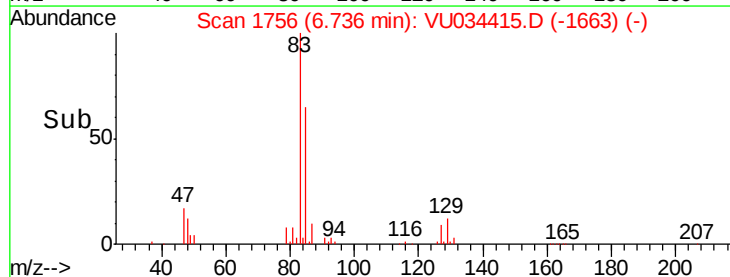
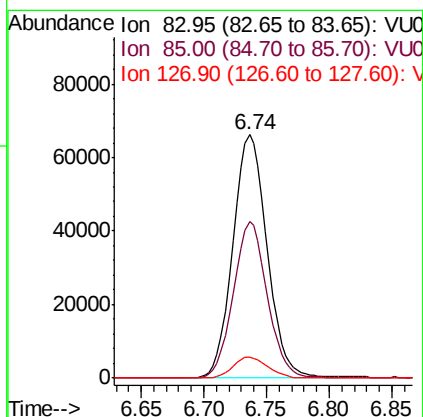
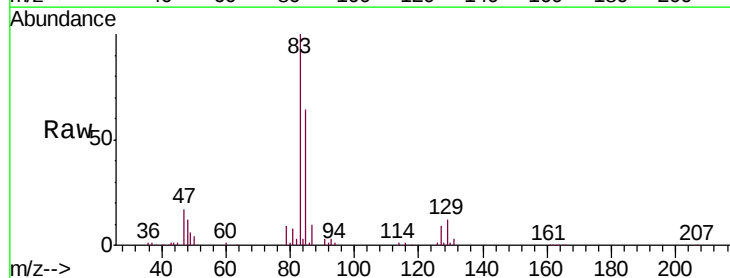
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

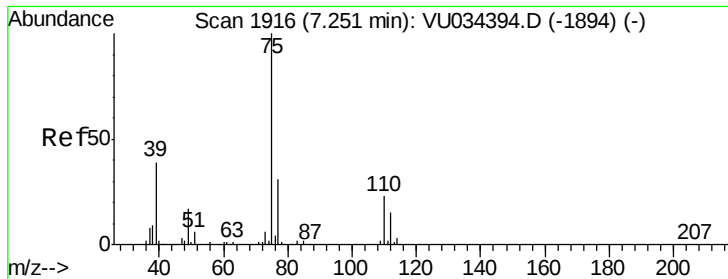
Tgt Ion: 63 Resp: 106840
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.3 4.9



#38
 Bromodichloromethane
 Concen: 5.291 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion: 83 Resp: 125685
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.0 81.8
 127 8.6 6.9 10.3

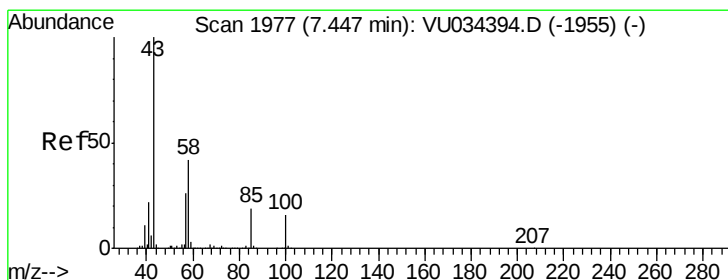
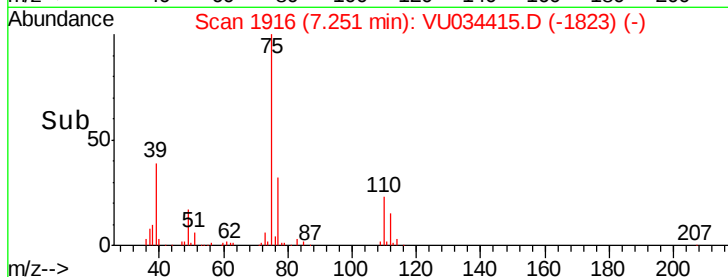
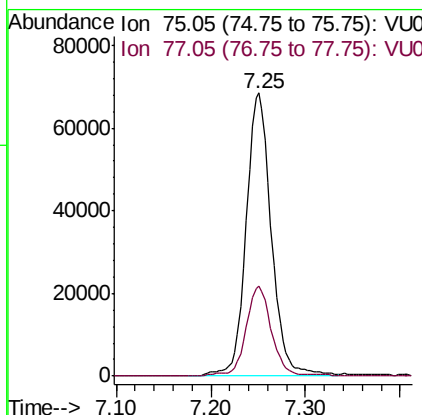
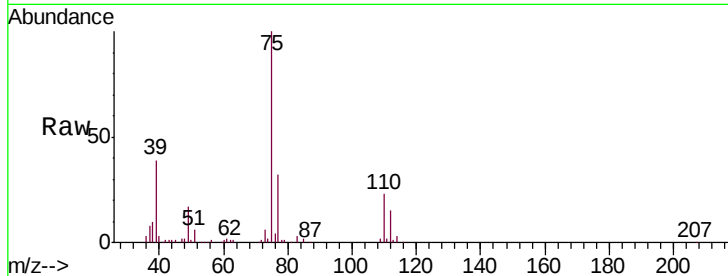




#39
 cis-1,3-Dichloropropene
 Concen: 4.471 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

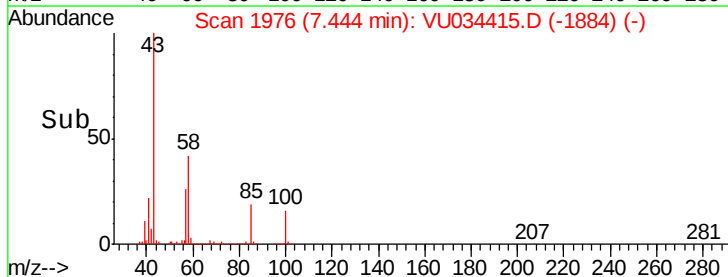
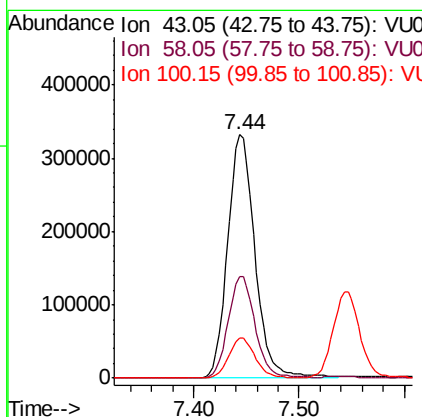
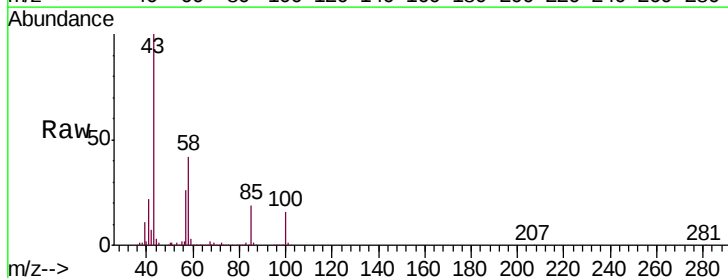
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

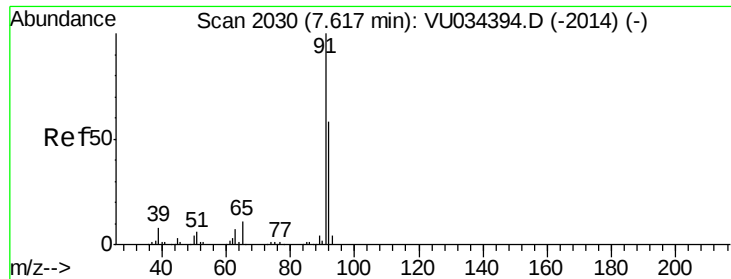
Tgt Ion: 75 Resp: 127137
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.2 43.2



#40
 4-Methyl-2-pentanone
 Concen: 52.450 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion: 43 Resp: 593487
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.4 48.6
 100 16.0 12.2 18.2





