

Data File : VU029417.D
Acq On : 12 Feb 2019 13:49
Operator : JC/SP
Sample : VSTD02049
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02049

Quant Time: Feb 13 02:59:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 02:55:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	198688	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	194356	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113717	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	292013	20.38	ug/L	0.00
7) Chloroethane-d5	1.67	69	255239	21.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	633614	21.76	ug/L	0.00
20) 2-Butanone-d5	4.19	46	623116	237.24	ug/L	0.00
24) Chloroform-d	4.64	84	487081	22.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	241140	21.11	ug/L	0.00
32) Benzene-d6	5.33	84	990779	20.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	290692	20.77	ug/L	0.00
41) Toluene-d8	7.56	98	999819	21.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	136837	21.34	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	659951	237.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	265525	22.43	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	453444	21.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	364593	22.616 ug/L	99
3) Chloromethane	1.32	50	335622	22.115 ug/L	99
5) Vinyl chloride	1.40	62	407121	23.727 ug/L	100
6) Bromomethane	1.61	94	260101	21.497 ug/L	99
8) Chloroethane	1.69	64	251292	23.132 ug/L	98
9) Trichlorofluoromethane	1.88	101	624159	23.679 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	369037	23.522 ug/L	98
12) 1,1-Dichloroethene	2.28	96	349254	23.641 ug/L	96
13) Acetone	2.32	43	534691	245.321 ug/L	100
14) Carbon disulfide	2.47	76	1153028	23.203 ug/L	100
15) Methyl Acetate	2.62	43	140566	23.532 ug/L	96
16) Methylene chloride	2.69	84	356734	21.922 ug/L	99
17) Methyl tert-butyl Ether	3.00	73	875045	23.566 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	370432	23.126 ug/L	100
19) 1,1-Dichloroethane	3.44	63	503203	21.570 ug/L	97
21) 2-Butanone	4.28	43	687890	256.774 ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	335762	23.294 ug/L	98
23) Bromochloromethane	4.54	128	152474	23.291 ug/L	98
25) Chloroform	4.67	83	537250	22.955 ug/L	97
27) 1,2-Dichloroethane	5.40	62	325558	23.815 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	490648	22.470 ug/L	99
30) Cyclohexane	4.99	56	464918	22.315 ug/L	97
31) Carbon tetrachloride	5.13	117	454678	22.743 ug/L	99
33) Benzene	5.38	78	1165890	22.981 ug/L	100
34) Trichloroethene	6.18	95	330070	22.848 ug/L	96
35) Methylcyclohexane	6.41	83	556747	22.528 ug/L	98
37) 1,2-Dichloropropane	6.43	63	293178	22.721 ug/L	100
38) Bromodichloromethane	6.75	83	392320	22.426 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	483801	23.362 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1763231	243.043 ug/L	100

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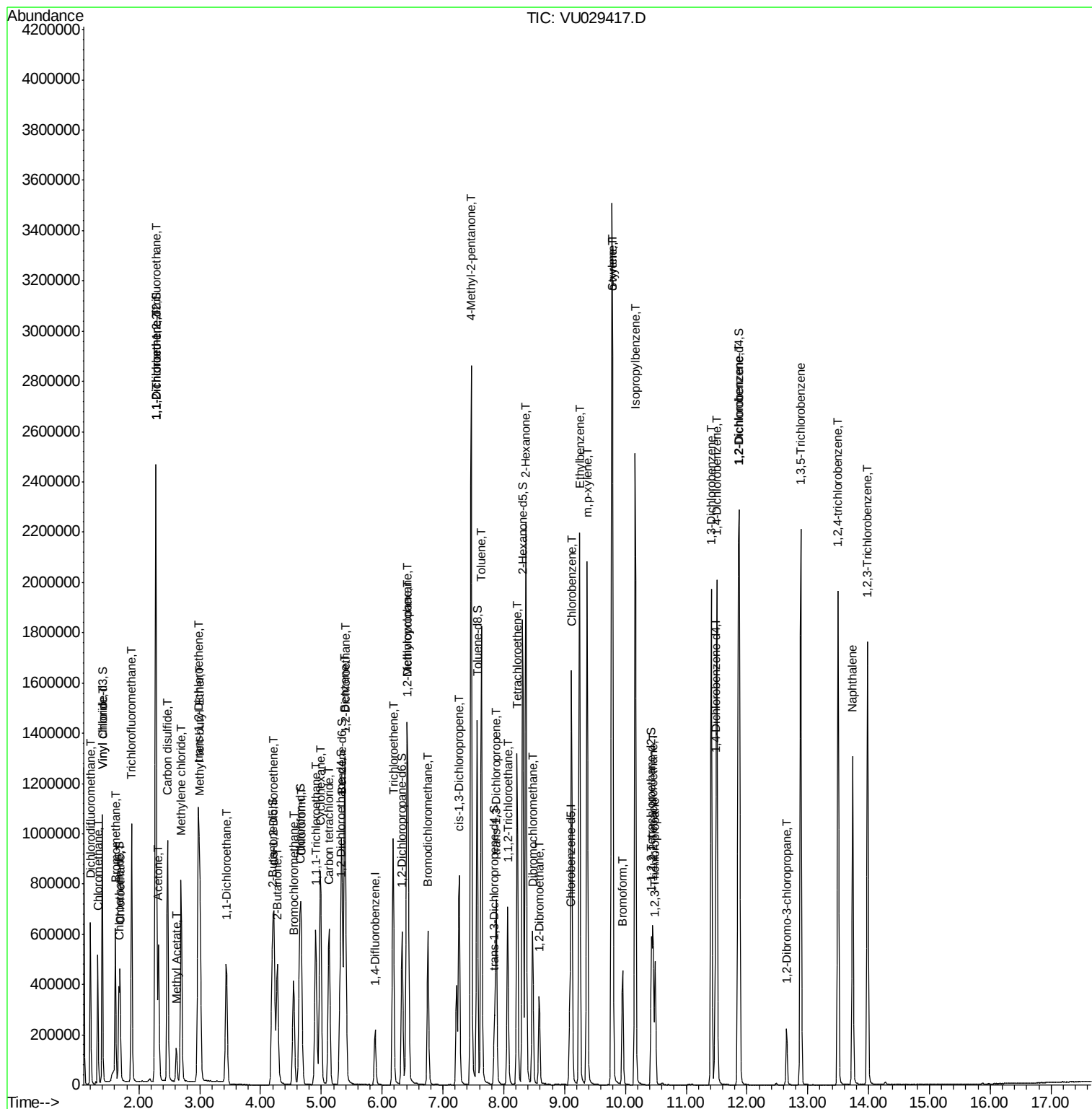
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	1354737	23.407	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	400223	23.310	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	225749	22.560	ug/L	97
47) Tetrachloroethene	8.22	164	315335	23.501	ug/L	97
48) 2-Hexanone	8.36	43	1302728	257.429	ug/L	99
49) Dibromochloromethane	8.48	129	320997	23.587	ug/L	99
50) 1,2-Dibromoethane	8.58	107	225838	23.231	ug/L	96
51) Chlorobenzene	9.12	112	917464	23.012	ug/L	98
52) Ethylbenzene	9.25	91	1552366	23.610	ug/L	100
53) m,p-xylene	9.37	106	628410	23.974	ug/L	100
54) o-xylene	9.77	106	620386	24.257	ug/L	99
55) Styrene	9.79	104	1072902	25.293	ug/L	98
56) Isopropylbenzene	10.16	105	1655372	24.445	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	288480	23.545	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	196836	24.118	ug/L	96
61) Bromoform	9.95	173	207351	22.929	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	836746	23.346	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	844464	23.214	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	791168	23.541	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	51767	23.182	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	716584	24.188	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	637543	24.780	ug/L	100
69) Naphthalene	13.74	128	1082596	26.910	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	577374	24.706	ug/L	99

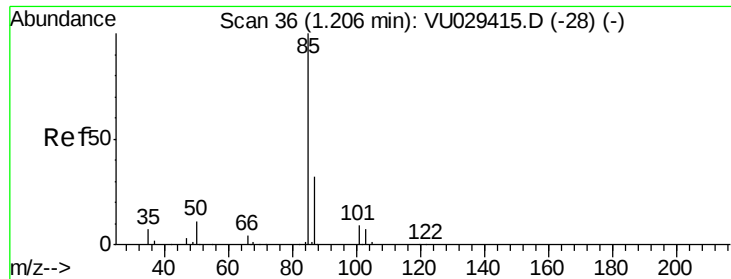
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.616 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

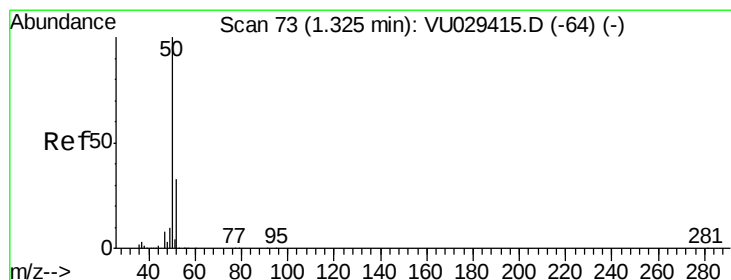
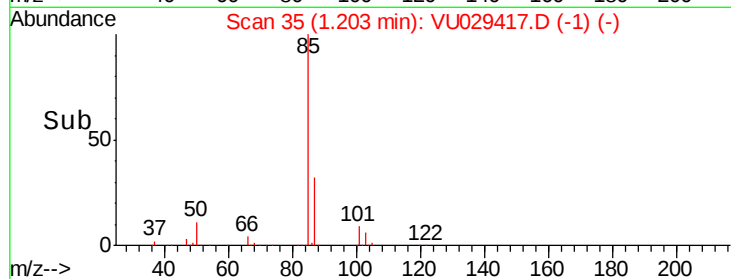
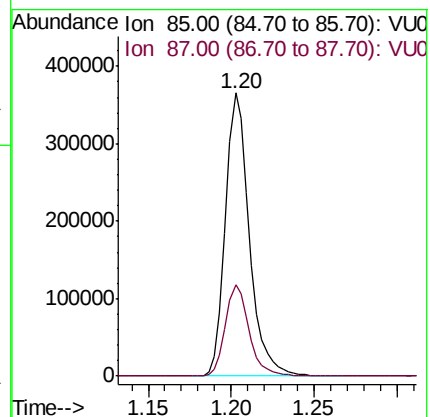
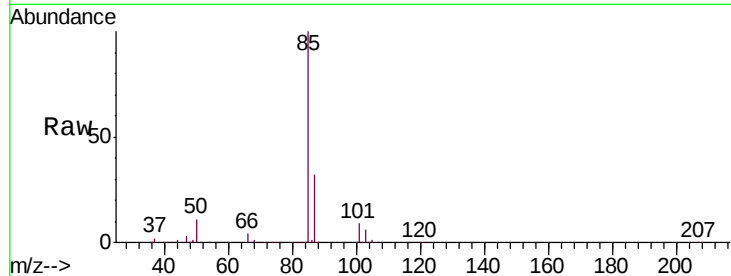
VSTD02049

Tgt Ion: 85 Resp: 364593

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.0



#3

Chloromethane

Concen: 22.115 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU029417.D

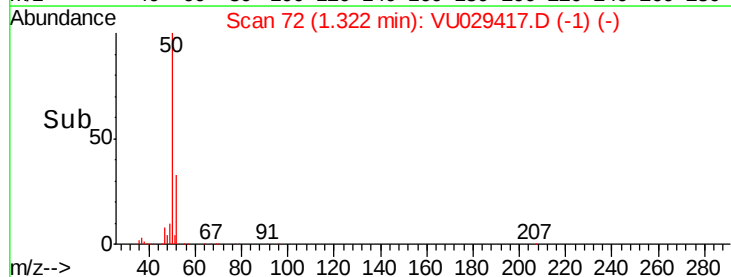
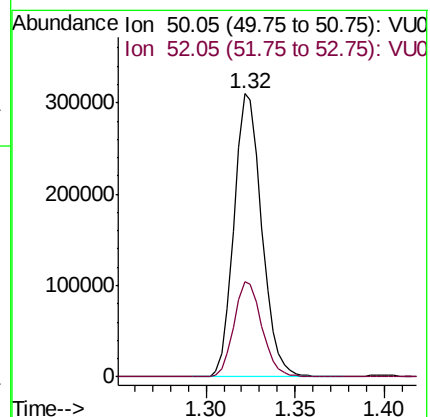
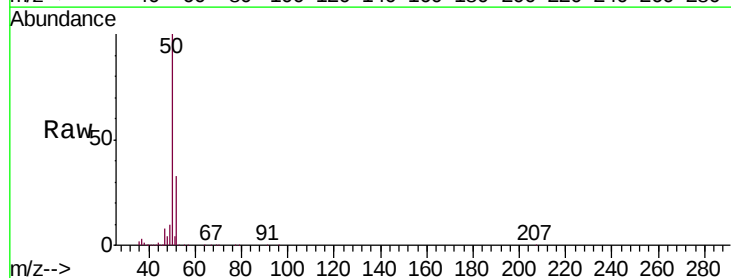
Acq: 12 Feb 2019 13:49

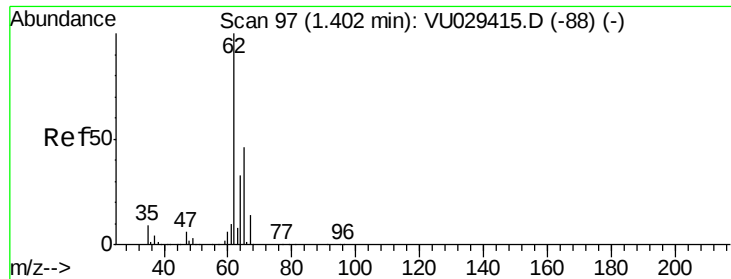
Tgt Ion: 50 Resp: 335622

Ion Ratio Lower Upper

50 100

52 33.4 23.1 42.9





#5

Vinyl chloride

Concen: 23.727 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

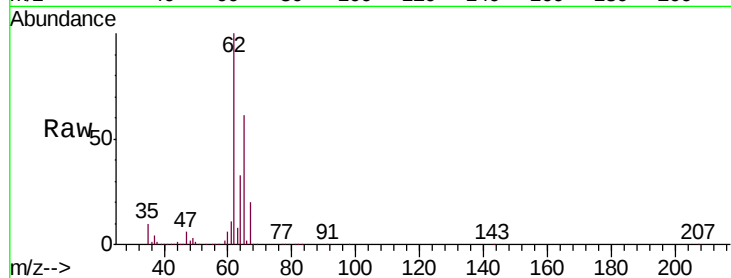
VSTD02049

Tgt Ion: 62 Resp: 407121

Ion Ratio Lower Upper

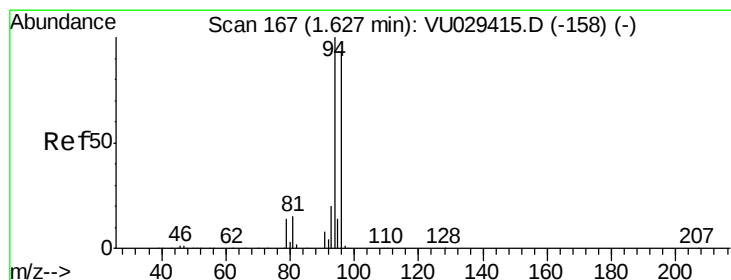
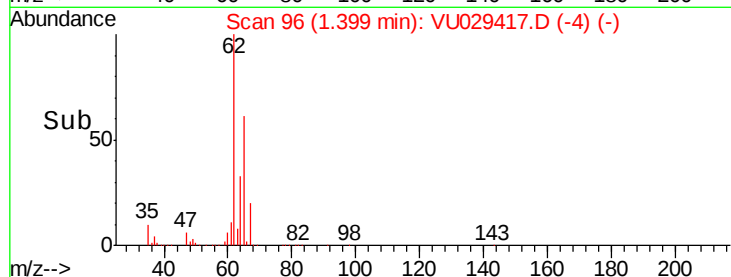
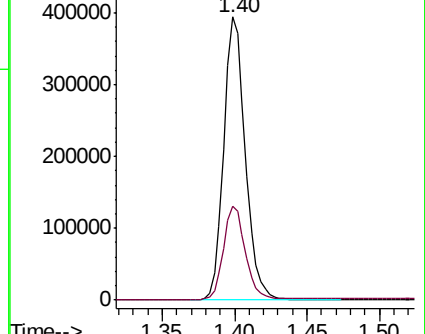
62 100

64 33.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 21.497 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU029417.D

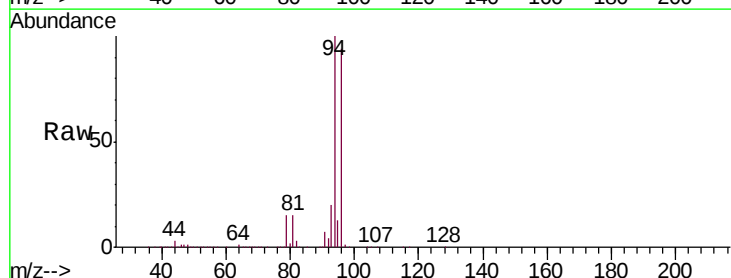
Acq: 12 Feb 2019 13:49

Tgt Ion: 94 Resp: 260101

Ion Ratio Lower Upper

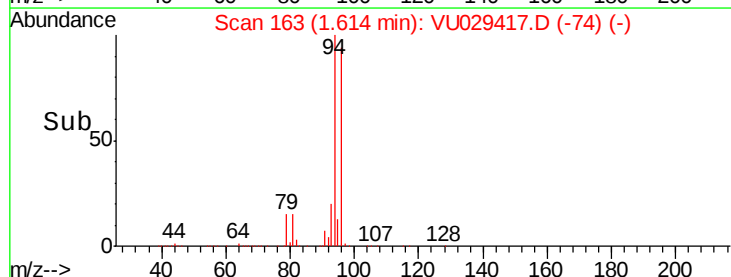
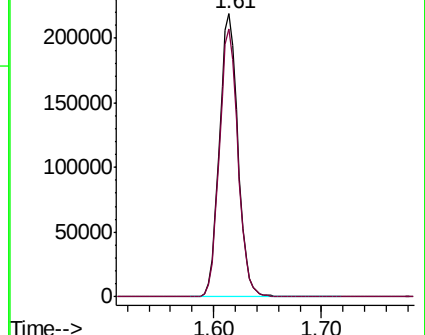
94 100

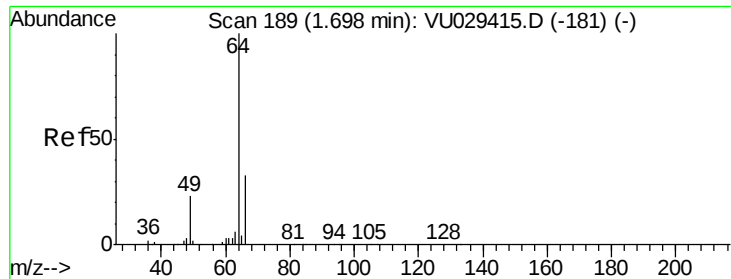
96 94.5 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 23.132 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

