

Data File : VU034616.D
Acq On : 17 Sep 2019 15:27
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Quant Time: Sep 18 04:35:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 18 04:30:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	237488	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	221689	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	100655	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	47022	41.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.08%
7) Chloroethane-d5	1.67	69	44445	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.88%
11) 1,1-Dichloroethene-d2	2.26	63	114164	48.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.40%
21) 2-Butanone-d5	4.15	46	142920	110.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.62%
24) Chloroform-d	4.62	84	130365	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.24%
26) 1,2-Dichloroethane-d4	5.29	65	85002	53.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.10%
32) Benzene-d6	5.32	84	239513	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.26%
36) 1,2-Dichloropropane-d6	6.31	67	90947	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.24%
41) Toluene-d8	7.54	98	230508	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%
43) trans-1,3-Dichloropropene-	7.83	79	43204	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.82%
47) 2-Hexanone-d5	8.29	63	100197	101.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.79%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	147201	51.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.84%
64) 1,2-Dichlorobenzene-d4	11.84	152	88140	49.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.18%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	85344	58.328 ug/L	99
3) Chloromethane	1.32	50	82060	54.953 ug/L	99
5) Vinyl chloride	1.40	62	82407	56.210 ug/L	95
6) Bromomethane	1.62	94	38335	50.021 ug/L	96
8) Chloroethane	1.69	64	51933	61.824 ug/L	98
9) Trichlorofluoromethane	1.87	101	117254	56.521 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	68599	55.495 ug/L	95
12) 1,1-Dichloroethene	2.27	96	58947	52.223 ug/L	90
13) Acetone	2.31	43	140423	120.943 ug/L	99
14) Carbon disulfide	2.46	76	146556	52.889 ug/L	100
15) Methyl Acetate	2.60	43	111789	58.827 ug/L	96
16) Methylene chloride	2.68	84	82611	55.378 ug/L	100
17) trans-1,2-Dichloroethene	2.96	96	64681	53.543 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	281944	56.373 ug/L	98
19) 1,1-Dichloroethane	3.42	63	159330	58.583 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	84950	54.299 ug/L	95
22) 2-Butanone	4.23	43	187722	127.093 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	38492	52.114	ug/L	89
25) Chloroform	4.65	83	163746	57.572	ug/L	99
27) 1,2-Dichloroethane	5.38	62	124838	61.990	ug/L	97
29) Cyclohexane	4.97	56	124092	57.418	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	127552	57.579	ug/L	98
31) Carbon tetrachloride	5.11	117	105552	56.440	ug/L	96
33) Benzene	5.36	78	322978	57.435	ug/L	100
34) Trichloroethene	6.16	95	79531	56.776	ug/L	91
35) Methylcyclohexane	6.39	83	123417	58.116	ug/L	98
37) 1,2-Dichloropropane	6.41	63	99566	58.336	ug/L	98
38) Bromodichloromethane	6.73	83	127035	56.936	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	152741	59.565	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	353220	118.974	ug/L	97
42) Toluene	7.61	91	345296	56.950	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	136540	58.069	ug/L	94
45) 1,1,2-Trichloroethane	8.04	97	88962	57.116	ug/L	96
46) Tetrachloroethene	8.21	164	48635	52.305	ug/L	98
48) 2-Hexanone	8.34	43	268412	120.342	ug/L	97
49) Dibromochloromethane	8.45	129	94784	53.732	ug/L	98
50) 1,2-Dibromoethane	8.57	107	89899	55.221	ug/L #	98
51) Chlorobenzene	9.10	112	219391	55.386	ug/L	98
52) Ethylbenzene	9.23	91	398619	56.823	ug/L	98
53) m,p-Xylene	9.35	106	140481	55.700	ug/L	97
54) o-xylene	9.76	106	143740	56.176	ug/L	95
55) Styrene	9.77	104	247994	56.309	ug/L	97
56) Isopropylbenzene	10.14	105	391820	56.933	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.43	83	175055	56.517	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	134230	57.577	ug/L	100
61) Bromoform	9.94	173	61799	49.859	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	159601	54.834	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	159391	54.232	ug/L	96
65) 1,2-Dichlorobenzene	11.85	146	163740	55.770	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.64	75	38255	57.512	ug/L	89
67) 1,3,5-Trichlorobenzene	12.86	180	102885	54.234	ug/L	97
68) 1,2,4-trichlorobenzene	13.48	180	87182	53.796	ug/L	99
69) Naphthalene	13.72	128	350067	58.467	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	88921	53.596	ug/L	96

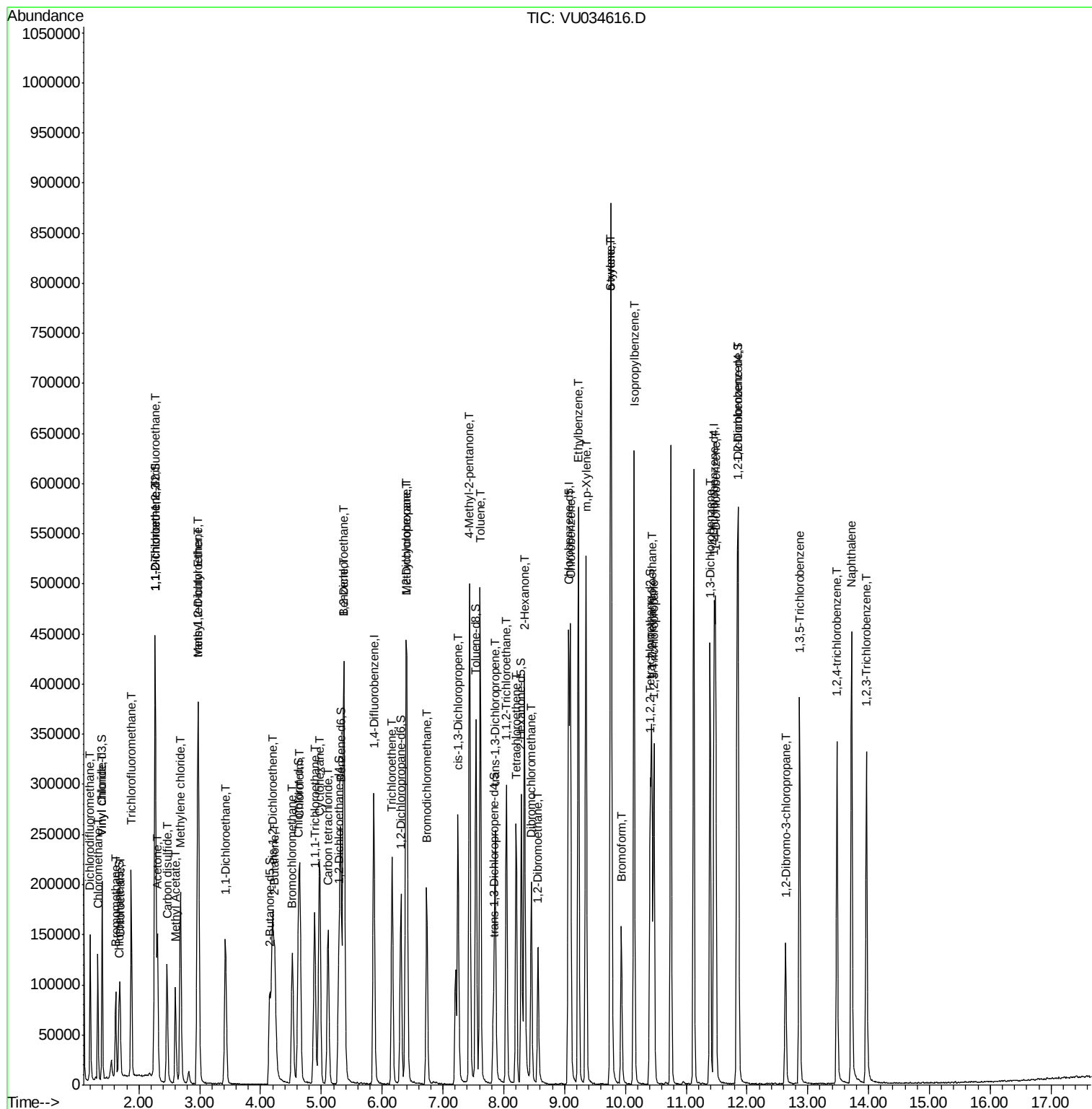
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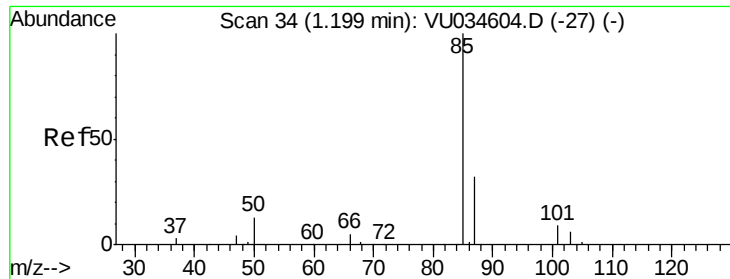
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#2

Dichlorodifluoromethane

Concen: 58.328 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

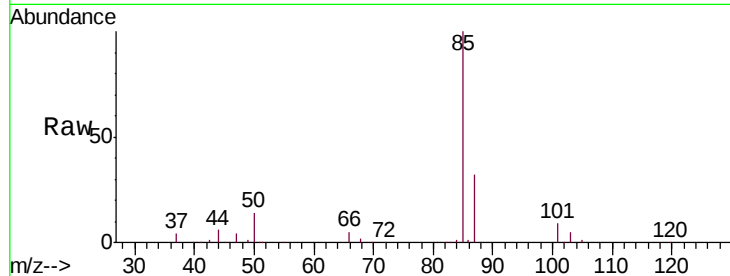
VSTD05057

Tgt Ion: 85 Resp: 85344

Ion Ratio Lower Upper

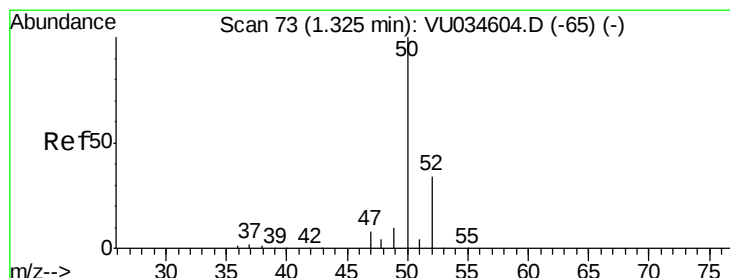
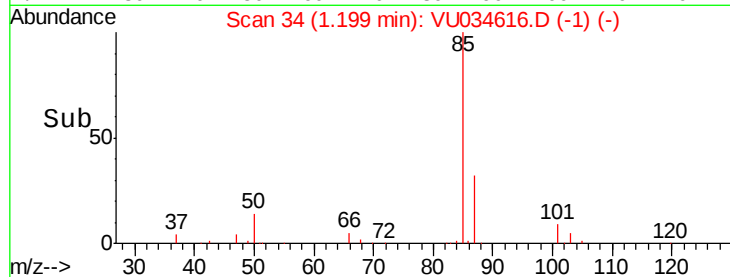
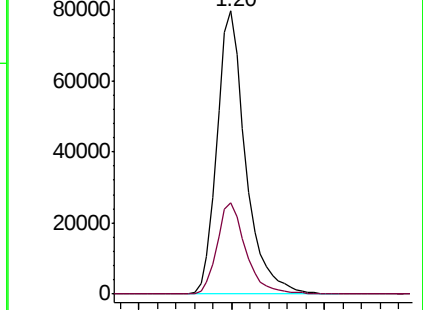
85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU034616.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034616.D (-1) (-)



#3

Chloromethane

Concen: 54.953 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034616.D

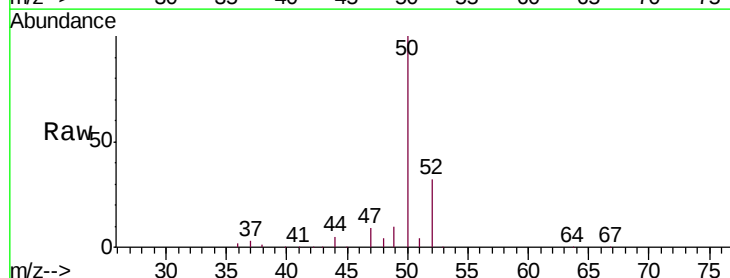
Acq: 17 Sep 2019 15:27

Tgt Ion: 50 Resp: 82060

Ion Ratio Lower Upper

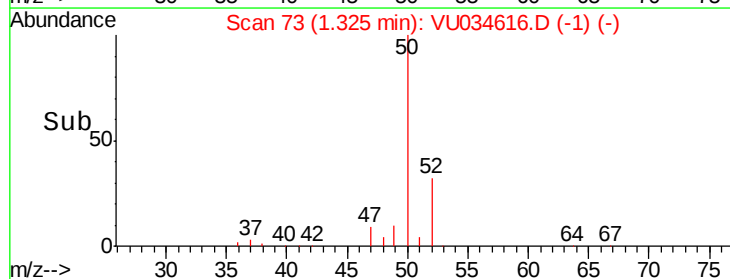
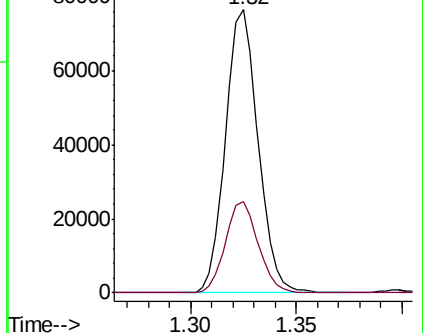
50 100

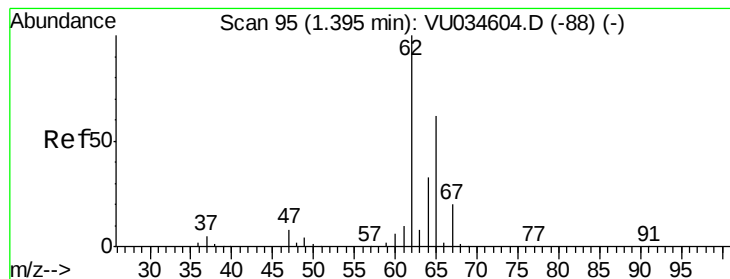
52 32.5 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU034616.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034616.D (-1) (-)





#5

Vinyl chloride

Concen: 56.210 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

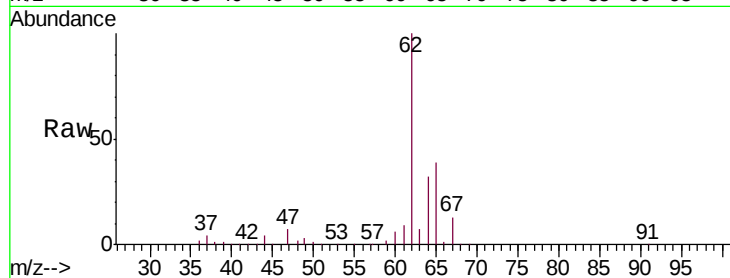
VSTD05057

Tgt Ion: 62 Resp: 82407

Ion Ratio Lower Upper

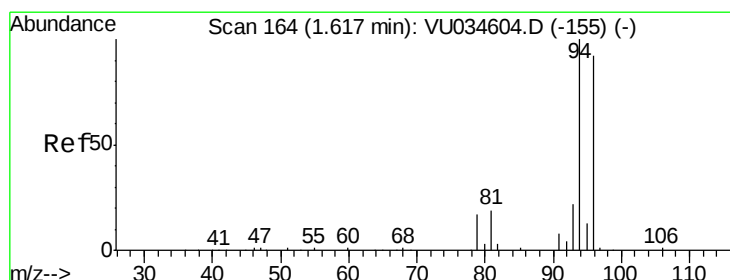
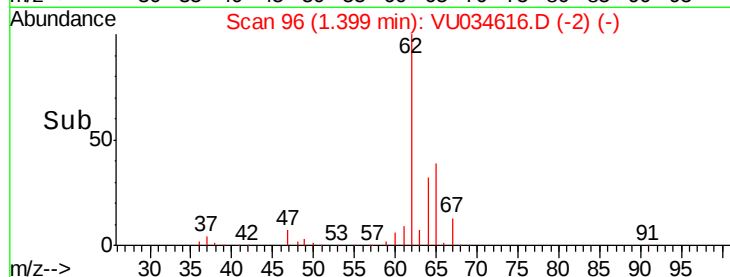
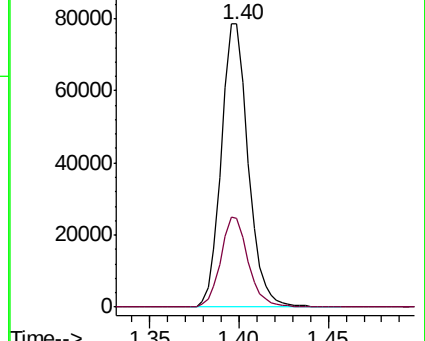
62 100

64 31.5 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU034616.D (-2) (-)

Ion 64.00 (63.70 to 64.70): VU034616.D (-2) (-)



#6

Bromomethane

Concen: 50.021 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU034616.D

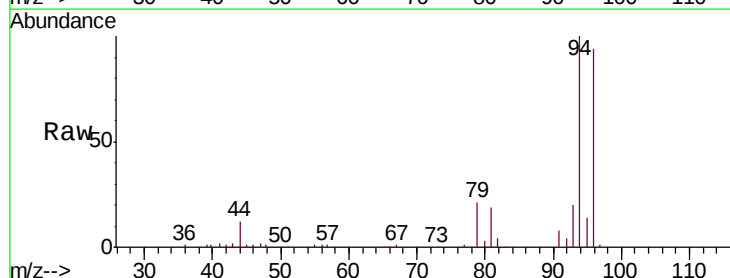
Acq: 17 Sep 2019 15:27

Tgt Ion: 94 Resp: 38335

Ion Ratio Lower Upper

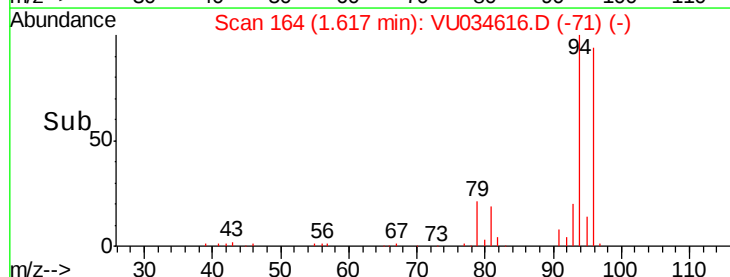
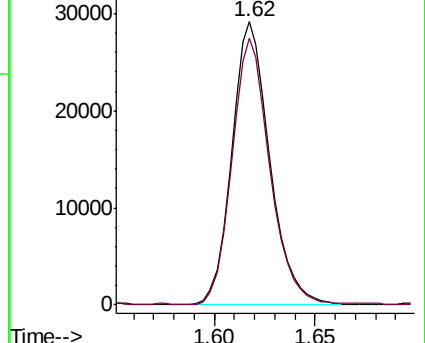
94 100

