

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058024.D
 Acq On : 13 Sep 2019 18:17
 Operator : JC/SP
 Sample : K4859-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Quant Time: Sep 14 03:36:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	317545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	521922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278725	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	337390	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.57	113	240581	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.09	98	958692	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.41	95	331568	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	90880	20.694	ug/l 98
3) Chloromethane	2.04	50	78208	17.473	ug/l 99
4) Vinyl Chloride	2.17	62	81572	17.220	ug/l 99
5) Bromomethane	2.55	94	45586	16.492	ug/l 90
6) Chloroethane	2.69	64	53552	17.741	ug/l 97
7) Trichlorofluoromethane	3.00	101	106357	17.841	ug/l 97
8) Diethyl Ether	3.39	74	46944	18.880	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78898	20.980	ug/l 99
10) Methyl Iodide	3.93	142	71013	16.969	ug/l 98
11) Tert butyl alcohol	4.75	59	68837	88.430	ug/l 98
12) 1,1-Dichloroethene	3.72	96	64401	19.046	ug/l 92
13) Acrolein	3.58	56	9345	14.150	ug/l 89
14) Allyl chloride	4.30	41	120177	18.161	ug/l 97
15) Acrylonitrile	4.96	53	221971	103.744	ug/l 99
16) Acetone	3.80	43	187710	89.029	ug/l 95
17) Carbon Disulfide	4.03	76	84984	16.256	ug/l 99
18) Methyl Acetate	4.30	43	125295	22.288	ug/l 98
19) Methyl tert-butyl Ether	5.02	73	294841	20.953	ug/l 98
20) Methylene Chloride	4.53	84	88648	21.381	ug/l 96
21) trans-1,2-Dichloroethene	5.02	96	68815	18.827	ug/l 97
22) Diisopropyl ether	5.93	45	323333	20.836	ug/l 95
23) Vinyl Acetate	5.87	43	1149213	104.497	ug/l 100
24) 1,1-Dichloroethane	5.83	63	174111	20.530	ug/l 98
25) 2-Butanone	6.81	43	299146	98.029	ug/l 97
26) 2,2-Dichloropropane	6.81	77	126018	18.776	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	98238	20.055	ug/l 97
28) Bromochloromethane	7.18	49	93642	22.101	ug/l 97
29) Tetrahydrofuran	7.19	42	187353	99.634	ug/l 100
30) Chloroform	7.36	83	183104	20.649	ug/l 99
31) Cyclohexane	7.64	56	122826	19.906	ug/l 94
32) 1,1,1-Trichloroethane	7.56	97	140513	19.979	ug/l 98
36) 1,1-Dichloropropene	7.78	75	110207	18.207	ug/l 98
37) Ethyl Acetate	6.91	43	121491	19.427	ug/l 99
38) Carbon Tetrachloride	7.76	117	108928	19.711	ug/l 95

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	115534	18.157	ug/l	98
40) Benzene	8.03	78	359484	19.727	ug/l	100
41) Methacrylonitrile	7.19	41	180980	63.752	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	149891	20.566	ug/l	100
43) Isopropyl Acetate	8.15	43	219144	20.837	ug/l #	90
44) Trichloroethene	8.82	130	88160	19.724	ug/l	95
45) 1,2-Dichloropropane	9.11	63	108997	20.555	ug/l	99
46) Dibromomethane	9.20	93	66533	20.764	ug/l	99
47) Bromodichloromethane	9.40	83	131968	20.624	ug/l	97
48) Methyl methacrylate	9.19	41	102886	19.286	ug/l	98
49) 1,4-Dioxane	9.19	88	30622	339.428	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	652707	104.877	ug/l	99
52) Toluene	10.15	92	224739	19.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	130344	19.344	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	144718	19.453	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	100746	20.722	ug/l	99
56) Ethyl methacrylate	10.43	69	143235	19.564	ug/l	99
57) 1,3-Dichloropropane	10.71	76	171488	20.467	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	315154	91.394	ug/l	100
59) 2-Hexanone	10.75	43	457795	98.139	ug/l	99
60) Dibromochloromethane	10.90	129	86333	19.123	ug/l	100
61) 1,2-Dibromoethane	11.00	107	92110	20.040	ug/l	97
64) Tetrachloroethene	10.63	164	71564	20.069	ug/l	98
65) Chlorobenzene	11.43	112	251653	19.910	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88763	20.239	ug/l	99
67) Ethyl Benzene	11.51	91	459820	20.759	ug/l	99
68) m/p-Xylenes	11.62	106	328857	40.530	ug/l	99
69) o-Xylene	11.95	106	165355	20.499	ug/l	99
70) Styrene	11.97	104	281851	20.303	ug/l	98
71) Bromoform	12.13	173	49231	18.005	ug/l #	97
73) Isopropylbenzene	12.25	105	456640	21.113	ug/l	99
74) N-amyl acetate	12.07	43	180736	19.201	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	148116	20.339	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	172866	27.416	ug/l #	100
77) Bromobenzene	12.53	156	106088	19.674	ug/l	98
78) n-propylbenzene	12.60	91	529821	21.333	ug/l	100
79) 2-Chlorotoluene	12.68	91	316623	20.171	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	386927	21.173	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29476	16.451	ug/l	88
82) 4-Chlorotoluene	12.78	91	324477	20.129	ug/l	100
83) tert-Butylbenzene	13.00	119	337294	20.764	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	389368	20.964	ug/l	99
85) sec-Butylbenzene	13.18	105	456183	21.188	ug/l	99
86) p-Isopropyltoluene	13.29	119	396340	20.892	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	199463	20.152	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	192303	19.141	ug/l	97
89) n-Butylbenzene	13.62	91	364576	20.350	ug/l	99
90) Hexachloroethane	13.88	117	55188	19.561	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	201463	20.374	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22429	18.650	ug/l	98

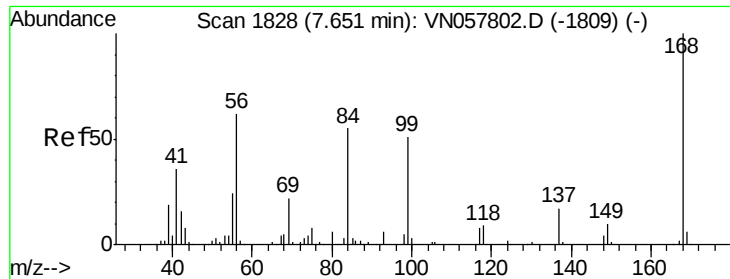
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	116441	18.016	ug/l	98
94) Hexachlorobutadiene	15.02	225	53758	19.622	ug/l	98
95) Naphthalene	15.13	128	320930	18.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	110913	20.263	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

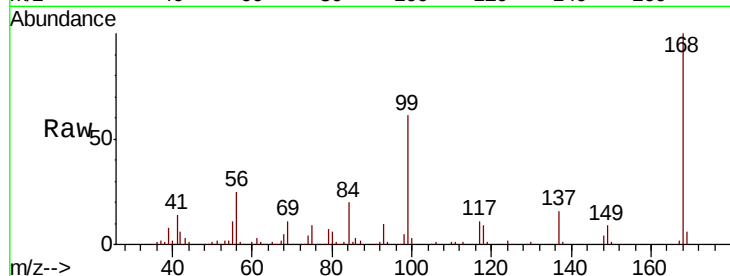
VN0914WBS03

Tgt Ion:168 Resp: 317545

Ion Ratio Lower Upper

168 100

99 60.3 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

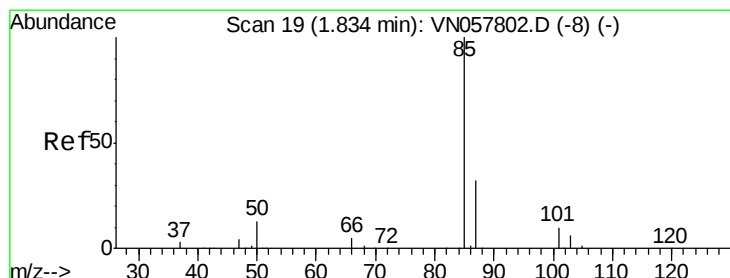
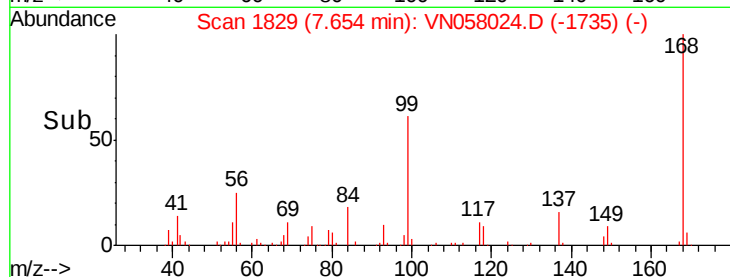
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.694 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058024.D