#42

Toluene

Concen: 5.318 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

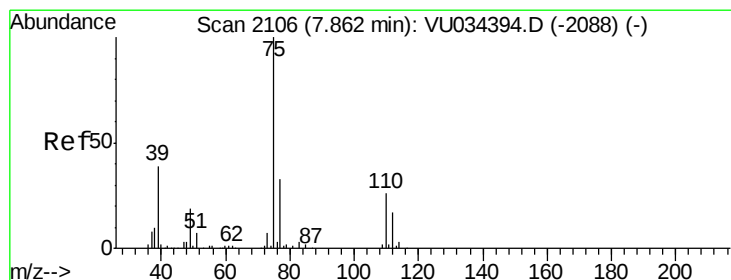
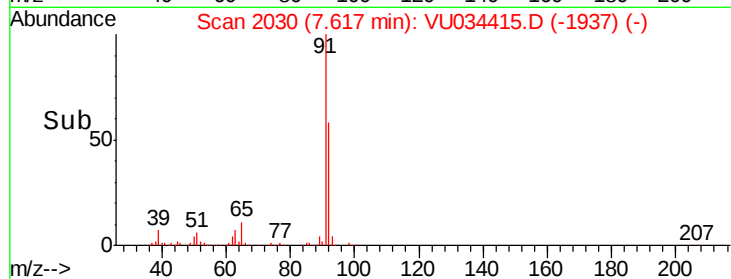
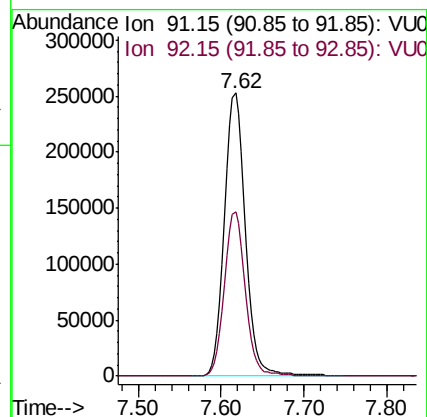
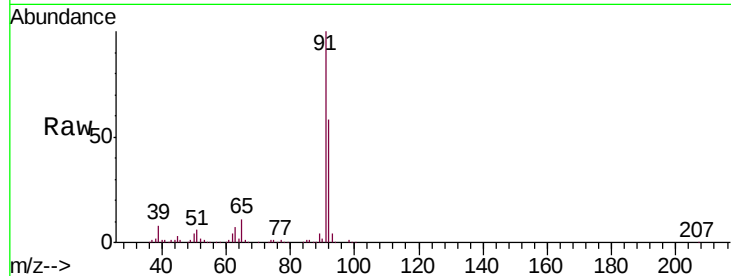
VSTD00519

Tgt Ion: 91 Resp: 444228

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 4.725 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034415.D

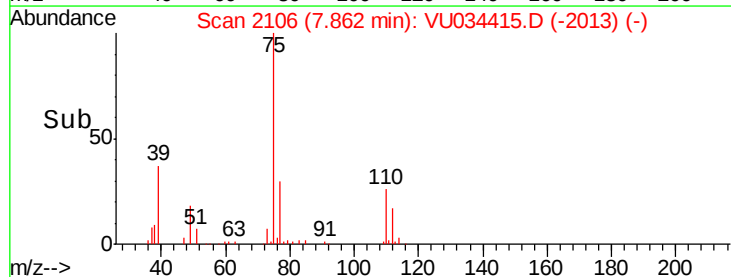
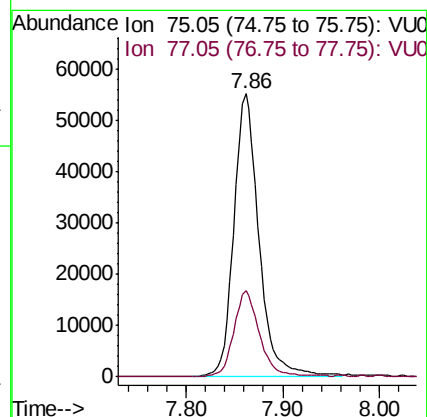
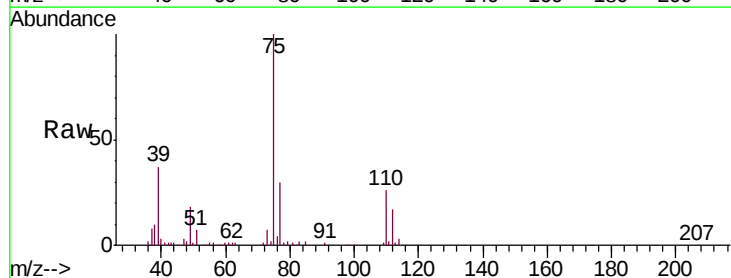
Acq: 08 Sep 2019 06:18

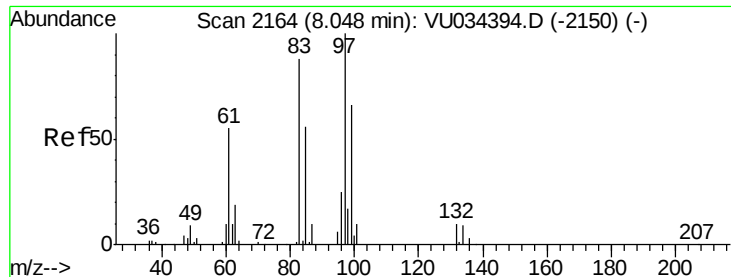
Tgt Ion: 75 Resp: 99853

Ion Ratio Lower Upper

75 100

77 30.3 22.7 42.3

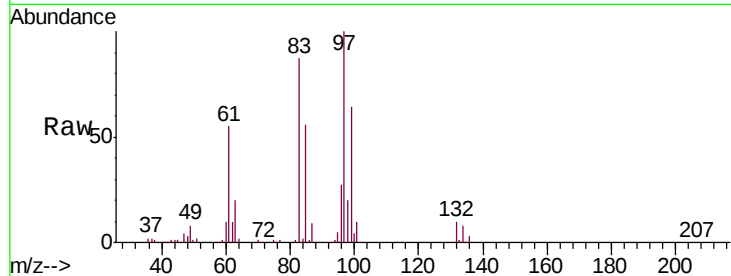




#45
 1,1,2-Trichloroethane
 Concen: 5.553 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion:	97	Resp:	72636
Ion	Ratio	Lower	Upper
97	100		
99	63.9	45.5	84.5
83	86.9	61.5	114.3
85	55.8	40.0	74.2



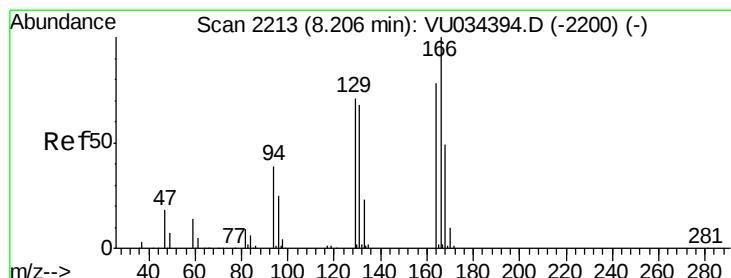
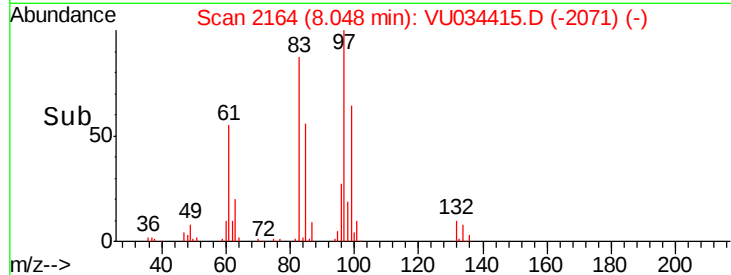
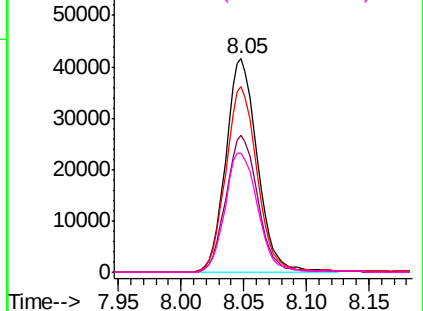
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

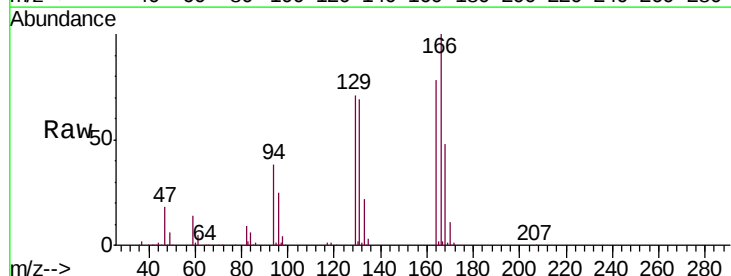
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.358 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion:	164	Resp:	89834
Ion	Ratio	Lower	Upper
164	100		
129	90.4	68.0	126.2
131	88.7	64.6	120.0
166	127.9	92.0	170.8



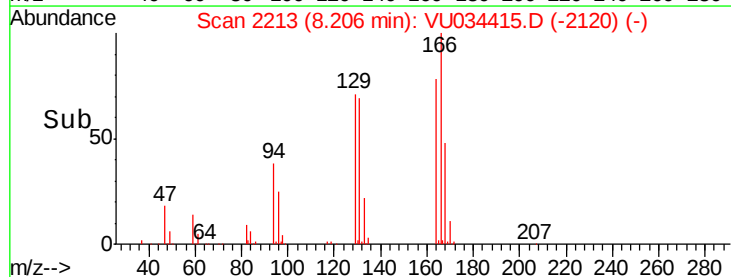
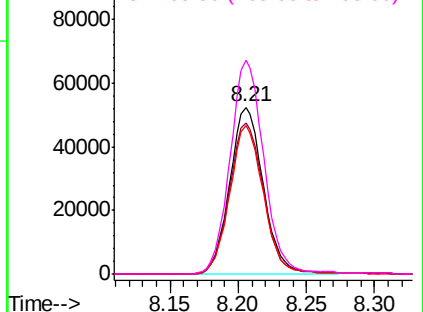
Abundance