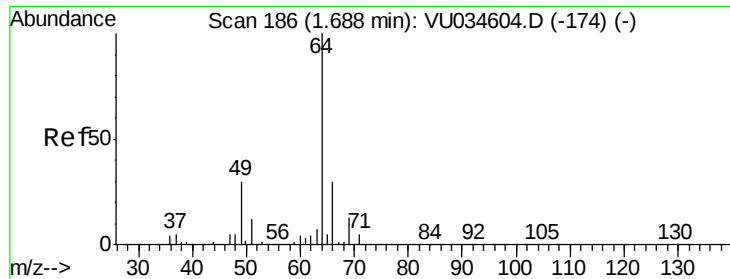
96 94.1 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU034616.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU034616.D (-71) (-)

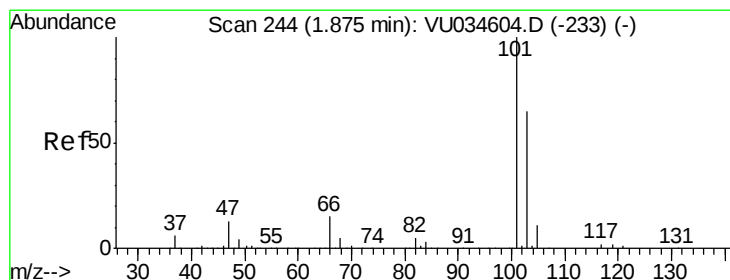
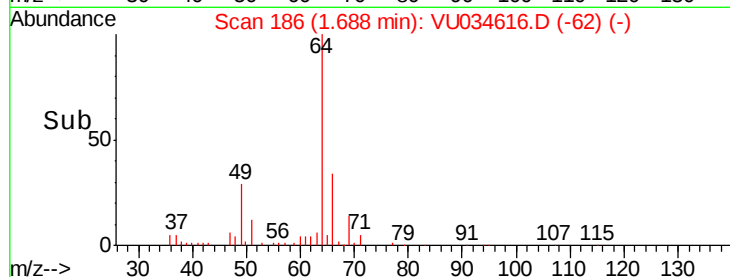
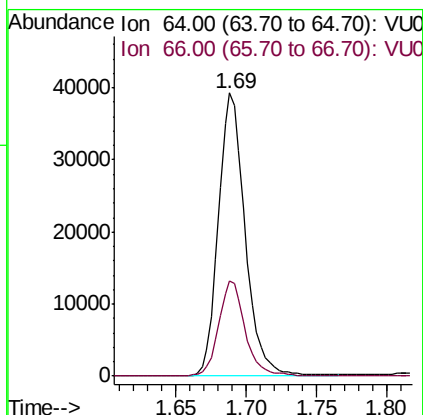
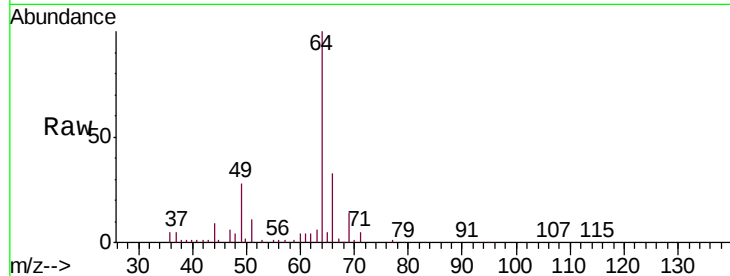




#8
Chloroethane
Concen: 61.824 ug/L
RT: 1.69 min Scan# 186
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

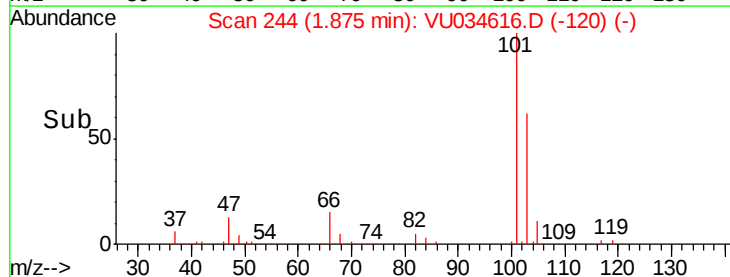
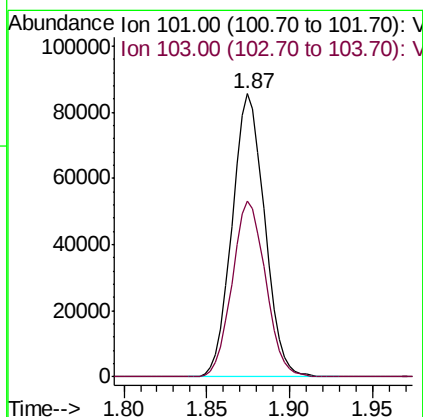
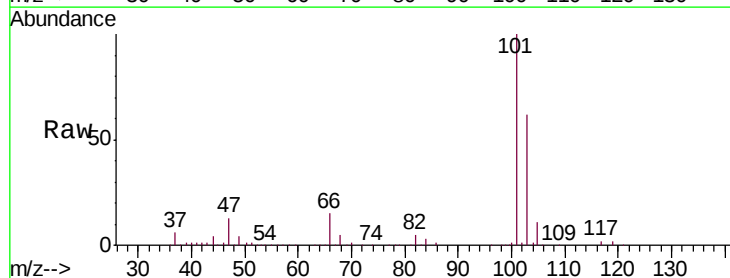
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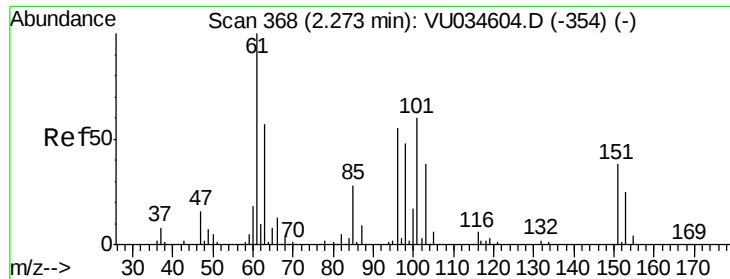
Tgt Ion: 64 Resp: 51933
Ion Ratio Lower Upper
64 100
66 33.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 56.521 ug/L
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

Tgt Ion: 101 Resp: 117254
Ion Ratio Lower Upper
101 100
103 63.6 50.7 76.1





#10

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

Concen: 55.495 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

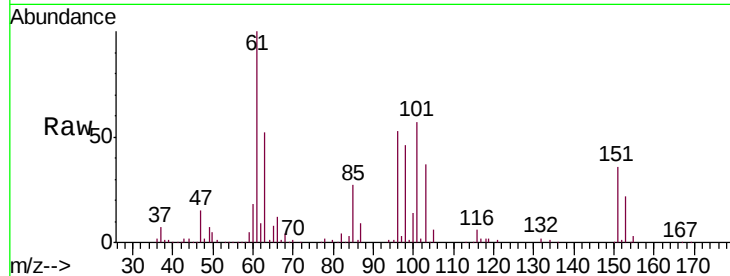
Tgt Ion:101 Resp: 68599

Ion Ratio Lower Upper

101 100

85 47.7 37.0 55.6

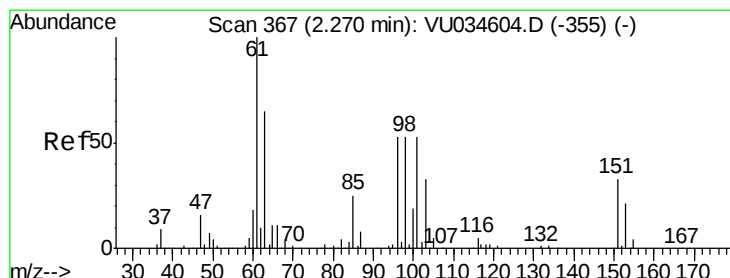
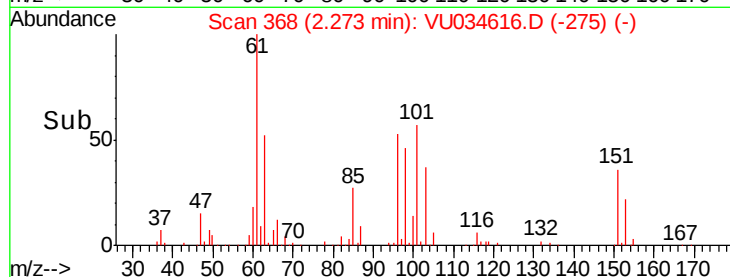
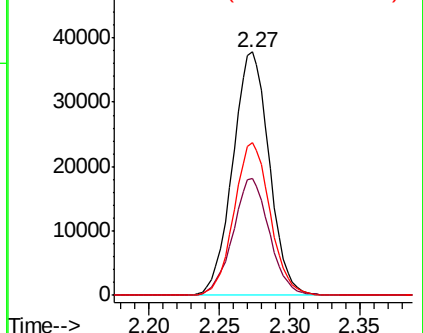
151 61.8 54.1 81.1



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: 52.223 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

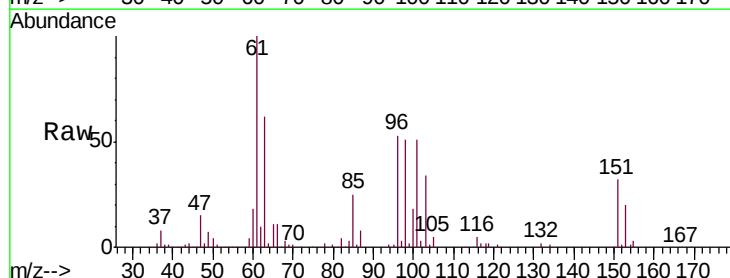
Tgt Ion: 96 Resp: 58947

Ion Ratio Lower Upper

96 100

61 190.5 117.8 218.8

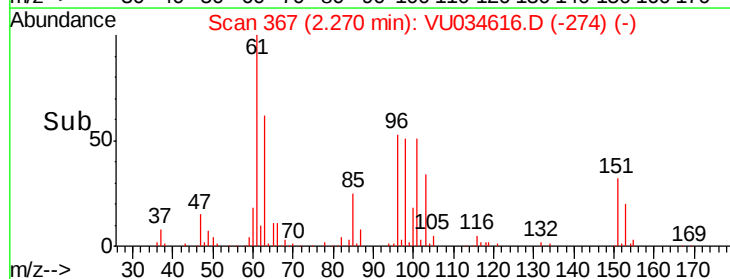
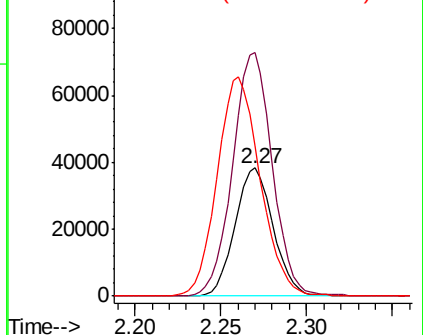
63 117.4 83.8 155.6

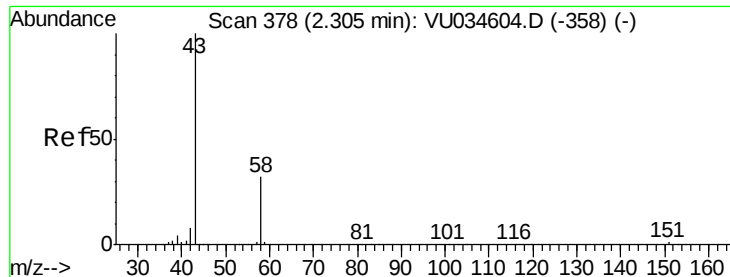


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 120.943 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

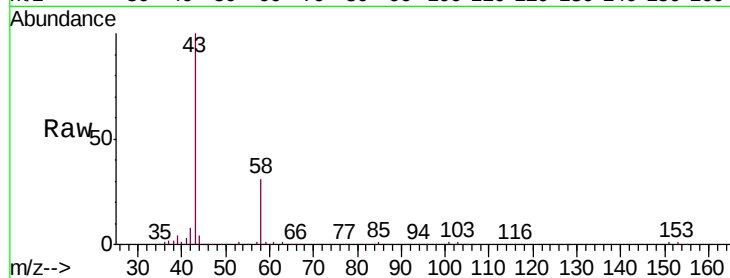
VSTD05057

Tgt Ion: 43 Resp: 140423

Ion Ratio Lower Upper

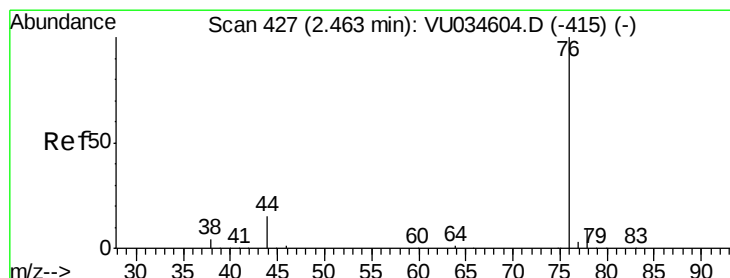
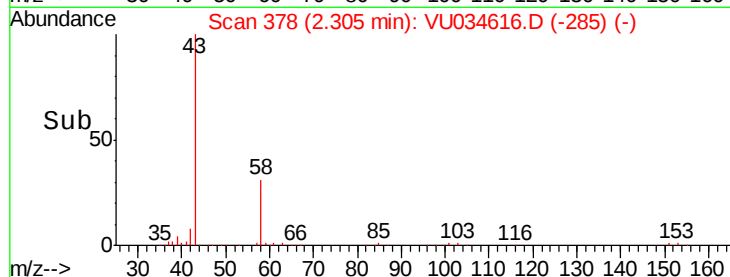
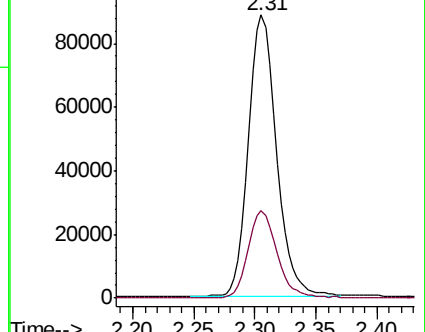
43 100

58 31.9 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU034616.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU034616.D (-285) (-)



#14

Carbon disulfide

Concen: 52.889 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034616.D

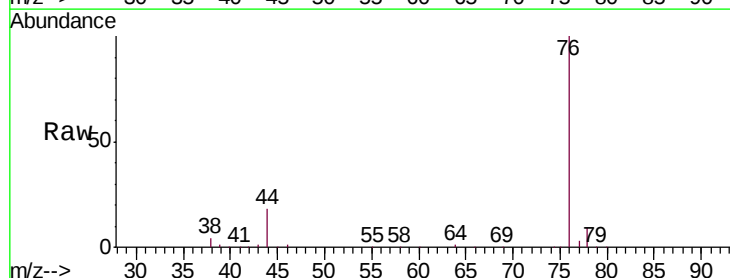
Acq: 17 Sep 2019 15:27

Tgt Ion: 76 Resp: 146556

Ion Ratio Lower Upper

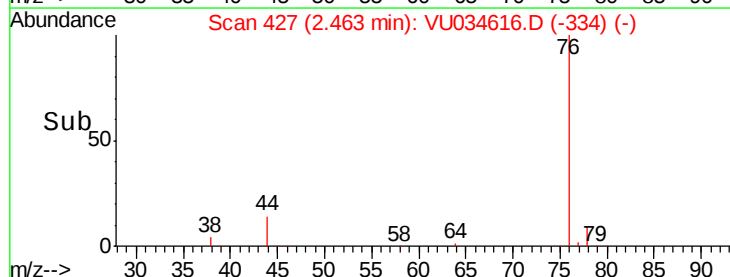
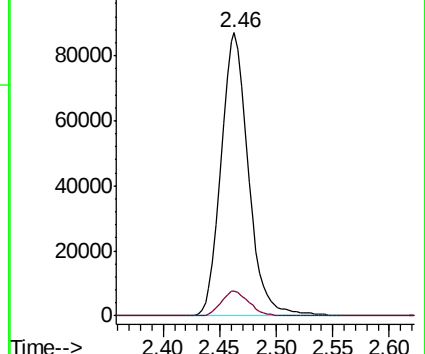
76 100

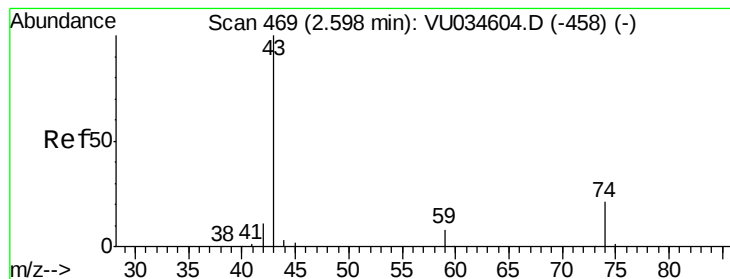
78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU034616.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034616.D (-334) (-)





#15

Methyl Acetate

Concen: 58.827 ug/L

RT: 2.60 min Scan# 469

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

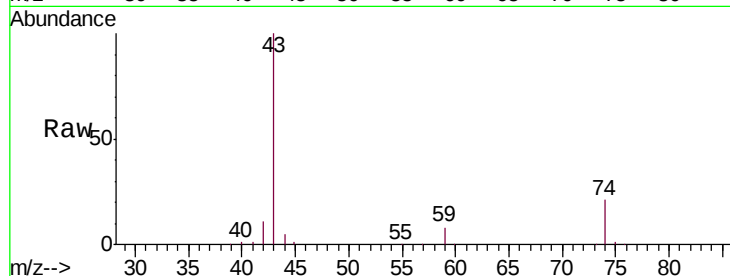
VSTD05057

Tgt Ion: 43 Resp: 111789

Ion Ratio Lower Upper

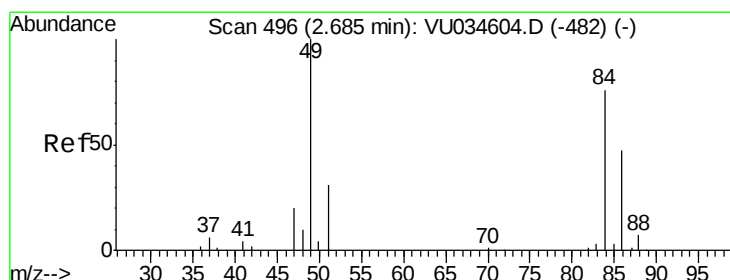
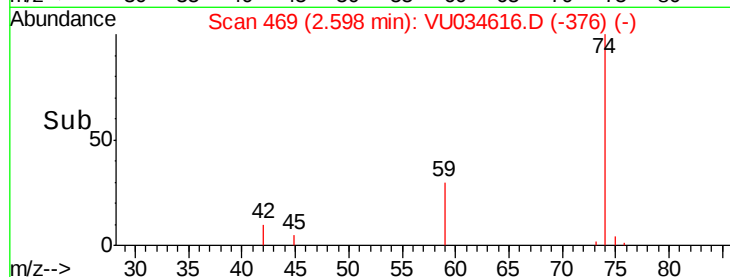
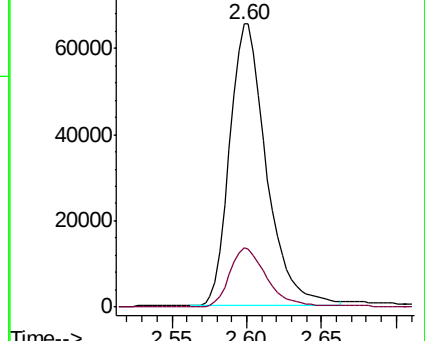
43 100