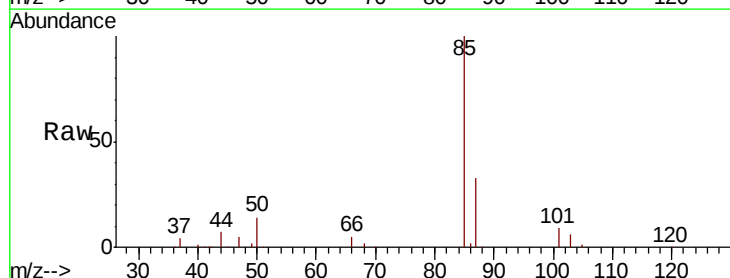
Acq: 13 Sep 2019 18:17

Tgt Ion: 85 Resp: 90880

Ion Ratio Lower Upper

85 100

87 33.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

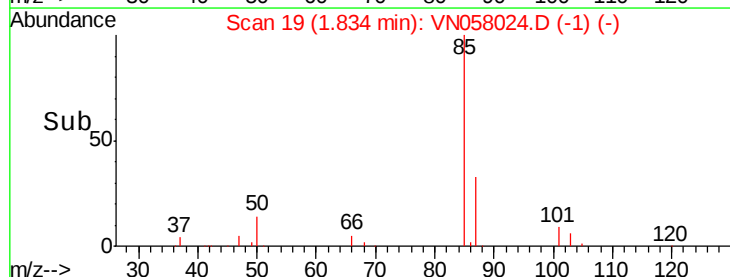
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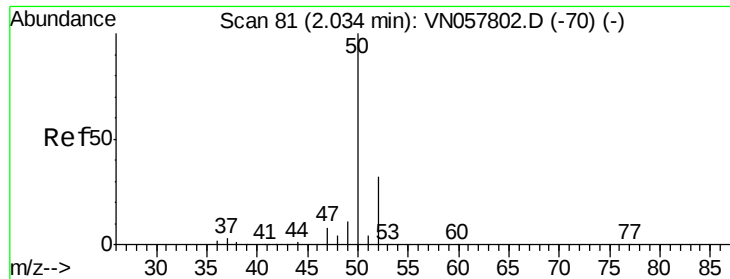
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0

1.75 1.80 1.85 1.90 1.95

Time-->

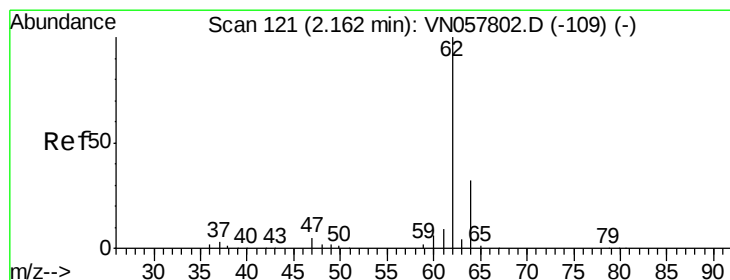
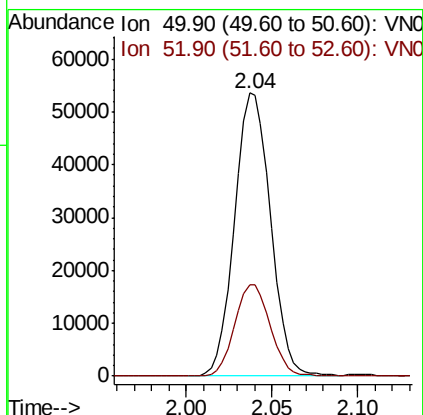
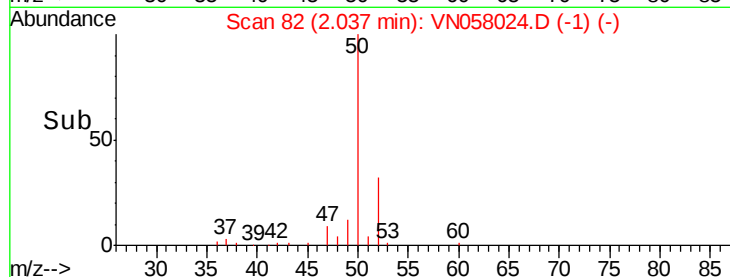
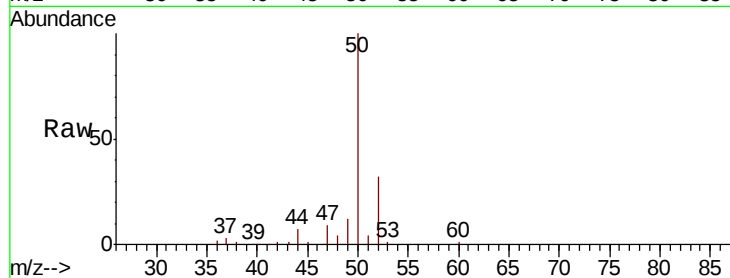




#3
Chloromethane
Concen: 17.473 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

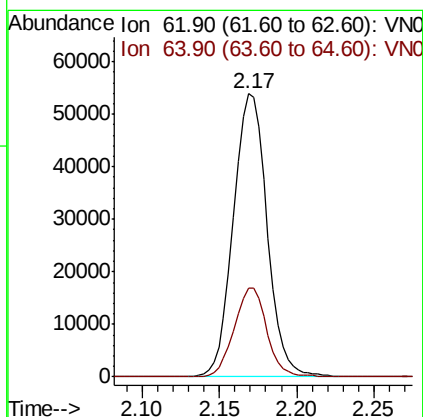
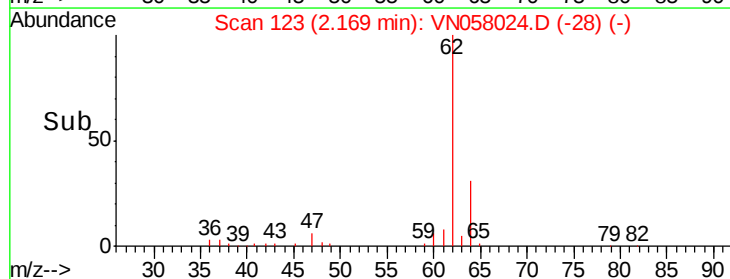
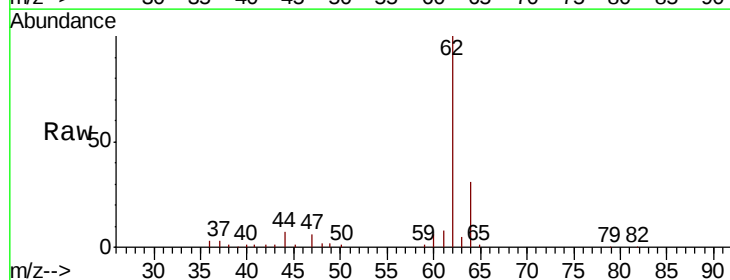
Instrument :
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ClientSampleId :
VN0914WBS03

