

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057614.D
 Acq On : 31 Aug 2019 14:26
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 15:18:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	195405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	329820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	305200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	163841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	441075	120.90	ug/l	0.00
Spiked Amount			Recovery	=	241.80%	
35) Dibromofluoromethane	7.58	113	287935	120.90	ug/l	0.00
Spiked Amount			Recovery	=	241.80%	
50) Toluene-d8	10.08	98	1131545	125.64	ug/l	0.00
Spiked Amount			Recovery	=	251.28%	
62) 4-Bromofluorobenzene	12.40	95	446214	143.48	ug/l	0.00
Spiked Amount			Recovery	=	286.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	332303	135.220	ug/l	100
3) Chloromethane	2.05	50	366831	107.898	ug/l	97
4) Vinyl Chloride	2.18	62	290740	75.680	ug/l	99
5) Bromomethane	2.51	94	182478	77.493	ug/l	95
6) Chloroethane	2.65	64	159871	65.262	ug/l	99
7) Trichlorofluoromethane	2.99	101	399877	67.297	ug/l	98
8) Diethyl Ether	3.40	74	131145	59.149	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	199073	60.933	ug/l	99
10) Methyl Iodide	3.92	142	276382	106.543	ug/l	99
11) Tert butyl alcohol	4.82	59	253902	576.467	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	186196	59.646	ug/l	95
13) Acrolein	3.59	56	88560	262.804	ug/l	95
14) Allyl chloride	4.29	41	593384	117.595	ug/l	99
15) Acrylonitrile	4.97	53	739414	612.781	ug/l	99
16) Acetone	3.81	43	615009	378.834	ug/l	96
17) Carbon Disulfide	4.02	76	624938	97.813	ug/l	100
18) Methyl Acetate	4.31	43	405221	96.349	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	992116	118.035	ug/l	97
20) Methylene Chloride	4.52	84	316446	116.403	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	282154	114.820	ug/l	97
22) Diisopropyl ether	5.94	45	1213382	121.770	ug/l	98
23) Vinyl Acetate	5.88	43	4886338	623.036	ug/l	98
24) 1,1-Dichloroethane	5.82	63	616872	117.886	ug/l	99
25) 2-Butanone	6.83	43	1079549	596.967	ug/l	98
26) 2,2-Dichloropropane	6.80	77	505533	112.748	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	333506	114.886	ug/l	99
28) Bromochloromethane	7.18	49	320017	116.050	ug/l	98
29) Tetrahydrofuran	7.20	42	684312	582.406	ug/l	99
30) Chloroform	7.36	83	618564	113.808	ug/l	96
31) Cyclohexane	7.63	56	576461	113.607	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	520687	116.804	ug/l	99
36) 1,1-Dichloropropene	7.78	75	450437	125.134	ug/l	99
37) Ethyl Acetate	6.92	43	445915	126.143	ug/l	99
38) Carbon Tetrachloride	7.76	117	420987	120.356	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	536124	125.758	ug/l	98
40) Benzene	8.03	78	1312912	122.387	ug/l	97
41) Methacrylonitrile	7.16	41	239561	139.627	ug/l	94
42) 1,2-Dichloroethane	8.11	62	546398	130.376	ug/l	99
43) Isopropyl Acetate	8.16	43	808913	124.974	ug/l	100
44) Trichloroethene	8.82	130	293980	123.228	ug/l	97
45) 1,2-Dichloropropane	9.11	63	360699	119.437	ug/l	99
46) Dibromomethane	9.20	93	229545	119.711	ug/l	99
47) Bromodichloromethane	9.40	83	492059	123.808	ug/l	98
48) Methyl methacrylate	9.19	41	405811	130.413	ug/l	99
49) 1,4-Dioxane	9.20	88	97270	2479.210	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2310302	633.845	ug/l	99
52) Toluene	10.15	92	792265	127.484	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	517900	125.038	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	563181	121.864	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	304638	122.111	ug/l	98
56) Ethyl methacrylate	10.43	69	516760	131.182	ug/l	99
57) 1,3-Dichloropropane	10.71	76	552944	126.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	805878	842.769	ug/l	100
59) 2-Hexanone	10.75	43	1720727	684.470	ug/l	99
60) Dibromochloromethane	10.90	129	329602	126.722	ug/l	100
61) 1,2-Dibromoethane	11.00	107	307308	125.912	ug/l	99
64) Tetrachloroethene	10.63	164	265361	117.269	ug/l	97
65) Chlorobenzene	11.43	112	802620	123.039	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	288245	117.498	ug/l	99
67) Ethyl Benzene	11.51	91	1598128	126.370	ug/l	99
68) m/p-Xylenes	11.62	106	1129463	262.708	ug/l	97
69) o-Xylene	11.95	106	543541	128.122	ug/l	99
70) Styrene	11.96	104	944912	139.573	ug/l	99
71) Bromoform	12.13	173	209717	127.894	ug/l #	100
73) Isopropylbenzene	12.25	105	1521506	81.057	ug/l	99
74) N-amyl acetate	12.07	43	739209	85.769	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	448931	81.507	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	581963	135.217	ug/l #	100
77) Bromobenzene	12.53	156	333436	88.760	ug/l	98
78) n-propylbenzene	12.59	91	1785813	89.442	ug/l	99
79) 2-Chlorotoluene	12.68	91	1088420	90.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1317649	88.819	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	132306	82.714	ug/l	91
82) 4-Chlorotoluene	12.77	91	1120903	98.167	ug/l	100
83) tert-Butylbenzene	12.99	119	1077029	81.817	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1291822	98.251	ug/l	100
85) sec-Butylbenzene	13.17	105	1491153	92.188	ug/l	100
86) p-Isopropyltoluene	13.29	119	1273121	96.599	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	591453	107.819	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	583160	109.308	ug/l	99
89) n-Butylbenzene	13.62	91	1170511	104.515	ug/l	100
90) Hexachloroethane	13.88	117	227255	76.891	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	575866	109.821	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79844	90.787	ug/l	96

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QLast Update : Sat Aug 31 15:14:23 2019
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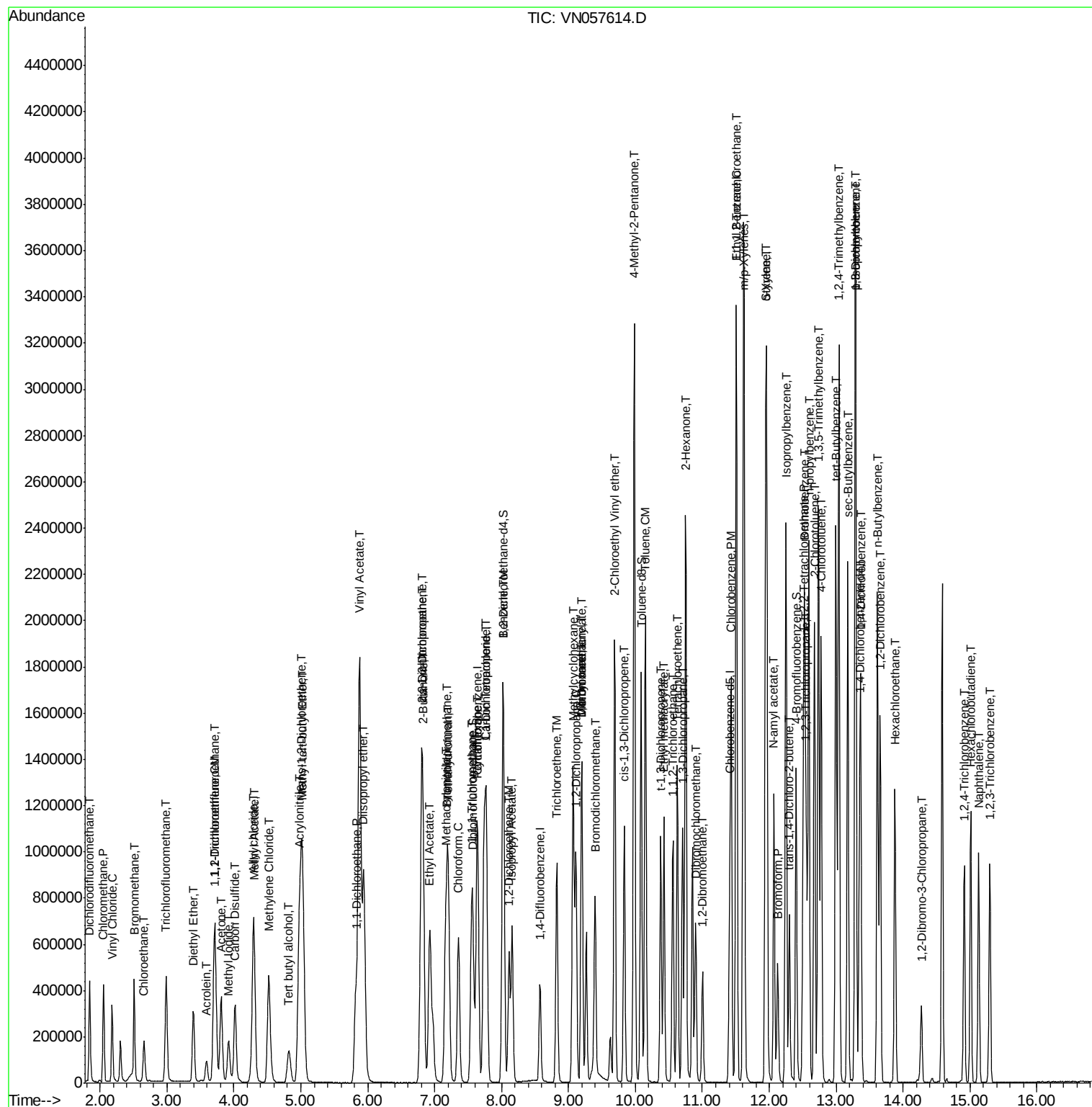
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	250496	130.584	ug/l	99
94) Hexachlorobutadiene	15.01	225	188488	113.197	ug/l	98
95) Naphthalene	15.13	128	731571	116.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	247559	122.945	ug/l	97

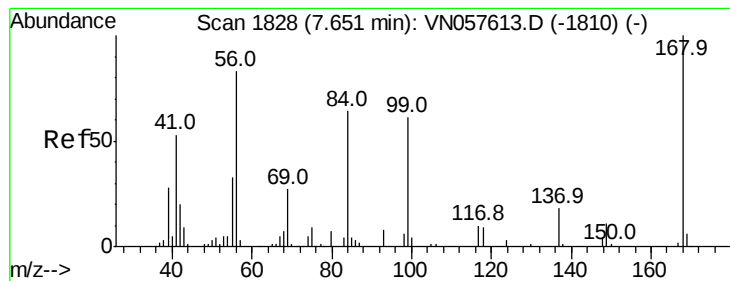
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

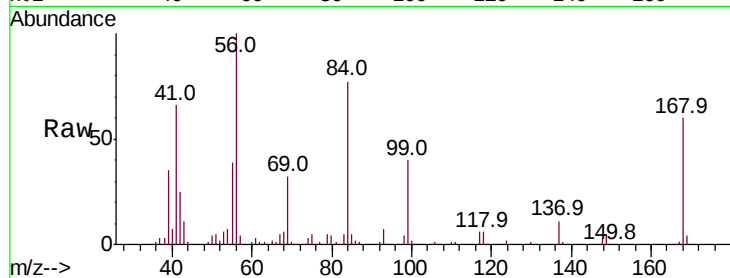
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 195405

Ion Ratio Lower Upper

168 100

99 66.3 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN057613.D (-1810) (-)

Ion 98.90 (98.60 to 99.60): VN057613.D (-1810) (-)

150000

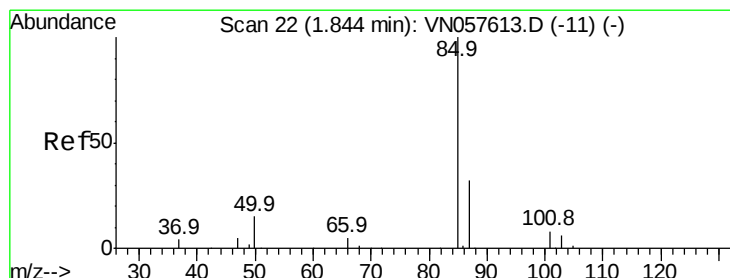
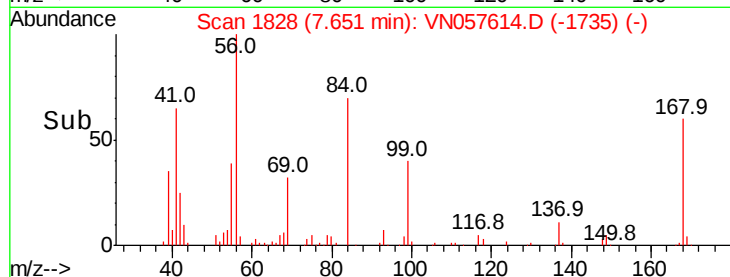
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 135.220 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057614.D

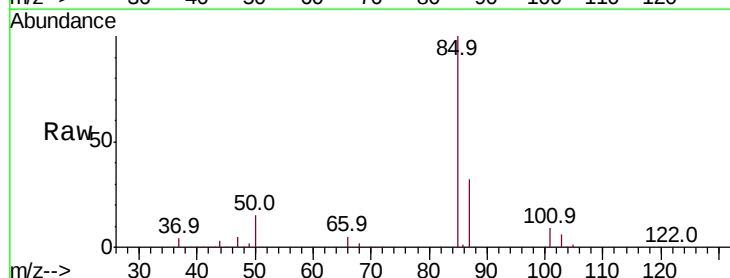
Acq: 31 Aug 2019 14:26

Tgt Ion: 85 Resp: 332303

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN057613.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN057613.D (-11) (-)

250000

200000

150000

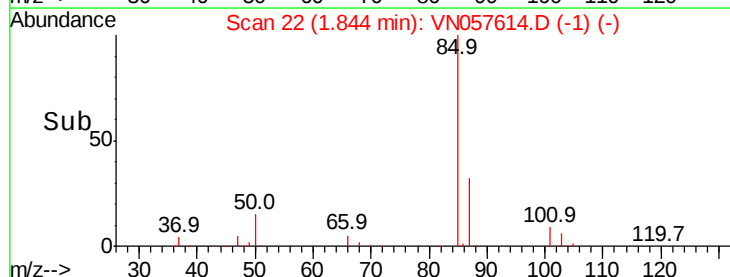
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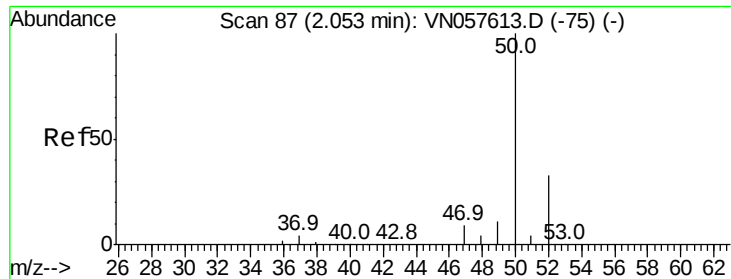
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 107.898 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

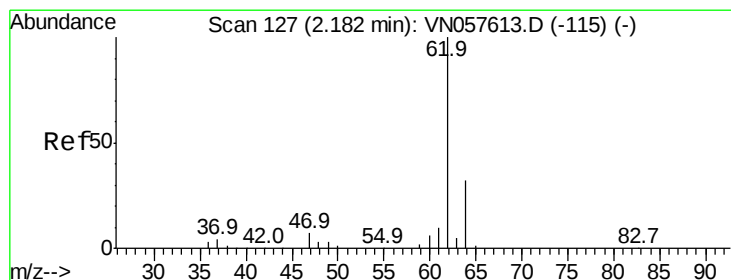
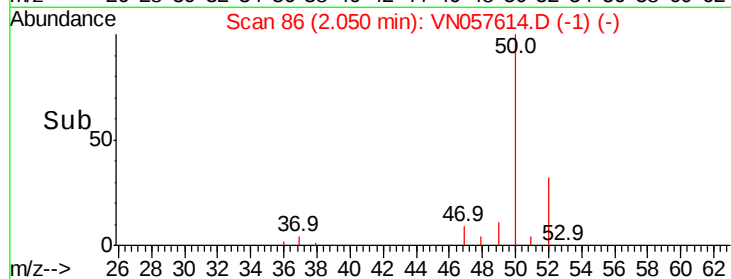
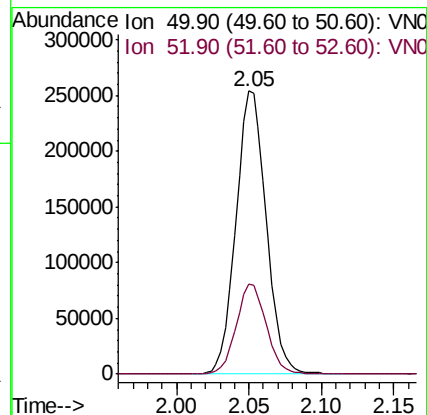
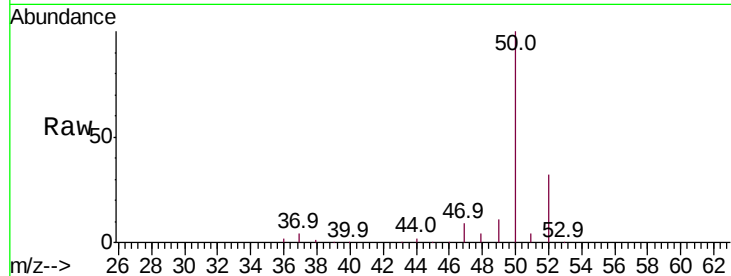
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 366831

Ion Ratio Lower Upper

50 100

52 31.9 26.7 40.1



#4

Vinyl Chloride

Concen: 75.680 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057614.D

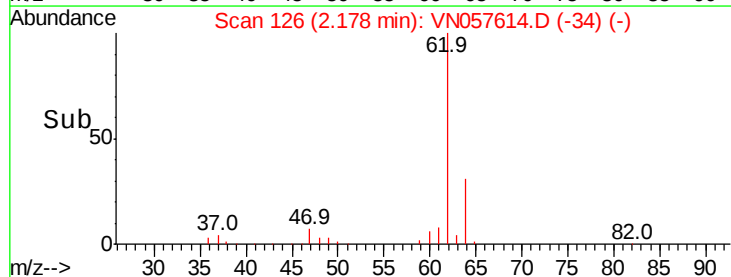
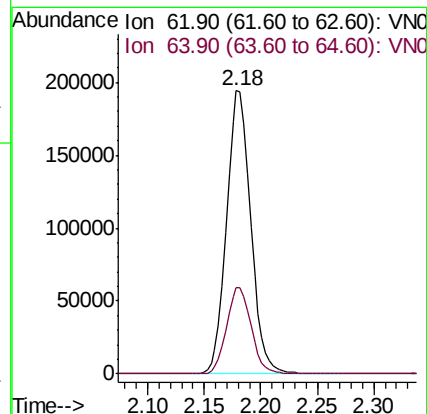
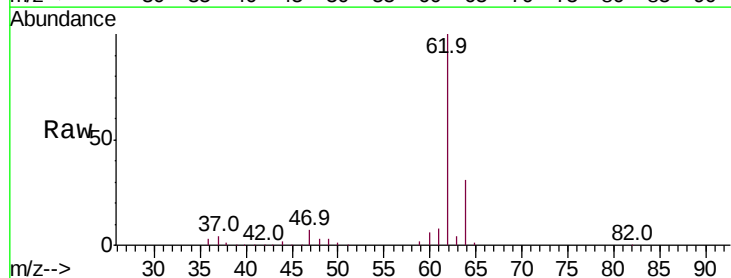
Acq: 31 Aug 2019 14:26

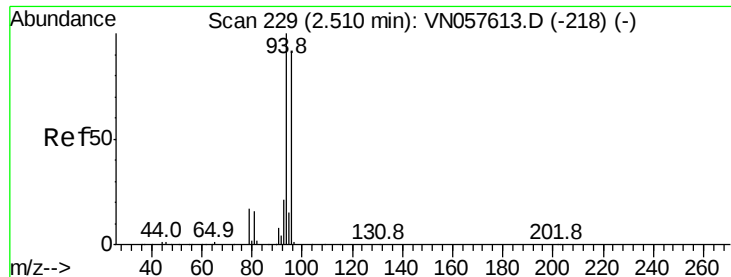
Tgt Ion: 62 Resp: 290740

Ion Ratio Lower Upper

62 100

64 30.7 25.2 37.8





#5

Bromomethane

Concen: 77.493 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

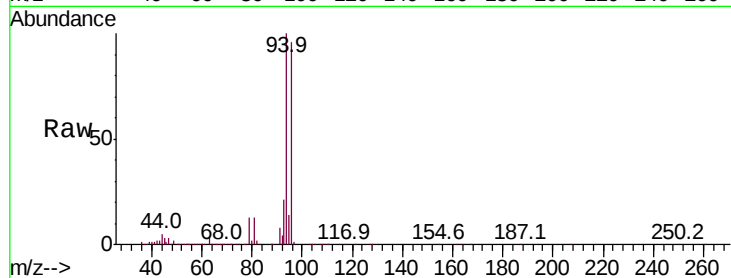
ClientSampleId :

Tot Ion: 94 Resp: 182478

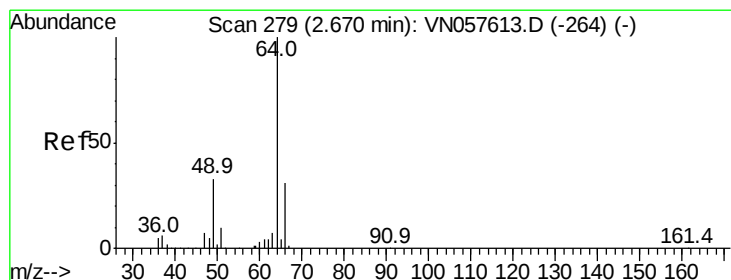
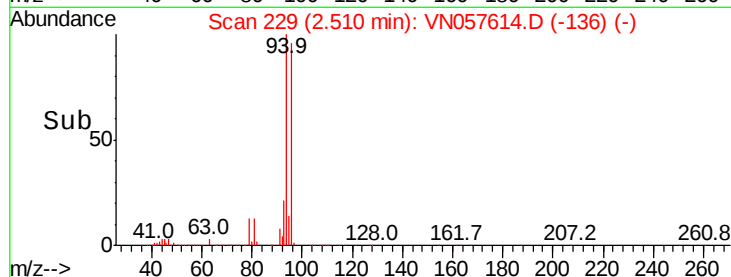
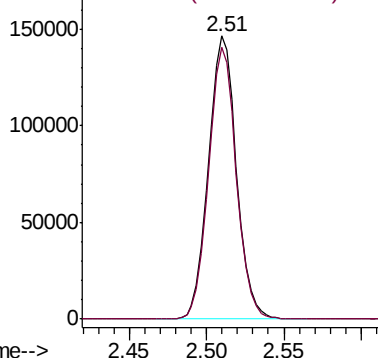
Ion Ratio Lower Upper

94 100

96 96.1 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 65.262 ug/l

RT: 2.65 min Scan# 274

Delta R.T. -0.02 min

Lab File: VN057614.D

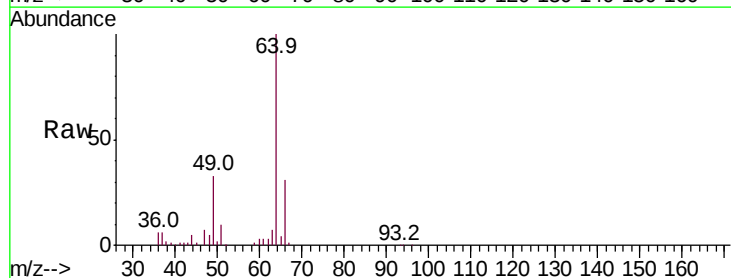
Acq: 31 Aug 2019 14:26

Tgt Ion: 64 Resp: 159871

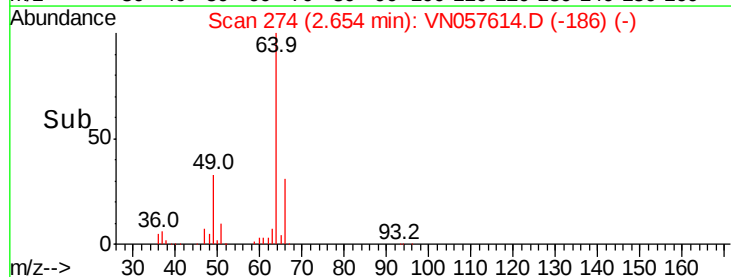
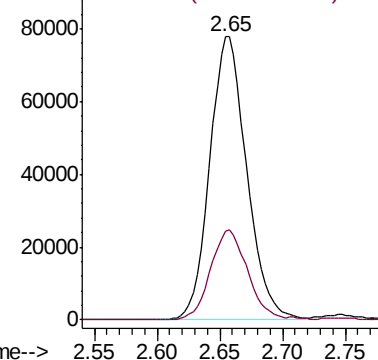
Ion Ratio Lower Upper

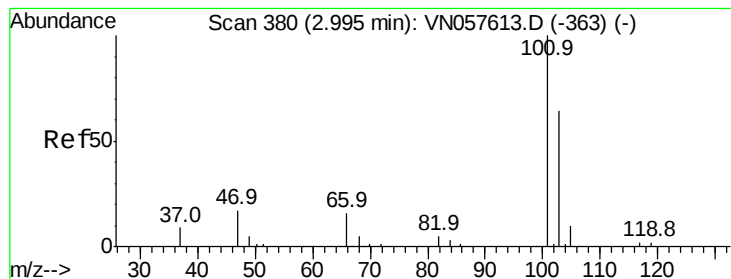
64 100

66 31.2 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



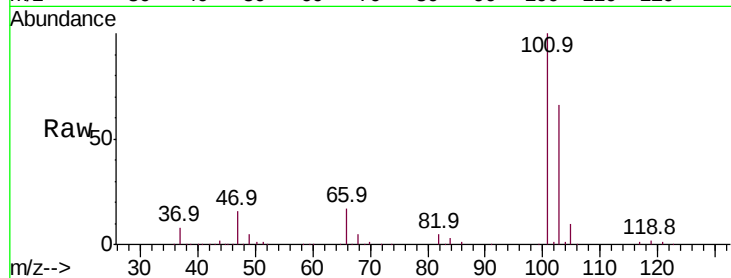


#7

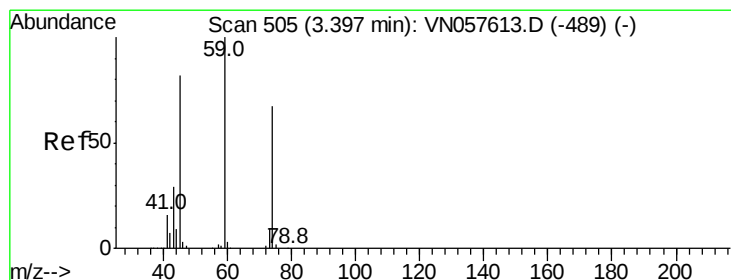
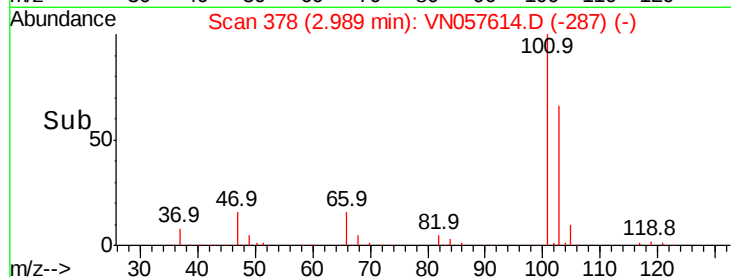
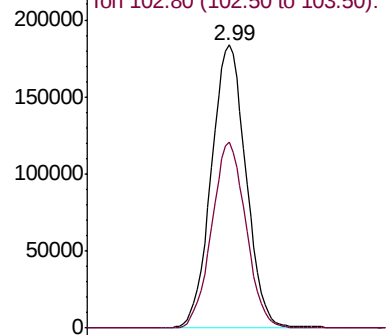
Trichlorofluoromethane
 Concen: 67.297 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 399877
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.3 76.9



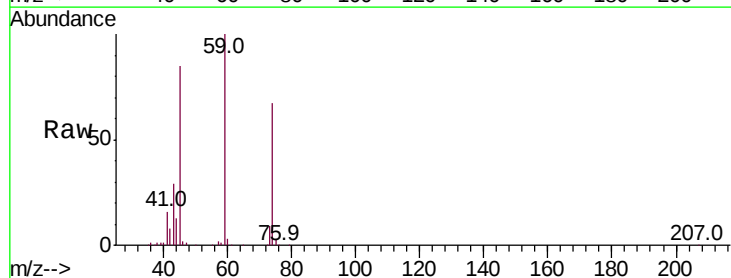
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



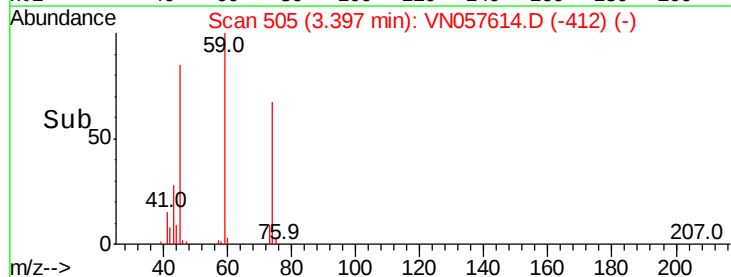
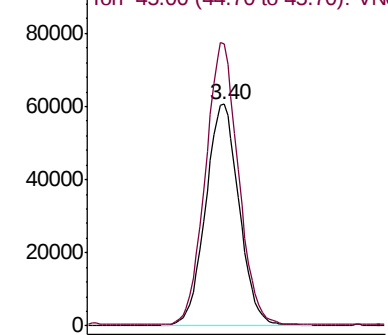
#8

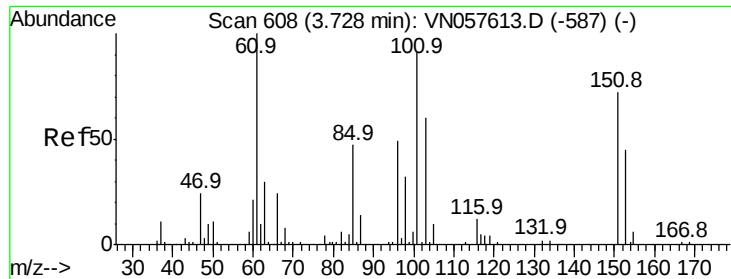
Diethyl Ether
 Concen: 59.149 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057614.D
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Tgt Ion: 74 Resp: 131145
 Ion Ratio Lower Upper
 74 100
 45 124.4 61.9 185.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.933 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

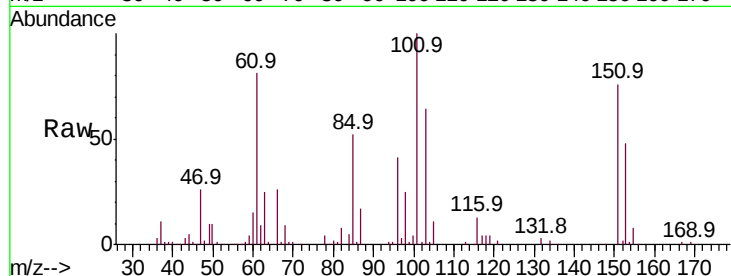
Tot Ion:101 Resp: 199073

Ion Ratio Lower Upper

101 100

85 52.8 42.1 63.1

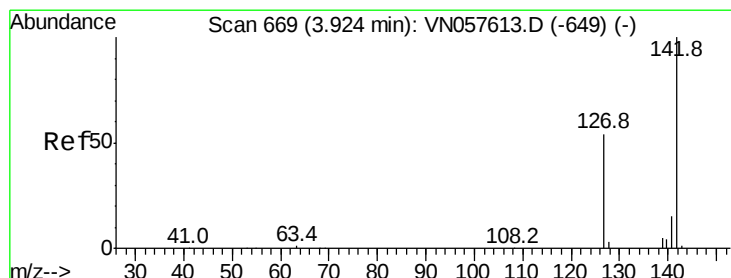
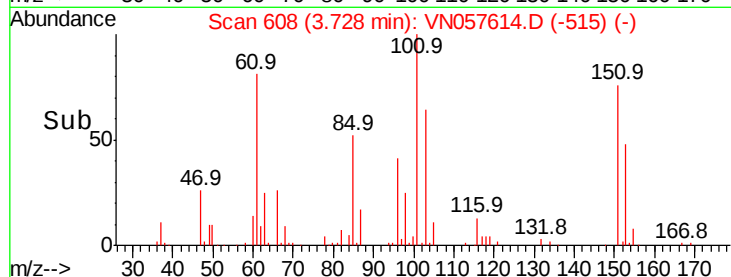
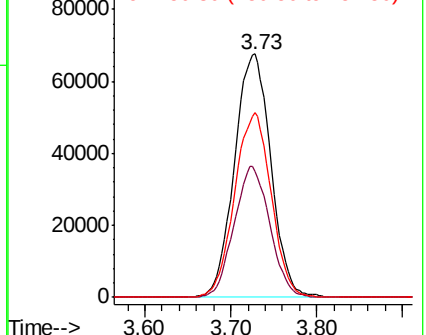
151 76.1 60.2 90.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 106.543 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