74 21.2 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU034616.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU034616.D (-376) (-)



#16

Methylene chloride

Concen: 55.378 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

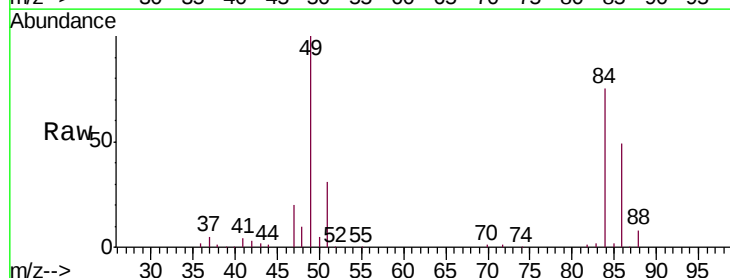
Tgt Ion: 84 Resp: 82611

Ion Ratio Lower Upper

84 100

86 65.1 45.4 84.4

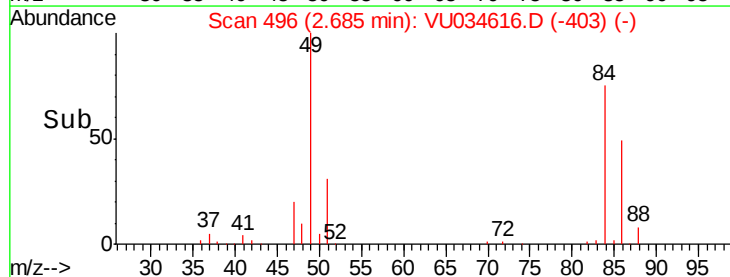
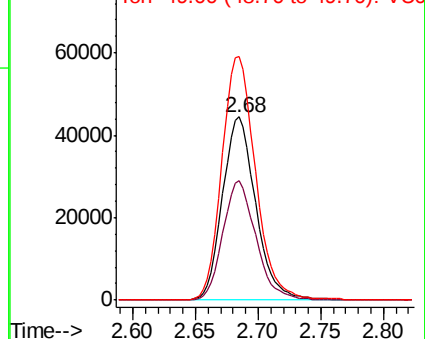
49 133.0 93.1 172.9

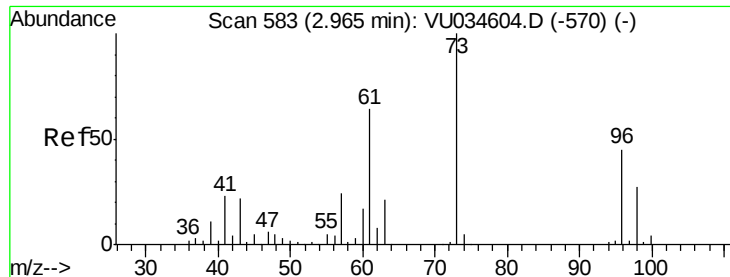


Abundance Ion 84.00 (83.70 to 84.70): VU034616.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034616.D (-403) (-)

Ion 49.00 (48.70 to 49.70): VU034616.D (-403) (-)





#17

trans-1,2-Dichloroethene

Concen: 53.543 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

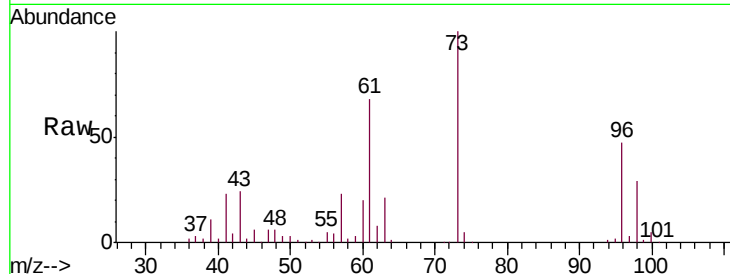
Tgt Ion: 96 Resp: 64681

Ion Ratio Lower Upper

96 100

61 144.3 97.0 180.2

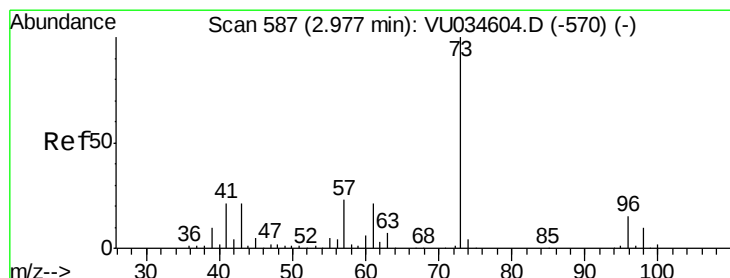
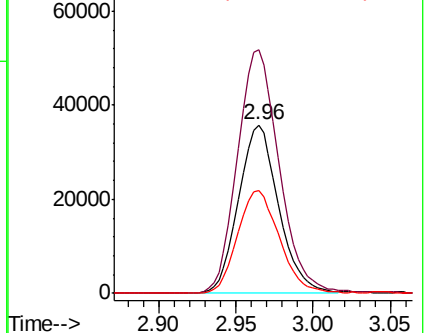
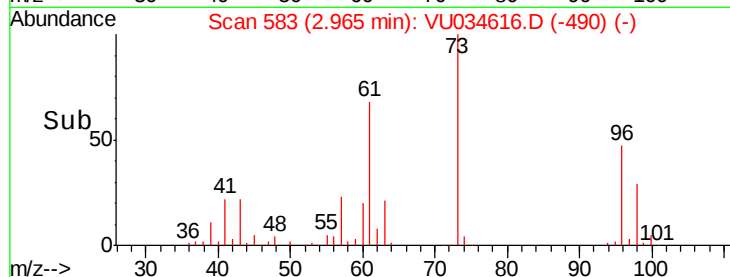
98 60.9 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VU034616.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034616.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034616.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 56.373 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

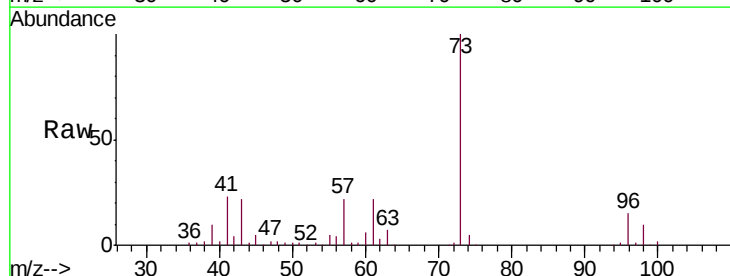
Tgt Ion: 73 Resp: 281944

Ion Ratio Lower Upper

73 100

43 22.0 16.7 25.1

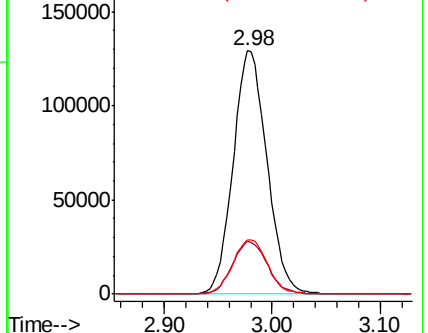
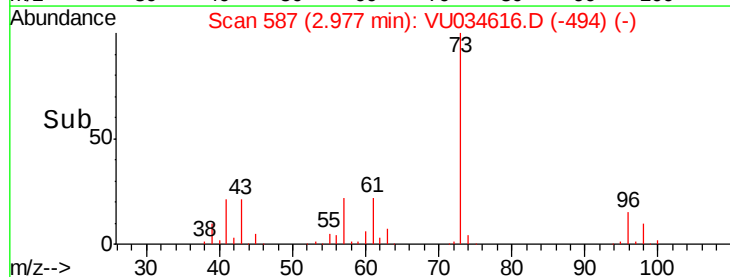
57 22.9 18.6 28.0

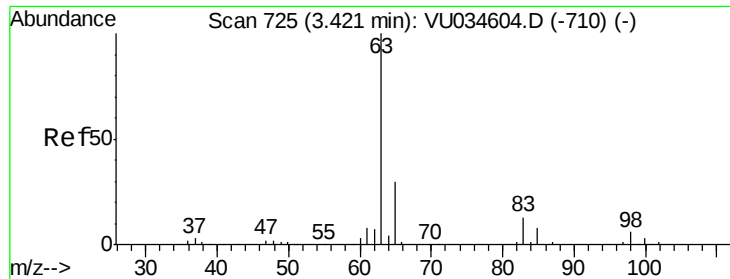


Abundance Ion 73.00 (72.70 to 73.70): VU034616.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU034616.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU034616.D (-494) (-)

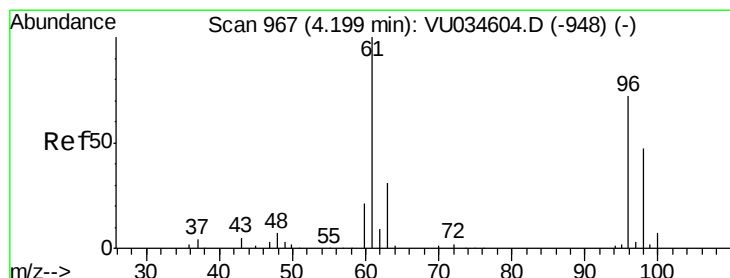
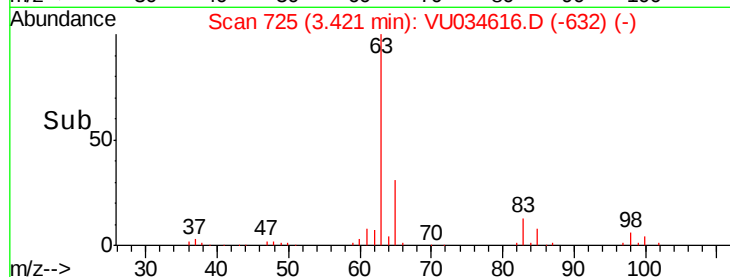
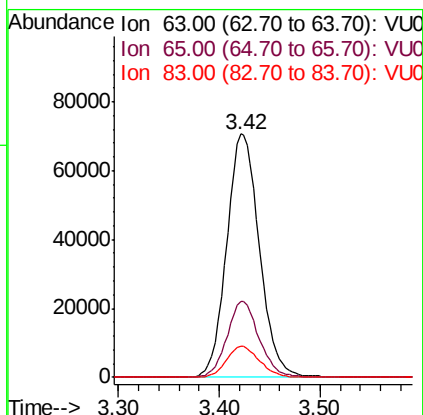
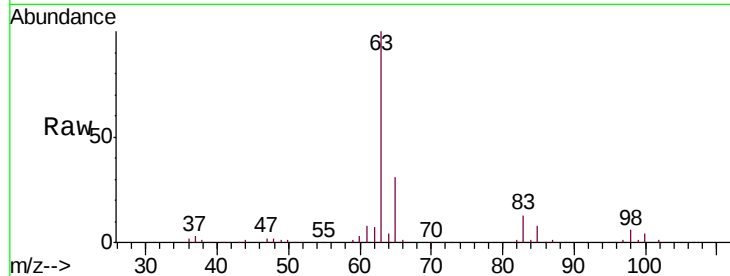




#19
 1,1-Dichloroethane
 Concen: 58.583 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

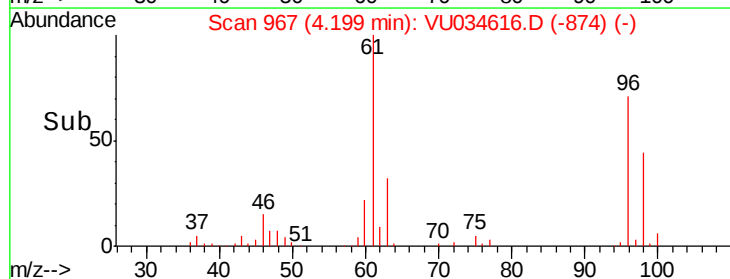
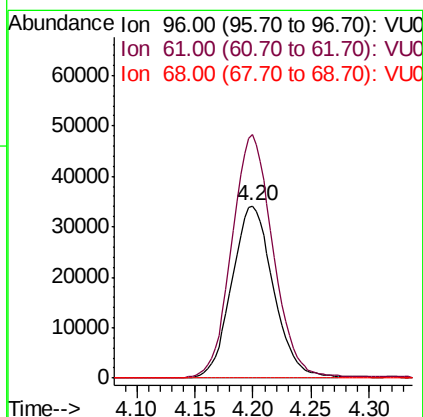
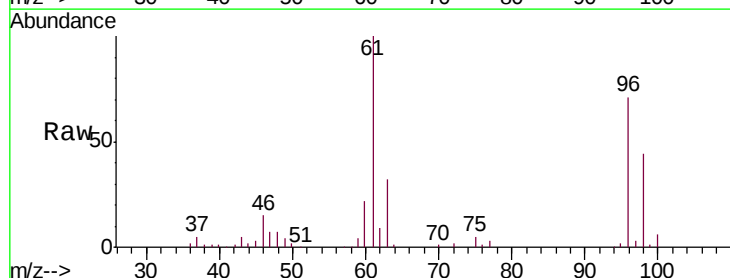
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

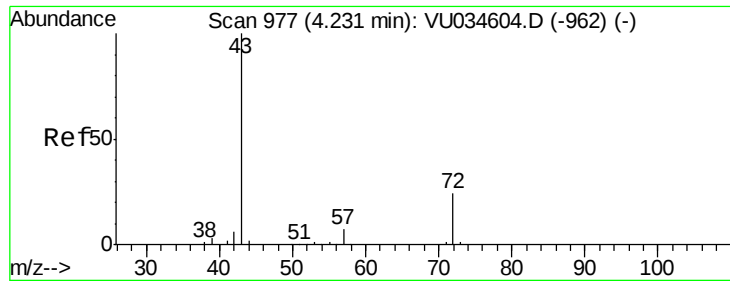
Tgt Ion: 63 Resp: 159330
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.6 40.0
 83 13.0 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 54.299 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

Tgt Ion: 96 Resp: 84950
 Ion Ratio Lower Upper
 96 100
 61 141.5 94.7 175.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 127.093 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

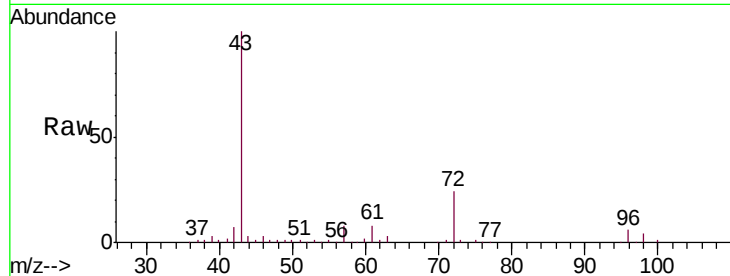
VSTD05057

Tgt Ion: 43 Resp: 187722

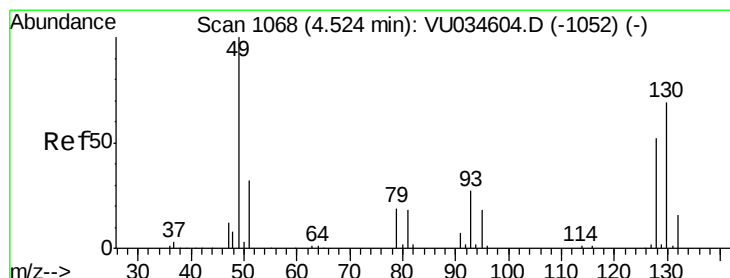
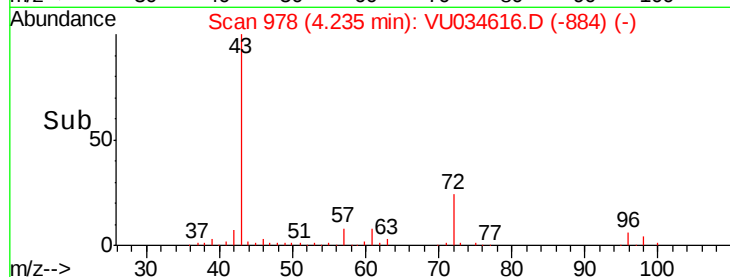
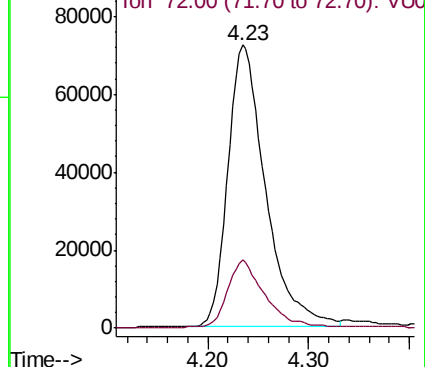
Ion Ratio Lower Upper

43 100

72 22.6 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU034616.D (-978) (-)



#23

Bromochloromethane

Concen: 52.114 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Tgt Ion: 128 Resp: 38492

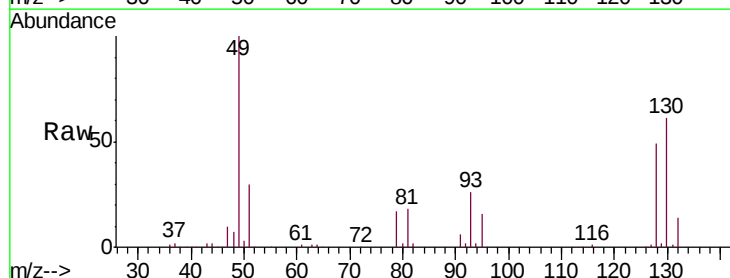
Ion Ratio Lower Upper

128 100

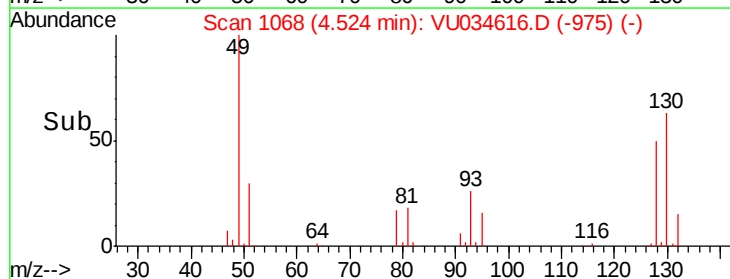
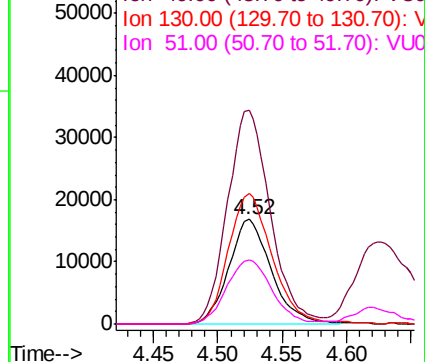
49 204.0 125.6 233.3