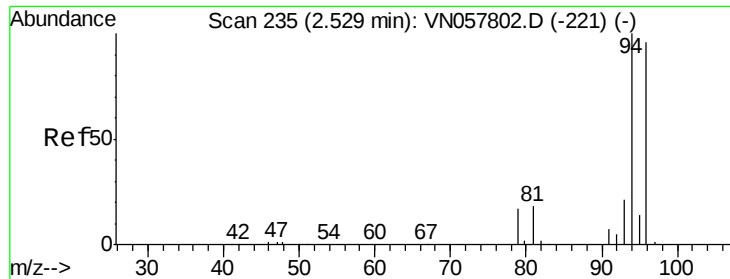
Tgt Ion: 50 Resp: 78208
Ion Ratio Lower Upper
50 100
52 32.4 25.5 38.3



#4
Vinyl Chloride
Concen: 17.220 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.01 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 62 Resp: 81572
Ion Ratio Lower Upper
62 100
64 31.3 25.6 38.4





#5

Bromomethane

Concen: 16.492 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

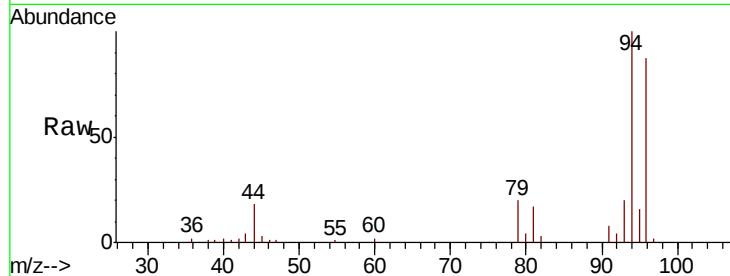
VN0914WBS03

Tgt Ion: 94 Resp: 45586

Ion Ratio Lower Upper

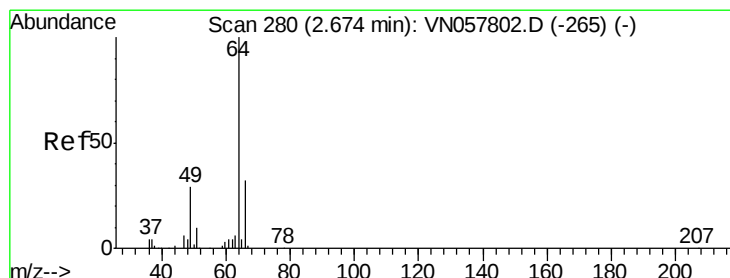
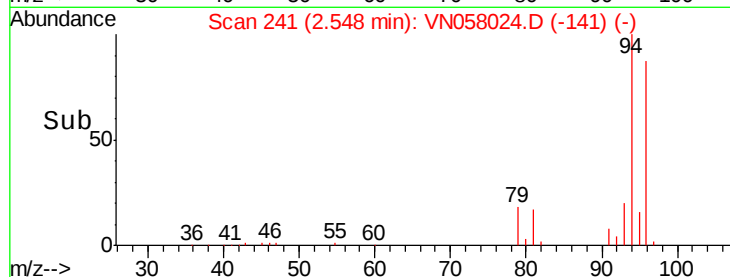
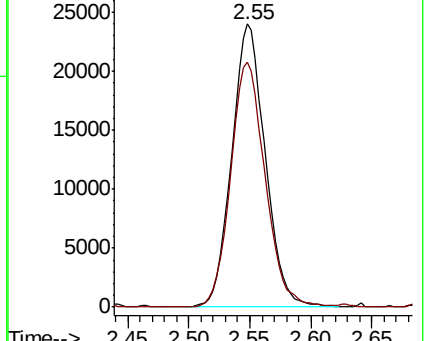
94 100

96 86.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.741 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.02 min

Lab File: VN058024.D

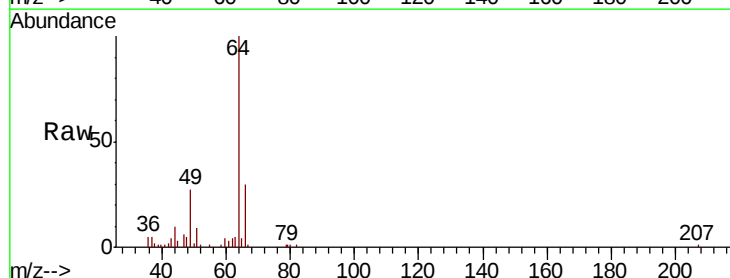
Acq: 13 Sep 2019 18:17

Tgt Ion: 64 Resp: 53552

Ion Ratio Lower Upper

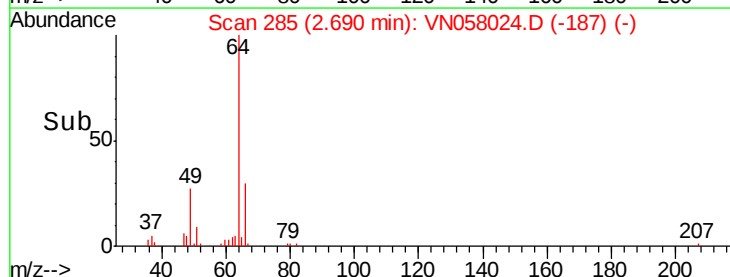
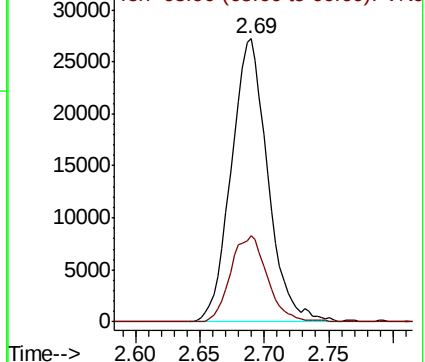
64 100

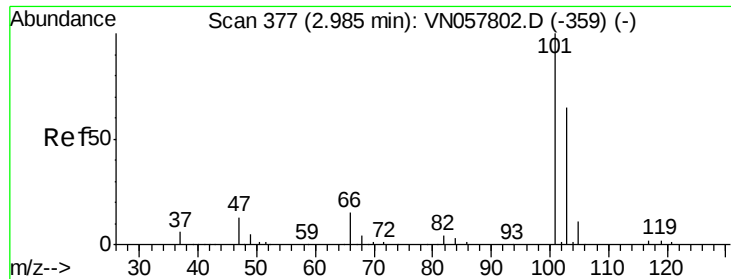
66 30.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



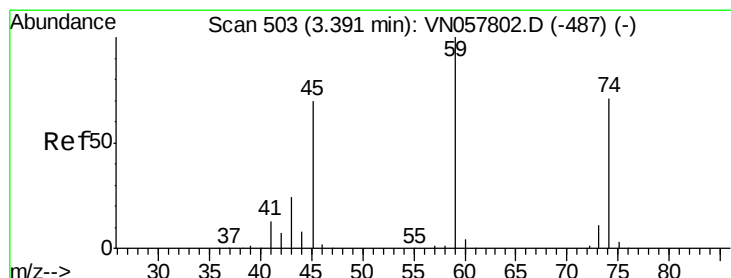
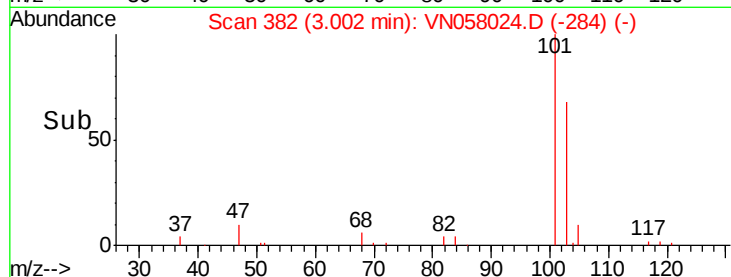
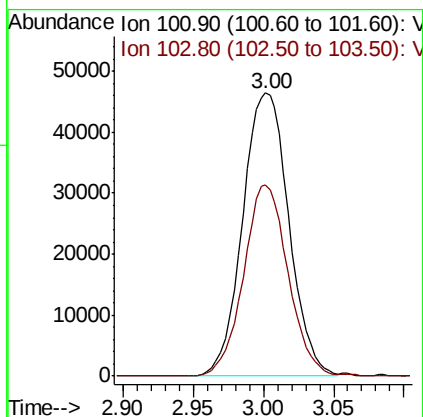
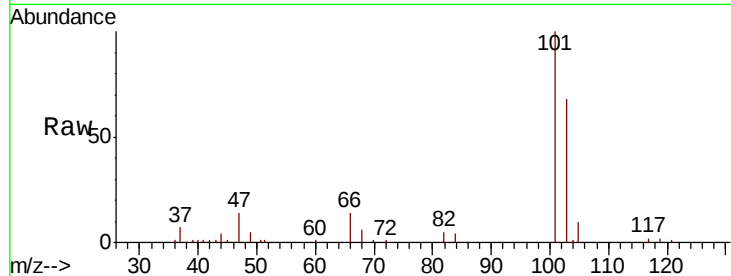