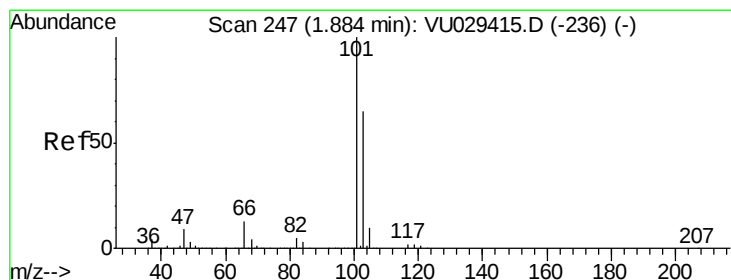
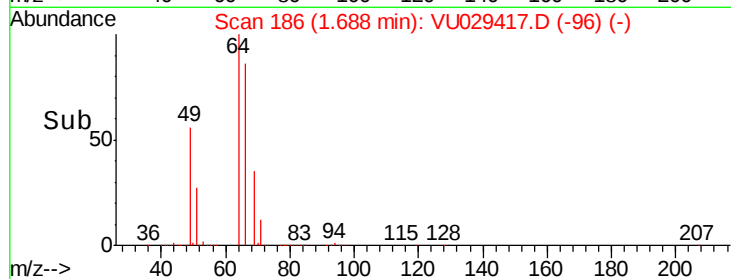
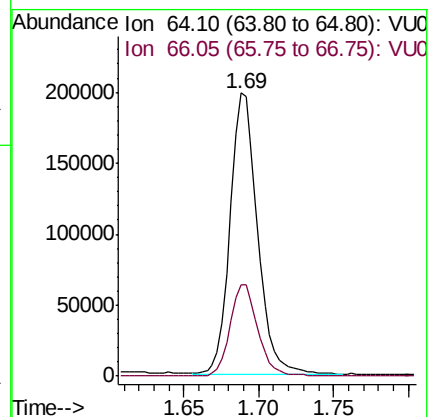
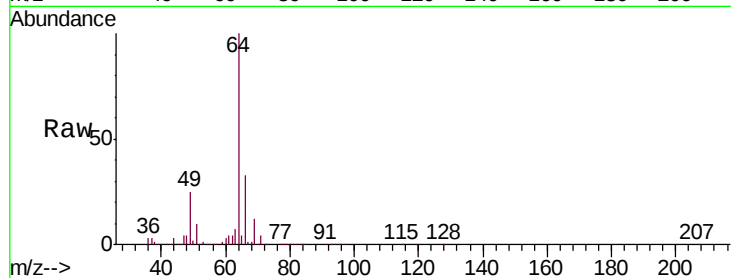
VSTD02049

Tgt Ion: 64 Resp: 251292

Ion Ratio Lower Upper

64 100

66 32.5 22.0 40.8



#9

Trichlorofluoromethane

Concen: 23.679 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU029417.D

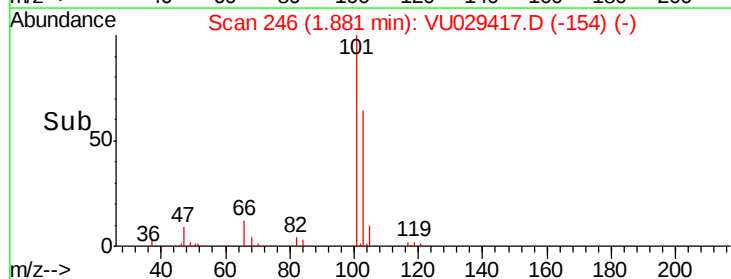
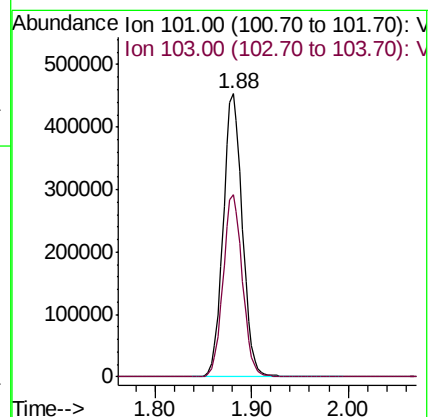
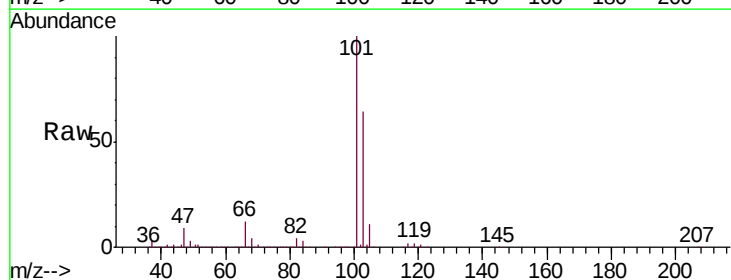
Acq: 12 Feb 2019 13:49

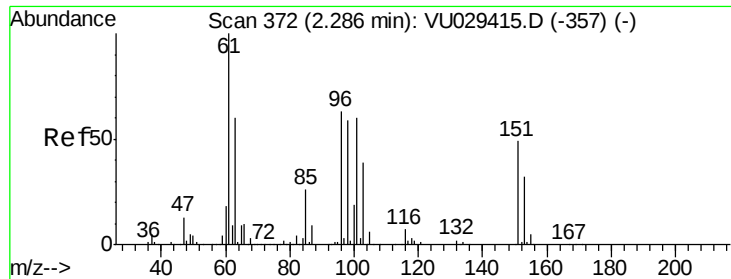
Tgt Ion: 101 Resp: 624159

Ion Ratio Lower Upper

101 100

103 64.7 52.1 78.1





#10

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

Concen: 23.522 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD02049

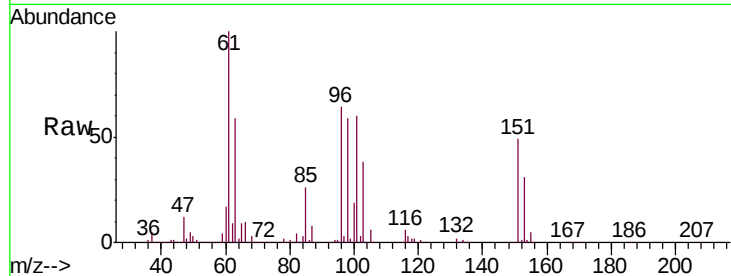
Tgt Ion: 101 Resp: 369037

Ion Ratio Lower Upper

101 100

85 43.2 35.1 52.7

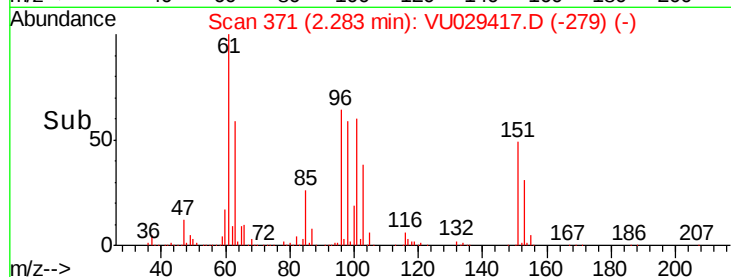
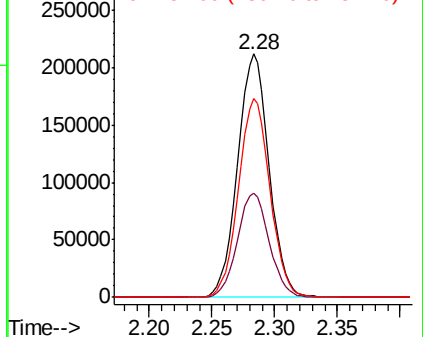
151 81.9 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.641 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

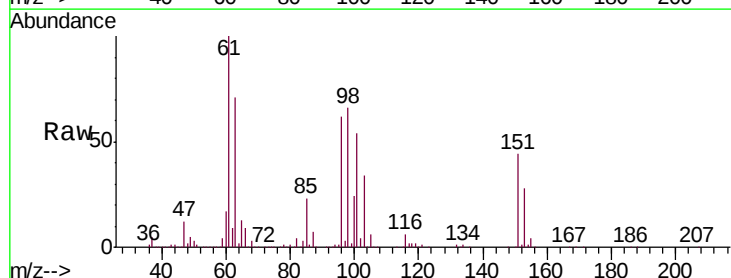
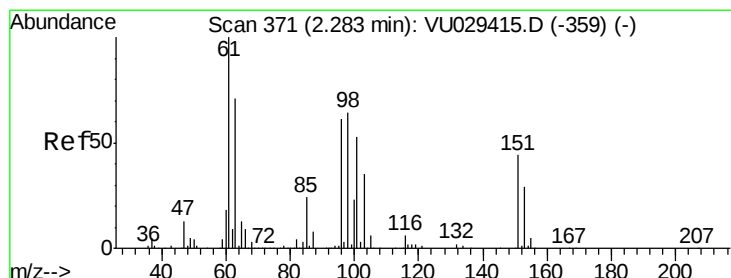
Tgt Ion: 96 Resp: 349254

Ion Ratio Lower Upper

96 100

61 160.5 115.1 213.7

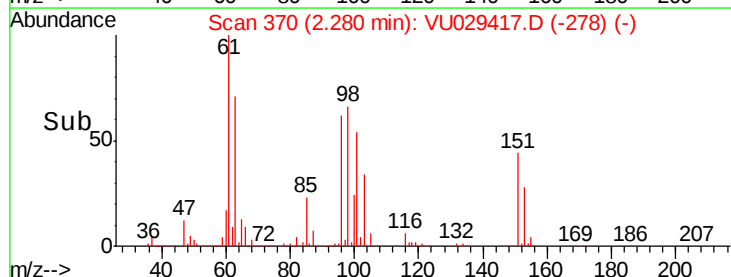
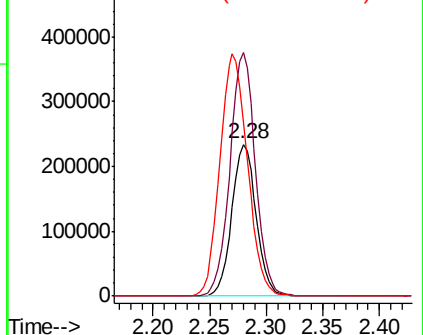
63 114.5 83.5 155.1

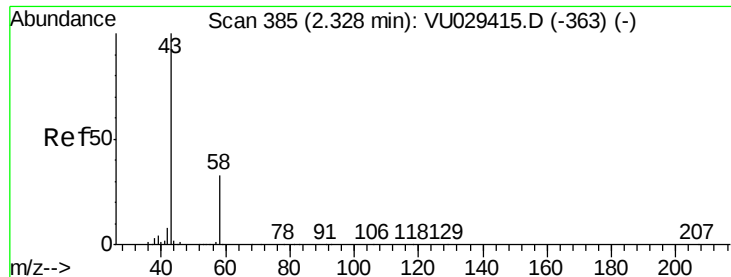


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 245.321 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

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Acq: 12 Feb 2019 13:49

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ClientSampleId :

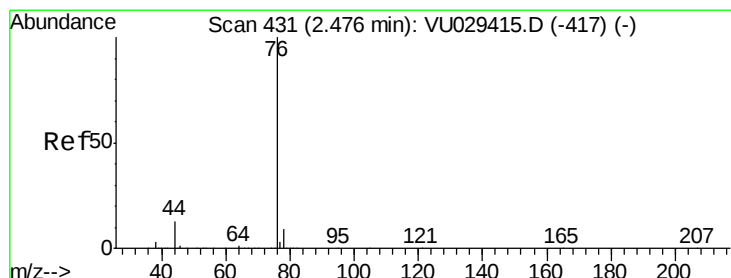
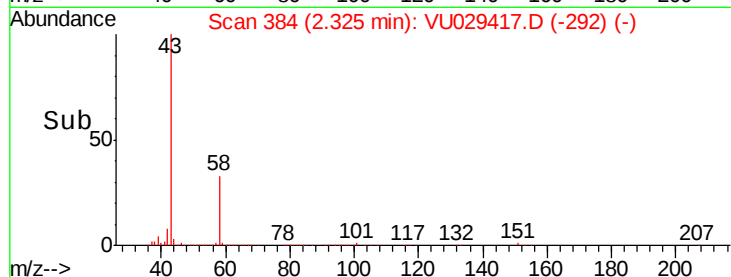
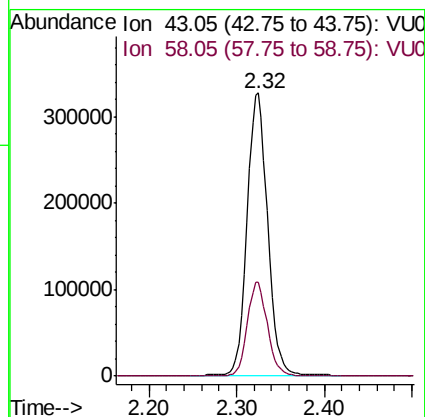
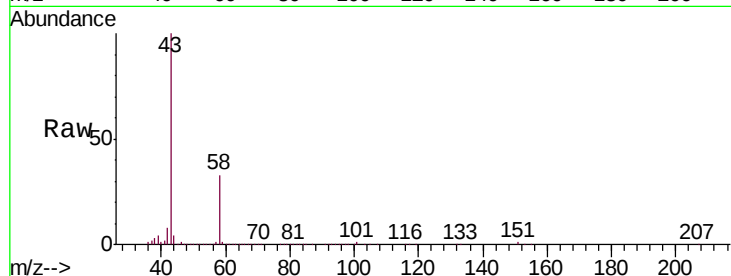
VSTD02049

Tgt Ion: 43 Resp: 534691

Ion Ratio Lower Upper

43 100

58 32.4 0.0 65.0



#14

Carbon disulfide

Concen: 23.203 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029417.D

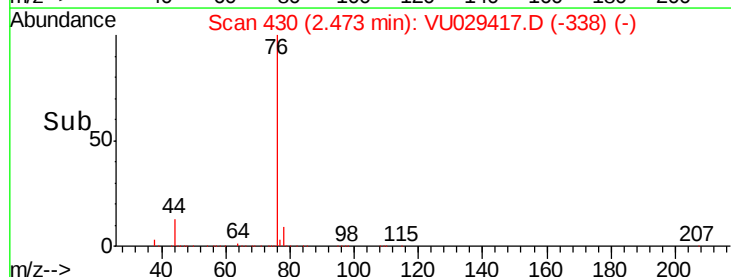
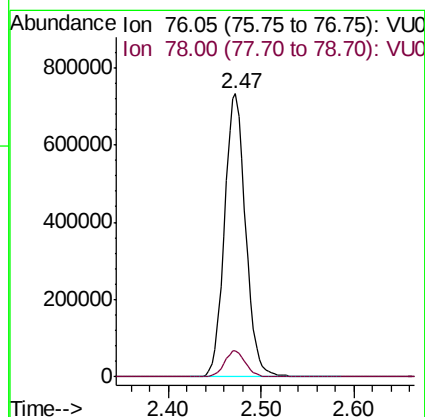
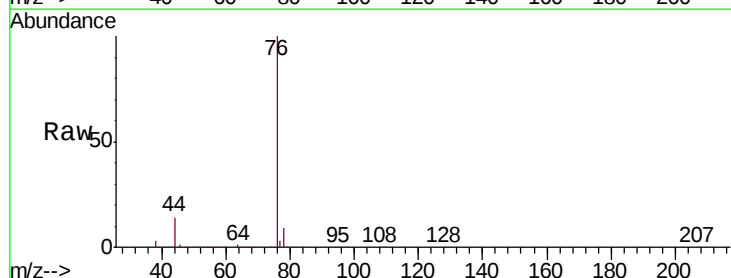
Acq: 12 Feb 2019 13:49

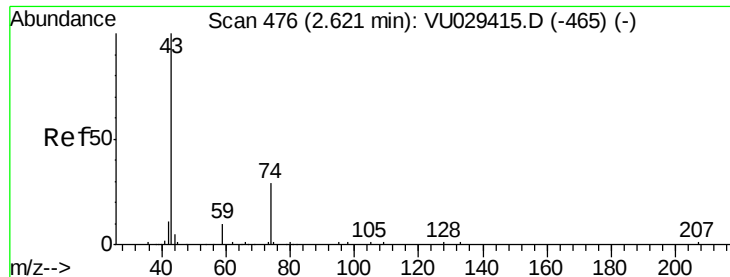
Tgt Ion: 76 Resp: 1153028

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

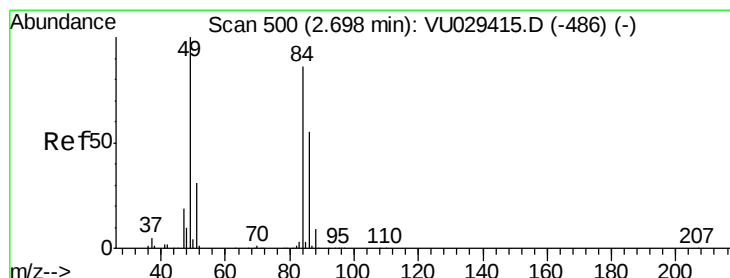
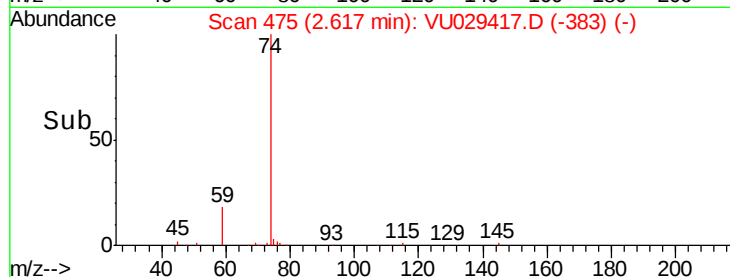
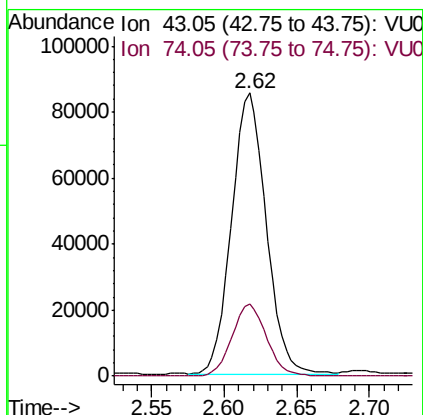
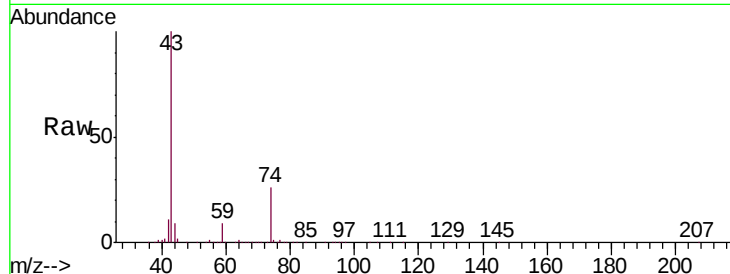