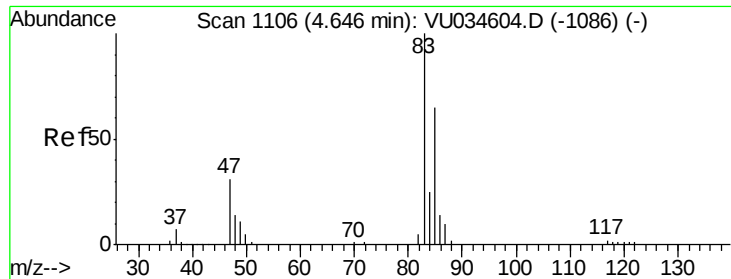
130 124.6 89.8 166.8

51 61.7 46.0 69.0



Abundance Ion 128.00 (127.70 to 128.70): VU034616.D (-1068) (-)

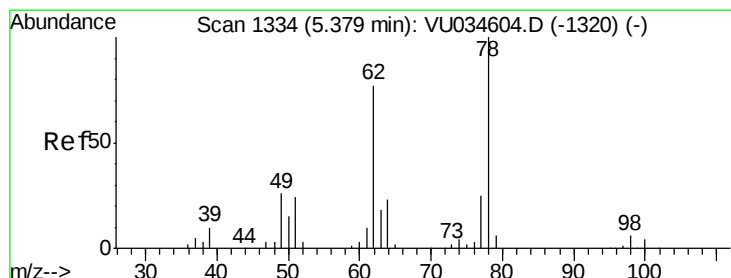
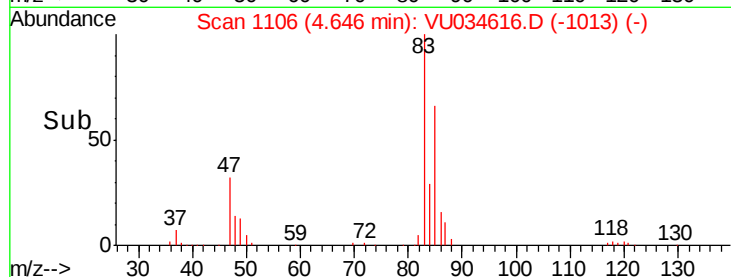
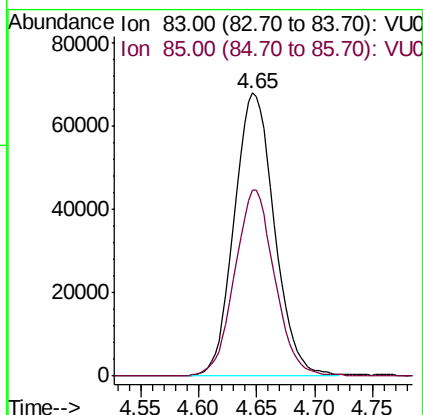
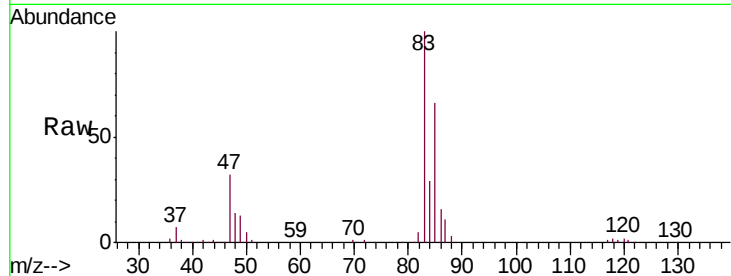




#25
Chloroform
Concen: 57.572 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

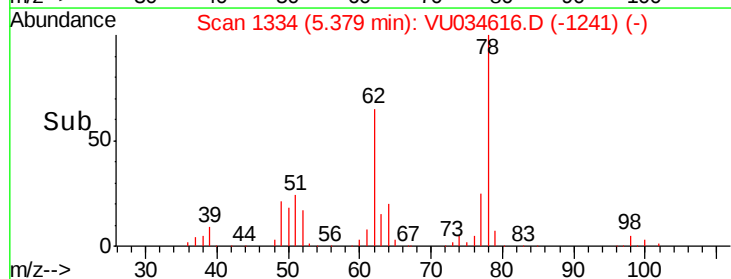
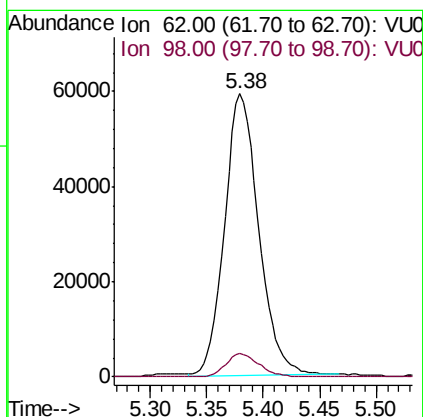
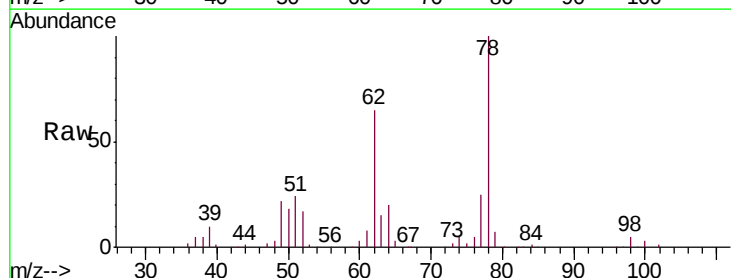
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

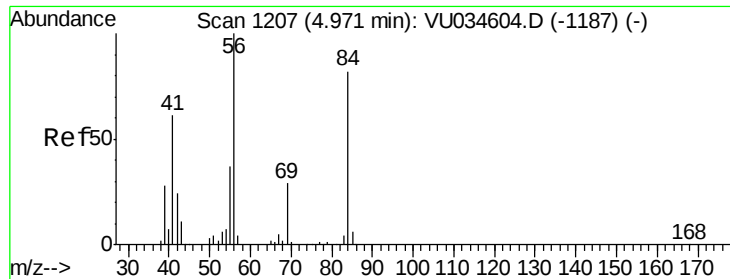
Tgt Ion: 83 Resp: 163746
Ion Ratio Lower Upper
83 100
85 65.7 46.6 86.6



#27
1,2-Dichloroethane
Concen: 61.990 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

Tgt Ion: 62 Resp: 124838
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.0

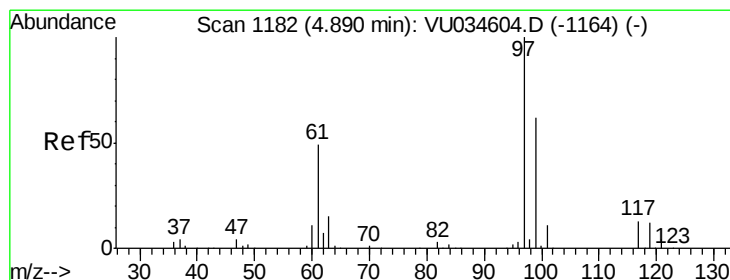
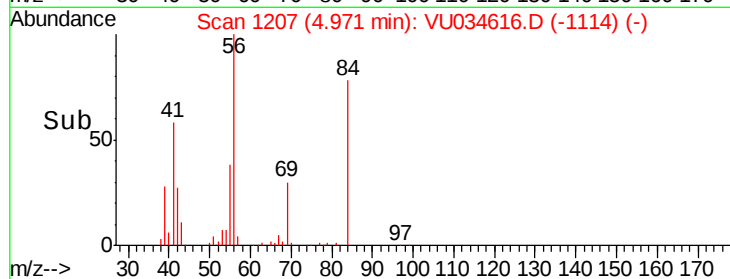
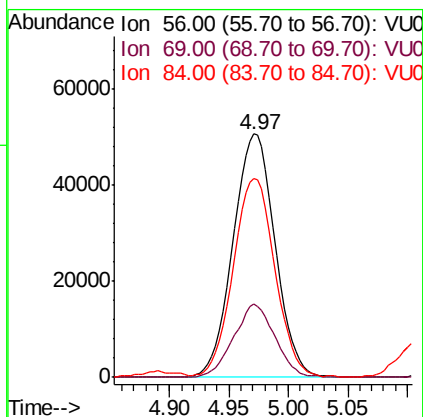
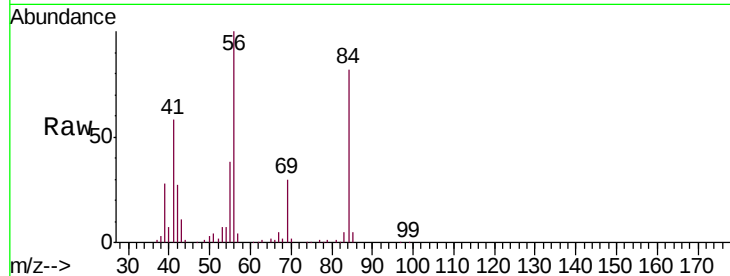




#29
Cyclohexane
Concen: 57.418 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

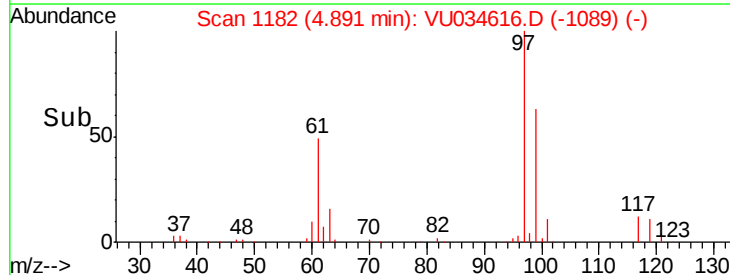
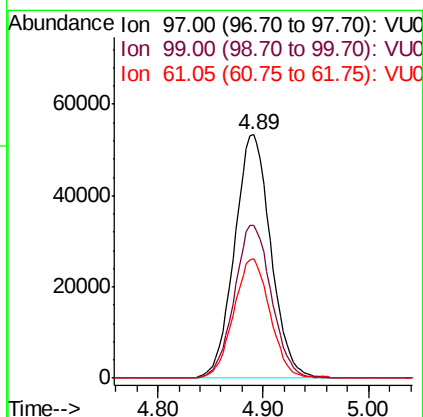
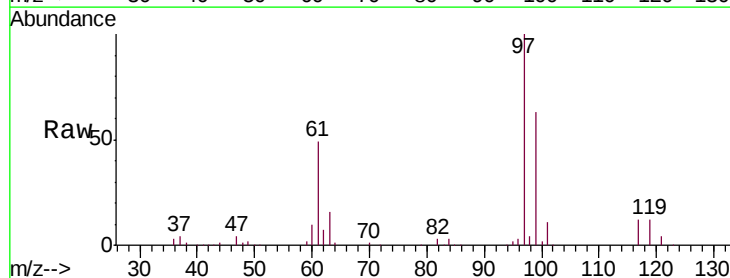
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

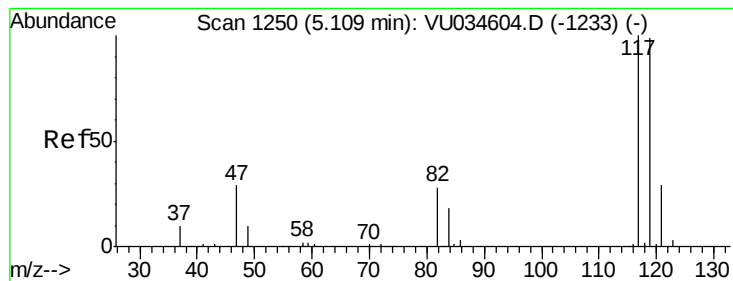
Tgt Ion: 56 Resp: 124092
Ion Ratio Lower Upper
56 100
69 29.5 23.3 34.9
84 79.9 64.2 96.4



#30
1,1,1-Trichloroethane
Concen: 57.579 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

Tgt Ion: 97 Resp: 127552
Ion Ratio Lower Upper
97 100
99 64.1 50.7 76.1
61 48.9 36.9 55.3





#31

Carbon tetrachloride

Concen: 56.440 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

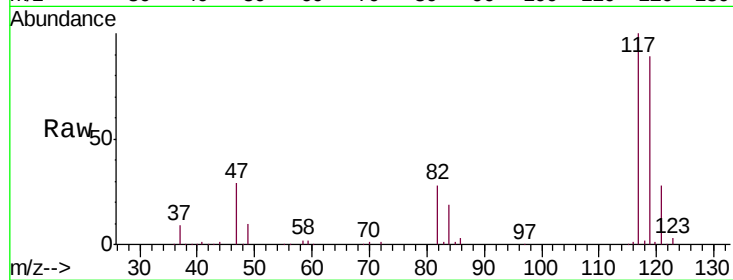
VSTD05057

Tgt Ion:117 Resp: 105552

Ion Ratio Lower Upper

117 100

119 93.1 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

50000

40000

30000

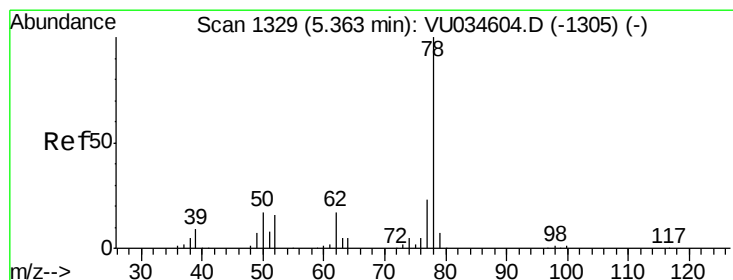
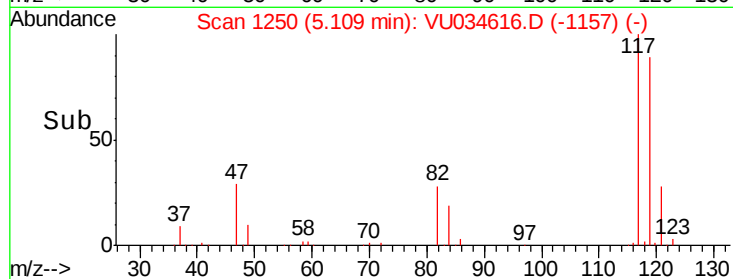
20000

10000

0

Time-->

5.00 5.10 5.20



#33

Benzene

Concen: 57.435 ug/L

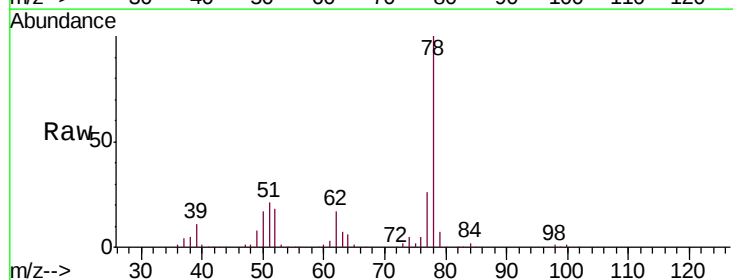
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Tgt Ion: 78 Resp: 322978



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.36

150000

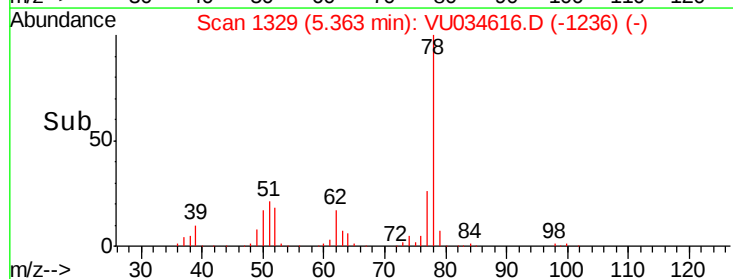
100000

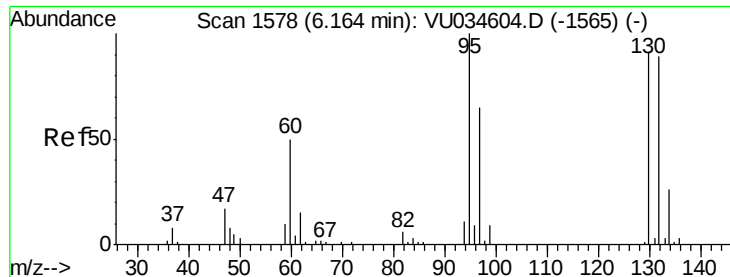
50000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 56.776 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

Tgt Ion: 95 Resp: 79531

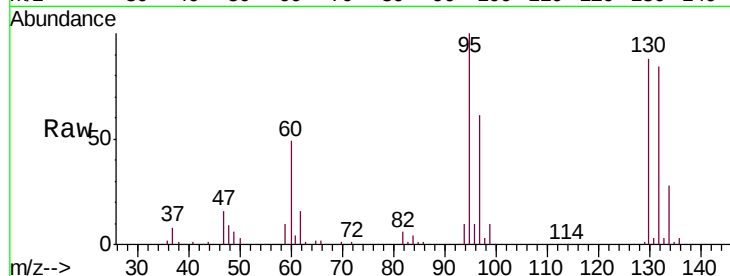
Ion Ratio Lower Upper

95 100

97 60.5 45.4 84.4

132 84.1 65.2 121.0

130 87.8 68.5 127.3

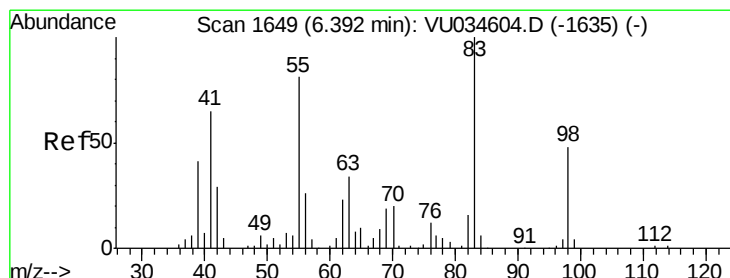
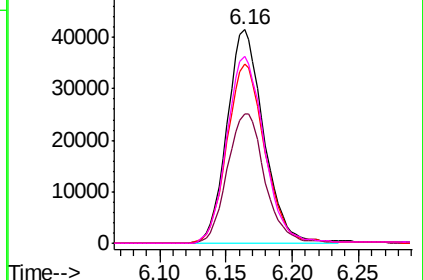
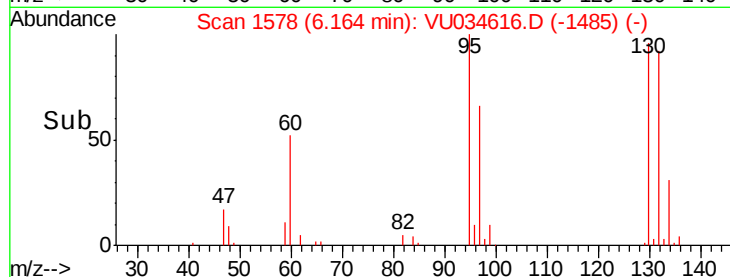


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 58.116 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