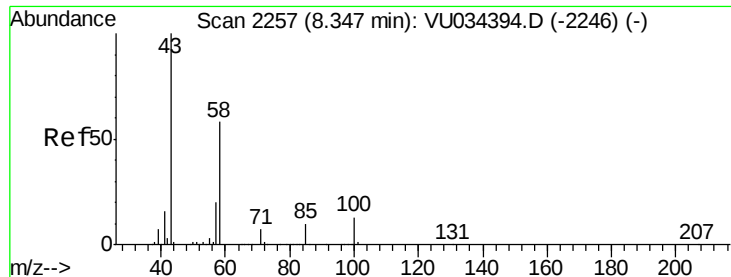
Ion 163.90 (163.60 to 164.60): V

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

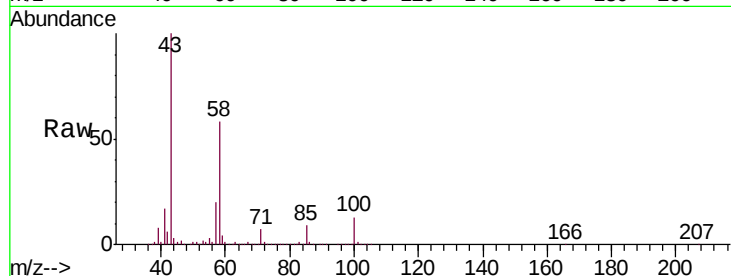




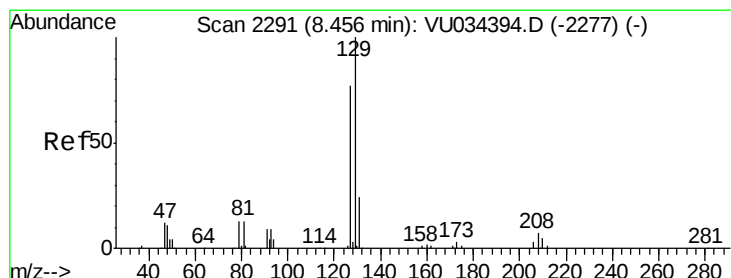
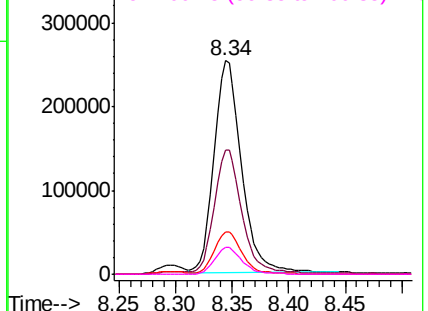
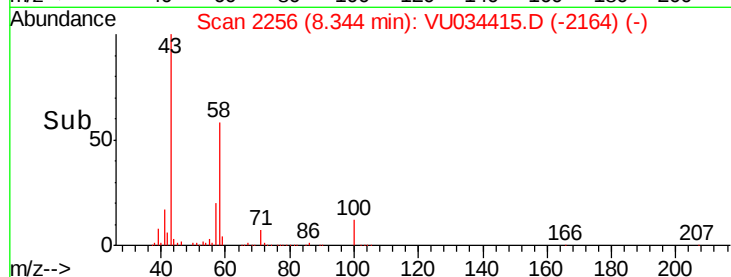
#48
2-Hexanone
Concen: 54.471 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034415.D
Acq: 08 Sep 2019 06:18

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tgt Ion:	43	Resp:	429249
Ion	Ratio	Lower	Upper
43	100		
58	59.4	44.9	67.3
57	20.4	15.0	22.6
100	12.6	9.2	13.8

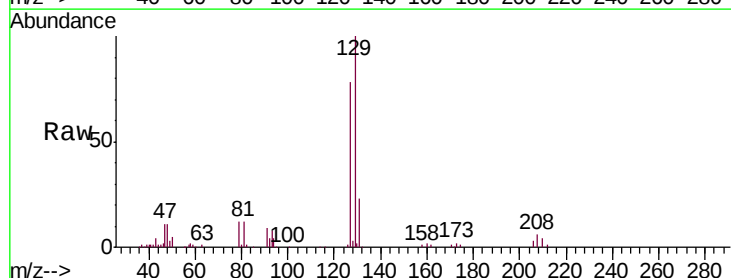


Abundance Ion 43.05 (42.75 to 43.75): VU034415.D (-2164) (-)
Ion 58.05 (57.75 to 58.75): VU034415.D (-2164) (-)
Ion 57.20 (56.90 to 57.90): VU034415.D (-2164) (-)
Ion 100.15 (99.85 to 100.85): VU034415.D (-2164) (-)

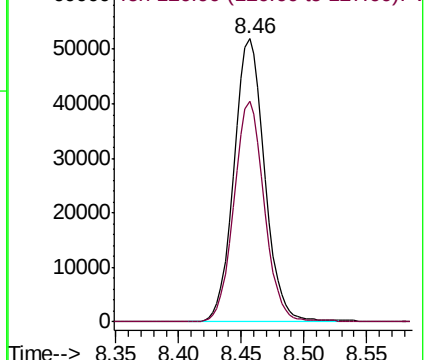
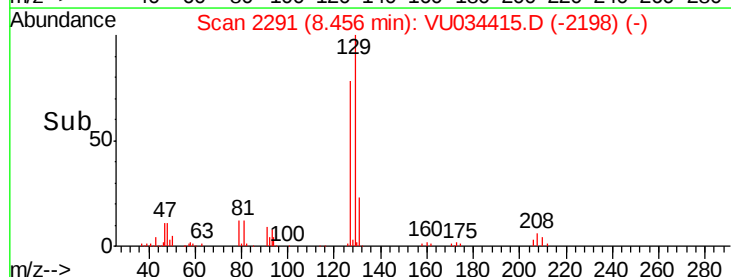


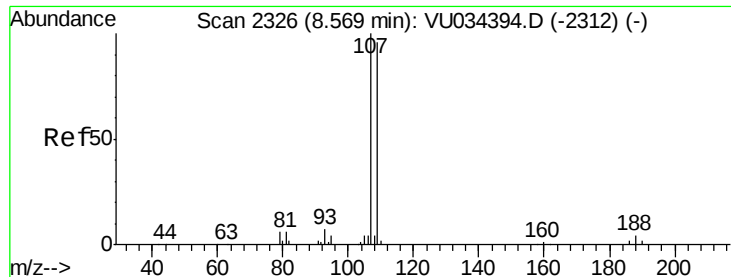
#49
Dibromochloromethane
Concen: 5.726 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034415.D
Acq: 08 Sep 2019 06:18

Tgt Ion:	129	Resp:	88850
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.2	100.6



Abundance Ion 128.95 (128.65 to 129.65): VU034415.D (-2198) (-)
Ion 126.90 (126.60 to 127.60): VU034415.D (-2198) (-)





#50

1,2-Dibromoethane

Concen: 5.424 ug/L

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

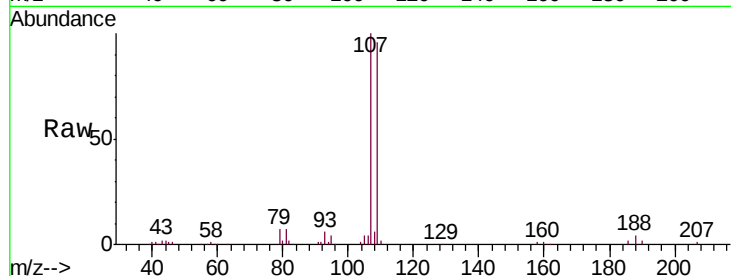
Tgt Ion:107 Resp: 67138

Ion Ratio Lower Upper

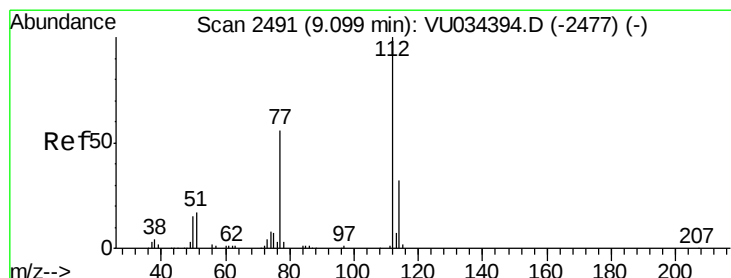
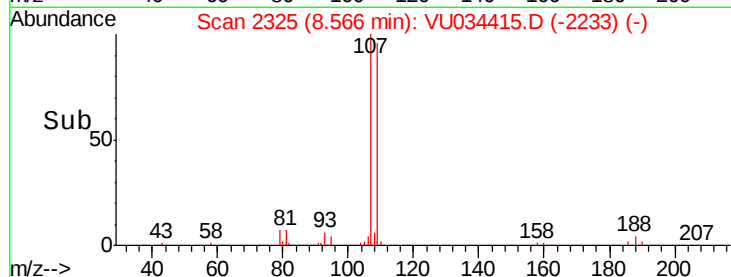
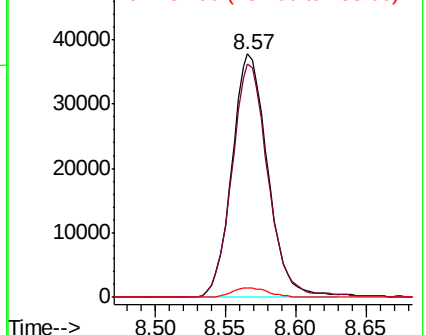
107 100