#7

Trichlorofluoromethane
 Concen: 17.841 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

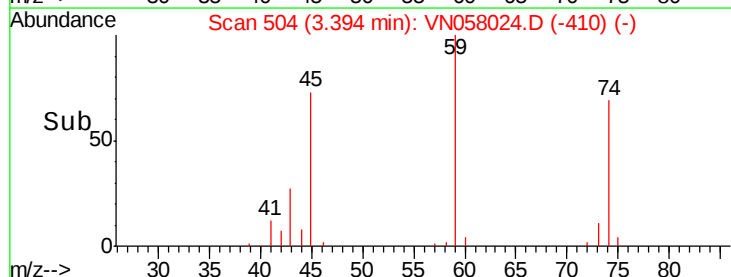
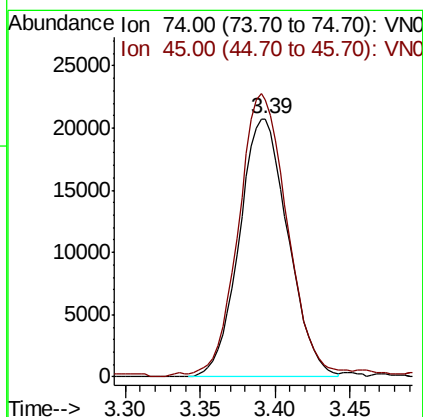
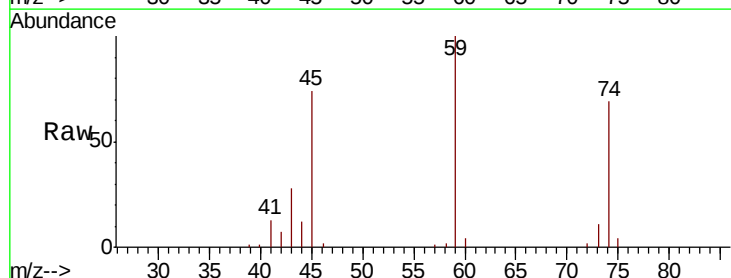
Tgt Ion:101 Resp: 106357
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.9 77.9

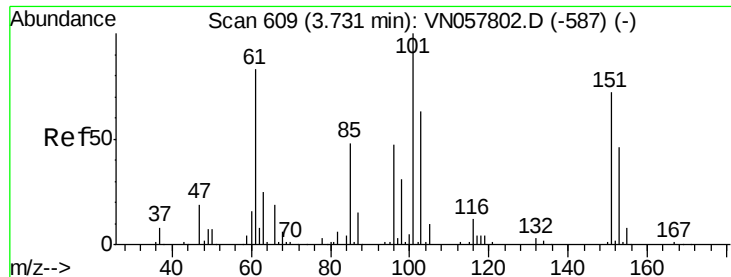


#8

Diethyl Ether
 Concen: 18.880 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 74 Resp: 46944
 Ion Ratio Lower Upper
 74 100
 45 107.3 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.980 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

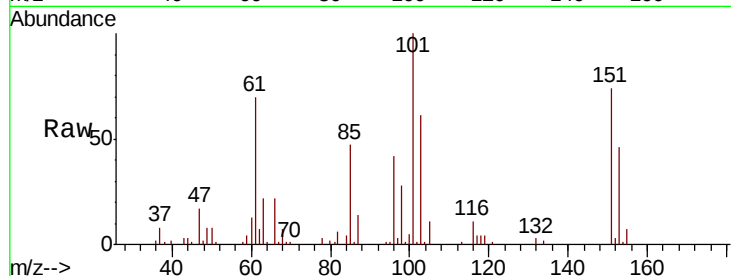
Tgt Ion:101 Resp: 78898

Ion Ratio Lower Upper

101 100

85 46.2 38.1 57.1

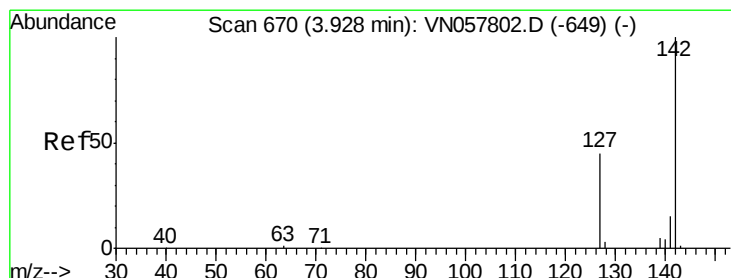
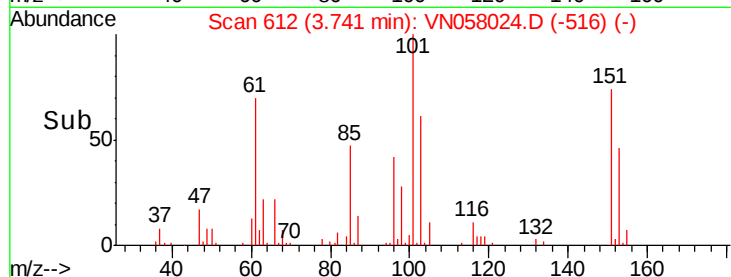
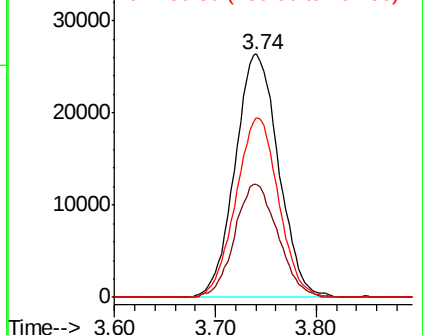
151 72.5 58.4 87.6



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: 16.969 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

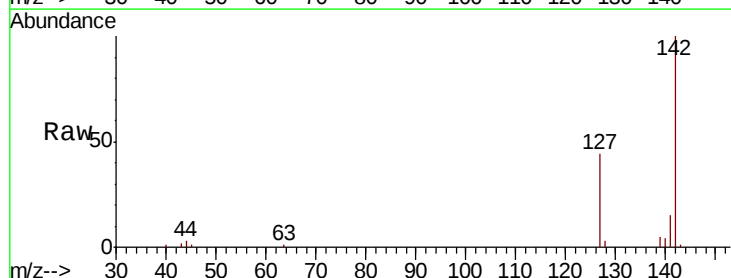
Tgt Ion:142 Resp: 71013

Ion Ratio Lower Upper

142 100

127 44.7 36.7 55.1

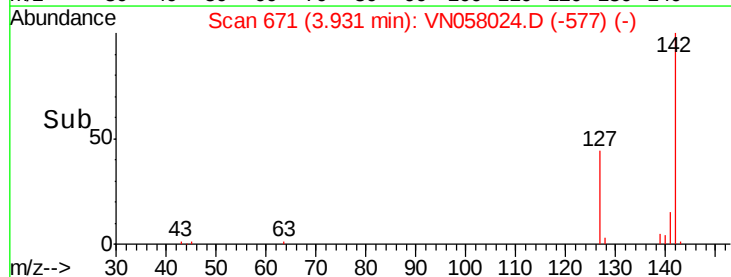
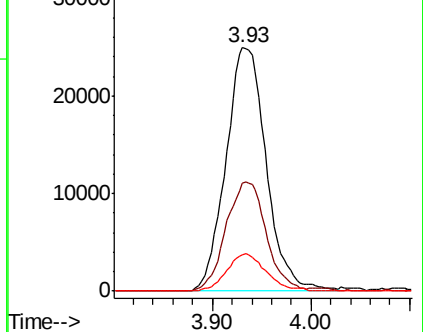
141 15.1 11.4 17.0