#15
Methyl Acetate
Concen: 23.532 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

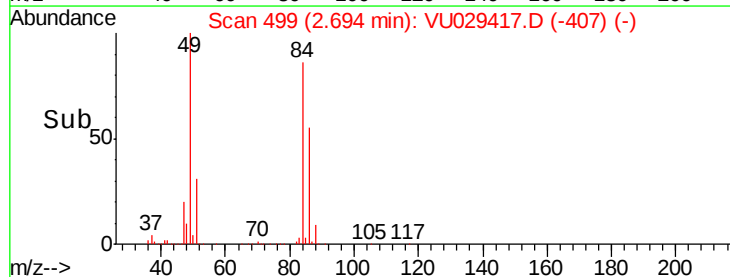
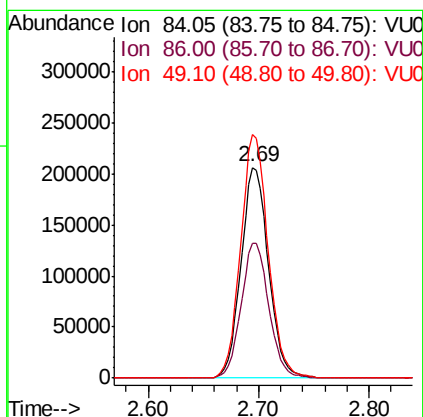
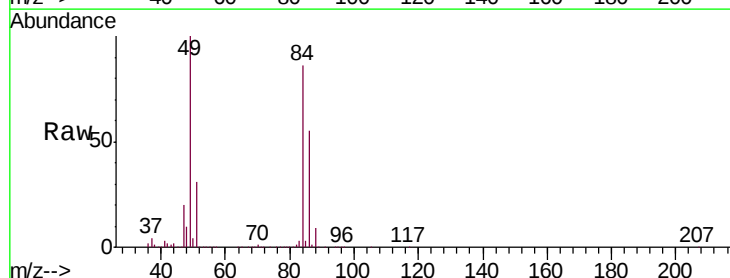
Instrument :
MSVOA_U
ClientSampleId :
VSTD02049

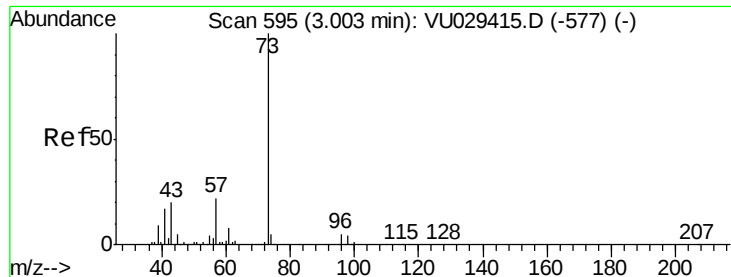
Tgt Ion: 43 Resp: 140566
Ion Ratio Lower Upper
43 100
74 25.8 22.3 33.5



#16
Methylene chloride
Concen: 21.922 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

Tgt Ion: 84 Resp: 356734
Ion Ratio Lower Upper
84 100
86 64.0 45.1 83.9
49 115.6 81.8 151.8





#17

Methyl tert-butyl Ether

Concen: 23.566 ug/L

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD02049

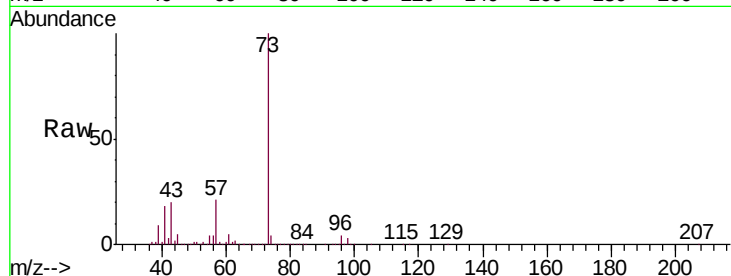
Tgt Ion: 73 Resp: 875045

Ion Ratio Lower Upper

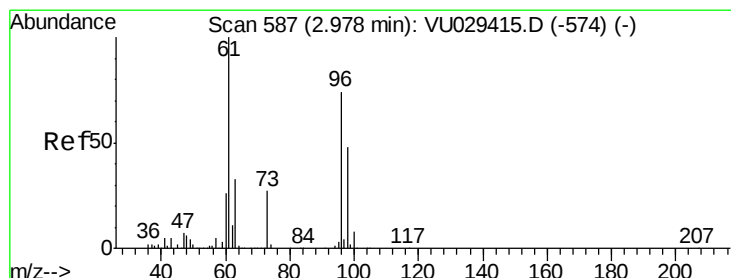
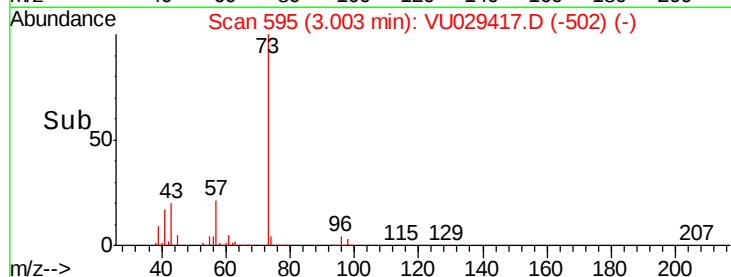
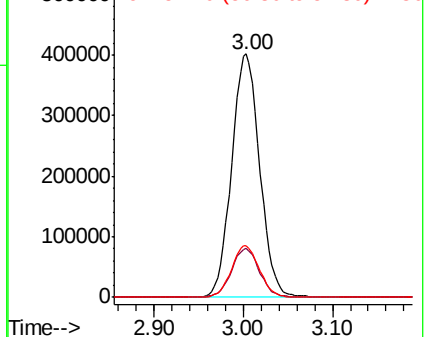
73 100

43 19.7 16.0 24.0

57 21.0 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 23.126 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

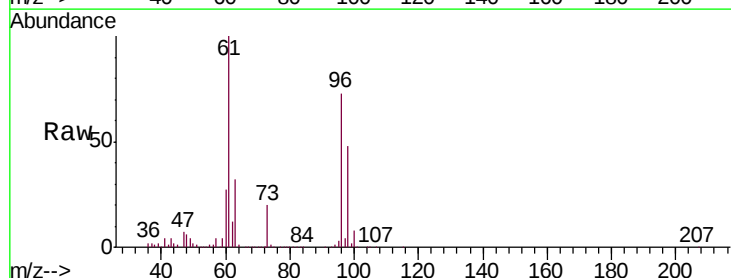
Tgt Ion: 96 Resp: 370432

Ion Ratio Lower Upper

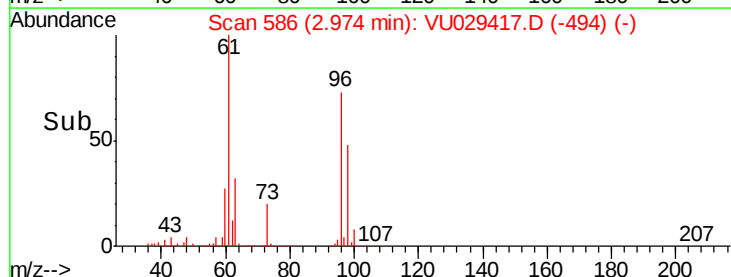
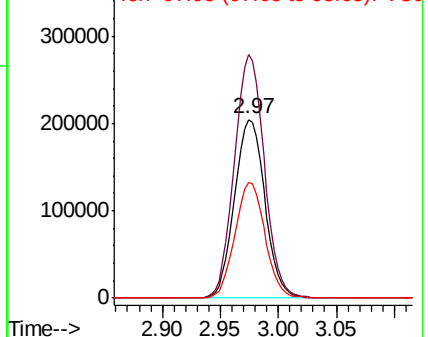
96 100

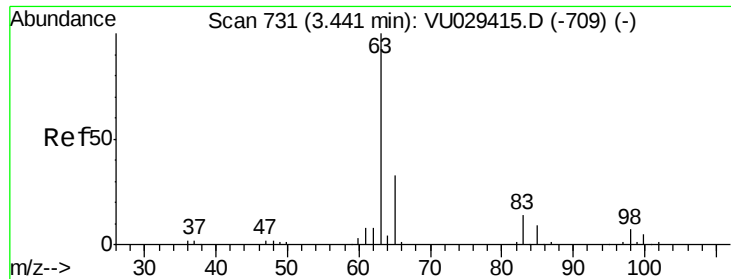
61 136.5 95.4 177.2

98 65.0 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 21.570 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD02049

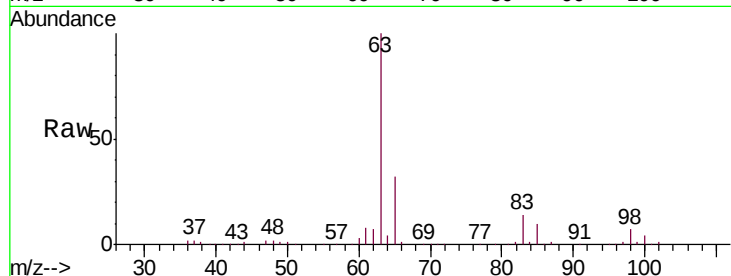
Tgt Ion: 63 Resp: 503203

Ion Ratio Lower Upper

63 100

65 31.7 23.5 43.7

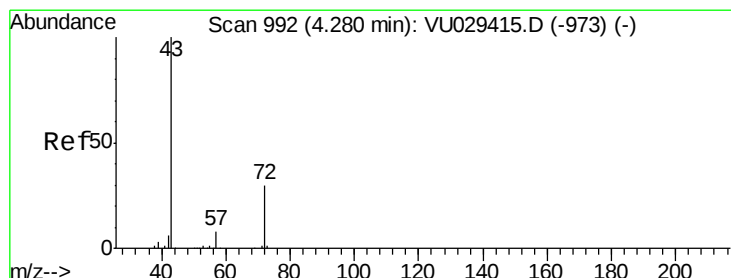
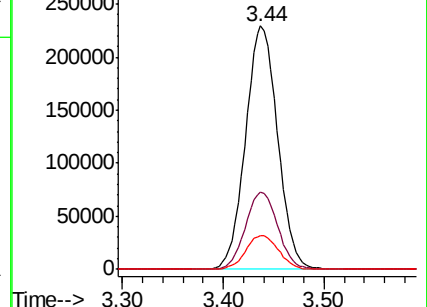
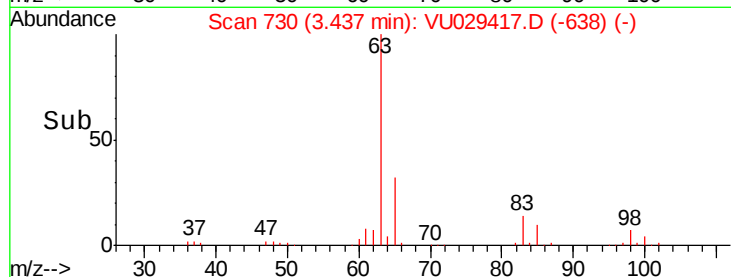
83 13.8 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 256.774 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU029417.D

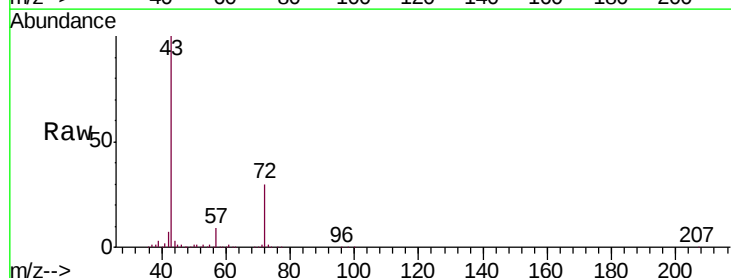
Acq: 12 Feb 2019 13:49

Tgt Ion: 43 Resp: 687890

Ion Ratio Lower Upper

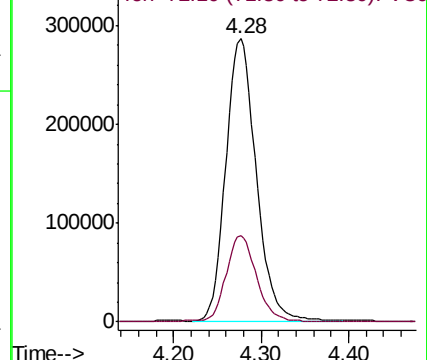
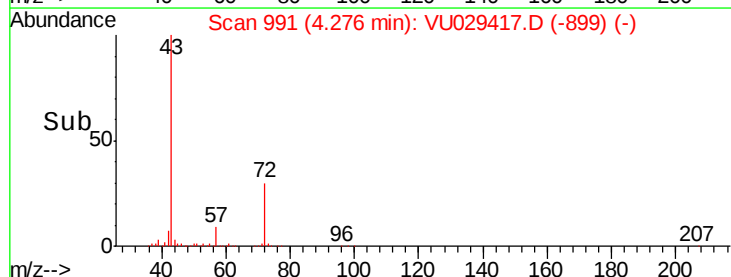
43 100

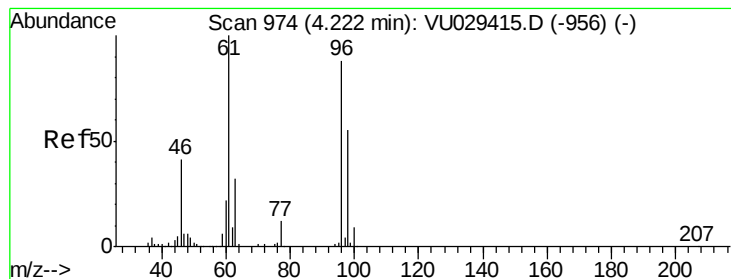
72 31.2 14.7 44.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



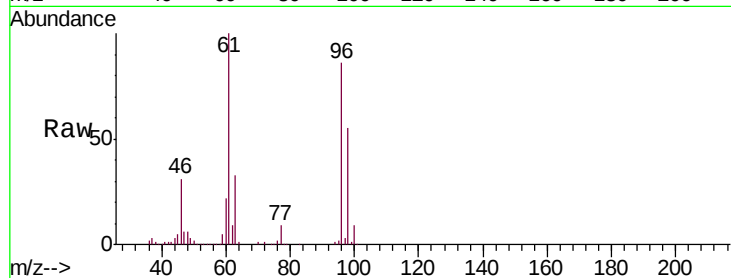


#22

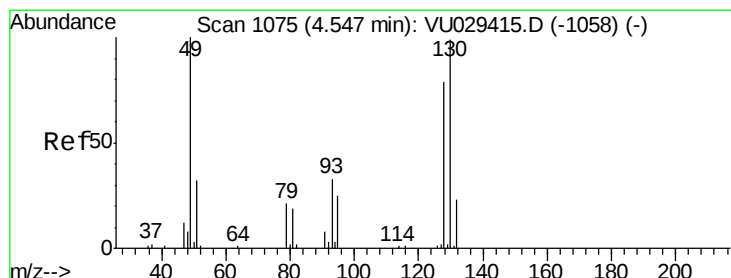
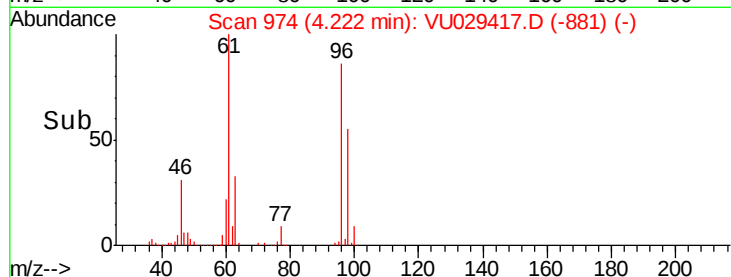
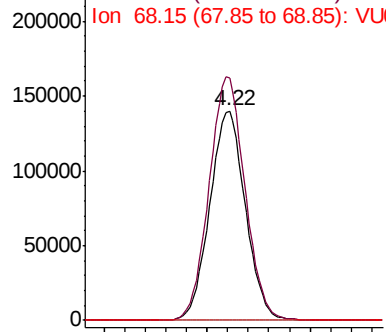
cis-1,2-Dichloroethene
Concen: 23.294 ug/L
RT: 4.22 min Scan# 974
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD02049

Tgt Ion: 96 Resp: 335762
Ion Ratio Lower Upper
96 100
61 115.9 79.9 148.5
68 0.0 0.0 0.0



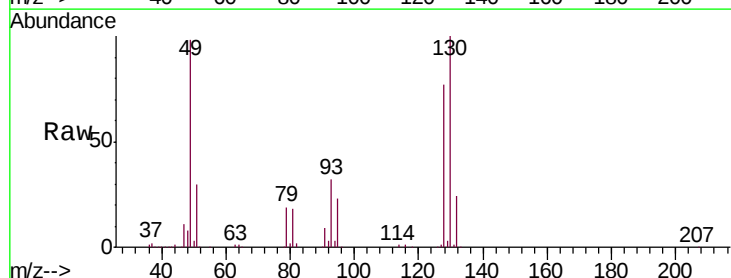
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



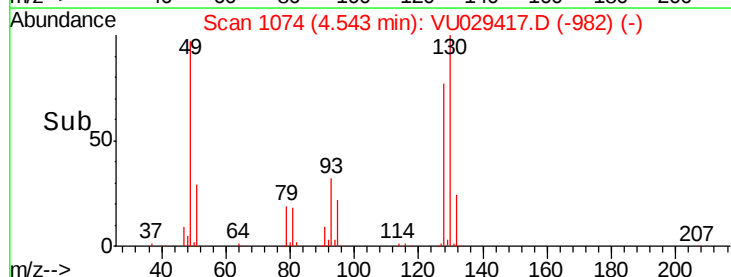
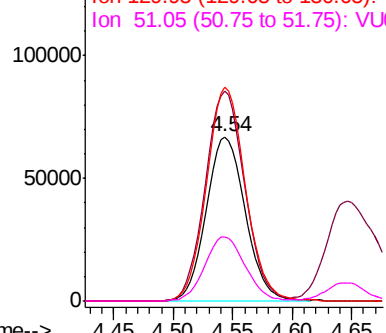
#23

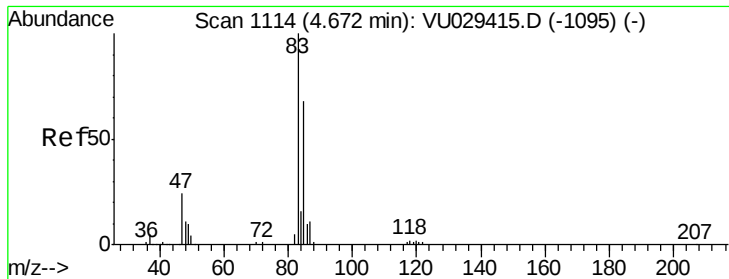
Bromochloromethane
Concen: 23.291 ug/L
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

Tgt Ion: 128 Resp: 152474
Ion Ratio Lower Upper
128 100
49 127.7 89.0 165.4
130 130.1 88.0 163.4
51 39.0 32.1 48.1