109 96.0 66.4 123.2

188 3.8 3.4 5.0



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: 5.269 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

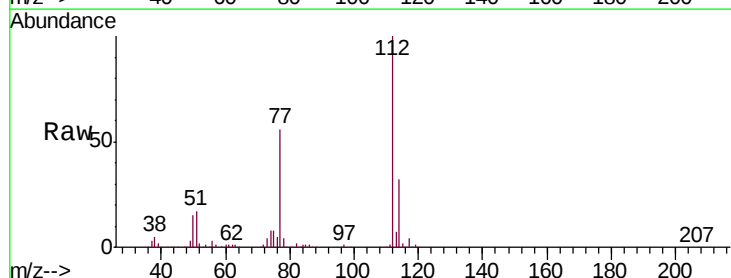
Tgt Ion:112 Resp: 280704

Ion Ratio Lower Upper

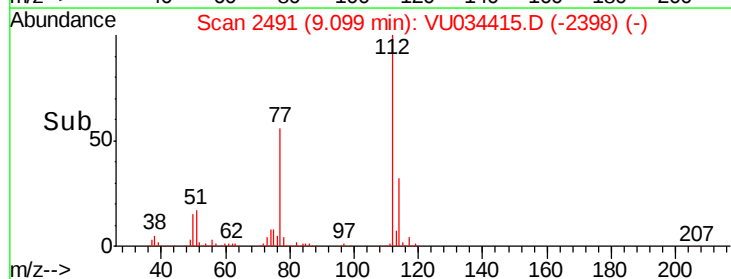
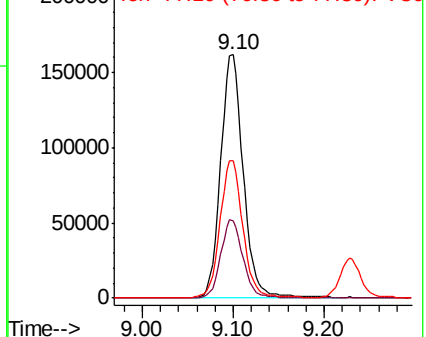
112 100

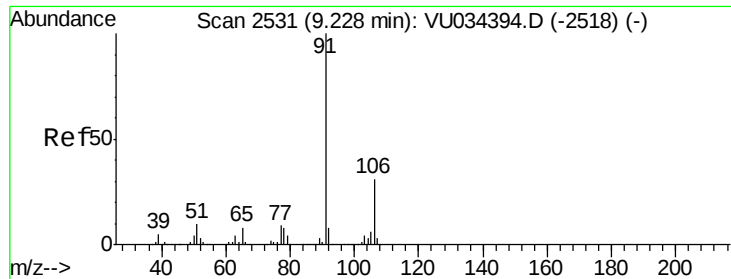
114 32.0 22.6 42.0

77 56.5 46.3 69.5



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: 4.951 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

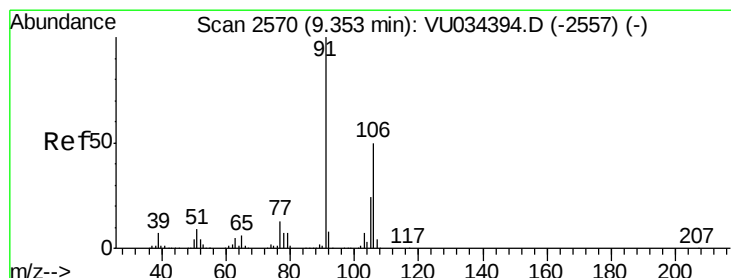
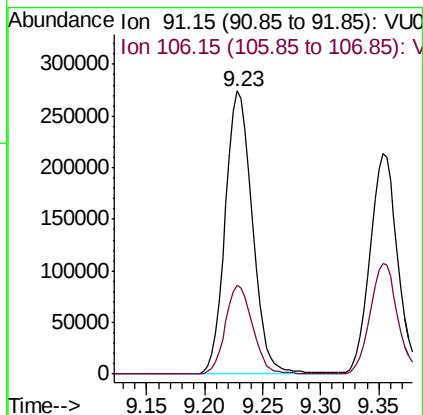
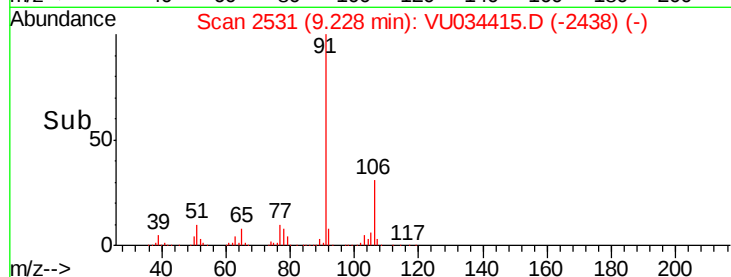
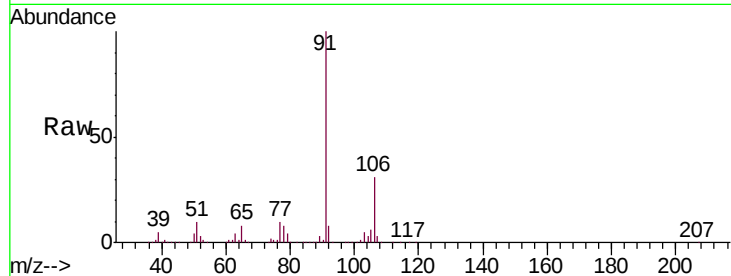
VSTD00519

Tgt Ion: 91 Resp: 446956

Ion Ratio Lower Upper

91 100

106 31.4 21.4 39.8



#53

m,p-Xylene

Concen: 5.132 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034415.D

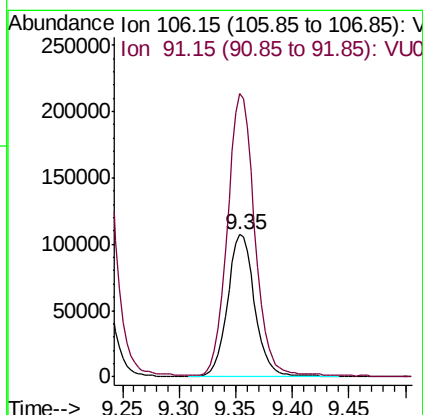
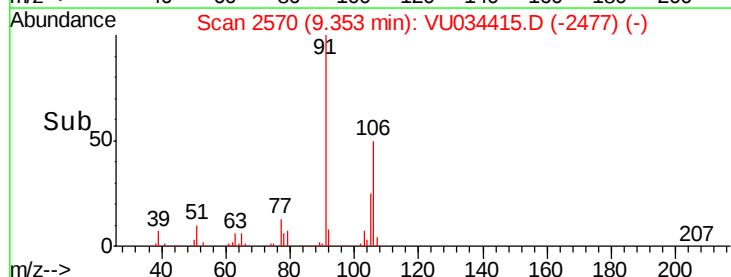
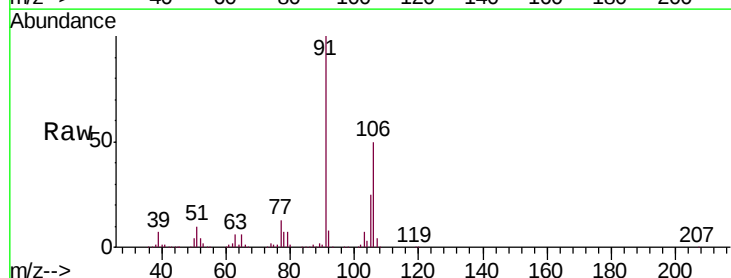
Acq: 08 Sep 2019 06:18