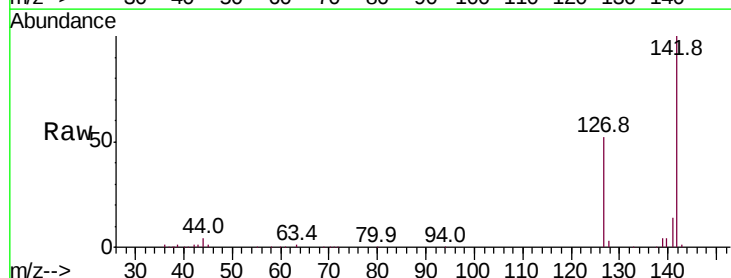
Tgt Ion:142 Resp: 276382

Ion Ratio Lower Upper

142 100

127 52.5 43.0 64.6

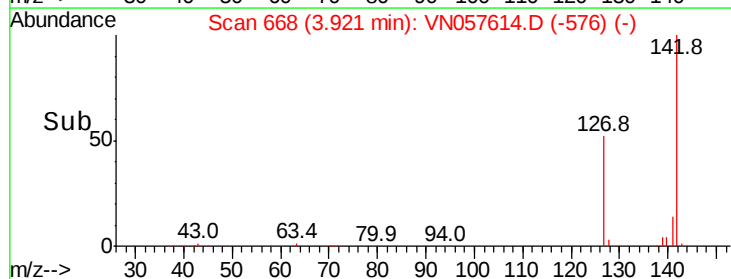
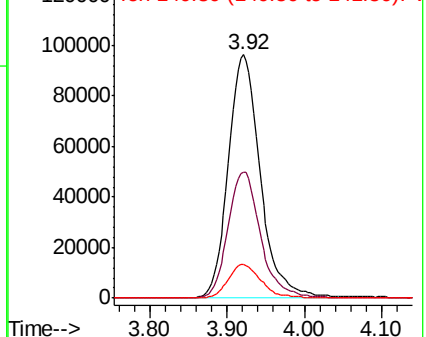
141 14.2 11.4 17.2

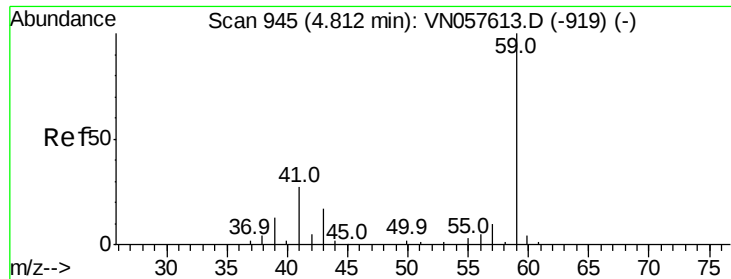


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



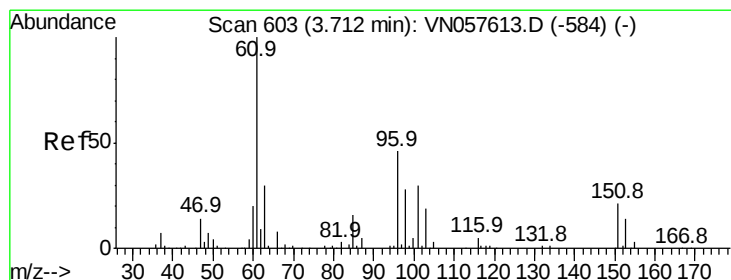
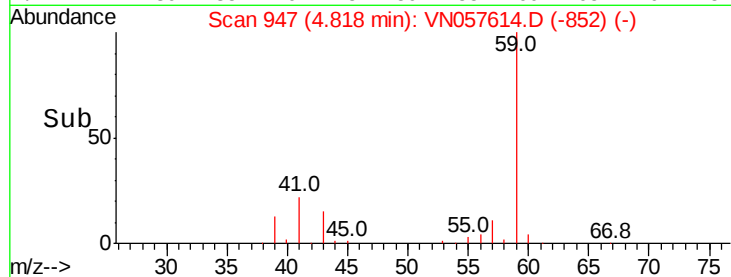
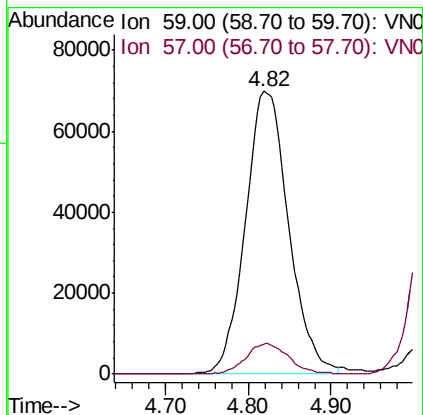
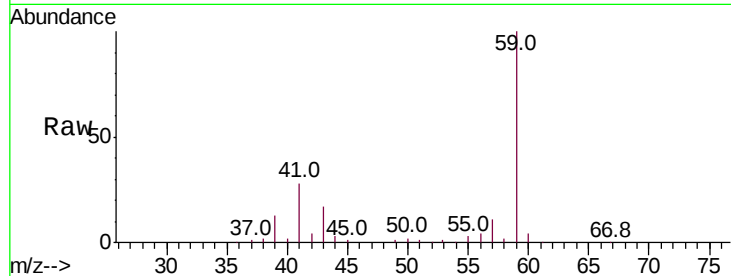


#11

Tert butyl alcohol
Concen: 576.467 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :

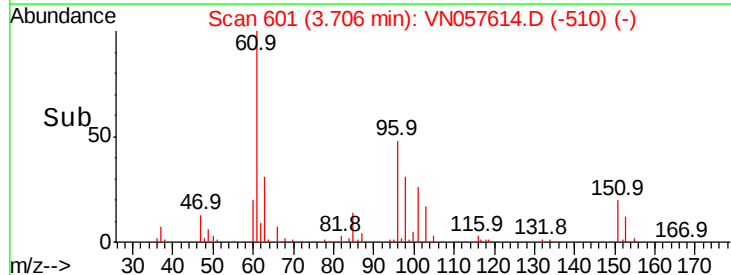
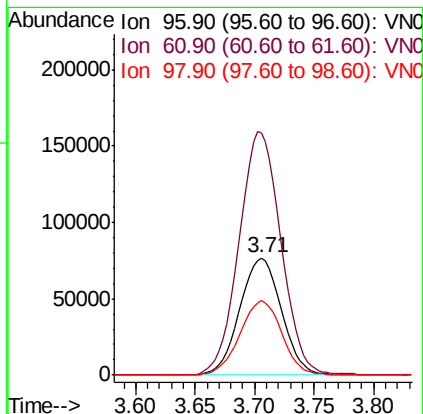
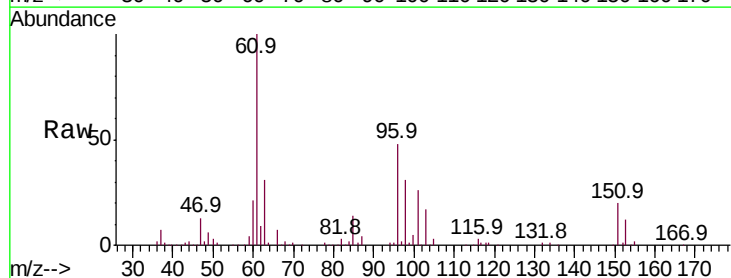
Tot Ion: 59 Resp: 253902
Ion Ratio Lower Upper
59 100
57 10.8 5.0 7.6#

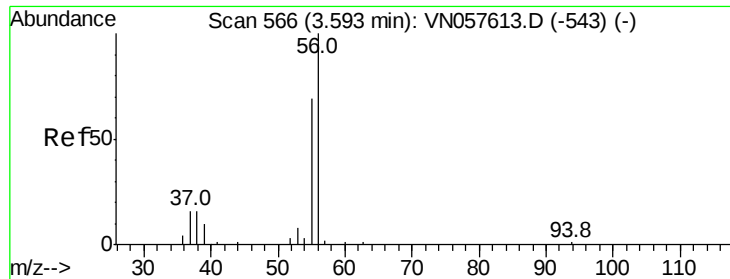


#12

1,1-Dichloroethene
Concen: 59.646 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.01 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 96 Resp: 186196
Ion Ratio Lower Upper
96 100
61 206.6 172.1 258.1
98 63.3 48.3 72.5





#13

Acrolein

Concen: 262.804 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

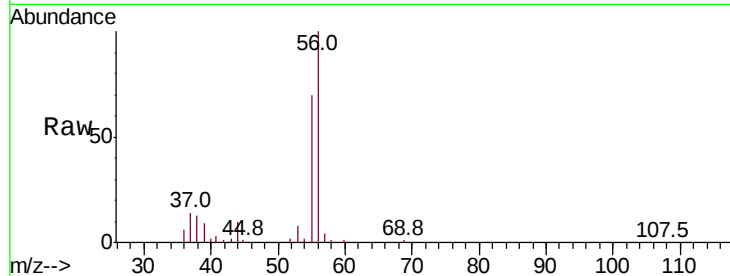
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 88560

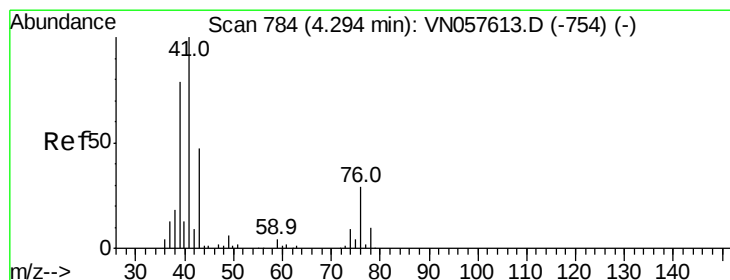
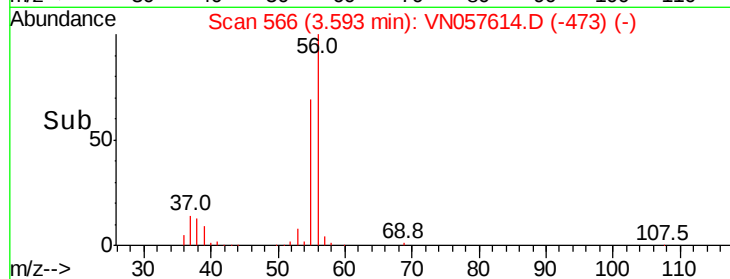
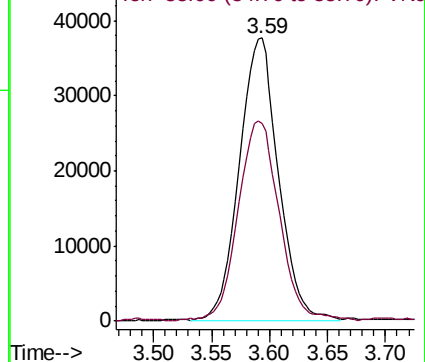
Ion Ratio Lower Upper

56 100

55 74.5 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 55.00 (54.70 to 55.70): VNC



#14

Allyl chloride

Concen: 117.595 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

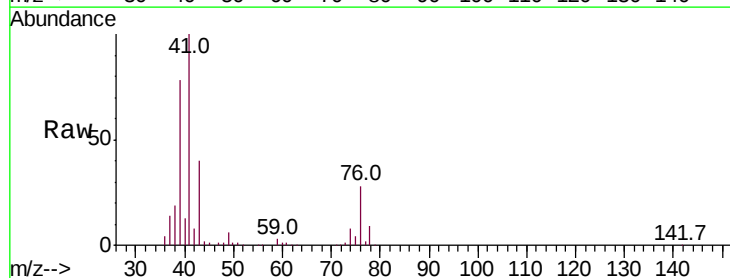
Tgt Ion: 41 Resp: 593384

Ion Ratio Lower Upper

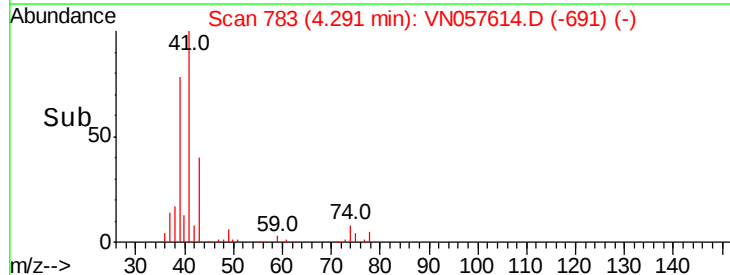
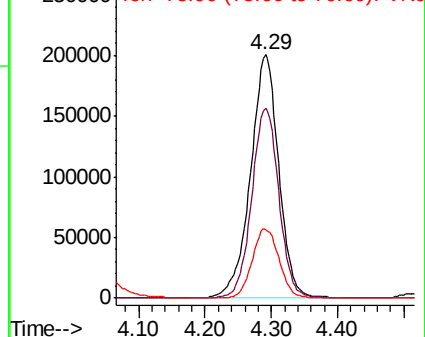
41 100

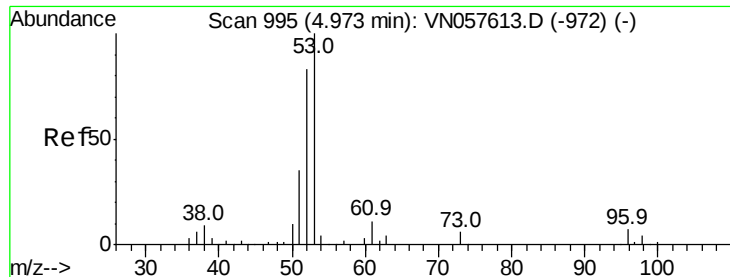
39 75.2 60.9 91.3

76 27.2 21.1 31.7



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 75.90 (75.60 to 76.60): VNC





#15

Acrylonitrile

Concen: 612.781 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

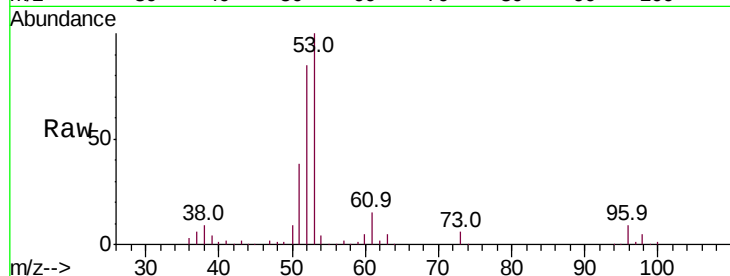
Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 739414

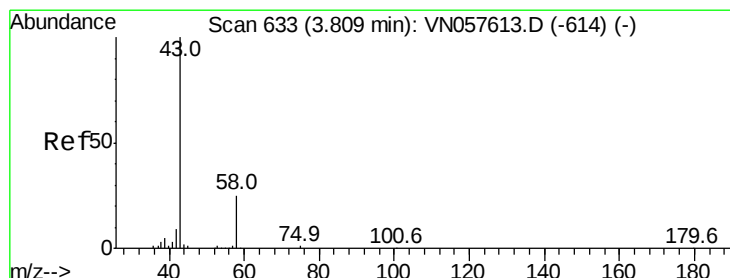
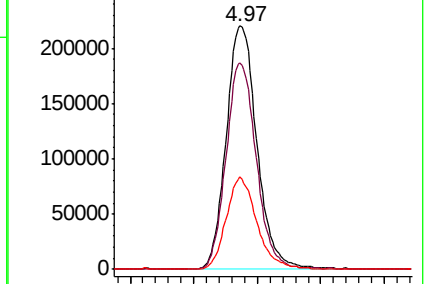
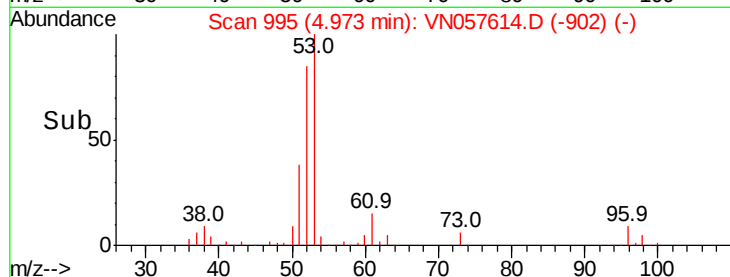
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	37.9	30.2	45.4



Abundance Ion 53.00 (52.70 to 53.70): VN057614.D (-902) (-)

Ion 52.00 (51.70 to 52.70): VN057614.D (-902) (-)

Ion 51.00 (50.70 to 51.70): VN057614.D (-902) (-)



#16

Acetone

Concen: 378.834 ug/l

RT: 3.81 min Scan# 633

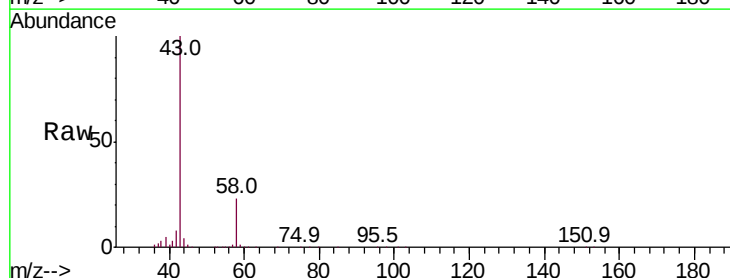
Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

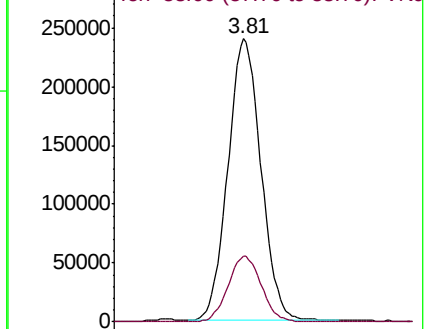
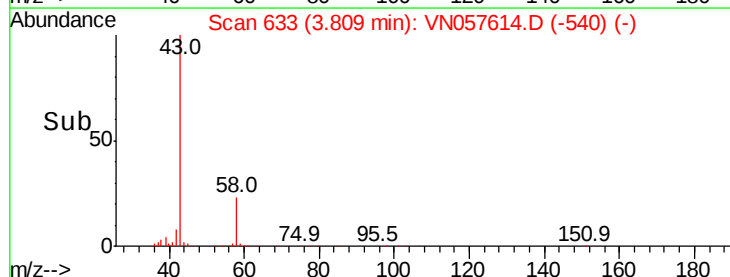
Tgt Ion: 43 Resp: 615009

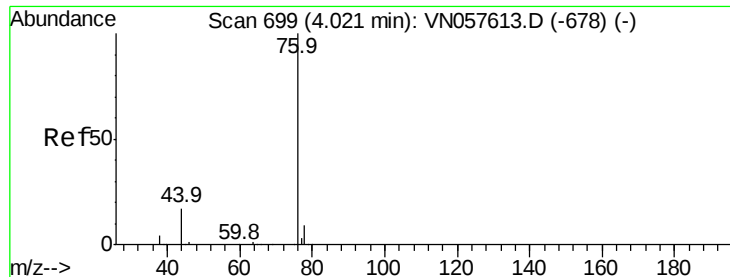
Ion	Ratio	Lower	Upper
43	100		
58	23.1	20.0	30.0



Abundance Ion 43.00 (42.70 to 43.70): VN057614.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN057614.D (-540) (-)





#17

Carbon Disulfide

Concen: 97.813 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

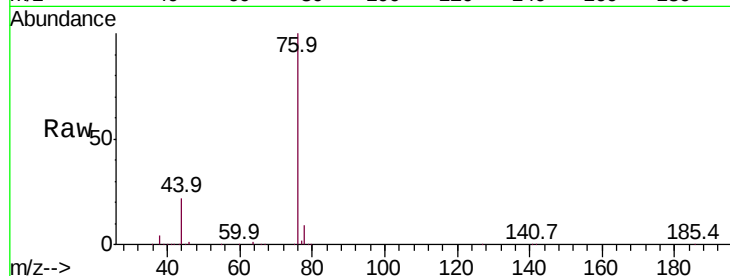
ClientSampled :

Tot Ion: 76 Resp: 624938

Ion Ratio Lower Upper

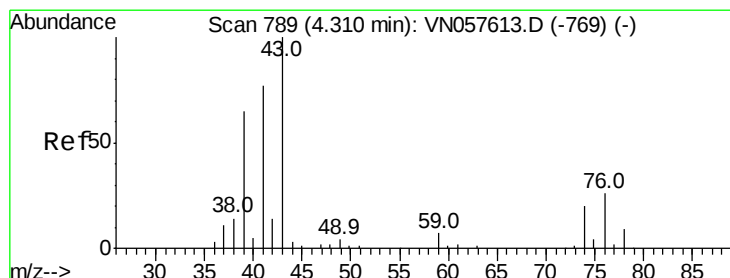
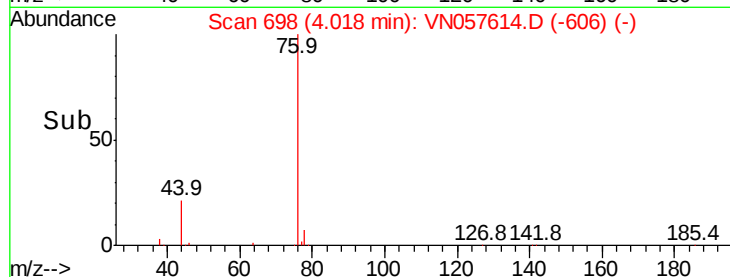
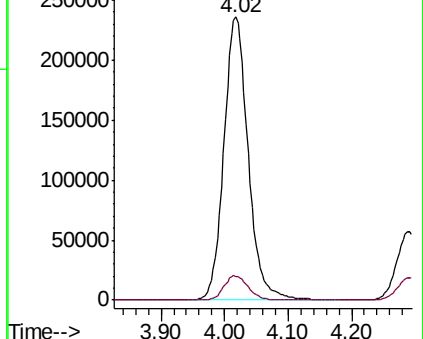
76 100

78 8.5 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 96.349 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN057614.D

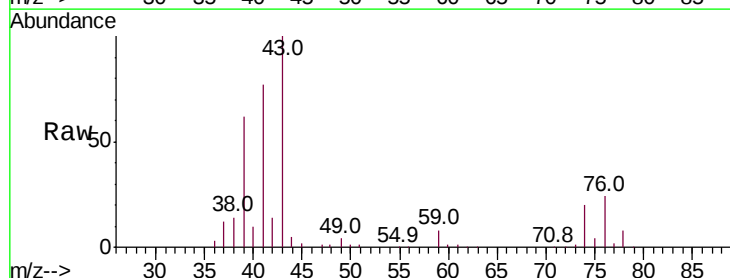
Acq: 31 Aug 2019 14:26

Tgt Ion: 43 Resp: 405221

Ion Ratio Lower Upper

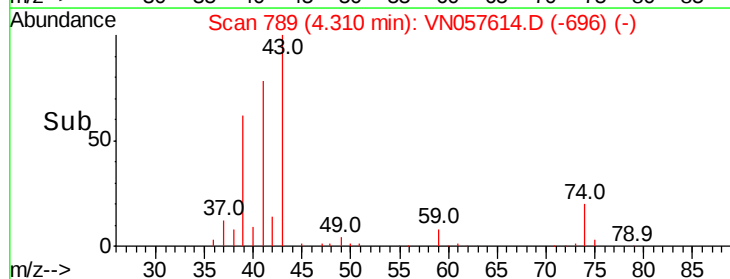
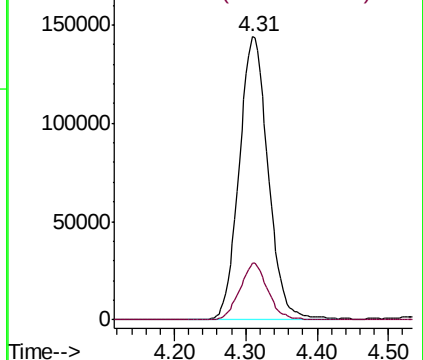
43 100

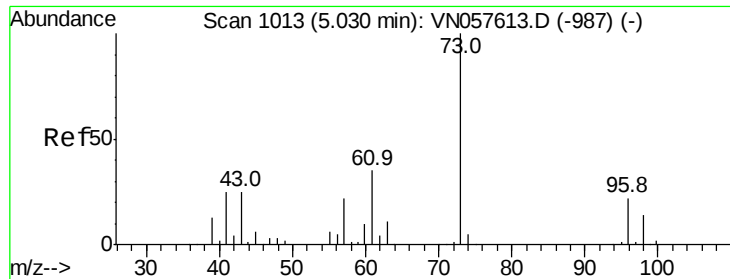
74 19.5 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

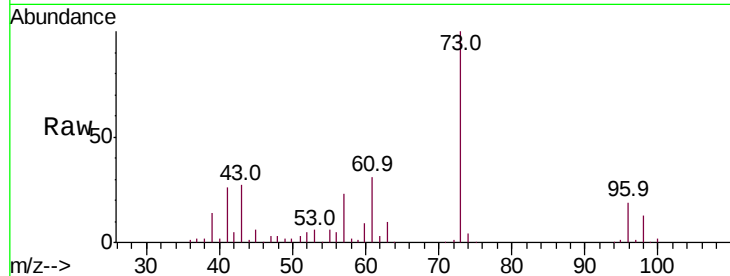




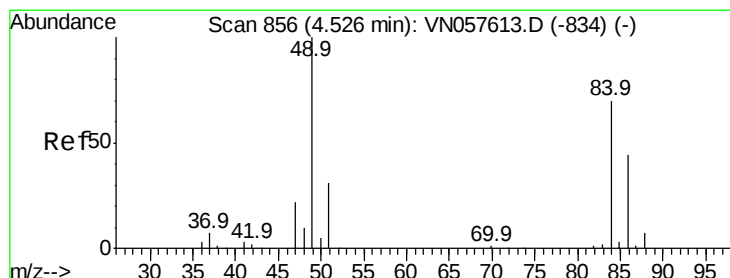
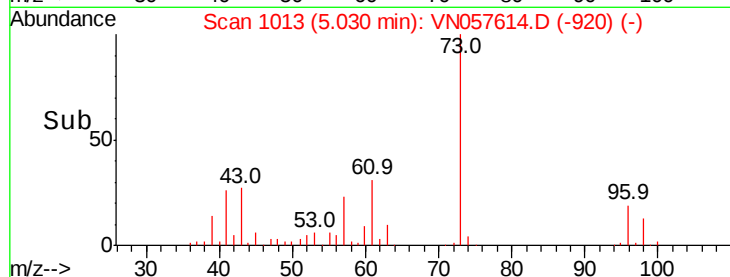
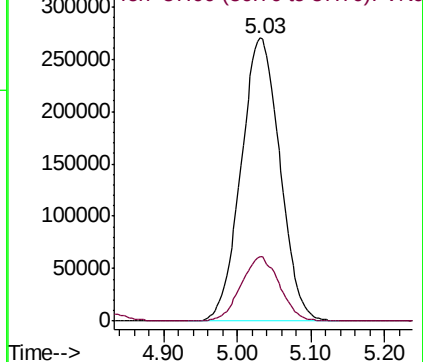
#19
Methvl tert-butvl Ether
Concen: 118.035 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 992116
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9

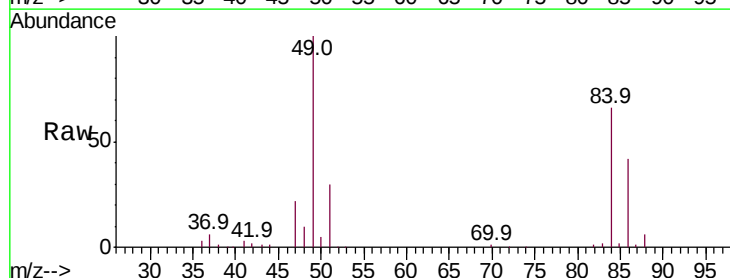


Abundance Ion 73.00 (72.70 to 73.70): VNO
Ion 57.00 (56.70 to 57.70): VNO

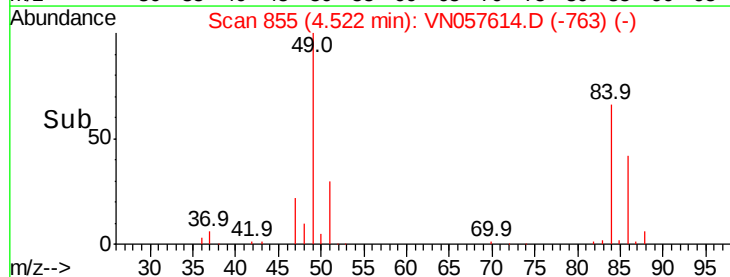
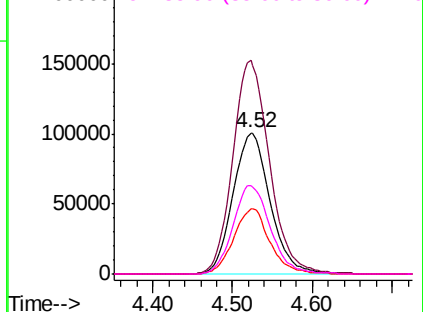


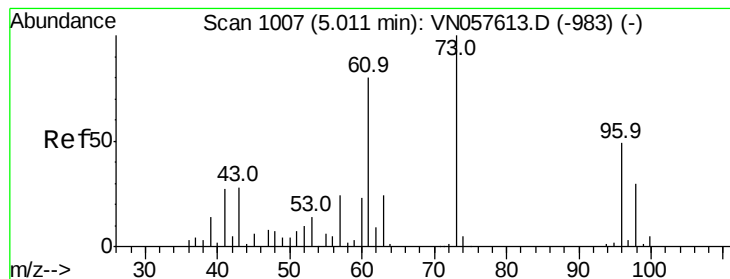
#20
Methylene Chloride
Concen: 116.403 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 84 Resp: 316446
Ion Ratio Lower Upper
84 100
49 151.3 113.8 170.6
51 46.0 35.0 52.6
86 63.0 50.6 75.8



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO





#21

trans-1,2-Dichloroethene

Concen: 114.820 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

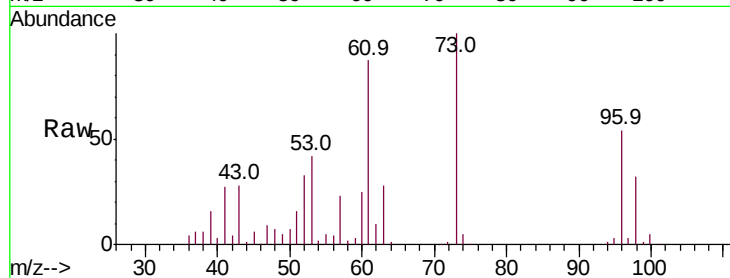
Tot Ion: 96 Resp: 282154

Ion Ratio Lower Upper

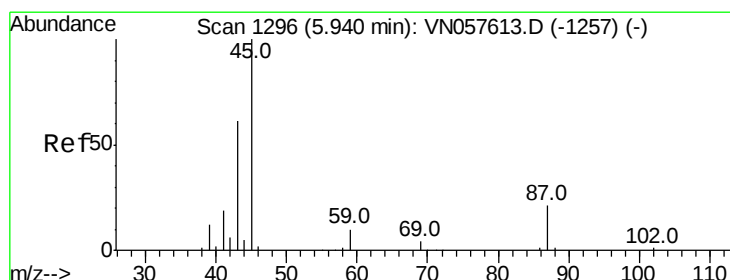
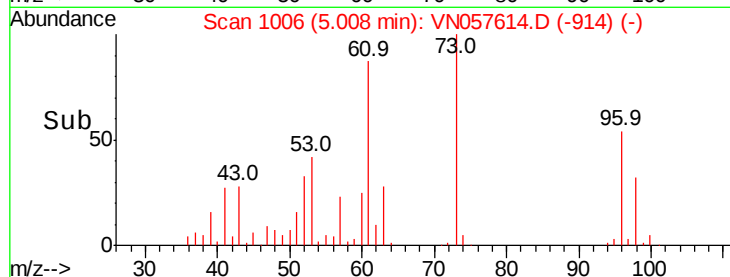
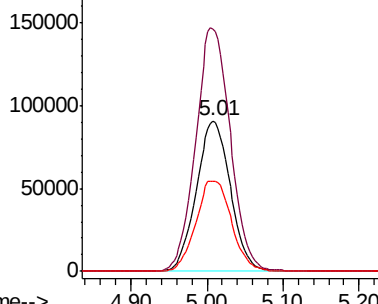
96 100

61 161.0 131.6 197.4

98 59.7 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VNC
200000
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 121.770 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion: 45 Resp: 1213382