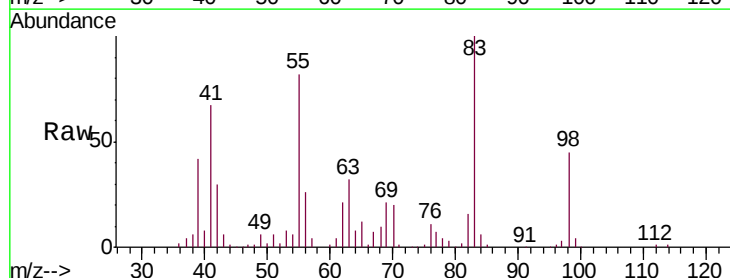
Tgt Ion: 83 Resp: 123417

Ion Ratio Lower Upper

83 100

55 80.7 63.0 94.6

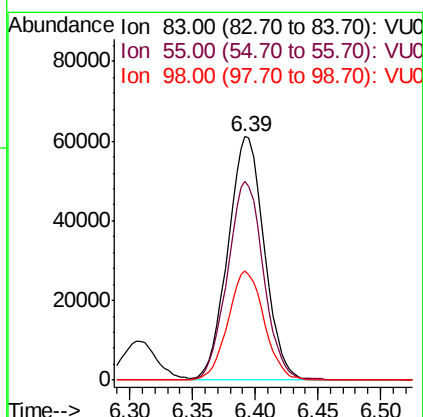
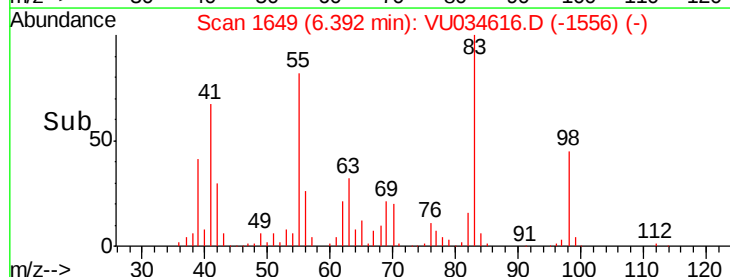
98 44.4 36.2 54.2

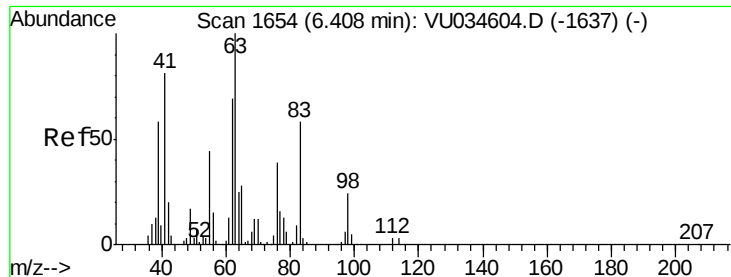


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 58.336 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

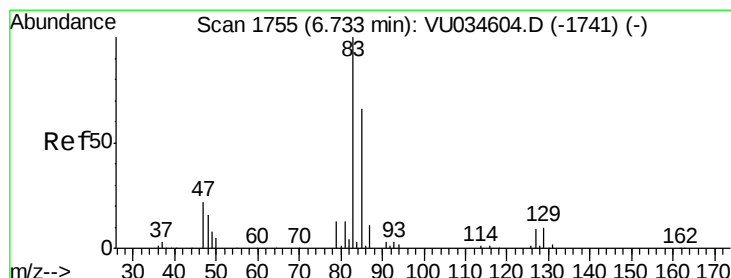
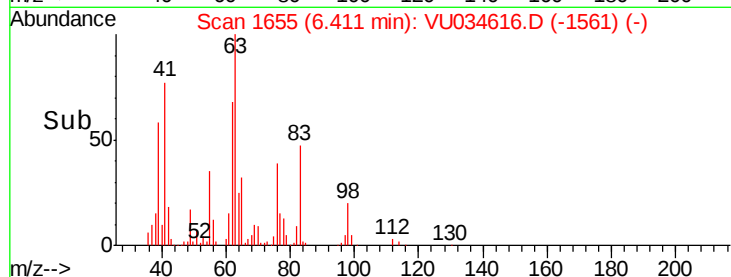
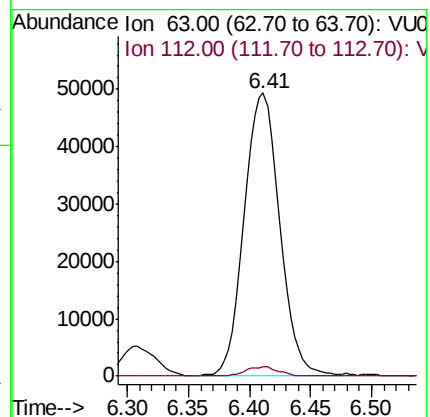
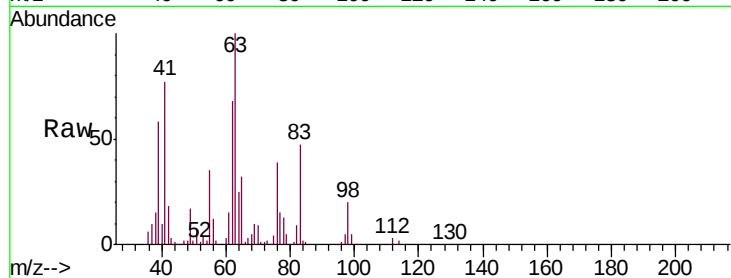
VSTD05057

Tgt Ion: 63 Resp: 99566

Ion Ratio Lower Upper

63 100

112 3.1 2.9 4.3



#38

Bromodichloromethane

Concen: 56.936 ug/L

RT: 6.73 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

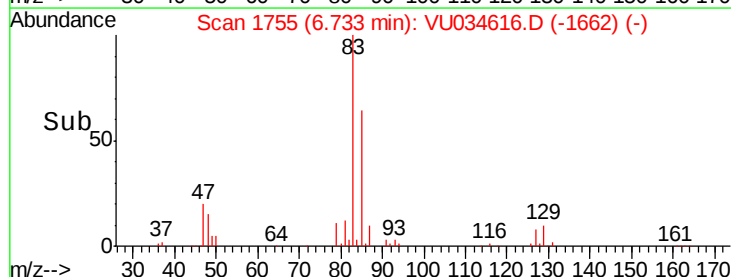
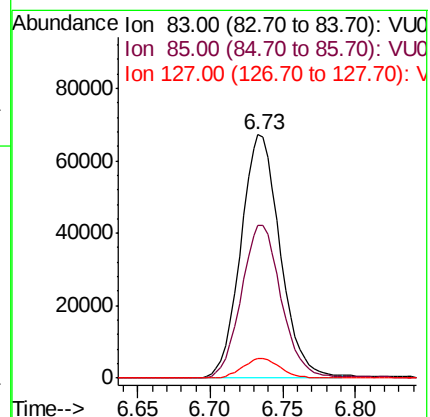
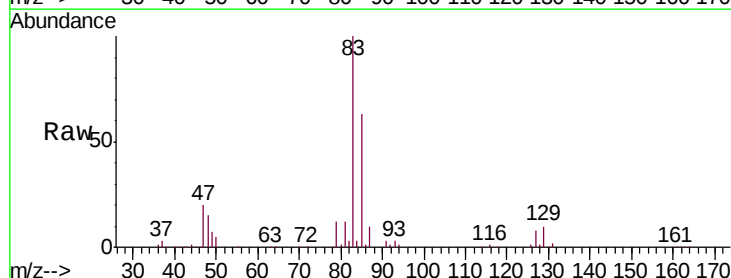
Tgt Ion: 83 Resp: 127035

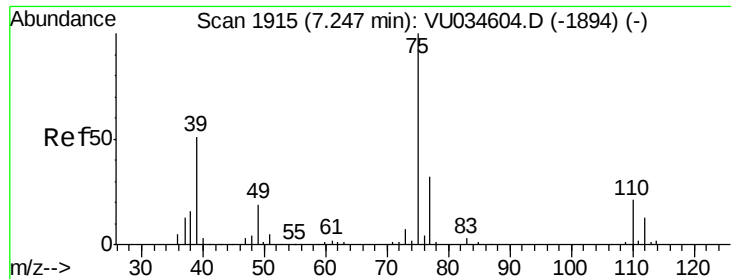
Ion Ratio Lower Upper

83 100

85 62.7 46.1 85.7

127 8.3 7.0 10.6

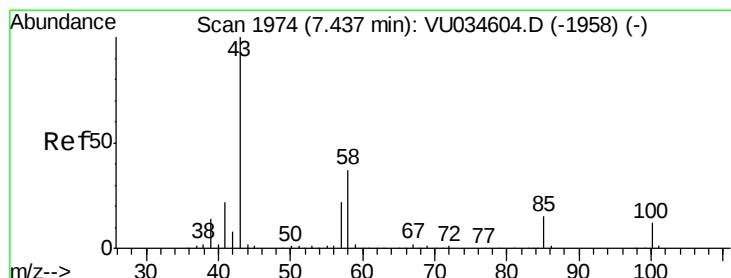
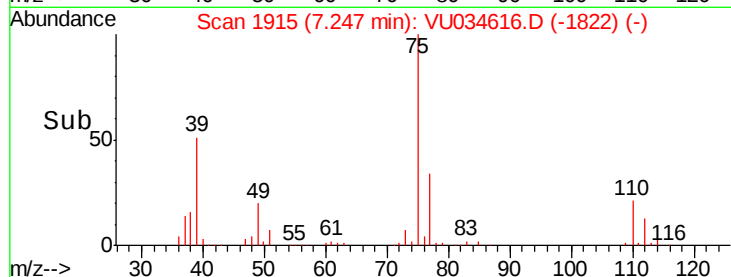
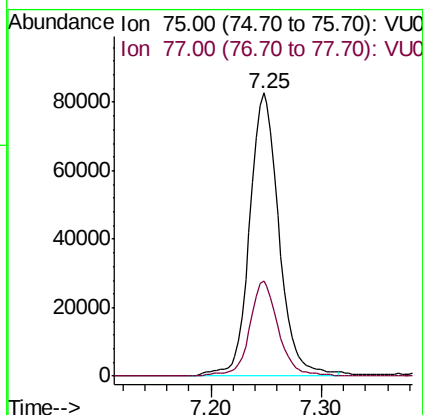
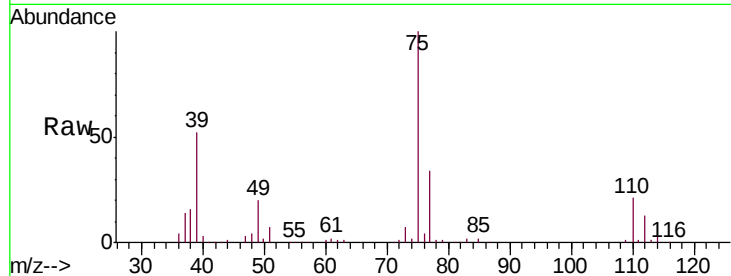




#39
 cis-1,3-Dichloropropene
 Concen: 59.565 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

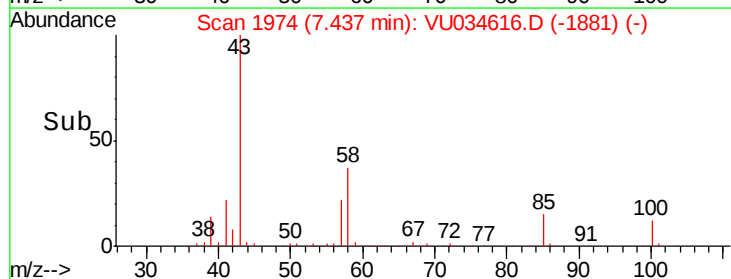
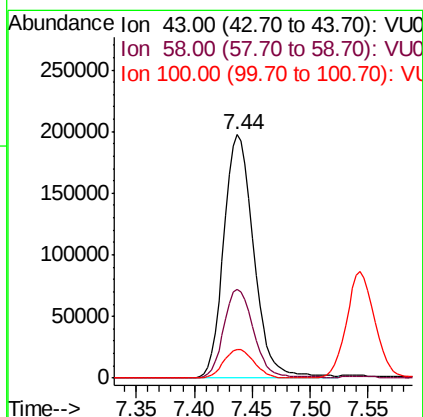
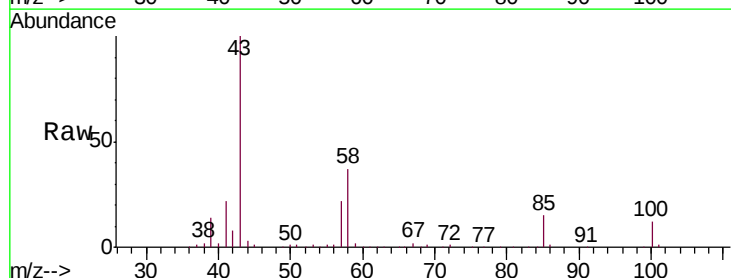
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

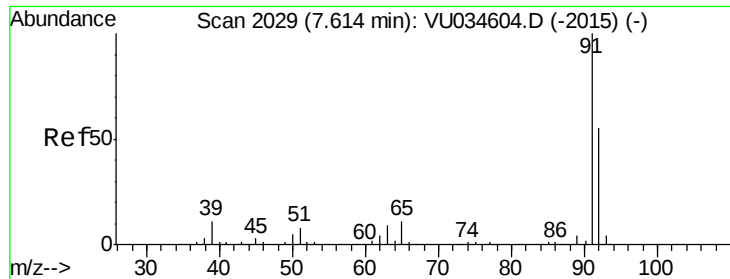
Tgt Ion: 75 Resp: 152741
 Ion Ratio Lower Upper
 75 100
 77 33.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 118.974 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

Tgt Ion: 43 Resp: 353220
 Ion Ratio Lower Upper
 43 100
 58 36.4 30.4 45.6
 100 11.8 10.2 15.4





#42

Toluene

Concen: 56.950 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

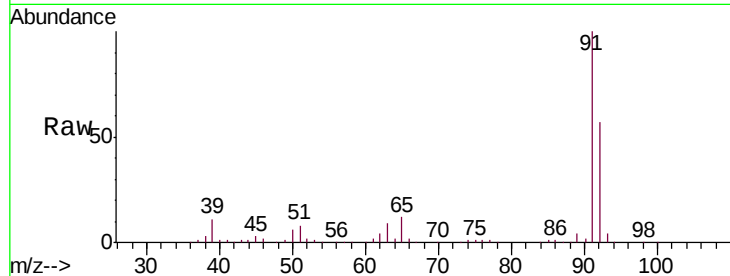
VSTD05057

Tgt Ion: 91 Resp: 345296

Ion Ratio Lower Upper

91 100

92 56.8 38.4 71.4



Abundance Ion 91.00 (90.70 to 91.70): VU034616.D (-2015) (-)

Ion 92.00 (91.70 to 92.70): VU034616.D (-2015) (-)

7.61

200000

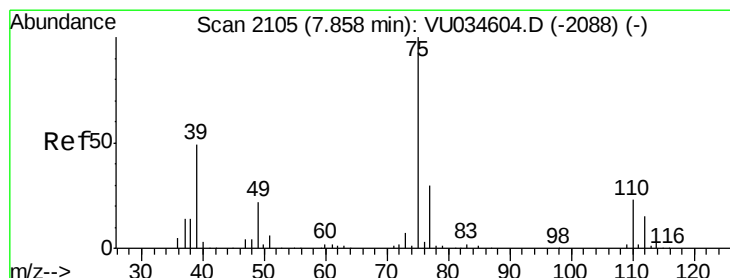
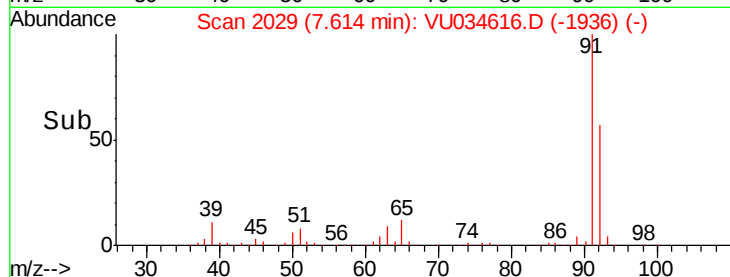
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 58.069 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU034616.D

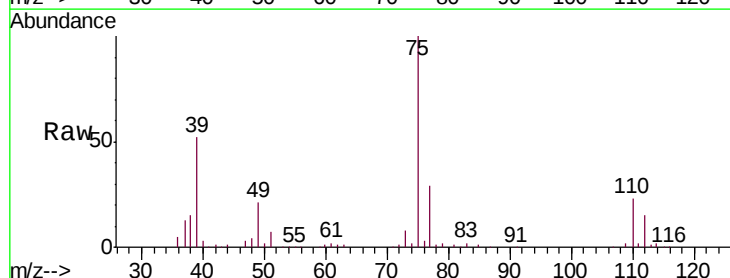
Acq: 17 Sep 2019 15:27

Tgt Ion: 75 Resp: 136540

Ion Ratio Lower Upper

75 100

77 29.4 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VU034616.D (-2105) (-)

Ion 77.00 (76.70 to 77.70): VU034616.D (-2105) (-)

7.86

80000

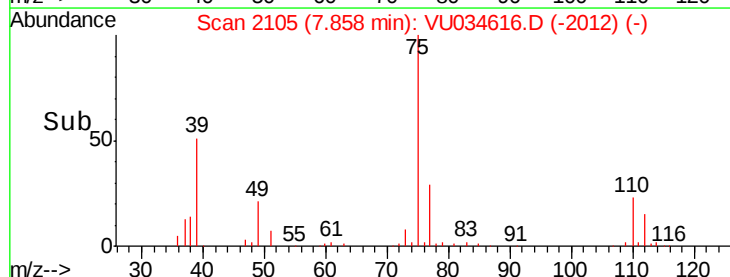
60000

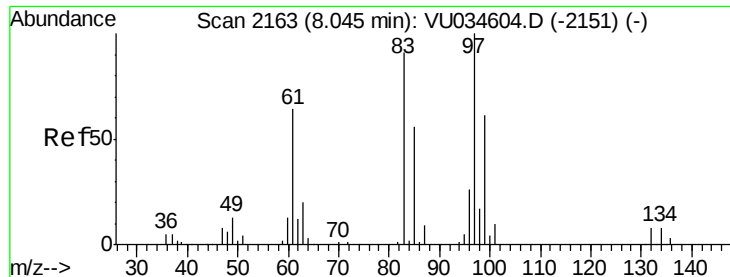
40000

20000

0

Time-->

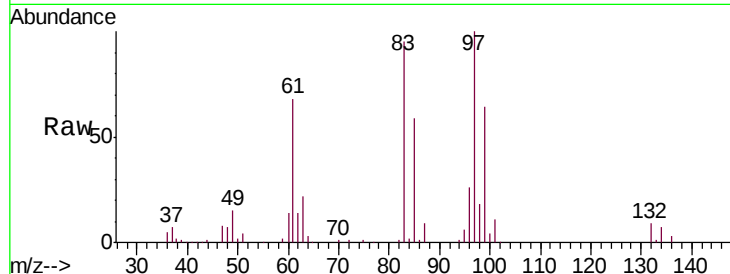




#45
 1,1,2-Trichloroethane
 Concen: 57.116 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion:	97	Resp:	88962
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.4	78.8
83	95.5	62.5	116.1
85	59.3	40.7	75.7



