

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102419\
 Data File : VV013315.D
 Acq On : 24 Oct 2019 13:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 25 13:28:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 24 16:16:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1216344	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1163174	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	635412	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	420399	52.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.28%
7) Chloroethane-d5	1.58	69	349837	56.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	112.42%
11) 1,1-Dichloroethene-d2	2.13	63	689880	58.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.94%
21) 2-Butanone-d5	3.92	46	570965	105.69	ug/L	-0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.69%
24) Chloroform-d	4.40	84	921497	53.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.06%
26) 1,2-Dichloroethane-d4	5.07	65	549948	53.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.60%
32) Benzene-d6	5.09	84	1886178	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
36) 1,2-Dichloropropane-d6	6.11	67	585185	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.54%
41) Toluene-d8	7.35	98	1773070	54.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.82%
43) trans-1,3-Dichloropropene-	7.66	79	278062	56.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	113.66%
47) 2-Hexanone-d5	8.13	63	403261	120.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.07%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	745087	50.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.66%
64) 1,2-Dichlorobenzene-d4	11.67	152	757599	51.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	547494	52.352	ug/L	98
3) Chloromethane	1.25	50	451438	57.285	ug/L	99
5) Vinyl chloride	1.32	62	471741	58.015	ug/L	97
6) Bromomethane	1.53	94	259279	62.203	ug/L	99
8) Chloroethane	1.60	64	267452	58.536	ug/L	99
9) Trichlorofluoromethane	1.77	101	656421	58.047	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	391348	61.227	ug/L	98
12) 1,1-Dichloroethene	2.14	96	361640	58.727	ug/L	98
13) Acetone	2.18	43	482472	120.855	ug/L	96
14) Carbon disulfide	2.32	76	1205581	56.511	ug/L	100
15) Methyl Acetate	2.45	43	421354	50.710	ug/L	97
16) Methylene chloride	2.53	84	490555	53.594	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	455360	53.576	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	1317136	53.497	ug/L	99
19) 1,1-Dichloroethane	3.23	63	810866	52.805	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	506192	54.955	ug/L	96
22) 2-Butanone	4.00	43	665828	116.316	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102419\
 Data File : VV013315.D
 Acq On : 24 Oct 2019 13:35
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 25 13:28:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 24 16:16:27 2019
 Response via : Initial Calibration

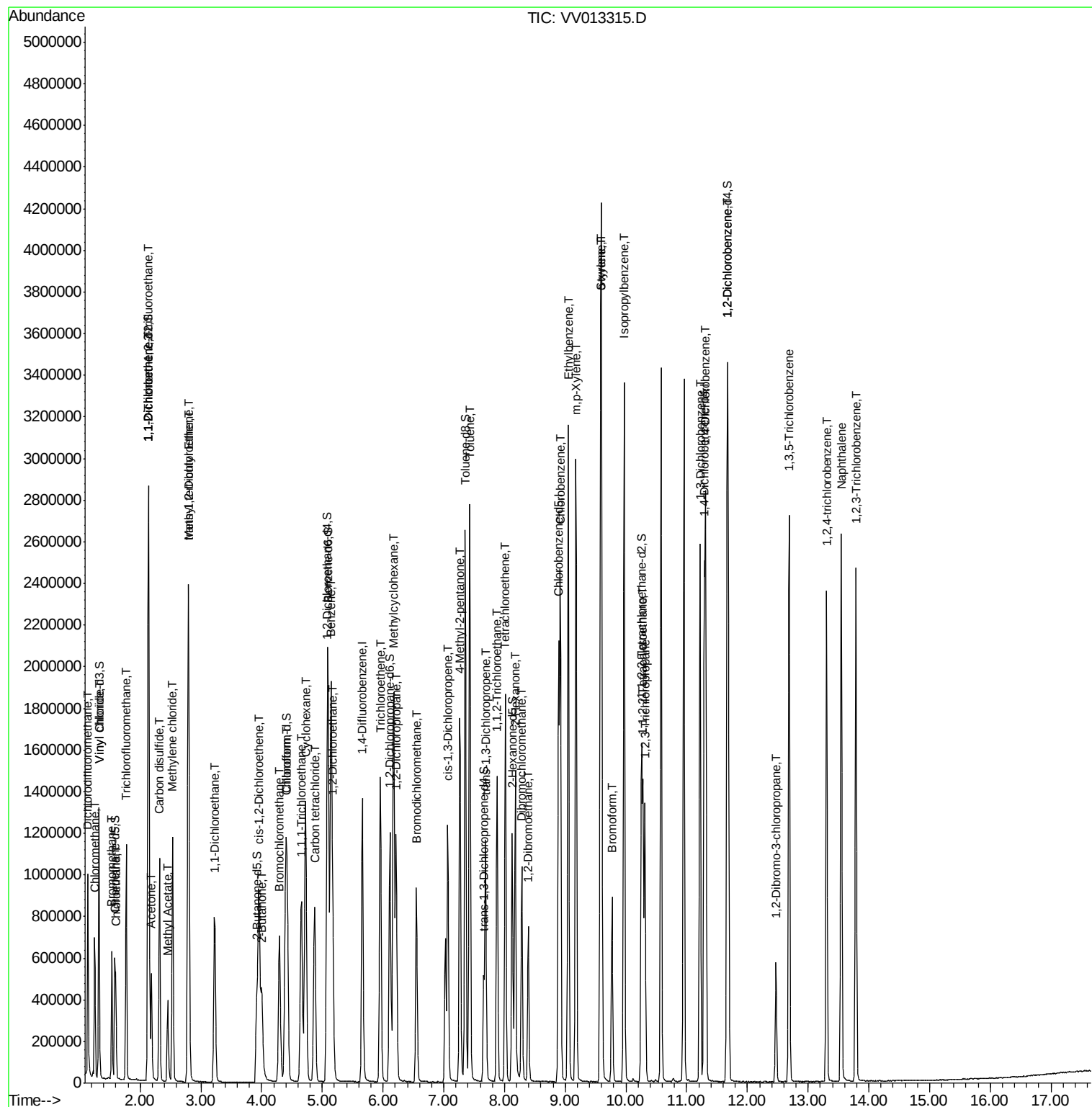
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	266409	53.441	uq/L	98
25) Chloroform	4.42	83	834790	53.123	uq/L	99
27) 1,2-Dichloroethane	5.17	62	608034	53.091	uq/L	99
29) Cyclohexane	4.72	56	745513	55.313	uq/L	99
30) 1,1,1-Trichloroethane	4.66	97	704574	52.339	uq/L	100
31) Carbon tetrachloride	4.87	117	652452	53.758	uq/L	100
33) Benzene	5.14	78	1875224	53.078	uq/L	100
34) Trichloroethene	5.95	95	492878	53.285	uq/L	100
35) Methylcyclohexane	6.17	83	807162	57.412	uq/L	99
37) 1,2-Dichloropropane	6.22	63	476520	53.548	uq/L	99
38) Bromodichloromethane	6.55	83	616440	52.599	uq/L	100
39) cis-1,3-Dichloropropene	7.07	75	738449	55.503	uq/L	99
40) 4-Methyl-2-pentanone	7.26	43	1112349	100.585	uq/L	99
42) Toluene	7.43	91	2015214	55.638	uq/L	100
44) trans-1,3-Dichloropropene	7.69	75	641944	56.416	uq/L	100
45) 1,1,2-Trichloroethane	7.88	97	464489	53.016	uq/L	99
46) Tetrachloroethene	8.02	164	459114	55.650	uq/L	98
48) 2-Hexanone	8.18	43	889756	99.120	uq/L	98
49) Dibromochloromethane	8.28	129	538451	54.248	uq/L	98
50) 1,2-Dibromoethane	8.39	107	488779	52.501	uq/L	98
51) Chlorobenzene	8.92	112	1334850	54.197	uq/L	98
52) Ethylbenzene	9.05	91	2201904	57.544	uq/L	99
53) m,p-Xylene	9.18	106	874715	58.859	uq/L	98
54) o-xylene	9.58	106	833592	57.519	uq/L	99
55) Styrene	9.60	104	1455220	59.206	uq/L	100
56) Isopropylbenzene	9.97	105	2185060	59.010	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	664624	49.270	uq/L	99
59) 1,2,3-Trichloropropane	10.31	75	538951	48.554	uq/L	100
61) Bromoform	9.77	173	416078	50.170	uq/L	99
62) 1,3-Dichlorobenzene	11.22	146	1124646	54.824	uq/L	99
63) 1,4-Dichlorobenzene	11.31	146	1143455	53.662	uq/L	100
65) 1,2-Dichlorobenzene	11.68	146	1122494	53.078	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	132470	44.656	uq/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	922148	59.689	uq/L	100
68) 1,2,4-trichlorobenzene	13.31	180	796133	61.400	uq/L	99
69) Naphthalene	13.55	128	2109491	60.078	uq/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	836831	60.244	uq/L	99

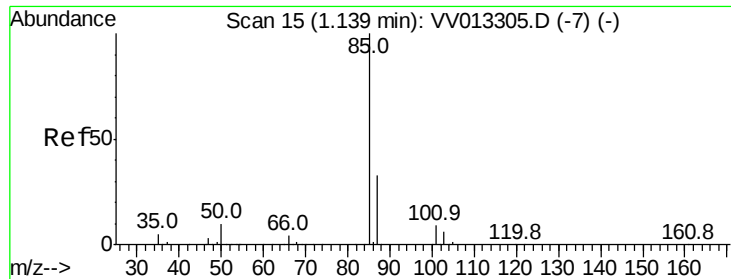
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV102419\
Data File : VV013315.D
Acq On : 24 Oct 2019 13:35
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00ML/MSVOA V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Oct 25 13:28:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 24 16:16:27 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 52.352 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

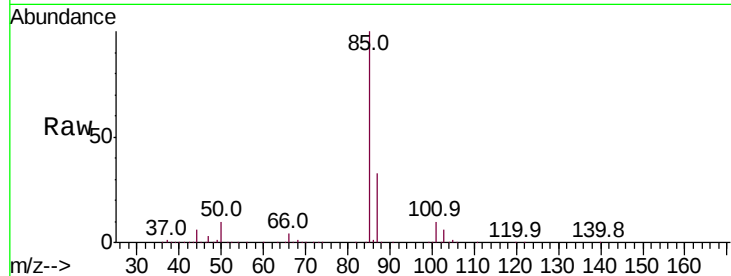
ClientSampleId :

Tot Ion: 85 Resp: 547494

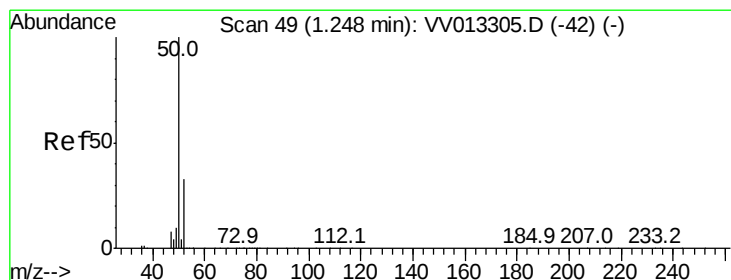
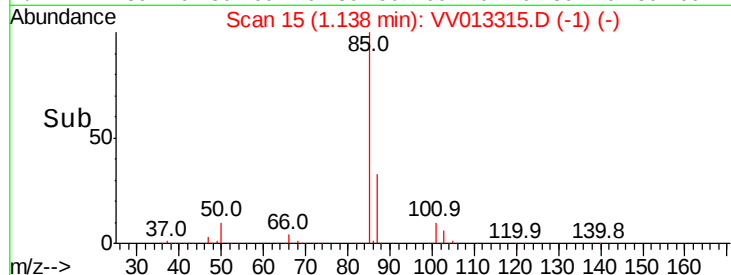
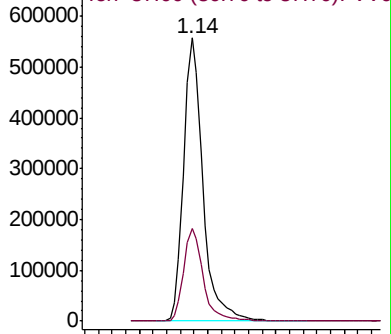
Ion Ratio Lower Upper

85 100

87 33.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV013315.D (-1) (-)



#3

Chloromethane

Concen: 57.285 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013315.D

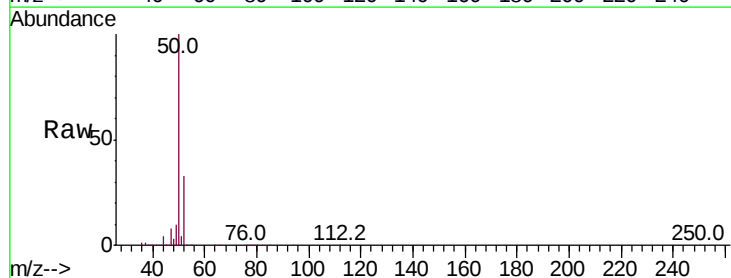
Acq: 24 Oct 2019 13:35

Tgt Ion: 50 Resp: 451438

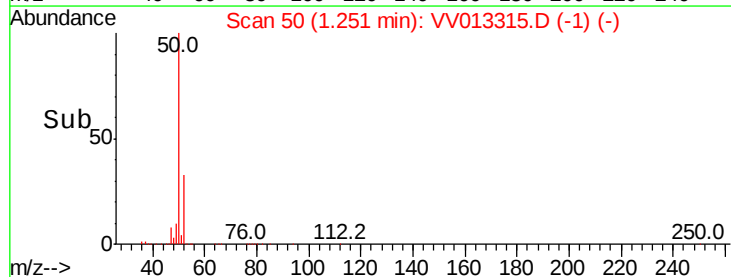
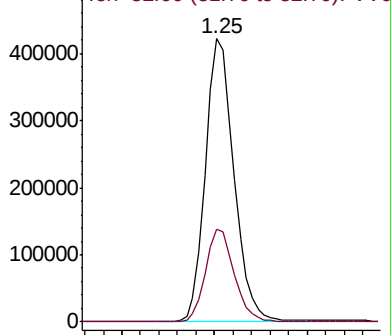
Ion Ratio Lower Upper

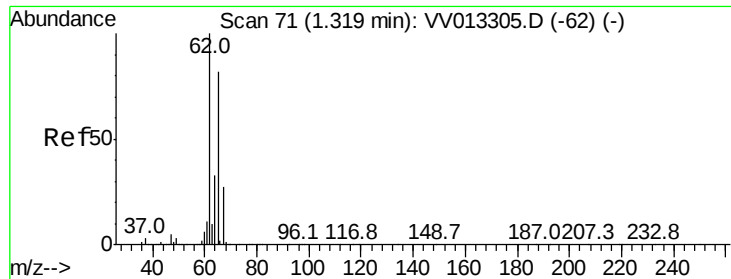
50 100

52 32.7 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV013315.D (-1) (-)





#5

Vinyl chloride

Concen: 58.015 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

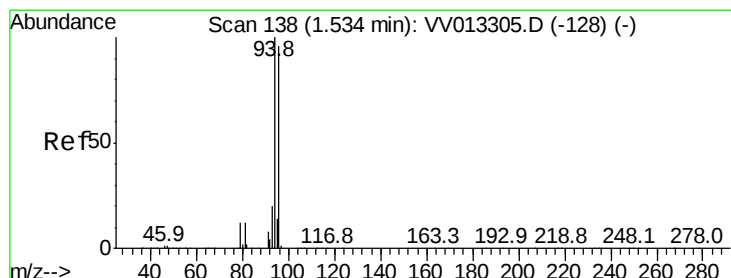
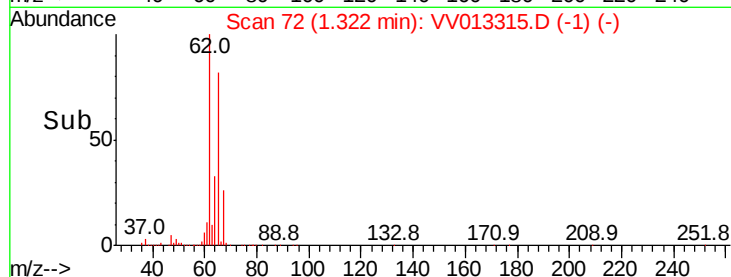
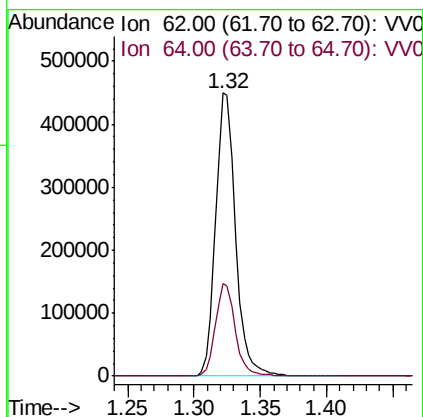
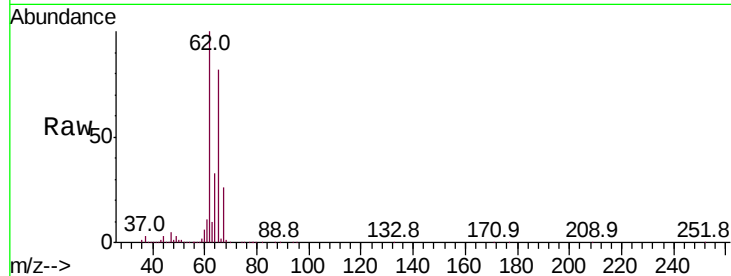
ClientSampleId :

Tot Ion: 62 Resp: 471741

Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.3



#6

Bromomethane

Concen: 62.203 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013315.D

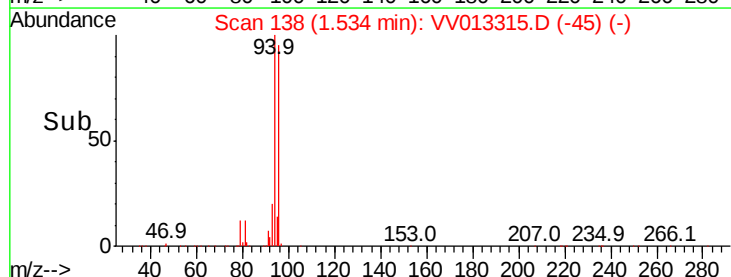
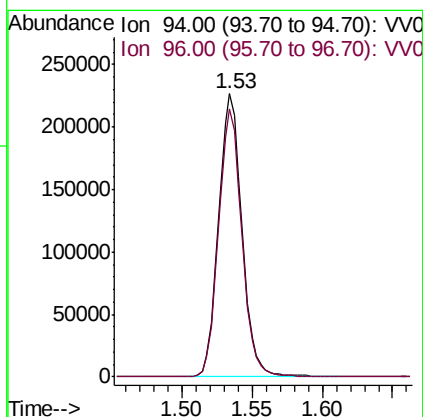
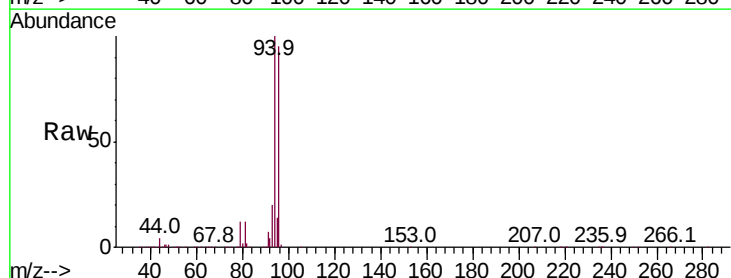
Acq: 24 Oct 2019 13:35