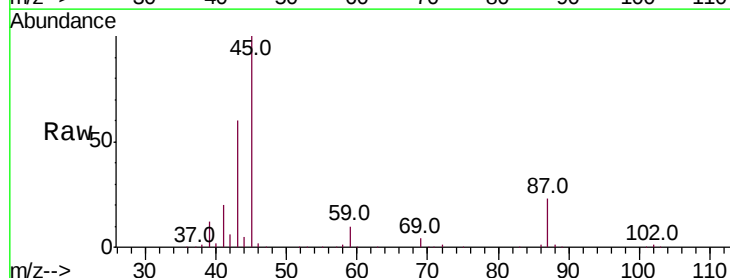
Ion Ratio Lower Upper

45 100

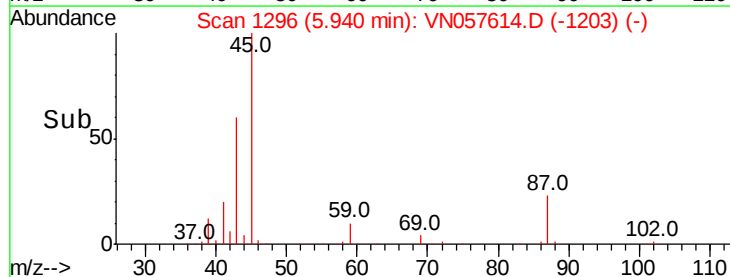
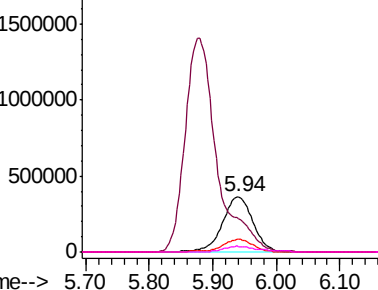
43 59.8 49.1 73.7

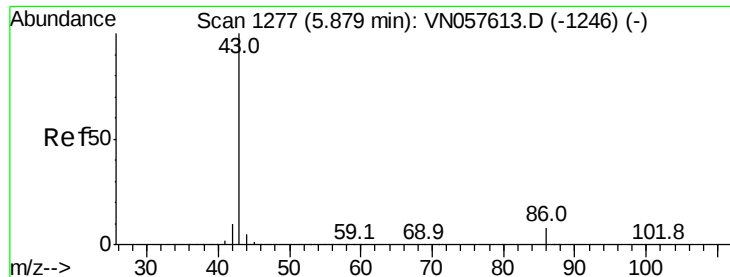
87 22.5 17.0 25.6

59 10.2 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VNC
2000000
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 623.036 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

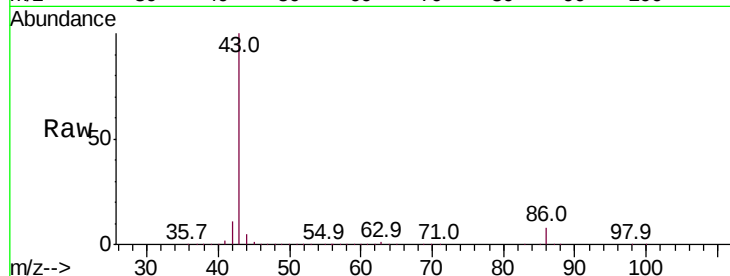
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4886338

Ion Ratio Lower Upper

43 100

86 8.2 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1500000

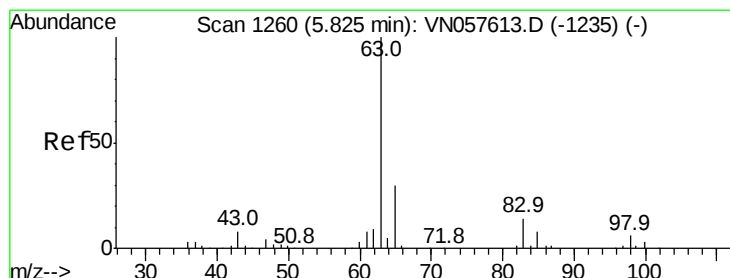
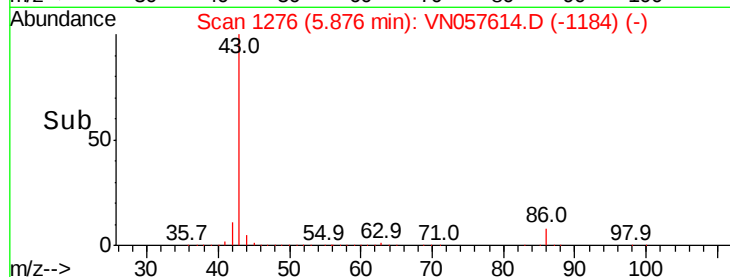
1000000

500000

0

5.88

Time-->



#24

1,1-Dichloroethane

Concen: 117.886 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

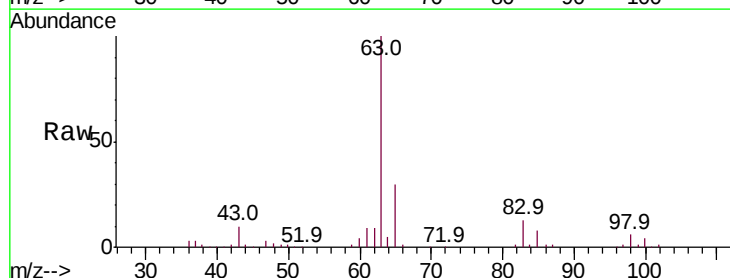
Tgt Ion: 63 Resp: 616872

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.7 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

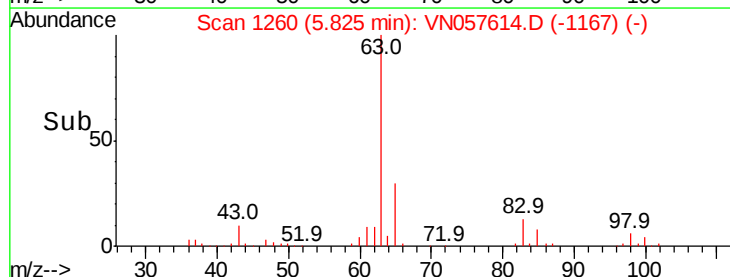
100000

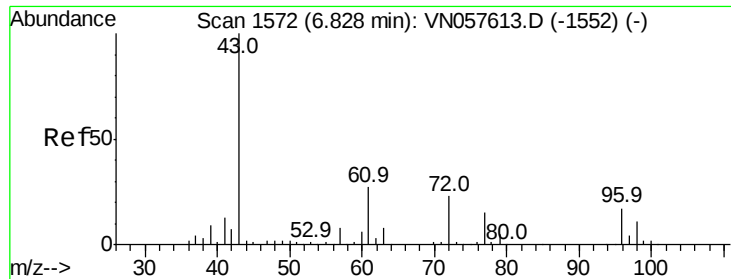
50000

0

5.82

Time-->





#25

2-Butanone

Concen: 596.967 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

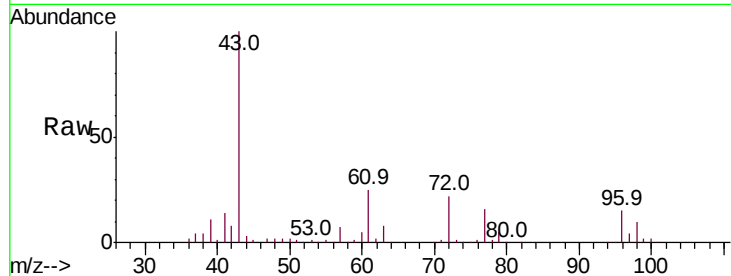
ClientSampled :

Tot Ion: 43 Resp: 1079549

Ion Ratio Lower Upper

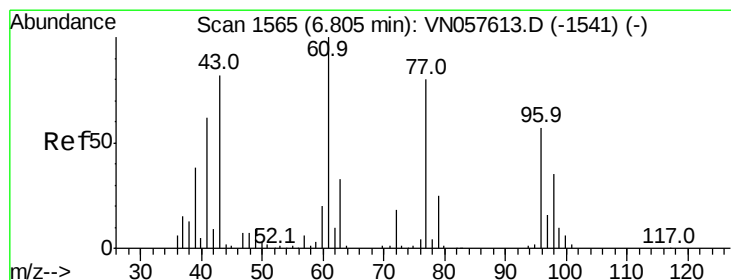
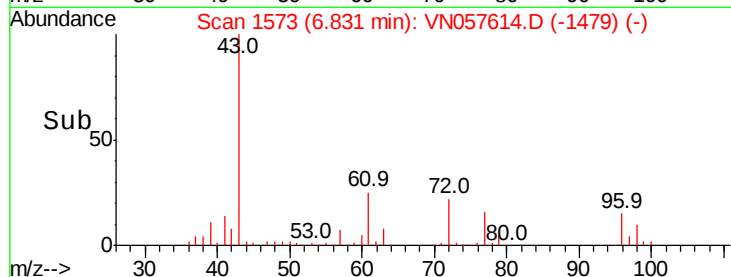
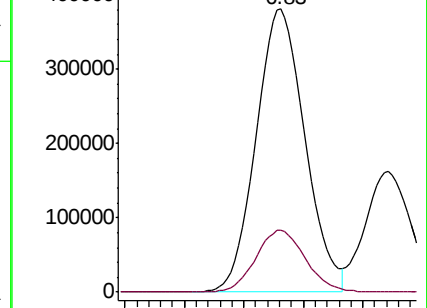
43 100

72 22.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 112.748 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057614.D

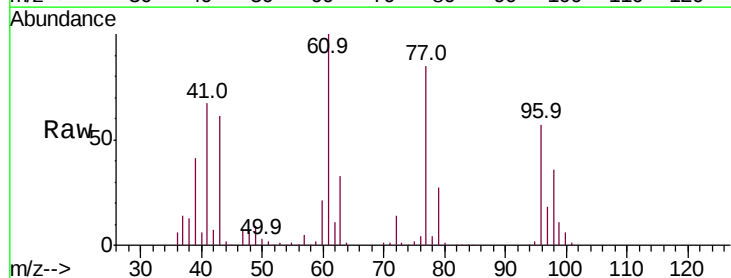
Acq: 31 Aug 2019 14:26

Tgt Ion: 77 Resp: 505533

Ion Ratio Lower Upper

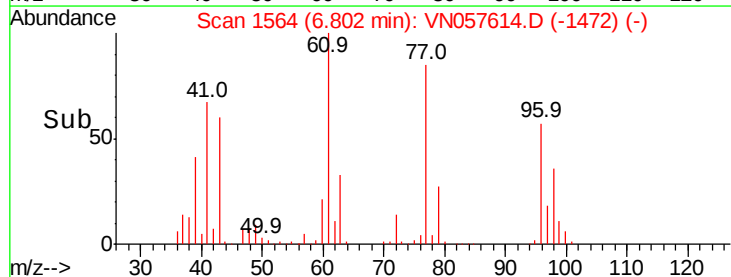
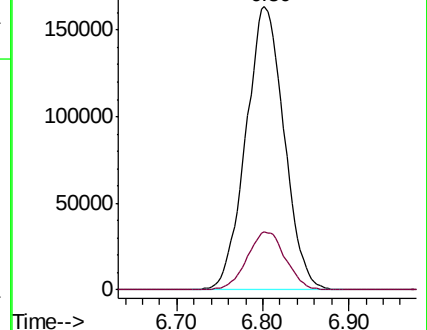
77 100

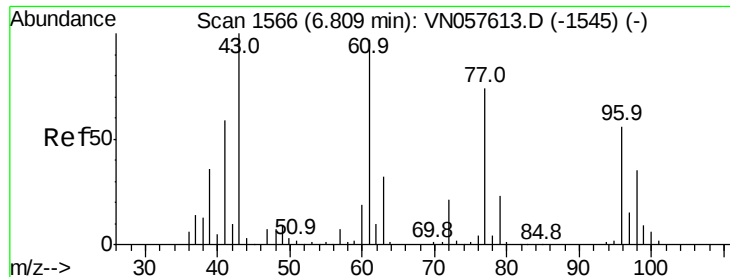
97 20.6 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 114.886 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

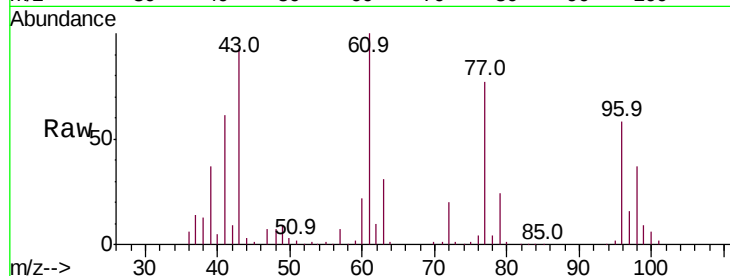
Tot Ion: 96 Resp: 333506

Ion Ratio Lower Upper

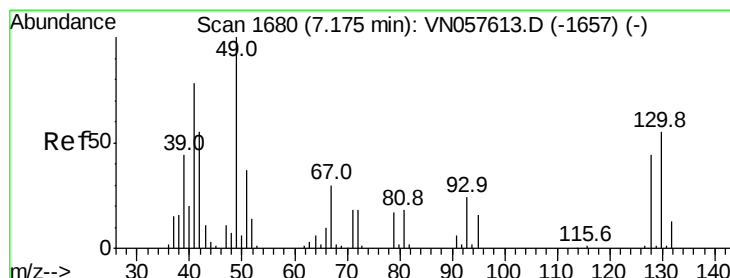
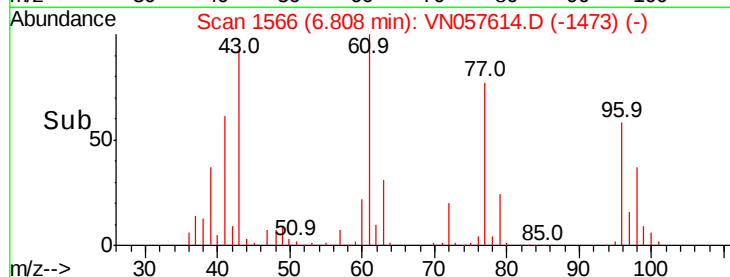
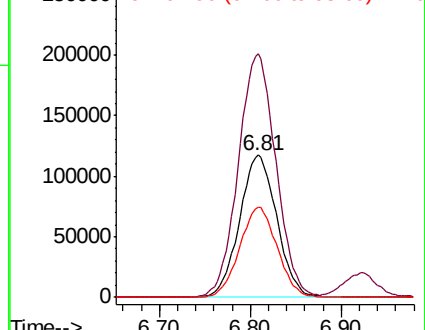
96 100

61 173.0 0.0 344.6

98 64.1 0.0 124.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 116.050 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

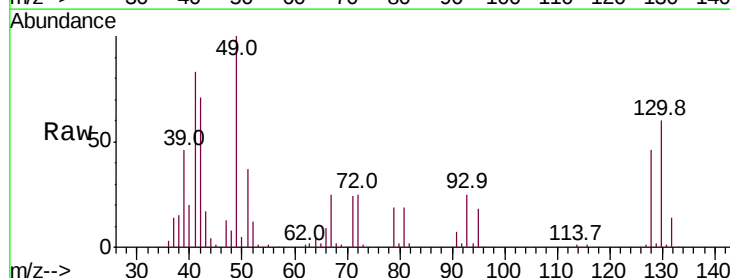
Tgt Ion: 49 Resp: 320017

Ion Ratio Lower Upper

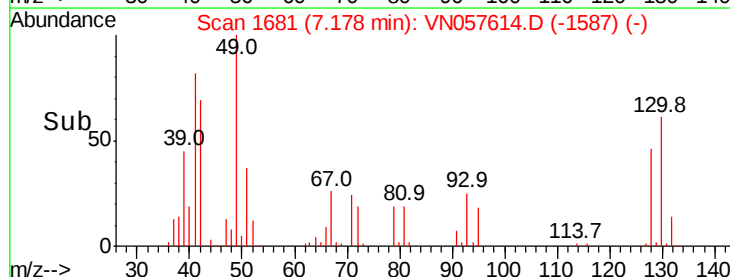
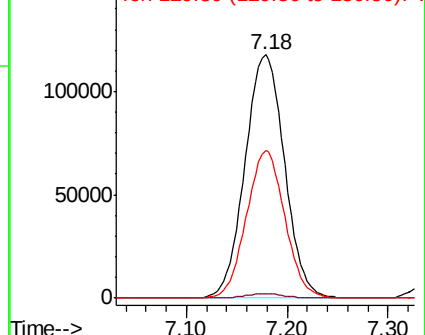
49 100

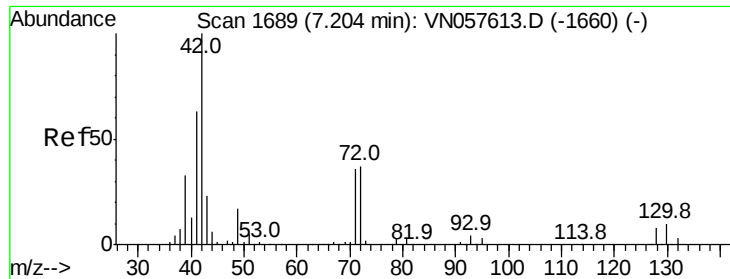
129 1.8 0.0 1.8

130 58.9 45.8 68.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

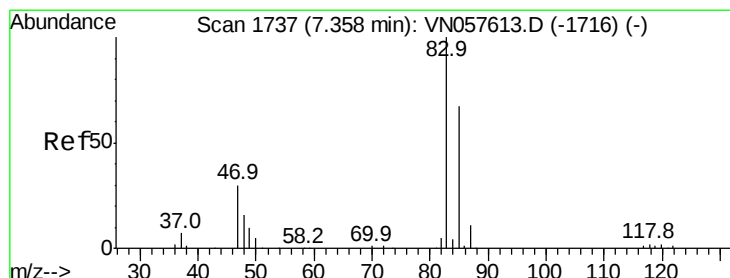
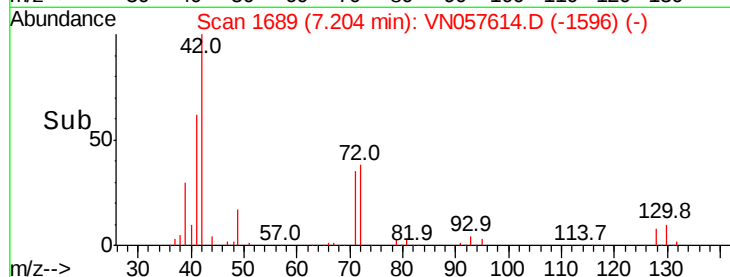
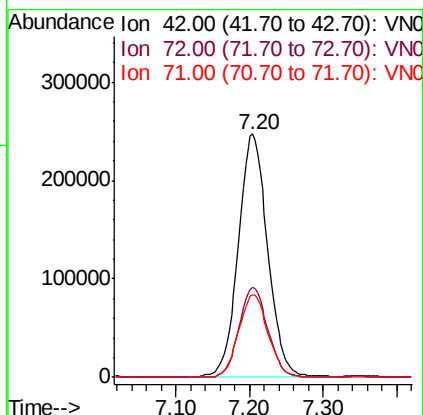
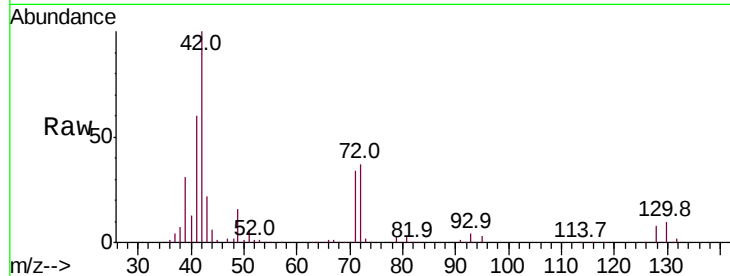




#29
Tetrahydrofuran
Concen: 582.406 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

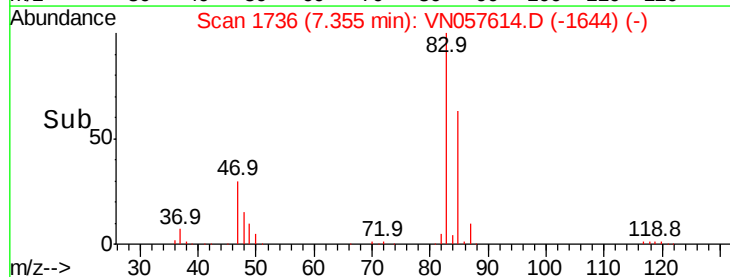
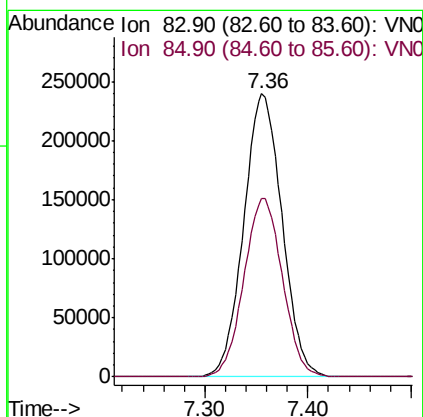
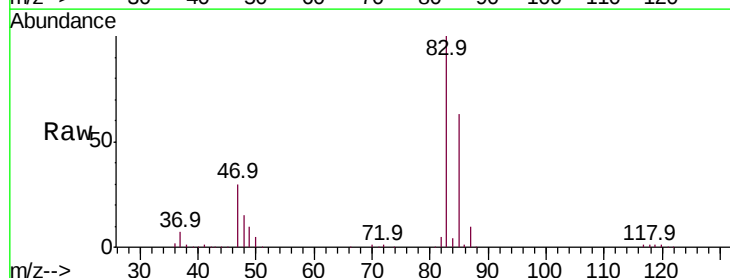
Instrument :
MSVOA_N
ClientSampleId :

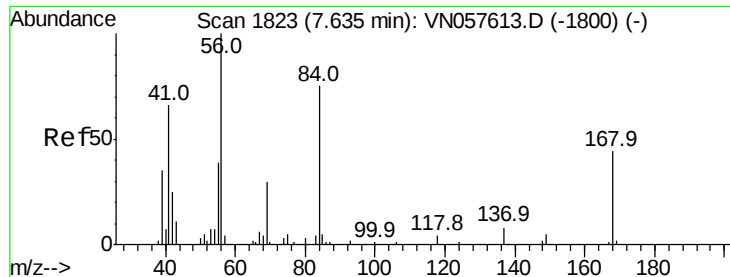
Tot Ion: 42 Resp: 684312
Ion Ratio Lower Upper
42 100
72 36.6 29.6 44.4
71 34.0 27.9 41.9



#30
Chloroform
Concen: 113.808 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 83 Resp: 618564
Ion Ratio Lower Upper
83 100
85 63.2 53.2 79.8

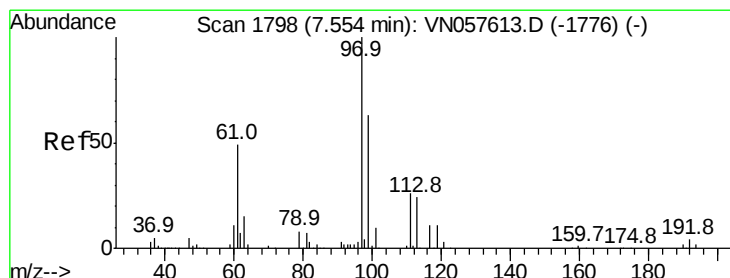
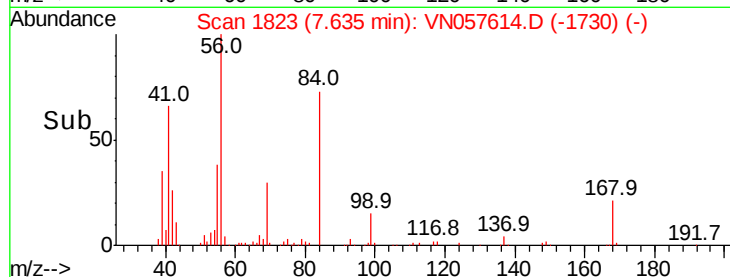
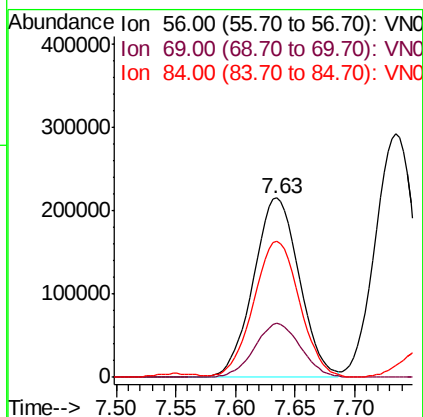
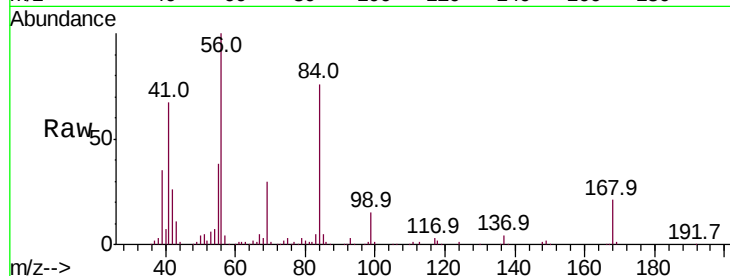




#31
Cyclohexane
Concen: 113.607 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

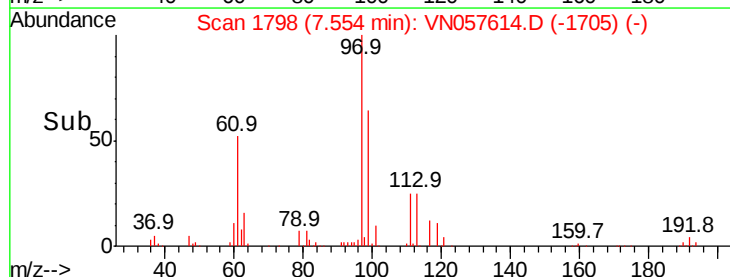
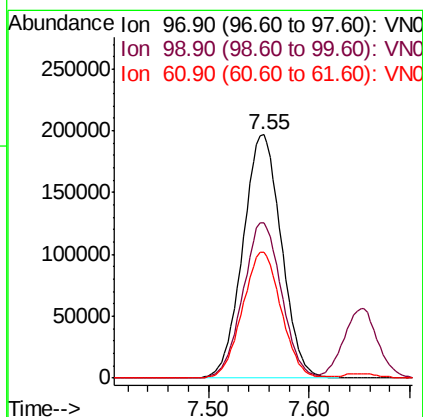
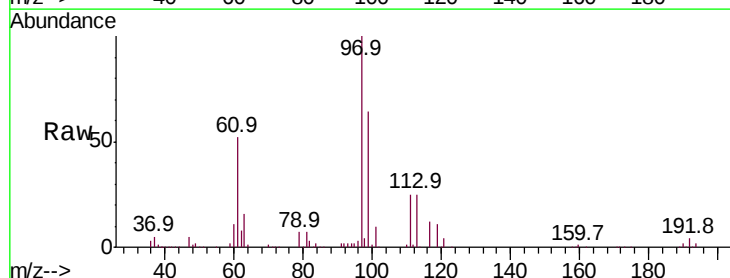
Instrument :
MSVOA_N
ClientSampleId :

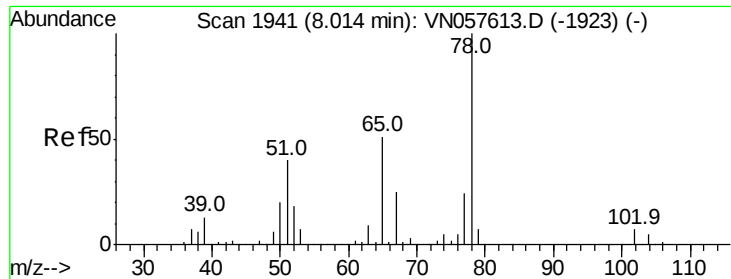
Tot Ion: 56 Resp: 576461
Ion Ratio Lower Upper
56 100
69 30.0 24.4 36.6
84 74.3 59.9 89.9



#32
1,1,1-Trichloroethane
Concen: 116.804 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 97 Resp: 520687
Ion Ratio Lower Upper
97 100
99 63.9 50.6 75.8
61 52.0 41.1 61.7





#33

1,2-Dichloroethane-d4

Concen: 120.905 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

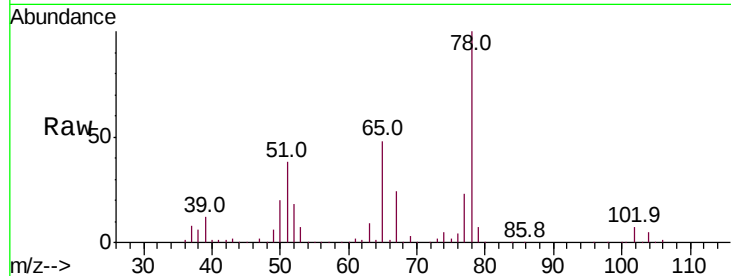
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 441075

Ion Ratio Lower Upper

65 100

67 50.0 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VN057614.D (-1848) (-)

Ion 66.90 (66.60 to 67.60): VN057614.D (-1848) (-)

8.01

200000

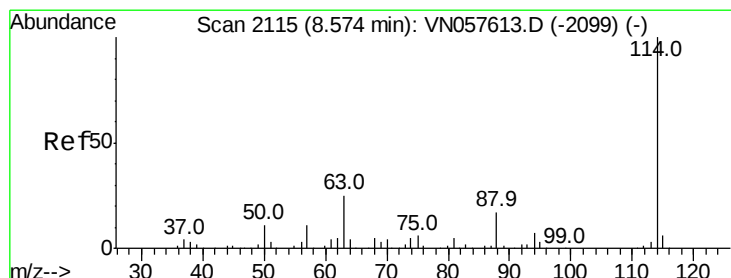
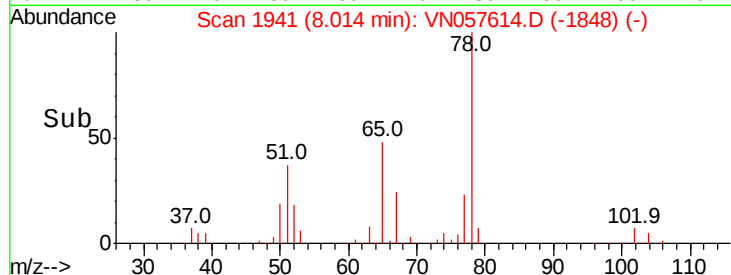
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

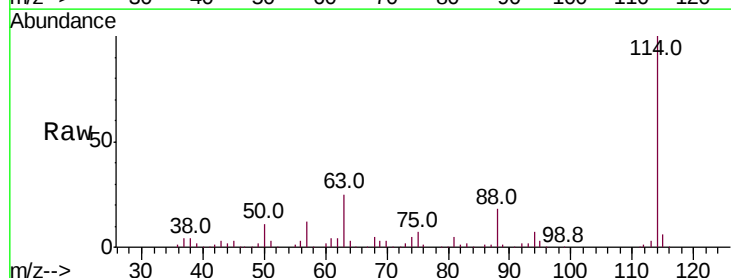
Tgt Ion:114 Resp: 329820

Ion Ratio Lower Upper

114 100

63 25.4 0.0 49.0

88 17.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN057614.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN057614.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN057614.D (-2022) (-)

8.58

200000

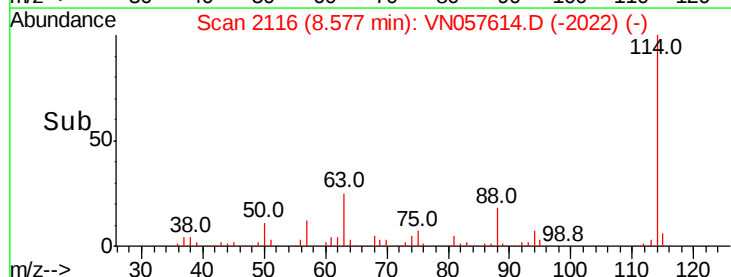
150000

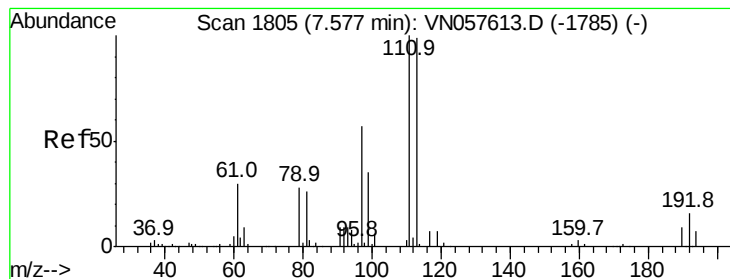
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 120.904 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :