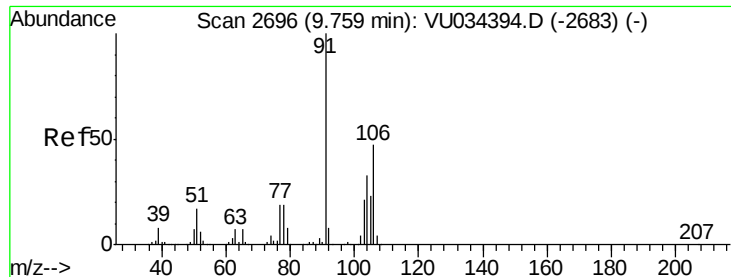
Tgt Ion: 106 Resp: 178053

Ion Ratio Lower Upper

106 100

91 198.6 143.4 266.4





#54

o-Xylene

Concen: 5.153 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

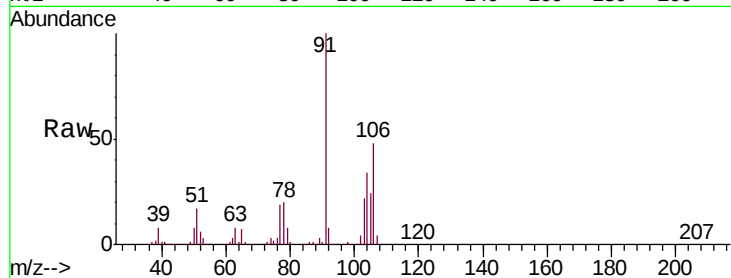
VSTD00519

Tgt Ion:106 Resp: 171313

Ion Ratio Lower Upper

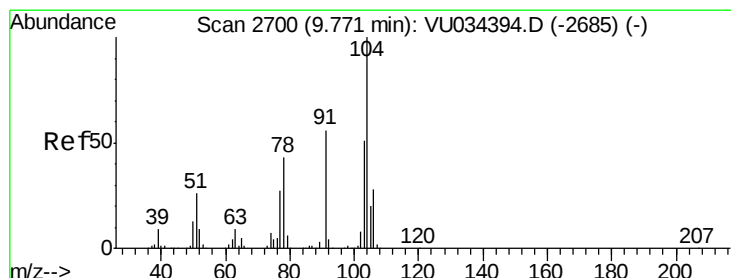
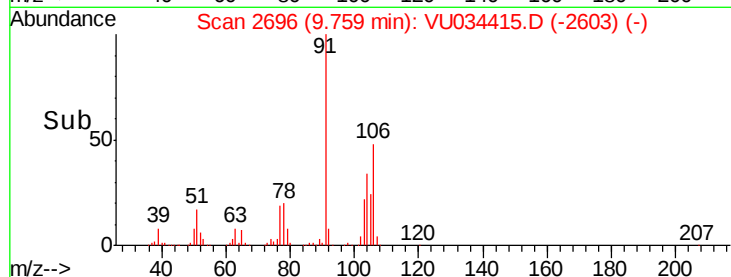
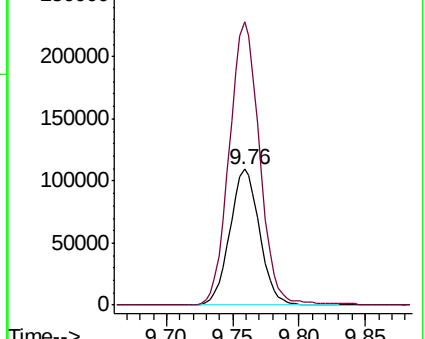
106 100

91 208.3 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.438 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VU034415.D

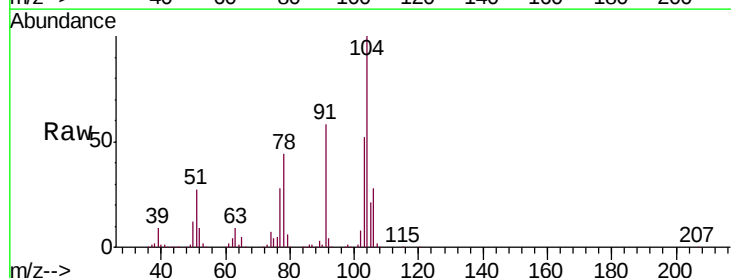
Acq: 08 Sep 2019 06:18

Tgt Ion:104 Resp: 301991

Ion Ratio Lower Upper

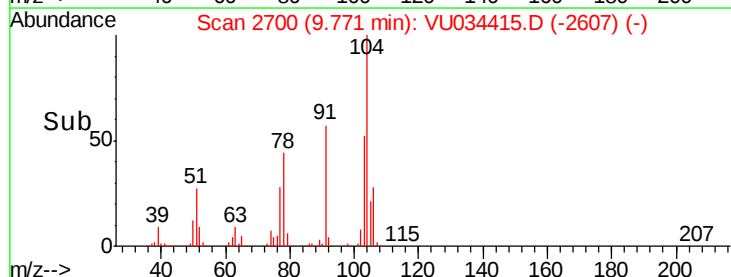
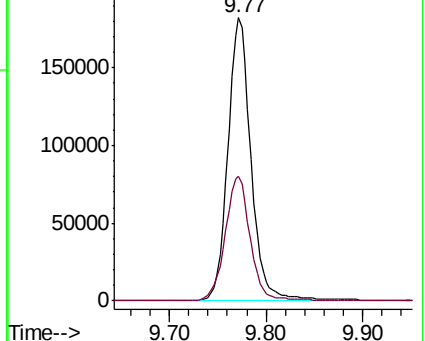
104 100

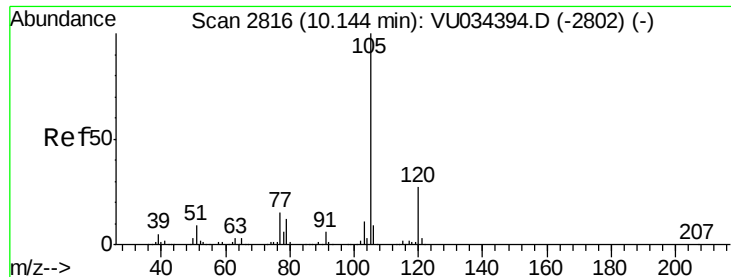
78 44.2 31.6 58.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.906 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

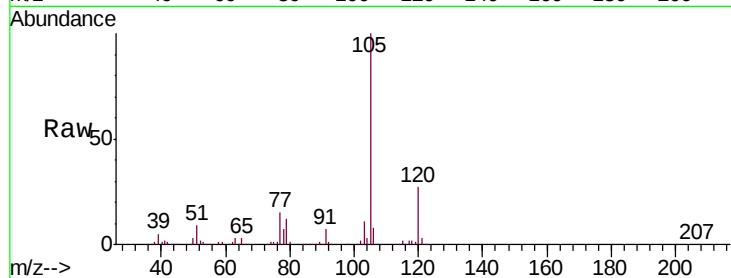
Tgt Ion: 105 Resp: 433943

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

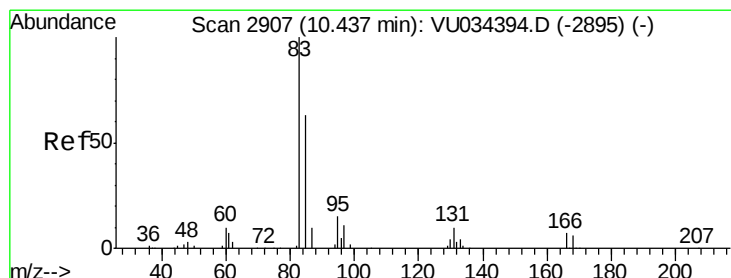
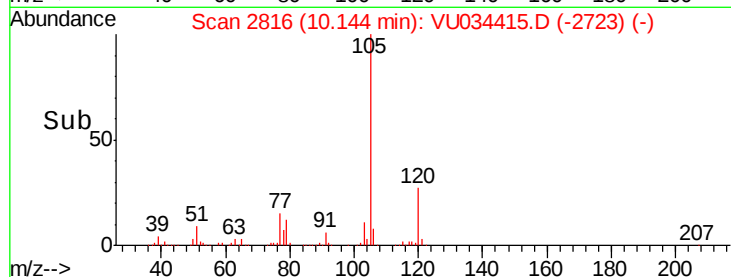
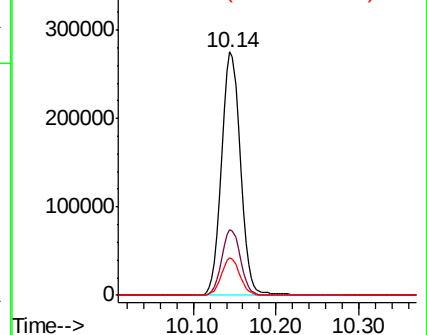
77 15.0 12.2 18.4



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: 5.615 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