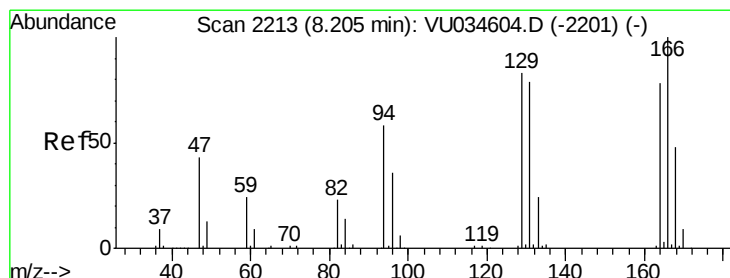
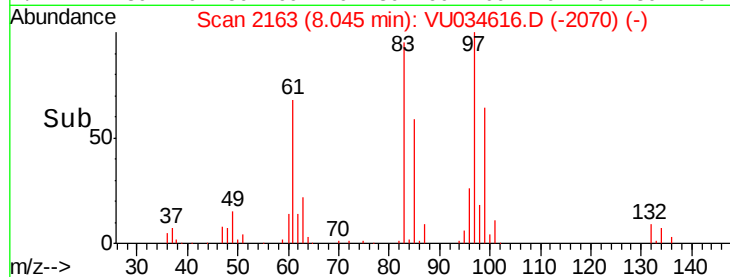
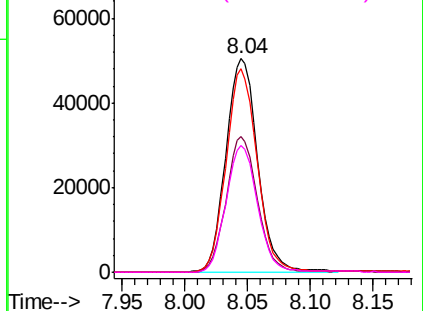
Abundance

Ion 97.00 (96.70 to 97.70): VU034616.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU034616.D (-2151) (-)

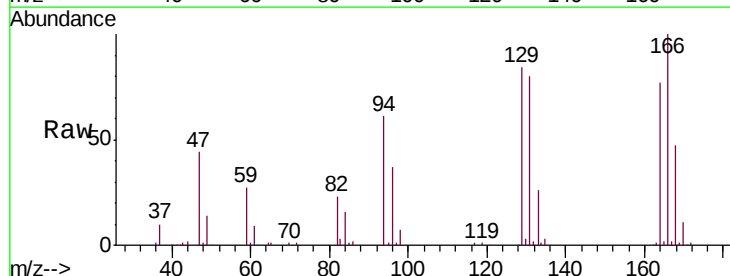
Ion 83.00 (82.70 to 83.70): VU034616.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU034616.D (-2151) (-)



#46
 Tetrachloroethene
 Concen: 52.305 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

Tgt Ion:	164	Resp:	48635
Ion	Ratio	Lower	Upper
164	100		
129	108.0	74.5	138.3
131	103.9	70.4	130.8
166	129.3	91.7	170.3



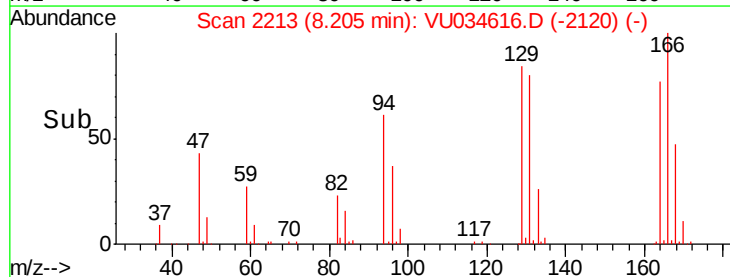
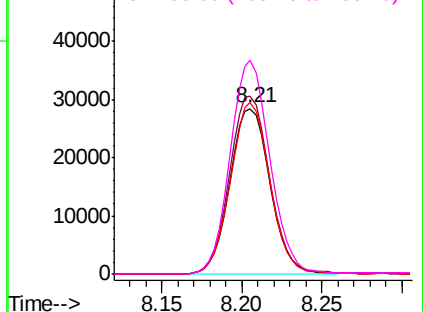
Abundance

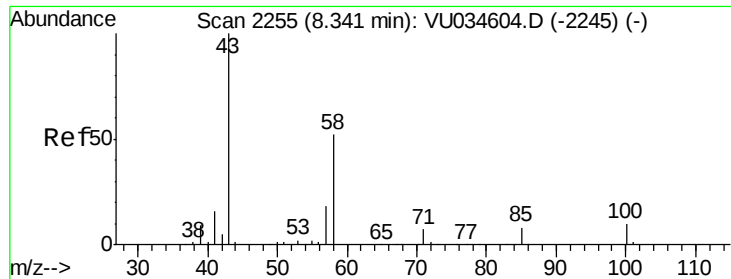
Ion 164.00 (163.70 to 164.70): VU034616.D (-2201) (-)

Ion 129.00 (128.70 to 129.70): VU034616.D (-2201) (-)

Ion 131.00 (130.70 to 131.70): VU034616.D (-2201) (-)

Ion 166.00 (165.70 to 166.70): VU034616.D (-2201) (-)

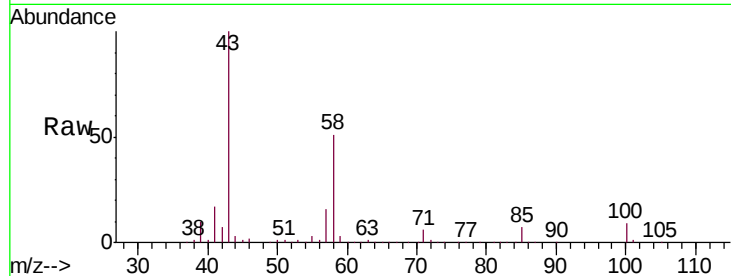




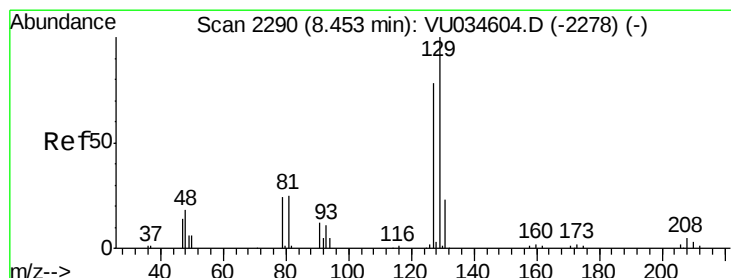
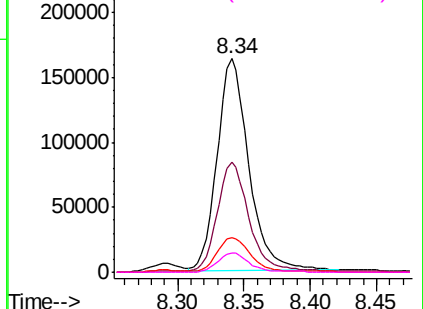
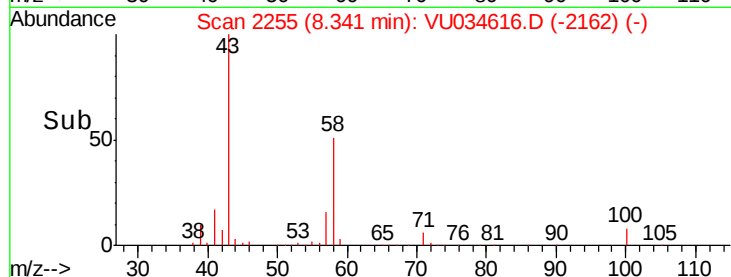
#48
2-Hexanone
Concen: 120.342 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

Tgt Ion:	43	Resp:	268412
Ion	Ratio	Lower	Upper
43	100		
58	51.9	43.3	64.9
57	17.2	13.1	19.7
100	9.2	8.2	12.4

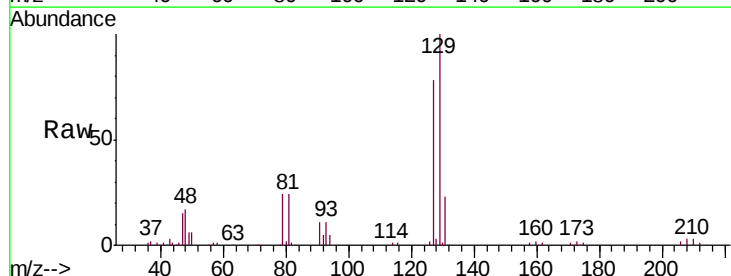


Abundance Ion 43.00 (42.70 to 43.70): VU034616.D (-2162) (-)

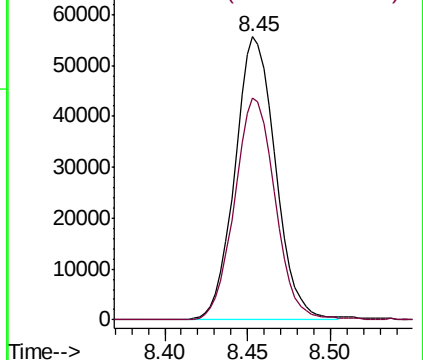
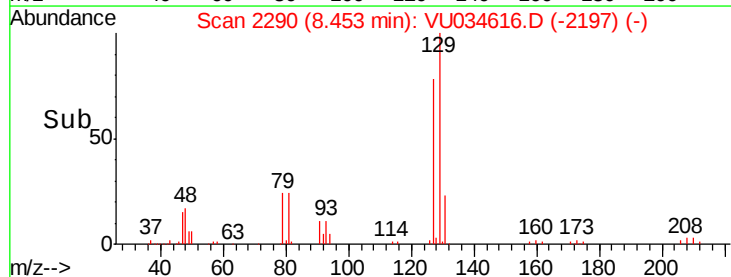


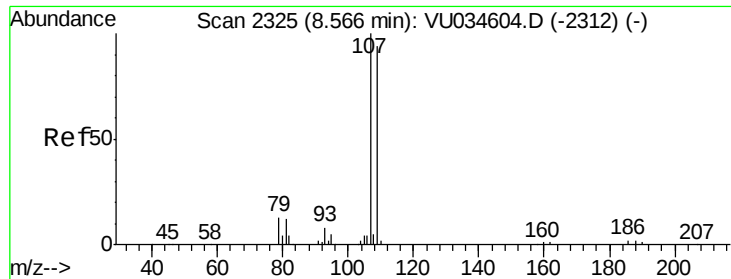
#49
Dibromochloromethane
Concen: 53.732 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

Tgt Ion:	129	Resp:	94784
Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.5	99.5



Abundance Ion 129.00 (128.70 to 129.70): VU034616.D (-2197) (-)

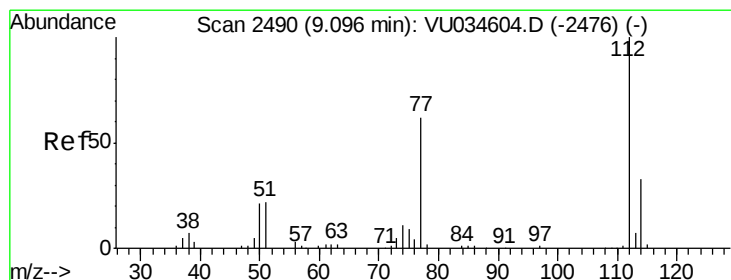
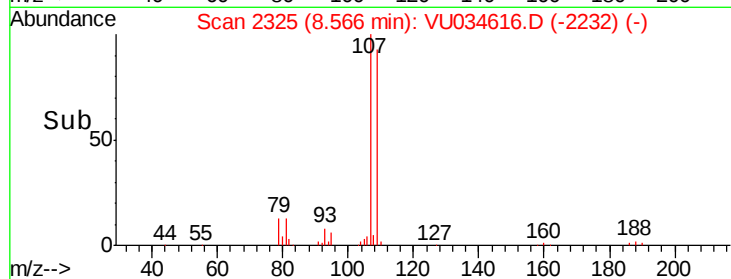
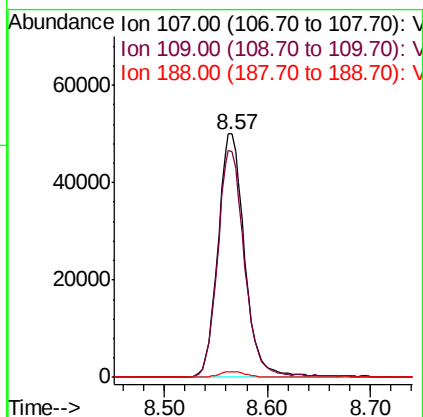
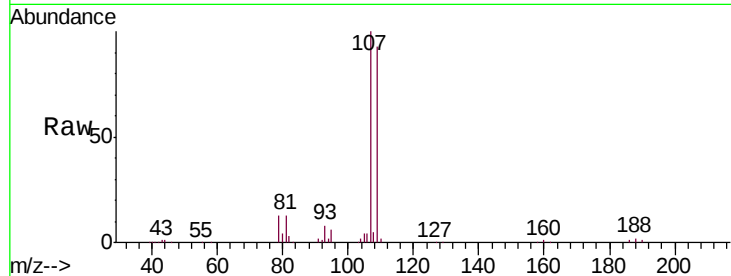




#50
1,2-Dibromoethane
Concen: 55.221 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

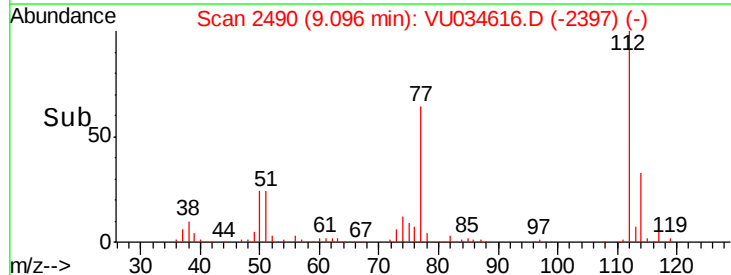
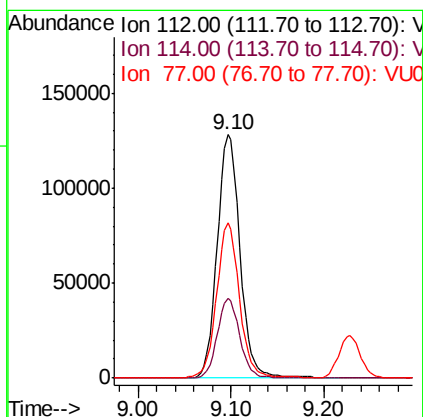
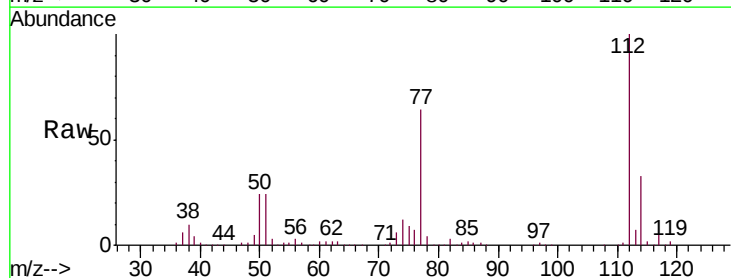
Instrument :
MSVOA_U
ClientSampleId :
VSTD05057

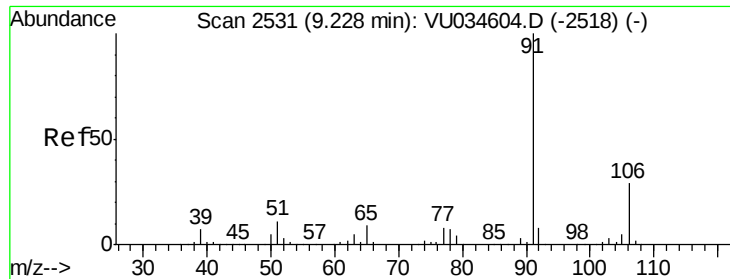
Tgt Ion:107 Resp: 89899
Ion Ratio Lower Upper
107 100
109 92.6 65.9 122.3
188 2.3 2.6 3.8#



#51
Chlorobenzene
Concen: 55.386 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034616.D
Acq: 17 Sep 2019 15:27

Tgt Ion:112 Resp: 219391
Ion Ratio Lower Upper
112 100
114 32.6 23.0 42.8
77 63.7 49.0 73.6





#52

Ethylbenzene

Concen: 56.823 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

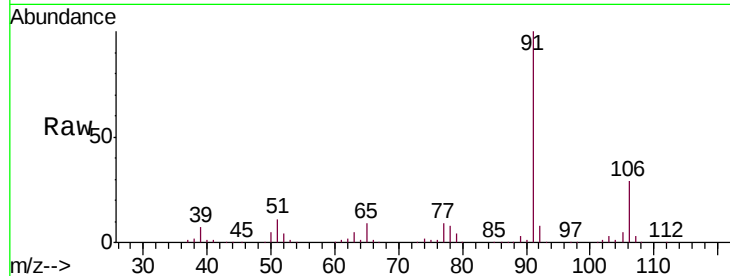
VSTD05057

Tgt Ion: 91 Resp: 398619

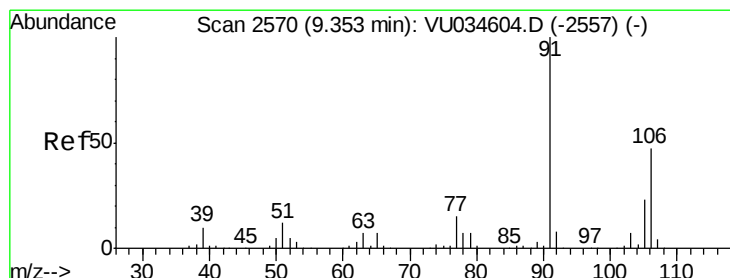
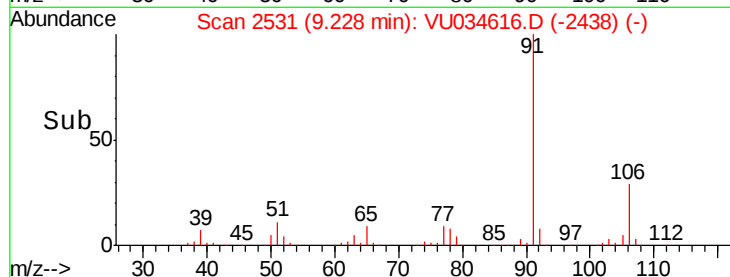
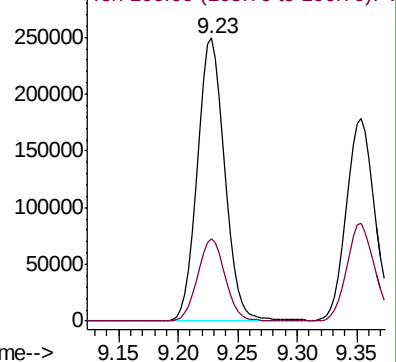
Ion Ratio Lower Upper

91 100

106 29.3 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VU034616.D (-2438) (-)