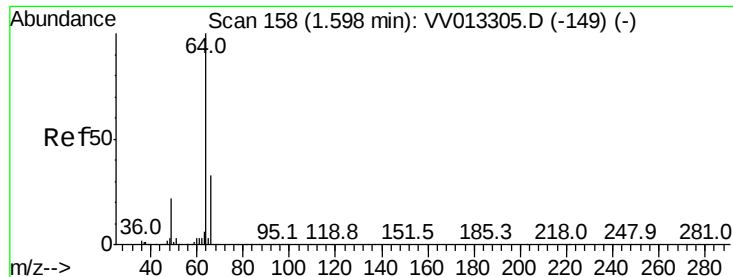
Tgt Ion: 94 Resp: 259279

Ion Ratio Lower Upper

94 100

96 94.7 65.7 121.9





#8

Chloroethane

Concen: 58.536 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

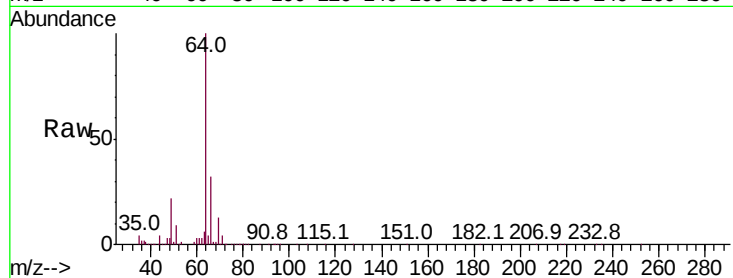
ClientSampleId :

Tot Ion: 64 Resp: 267452

Ion Ratio Lower Upper

64 100

66 32.4 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

250000

200000

150000

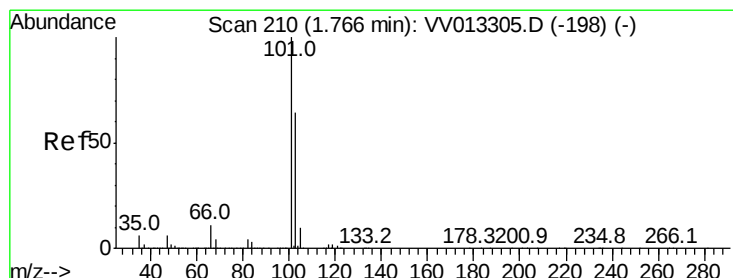
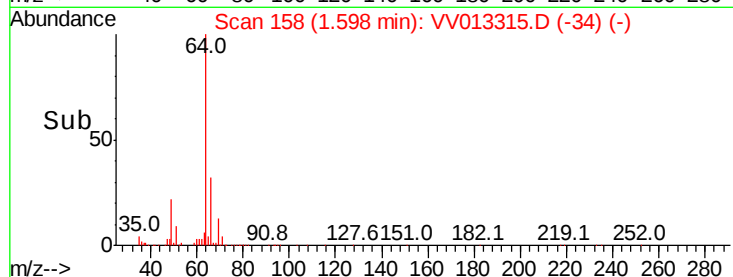
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 58.047 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.01 min

Lab File: VV013315.D

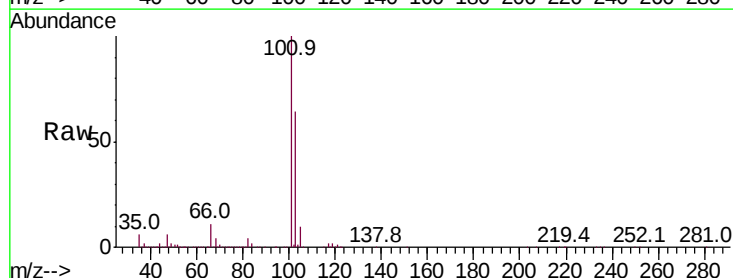
Acq: 24 Oct 2019 13:35

Tgt Ion: 101 Resp: 656421

Ion Ratio Lower Upper

101 100

103 64.6 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

600000

500000

400000

300000

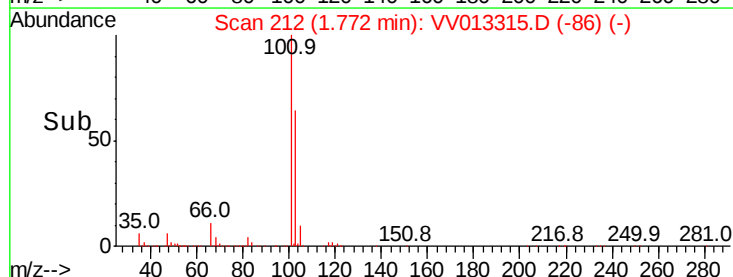
200000

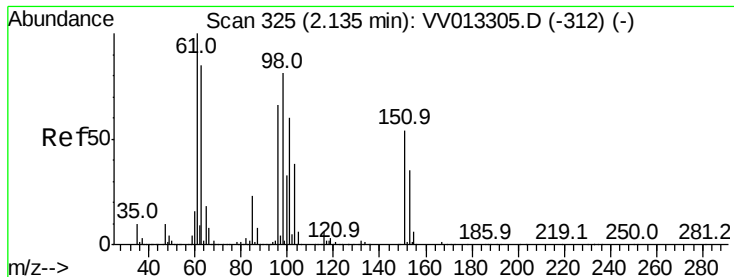
100000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 61.227 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

ClientSampleId :

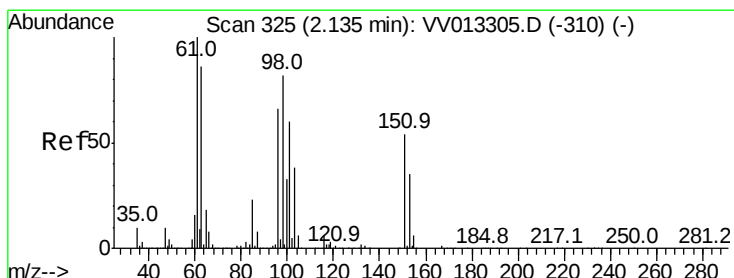
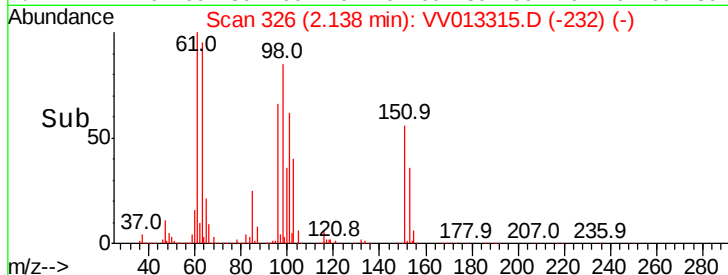
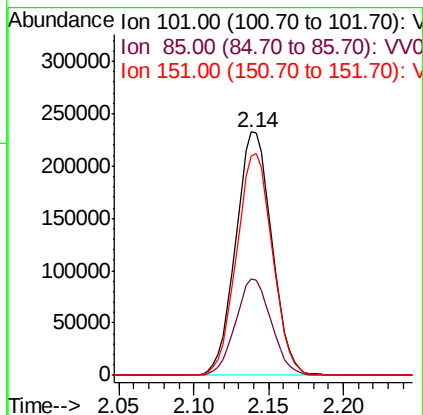
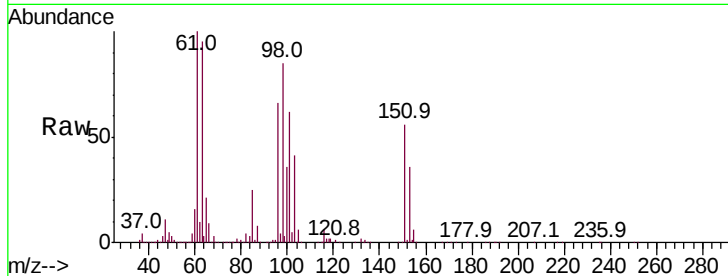
Tot Ion:101 Resp: 391348

Ion Ratio Lower Upper

101 100

85 39.0 31.4 47.2

151 90.5 74.6 112.0



#12

1,1-Dichloroethene

Concen: 58.727 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

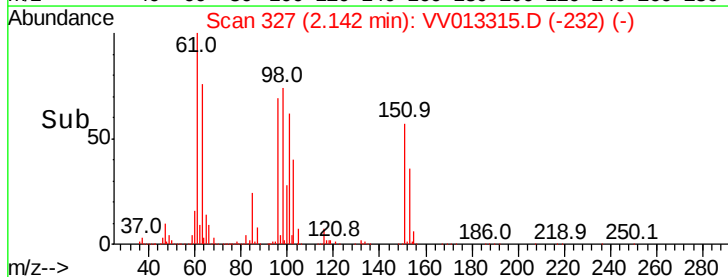
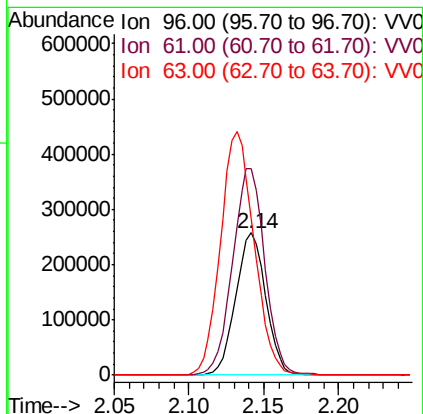
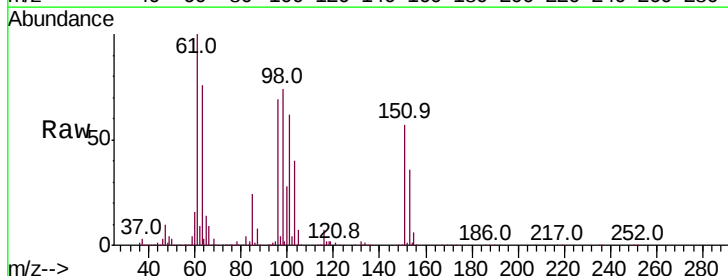
Tgt Ion: 96 Resp: 361640

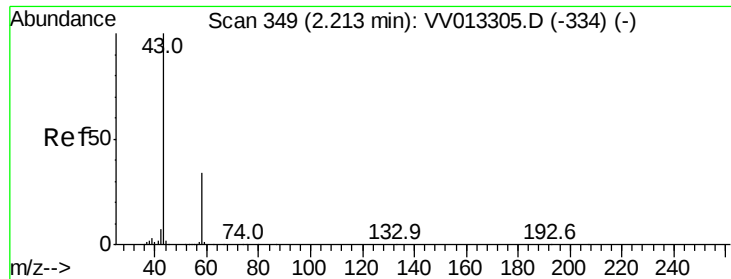
Ion Ratio Lower Upper

96 100

61 145.6 103.3 191.8

63 110.2 74.8 138.8





#13

Acetone

Concen: 120.855 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

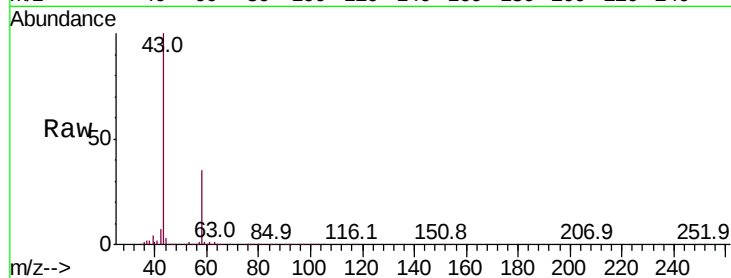
ClientSampleId :

Tot Ion: 43 Resp: 482472

Ion Ratio Lower Upper

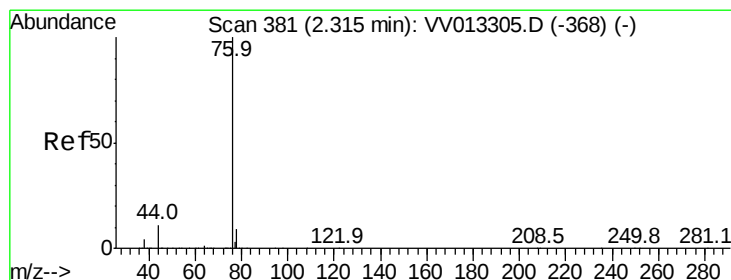
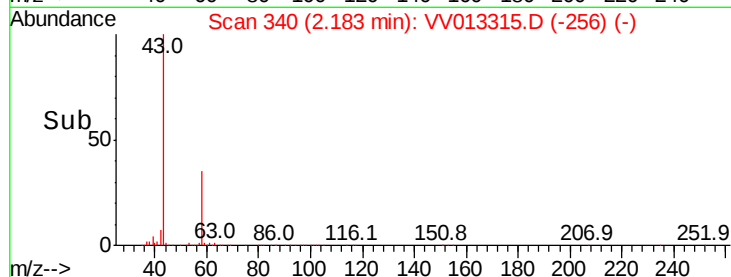
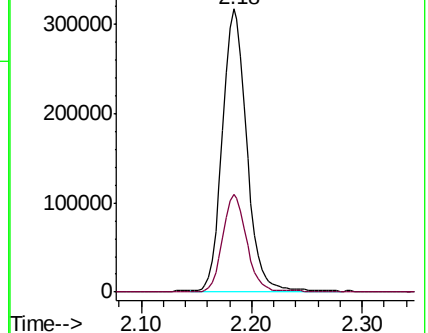
43 100

58 34.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 56.511 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013315.D

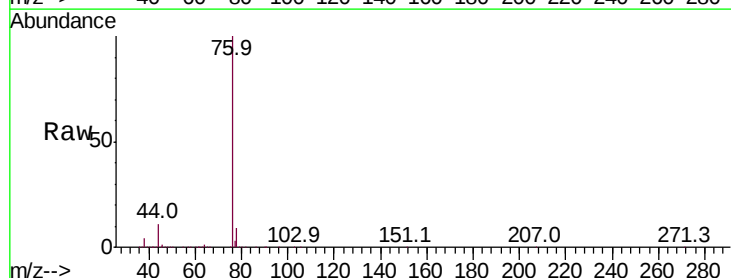
Acq: 24 Oct 2019 13:35

Tgt Ion: 76 Resp: 1205581

Ion Ratio Lower Upper

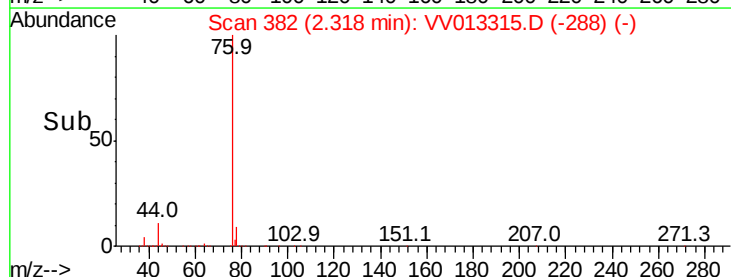
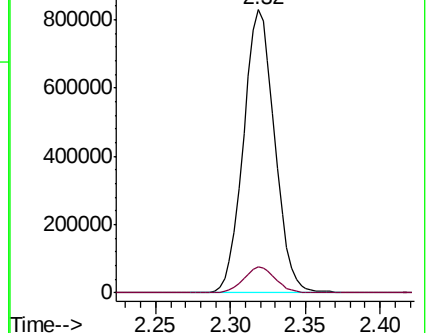
76 100

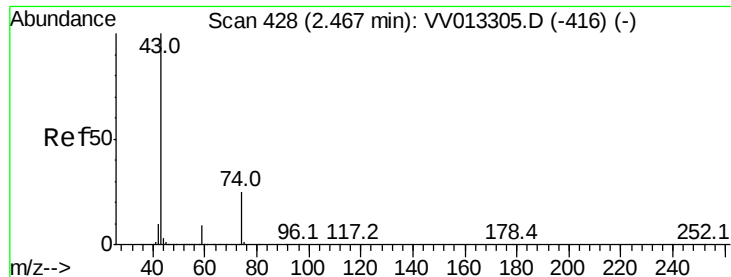
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

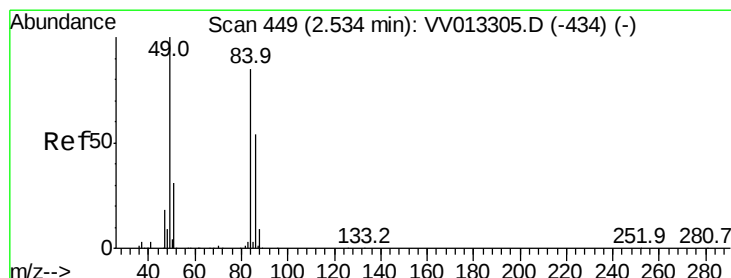
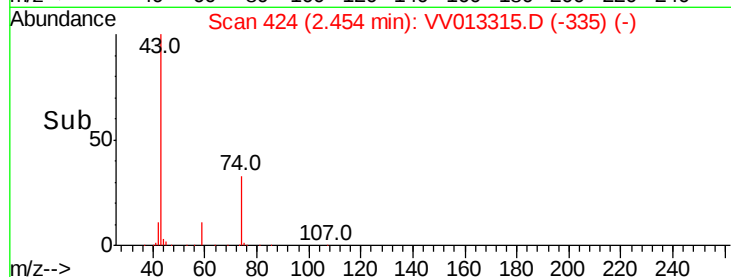
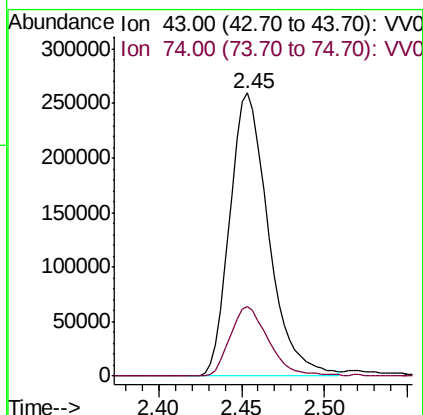
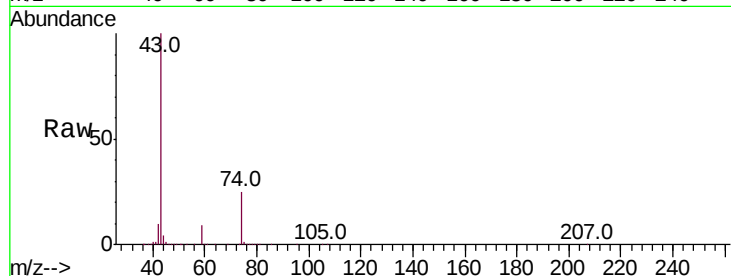