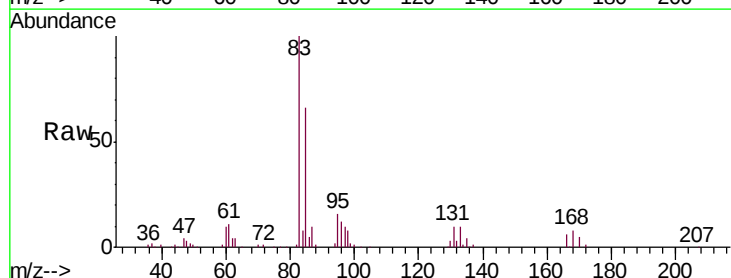
Tgt Ion: 83 Resp: 94455

Ion Ratio Lower Upper

83 100

85 66.0 45.2 84.0

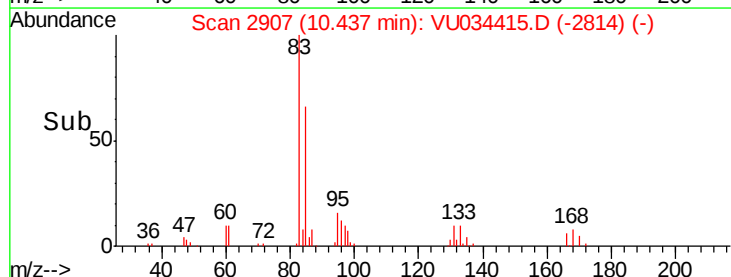
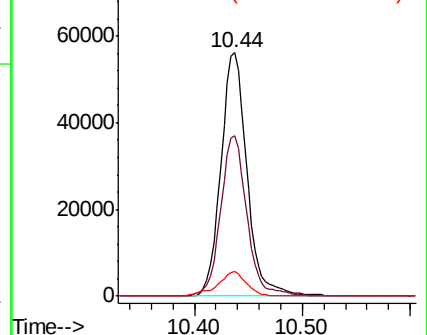
131 9.9 7.9 11.9

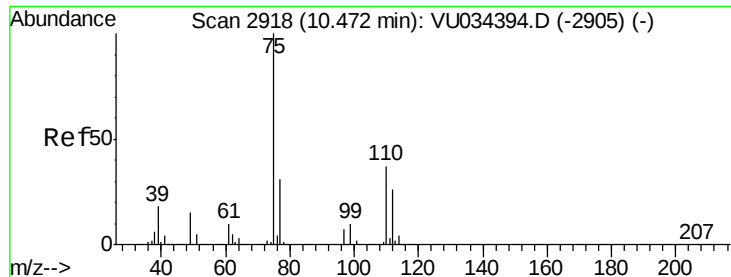


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

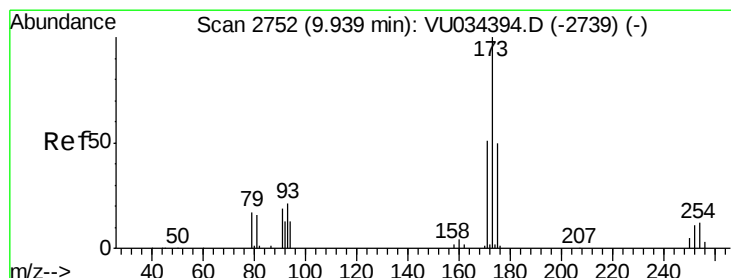
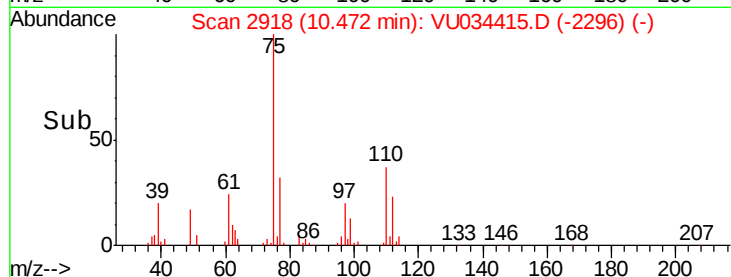
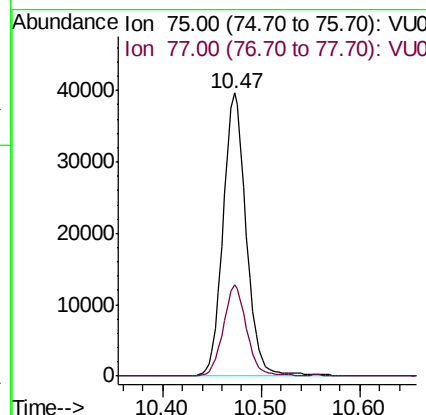
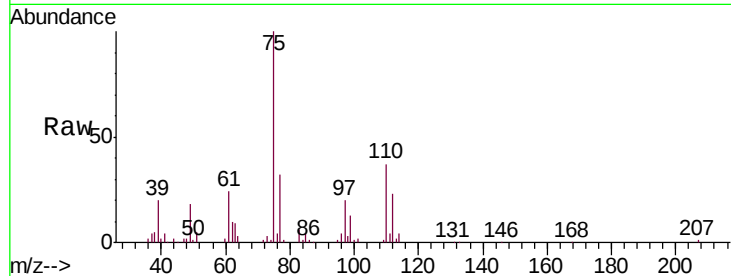




#59
 1,2,3-Trichloropropane
 Concen: 5.614 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

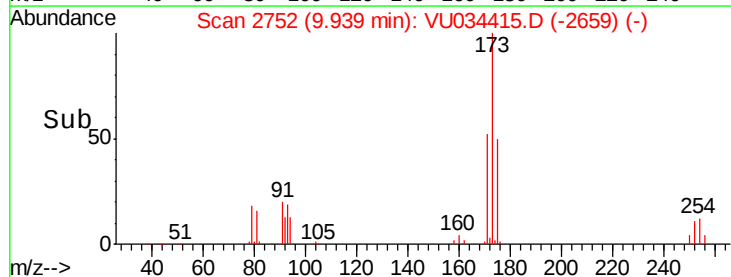
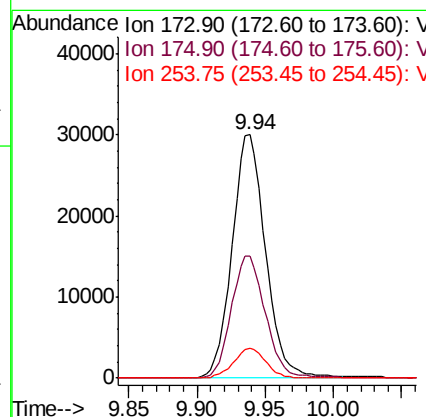
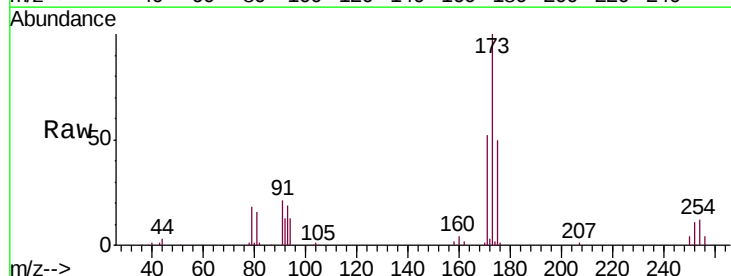
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

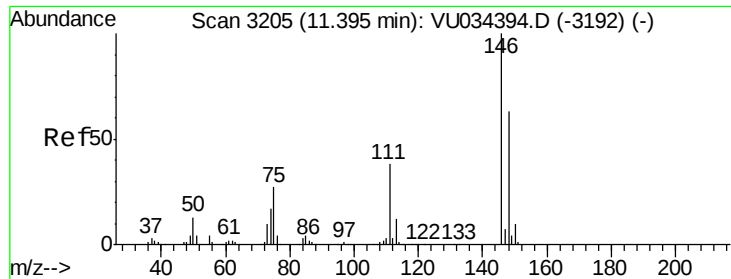
Tgt Ion: 75 Resp: 65571
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0



#61
 Bromoform
 Concen: 5.597 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion: 173 Resp: 51198
 Ion Ratio Lower Upper
 173 100
 175 50.8 39.0 58.4
 254 11.7 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 5.283 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

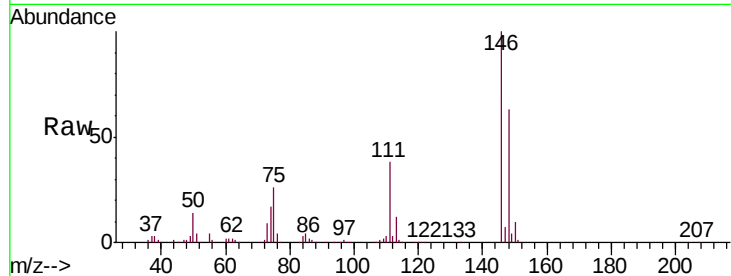
Tgt Ion:146 Resp: 240702

Ion Ratio Lower Upper

146 100

111 37.8 27.6 51.4

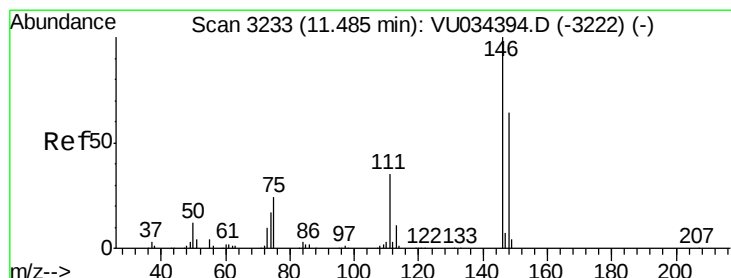
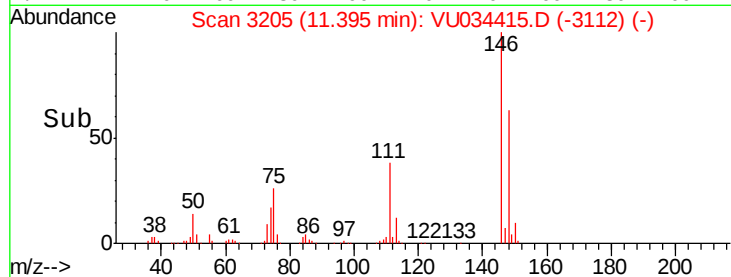
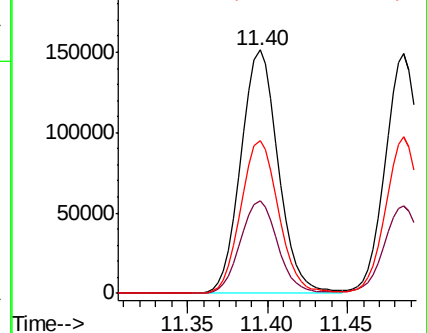
148 62.5 44.9 83.5