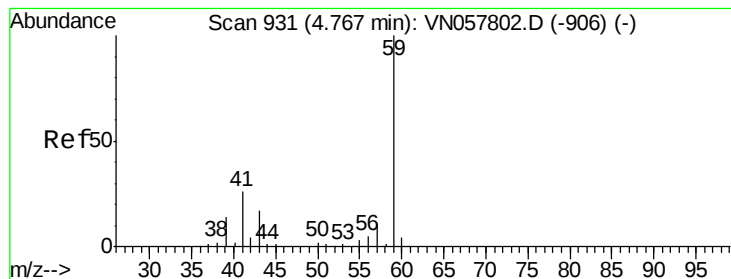


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



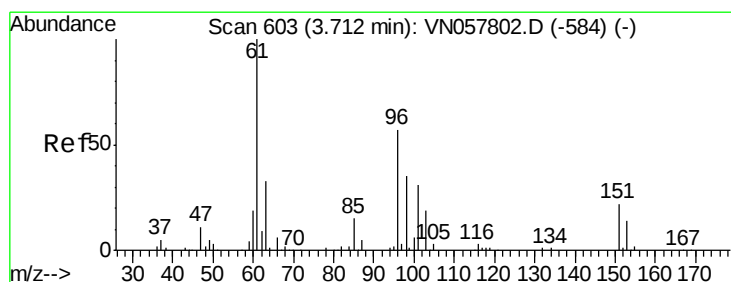
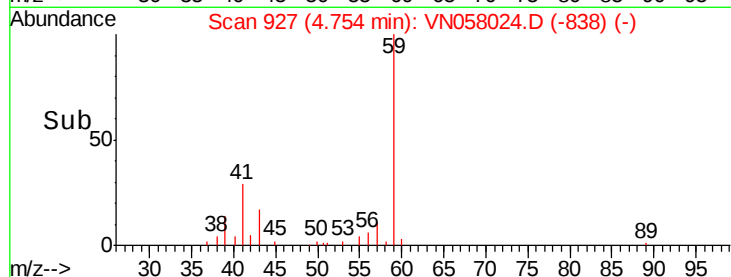
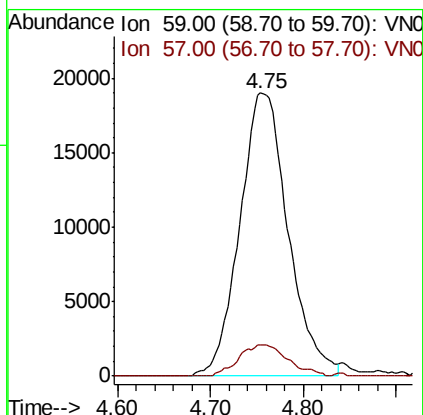
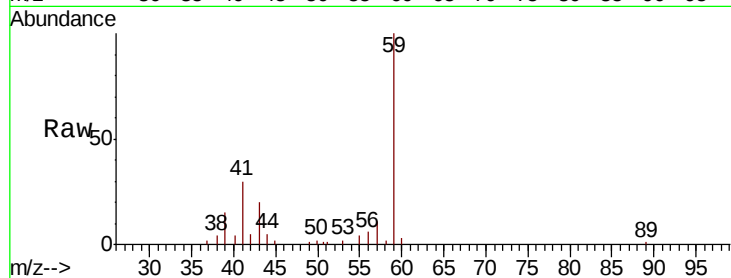


#11

Tert butyl alcohol
 Concen: 88.430 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

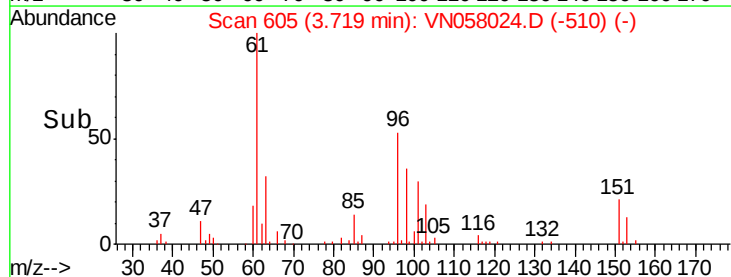
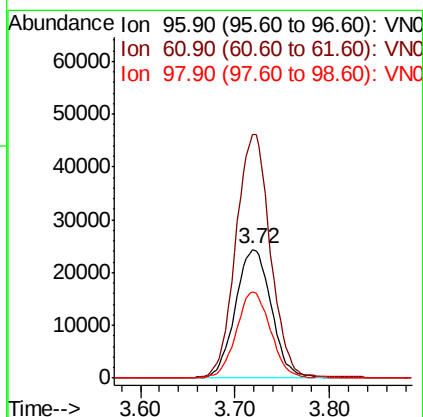
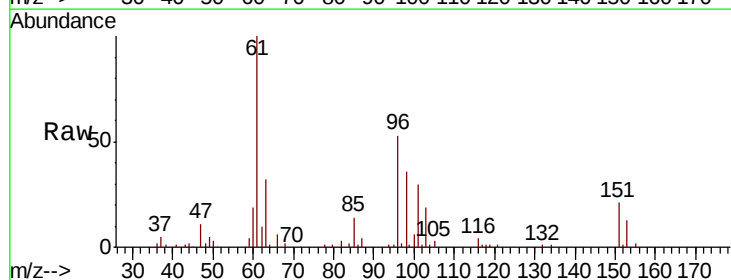
Tgt Ion: 59 Resp: 68837
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.4 12.6

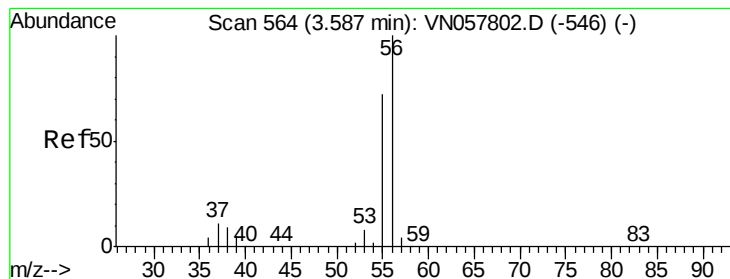


#12

1,1-Dichloroethene
 Concen: 19.046 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 96 Resp: 64401
 Ion Ratio Lower Upper
 96 100
 61 189.3 141.2 211.8
 98 67.3 49.9 74.9





#13

Acrolein

Concen: 14.150 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

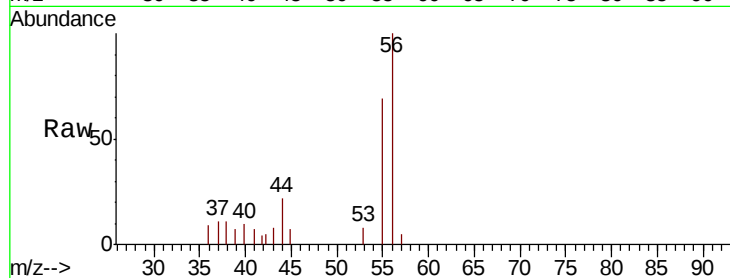
VN0914WBS03

Tgt Ion: 56 Resp: 9345

Ion Ratio Lower Upper

56 100

55 80.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

4000

3000

2000

1000

0

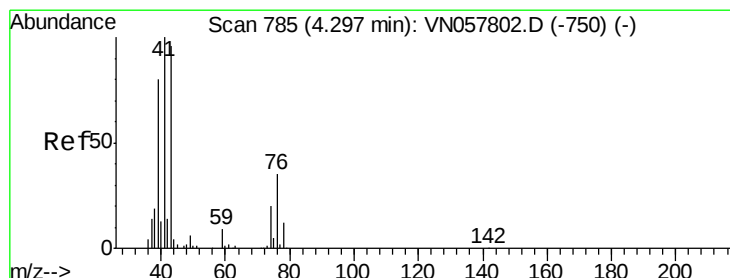
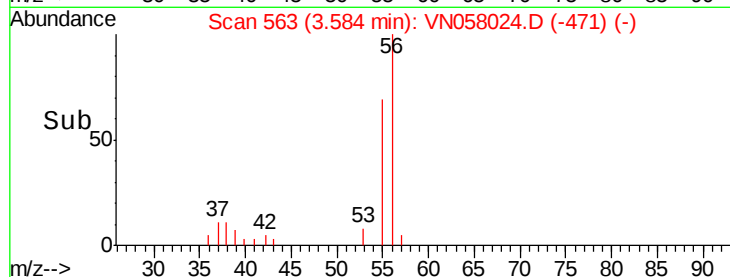
Time-->