#53

m,p-Xylene

Concen: 55.700 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034616.D

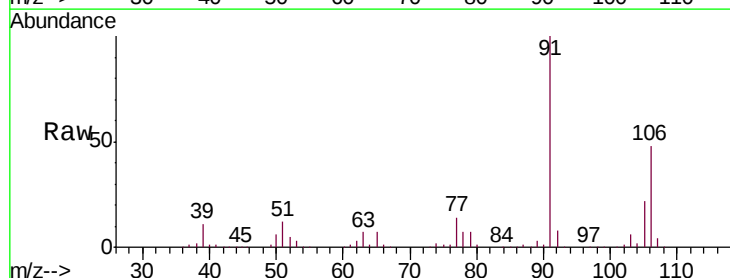
Acq: 17 Sep 2019 15:27

Tgt Ion: 106 Resp: 140481

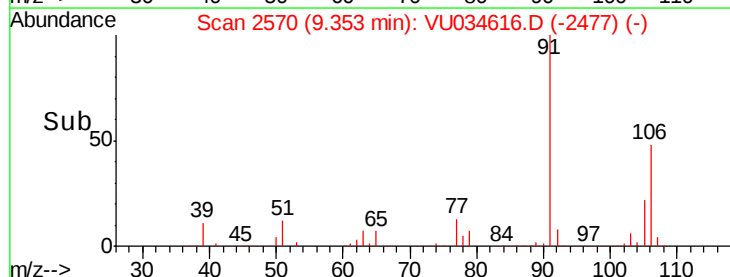
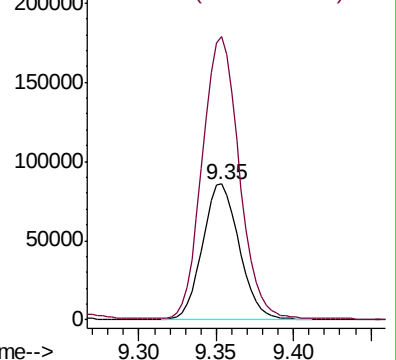
Ion Ratio Lower Upper

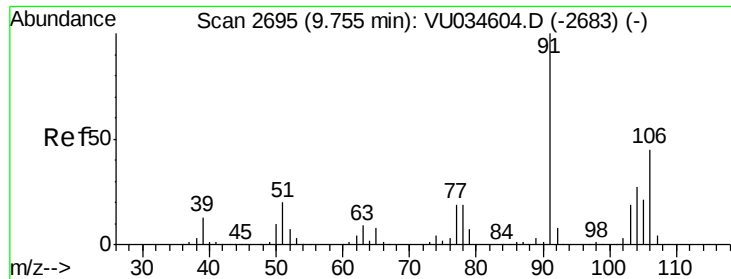
106 100

91 208.2 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): VU034616.D (-2477) (-)





#54

o-xylene

Concen: 56.176 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

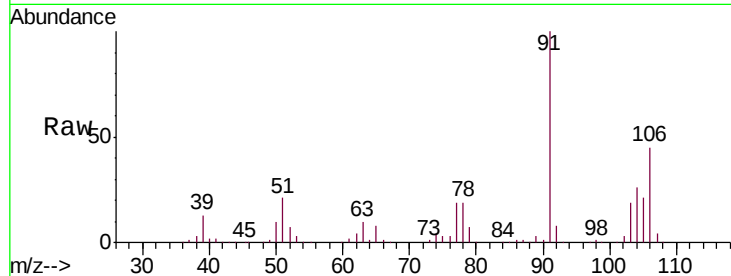
VSTD05057

Tgt Ion:106 Resp: 143740

Ion Ratio Lower Upper

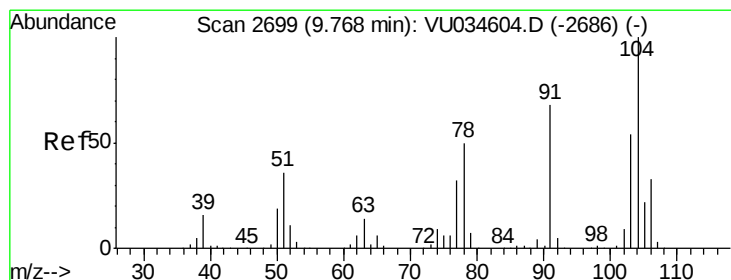
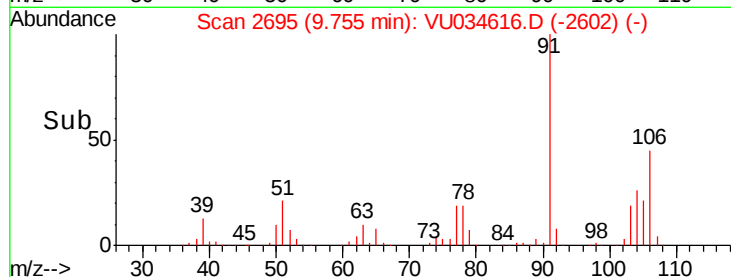
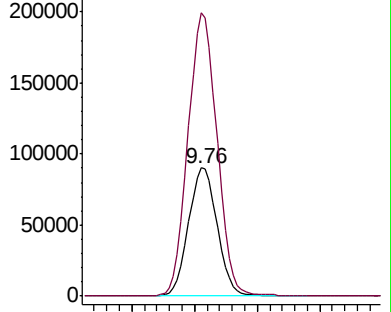
106 100

91 221.1 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 56.309 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034616.D

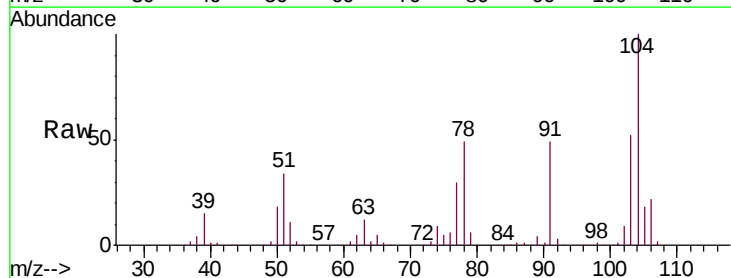
Acq: 17 Sep 2019 15:27

Tgt Ion:104 Resp: 247994

Ion Ratio Lower Upper

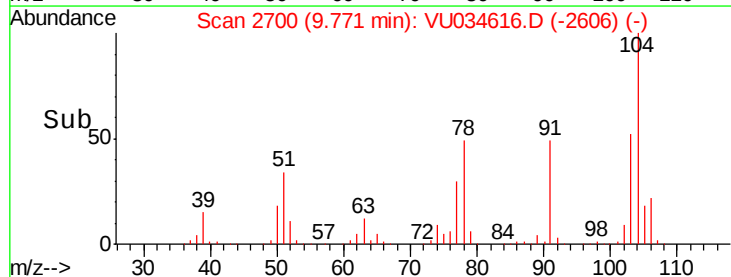
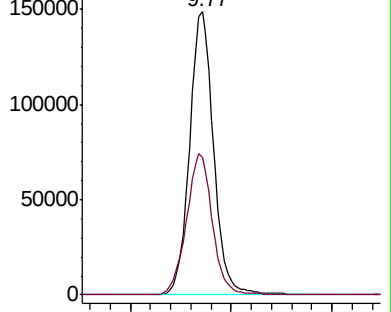
104 100

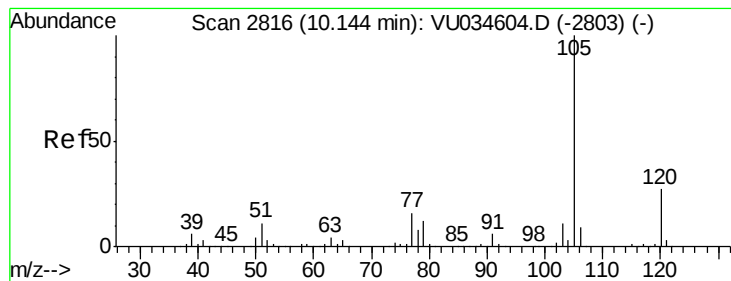
78 48.8 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 56.933 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

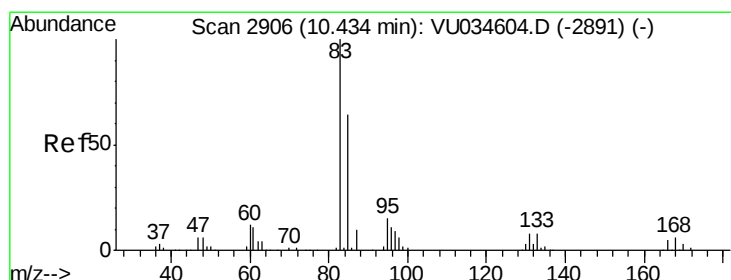
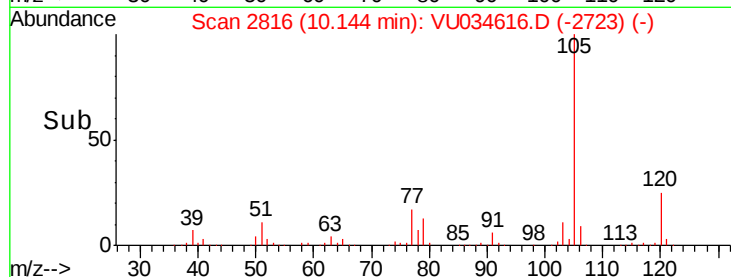
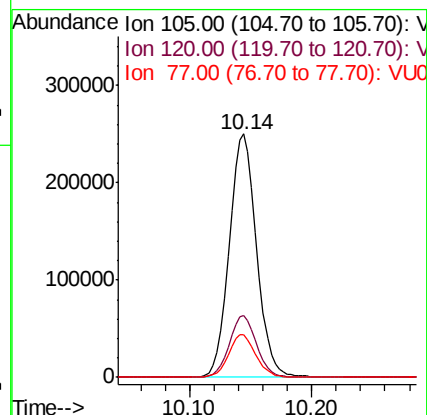
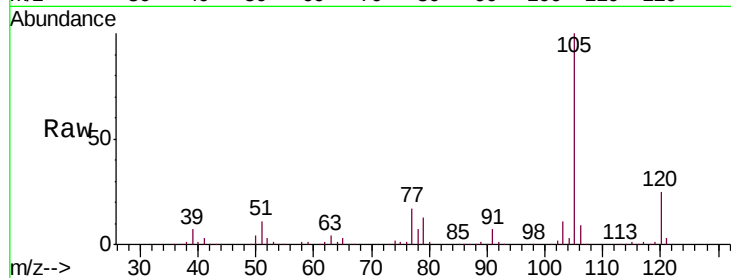
Tgt Ion: 105 Resp: 391820

Ion Ratio Lower Upper

105 100

120 25.3 21.2 31.8

77 17.5 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 56.517 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

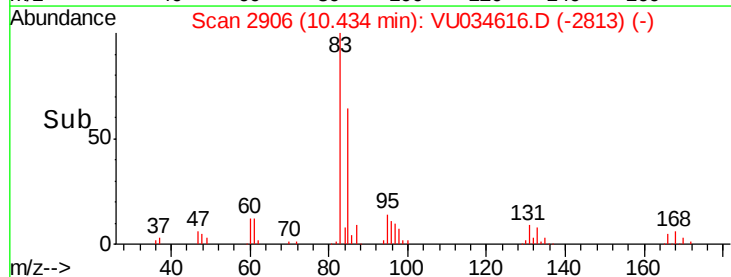
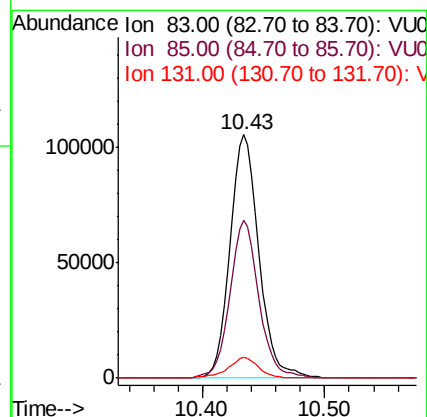
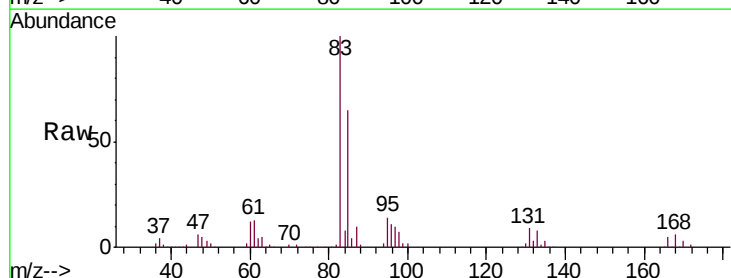
Tgt Ion: 83 Resp: 175055

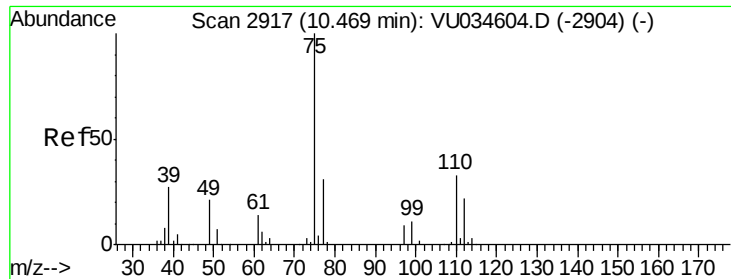
Ion Ratio Lower Upper

83 100

85 64.6 44.5 82.7

131 8.5 6.8 10.2

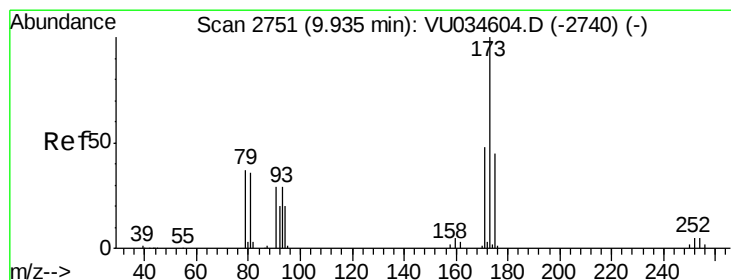
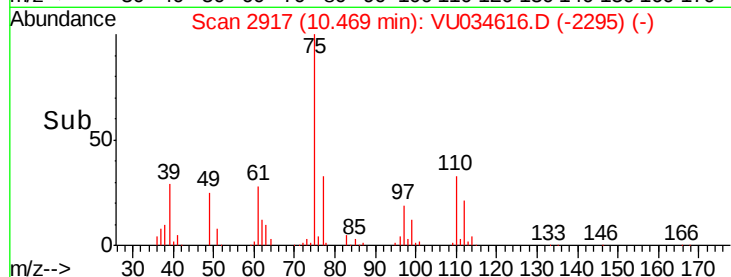
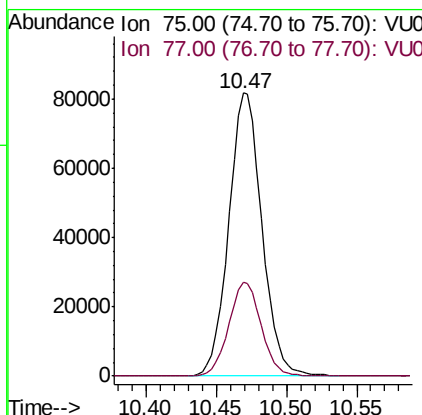
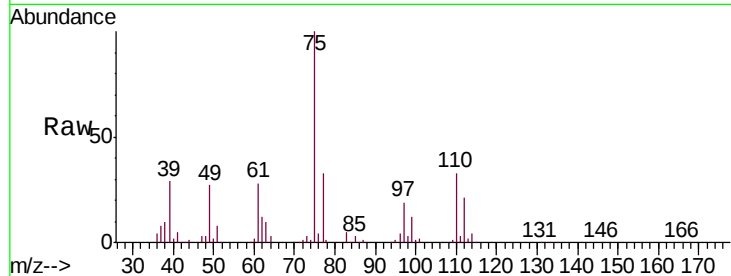




#59
 1,2,3-Trichloropropane
 Concen: 57.577 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

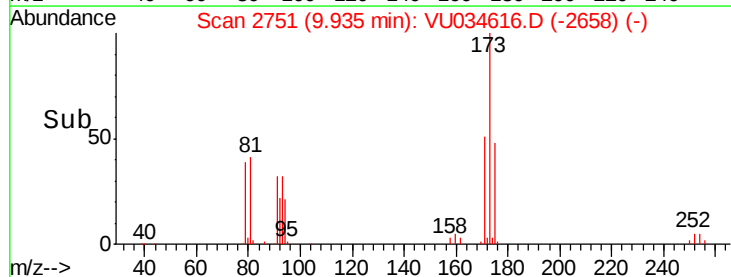
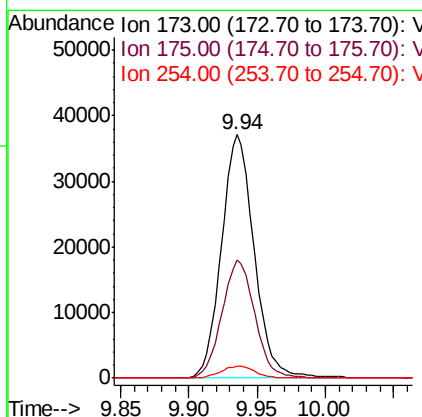
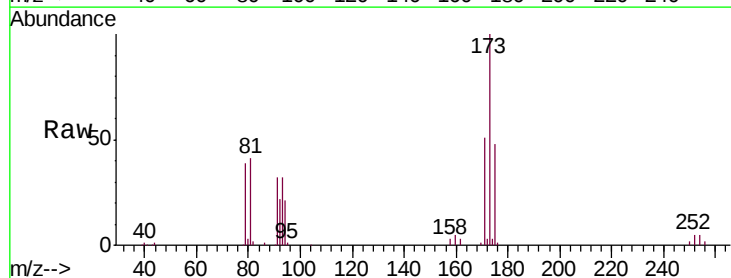
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

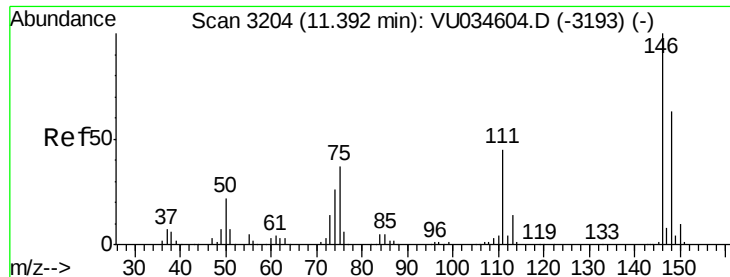
Tgt Ion: 75 Resp: 134230
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.1 39.1



#61
 Bromoform
 Concen: 49.859 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

Tgt Ion: 173 Resp: 61799
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.6 56.4
 254 5.1 4.6 7.0