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: 22.955 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

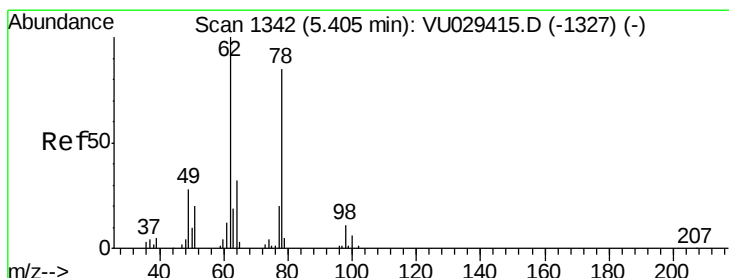
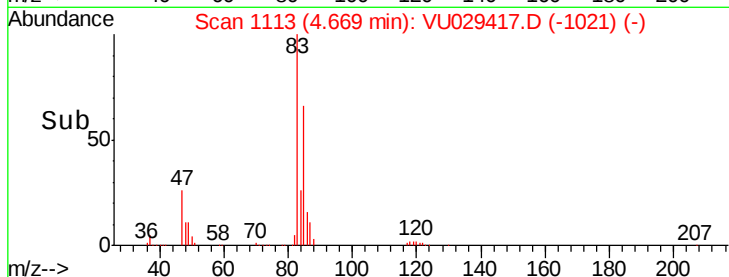
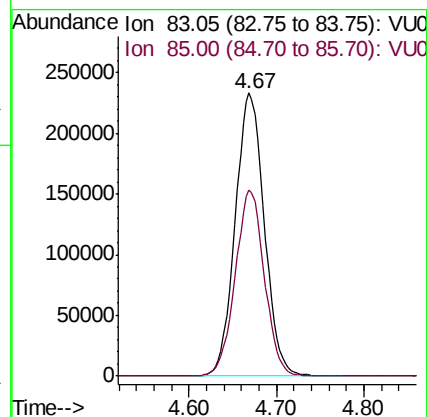
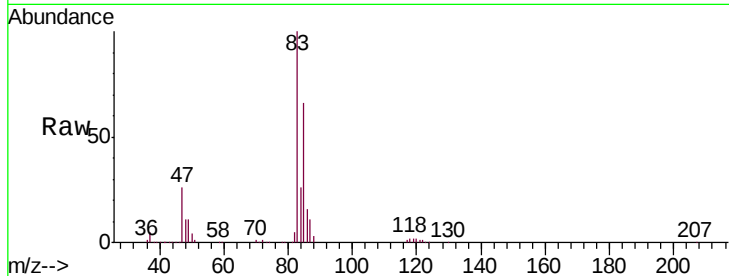
VSTD02049

Tgt Ion: 83 Resp: 537250

Ion Ratio Lower Upper

83 100

85 65.5 47.8 88.8



#27

1,2-Dichloroethane

Concen: 23.815 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029417.D

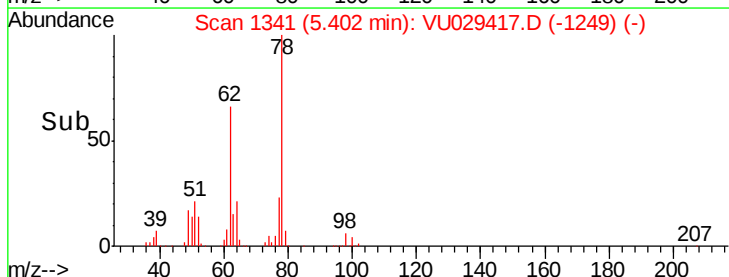
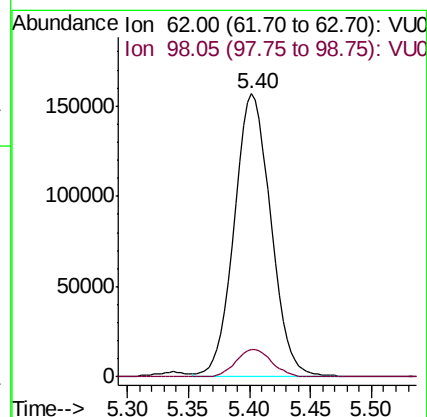
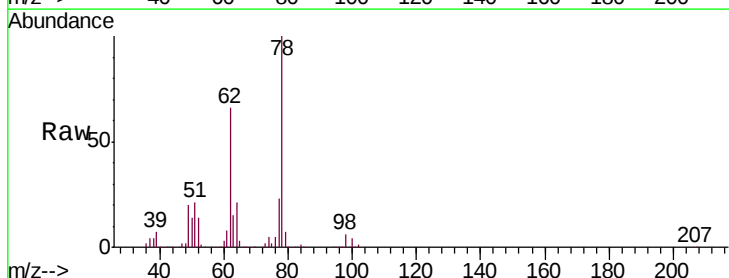
Acq: 12 Feb 2019 13:49

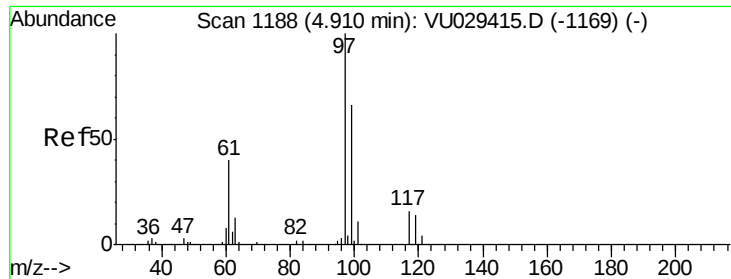
Tgt Ion: 62 Resp: 325558

Ion Ratio Lower Upper

62 100

98 9.8 8.4 12.6

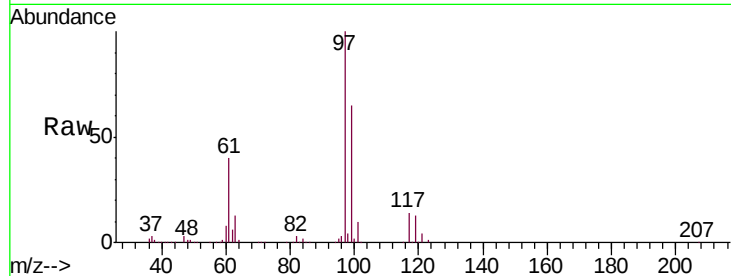




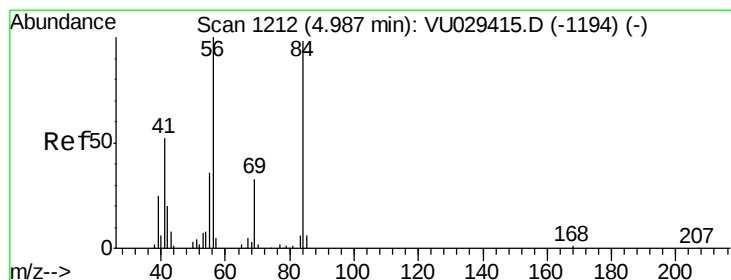
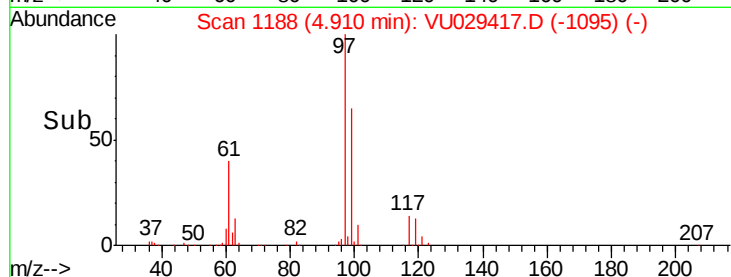
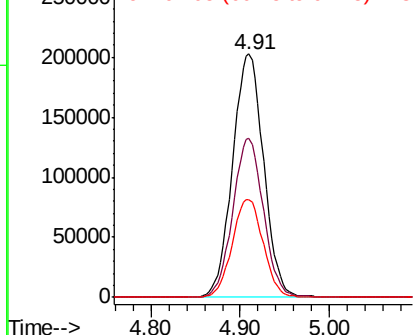
#29
 1,1,1-Trichloroethane
 Concen: 22.470 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD02049

Tgt Ion: 97 Resp: 490648
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.2 78.2
 61 40.1 32.0 48.0

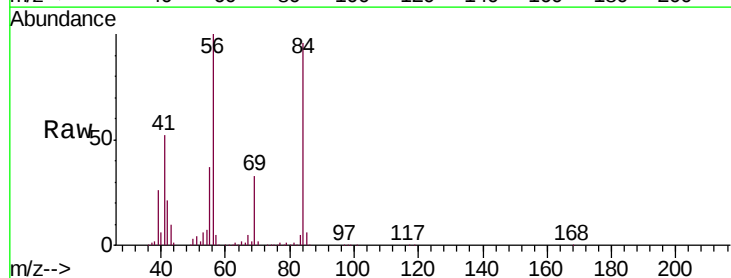


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

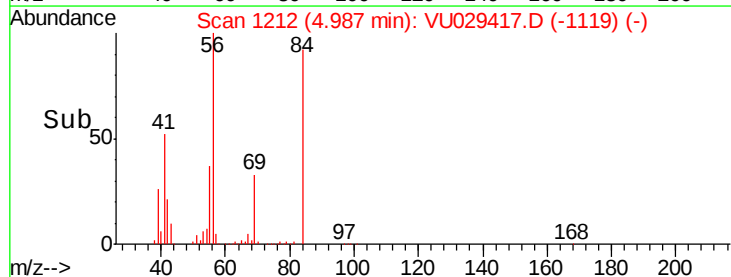
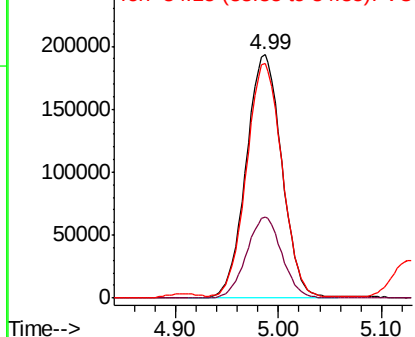


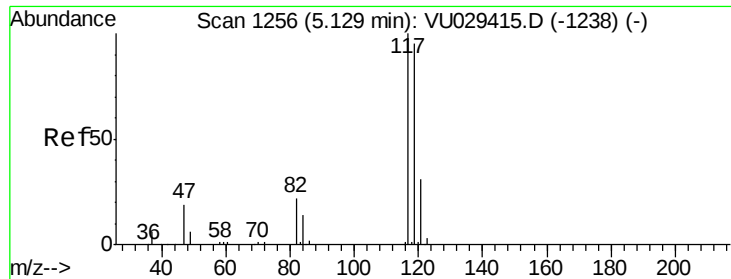
#30
 Cyclohexane
 Concen: 22.315 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Tgt Ion: 56 Resp: 464918
 Ion Ratio Lower Upper
 56 100
 69 32.9 25.8 38.6
 84 96.7 75.0 112.6



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

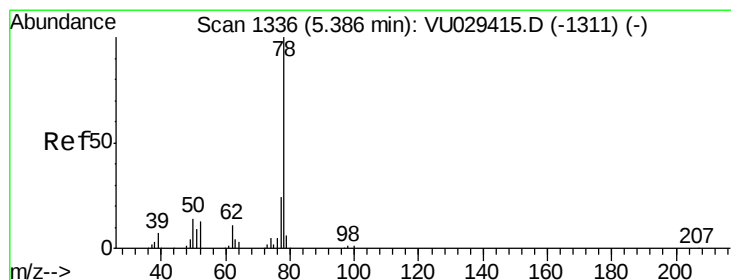
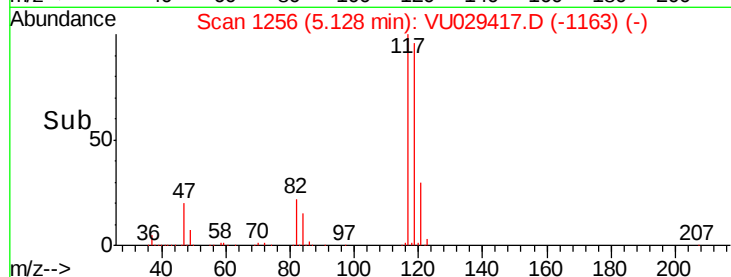
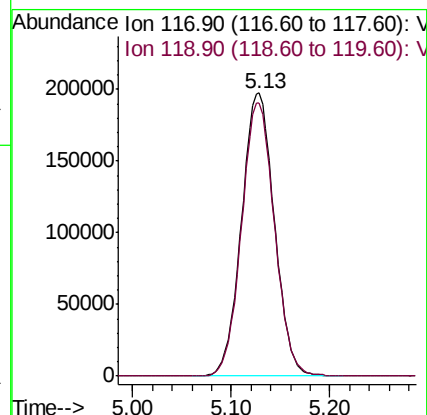
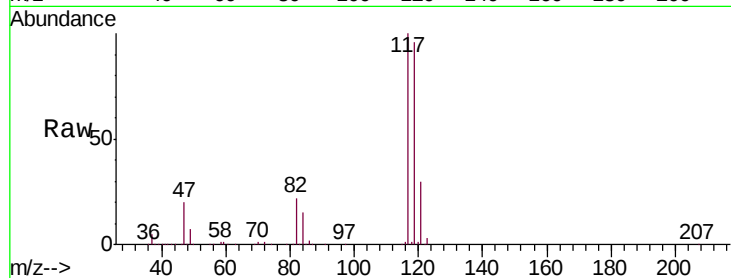




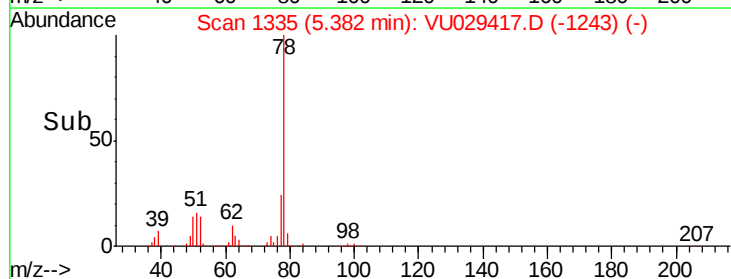
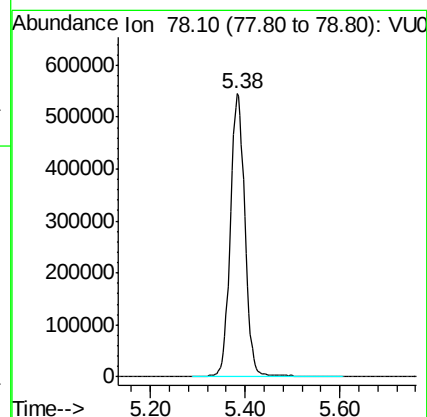
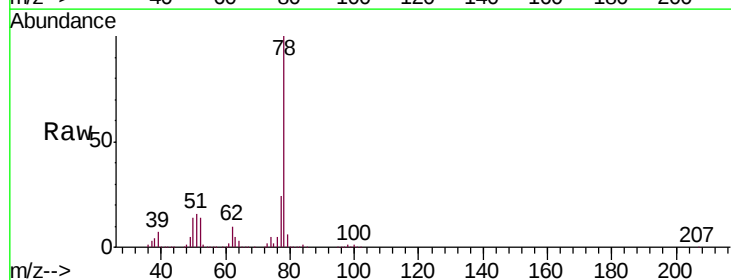
#31
Carbon tetrachloride
Concen: 22.743 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

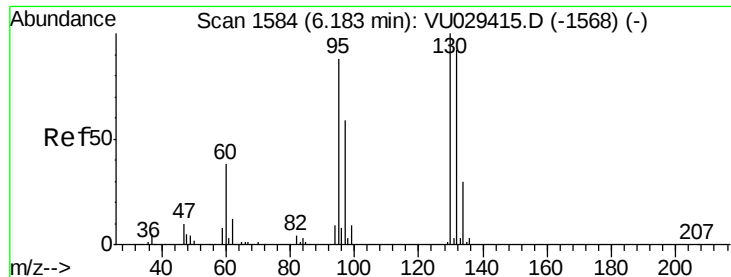
Instrument :
MSVOA_U
ClientSampleId :
VSTD02049

Tgt Ion:117 Resp: 454678
Ion Ratio Lower Upper
117 100
119 96.9 78.1 117.1



#33
Benzene
Concen: 22.981 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49
Tgt Ion: 78 Resp: 1165890

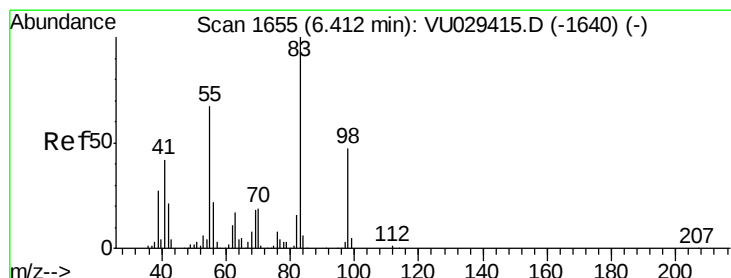
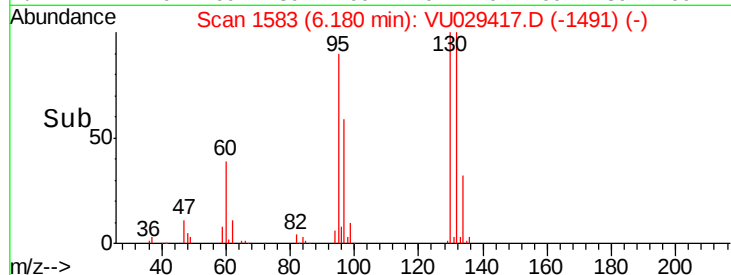
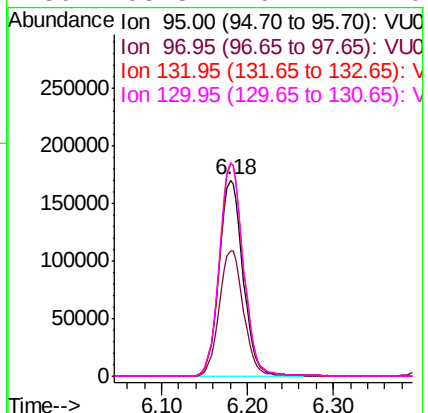
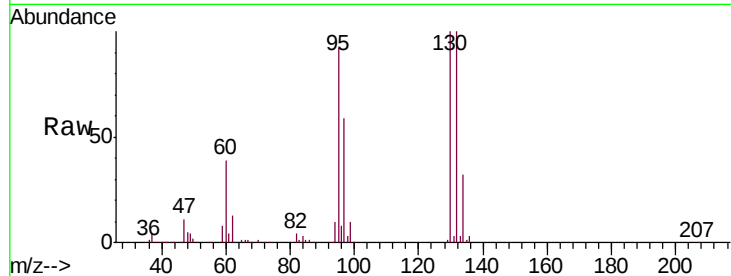




#34
 Trichloroethene
 Concen: 22.848 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