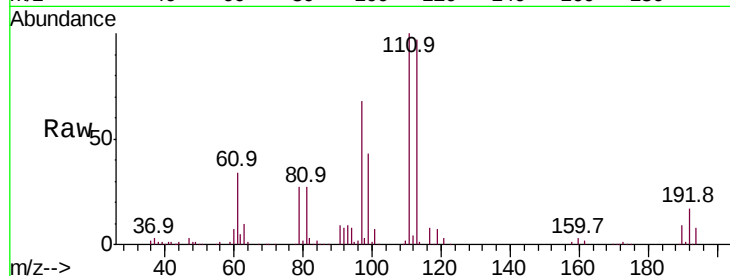
Tot Ion:113 Resp: 287935

Ion Ratio Lower Upper

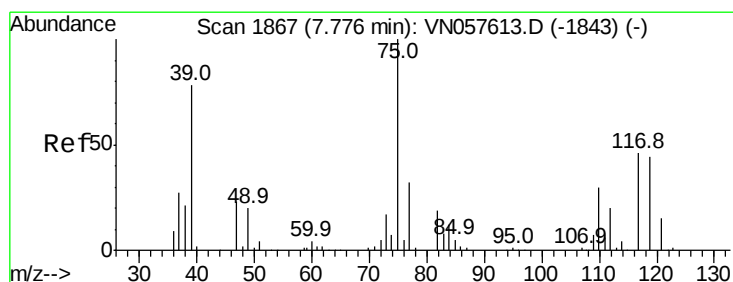
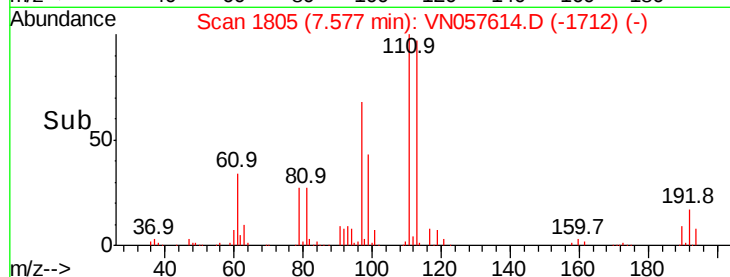
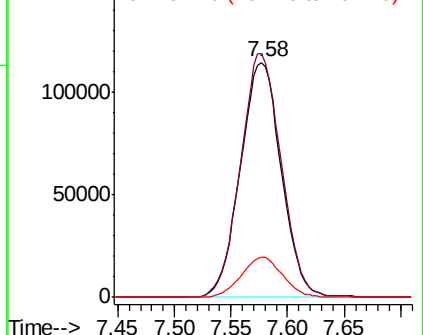
113 100

111 103.8 81.3 121.9

192 17.4 13.5 20.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 125.134 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

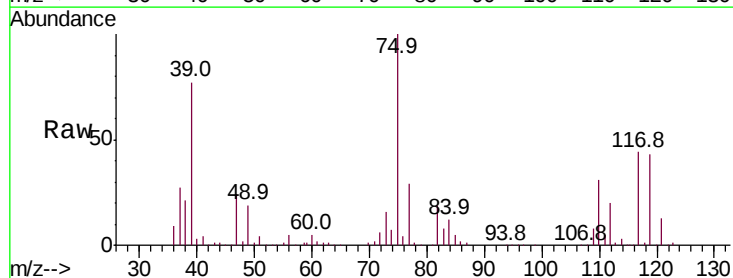
Tgt Ion: 75 Resp: 450437

Ion Ratio Lower Upper

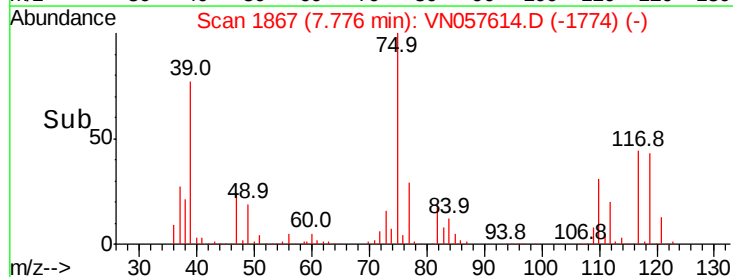
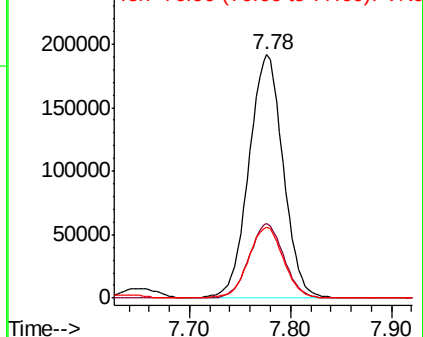
75 100

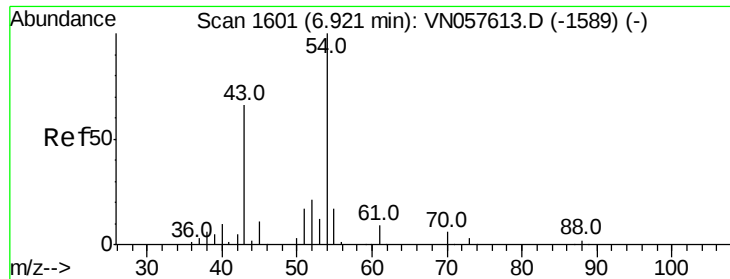
110 31.2 15.6 46.8

77 30.0 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO

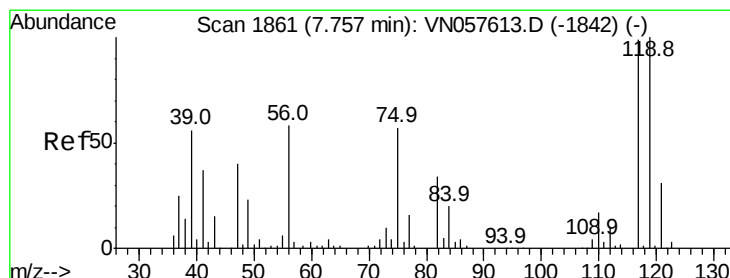
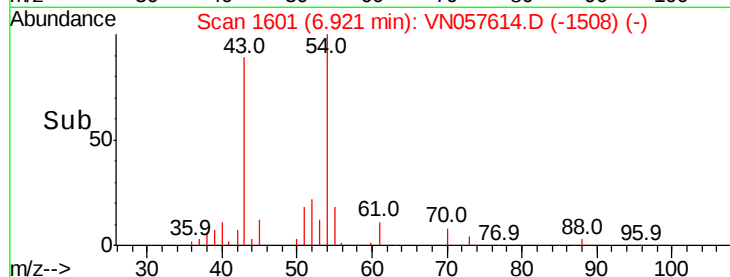
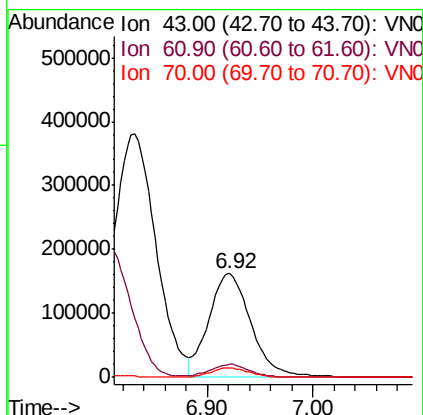
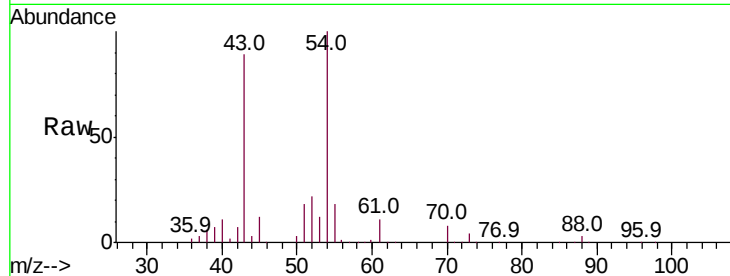




#37
Ethyl Acetate
Concen: 126.143 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

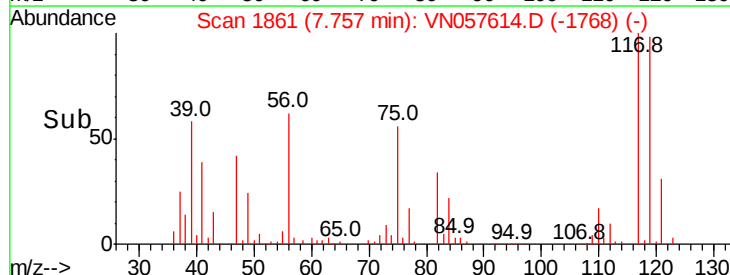
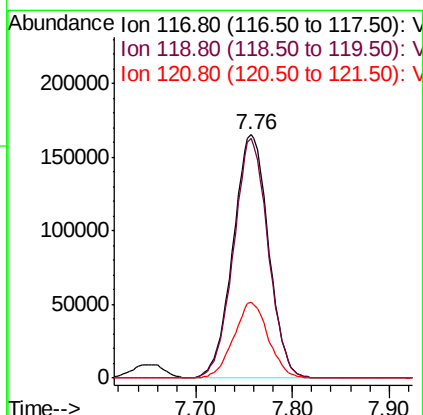
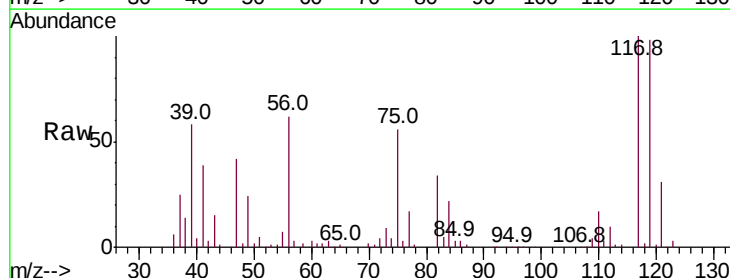
Instrument :
MSVOA_N
ClientSampled :

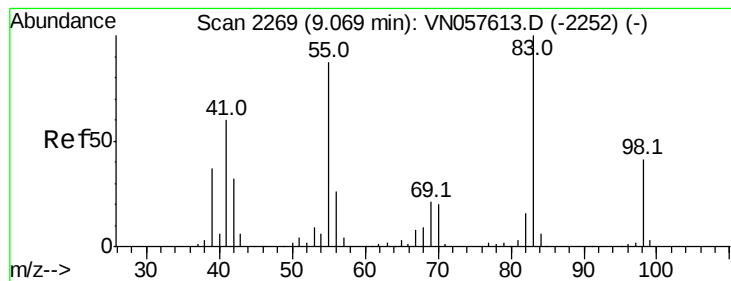
Tot Ion: 43 Resp: 445915
Ion Ratio Lower Upper
43 100
61 11.7 10.1 15.1
70 8.5 6.8 10.2



#38
Carbon Tetrachloride
Concen: 120.356 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 117 Resp: 420987
Ion Ratio Lower Upper
117 100
119 98.3 80.6 120.8
121 31.1 25.1 37.7





#39

Methvlcvclohexane

Concen: 125.758 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :

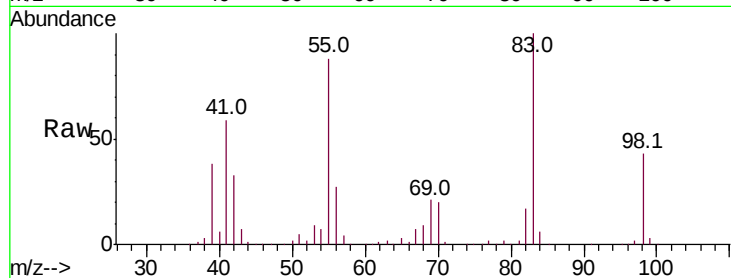
Tot Ion: 83 Resp: 536124

Ion Ratio Lower Upper

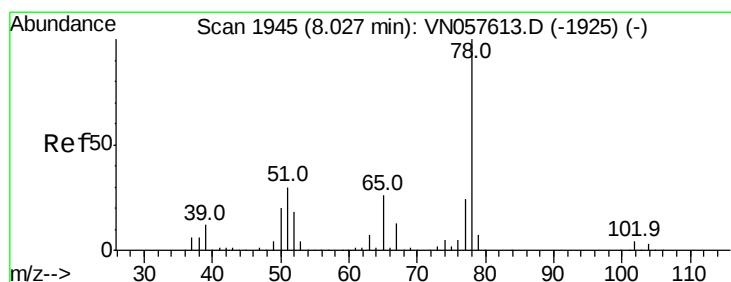
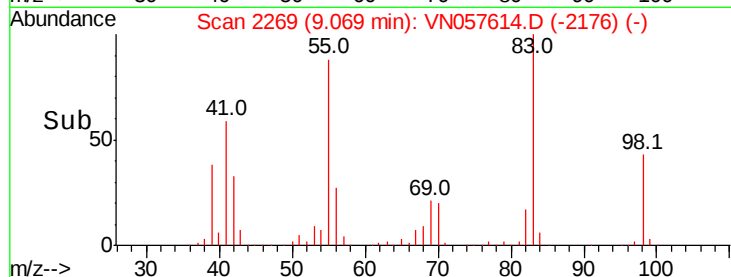
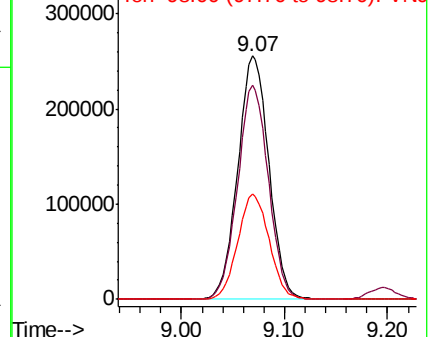
83 100

55 87.8 69.8 104.8

98 43.4 32.7 49.1



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 122.387 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN057614.D

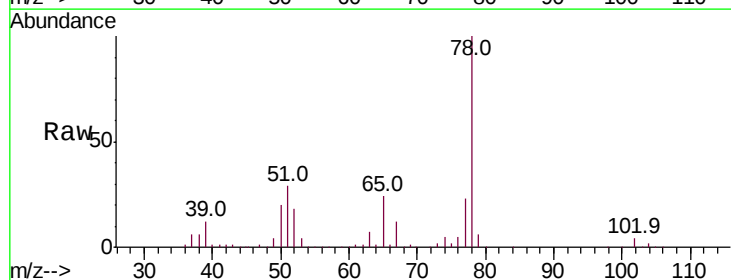
Acq: 31 Aug 2019 14:26

Tgt Ion: 78 Resp: 1312912

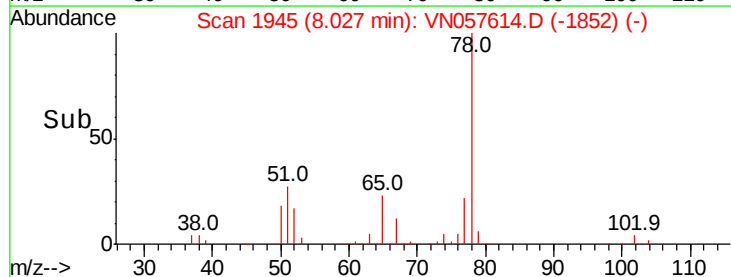
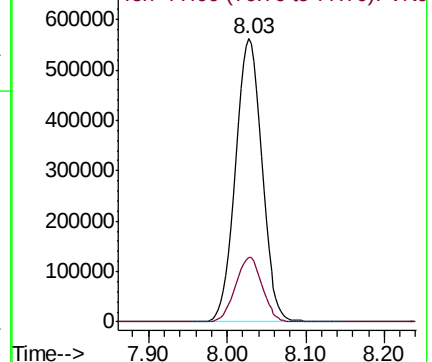
Ion Ratio Lower Upper

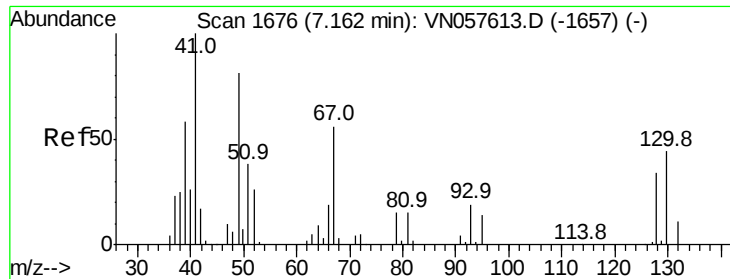
78 100

77 22.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 139.627 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 239561

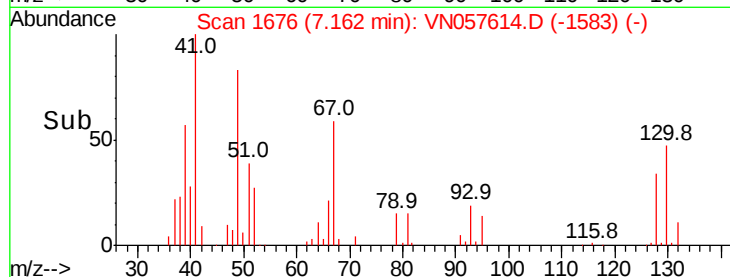
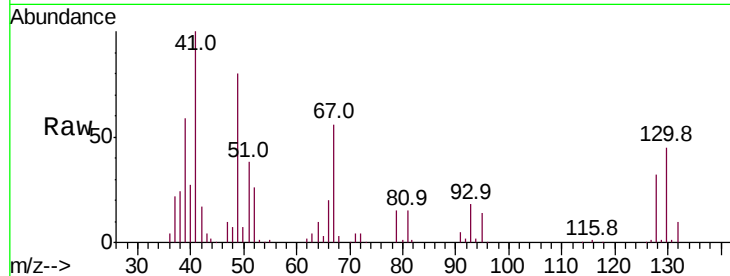
Ion Ratio Lower Upper

41 100

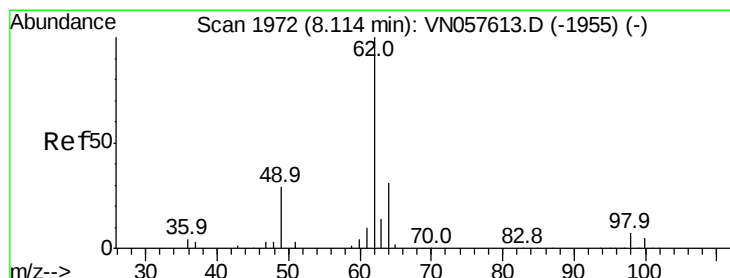
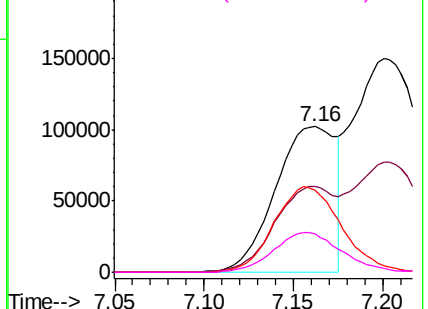
39 58.5 50.6 75.8

67 66.0 56.9 85.3

52 31.2 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 130.376 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN057614.D

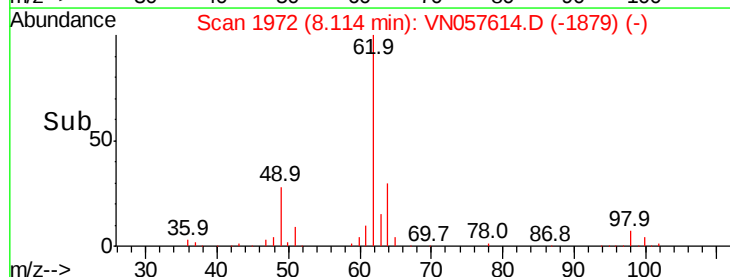
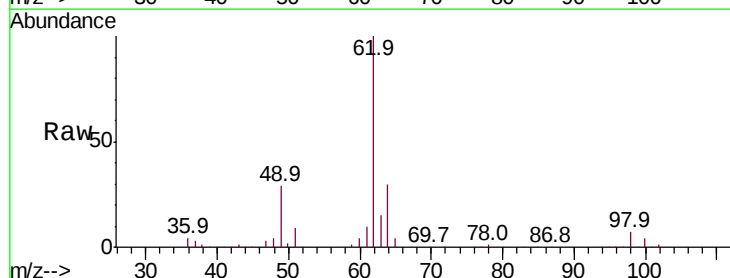
Acq: 31 Aug 2019 14:26

Tgt Ion: 62 Resp: 546398

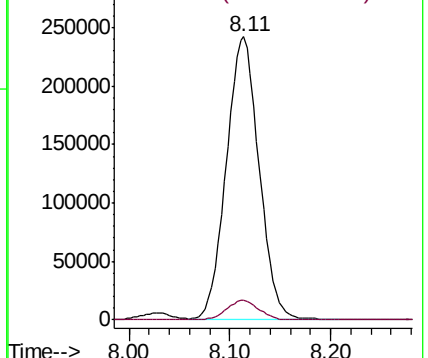
Ion Ratio Lower Upper

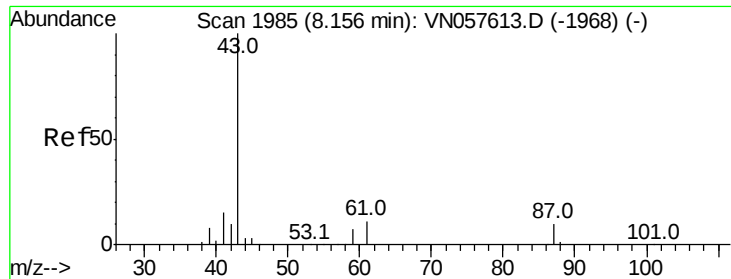
62 100

98 6.8 0.0 14.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 124.974 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

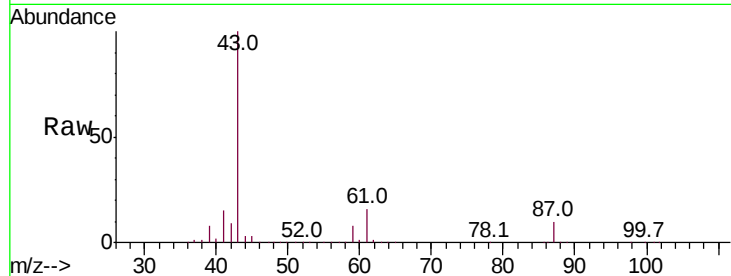
Tot Ion: 43 Resp: 808913

Ion Ratio Lower Upper

43 100

61 16.5 13.1 19.7

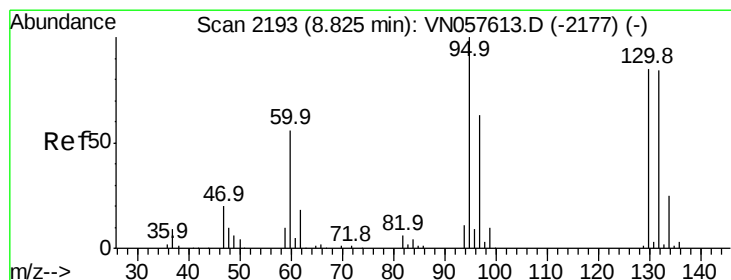
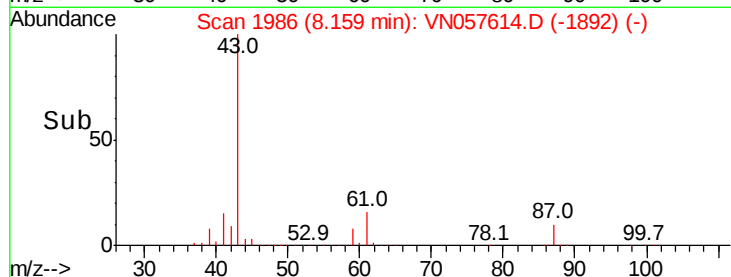
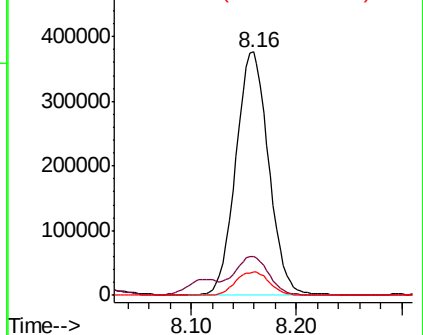
87 10.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN057613.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057613.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057613.D (-1968) (-)



#44

Trichloroethene

Concen: 123.228 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057614.D

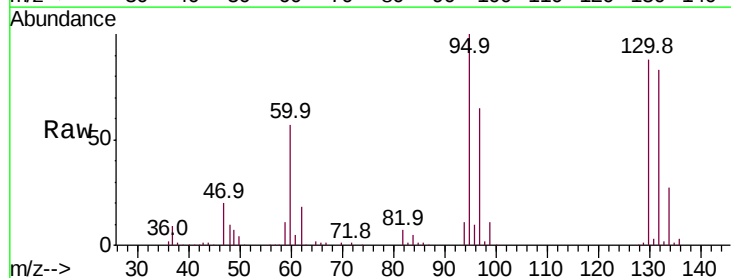
Acq: 31 Aug 2019 14:26

Tgt Ion:130 Resp: 293980

Ion Ratio Lower Upper

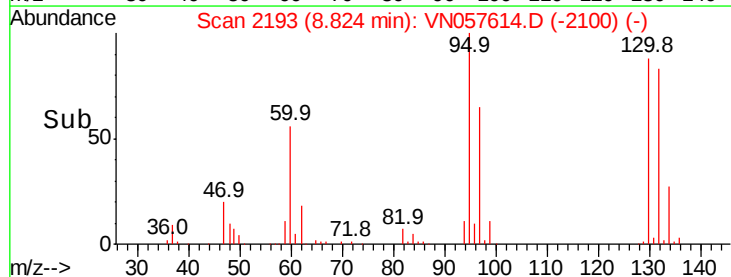
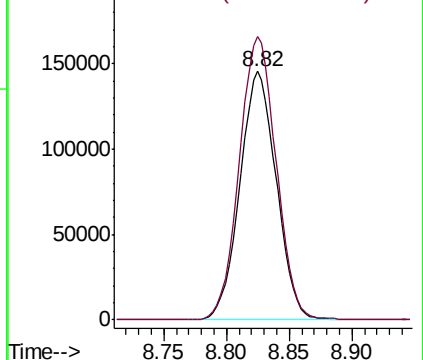
130 100

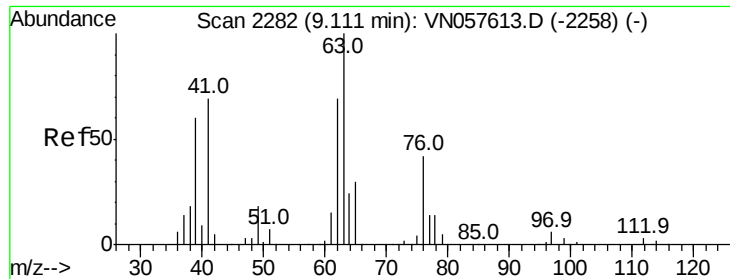
95 113.9 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): VN057613.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057613.D (-2177) (-)





#45

1,2-Dichloropropane

Concen: 119.437 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

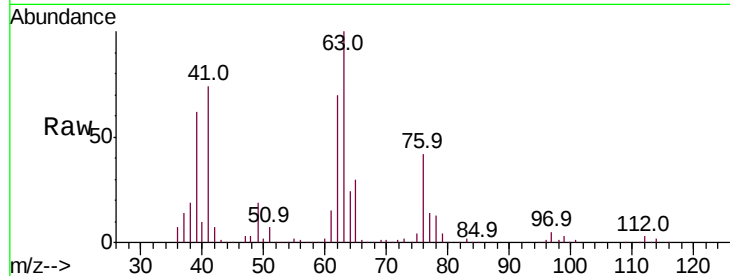
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 360699

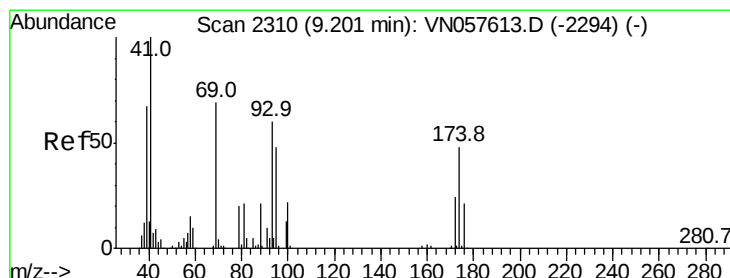
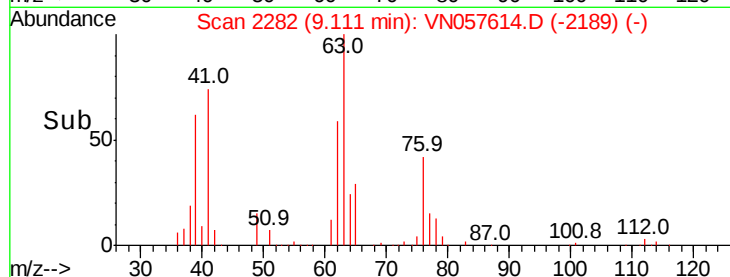
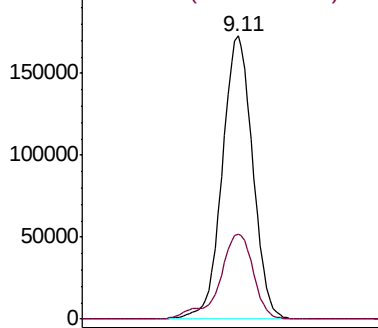
Ion Ratio Lower Upper

63 100

65 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 119.711 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

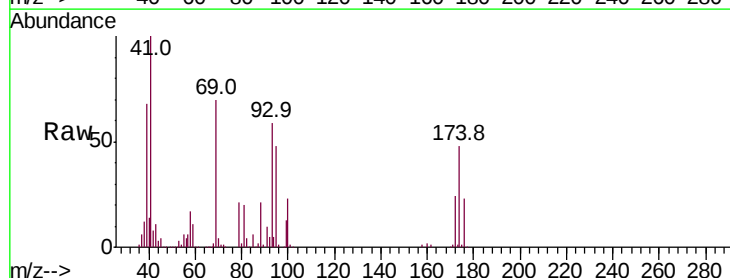
Tgt Ion: 93 Resp: 229545

Ion Ratio Lower Upper

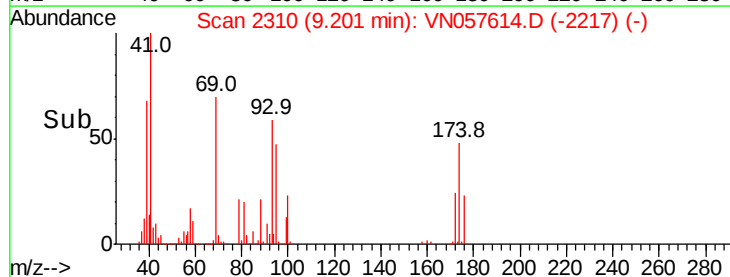
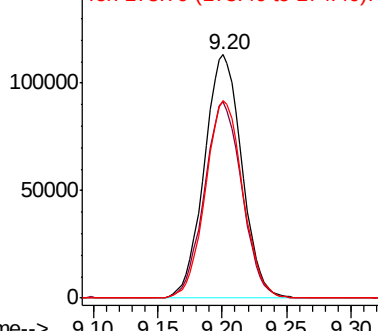
93 100

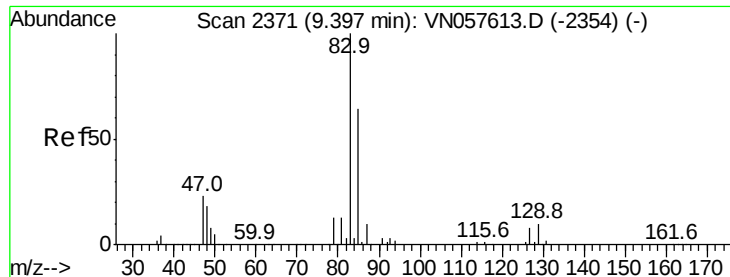
95 80.7 65.8 98.6

174 80.4 64.2 96.2



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 123.808 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampleId :