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: 5.202 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

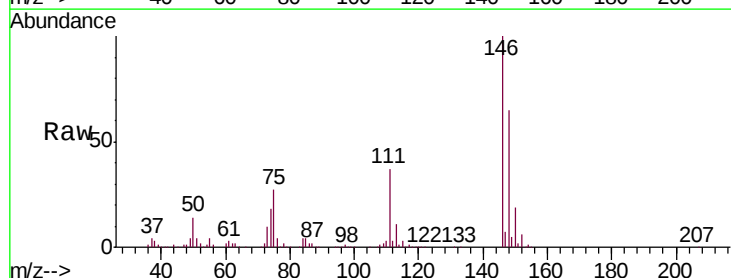
Tgt Ion:146 Resp: 238937

Ion Ratio Lower Upper

146 100

111 36.7 26.5 49.3

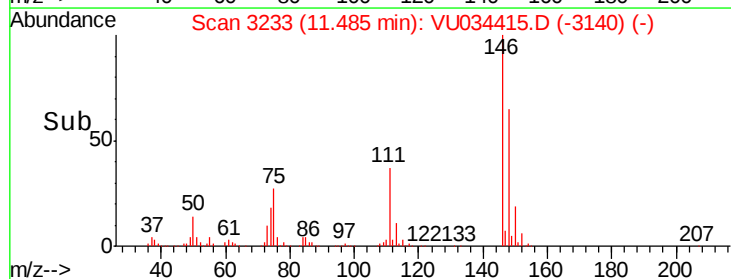
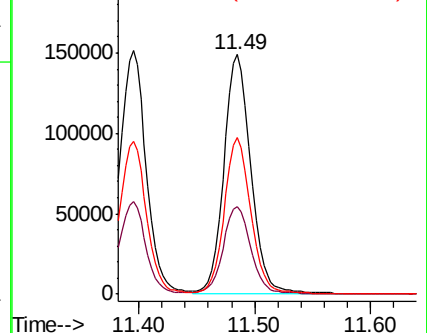
148 65.4 44.0 81.8

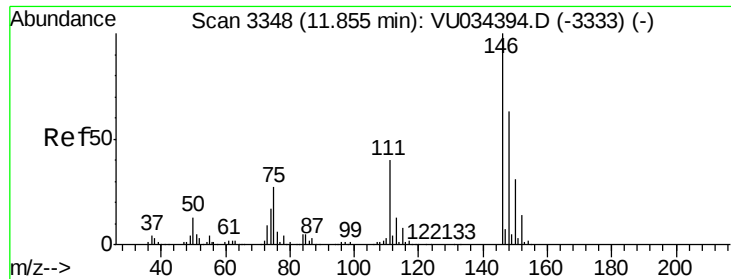


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

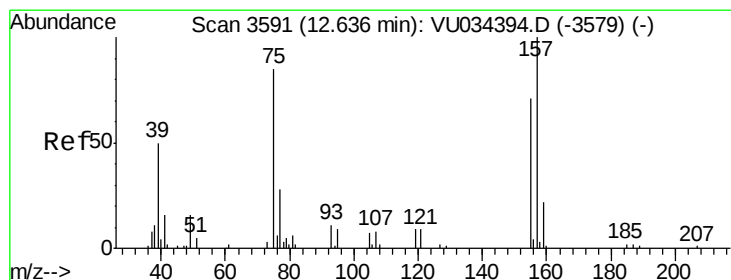
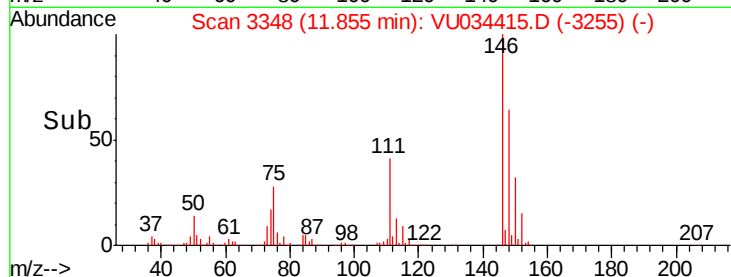
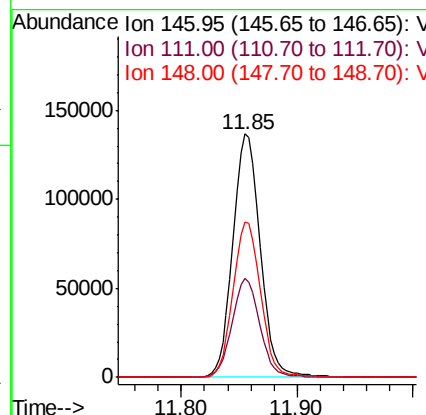
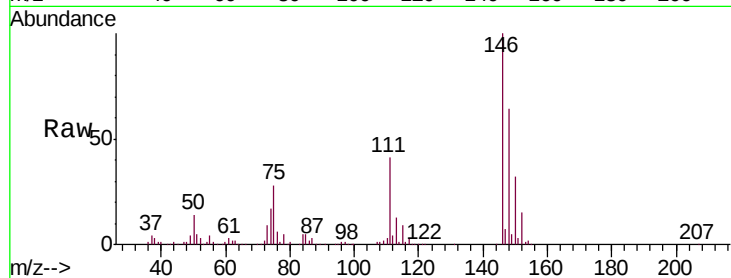




#65
 1,2-Dichlorobenzene
 Concen: 5.348 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

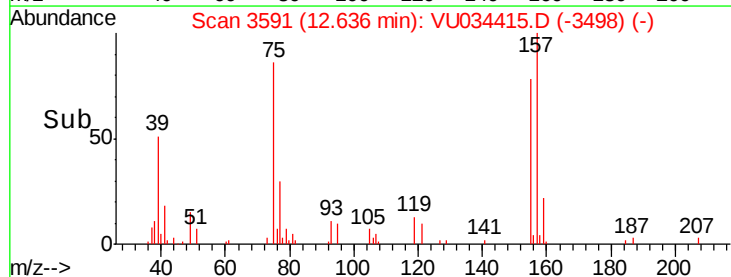
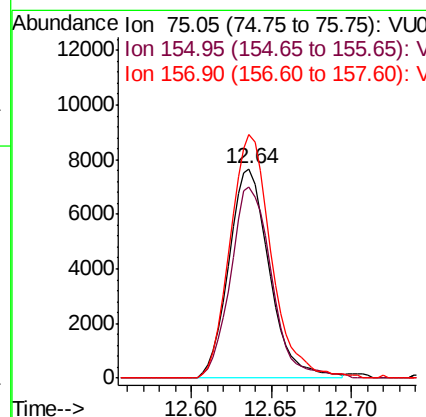
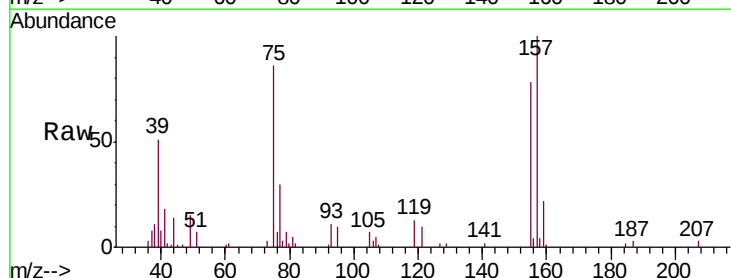
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

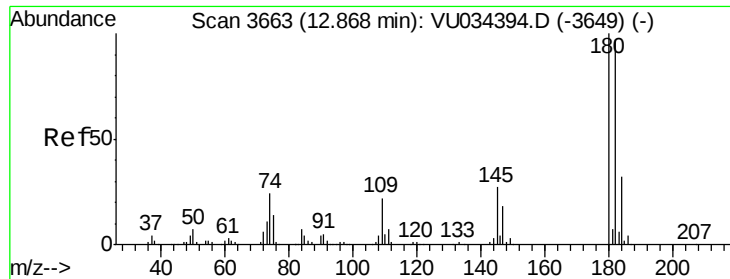
Tgt Ion: 146 Resp: 223307
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.8 49.2
 148 63.9 49.4 74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.240 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion: 75 Resp: 13248
 Ion Ratio Lower Upper
 75 100
 155 91.3 71.4 107.0
 157 116.4 92.6 138.8