#15
Methvl Acetate
Concen: 50.710 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV013315.D
Acq: 24 Oct 2019 13:35

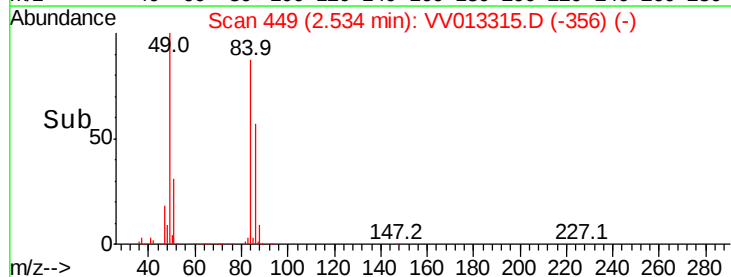
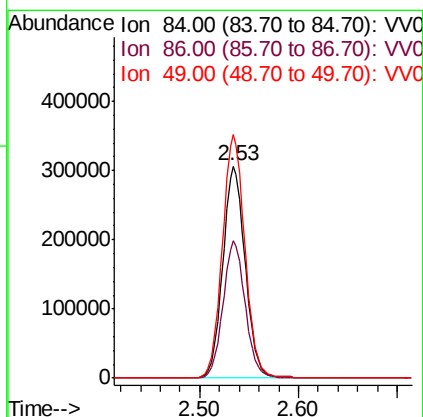
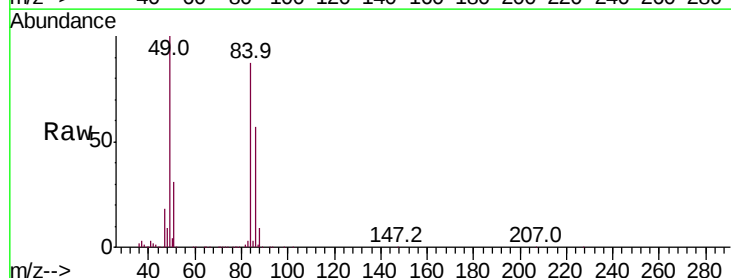
Instrument :
BNA_M
ClientSampleId :

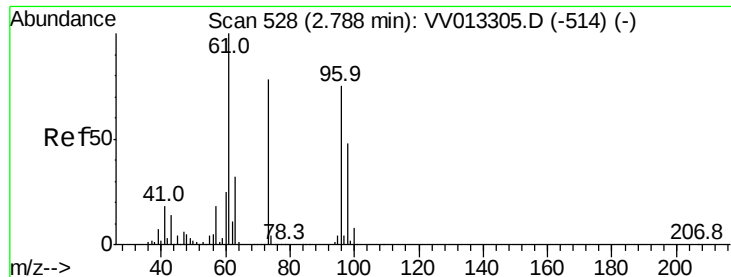
Tot Ion: 43 Resp: 421354
Ion Ratio Lower Upper
43 100
74 24.5 20.6 31.0



#16
Methylene chloride
Concen: 53.594 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 13:35

Tgt Ion: 84 Resp: 490555
Ion Ratio Lower Upper
84 100
86 64.9 46.2 85.8
49 114.8 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 53.576 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

ClientSampleId :

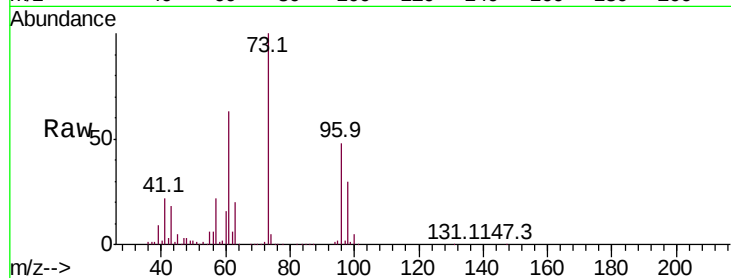
Tot Ion: 96 Resp: 455360

Ion Ratio Lower Upper

96 100

61 130.8 91.2 169.4

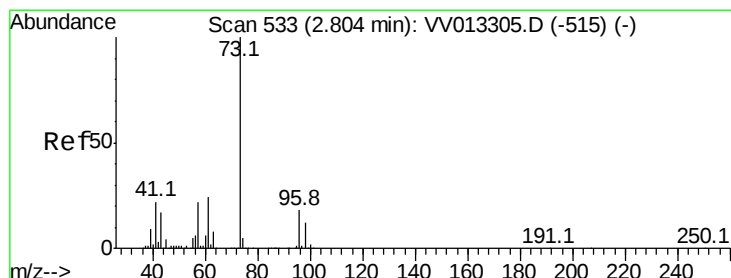
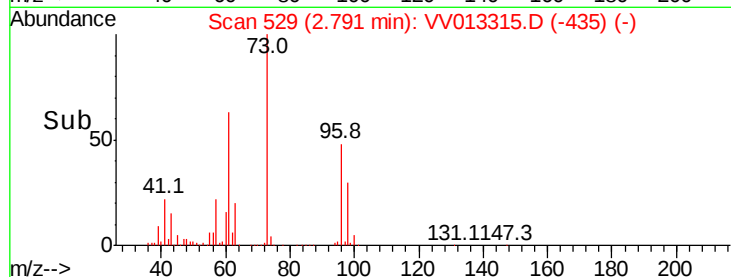
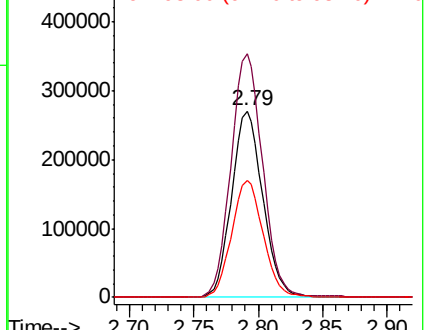
98 62.9 45.7 84.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 53.497 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.01 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

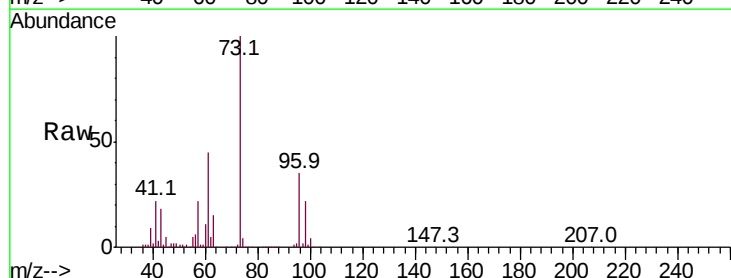
Tgt Ion: 73 Resp: 1317136

Ion Ratio Lower Upper

73 100

43 17.4 14.2 21.2

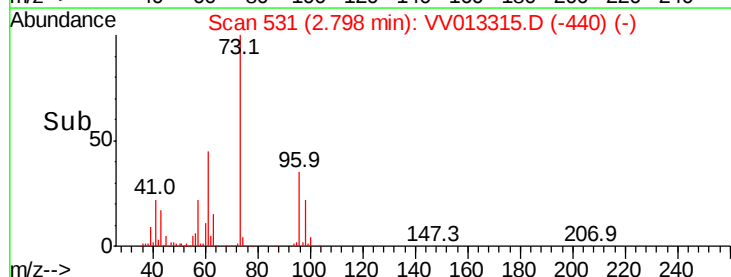
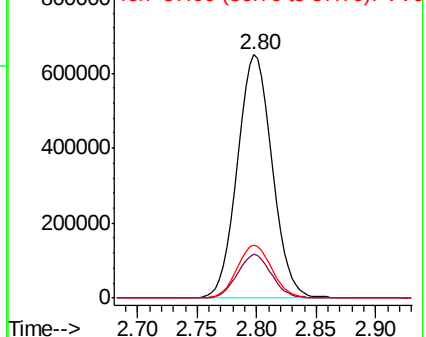
57 21.8 17.6 26.4

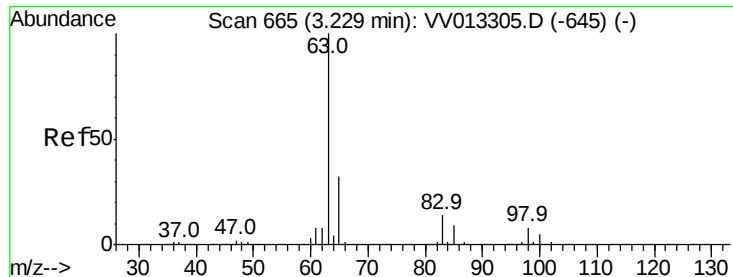


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 52.805 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

ClientSampleId :

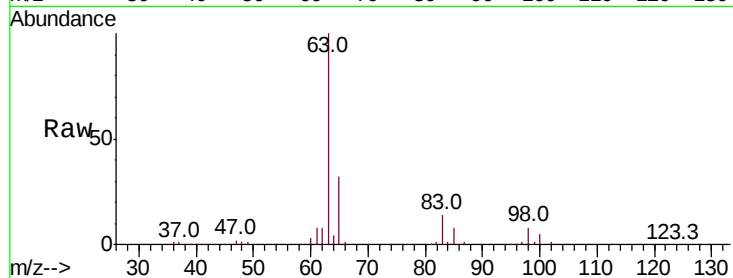
Tot Ion: 63 Resp: 810866

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

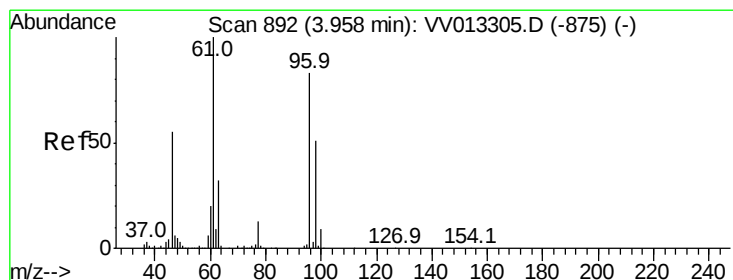
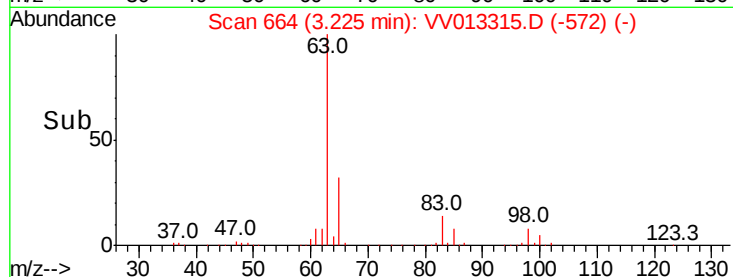
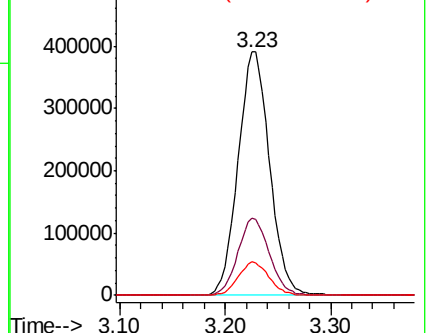
83 13.6 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 54.955 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

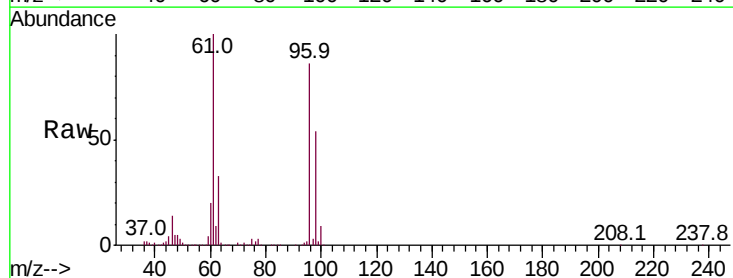
Tgt Ion: 96 Resp: 506192

Ion Ratio Lower Upper

96 100

61 116.8 84.8 157.4

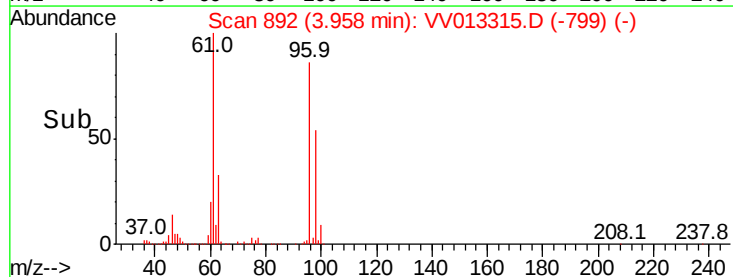
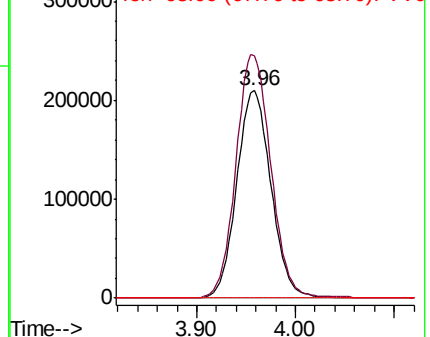
68 0.0 0.0 0.0

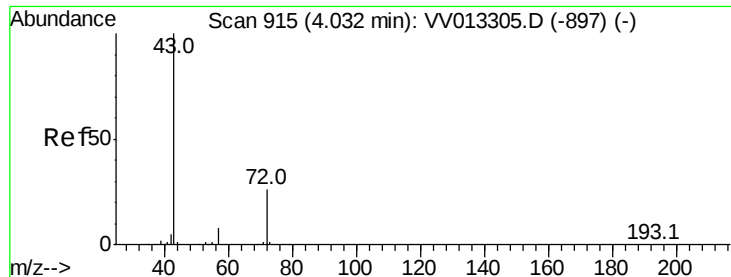


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 116.316 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.03 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

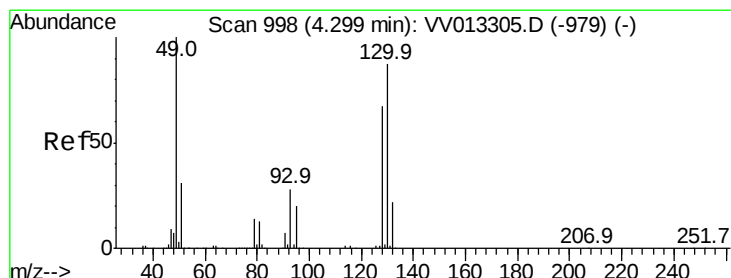
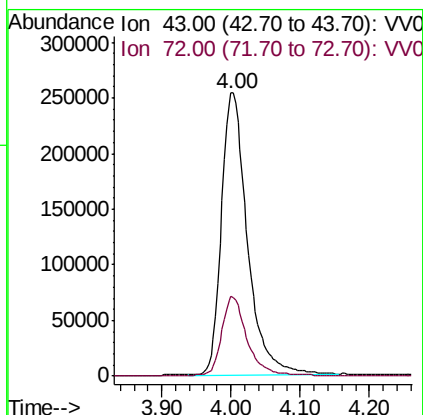
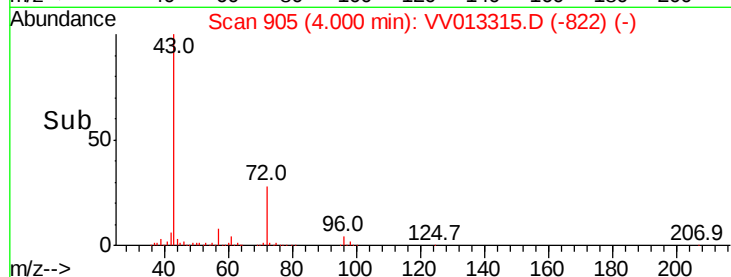
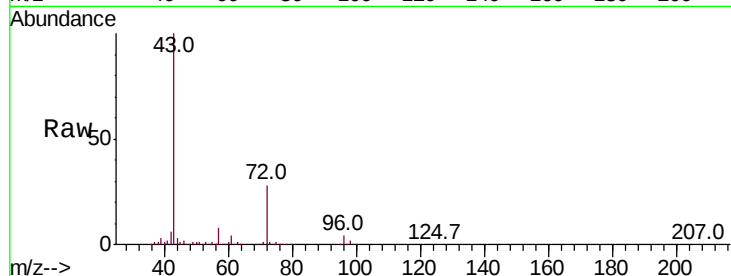
ClientSampleId :

Tot Ion: 43 Resp: 665828

Ion Ratio Lower Upper

43 100

72 27.5 13.0 38.9



#23

Bromochloromethane

Concen: 53.441 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.01 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Tgt Ion: 128 Resp: 266409

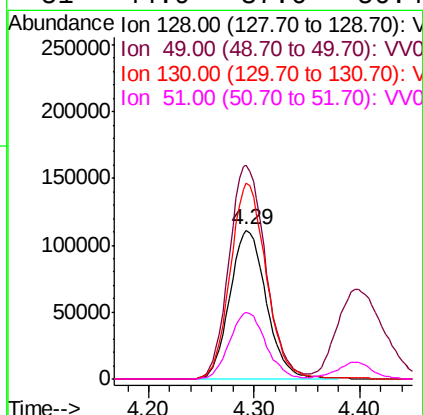
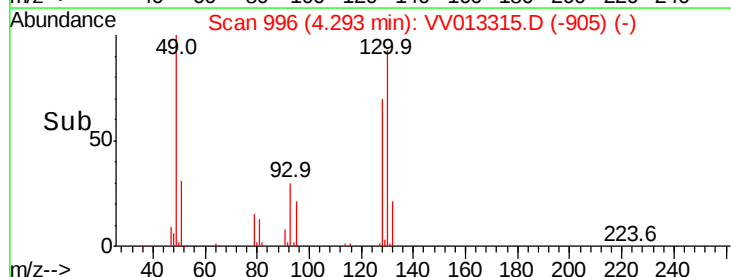
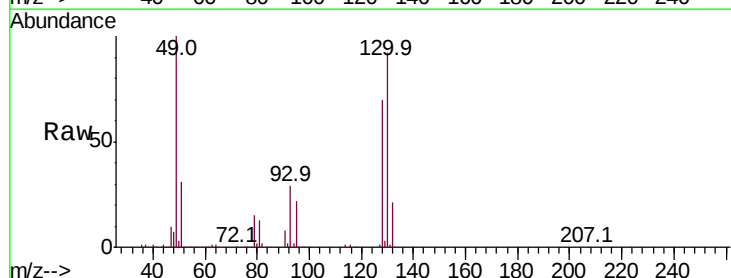
Ion Ratio Lower Upper