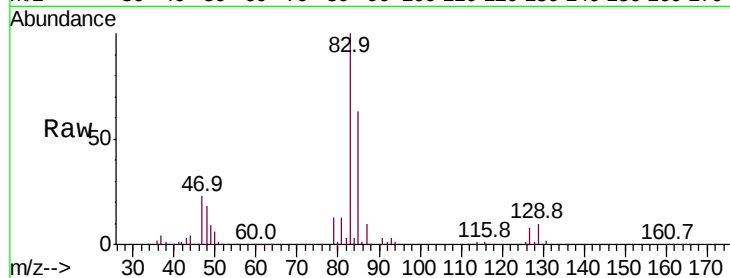
Tot Ion: 83 Resp: 492059

Ion Ratio Lower Upper

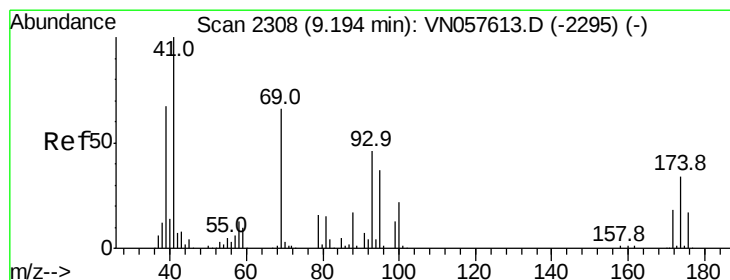
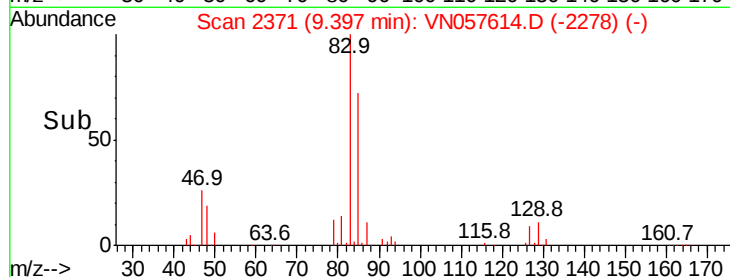
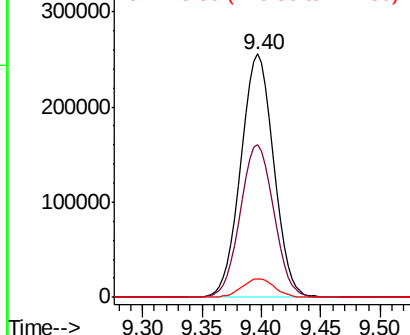
83 100

85 62.6 51.4 77.0

127 7.6 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 130.413 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

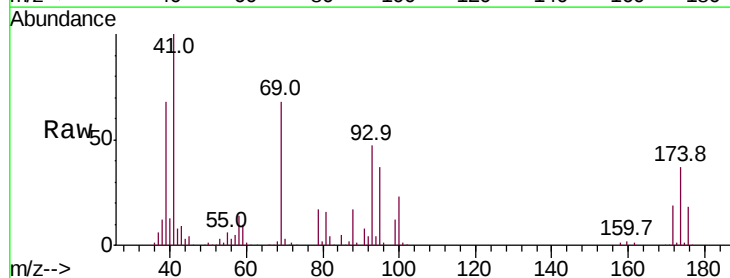
Tgt Ion: 41 Resp: 405811

Ion Ratio Lower Upper

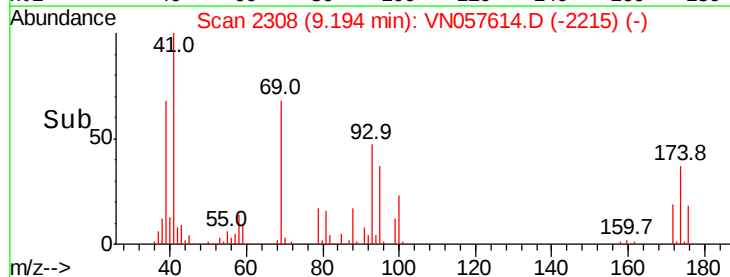
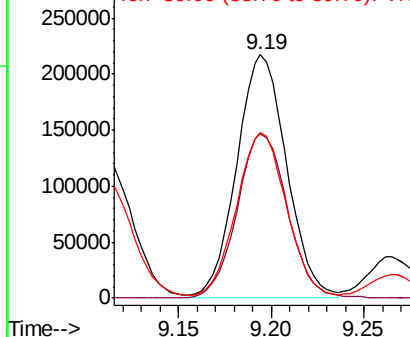
41 100

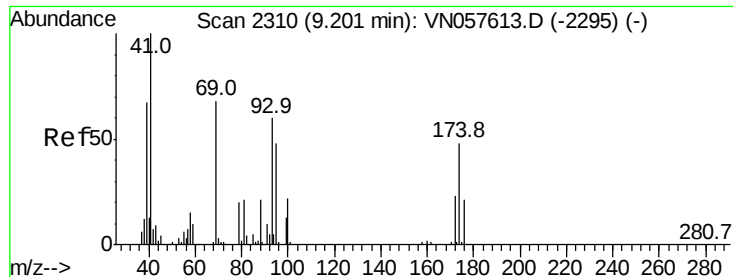
69 68.7 55.1 82.7

39 68.6 55.4 83.2



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 2479.210 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

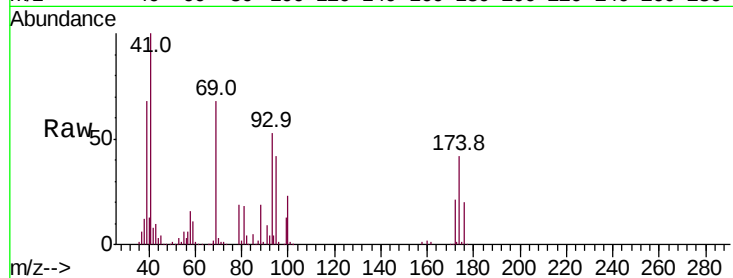
Tot Ion: 88 Resp: 97270

Ion Ratio Lower Upper

88 100

43 43.2 35.0 52.4

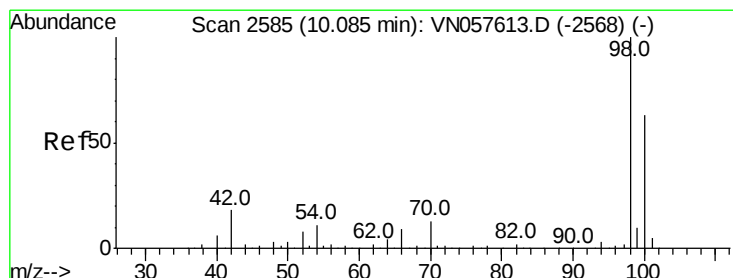
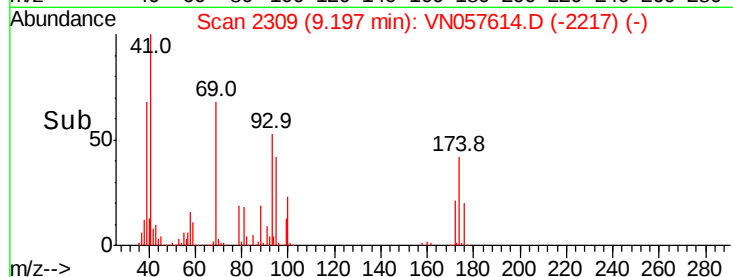
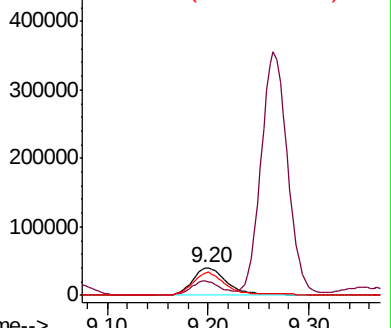
58 75.9 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN057613.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN057613.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN057613.D (-2295) (-)



#50

Toluene-d8

Concen: 125.641 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057614.D

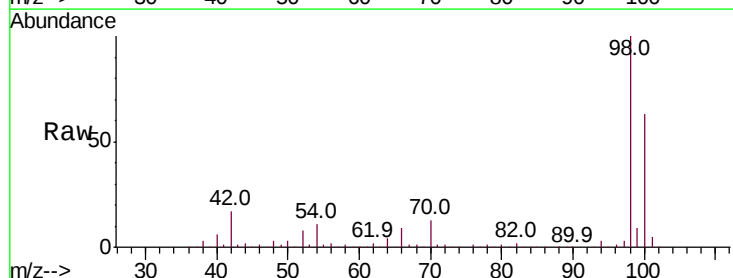
Acq: 31 Aug 2019 14:26

Tgt Ion: 98 Resp: 1131545

Ion Ratio Lower Upper

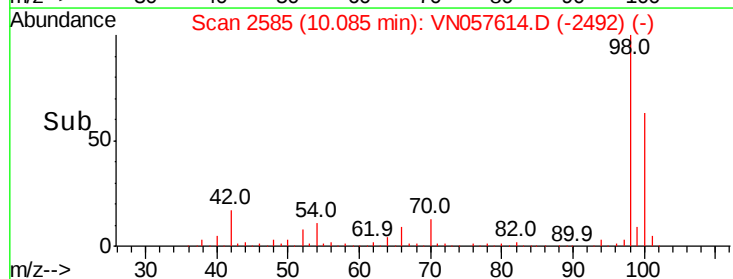
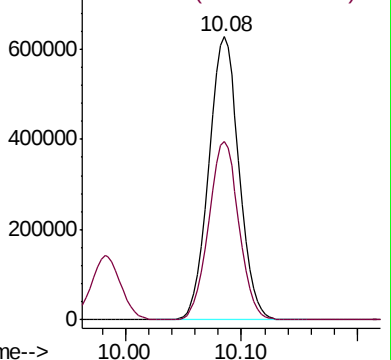
98 100

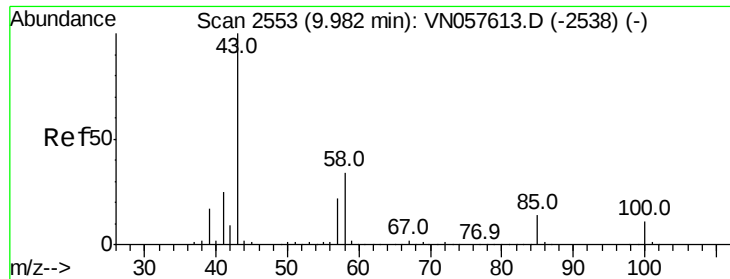
100 63.1 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN057613.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN057613.D (-2568) (-)





#51

4-Methyl-2-Pentanone

Concen: 633.845 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

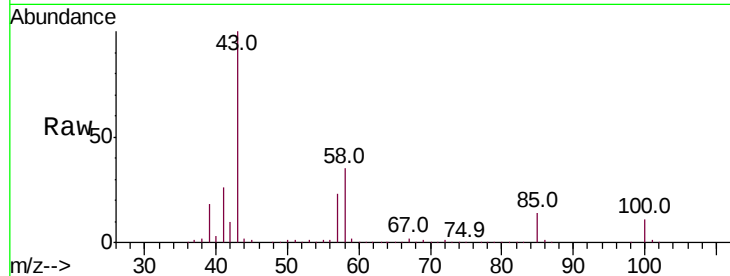
ClientSampled :

Tot Ion: 43 Resp: 2310302

Ion Ratio Lower Upper

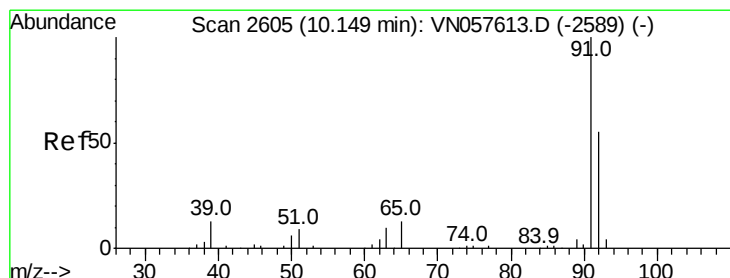
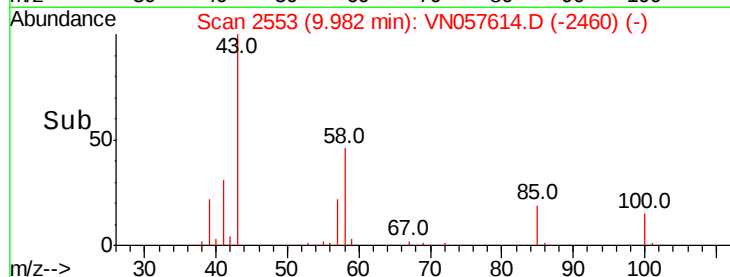
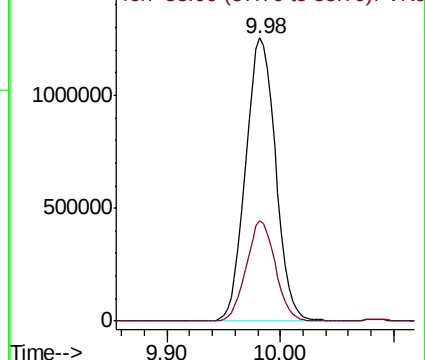
43 100

58 34.4 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VN057613.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN057613.D (-2538) (-)



#52

Toluene

Concen: 127.484 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057614.D

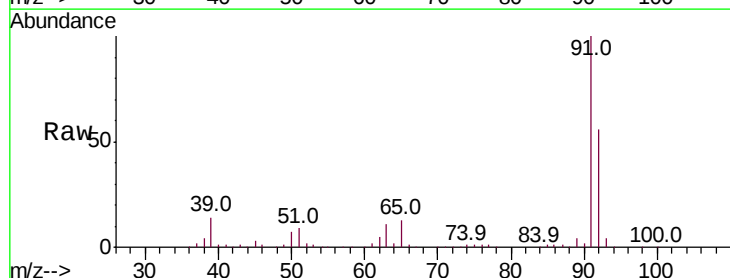
Acq: 31 Aug 2019 14:26

Tgt Ion: 92 Resp: 792265

Ion Ratio Lower Upper

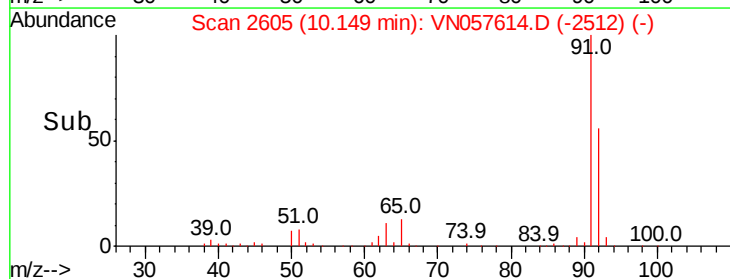
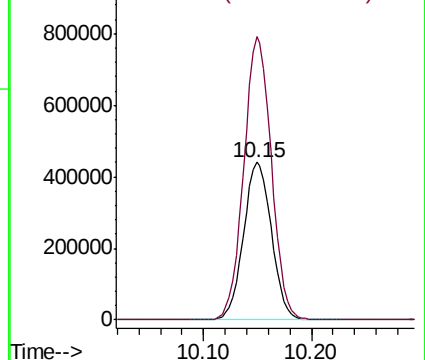
92 100

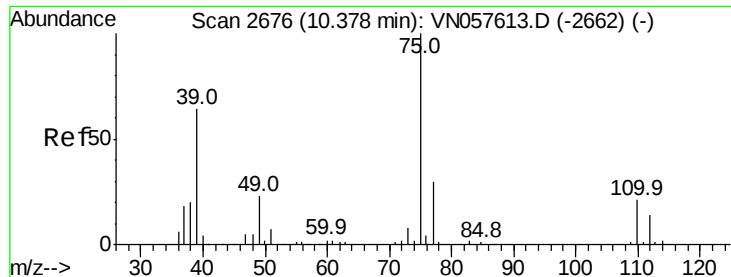
91 177.6 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN057613.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN057613.D (-2589) (-)

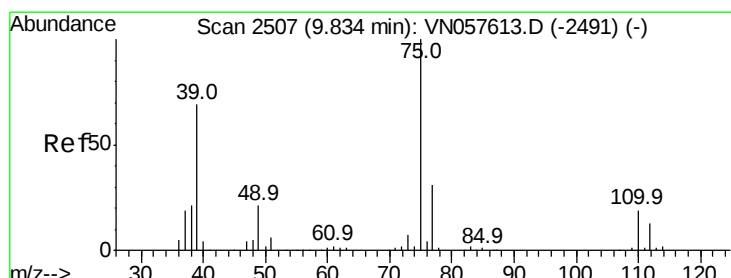
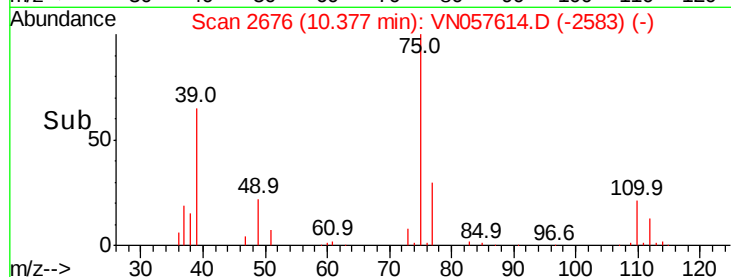
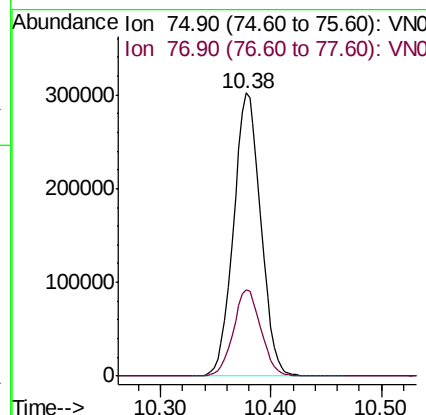
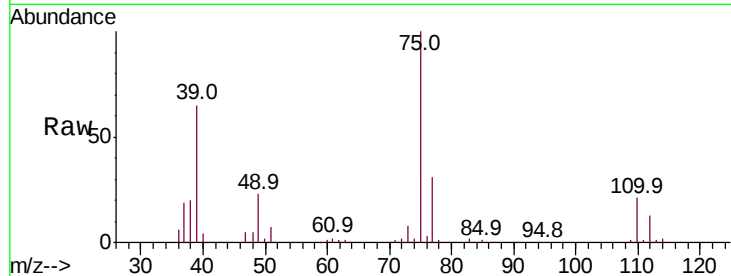




#53
 t-1,3-Dichloropropene
 Concen: 125.038 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

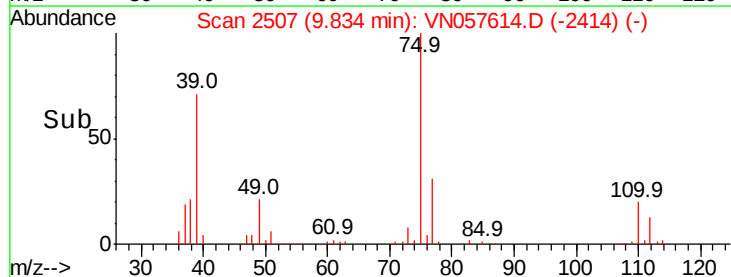
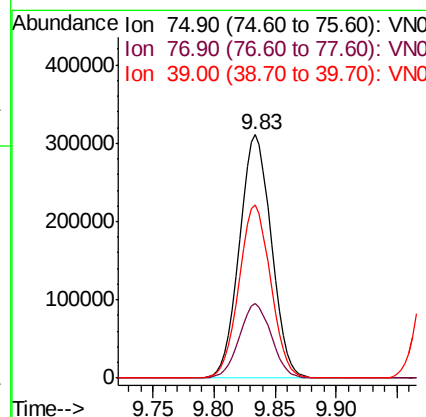
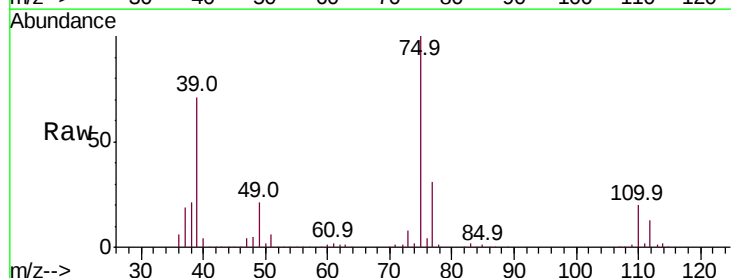
Instrument :
 MSVOA_N
 ClientSampleId :

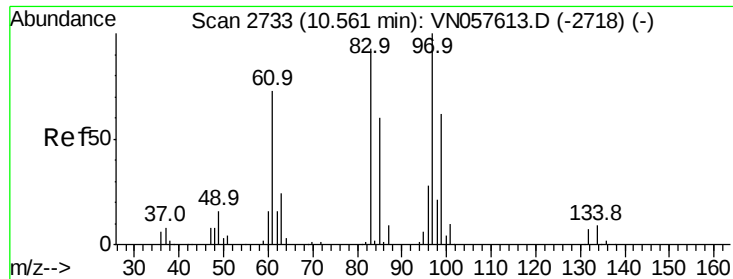
Tot Ion: 75 Resp: 517900
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 121.864 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion: 75 Resp: 563181
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.8 37.2
 39 71.1 55.0 82.4

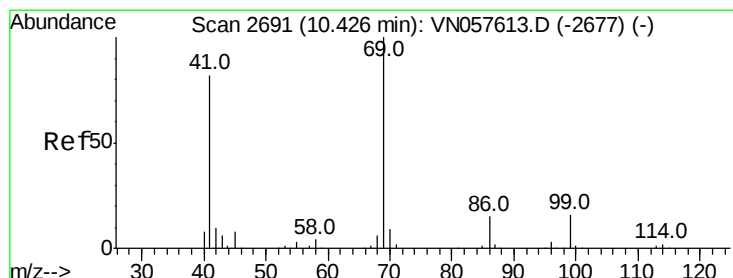
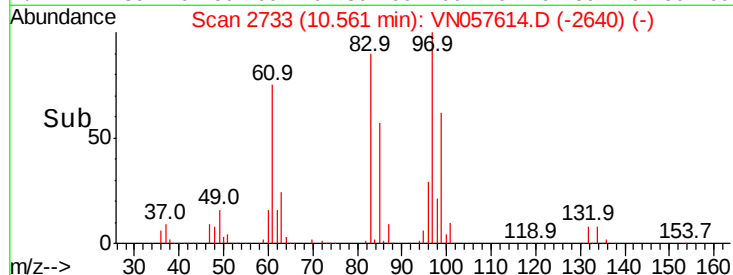
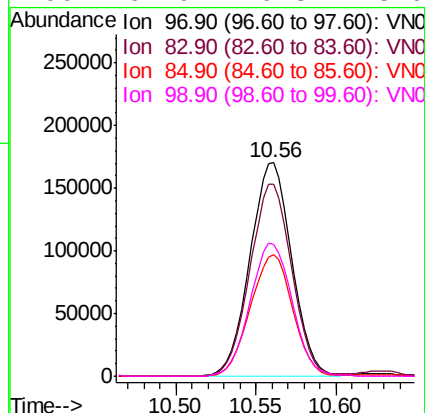
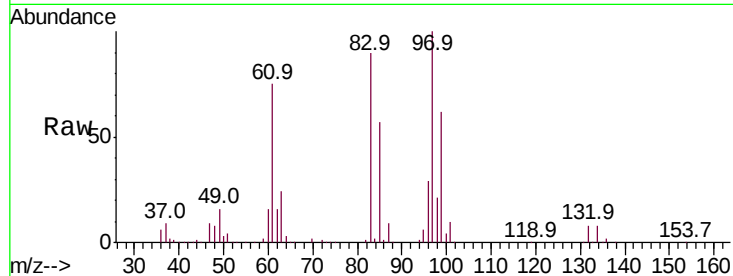




#55
 1,1,2-Trichloroethane
 Concen: 122.111 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

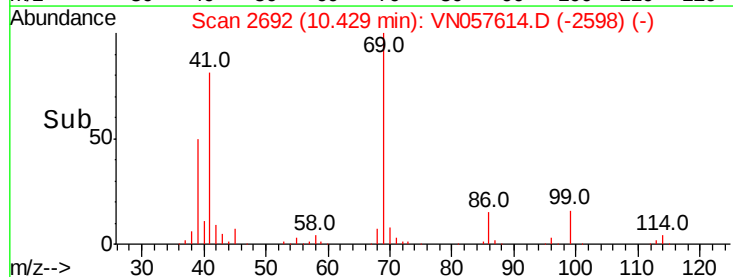
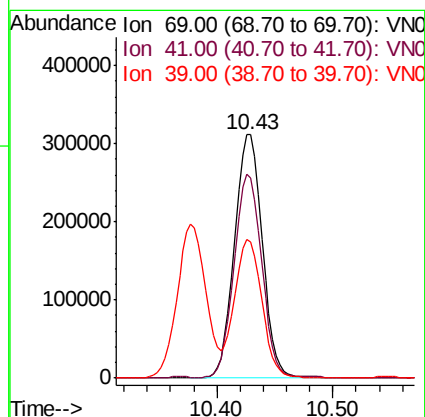
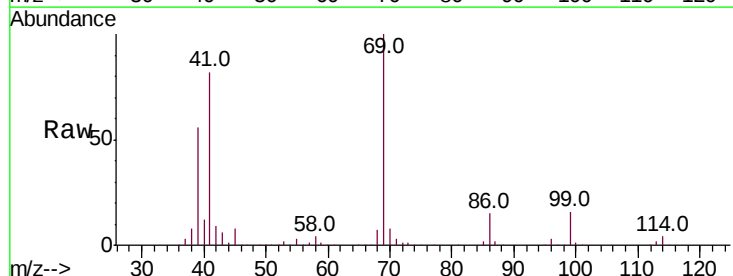
Instrument :
 MSVOA_N
 ClientSampled :

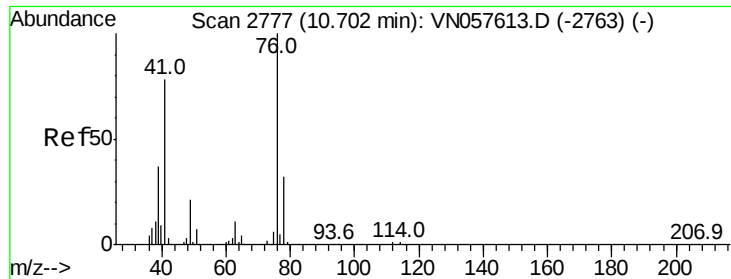
Tot Ion: 97 Resp: 304638
 Ion Ratio Lower Upper
 97 100
 83 90.2 74.2 111.2
 85 57.2 47.8 71.8
 99 61.9 49.3 73.9



#56
 Ethyl methacrylate
 Concen: 131.182 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion: 69 Resp: 516760
 Ion Ratio Lower Upper
 69 100
 41 82.4 65.8 98.6
 39 56.0 43.8 65.8





#57

1,3-Dichloropropane

Concen: 126.575 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

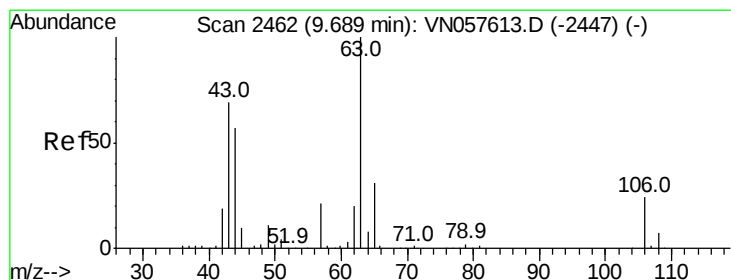
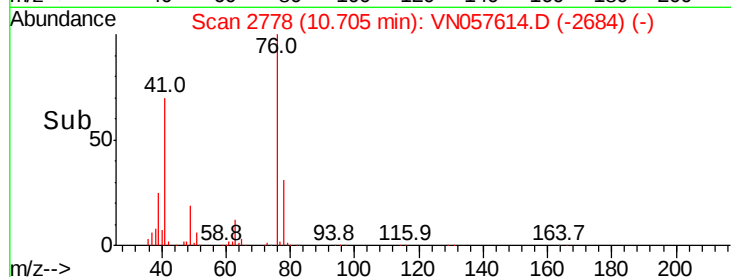
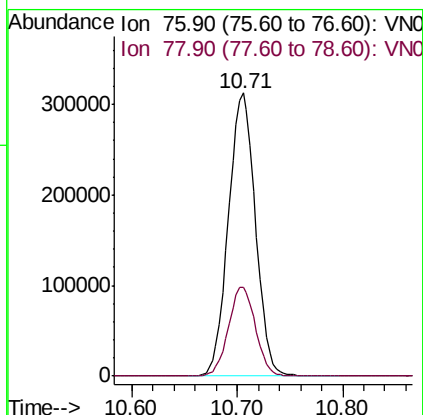
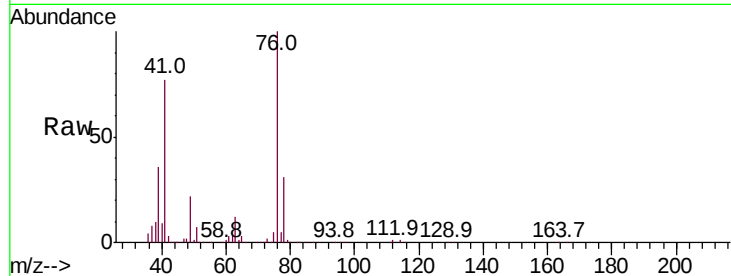
ClientSampleId :

Tot Ion: 76 Resp: 552944

Ion Ratio Lower Upper

76 100

78 31.5 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 842.769 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057614.D

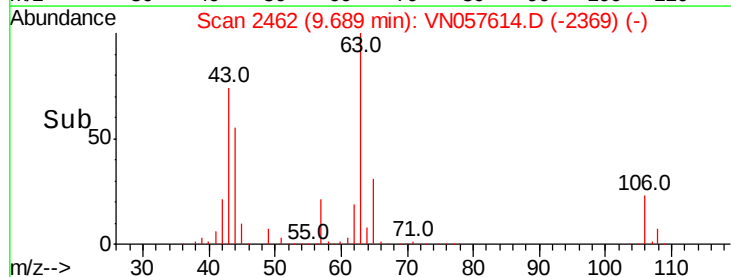
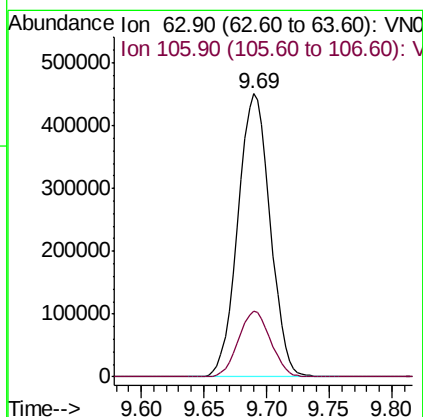
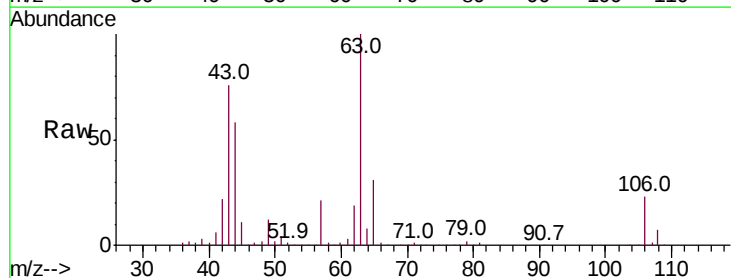
Acq: 31 Aug 2019 14:26

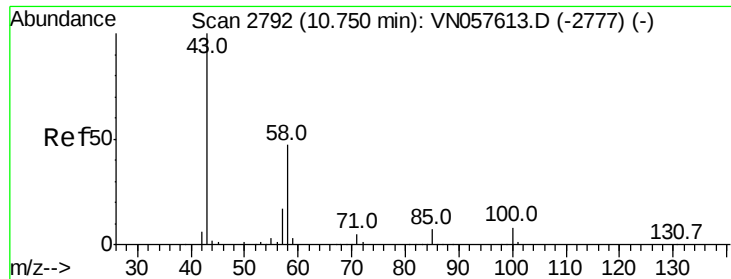
Tgt Ion: 63 Resp: 805878

Ion Ratio Lower Upper

63 100

106 23.1 18.3 27.5

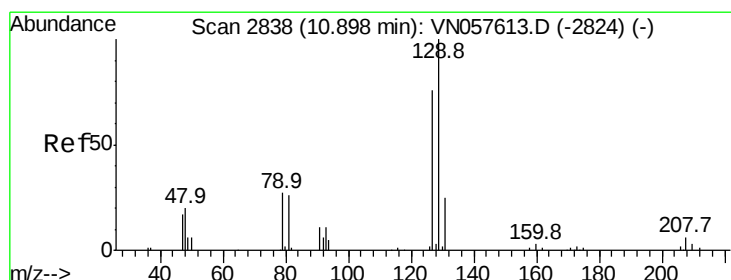
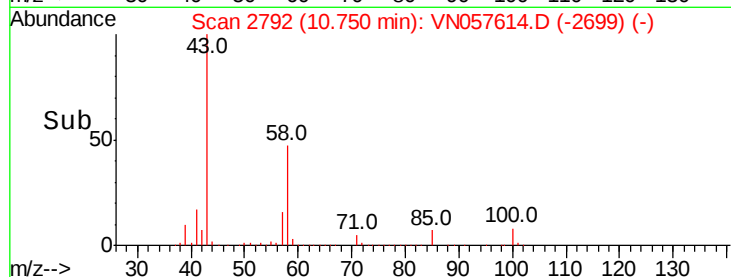
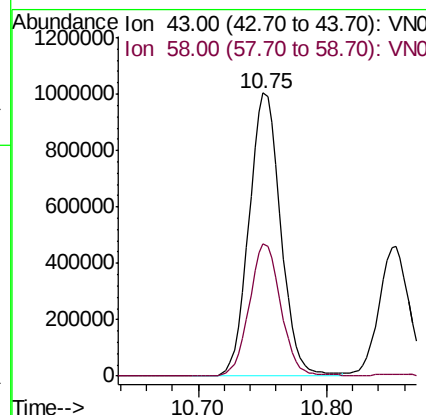
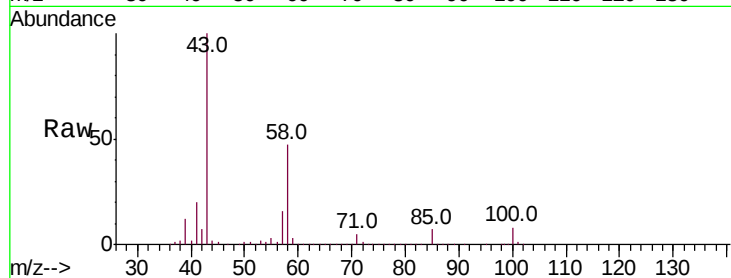