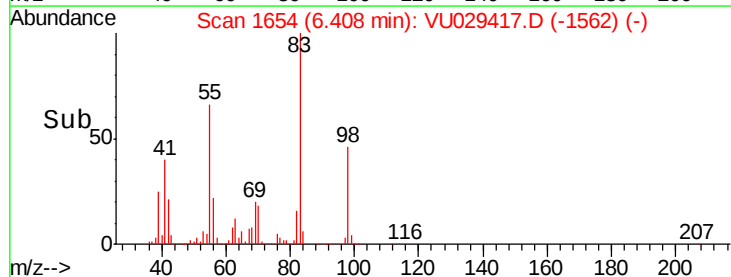
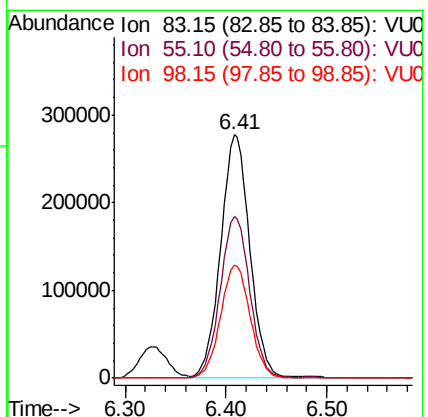
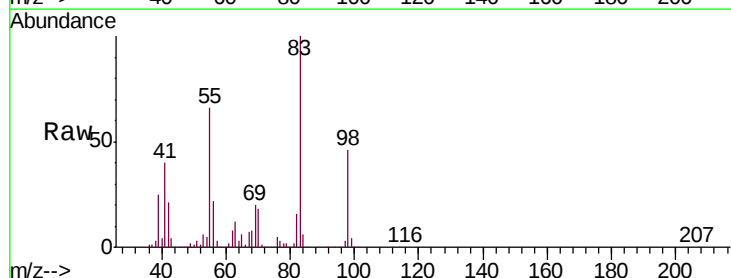
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02049

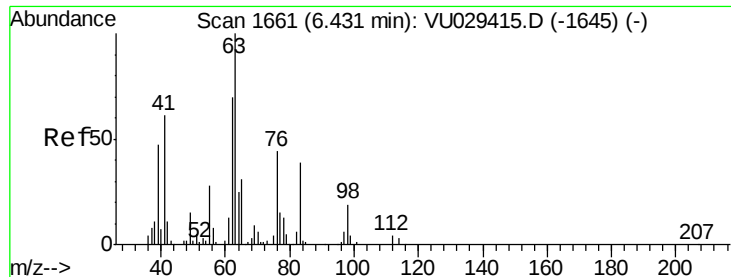
Tgt Ion: 95 Resp: 330070
 Ion Ratio Lower Upper
 95 100
 97 64.1 46.3 86.1
 132 108.6 72.9 135.3
 130 108.8 79.2 147.0



#35
 Methylcyclohexane
 Concen: 22.528 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Tgt Ion: 83 Resp: 556747
 Ion Ratio Lower Upper
 83 100
 55 67.5 55.9 83.9
 98 47.6 38.6 57.8





#37

1,2-Dichloropropane

Concen: 22.721 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

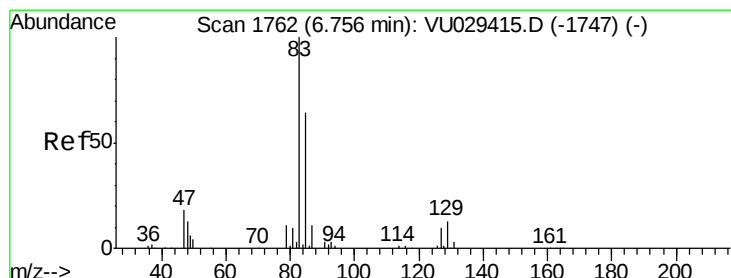
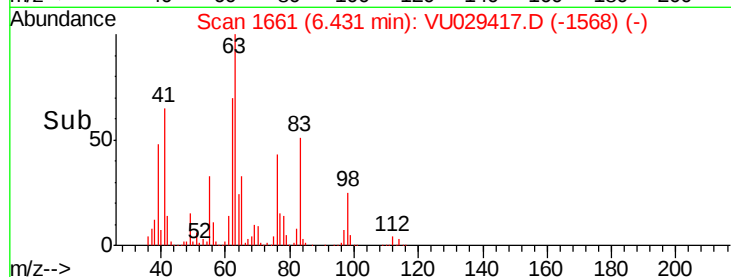
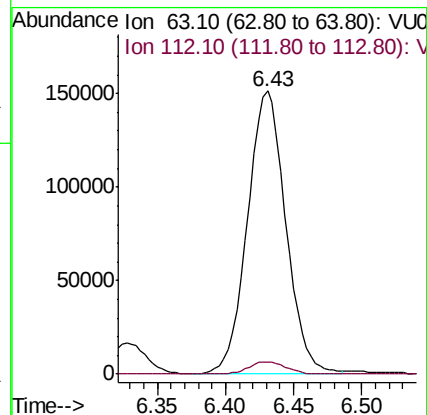
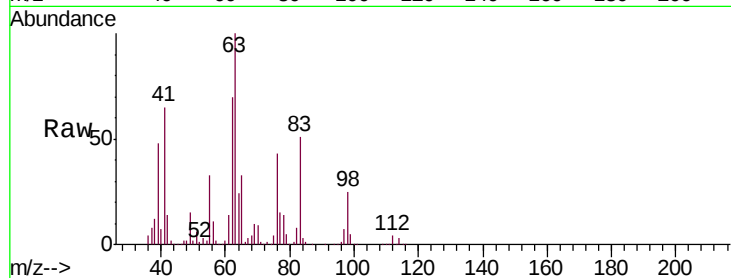
VSTD02049

Tgt Ion: 63 Resp: 293178

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 22.426 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

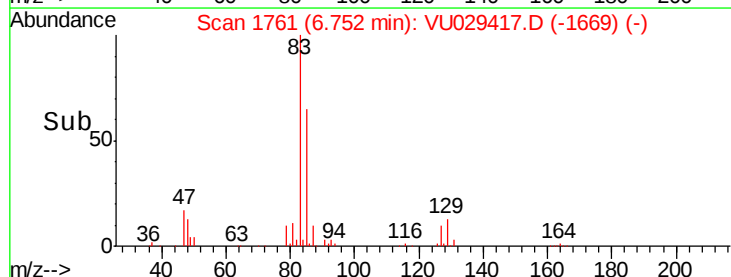
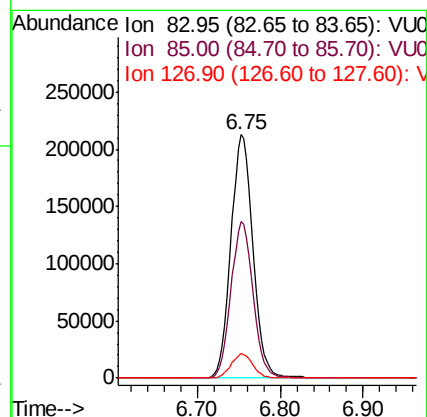
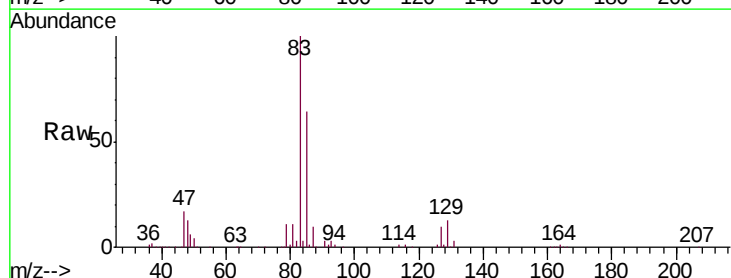
Tgt Ion: 83 Resp: 392320

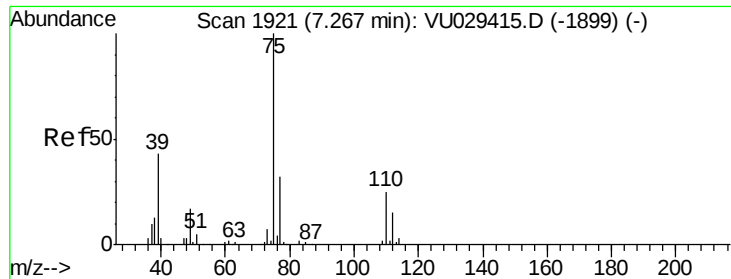
Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

127 9.9 7.8 11.8

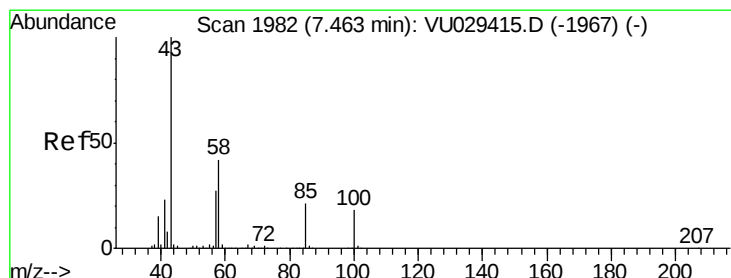
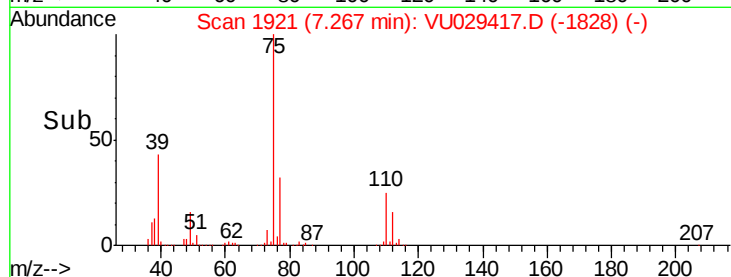
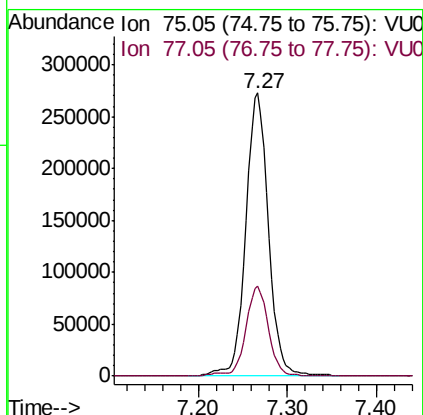
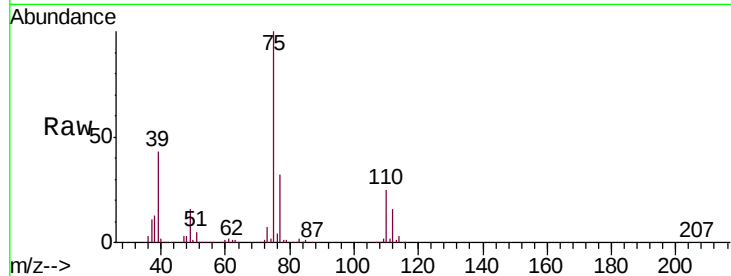




#39
 cis-1,3-Dichloropropene
 Concen: 23.362 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

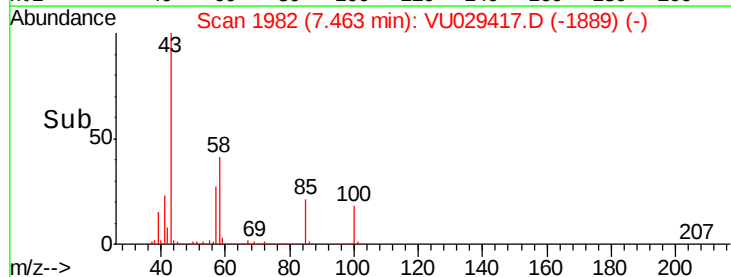
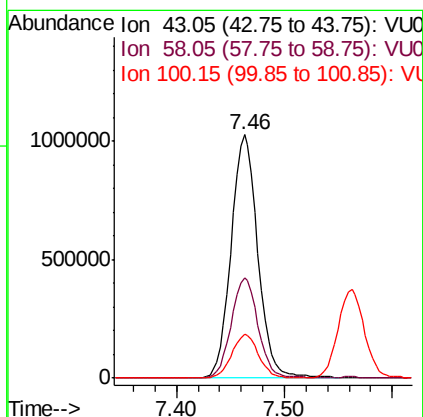
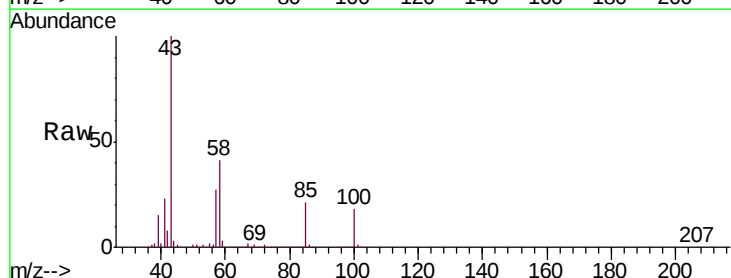
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02049

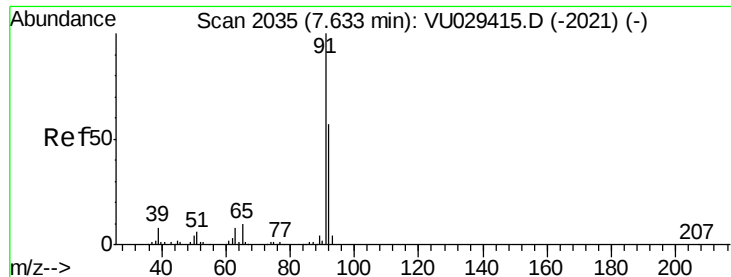
Tgt Ion: 75 Resp: 483801
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 243.043 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Tgt Ion: 43 Resp: 1763231
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.4 50.2
 100 18.0 14.4 21.6





#42

Toluene

Concen: 23.407 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

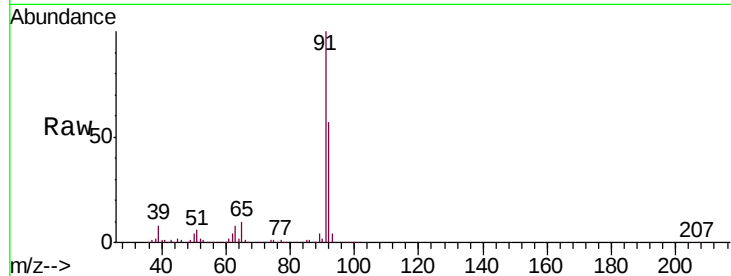
VSTD02049

Tgt Ion: 91 Resp: 1354737

Ion Ratio Lower Upper

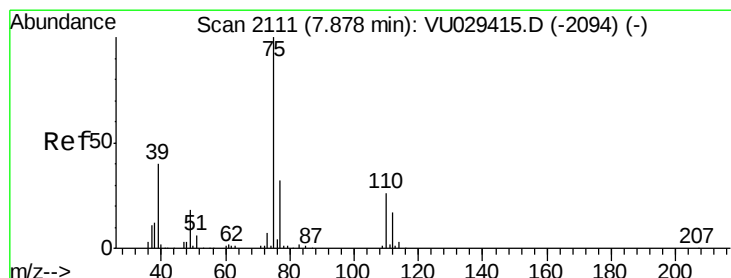
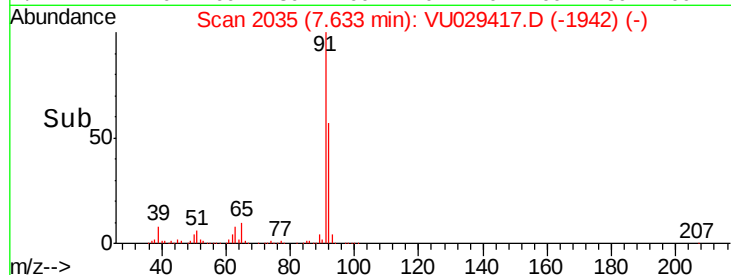
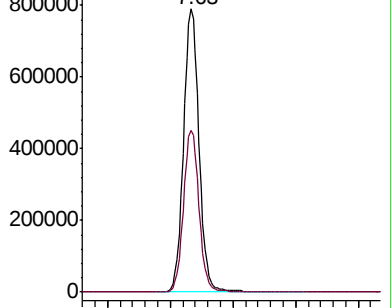
91 100

92 57.3 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 23.310 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029417.D

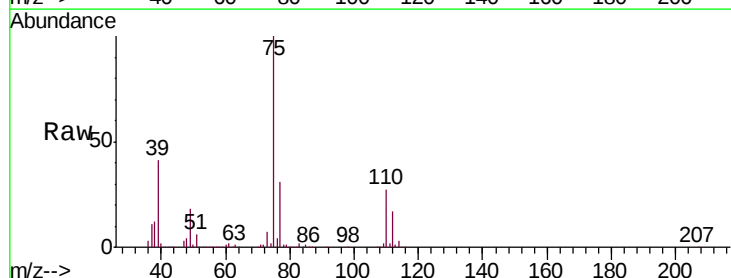
Acq: 12 Feb 2019 13:49

Tgt Ion: 75 Resp: 400223

Ion Ratio Lower Upper

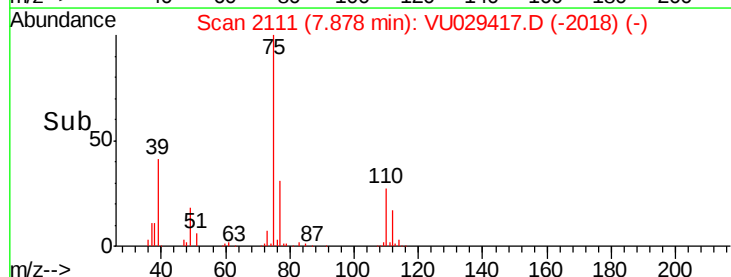
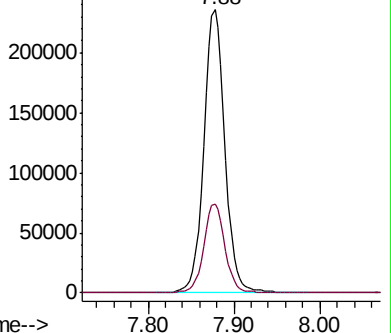
75 100

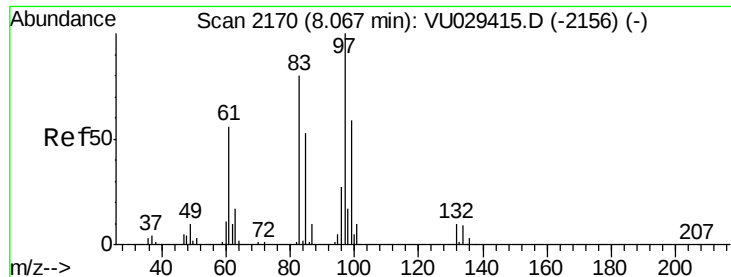
77 31.2 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