3.50

3.55

3.60

3.65



#14

Allyl chloride

Concen: 18.161 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

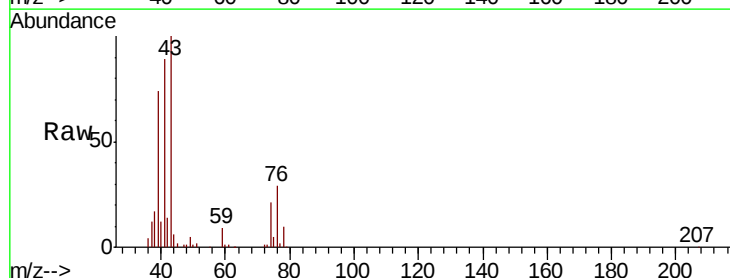
Tgt Ion: 41 Resp: 120177

Ion Ratio Lower Upper

41 100

39 77.7 59.4 89.2

76 31.8 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

50000

40000

30000

20000

10000

0

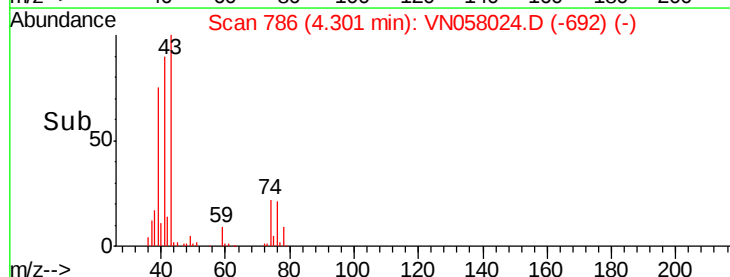
Time-->

4.10

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 103.744 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

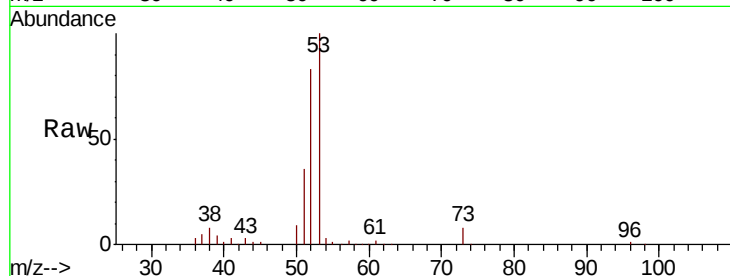
Tgt Ion: 53 Resp: 221971

Ion Ratio Lower Upper

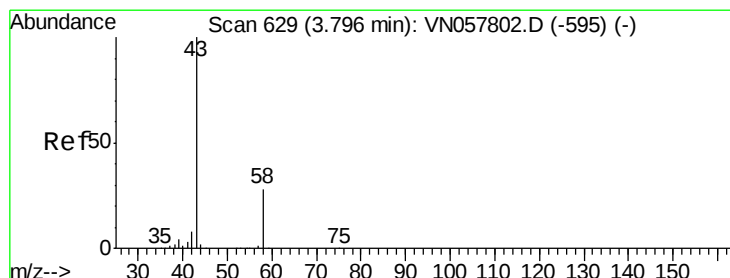
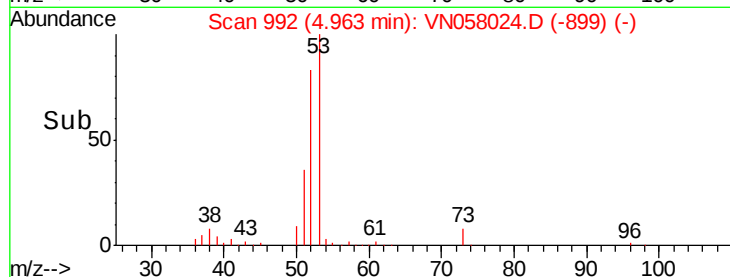
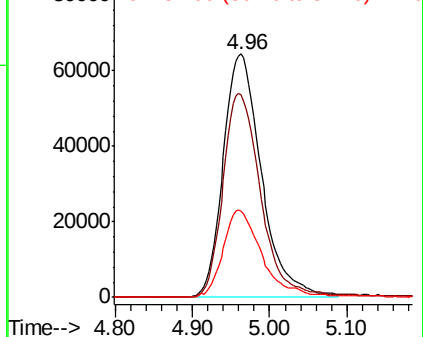
53 100

52 82.1 66.6 100.0

51 36.3 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 89.029 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058024.D

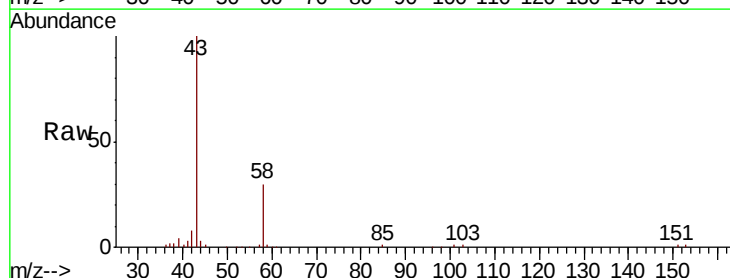
Acq: 13 Sep 2019 18:17

Tgt Ion: 43 Resp: 187710

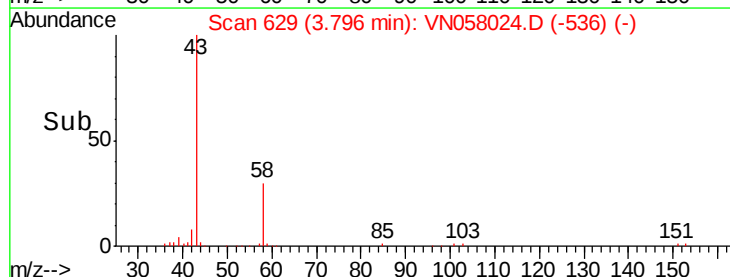
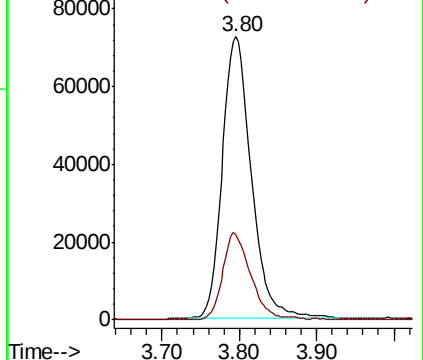
Ion Ratio Lower Upper