#59
2-Hexanone
Concen: 684.470 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

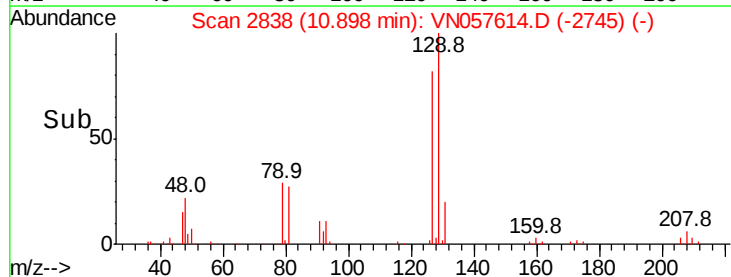
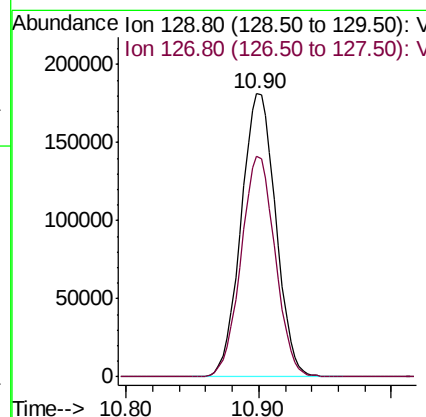
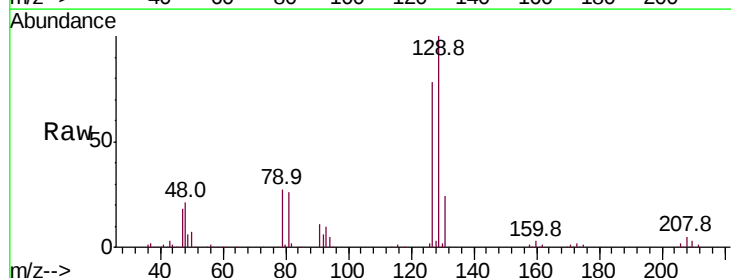
Instrument :
MSVOA_N
ClientSampled :

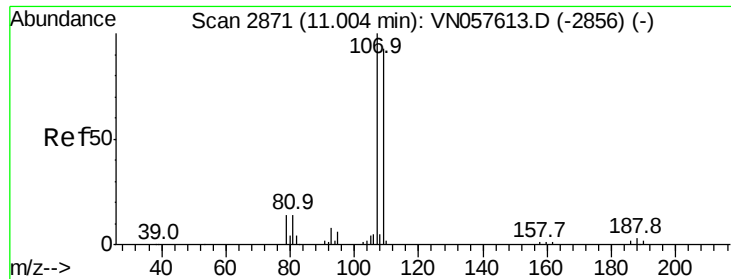
Tot Ion: 43 Resp: 1720727
Ion Ratio Lower Upper
43 100
58 46.6 23.5 70.5



#60
Dibromochloromethane
Concen: 126.722 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion:129 Resp: 329602
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8

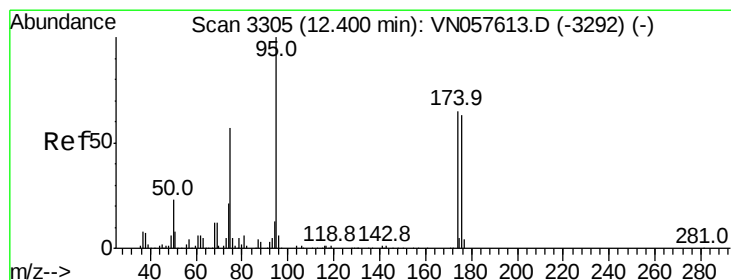
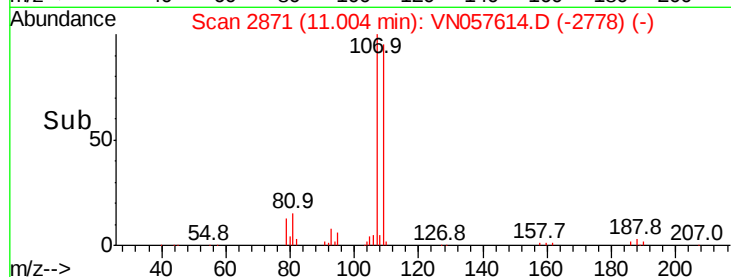
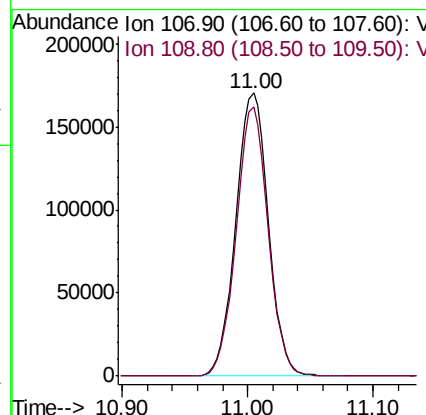
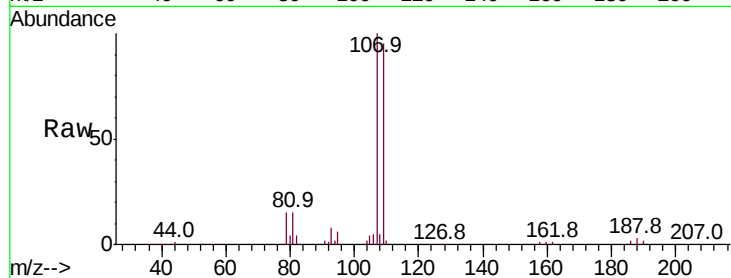




#61
 1,2-Dibromoethane
 Concen: 125.912 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

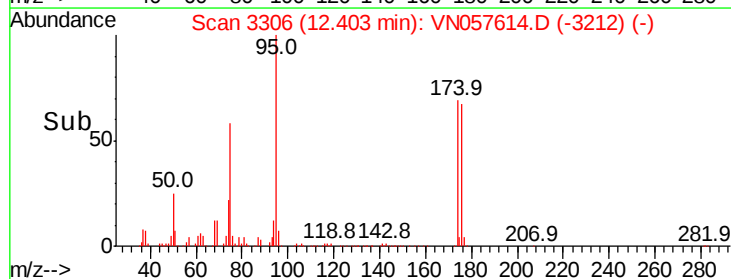
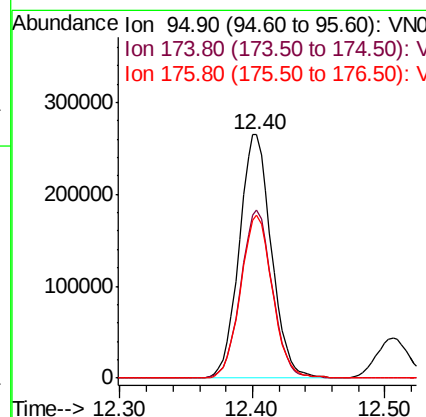
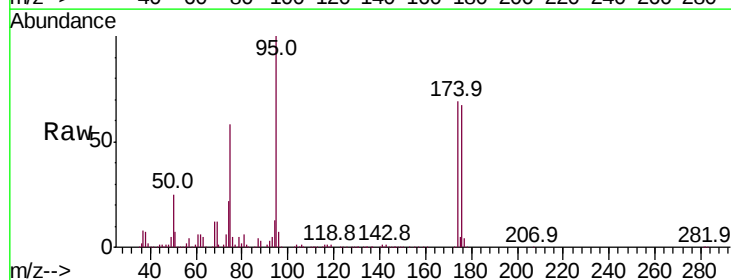
Instrument :
 MSVOA_N
 ClientSampleId :

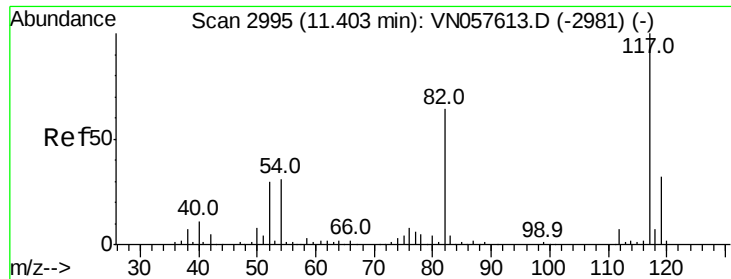
Tot Ion:107 Resp: 307308
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 143.479 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion: 95 Resp: 446214
 Ion Ratio Lower Upper
 95 100
 174 67.8 0.0 134.8
 176 66.5 0.0 131.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

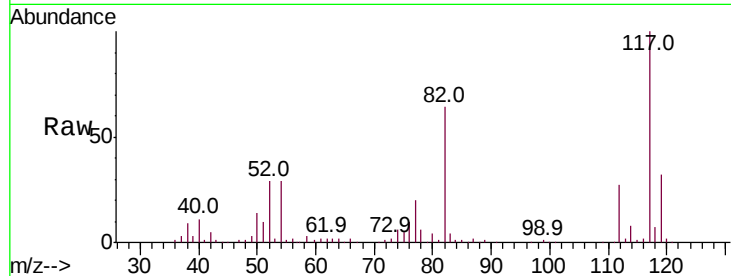
Tot Ion:117 Resp: 305200

Ion Ratio Lower Upper

117 100

82 63.6 51.6 77.4

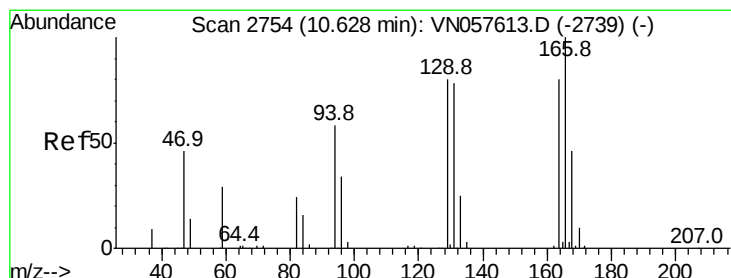
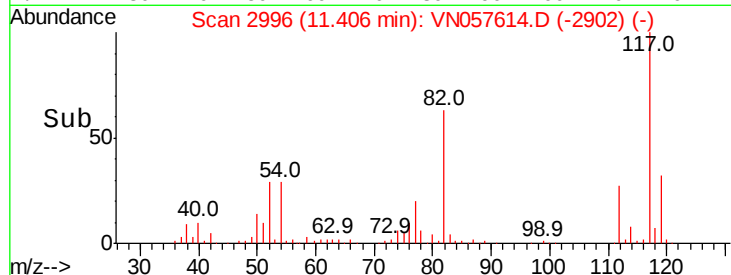
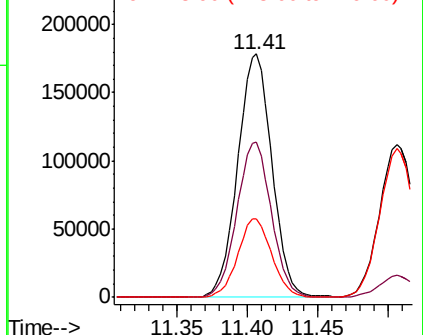
119 32.0 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 117.269 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion:164 Resp: 265361

Ion Ratio Lower Upper

164 100

166 130.7 100.6 151.0

129 104.4 80.4 120.6

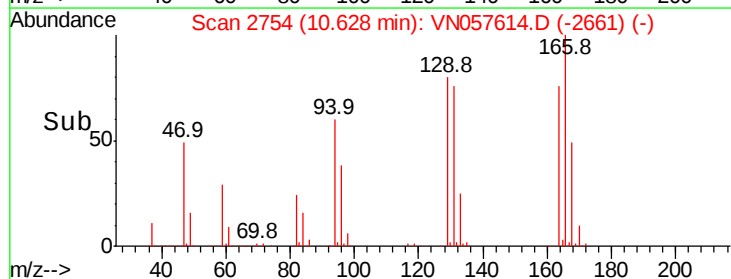
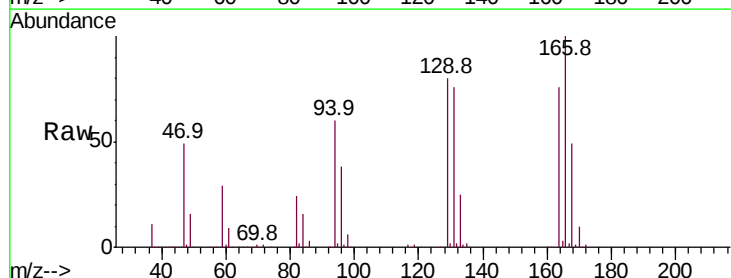
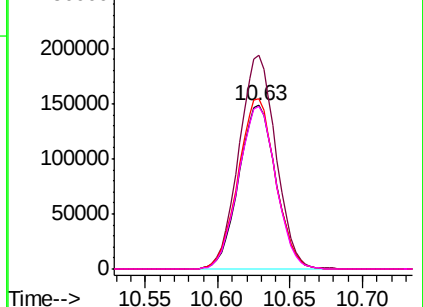
131 99.2 78.6 118.0

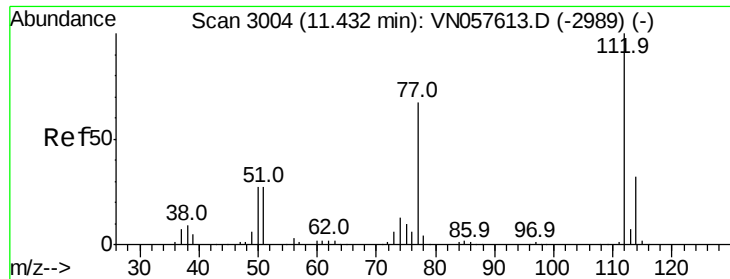
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

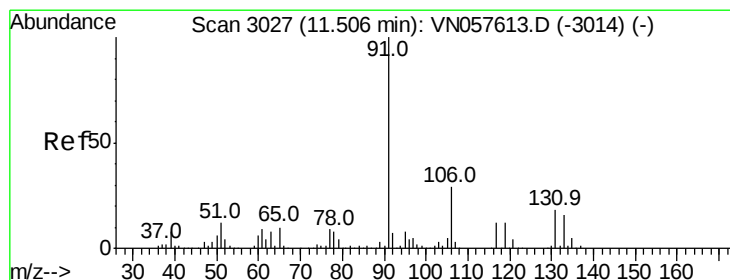
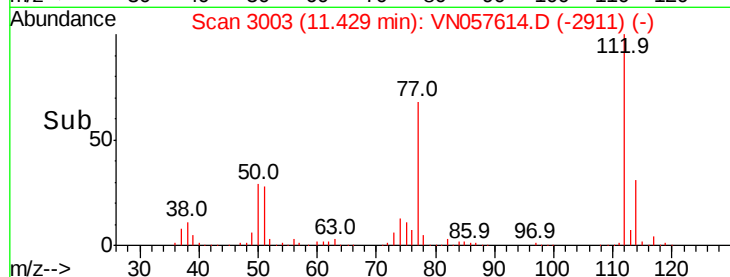
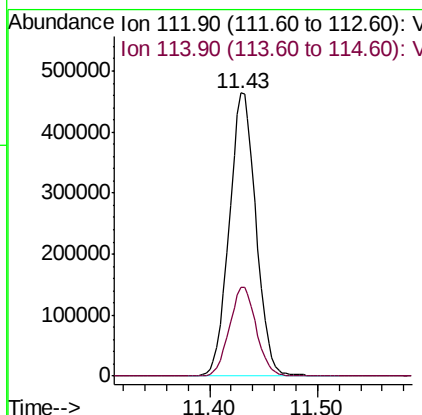
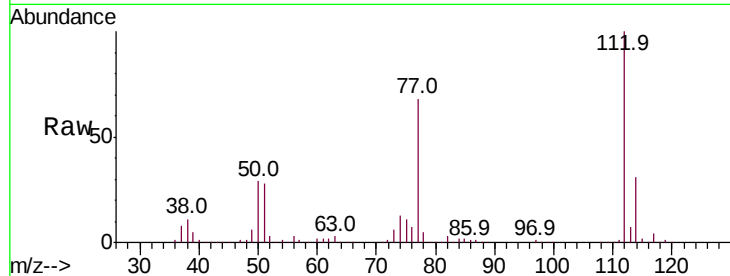




#65
Chlorobenzene
Concen: 123.039 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

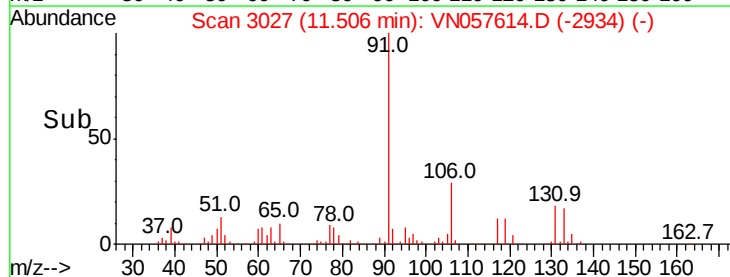
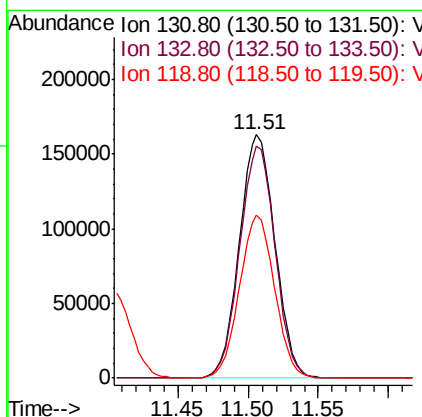
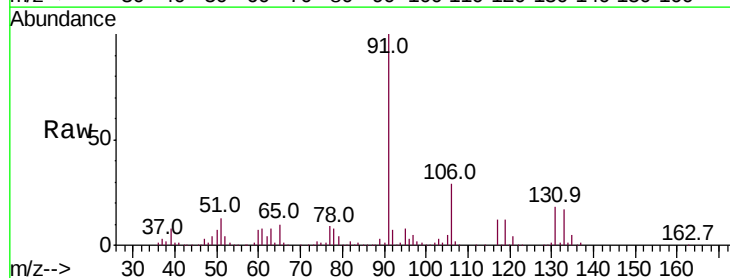
Instrument :
MSVOA_N
ClientSampled :

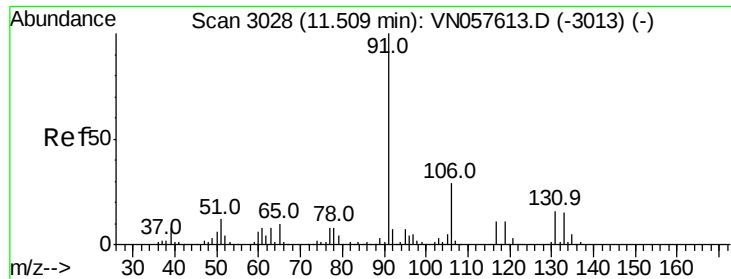
Tot Ion:112 Resp: 802620
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 117.498 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion:131 Resp: 288245
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.4
119 66.3 33.9 101.6

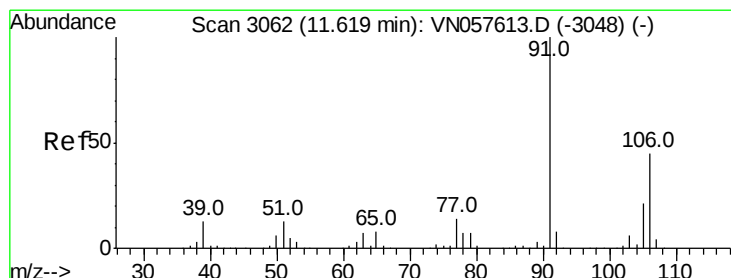
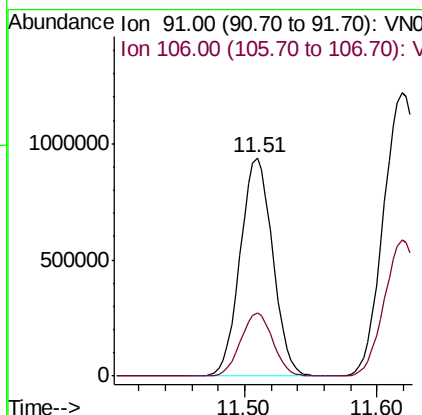
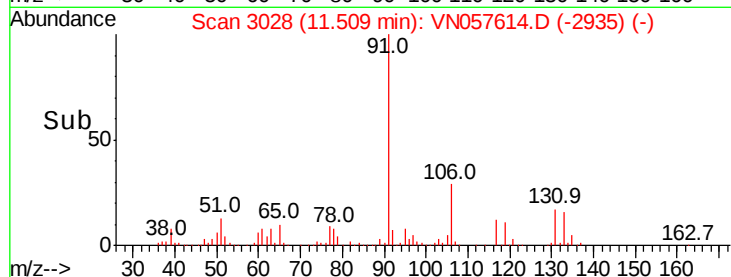
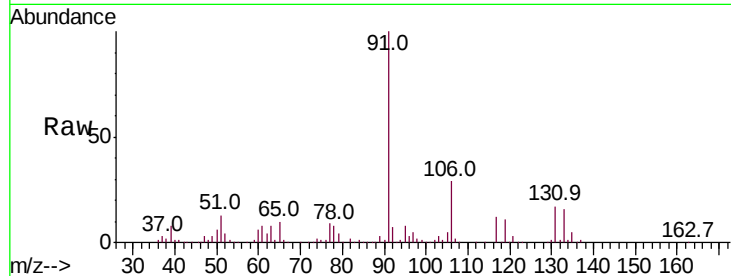




#67
Ethyl Benzene
Concen: 126.370 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

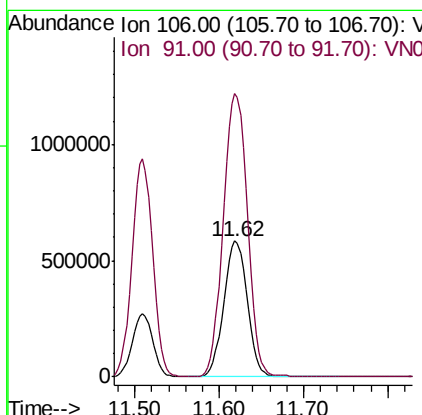
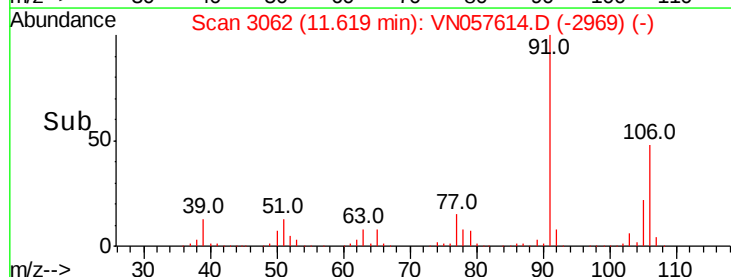
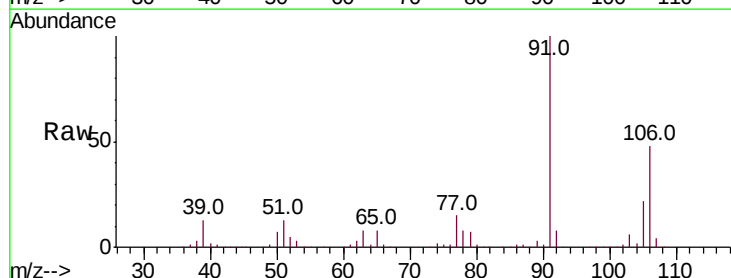
Instrument :
MSVOA_N
ClientSampled :

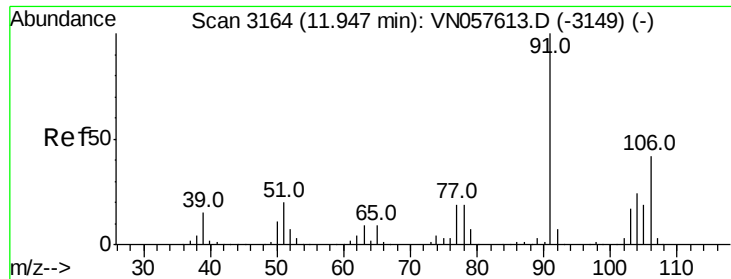
Tot Ion: 91 Resp: 1598128
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3



#68
m/p-Xylenes
Concen: 262.708 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion:106 Resp: 1129463
Ion Ratio Lower Upper
106 100
91 215.5 176.2 264.2

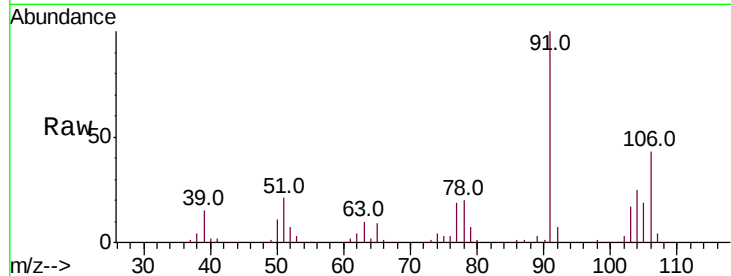




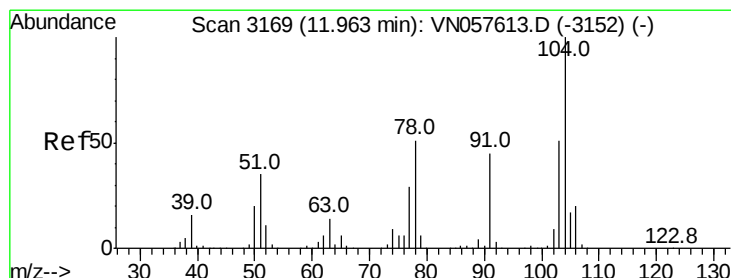
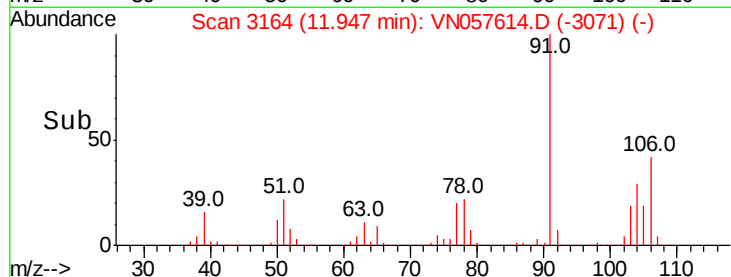
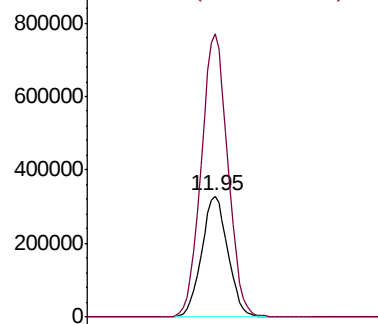
#69
o-Xylene
Concen: 128.122 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 543541
Ion Ratio Lower Upper
106 100
91 236.9 117.3 351.8

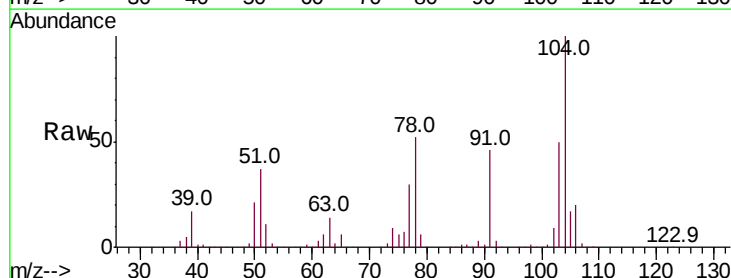


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

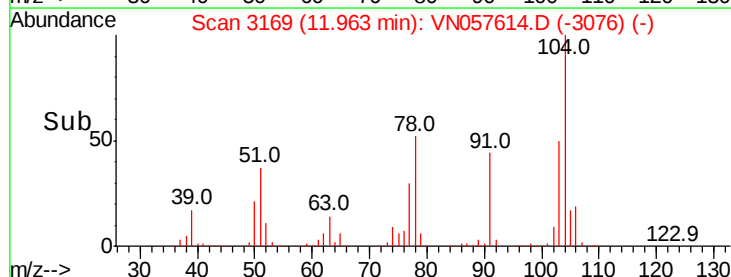
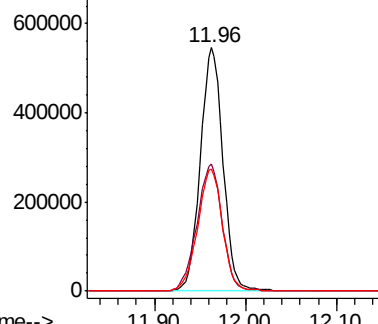


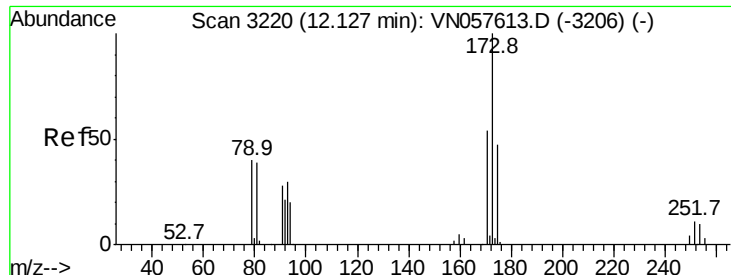
#70
Styrene
Concen: 139.573 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion:104 Resp: 944912
Ion Ratio Lower Upper
104 100
78 58.4 46.6 70.0
103 54.9 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 127.894 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

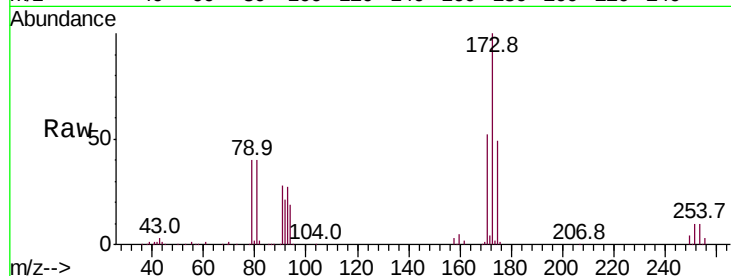
Tot Ion:173 Resp: 209717

Ion Ratio Lower Upper

173 100

175 48.6 24.4 73.4

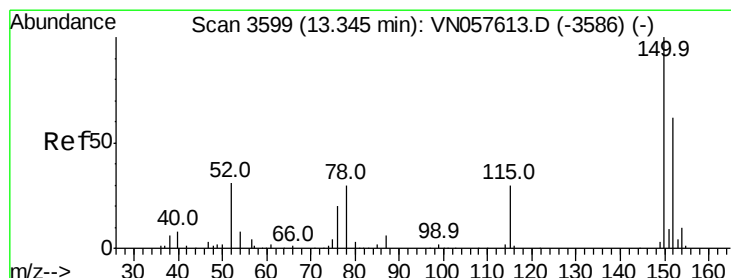
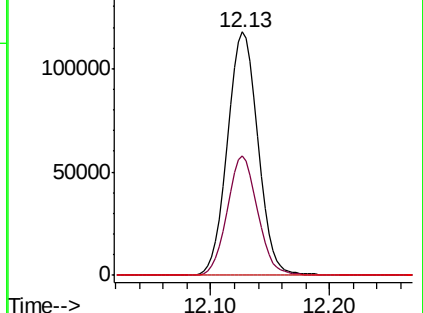
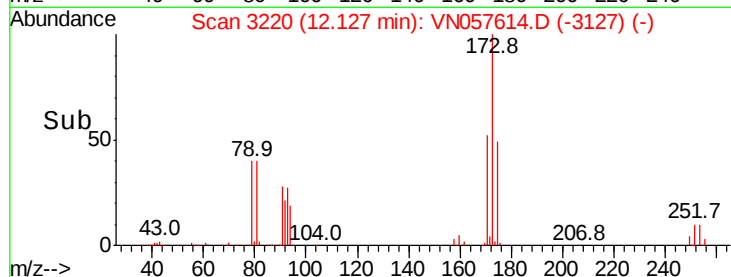
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