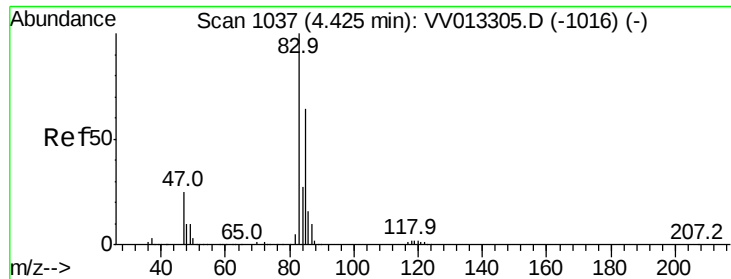
128 100

49 143.6 103.1 191.5

130 131.6 92.5 171.7

51 44.9 37.6 56.4





#25

Chloroform

Concen: 53.123 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

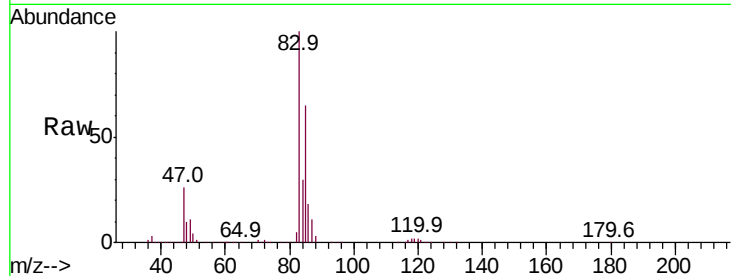
ClientSampleId :

Tot Ion: 83 Resp: 834790

Ion Ratio Lower Upper

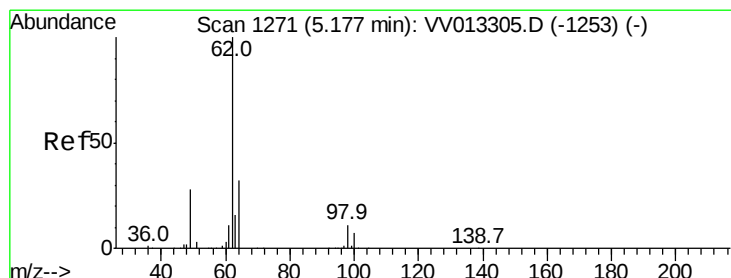
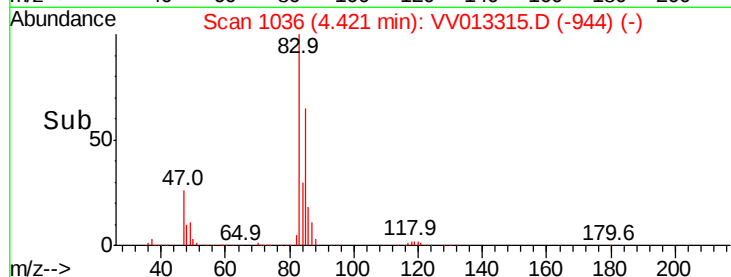
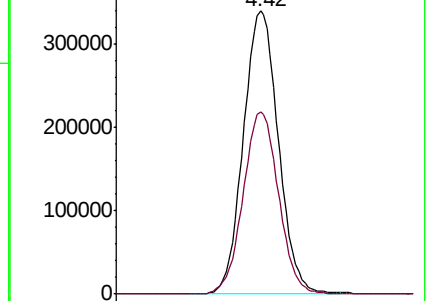
83 100

85 64.5 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VV013315.D (-944) (-)

Ion 85.00 (84.70 to 85.70): VV013315.D (-944) (-)



#27

1,2-Dichloroethane

Concen: 53.091 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV013315.D

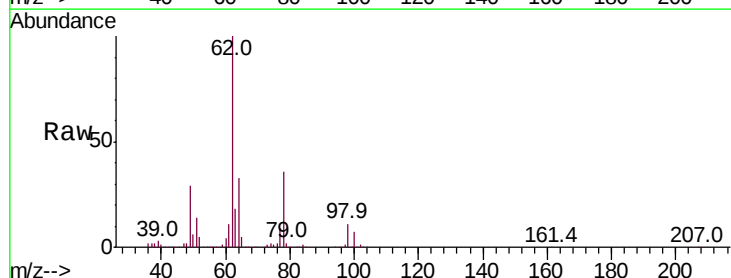
Acq: 24 Oct 2019 13:35

Tgt Ion: 62 Resp: 608034

Ion Ratio Lower Upper

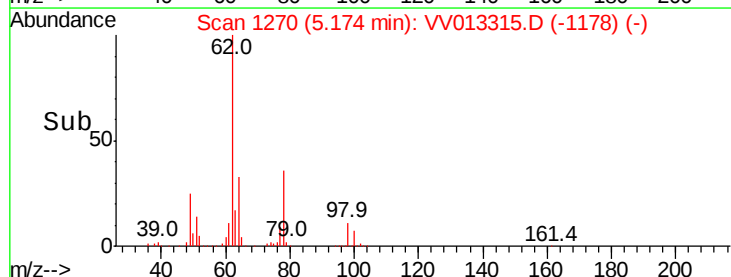
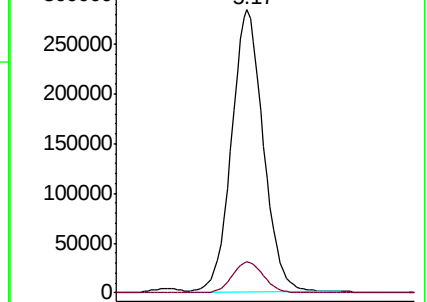
62 100

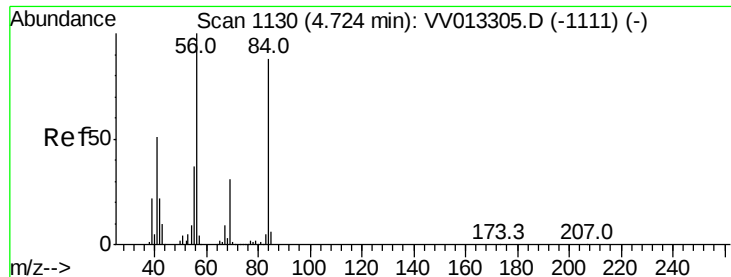
98 10.9 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV013315.D (-1178) (-)

Ion 98.00 (97.70 to 98.70): VV013315.D (-1178) (-)

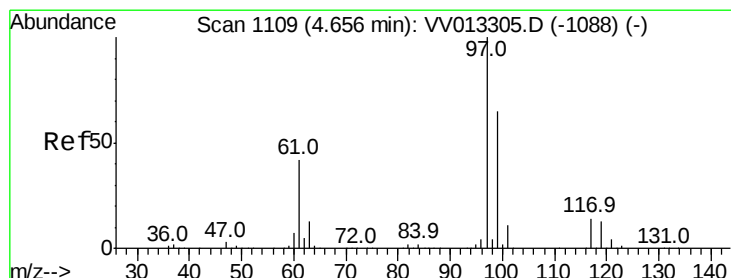
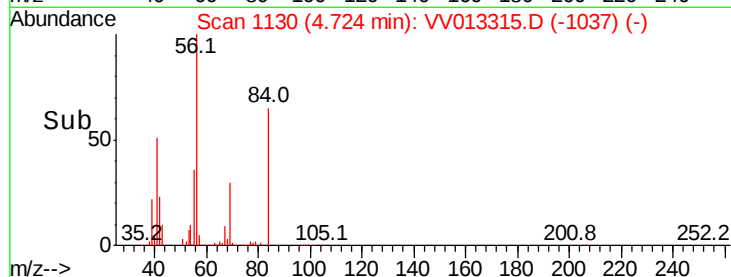
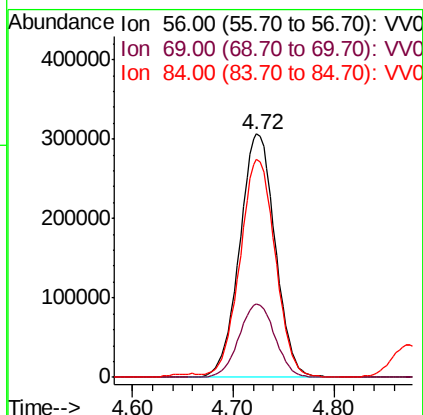
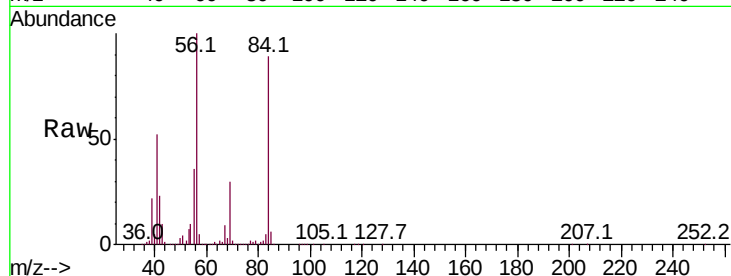




#29
Cyclohexane
Concen: 55.313 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 13:35

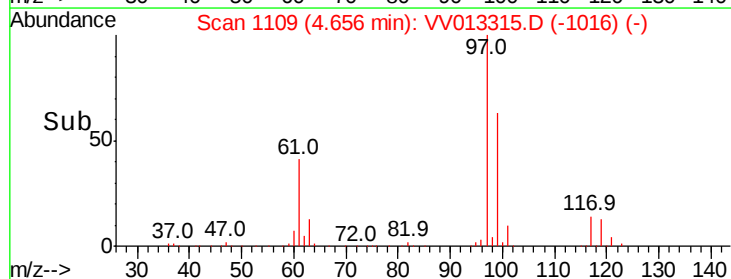
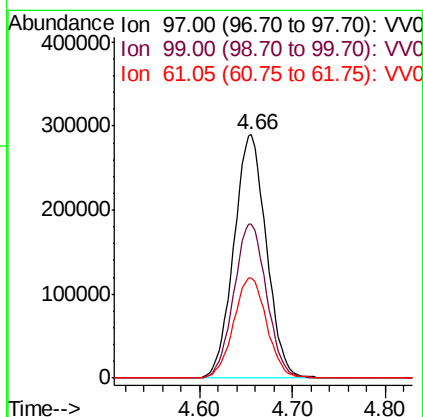
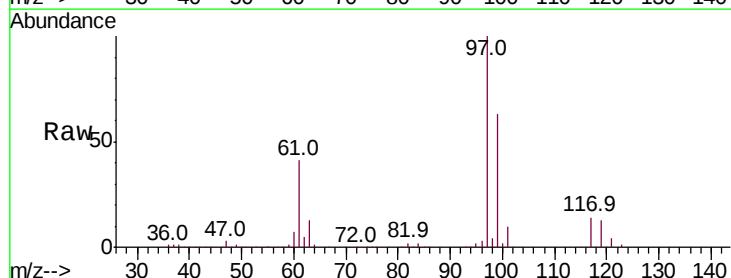
Instrument :
BNA_M
ClientSampleId :

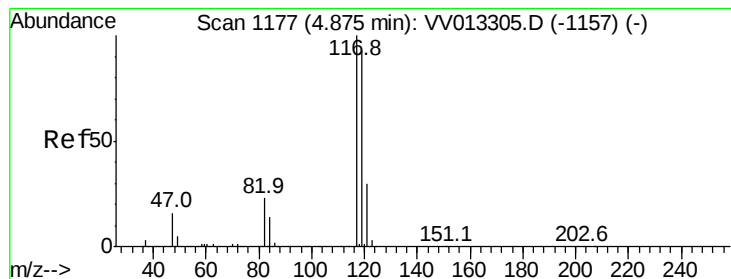
Tot Ion: 56 Resp: 745513
Ion Ratio Lower Upper
56 100
69 30.4 24.4 36.6
84 89.1 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 52.339 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 13:35

Tgt Ion: 97 Resp: 704574
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 42.1 33.2 49.8





#31

Carbon tetrachloride

Concen: 53.758 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

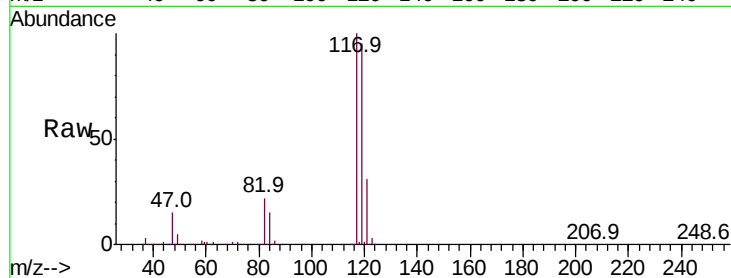
ClientSampleId :

Tot Ion:117 Resp: 652452

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

300000

250000

200000

150000

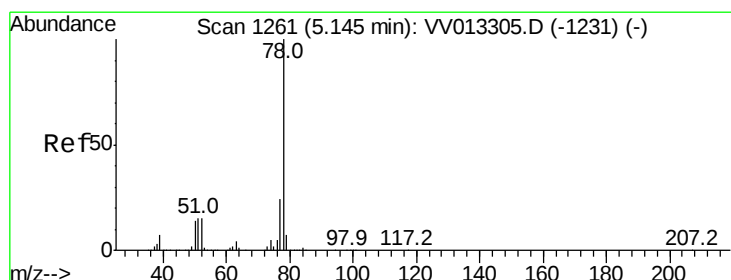
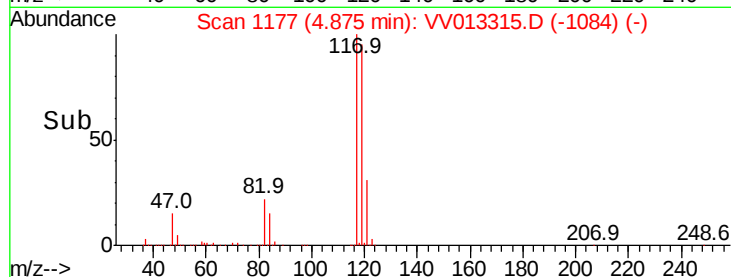
100000

50000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 53.078 ug/L

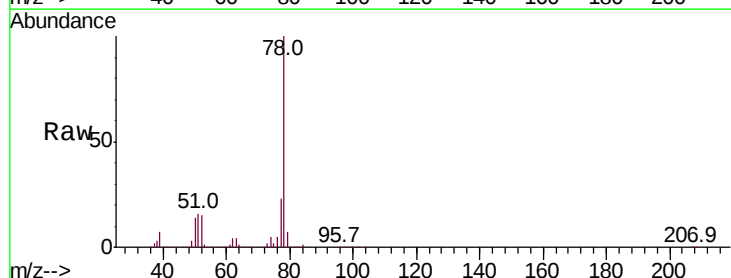
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Tgt Ion: 78 Resp: 1875224



Abundance Ion 78.00 (77.70 to 78.70): VV0

1000000

800000

600000

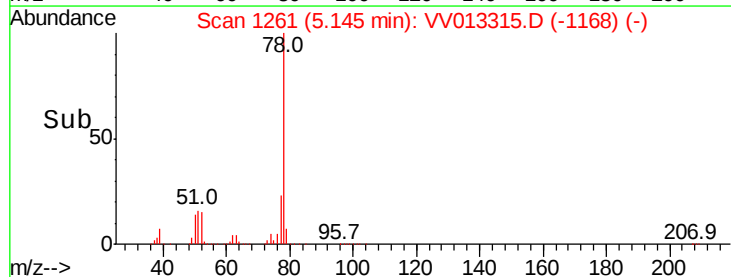
400000

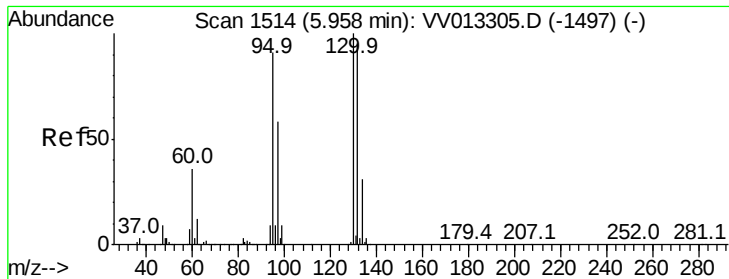
200000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 53.285 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

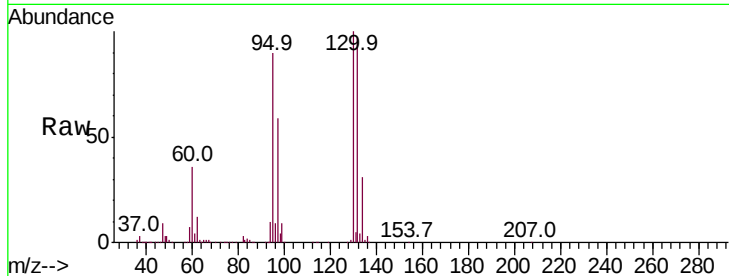
Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 95 Resp: 492878

Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.3	84.1
132	108.1	75.5	140.1
130	110.9	77.7	144.3



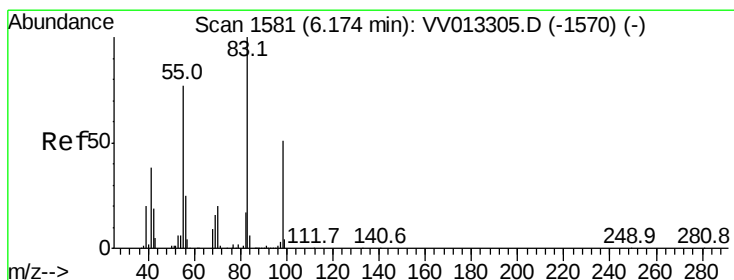
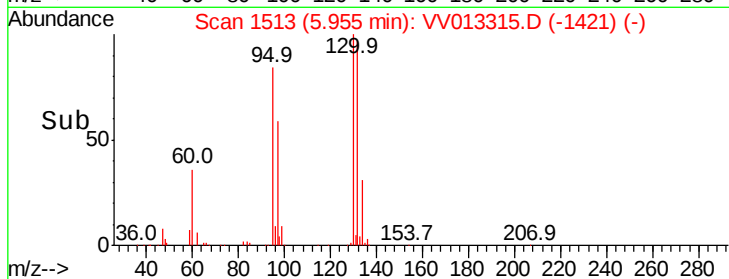
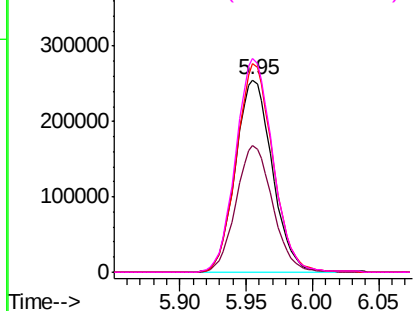
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 57.412 ug/L

RT: 6.17 min Scan# 1581

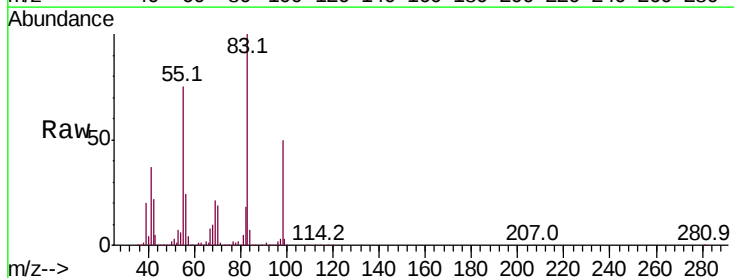
Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Tgt Ion: 83 Resp: 807162