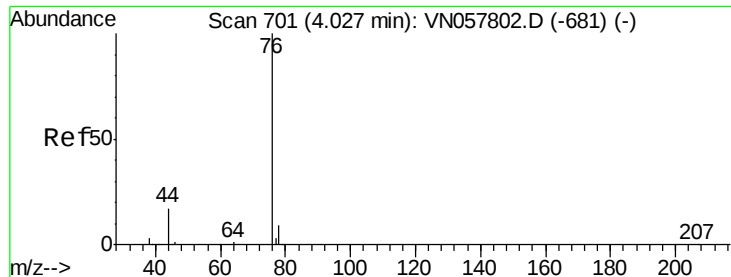
43 100

58 30.1 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

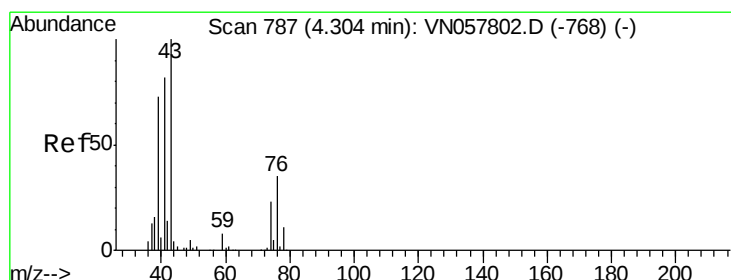
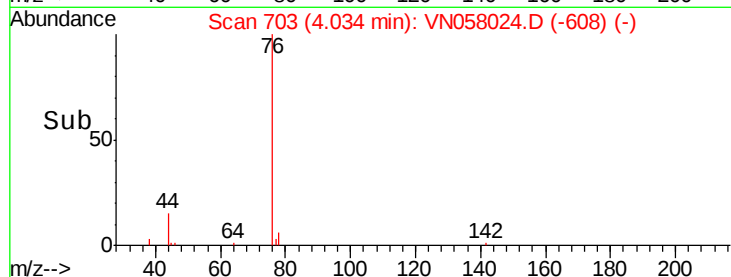
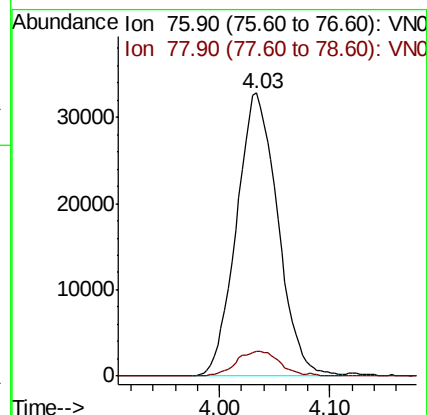
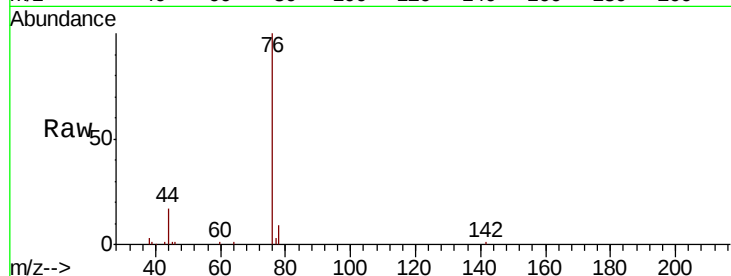




#17
Carbon Disulfide
Concen: 16.256 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

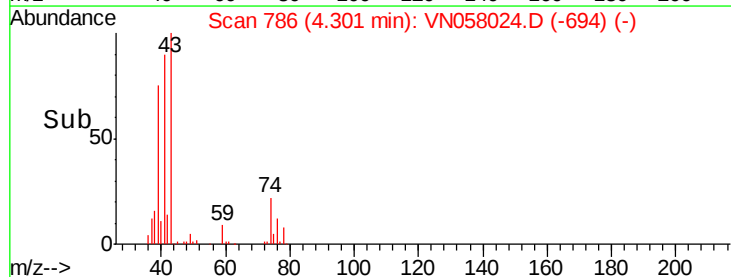
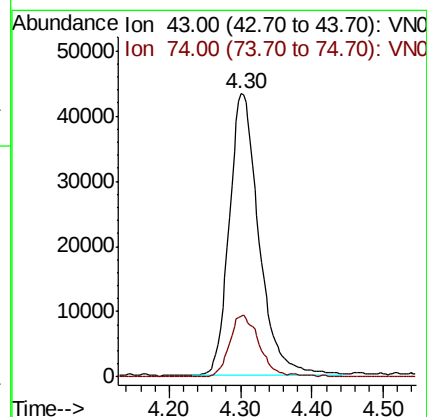
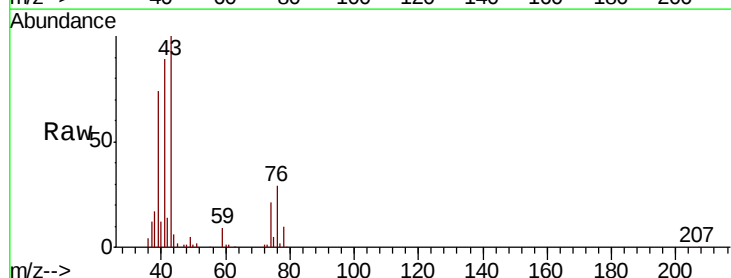
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

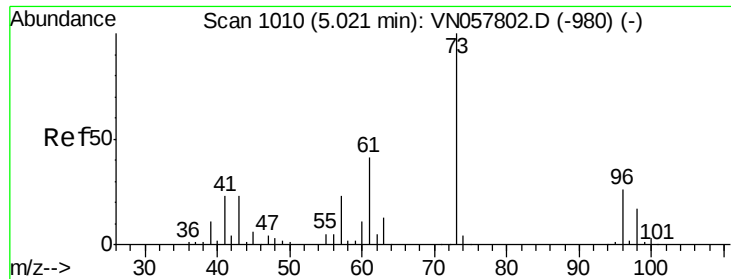
Tgt Ion: 76 Resp: 84984
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7



#18
Methyl Acetate
Concen: 22.288 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 43 Resp: 125295
Ion Ratio Lower Upper
43 100
74 21.6 17.9 26.9

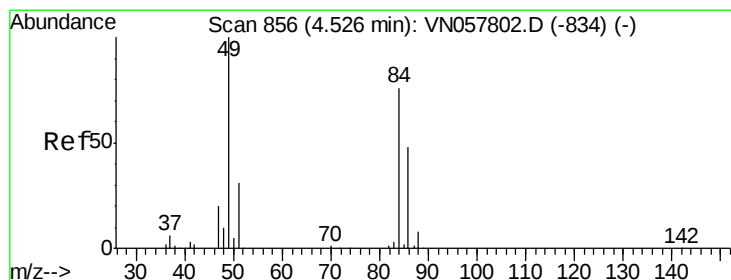
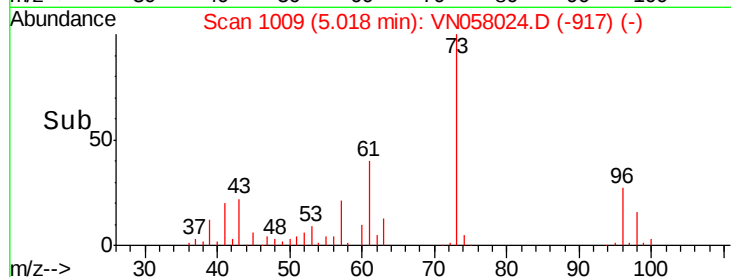
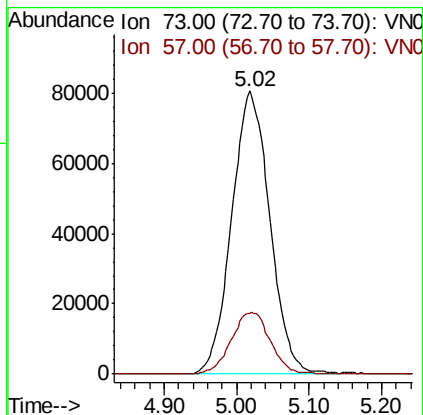
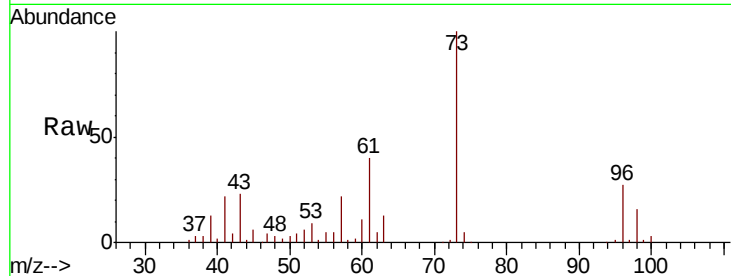