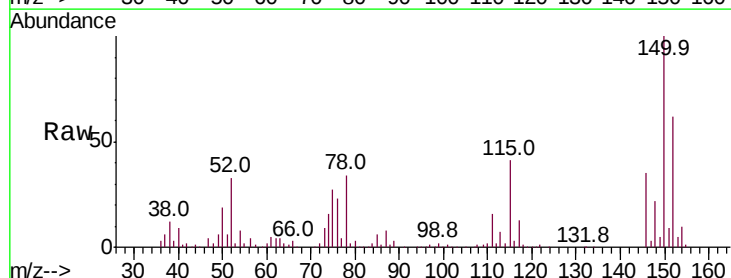
Tgt Ion:152 Resp: 163841

Ion Ratio Lower Upper

152 100

115 66.4 33.2 99.6

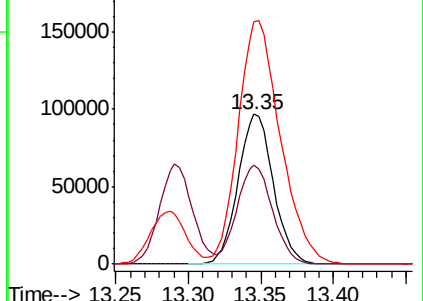
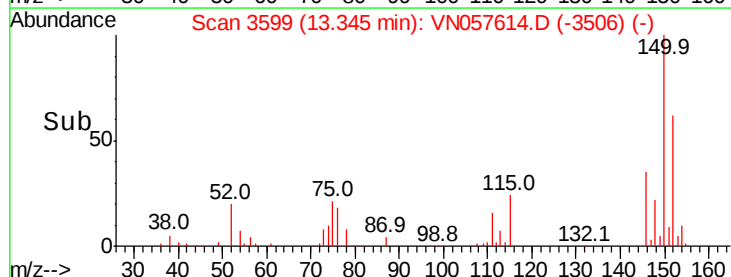
150 194.3 0.0 365.2

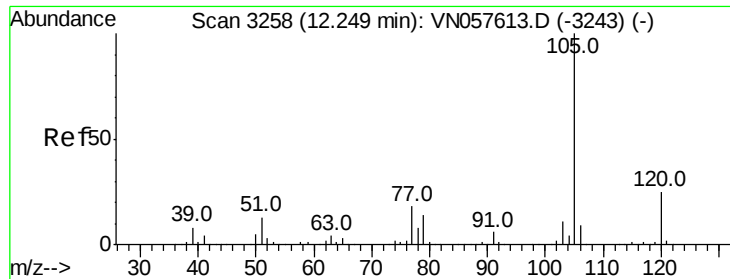


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 81.057 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

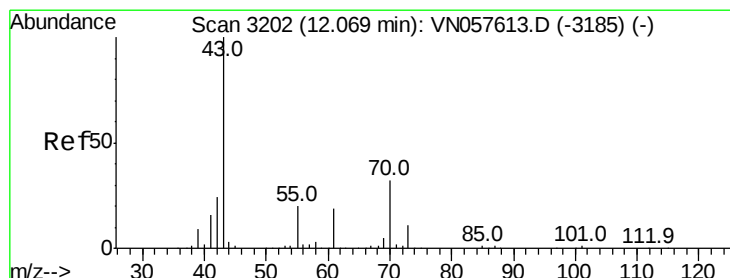
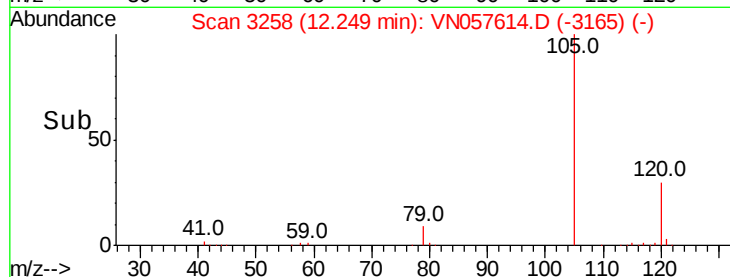
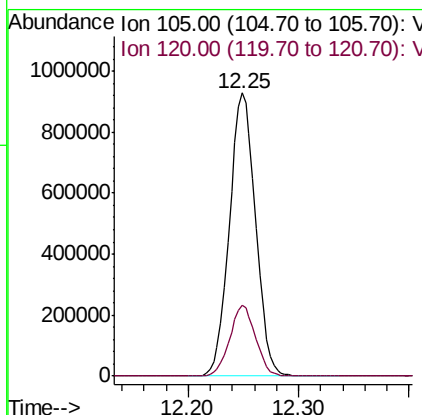
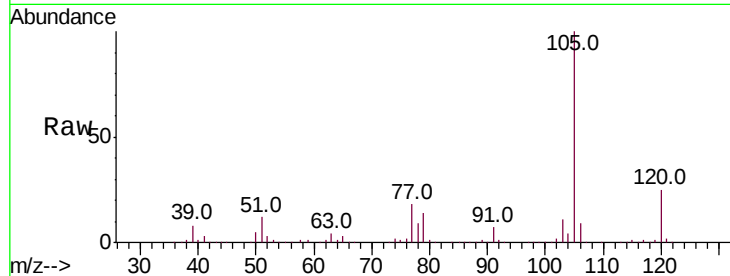
Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:105 Resp: 1521506

Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.7	38.1



#74

N-ethyl acetate

Concen: 85.769 ug/l

RT: 12.07 min Scan# 3202

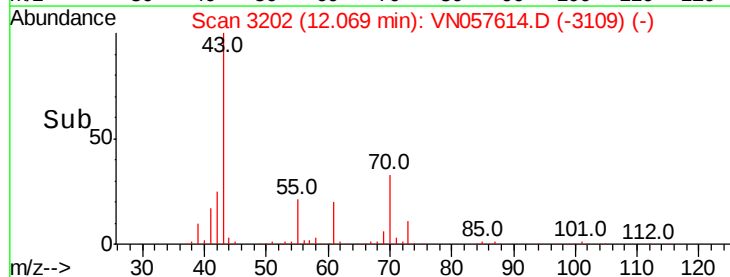
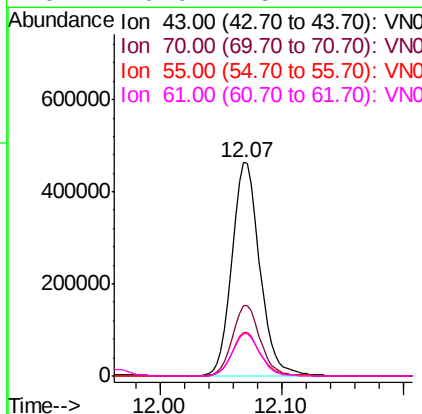
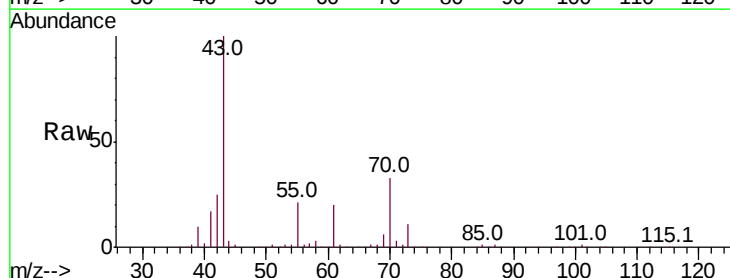
Delta R.T. -0.00 min

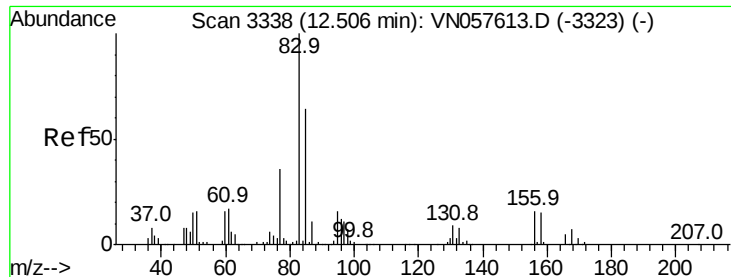
Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Tgt Ion: 43 Resp: 739209

Ion	Ratio	Lower	Upper
43	100		
70	33.4	26.9	40.3
55	20.7	16.8	25.2
61	20.0	15.1	22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 81.507 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

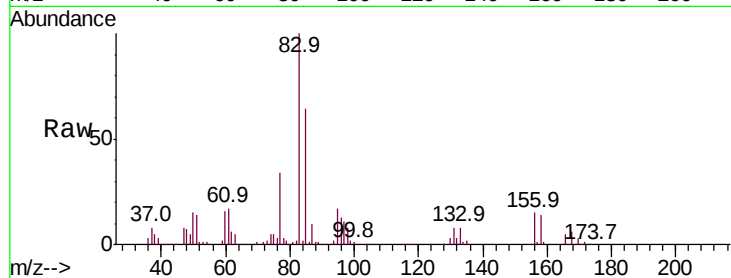
Tot Ion: 83 Resp: 448931

Ion Ratio Lower Upper

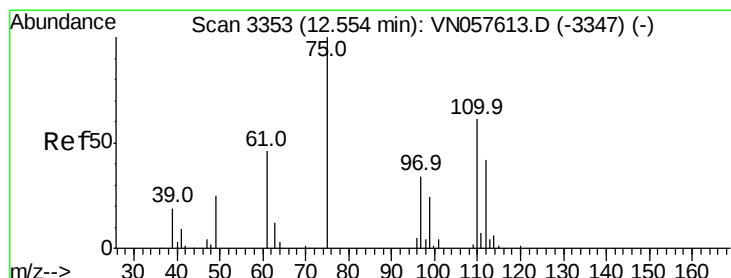
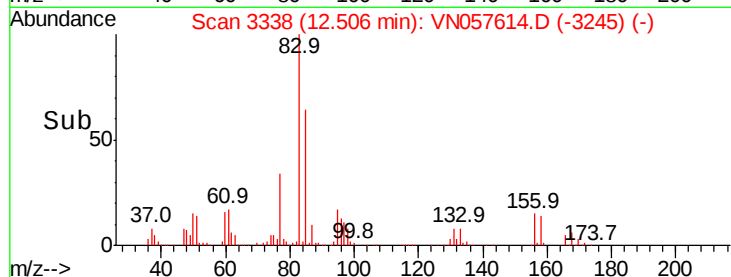
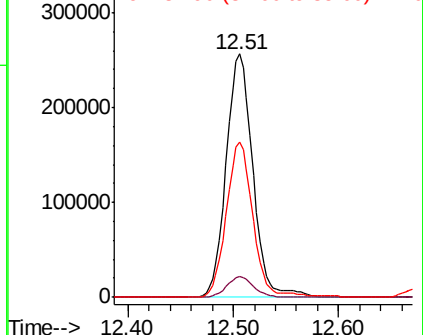
83 100

131 8.7 4.5 13.7

85 62.1 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 135.217 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057614.D

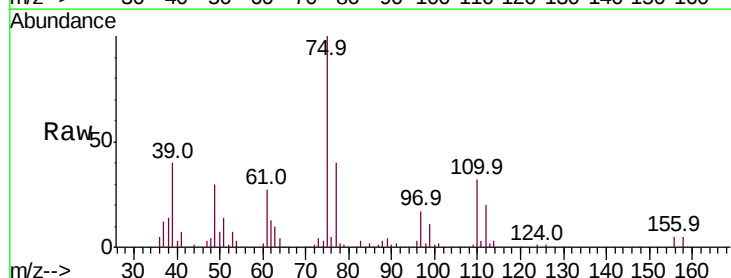
Acq: 31 Aug 2019 14:26

Tgt Ion: 75 Resp: 581963

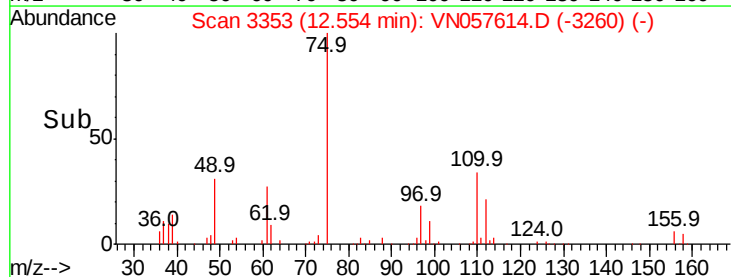
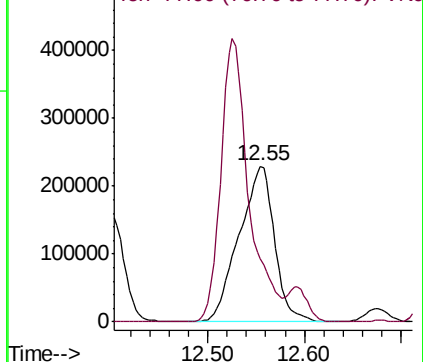
Ion Ratio Lower Upper

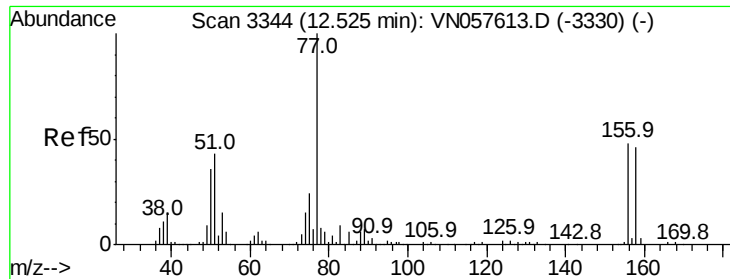
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 88.760 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

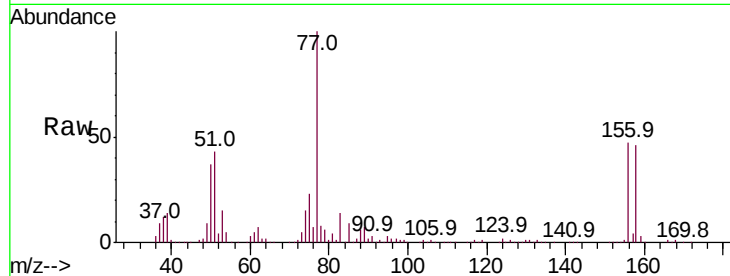
Tot Ion:156 Resp: 333436

Ion Ratio Lower Upper

156 100

77 251.5 123.5 370.5

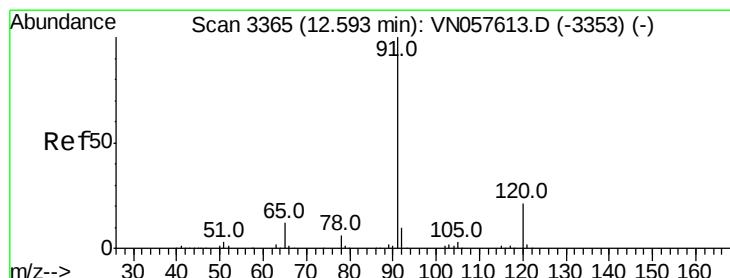
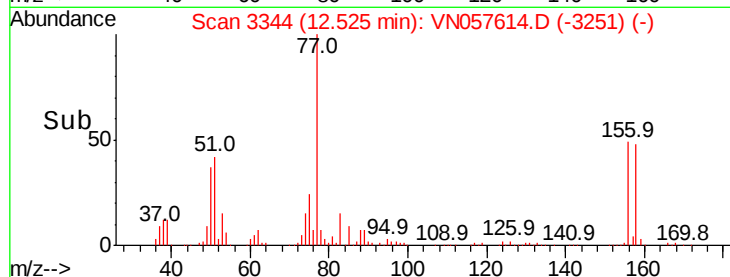
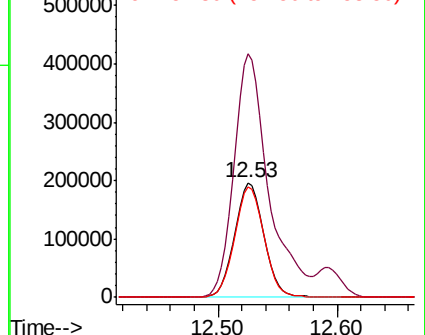
158 97.2 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 89.442 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057614.D

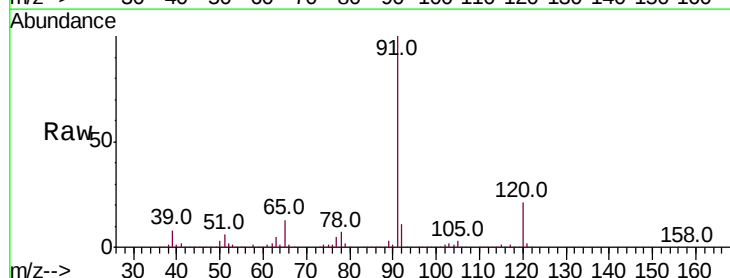
Acq: 31 Aug 2019 14:26

Tgt Ion: 91 Resp: 1785813

Ion Ratio Lower Upper

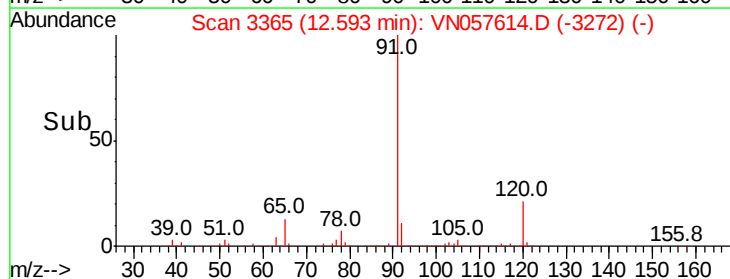
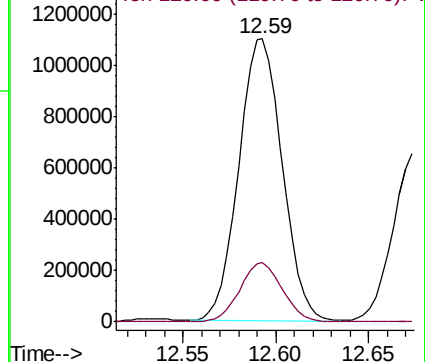
91 100

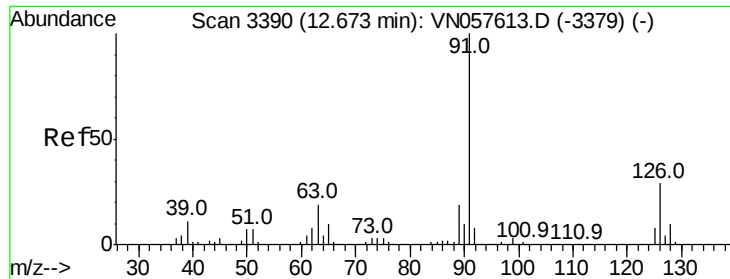
120 20.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

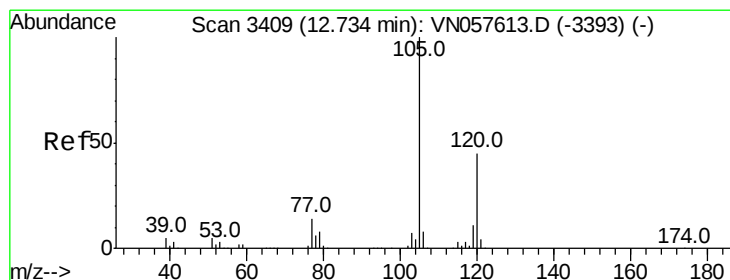
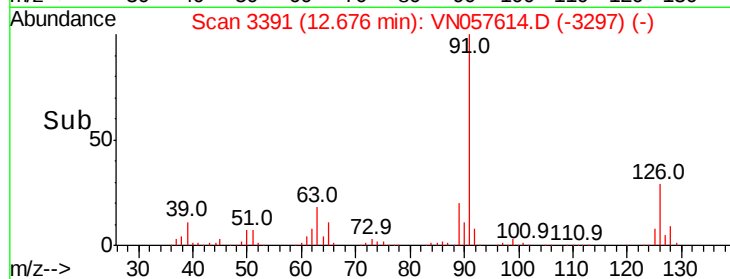
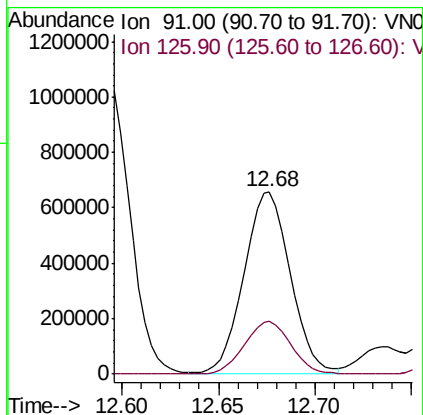
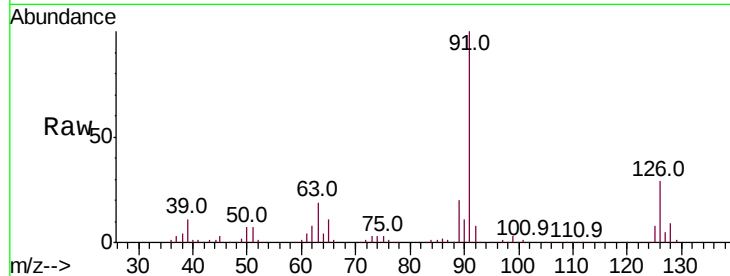




#79
 2-Chlorotoluene
 Concen: 90.936 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

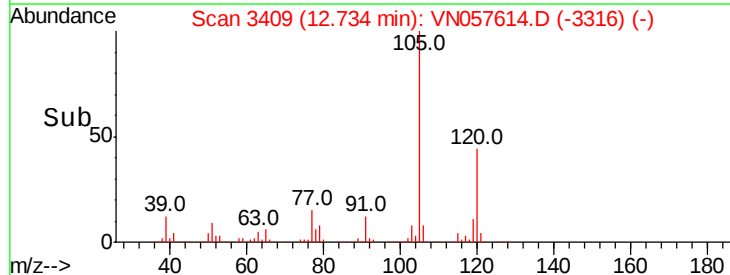
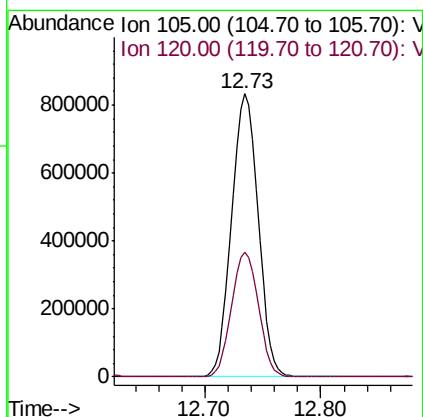
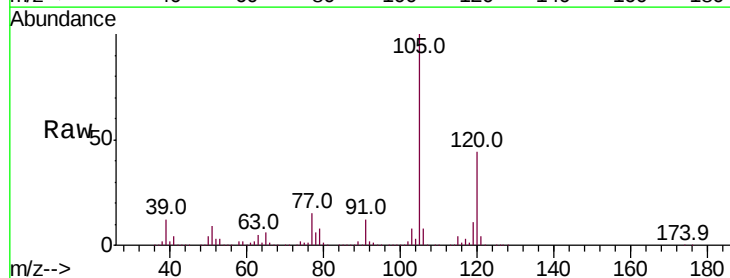
Instrument :
 MSVOA_N
 ClientSampleId :

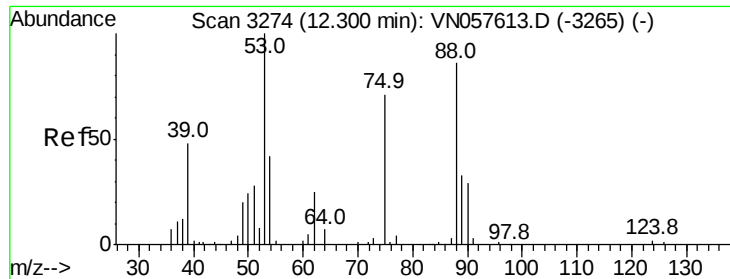
Tot Ion: 91 Resp: 1088420
 Ion Ratio Lower Upper
 91 100
 126 29.6 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 88.819 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion:105 Resp: 1317649
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.6 67.8





#81

trans-1,4-Dichloro-2-butene

Concen: 82.714 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

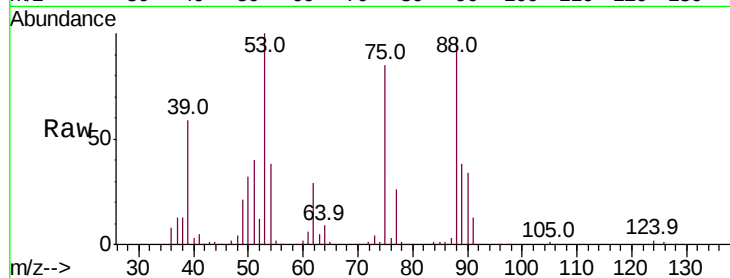
Tot Ion: 75 Resp: 132306

Ion Ratio Lower Upper

75 100

53 125.9 111.0 166.6

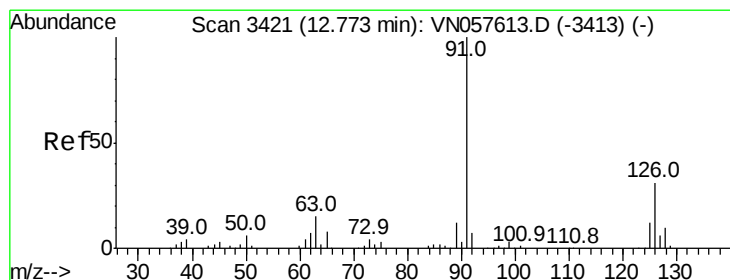
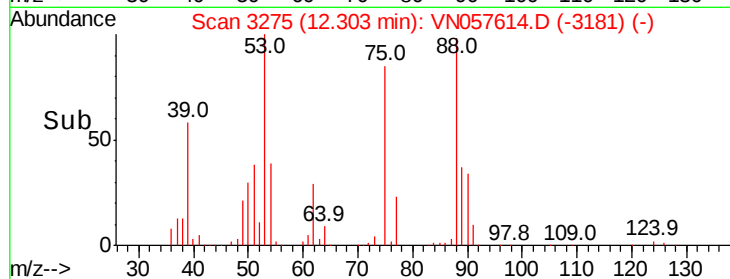
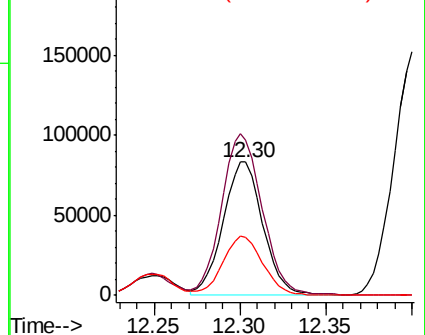
89 45.0 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VN057613.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057613.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057613.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 98.167 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057614.D

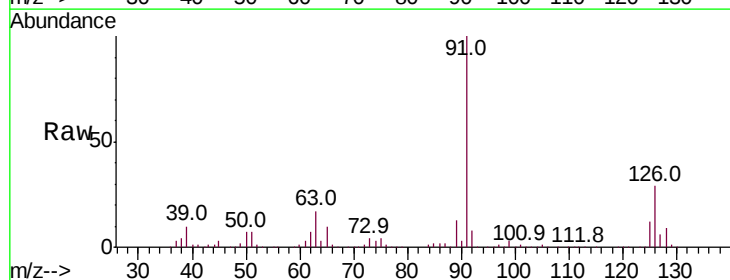
Acq: 31 Aug 2019 14:26

Tgt Ion: 91 Resp: 1120903

Ion Ratio Lower Upper

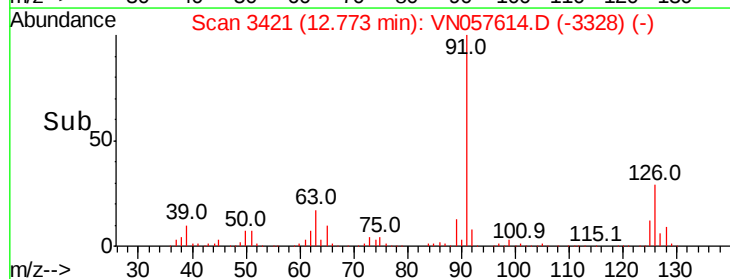
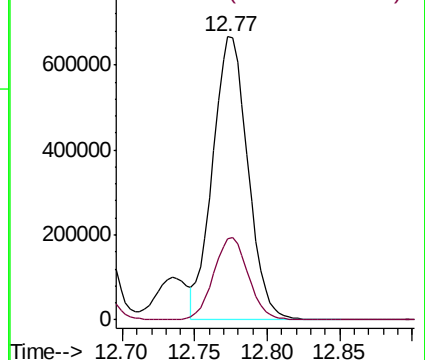
91 100

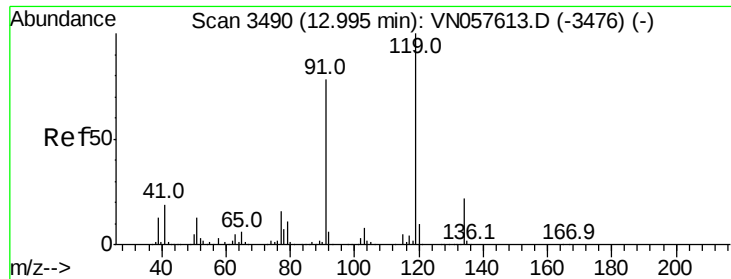
126 28.7 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN057613.D (-3413) (-)





#83

tert-Butylbenzene

Concen: 81.817 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

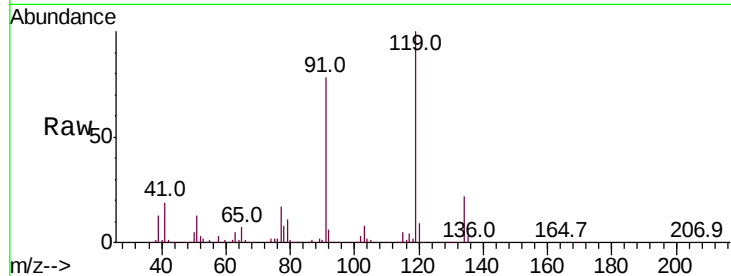
Tot Ion:119 Resp: 1077029

Ion Ratio Lower Upper

119 100

91 77.3 38.3 114.9

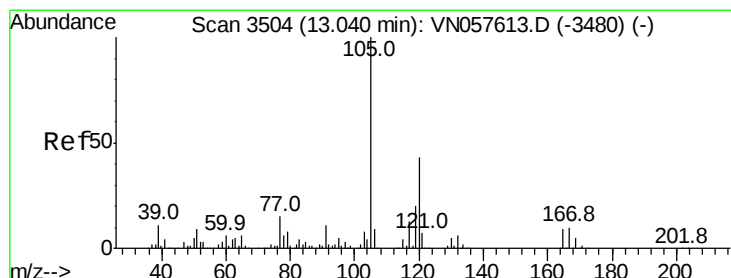
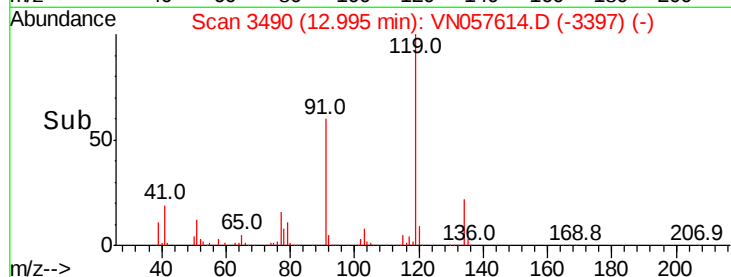
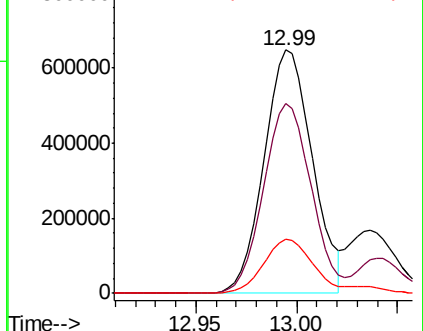
134 22.5 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 98.251 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057614.D