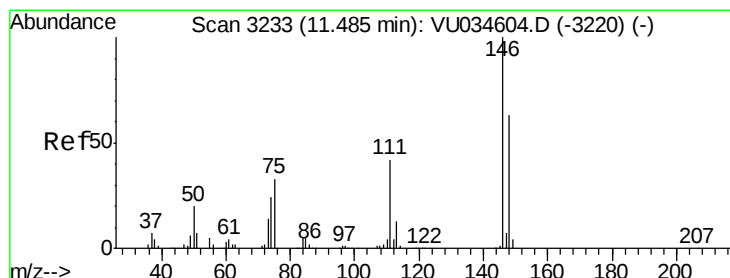
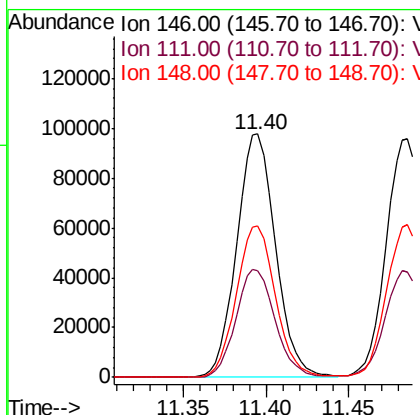
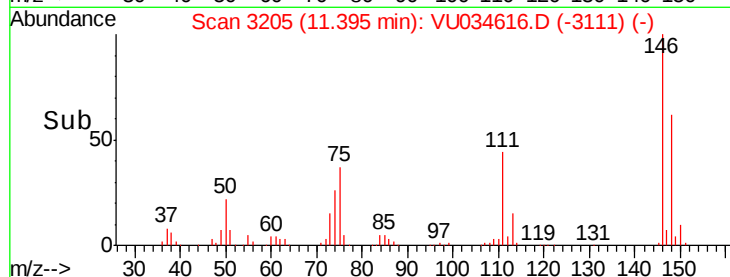
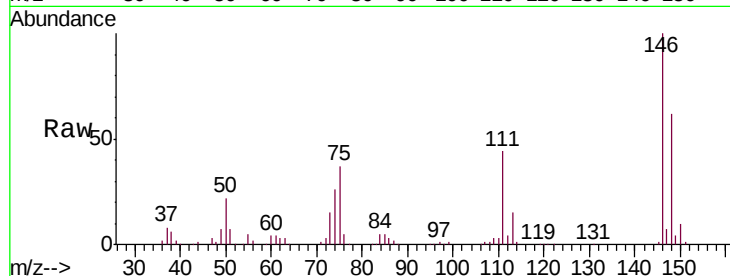




#62
 1,3-Dichlorobenzene
 Concen: 54.834 ug/L
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

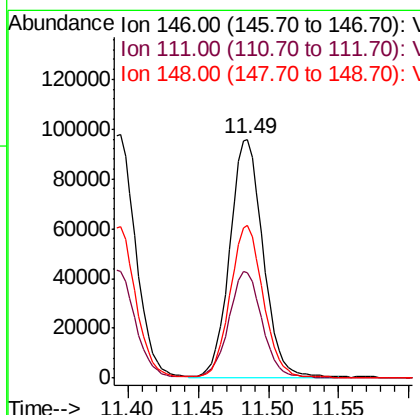
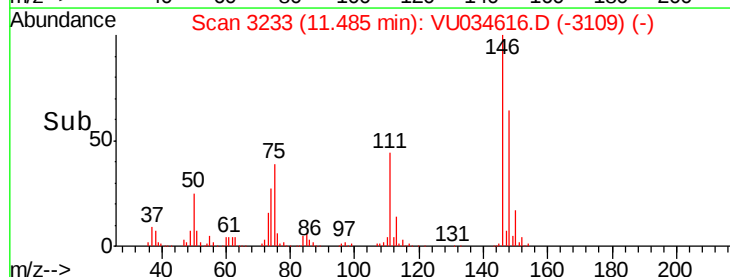
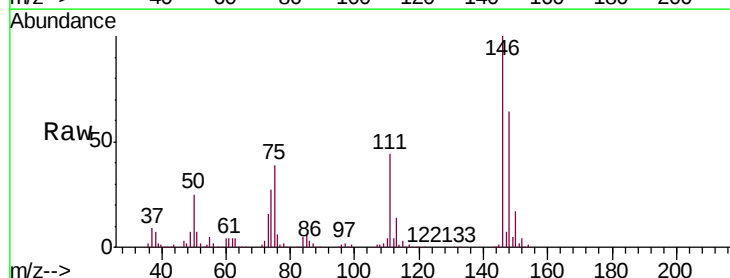
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

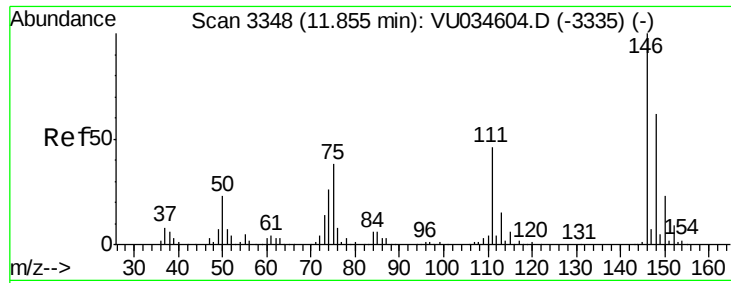
Tgt Ion:146 Resp: 159601
 Ion Ratio Lower Upper
 146 100
 111 43.6 30.2 56.0
 148 62.4 45.5 84.5



#63
 1,4-Dichlorobenzene
 Concen: 54.232 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

Tgt Ion:146 Resp: 159391
 Ion Ratio Lower Upper
 146 100
 111 44.3 27.6 51.2
 148 64.1 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 55.770 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampled :

VSTD05057

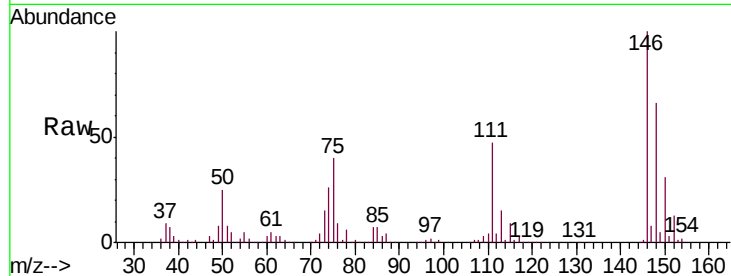
Tgt Ion:146 Resp: 163740

Ion Ratio Lower Upper

146 100

111 47.1 34.5 51.7

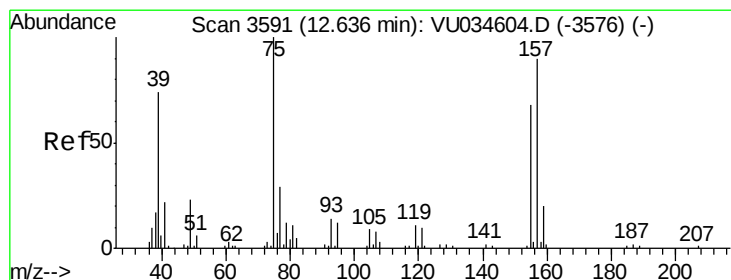
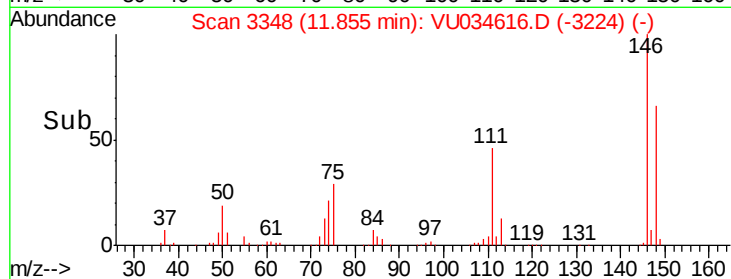
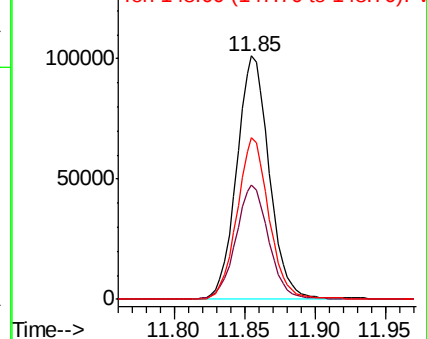
148 66.2 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 57.512 ug/L

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

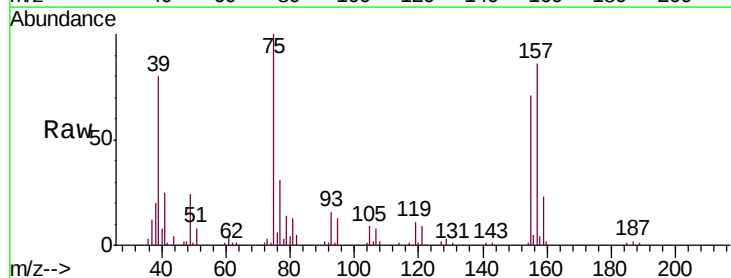
Tgt Ion: 75 Resp: 38255

Ion Ratio Lower Upper

75 100

155 71.0 61.8 92.6

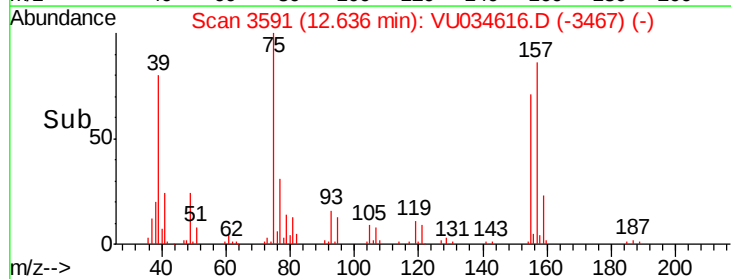
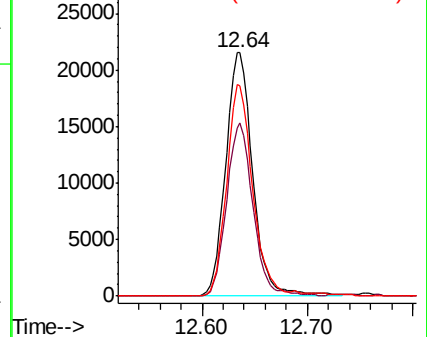
157 86.3 80.5 120.7

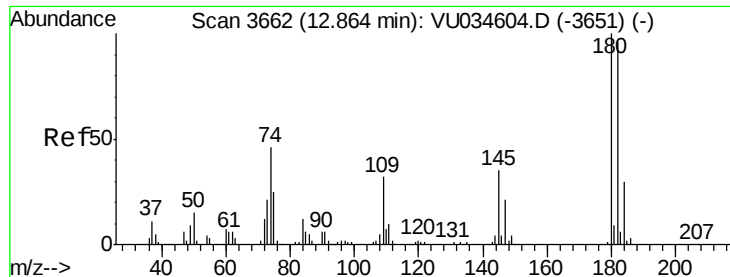


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

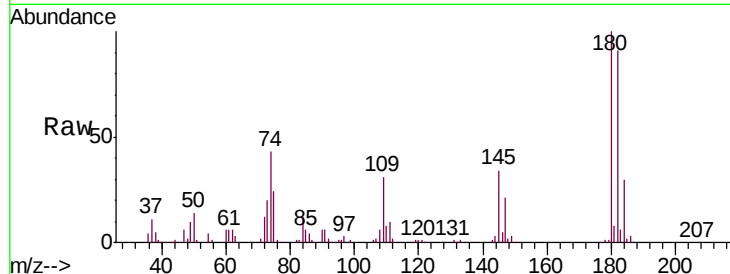




#67
 1,3,5-Trichlorobenzene
 Concen: 54.234 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.9	116.9
184	29.8	24.2	36.4
145	33.8	25.8	38.6



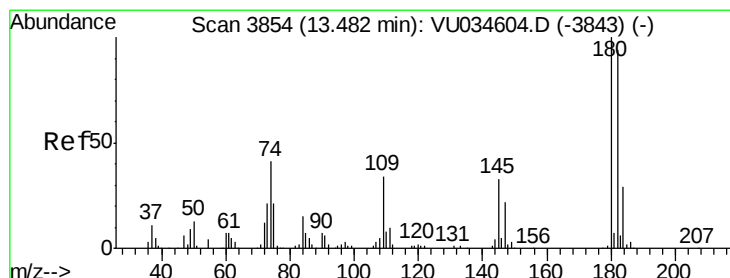
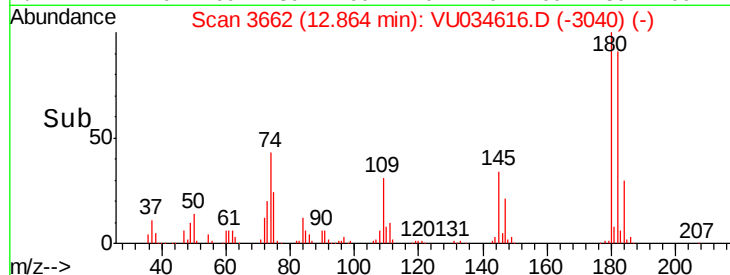
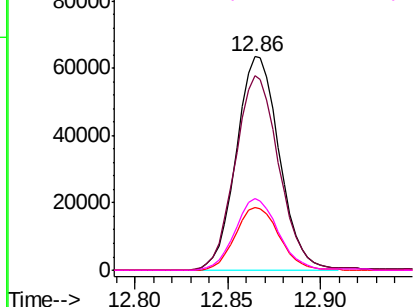
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

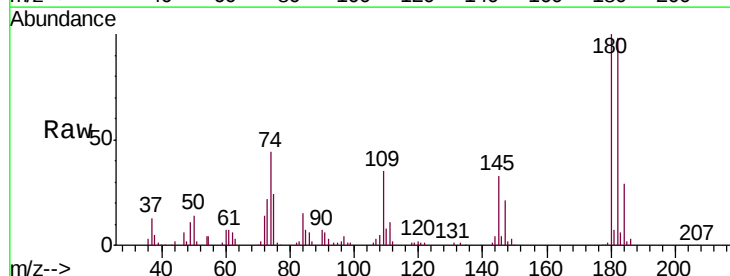
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.796 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034616.D
 Acq: 17 Sep 2019 15:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.7	113.5
145	33.1	25.9	38.9

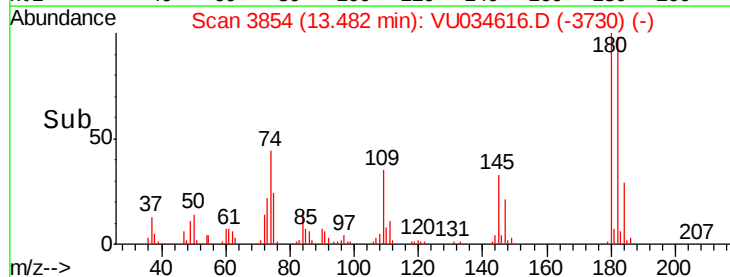
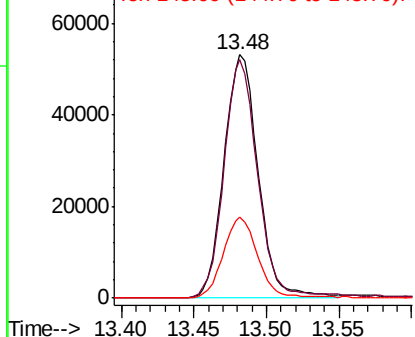


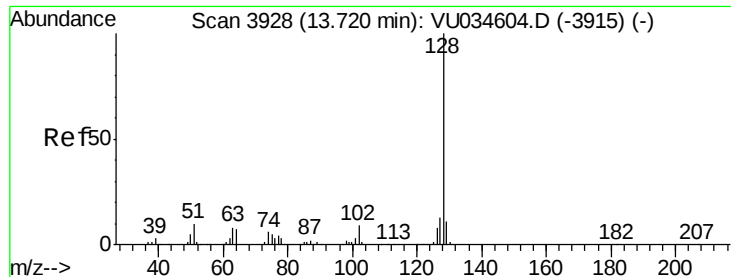
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 58.467 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. 0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05057

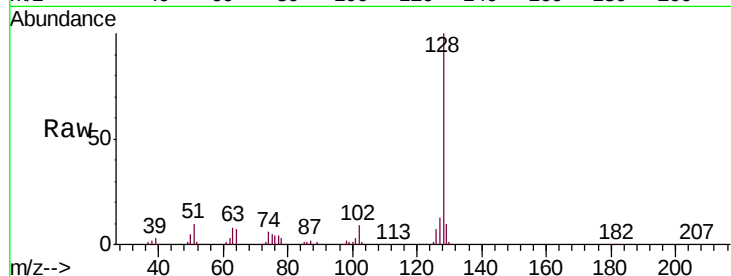
Tgt Ion:128 Resp: 350067

Ion Ratio Lower Upper

128 100

127 12.4 10.0 15.0

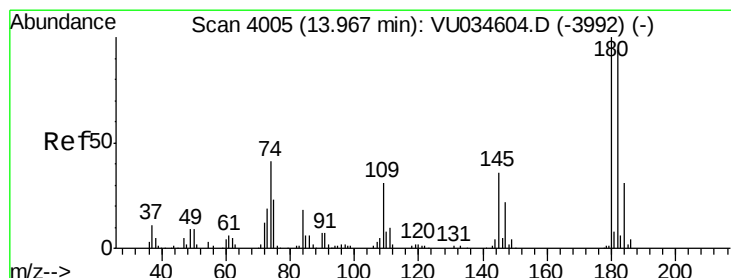
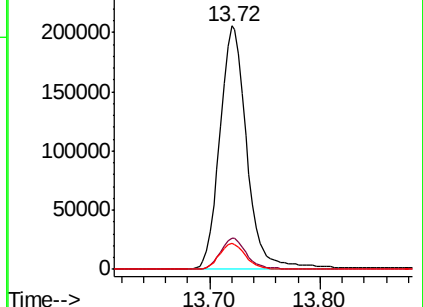
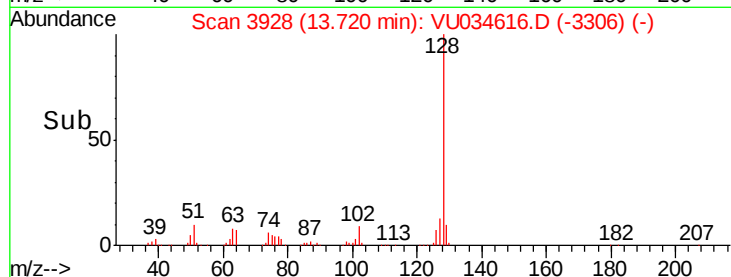
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.596 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034616.D

Acq: 17 Sep 2019 15:27

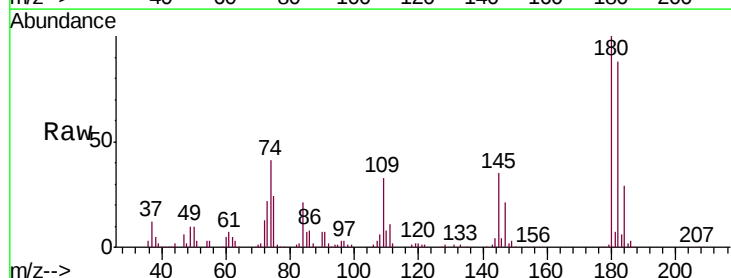
Tgt Ion:180 Resp: 88921

Ion Ratio Lower Upper

180 100

182 91.9 77.1 115.7

145 35.1 27.4 41.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