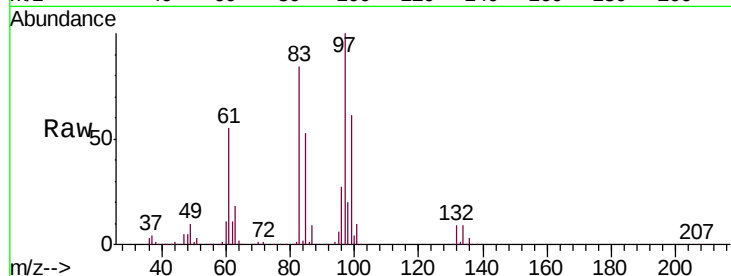




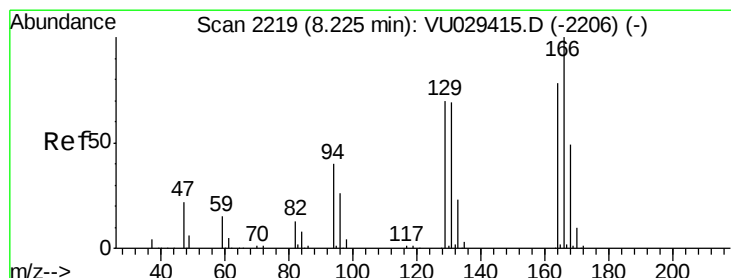
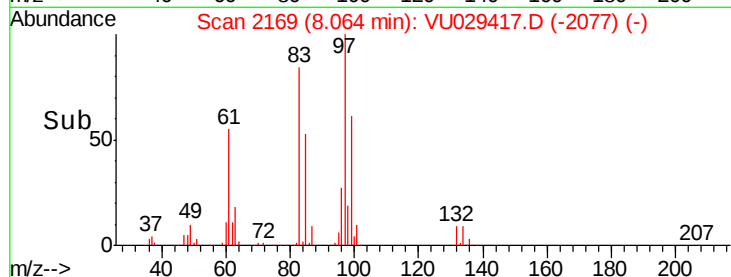
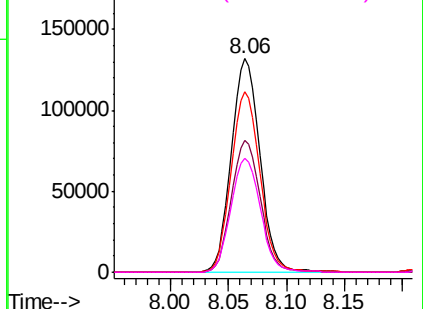
#45
 1,1,2-Trichloroethane
 Concen: 22.560 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02049

Tgt Ion:	97	Resp:	225749
Ion	Ratio	Lower	Upper
97	100		
99	61.5	41.6	77.2
83	84.3	55.8	103.6
85	53.3	37.2	69.0

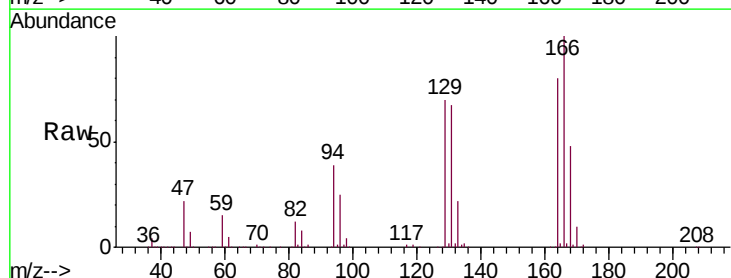


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

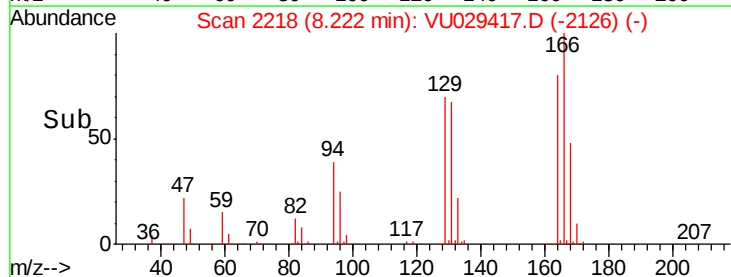
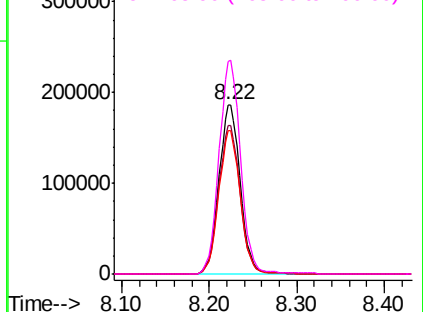


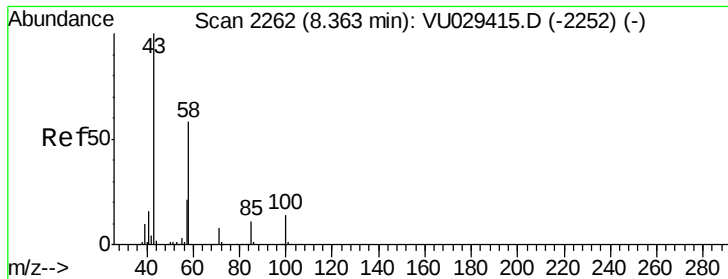
#47
 Tetrachloroethene
 Concen: 23.501 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Tgt Ion:	164	Resp:	315335
Ion	Ratio	Lower	Upper
164	100		
129	87.6	62.9	116.9
131	84.7	62.1	115.3
166	125.5	89.8	166.8



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



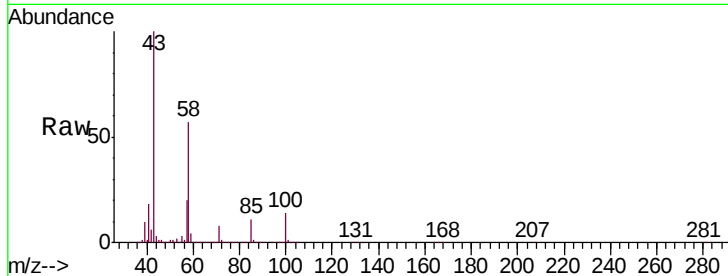


#48
2-Hexanone
Concen: 257.429 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

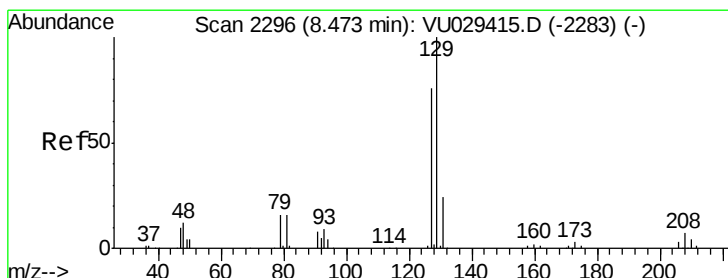
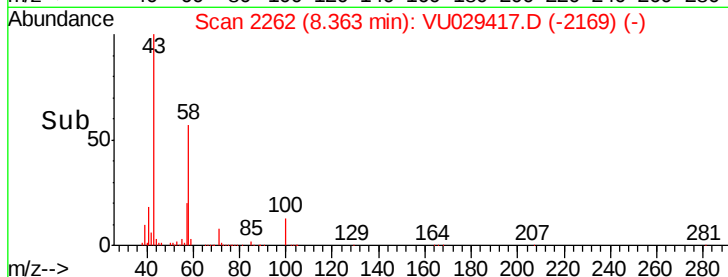
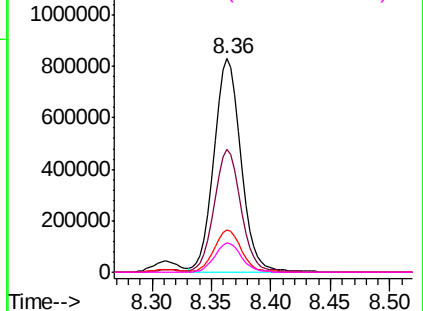
Instrument :
MSVOA_U
ClientSampleId :
VSTD02049

Tgt Ion: 43 Resp: 1302728

Ion	Ratio	Lower	Upper
43	100		
58	57.4	45.7	68.5
57	20.0	16.4	24.6
100	13.8	11.1	16.7



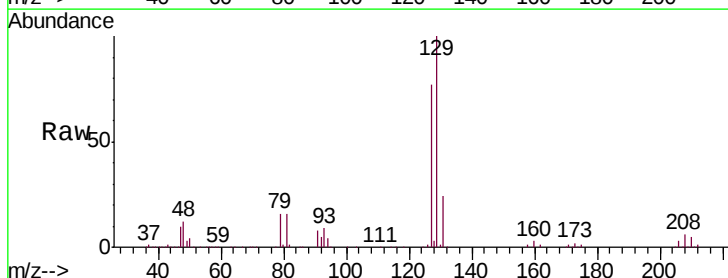
Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0



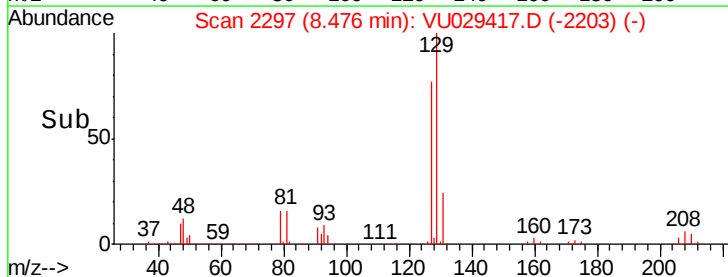
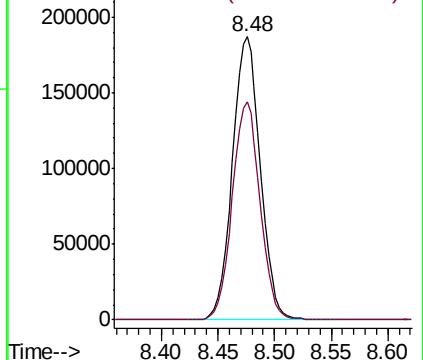
#49
Dibromochloromethane
Concen: 23.587 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

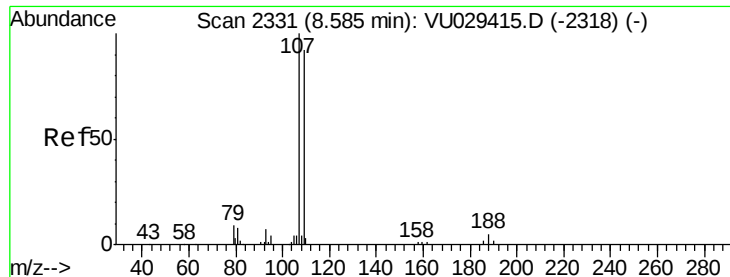
Tgt Ion: 129 Resp: 320997

Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.3	99.1



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

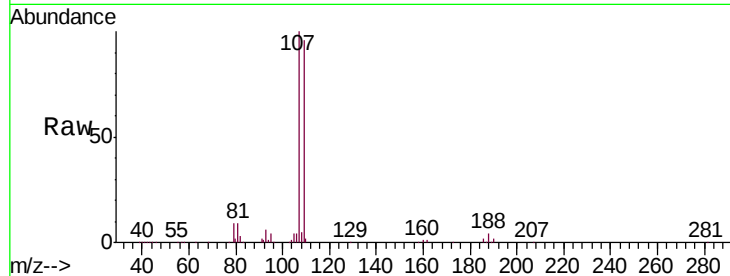




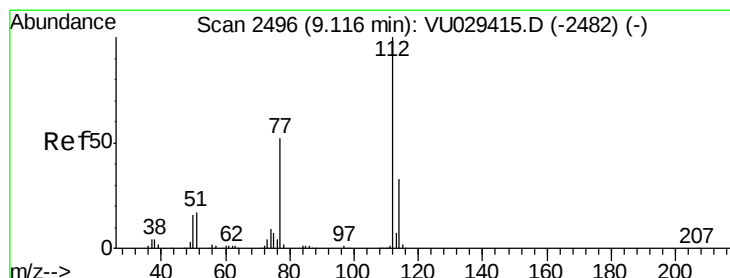
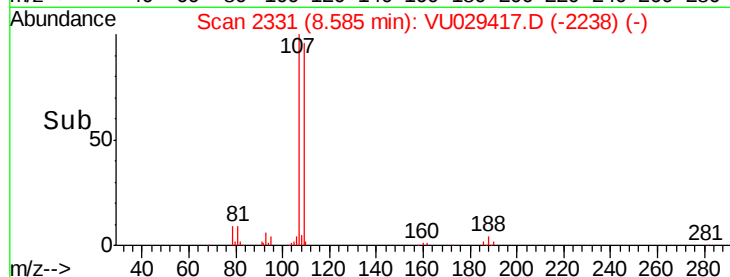
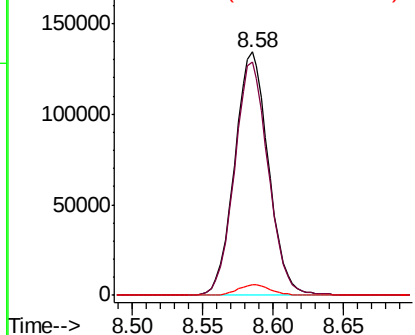
#50
1,2-Dibromoethane
Concen: 23.231 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD02049

Tgt Ion:107 Resp: 225838
Ion Ratio Lower Upper
107 100
109 96.0 64.1 119.1
188 4.2 3.7 5.5

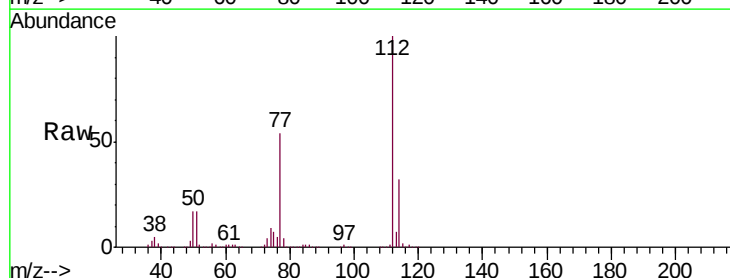


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

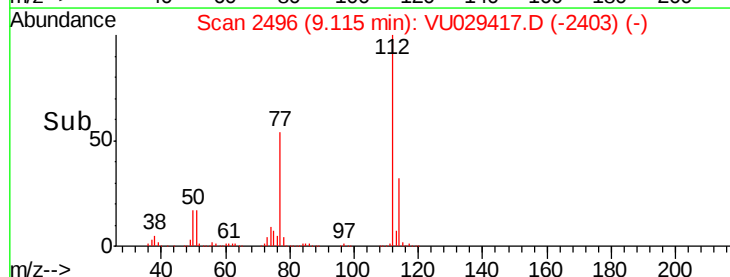
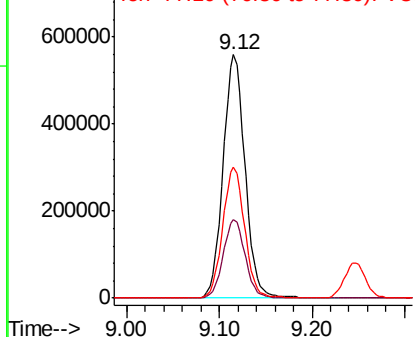


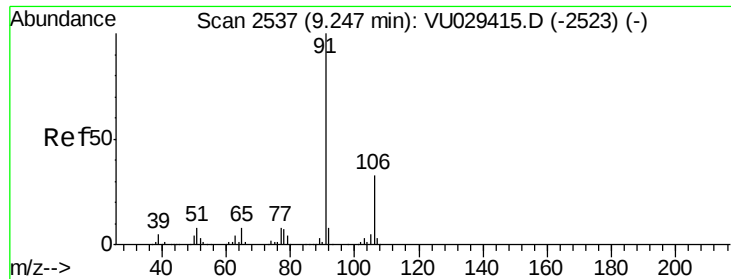
#51
Chlorobenzene
Concen: 23.012 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029417.D
Acq: 12 Feb 2019 13:49

Tgt Ion:112 Resp: 917464
Ion Ratio Lower Upper
112 100
114 32.3 22.9 42.5
77 53.8 41.8 62.6



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: 23.610 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

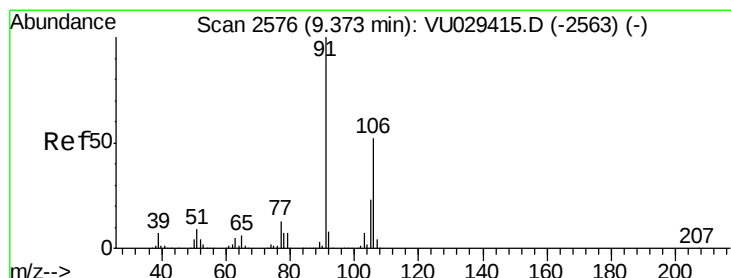
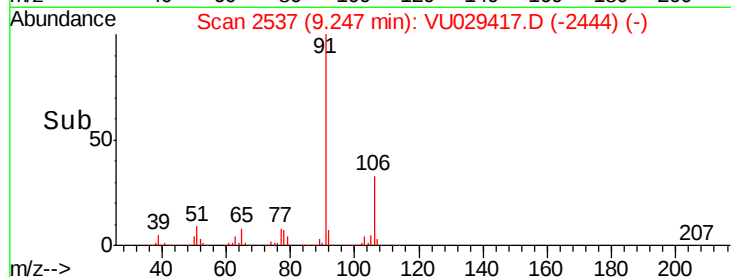
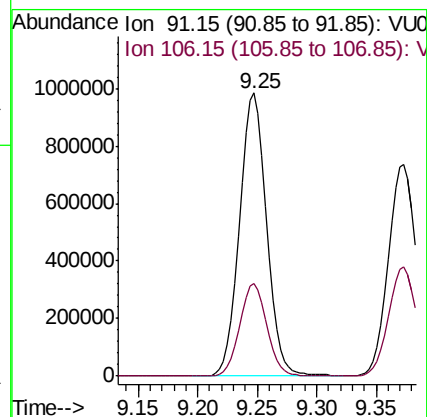
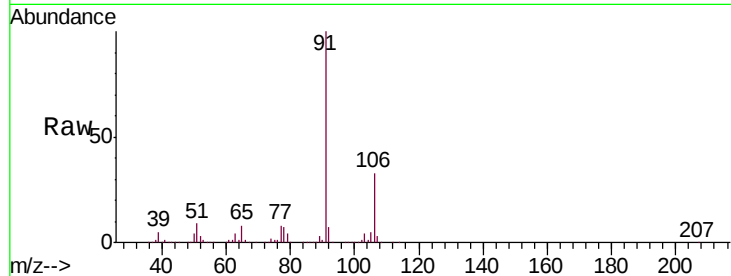
VSTD02049