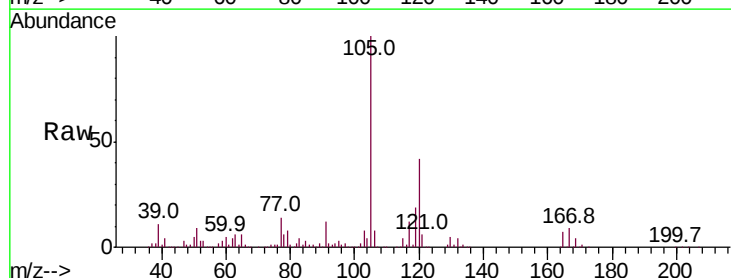
Acq: 31 Aug 2019 14:26

Tgt Ion:105 Resp: 1291822

Ion Ratio Lower Upper

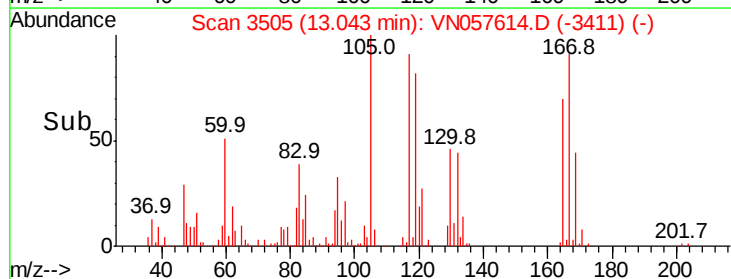
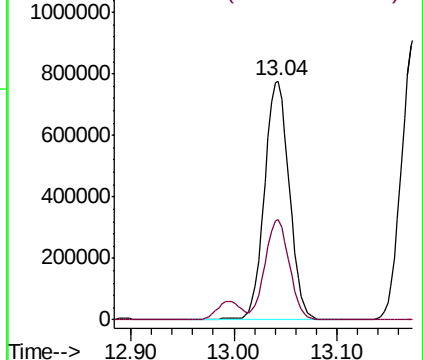
105 100

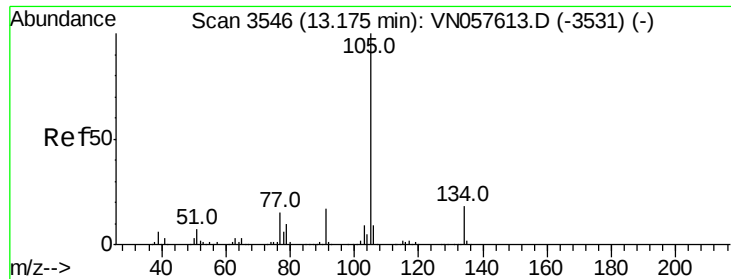
120 41.5 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

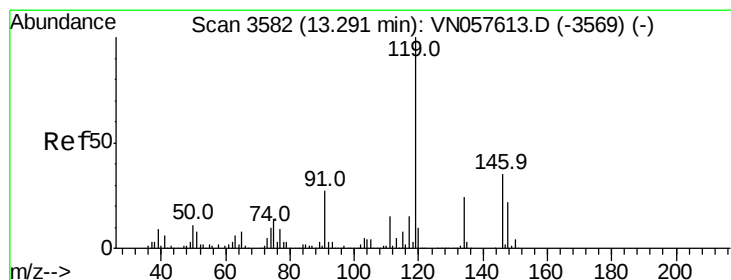
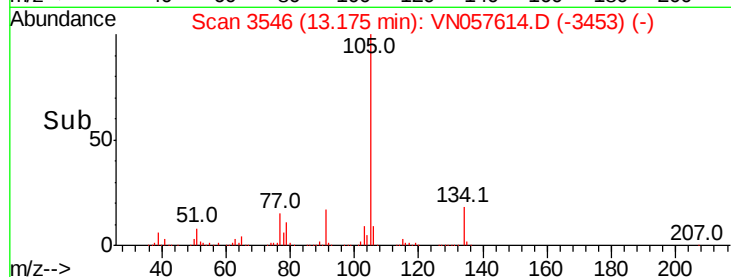
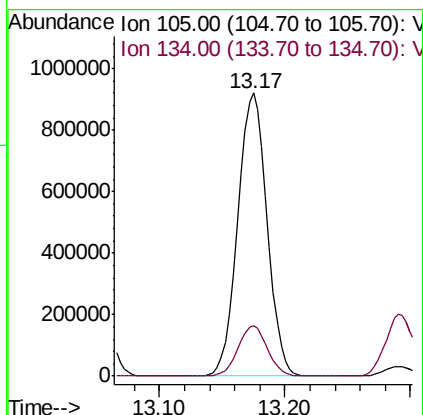
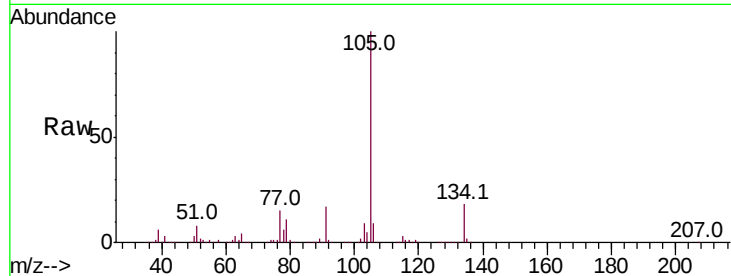




#85
 sec-Butylbenzene
 Concen: 92.188 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

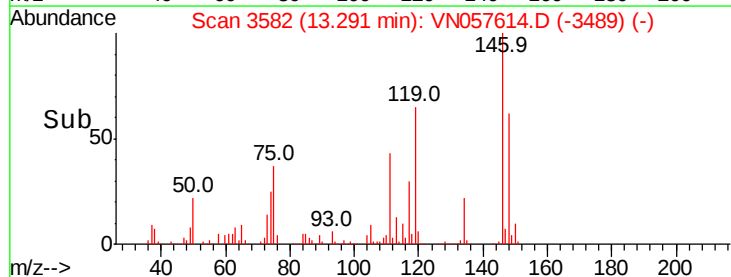
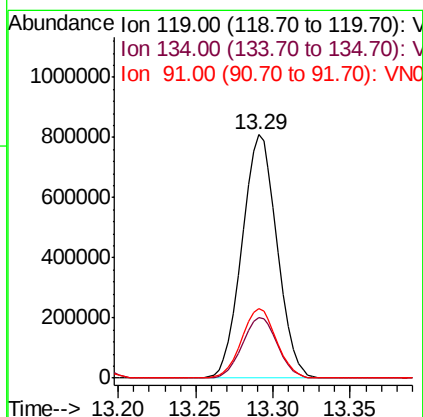
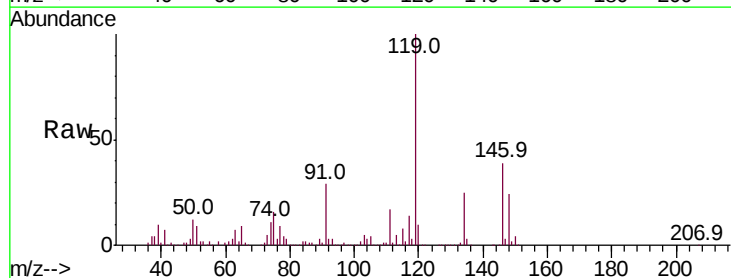
Instrument :
 MSVOA_N
 ClientSampled :

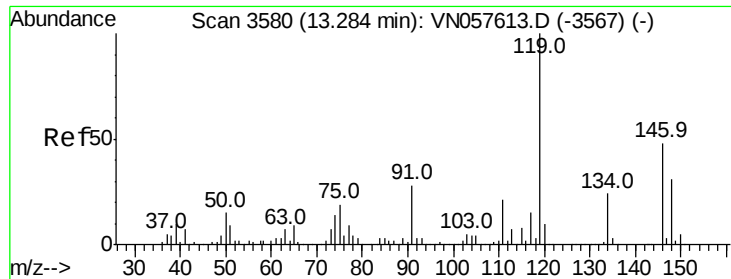
Tot Ion:105 Resp: 1491153
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.9 26.8



#86
 p-Isopropyltoluene
 Concen: 96.599 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion:119 Resp: 1273121
 Ion Ratio Lower Upper
 119 100
 134 24.9 11.9 35.5
 91 28.4 13.7 41.0





#87

1,3-Dichlorobenzene

Concen: 107.819 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

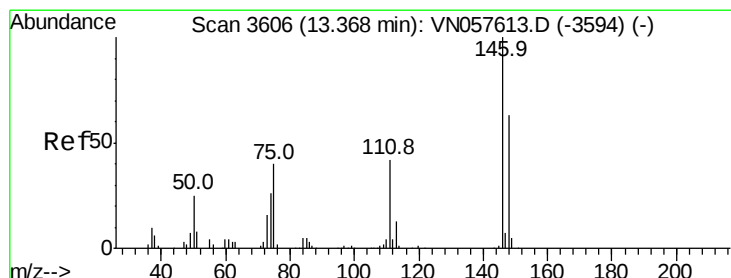
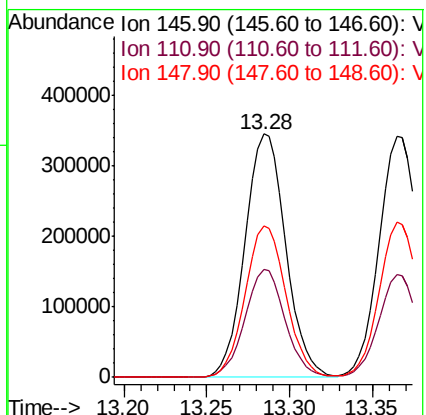
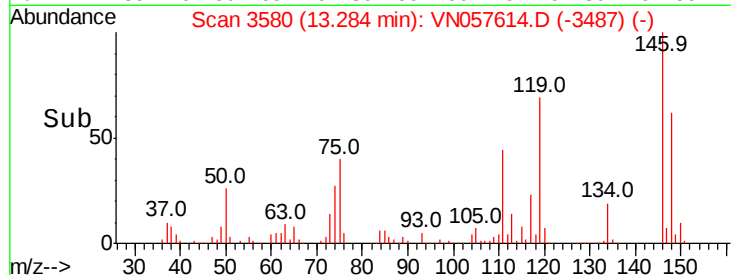
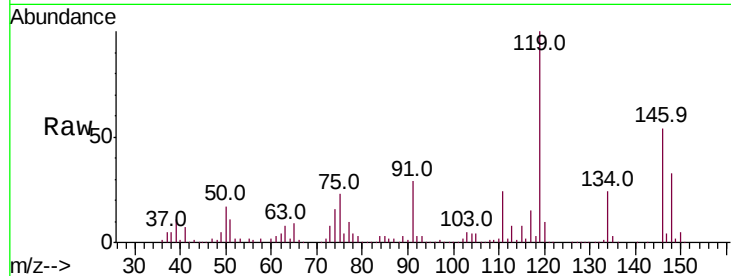
Tot Ion:146 Resp: 591453

Ion Ratio Lower Upper

146 100

111 43.7 21.8 65.3

148 62.4 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 109.308 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

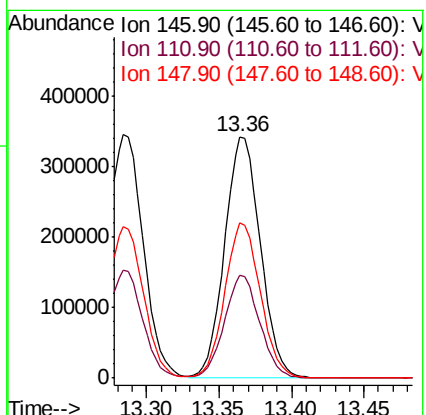
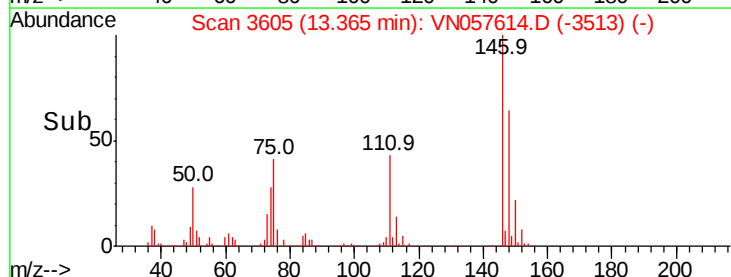
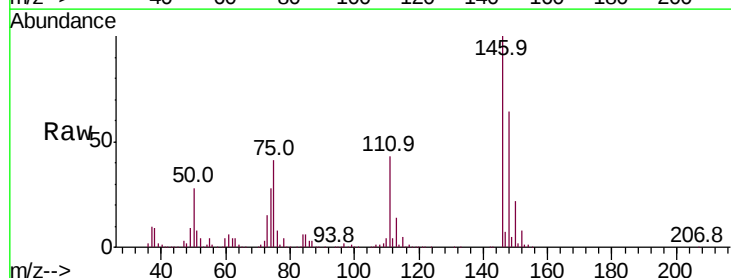
Tgt Ion:146 Resp: 583160

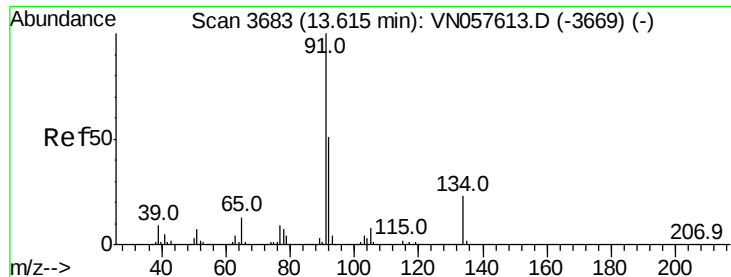
Ion Ratio Lower Upper

146 100

111 42.2 21.6 65.0

148 64.1 32.2 96.6

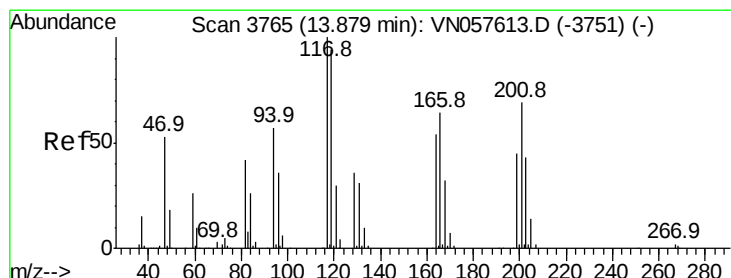
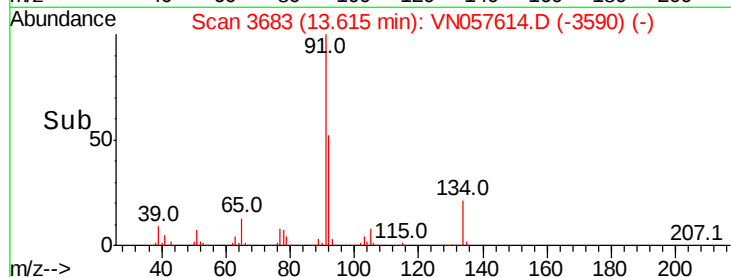
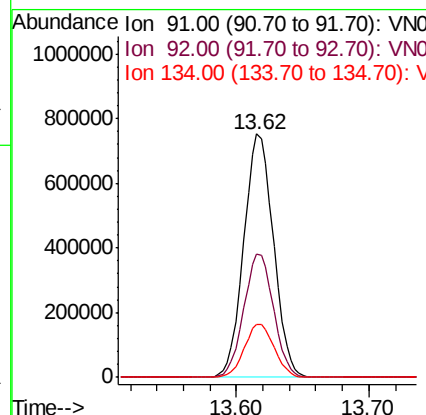
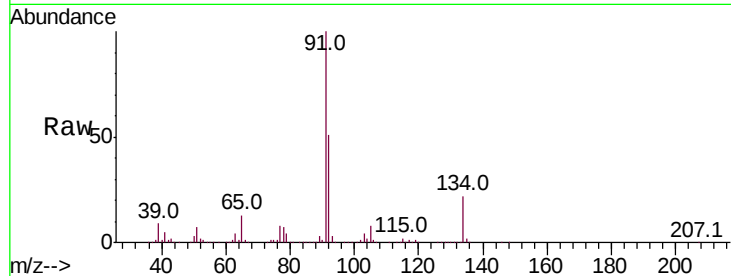




#89
n-Butylbenzene
Concen: 104.515 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

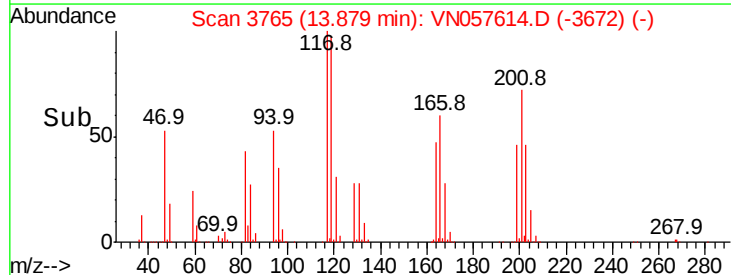
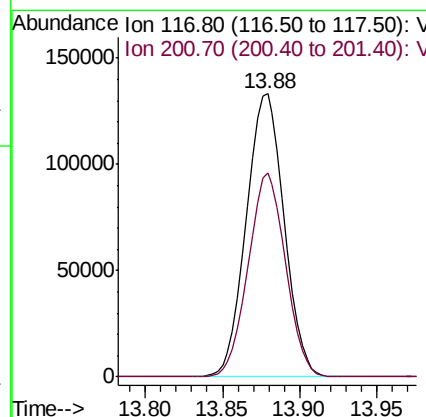
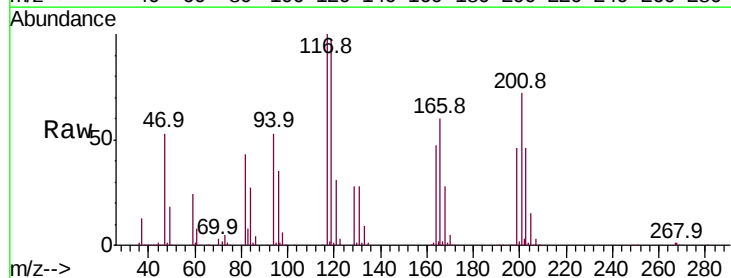
Instrument :
MSVOA_N
ClientSampleId :

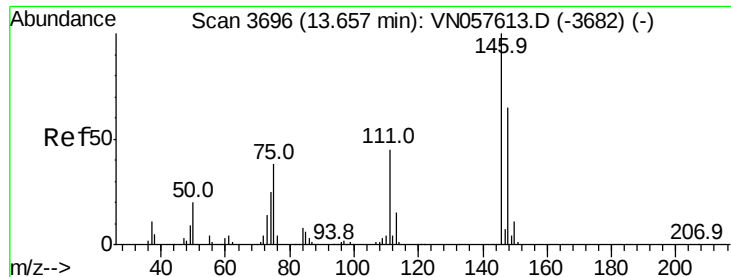
Tot Ion: 91 Resp: 1170511
Ion Ratio Lower Upper
91 100
92 50.7 25.4 76.0
134 21.9 11.0 33.0



#90
Hexachloroethane
Concen: 76.891 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN057614.D
Acq: 31 Aug 2019 14:26

Tgt Ion: 117 Resp: 227255
Ion Ratio Lower Upper
117 100
201 71.1 34.4 103.2

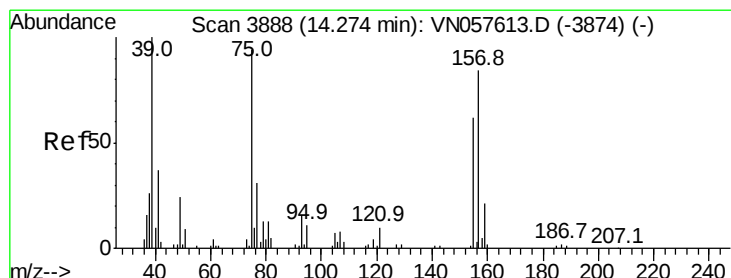
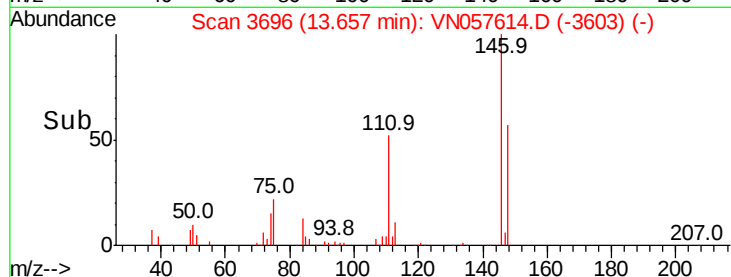
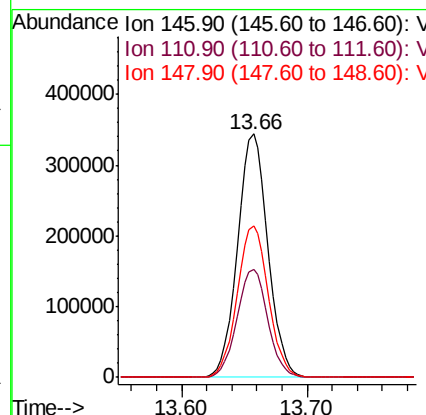
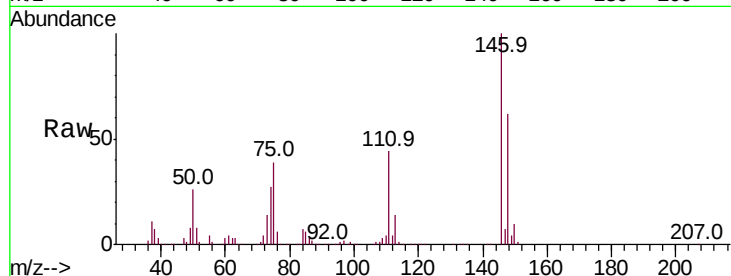




#91
 1,2-Dichlorobenzene
 Concen: 109.821 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

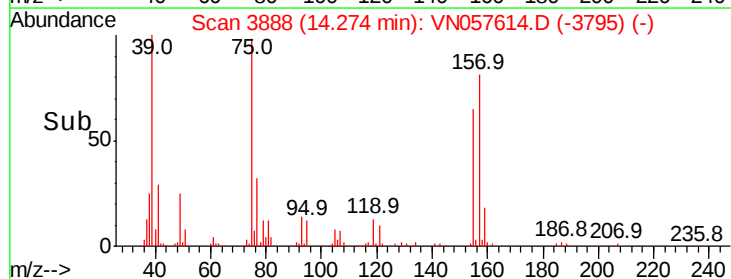
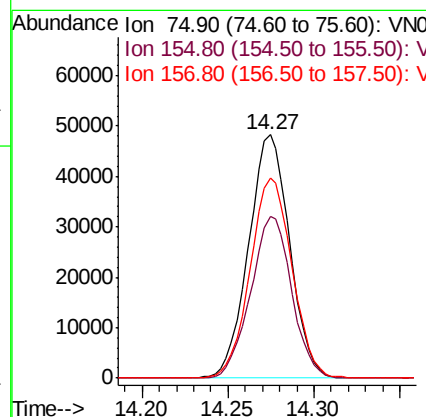
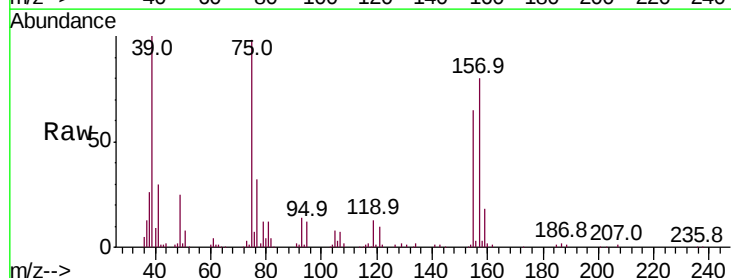
Instrument :
 MSVOA_N
 ClientSampleId :

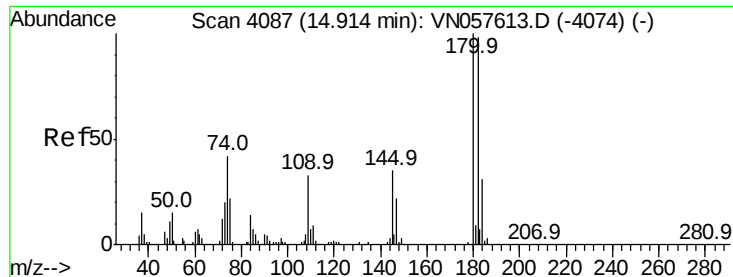
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.5
148	64.0	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 90.787 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057614.D
 Acq: 31 Aug 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.1	30.1	90.5
157	83.8	41.4	124.4





#93

1,2,4-Trichlorobenzene

Concen: 130.584 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampleId :

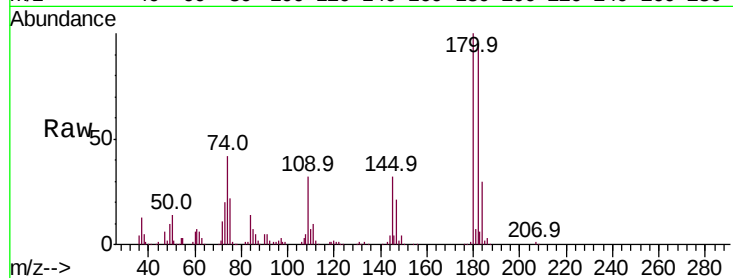
Tot Ion:180 Resp: 250496

Ion Ratio Lower Upper

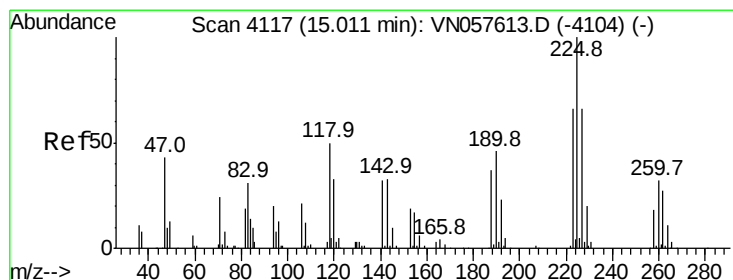
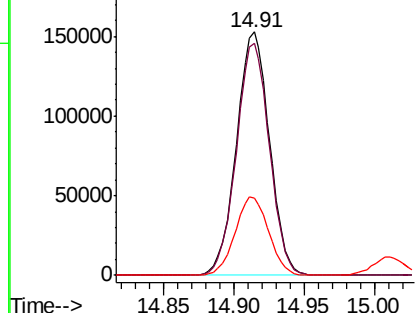
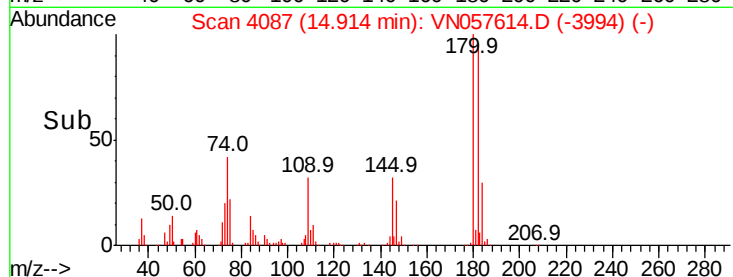
180 100

182 95.2 47.8 143.3

145 32.6 16.9 50.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 113.197 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

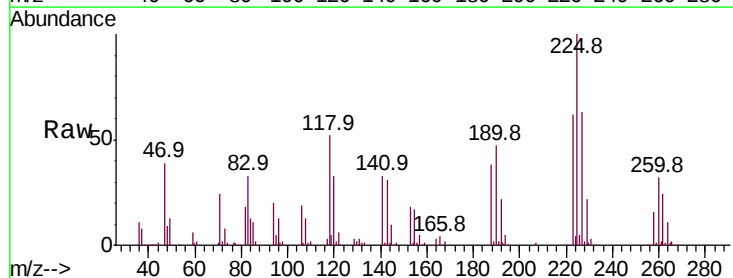
Tgt Ion:225 Resp: 188488

Ion Ratio Lower Upper

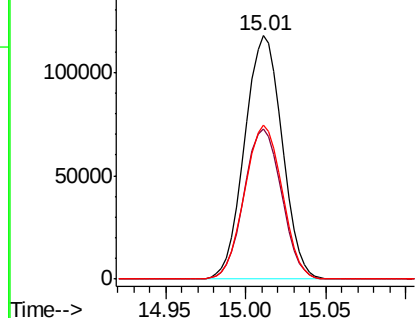
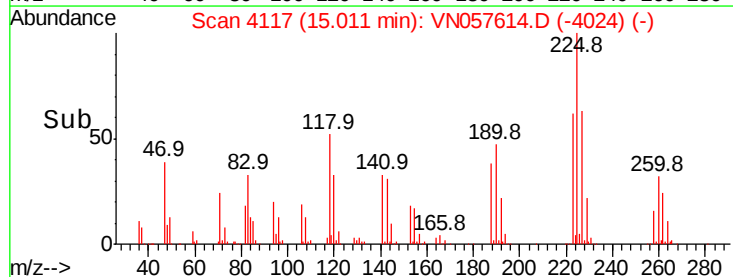
225 100

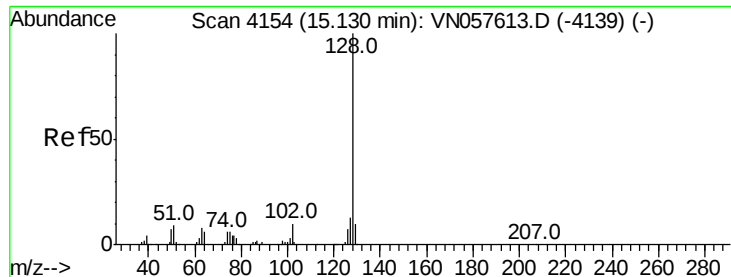
223 61.8 32.3 96.8

227 63.5 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 116.360 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

Instrument :

MSVOA_N

ClientSampled :

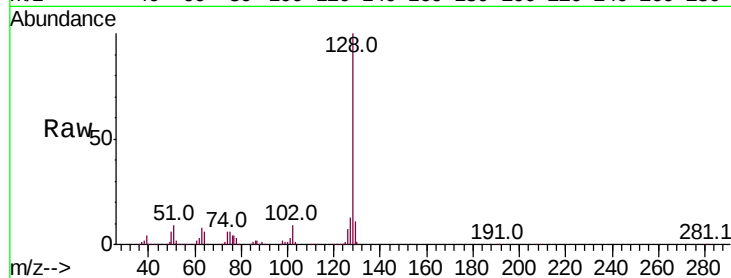
Tot Ion:128 Resp: 731571

Ion Ratio Lower Upper

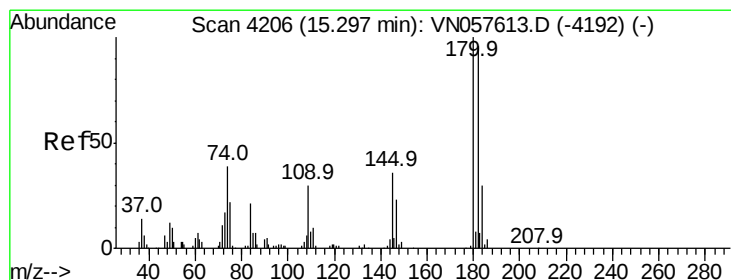
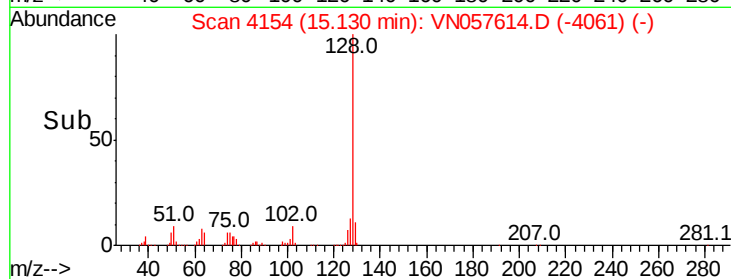
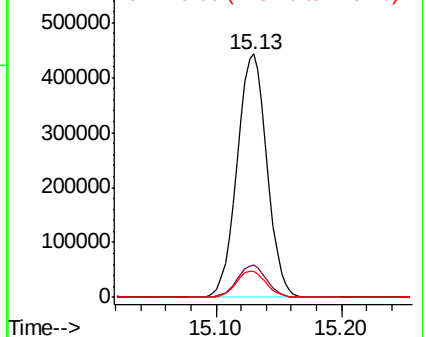
128 100

127 13.1 10.2 15.2

129 10.8 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



#96

1,2,3-Trichlorobenzene

Concen: 122.945 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057614.D

Acq: 31 Aug 2019 14:26

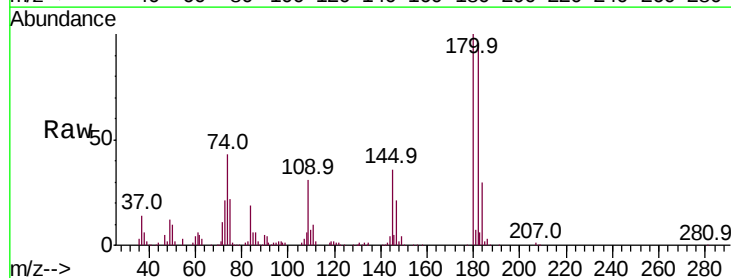
Tgt Ion:180 Resp: 247559

Ion Ratio Lower Upper

180 100

182 97.0 46.3 138.9

145 35.3 17.8 53.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