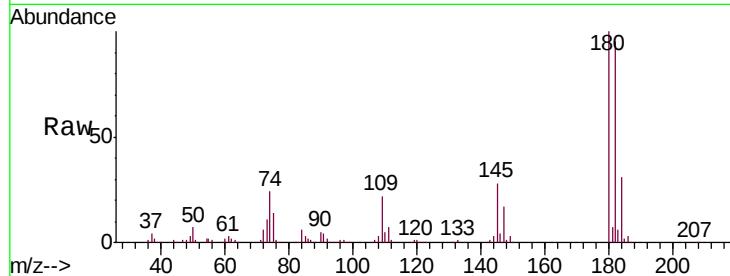




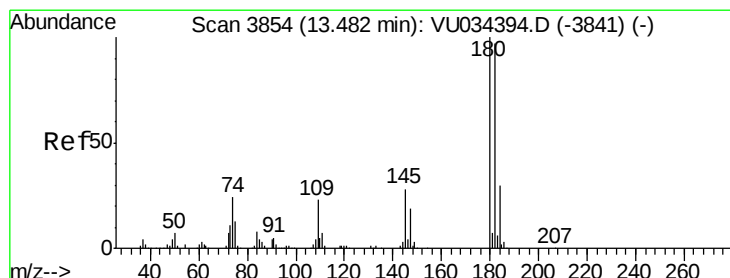
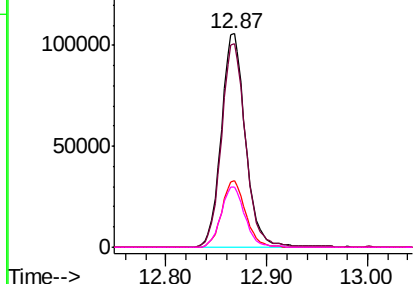
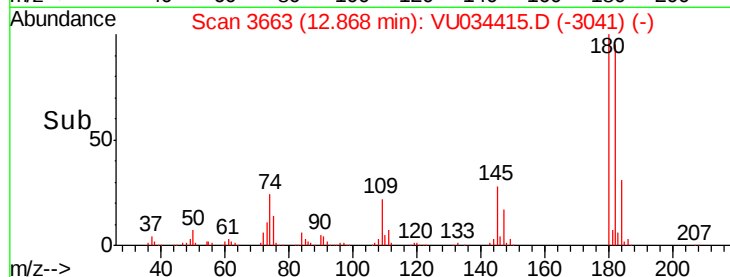
#67
 1,3,5-Trichlorobenzene
 Concen: 4.871 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tgt Ion:180 Resp: 177749
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.0 115.6
 184 30.8 24.3 36.5
 145 27.9 22.6 33.8

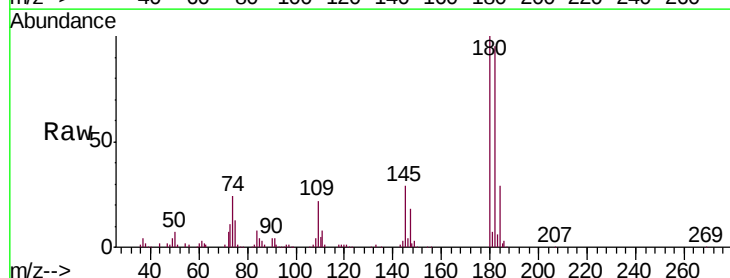


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

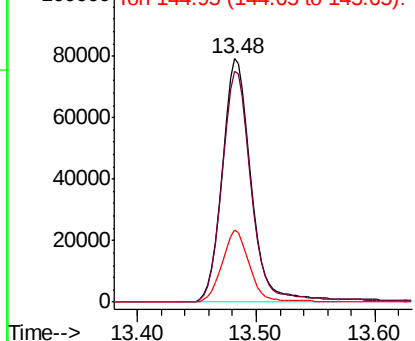
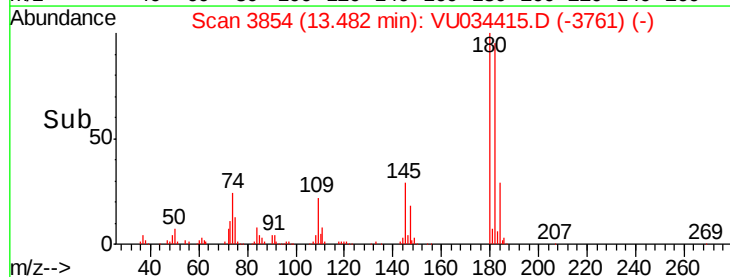


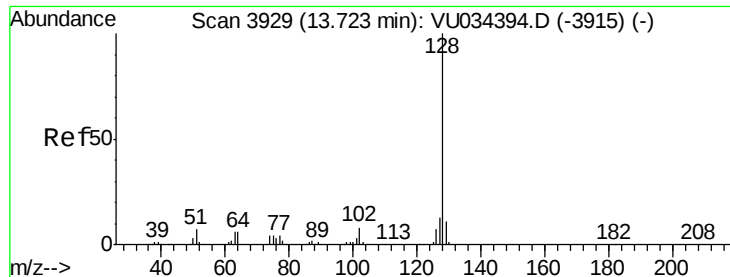
#68
 1,2,4-trichlorobenzene
 Concen: 4.763 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034415.D
 Acq: 08 Sep 2019 06:18

Tgt Ion:180 Resp: 133231
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.1 112.7
 145 28.2 23.7 35.5



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: 4.540 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

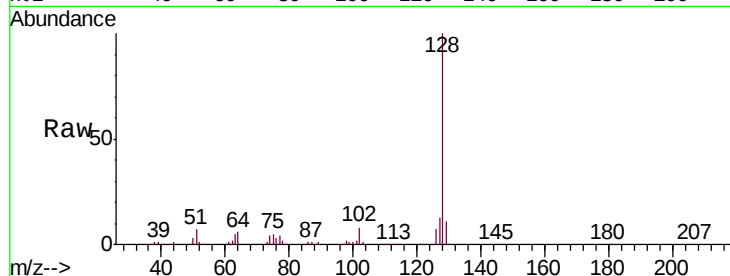
Tgt Ion:128 Resp: 191207

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

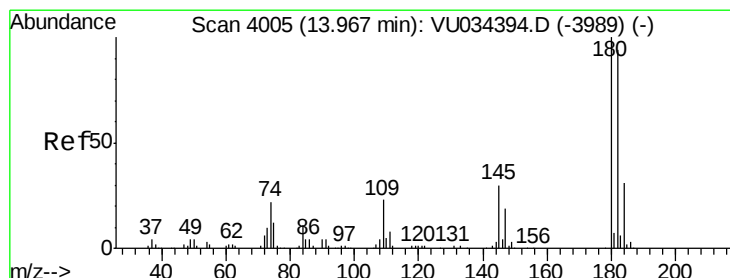
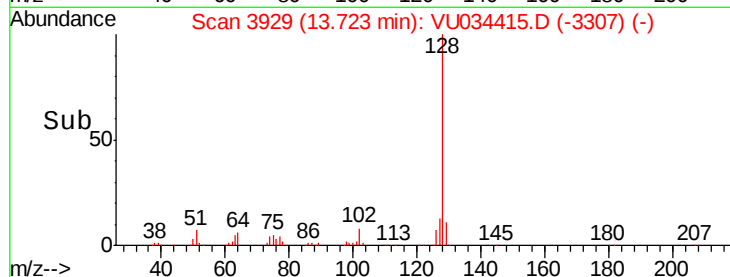
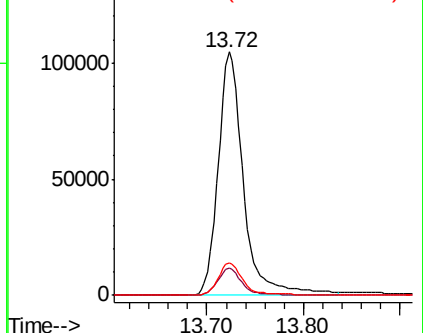
127 13.5 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.197 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. -0.00 min

Lab File: VU034415.D

Acq: 08 Sep 2019 06:18

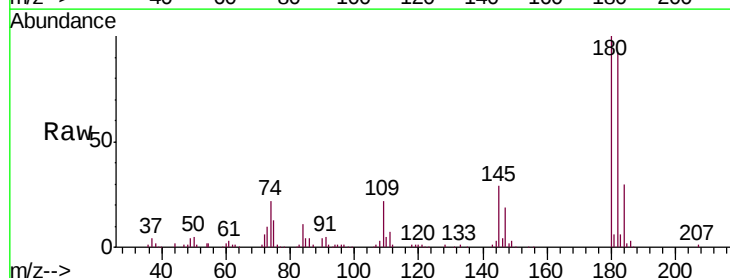
Tgt Ion:180 Resp: 132386

Ion Ratio Lower Upper

180 100

182 92.4 76.8 115.2

145 29.3 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