Ion	Ratio	Lower	Upper
83	100		
55	74.5	59.0	88.4
98	49.7	39.3	58.9

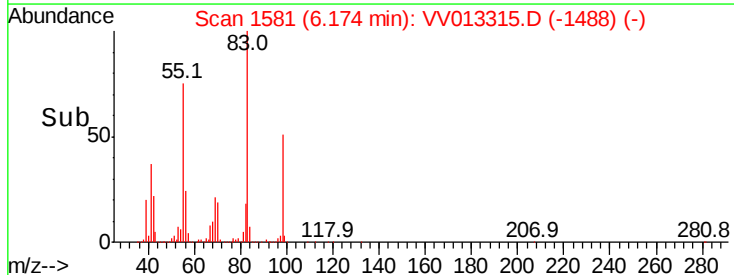
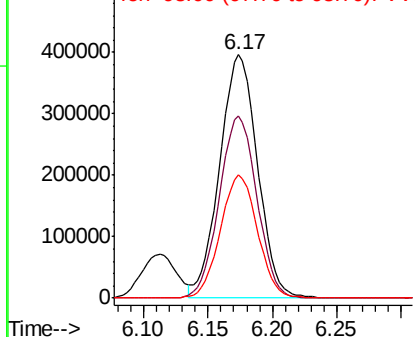


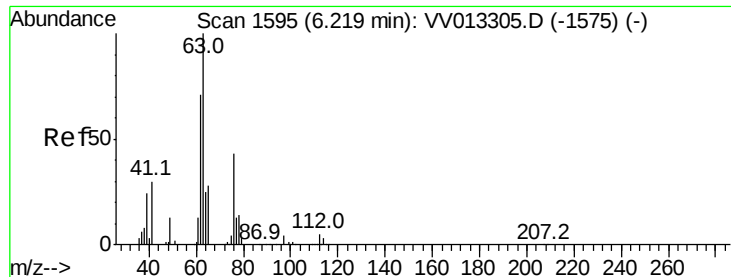
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

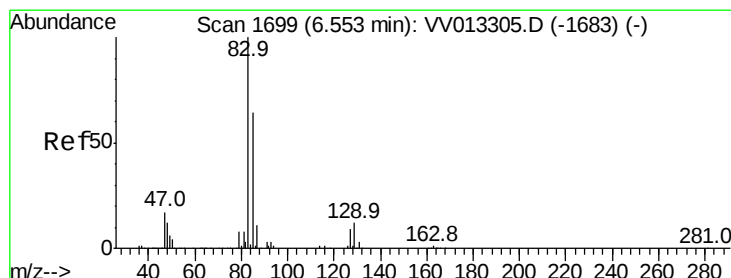
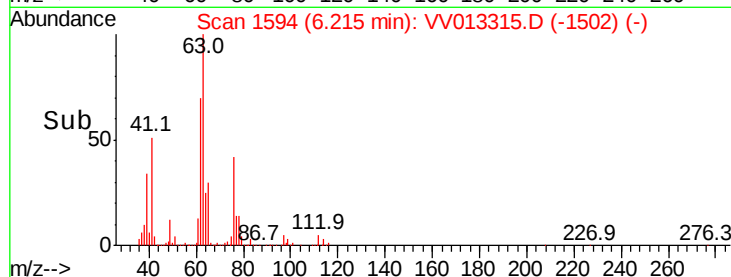
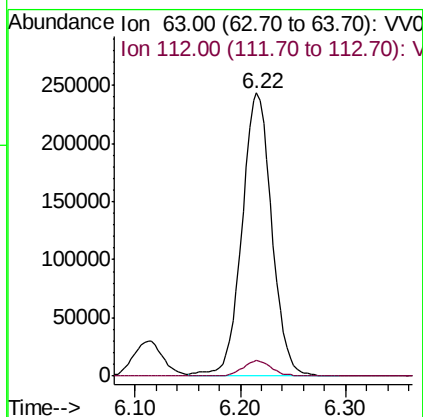
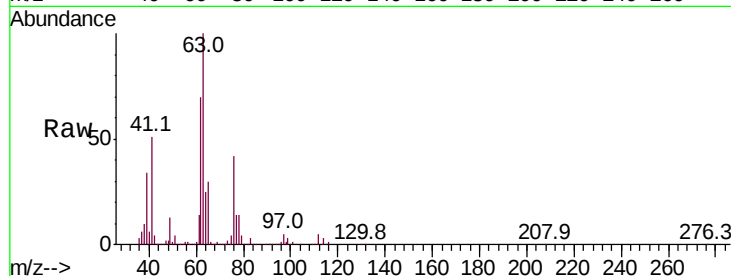




#37
 1,2-Dichloropropane
 Concen: 53.548 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 13:35

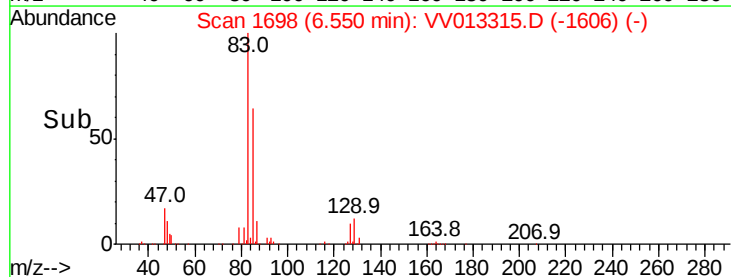
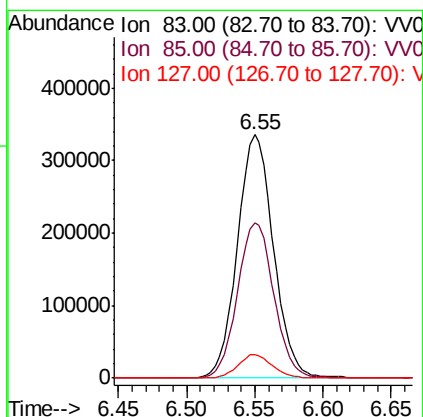
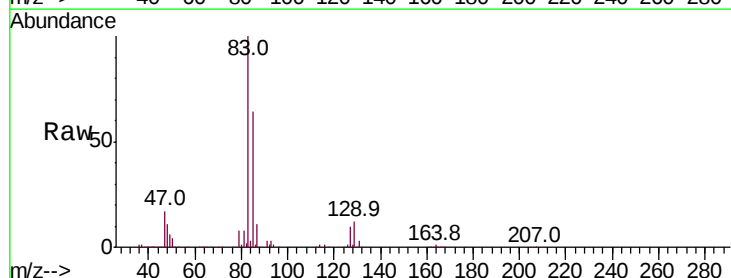
Instrument :
 BNA_M
 ClientSampleId :

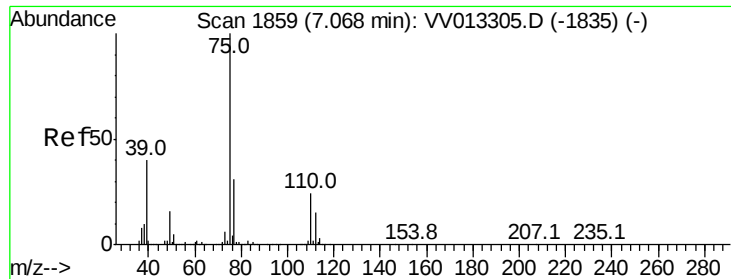
Tot Ion: 63 Resp: 476520
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.9 5.9



#38
 Bromodichloromethane
 Concen: 52.599 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 13:35

Tgt Ion: 83 Resp: 616440
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.6 82.8
 127 9.6 7.4 11.2

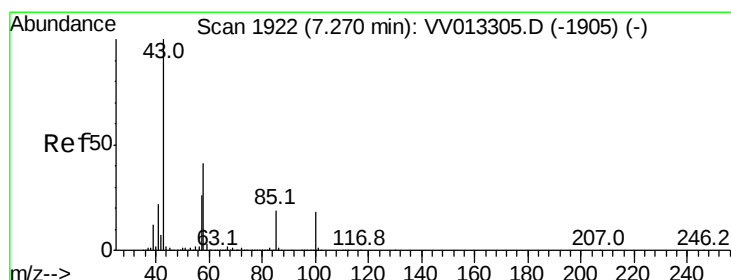
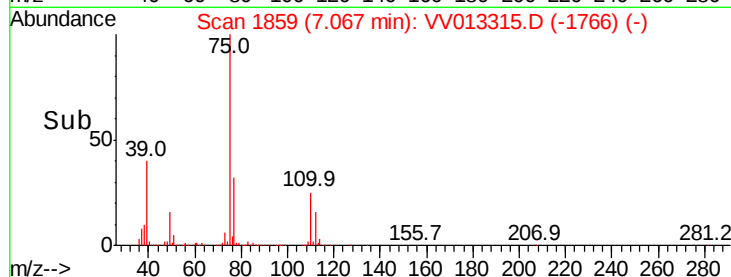
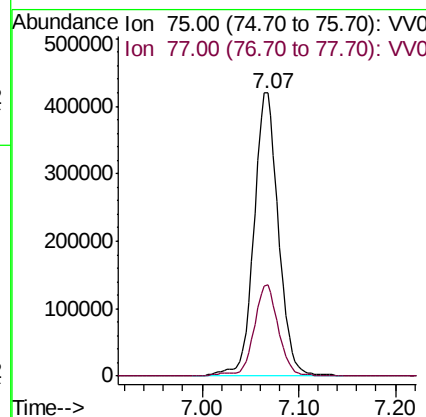
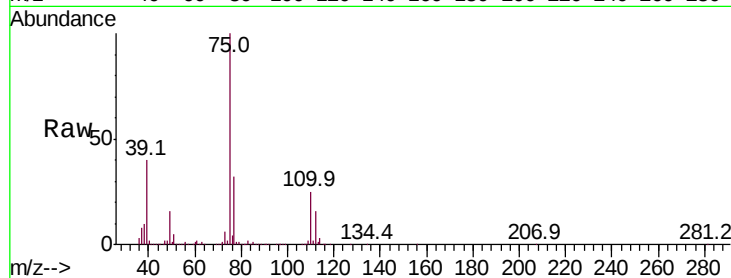




#39
 cis-1,3-Dichloropropene
 Concen: 55.503 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 13:35

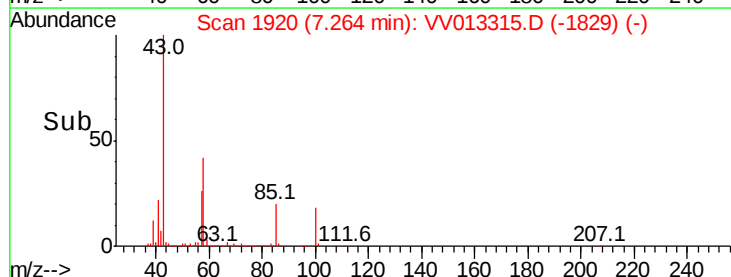
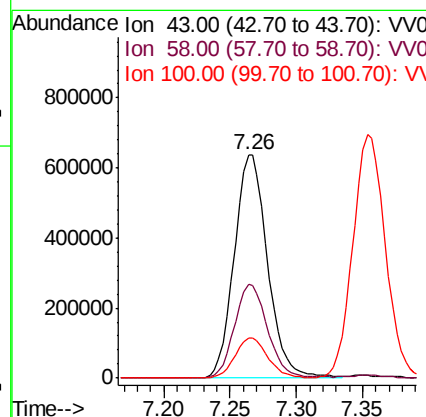
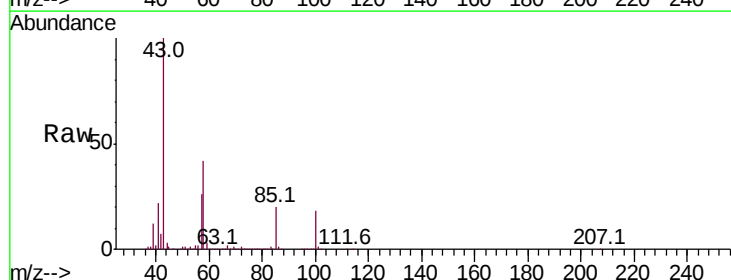
Instrument :
 BNA_M
 ClientSampleId :

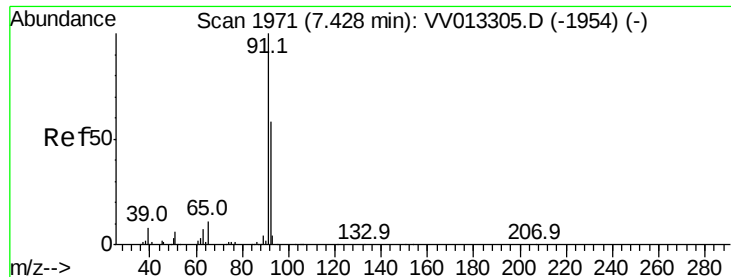
Tot Ion: 75 Resp: 738449
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 100.585 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 13:35

Tgt Ion: 43 Resp: 1112349
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.0 49.4
 100 17.8 13.8 20.6





#42

Toluene

Concen: 55.638 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

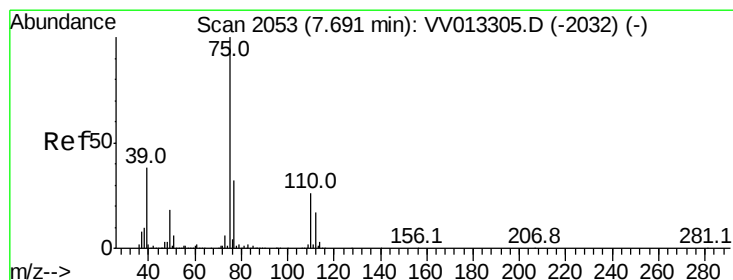
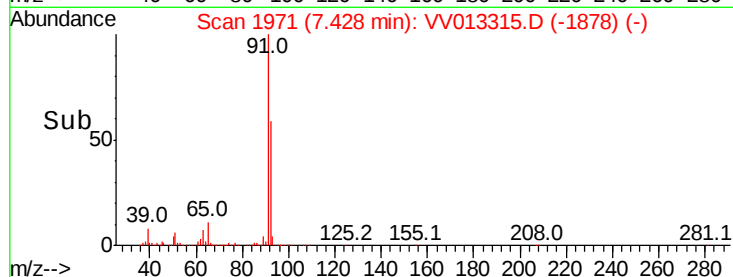
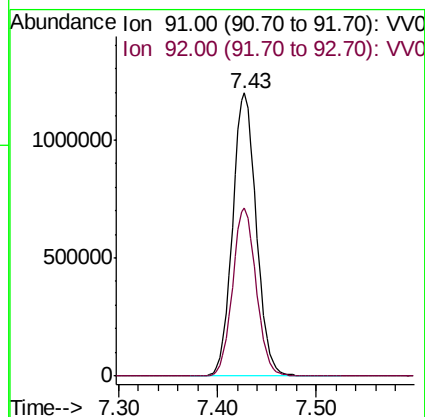
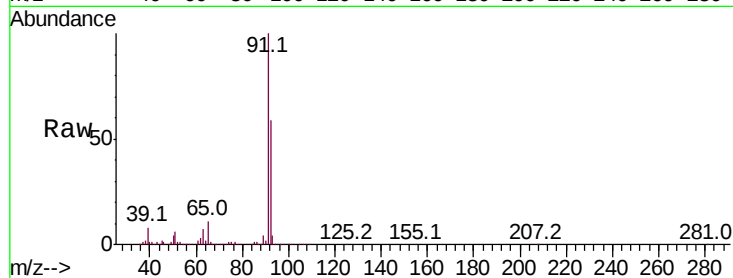
ClientSampleId :

Tot Ion: 91 Resp: 2015214

Ion Ratio Lower Upper

91 100

92 59.5 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 56.416 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013315.D

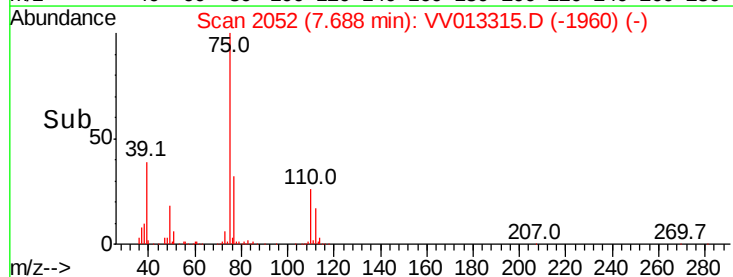
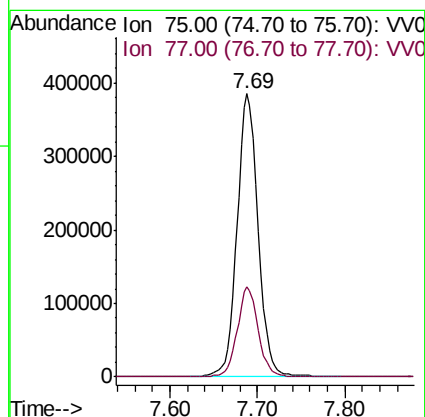
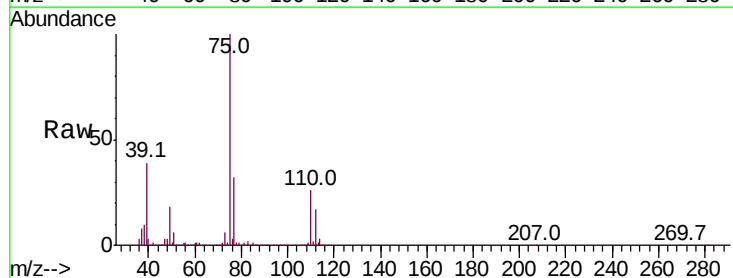
Acq: 24 Oct 2019 13:35