Tgt Ion: 91 Resp: 1552366

Ion Ratio Lower Upper

91 100

106 32.8 22.8 42.4



#53

m,p-xylene

Concen: 23.974 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029417.D

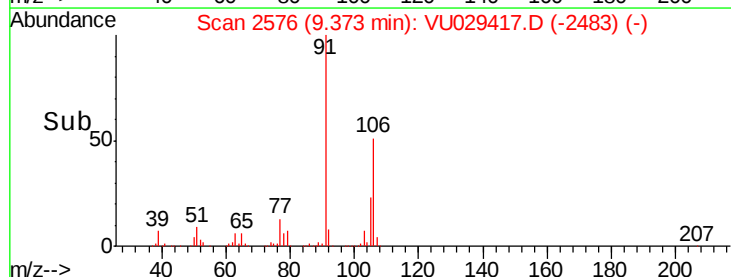
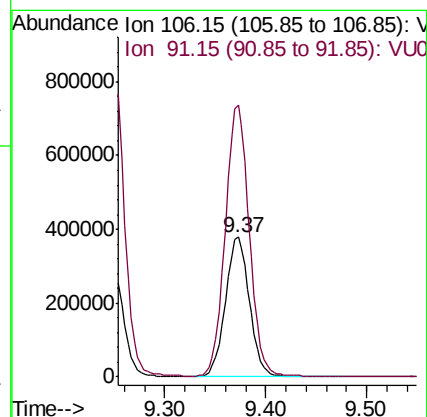
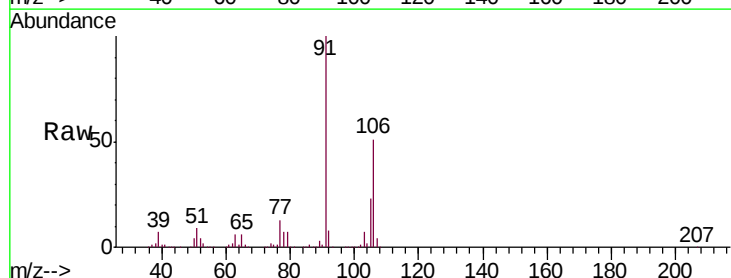
Acq: 12 Feb 2019 13:49

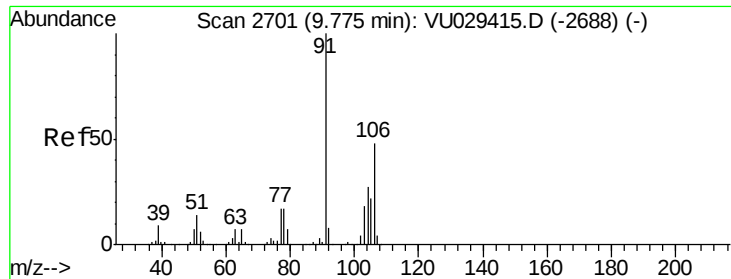
Tgt Ion: 106 Resp: 628410

Ion Ratio Lower Upper

106 100

91 194.4 135.7 251.9





#54

o-xylene

Concen: 24.257 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

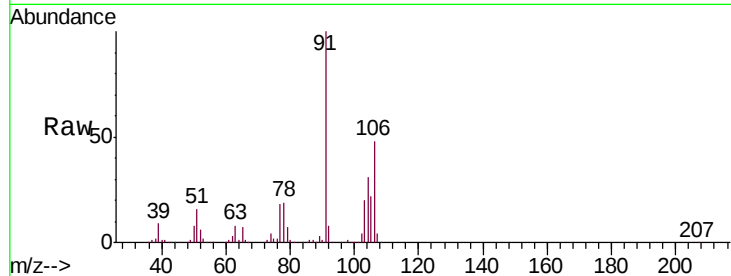
VSTD02049

Tgt Ion:106 Resp: 620386

Ion Ratio Lower Upper

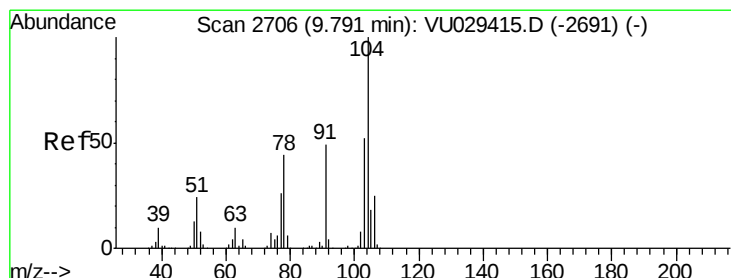
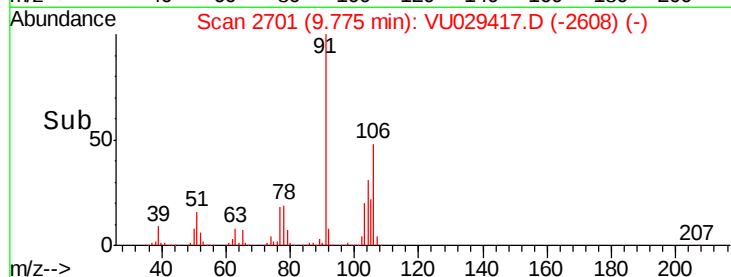
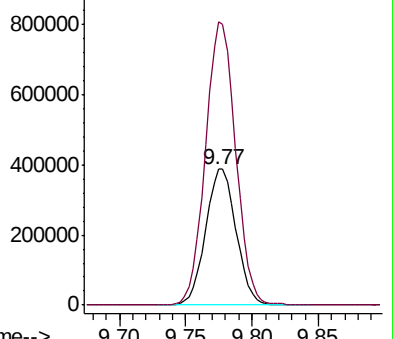
106 100

91 208.6 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 25.293 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029417.D

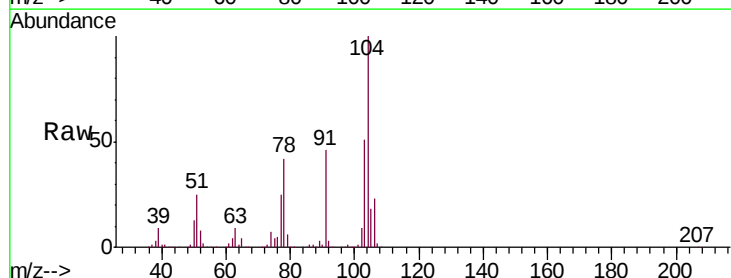
Acq: 12 Feb 2019 13:49

Tgt Ion:104 Resp: 1072902

Ion Ratio Lower Upper

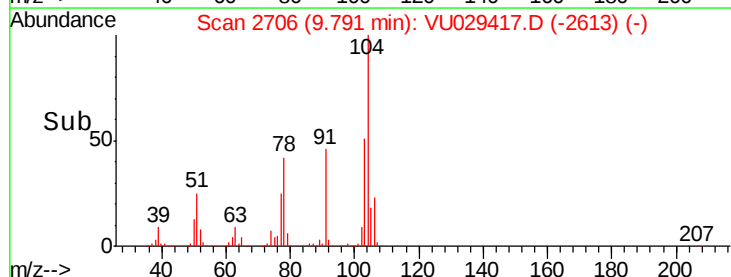
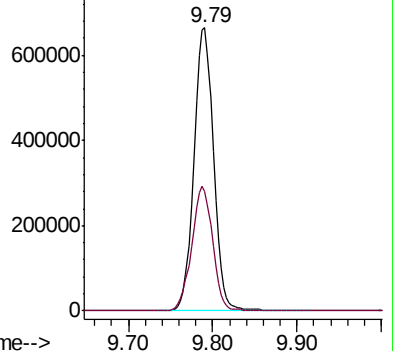
104 100

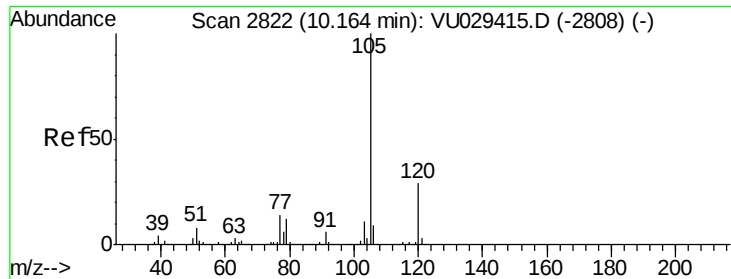
78 42.3 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 24.445 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD02049

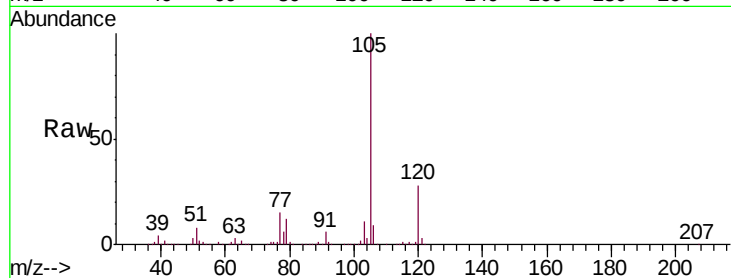
Tgt Ion:105 Resp: 1655372

Ion Ratio Lower Upper

105 100

120 27.8 22.2 33.4

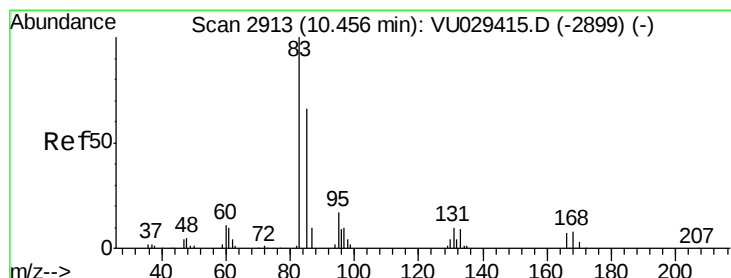
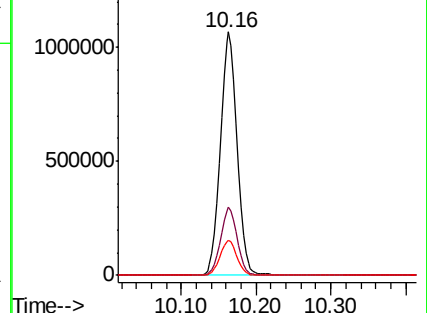
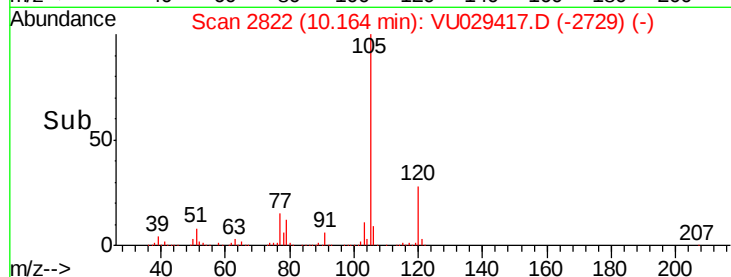
77 14.7 11.5 17.3



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: 23.545 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

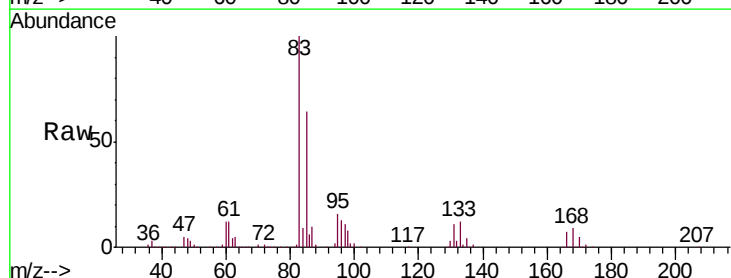
Tgt Ion: 83 Resp: 288480

Ion Ratio Lower Upper

83 100

85 64.5 46.5 86.3

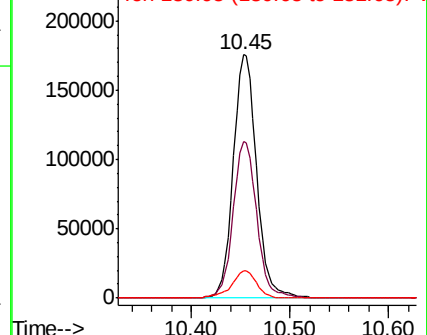
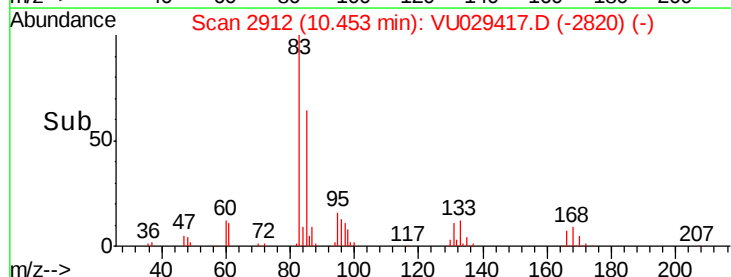
131 11.3 8.3 12.5

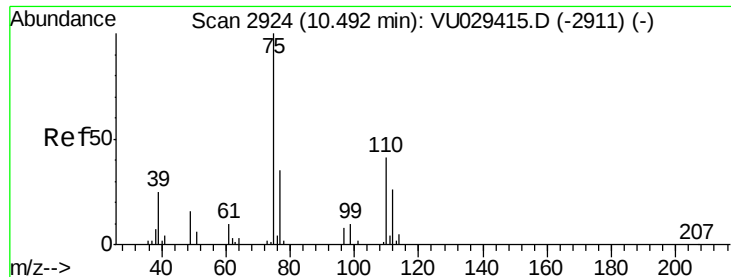


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

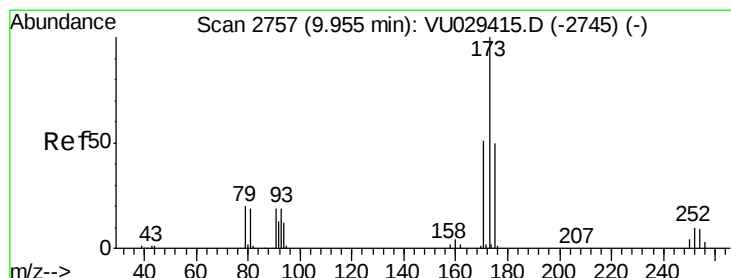
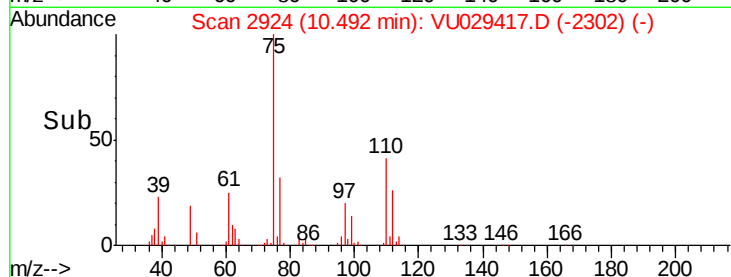
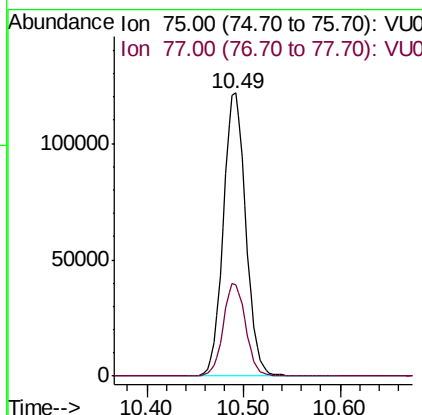
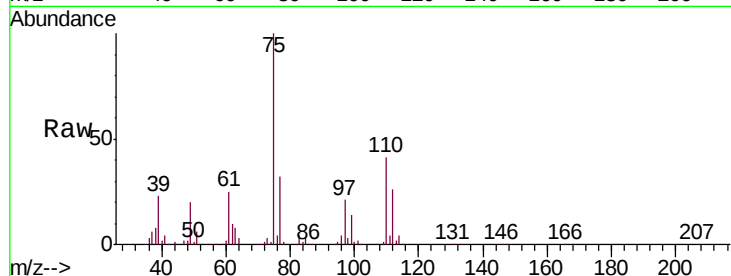




#59
 1,2,3-Trichloropropane
 Concen: 24.118 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

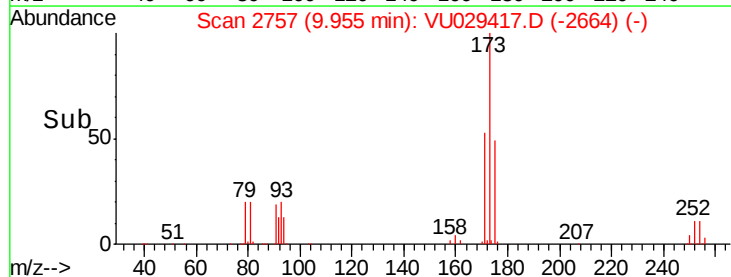
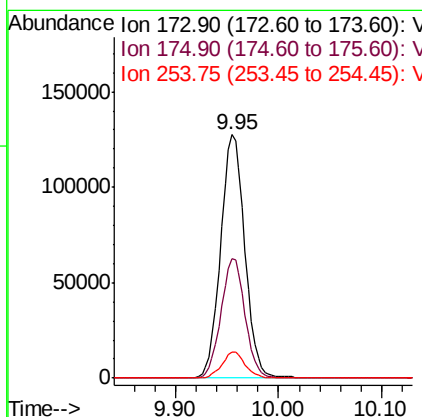
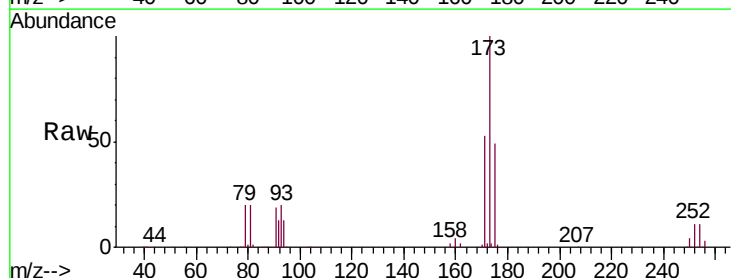
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02049

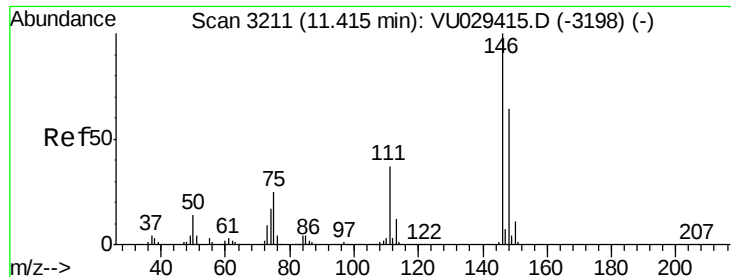
Tgt Ion: 75 Resp: 196836
 Ion Ratio Lower Upper
 75 100
 77 32.8 28.2 42.2



#61
 Bromoform
 Concen: 22.929 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Tgt Ion: 173 Resp: 207351
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.2 58.8
 254 10.4 7.8 11.6

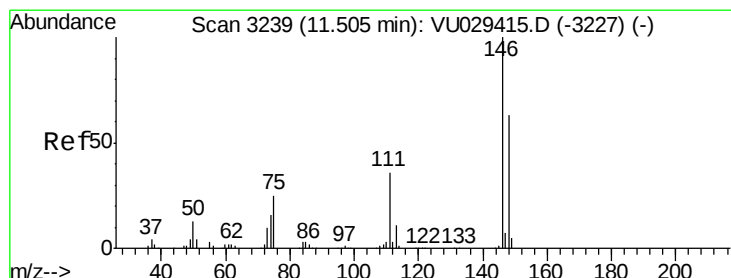
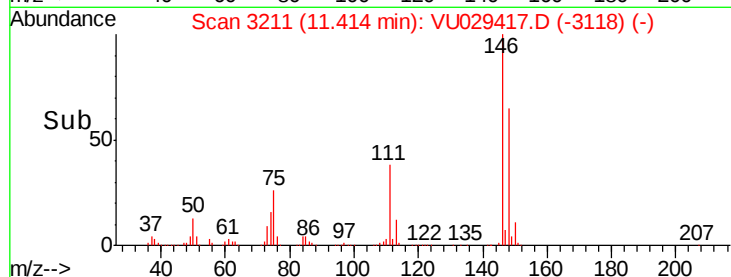
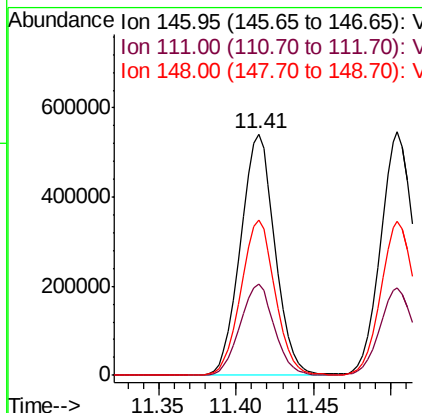
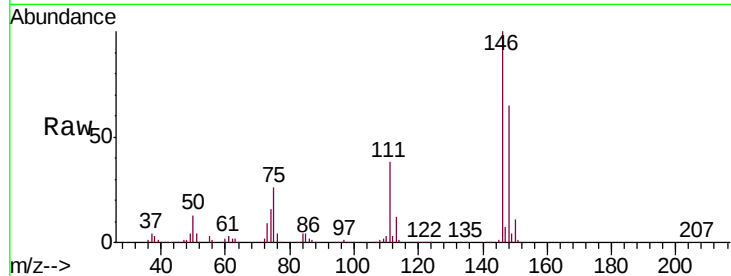




#62
 1,3-Dichlorobenzene
 Concen: 23.346 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

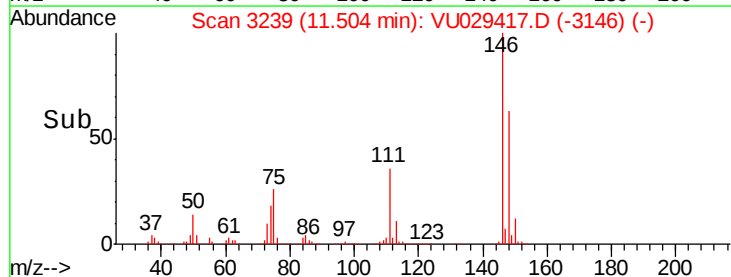
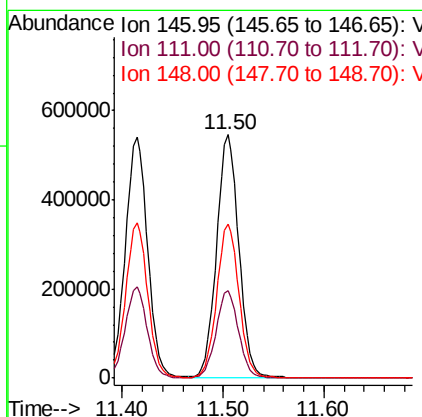
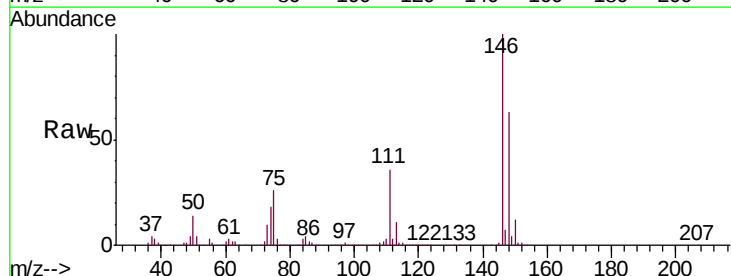
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02049

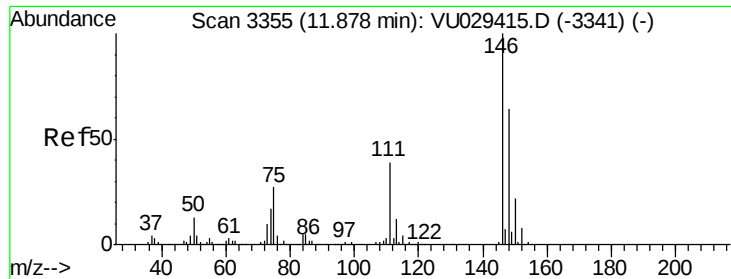
Tgt Ion:146 Resp: 836746
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.1 48.5
 148 64.5 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 23.214 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Tgt Ion:146 Resp: 844464
 Ion Ratio Lower Upper
 146 100
 111 36.0 25.6 47.6
 148 63.5 44.2 82.0

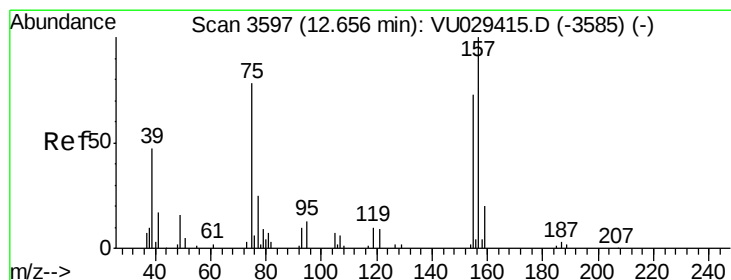
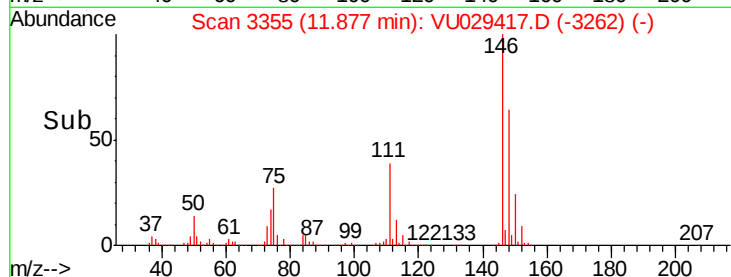
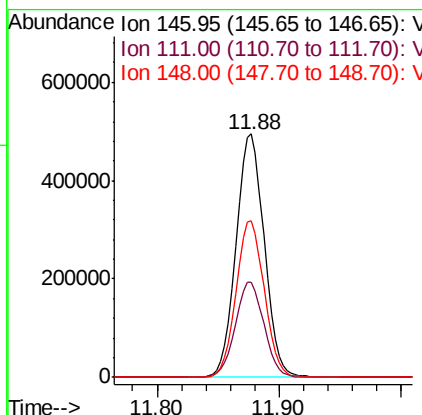
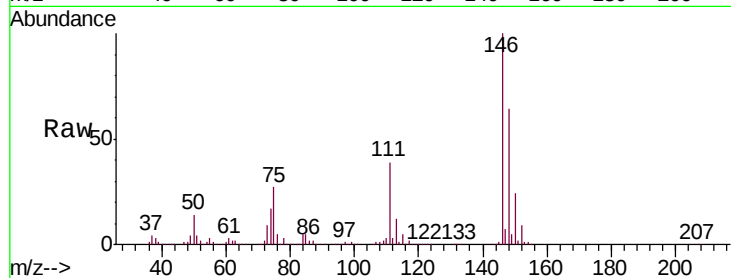




#65
 1,2-Dichlorobenzene
 Concen: 23.541 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

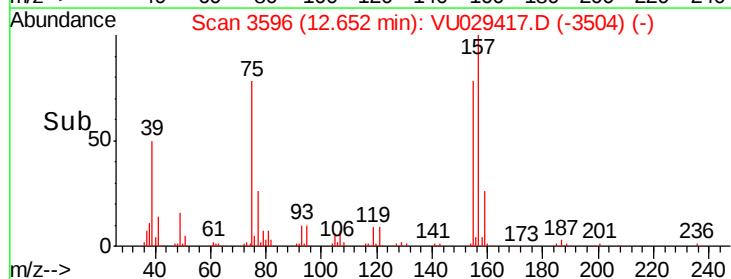
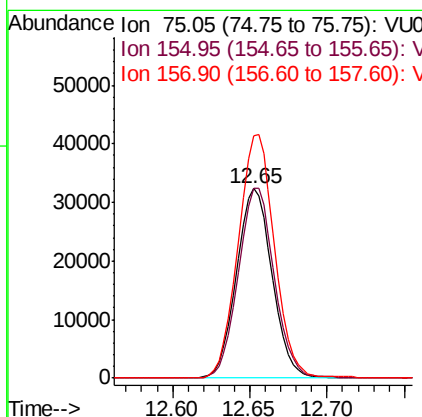
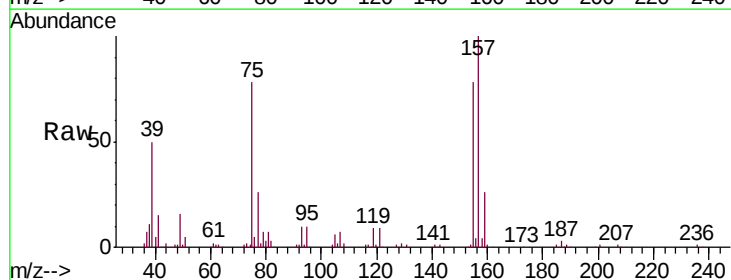
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02049

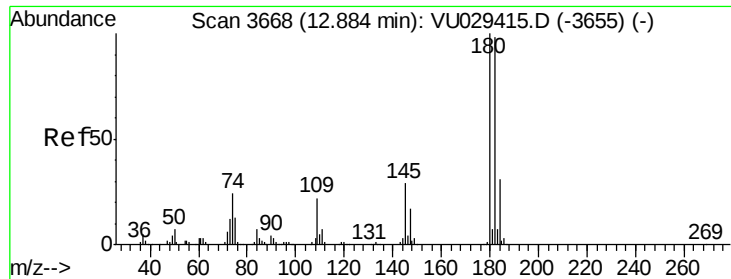
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	30.9	46.3
148	64.2	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.182 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	75.3	112.9
157	128.1	103.0	154.4

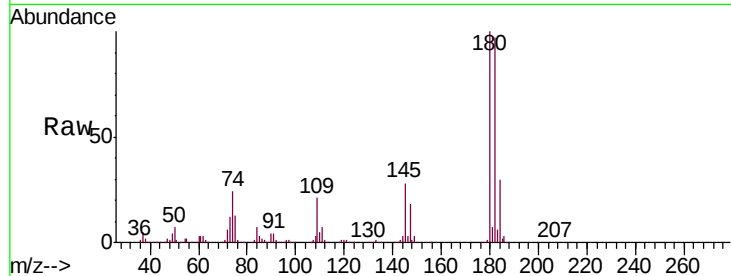




#67
 1,3,5-Trichlorobenzene
 Concen: 24.188 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02049

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.0	114.0
184	30.4	24.1	36.1
145	27.9	22.6	34.0



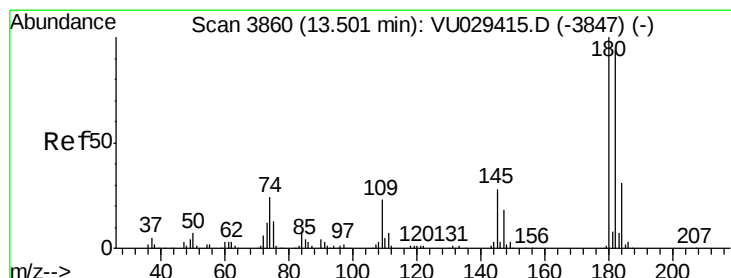
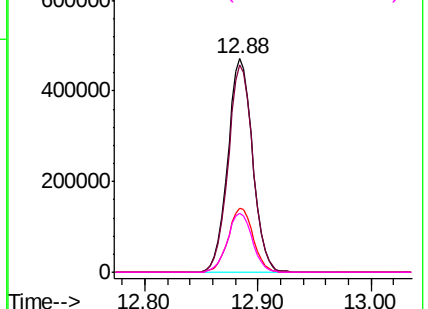
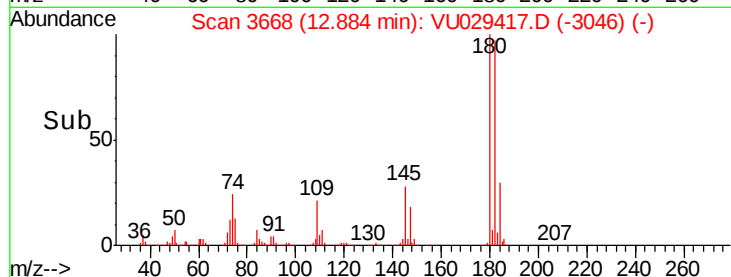
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

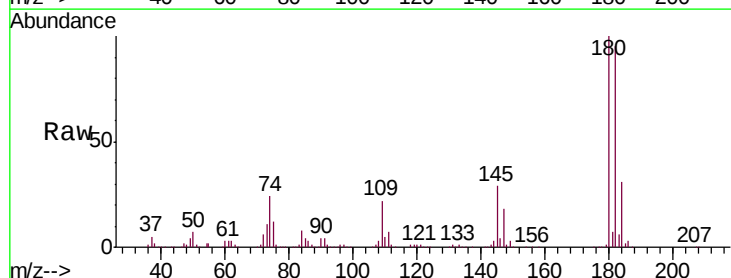
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.780 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029417.D
 Acq: 12 Feb 2019 13:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.1	115.7
145	28.8	23.1	34.7

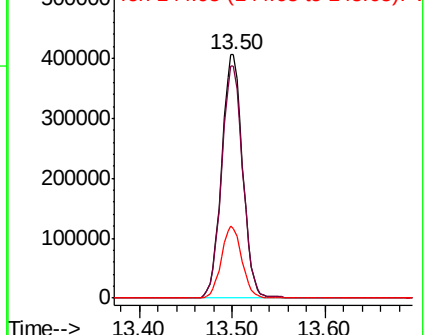
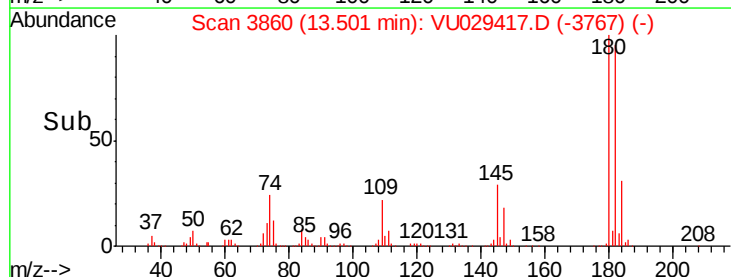


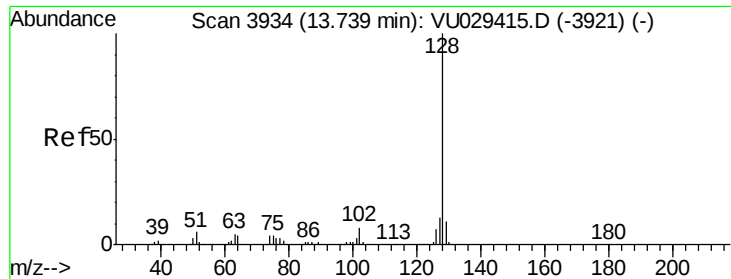
Abundance

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: 26.910 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD02049

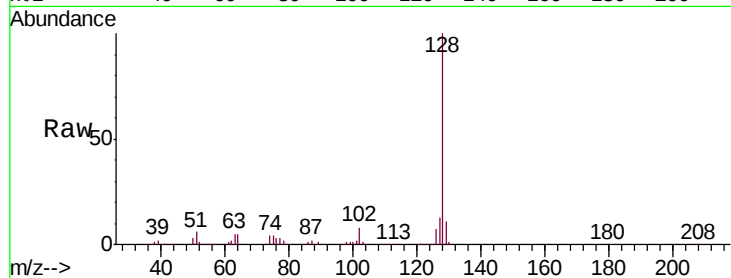
Tgt Ion:128 Resp: 1082596

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

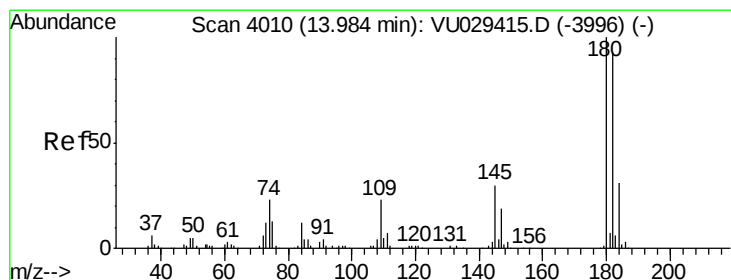
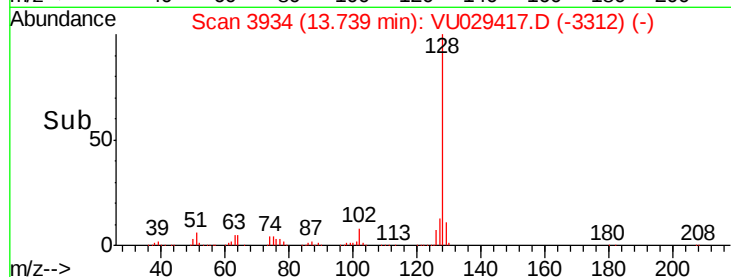
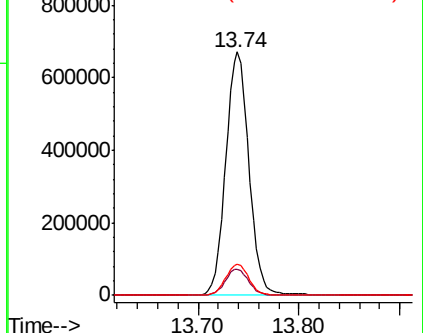
127 12.9 10.3 15.5



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: 24.706 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029417.D

Acq: 12 Feb 2019 13:49

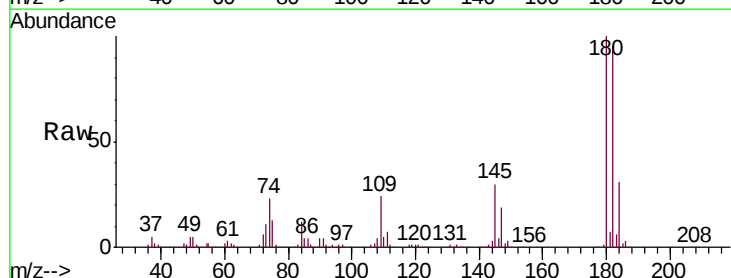
Tgt Ion:180 Resp: 577374

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 30.3 23.8 35.6



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