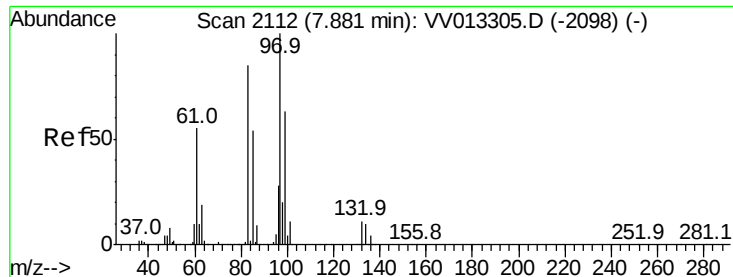
Tgt Ion: 75 Resp: 641944

Ion Ratio Lower Upper

75 100

77 31.8 22.2 41.2

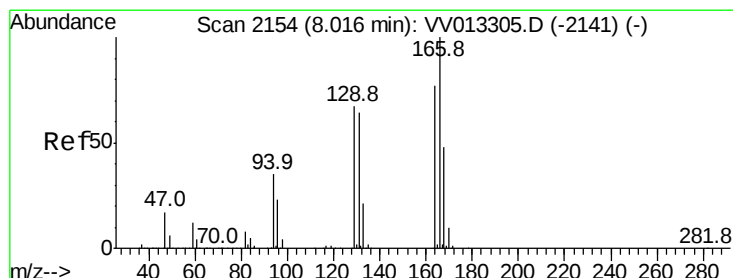
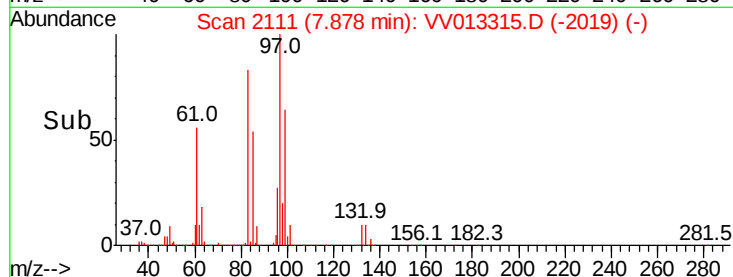
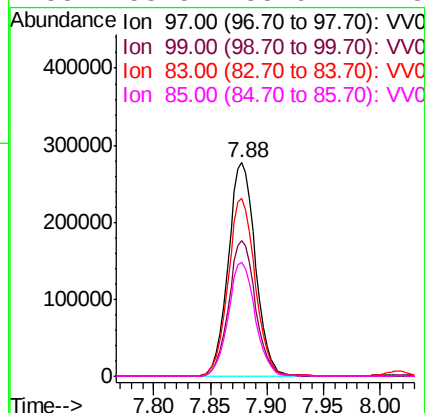
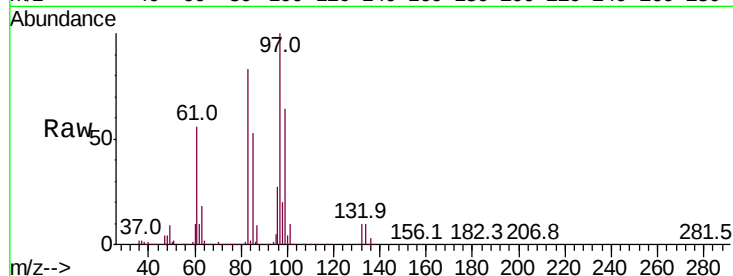




#45
 1,1,2-Trichloroethane
 Concen: 53.016 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 13:35

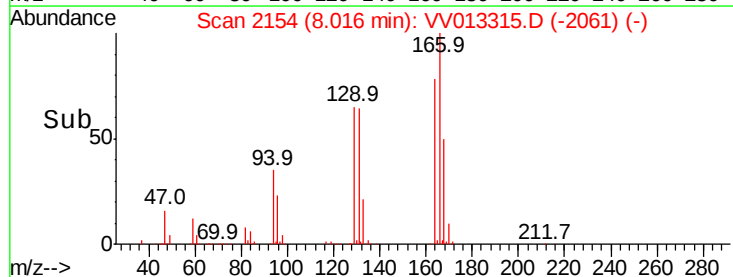
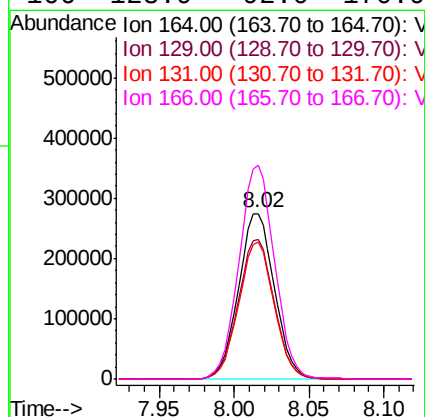
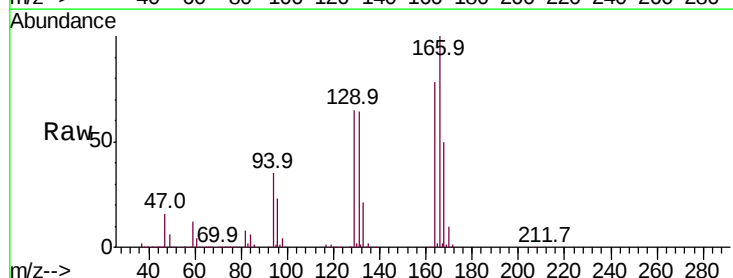
Instrument :
 BNA_M
 ClientSampleId :

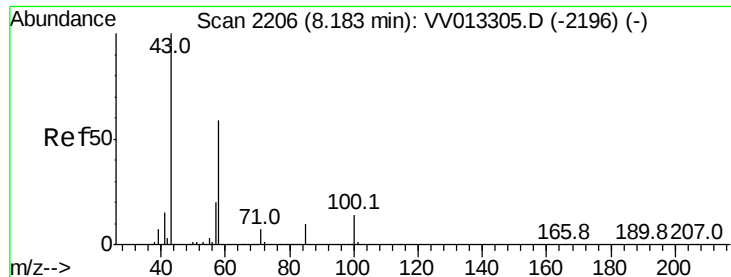
Tot Ion:	97	Resp:	464489
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.1	81.9
83	83.1	58.9	109.3
85	53.5	38.6	71.8



#46
 Tetrachloroethene
 Concen: 55.650 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 13:35

Tgt Ion:	164	Resp:	459114
Ion	Ratio	Lower	Upper
164	100		
129	84.2	59.7	110.9
131	82.4	59.2	110.0
166	128.9	92.0	170.9

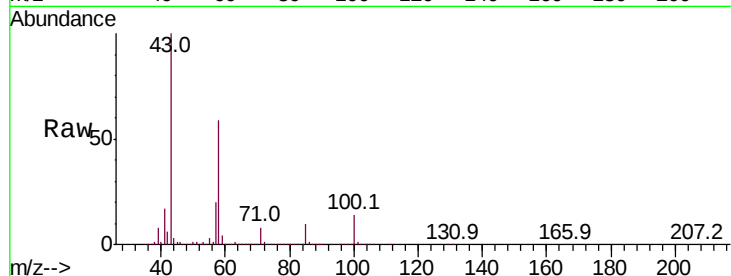




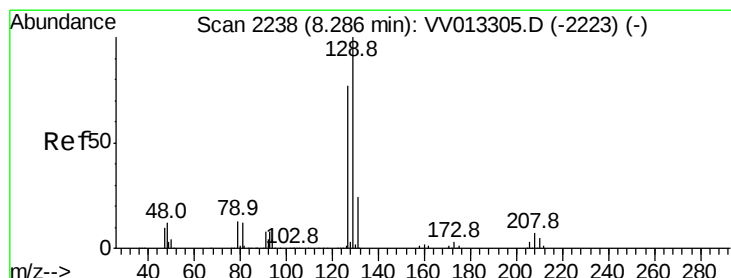
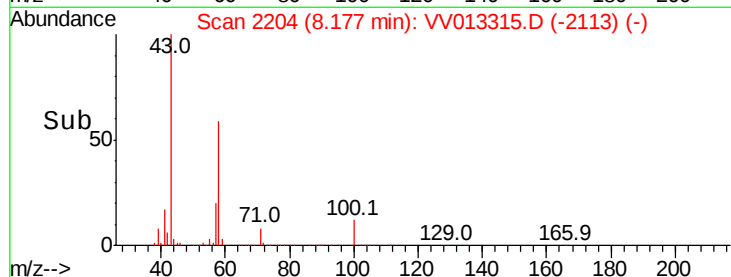
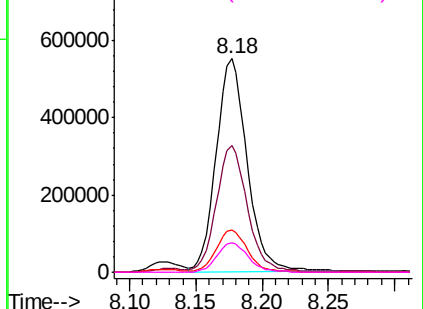
#48
2-Hexanone
Concen: 99.120 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV013315.D
Acq: 24 Oct 2019 13:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 43 Resp: 889756
Ion Ratio Lower Upper
43 100
58 59.6 47.0 70.6
57 19.9 13.8 20.8
100 14.4 10.2 15.4

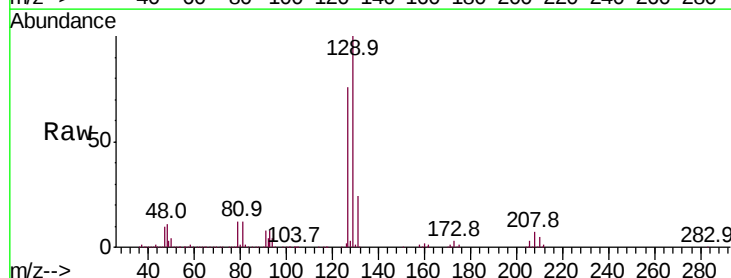


Abundance Ion 43.00 (42.70 to 43.70): VV013315.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV013315.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV013315.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV013315.D (-2196) (-)

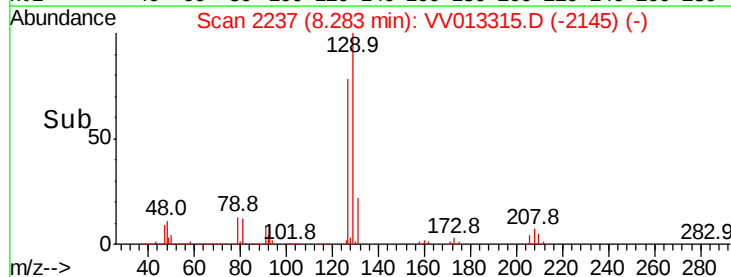
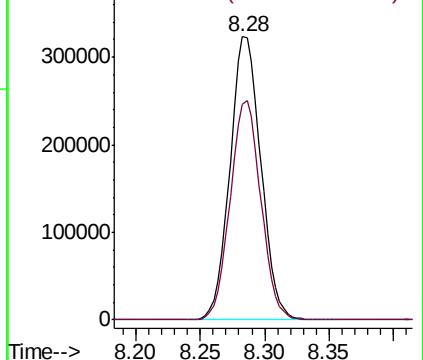


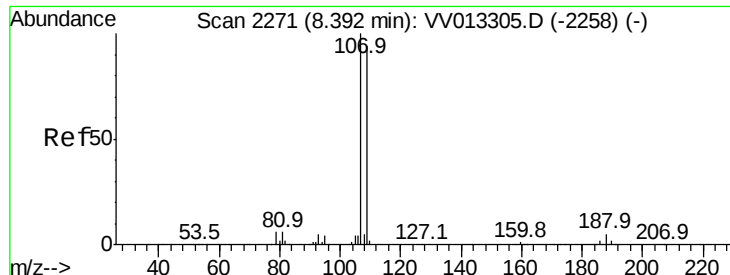
#49
Dibromochloromethane
Concen: 54.248 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 13:35

Tgt Ion: 129 Resp: 538451
Ion Ratio Lower Upper
129 100
127 76.2 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV013315.D (-2223) (-)
Ion 127.00 (126.70 to 127.70): VV013315.D (-2223) (-)

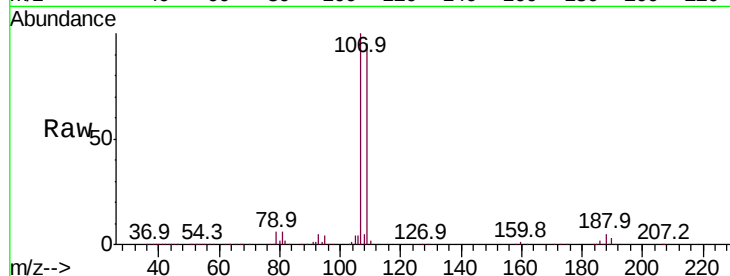




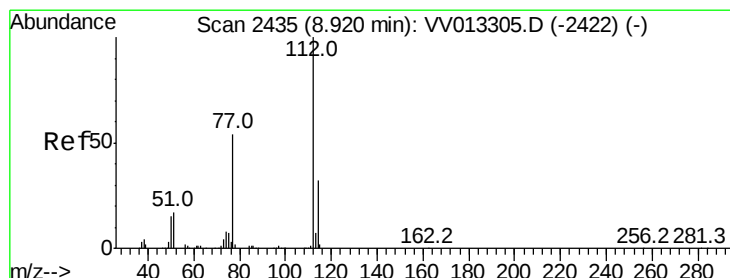
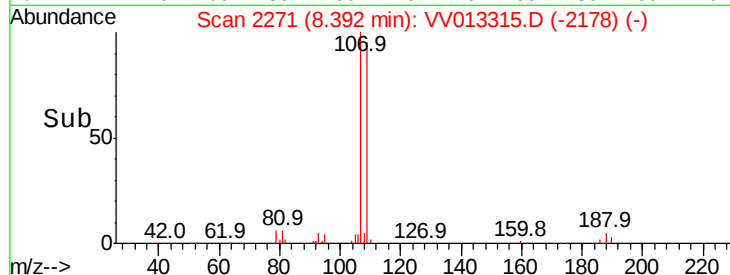
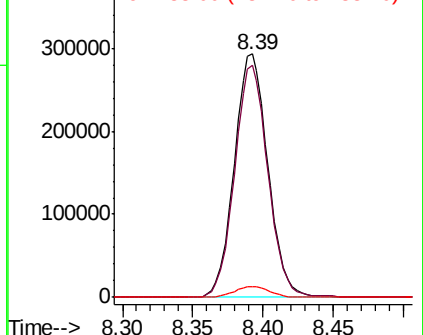
#50
1,2-Dibromoethane
Concen: 52.501 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 13:35

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	65.4	121.4
188	4.5	3.4	5.2

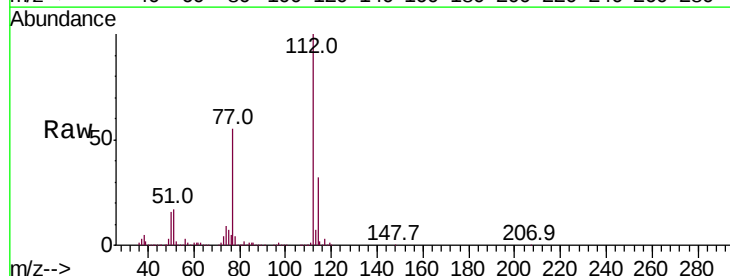


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

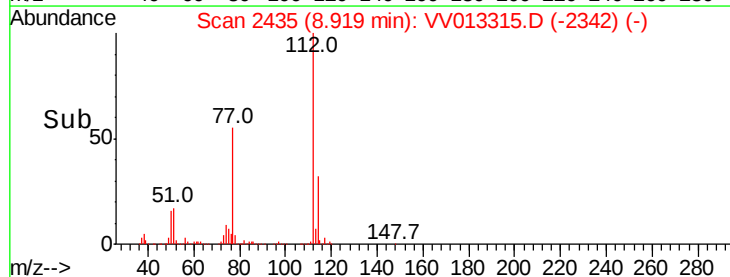
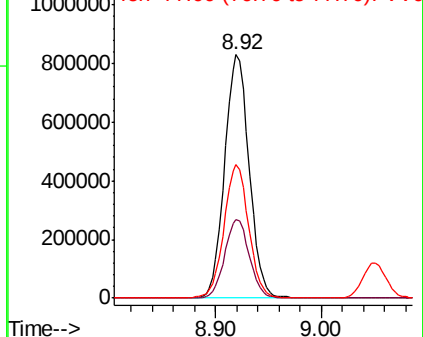


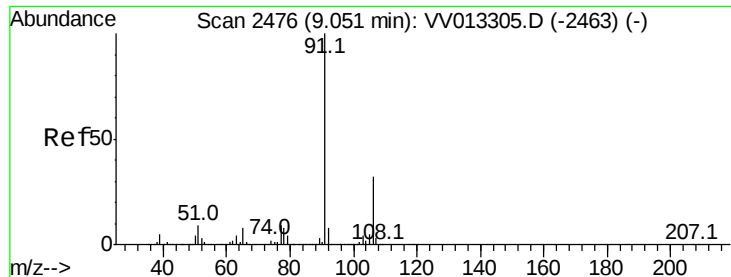
#51
Chlorobenzene
Concen: 54.197 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013315.D
Acq: 24 Oct 2019 13:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.3
77	55.1	42.5	63.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 57.544 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

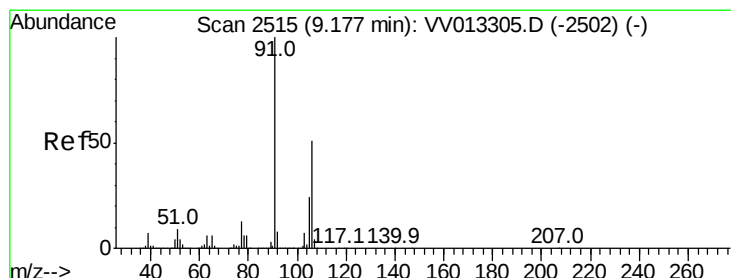
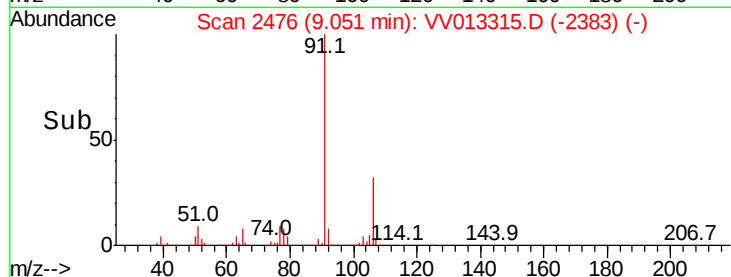
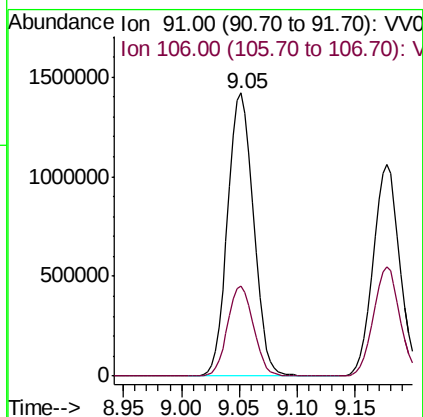
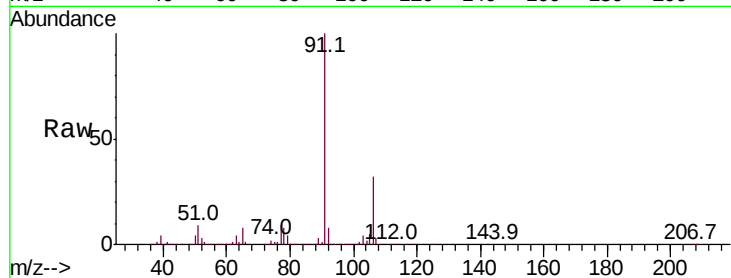
ClientSampleId :

Tot Ion: 91 Resp: 2201904

Ion Ratio Lower Upper

91 100

106 31.8 22.0 40.8



#53

m,p-Xylene

Concen: 58.859 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013315.D

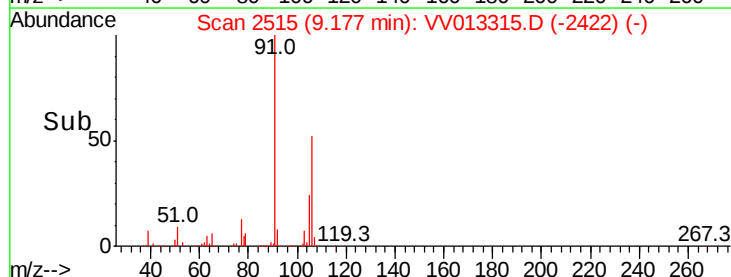
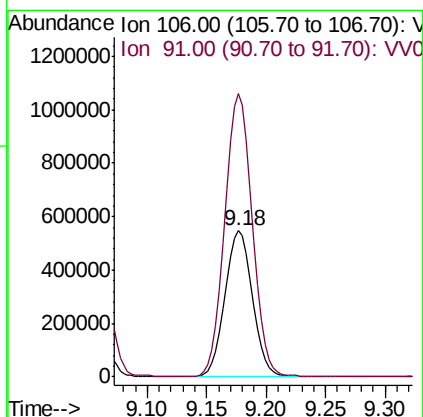
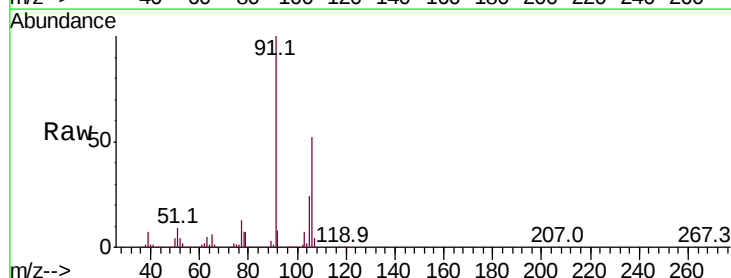
Acq: 24 Oct 2019 13:35

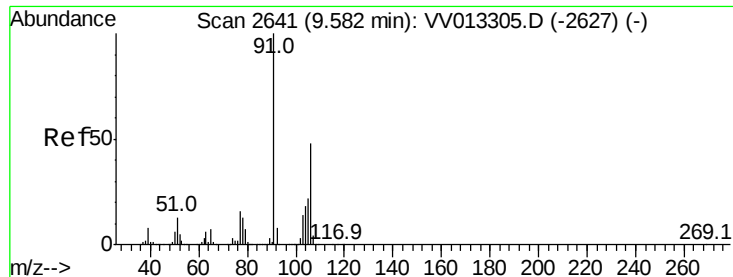
Tgt Ion: 106 Resp: 874715

Ion Ratio Lower Upper

106 100

91 193.4 137.7 255.7





#54

o-xylene

Concen: 57.519 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

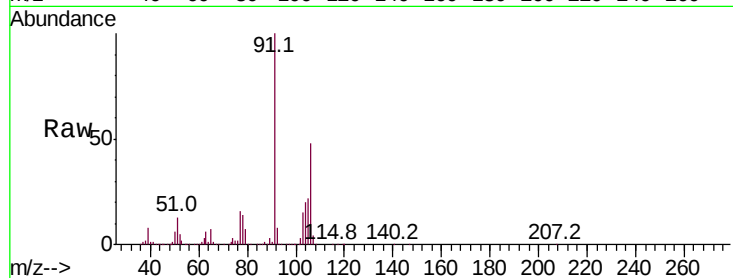
ClientSampleId :

Tot Ion:106 Resp: 833592

Ion Ratio Lower Upper

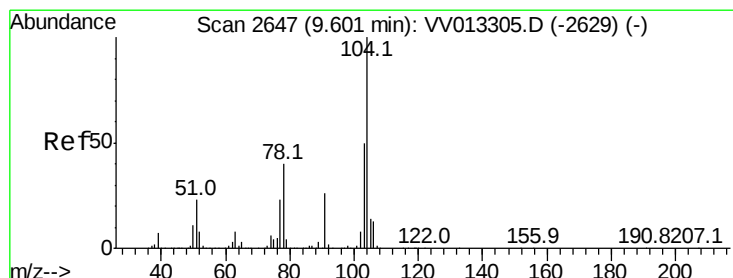
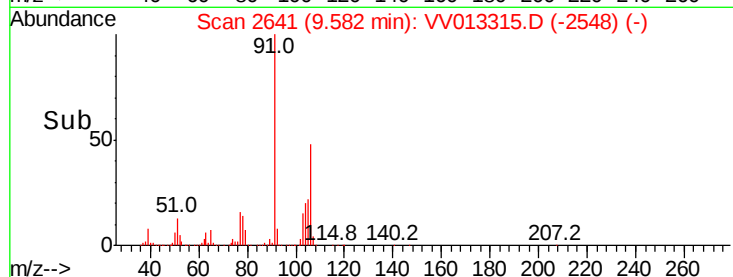
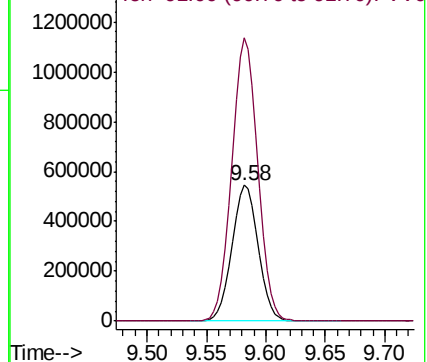
106 100

91 207.9 146.2 271.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 59.206 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013315.D

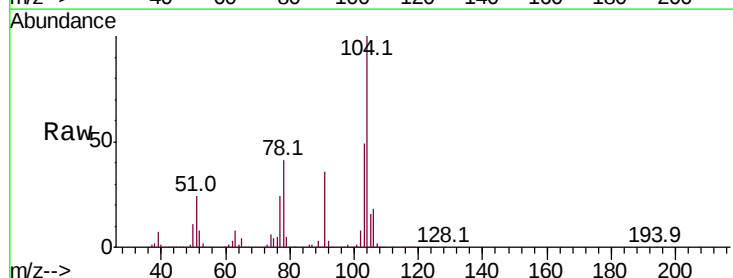
Acq: 24 Oct 2019 13:35

Tgt Ion:104 Resp: 1455220

Ion Ratio Lower Upper

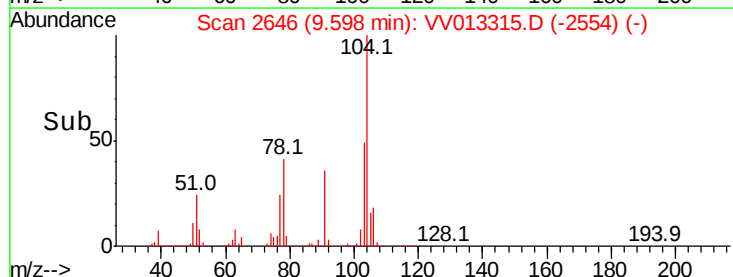
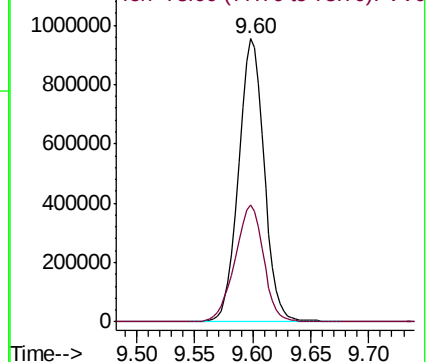
104 100

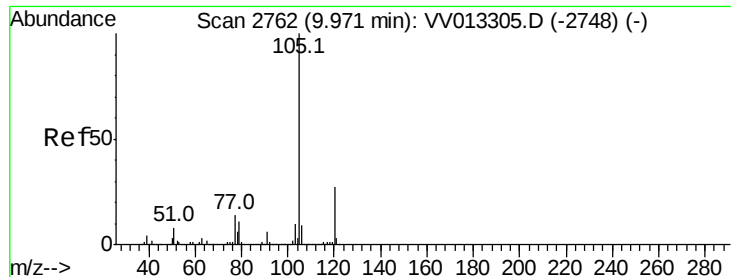
78 41.3 28.9 53.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 59.010 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

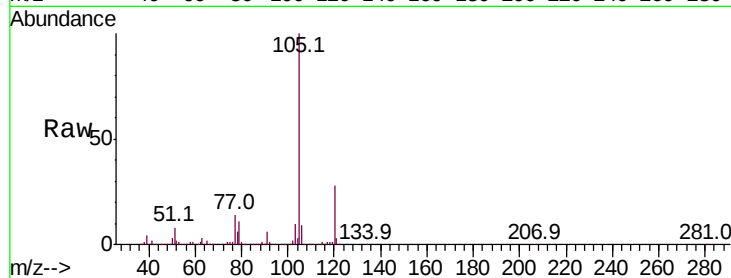
Instrument :

BNA_M

ClientSampleId :

Tot Ion:105 Resp: 2185060

Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.7	32.5
77	14.3	11.6	17.4

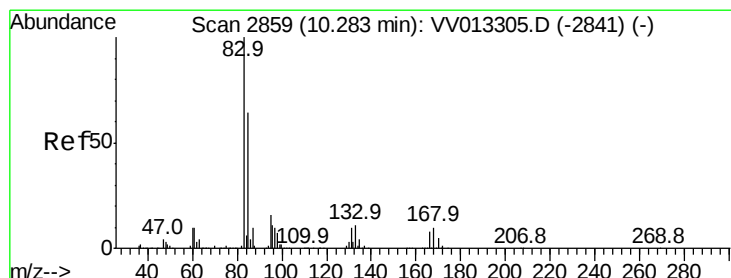
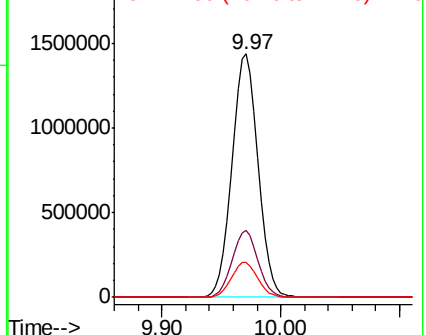
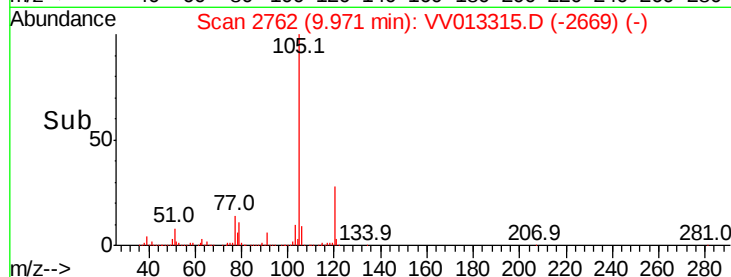


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.270 ug/L

RT: 10.28 min Scan# 2858

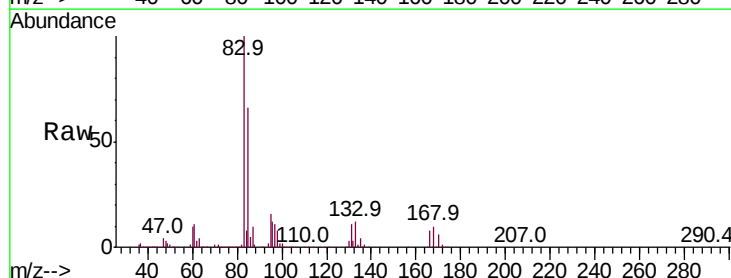
Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Tgt Ion: 83 Resp: 664624

Ion	Ratio	Lower	Upper
83	100		
85	65.5	45.3	84.1
131	10.7	8.6	13.0

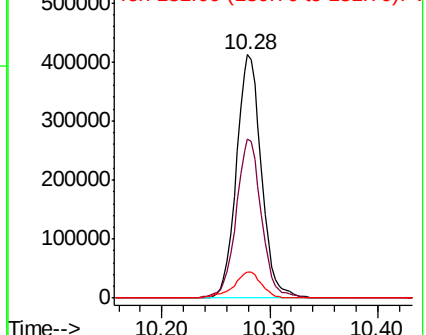
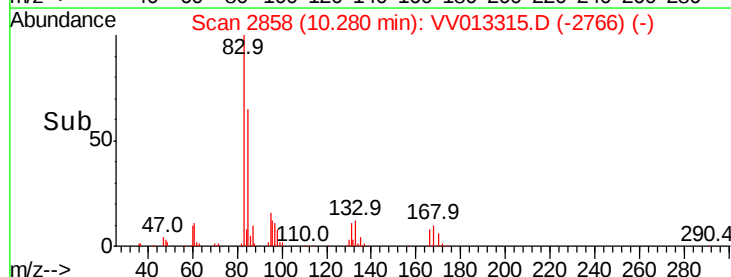


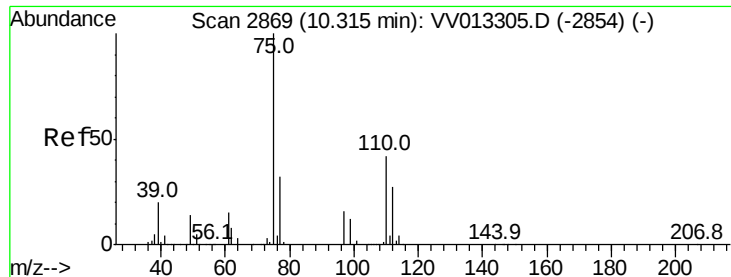
Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.554 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

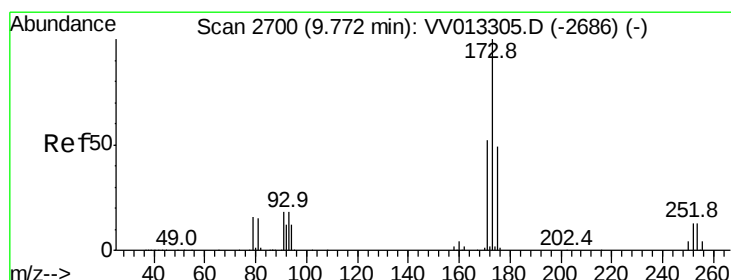
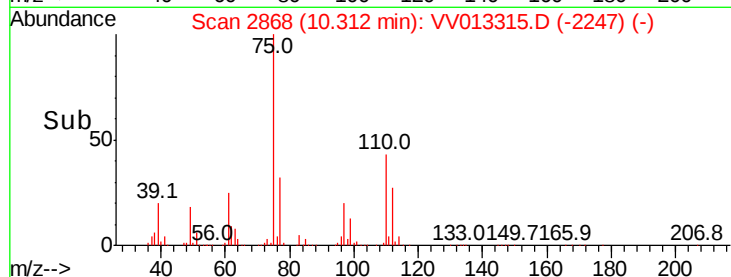
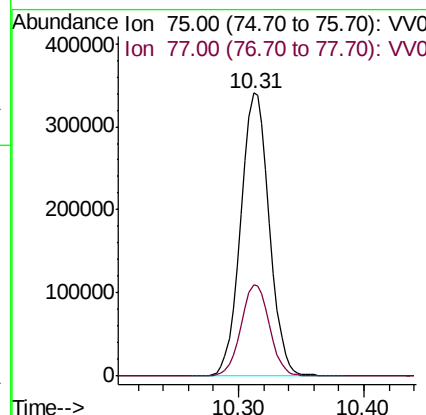
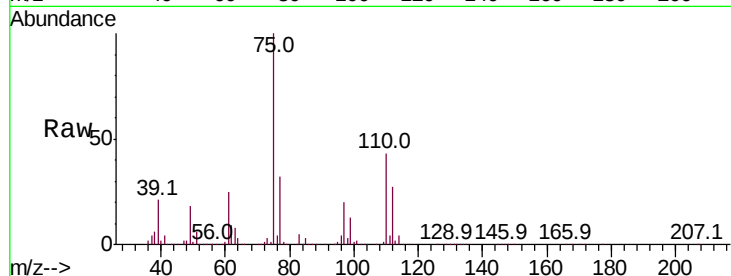
ClientSampleId :

Tot Ion: 75 Resp: 538951

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



#61

Bromoform

Concen: 50.170 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

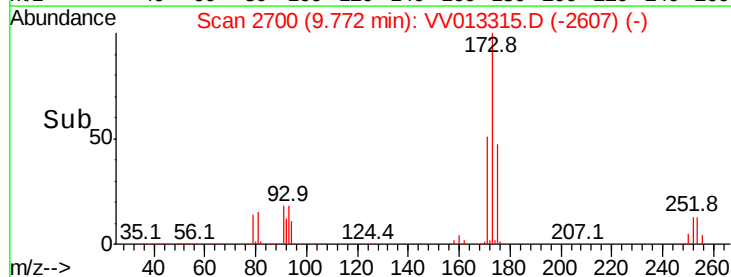
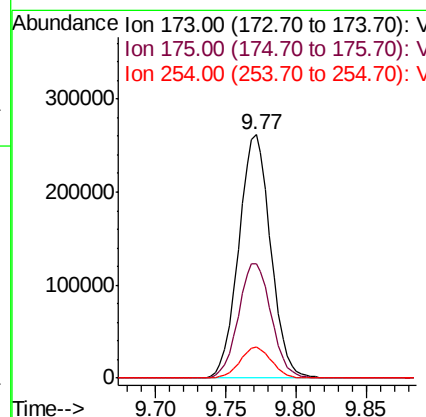
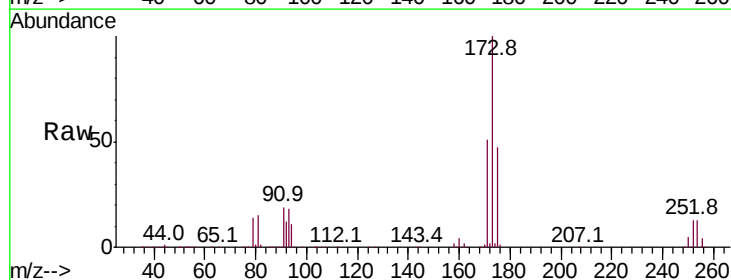
Tgt Ion: 173 Resp: 416078

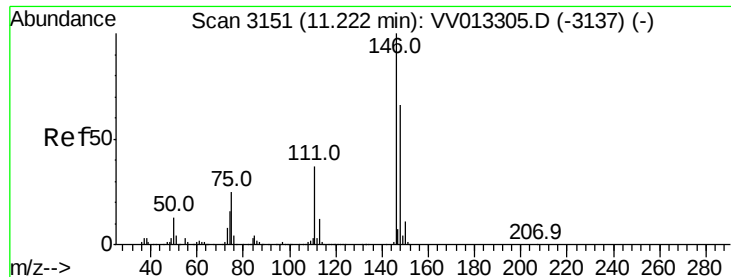
Ion Ratio Lower Upper

173 100

175 48.2 39.1 58.7

254 12.4 10.2 15.4





#62

1,3-Dichlorobenzene

Concen: 54.824 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

ClientSampleId :

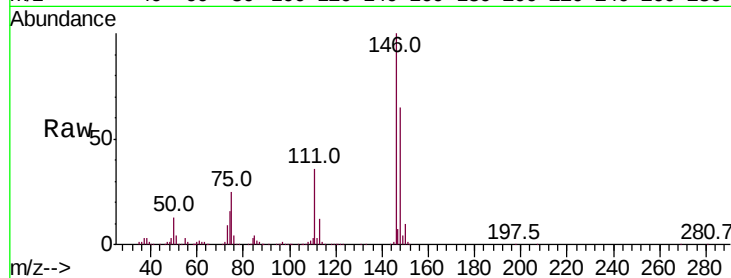
Tot Ion:146 Resp: 1124646

Ion Ratio Lower Upper

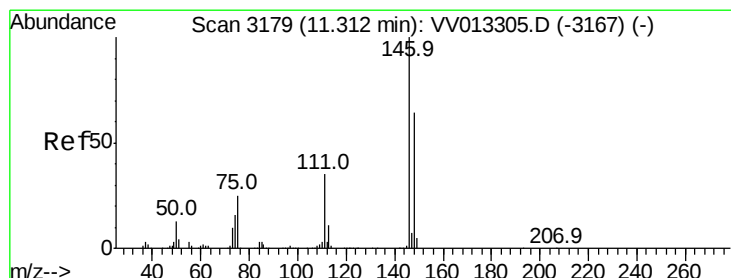
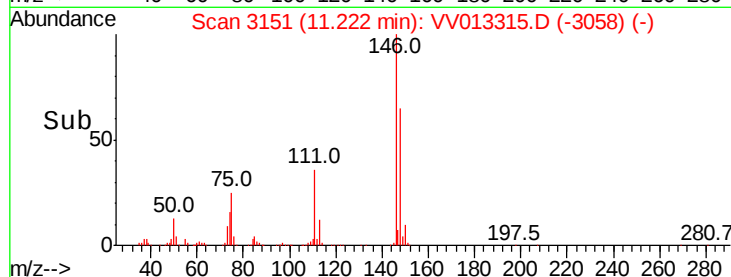
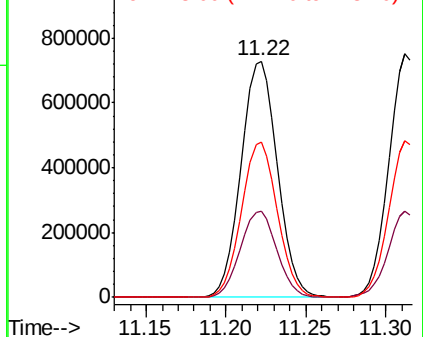
146 100

111 36.4 25.4 47.2

148 65.5 44.8 83.2



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



#63

1,4-Dichlorobenzene

Concen: 53.662 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

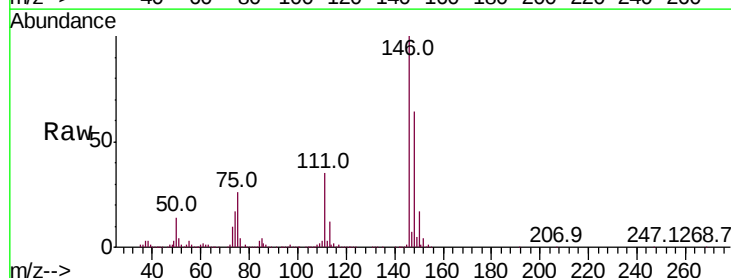
Tgt Ion:146 Resp: 1143455

Ion Ratio Lower Upper

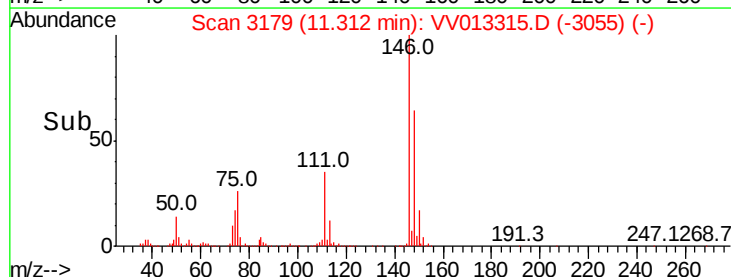
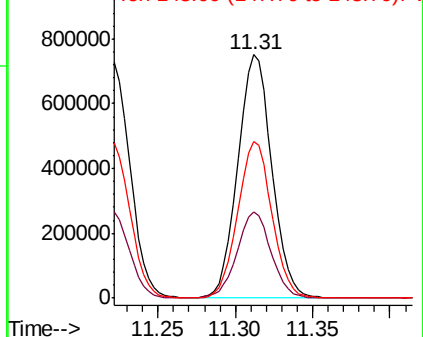
146 100

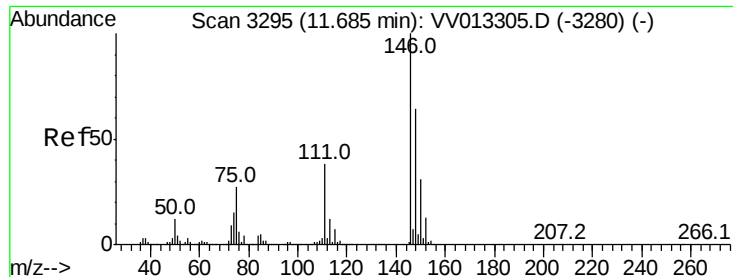
111 35.3 24.5 45.5

148 64.4 45.0 83.6



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





#65

1,2-Dichlorobenzene

Concen: 53.078 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

ClientSampled :

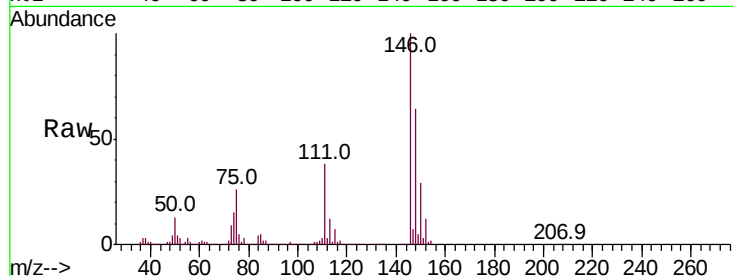
Tot Ion:146 Resp: 1122494

Ion Ratio Lower Upper

146 100

111 38.3 30.7 46.1

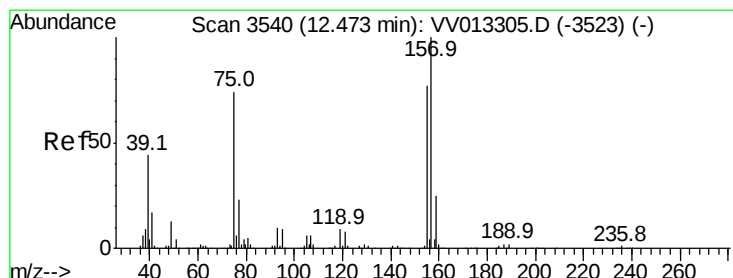
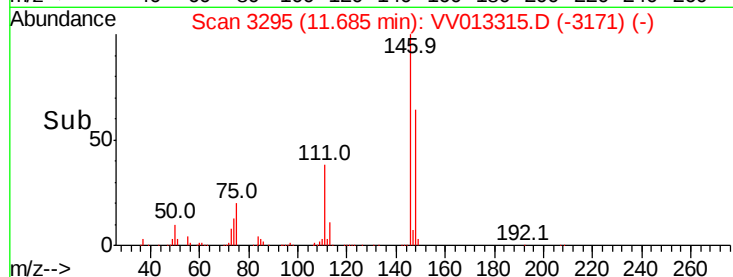
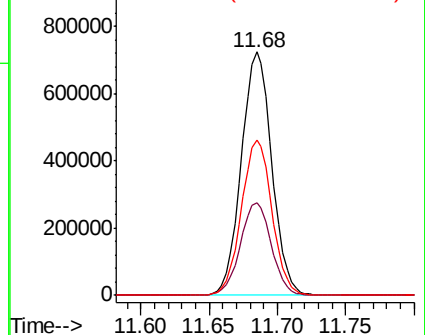
148 64.0 52.0 78.0



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: 44.656 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

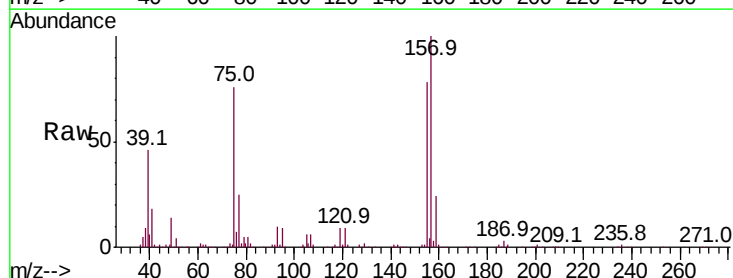
Tgt Ion: 75 Resp: 132470

Ion Ratio Lower Upper

75 100

155 102.4 81.8 122.8

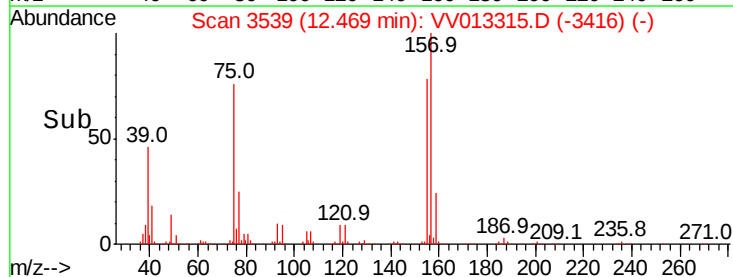
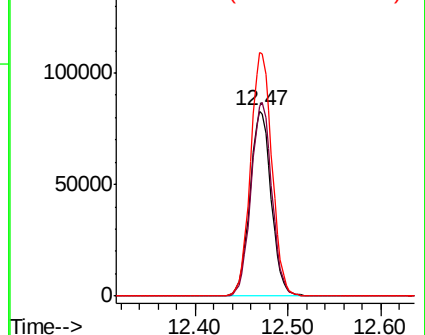
157 131.4 105.4 158.2

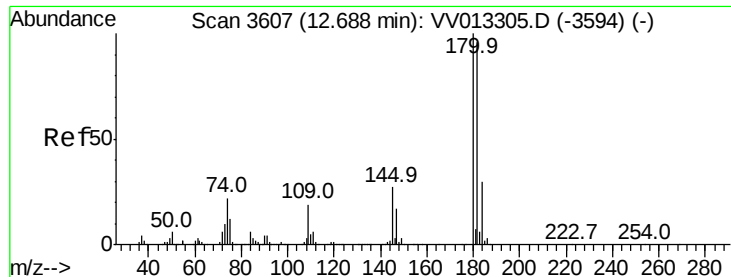


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

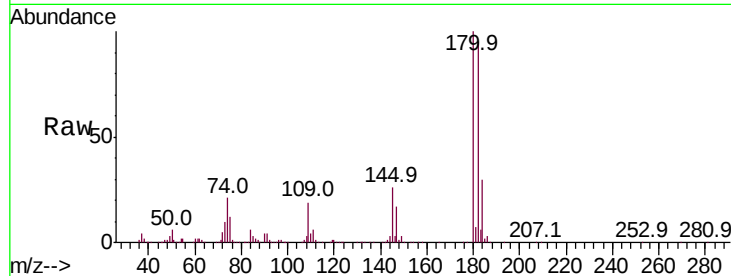




#67
 1,3,5-Trichlorobenzene
 Concen: 59.689 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 13:35

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.3	114.5
184	30.2	24.8	37.2
145	26.2	21.2	31.8



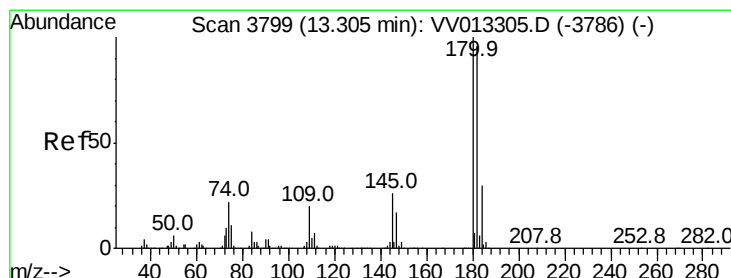
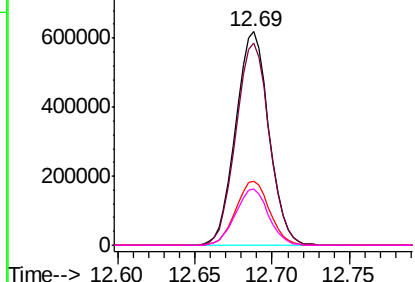
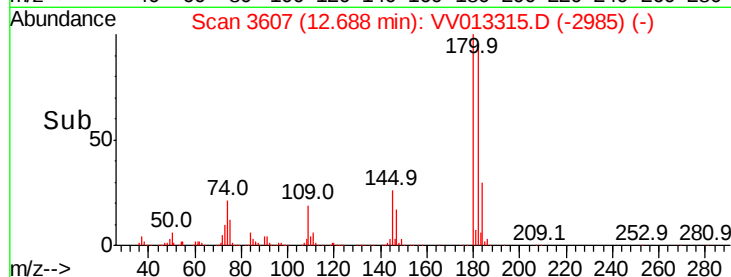
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

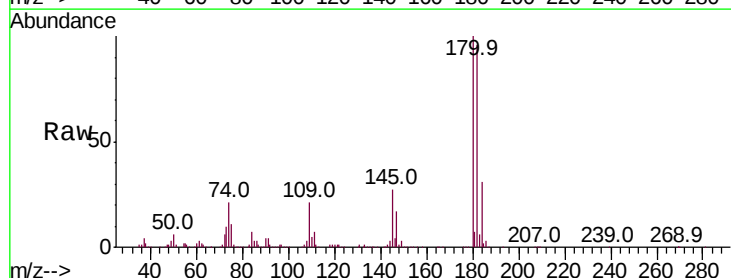
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 61.400 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013315.D
 Acq: 24 Oct 2019 13:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	26.9	21.7	32.5

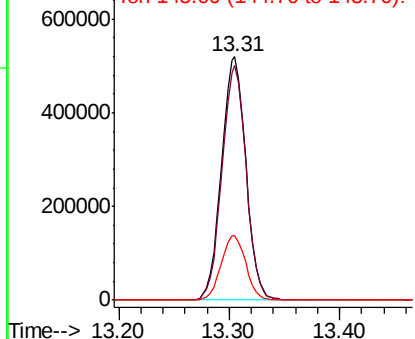
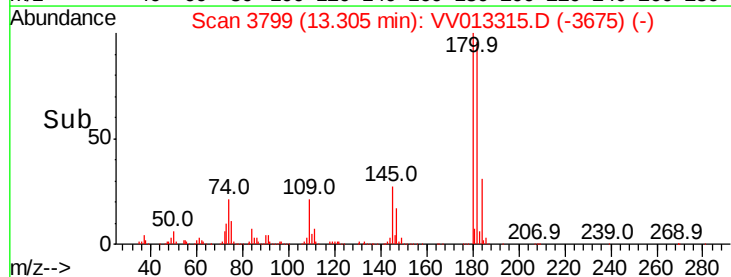


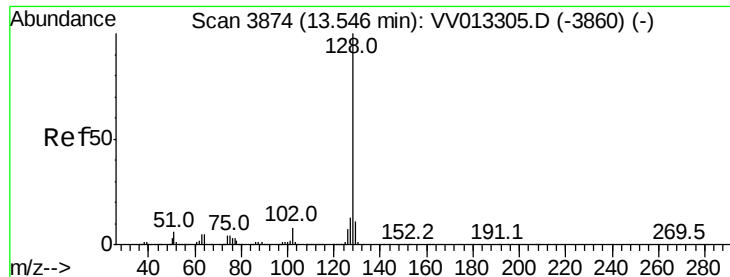
Abundance

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: 60.078 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

Instrument :

BNA_M

ClientSampleId :

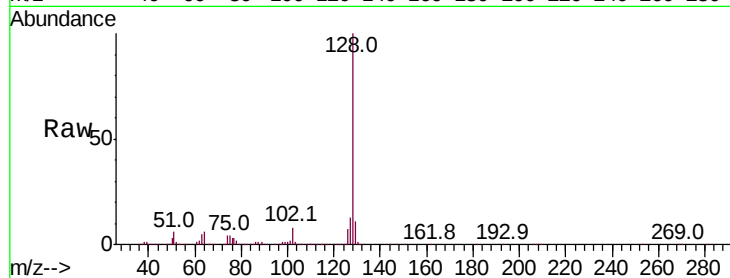
Tot Ion:128 Resp: 2109491

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.6	8.6	12.8

128 100

127 12.8 10.4 15.6

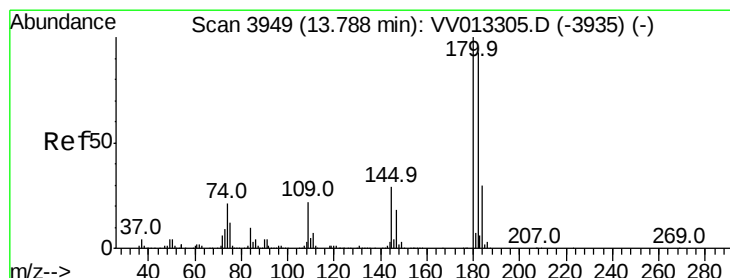
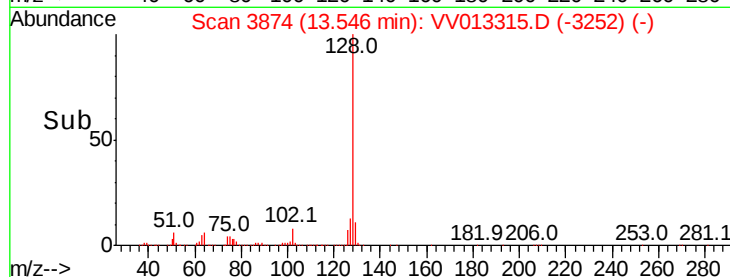
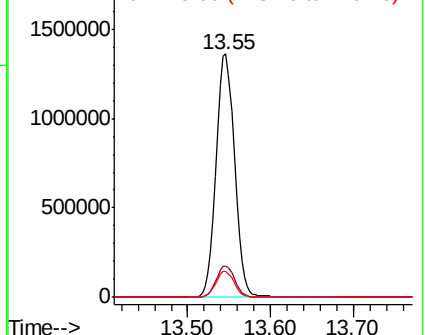
129 10.6 8.6 12.8



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: 60.244 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013315.D

Acq: 24 Oct 2019 13:35

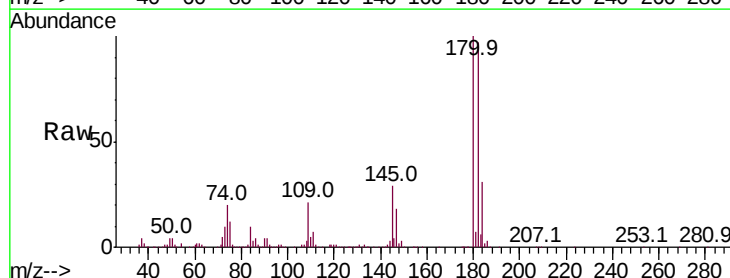
Tgt Ion:180 Resp: 836831

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.6
145	28.4	23.4	35.2

180 100

182 95.1 77.0 115.6

145 28.4 23.4 35.2



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