#19
Methyl tert-butyl Ether
Concen: 20.953 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

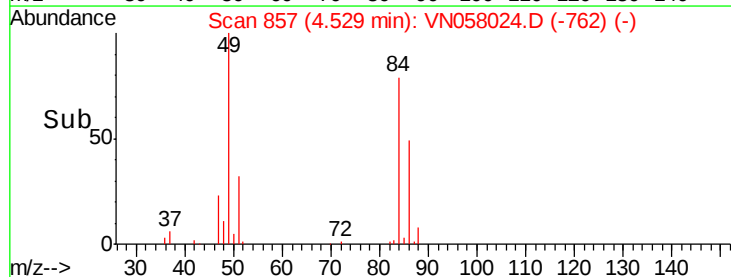
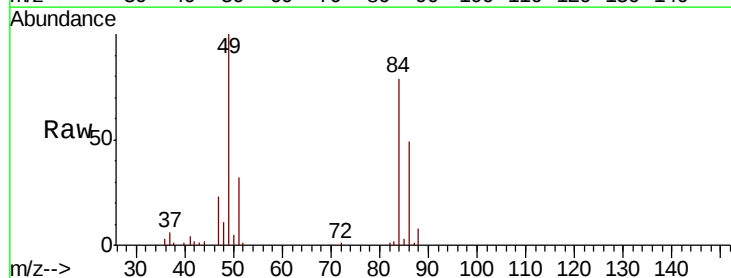
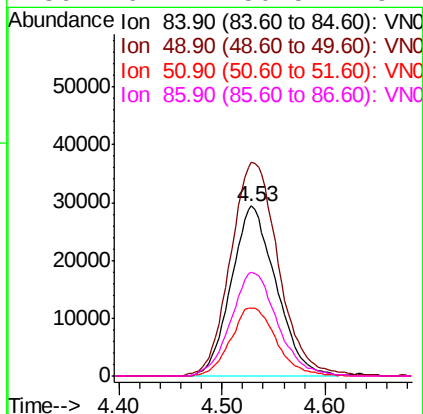
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

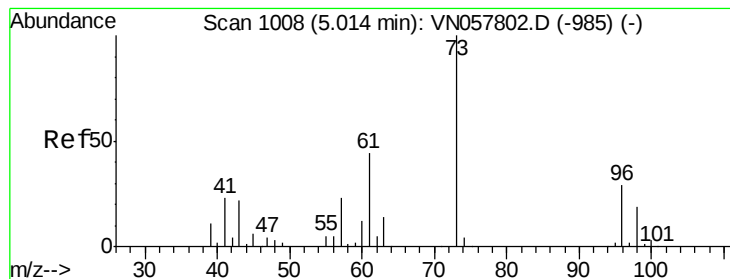
Tgt Ion: 73 Resp: 294841
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2



#20
Methylene Chloride
Concen: 21.381 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 84 Resp: 88648
Ion Ratio Lower Upper
84 100
49 124.5 104.8 157.2
51 40.2 33.0 49.4
86 61.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.827 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

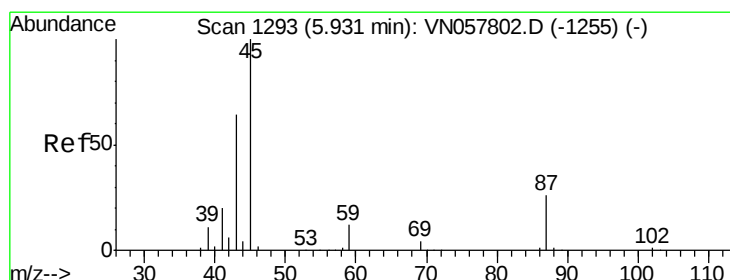
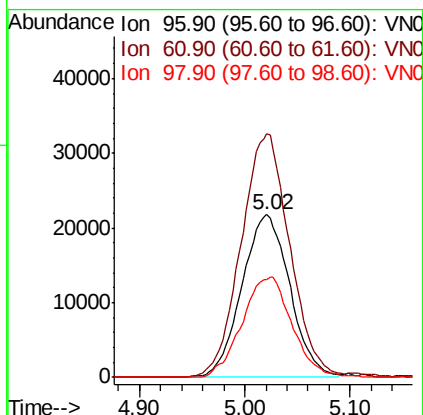
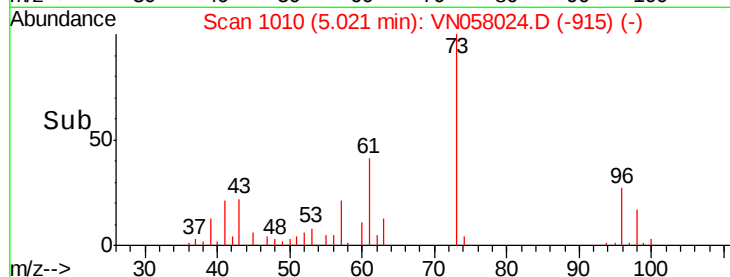
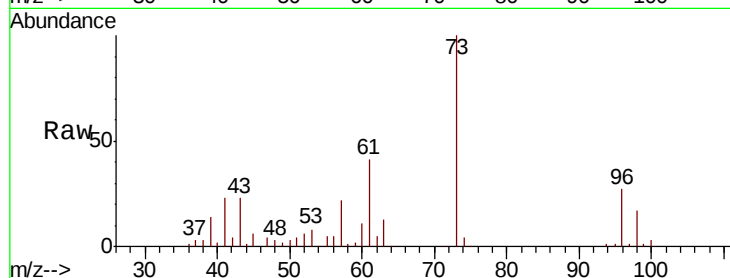
Tgt Ion: 96 Resp: 68815

Ion Ratio Lower Upper

96 100

61 149.6 121.9 182.9

98 60.3 52.2 78.4



#22

Diisopropyl ether

Concen: 20.836 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion: 45 Resp: 323333

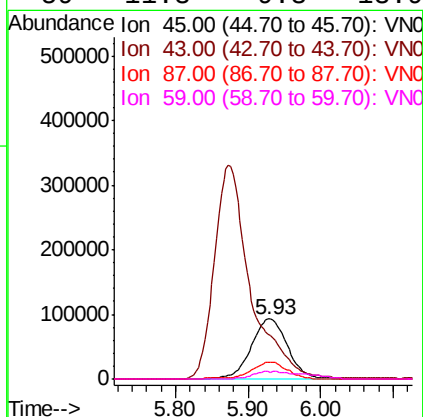
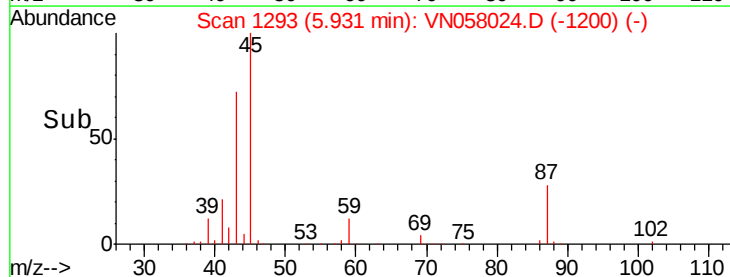
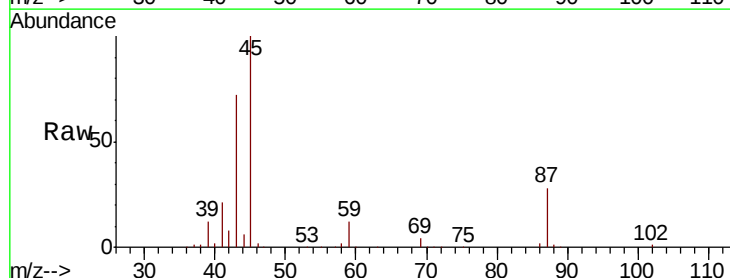
Ion Ratio Lower Upper

45 100

43 69.6 51.4 77.2

87 27.5 21.3 31.9

59 11.3 9.3 13.9

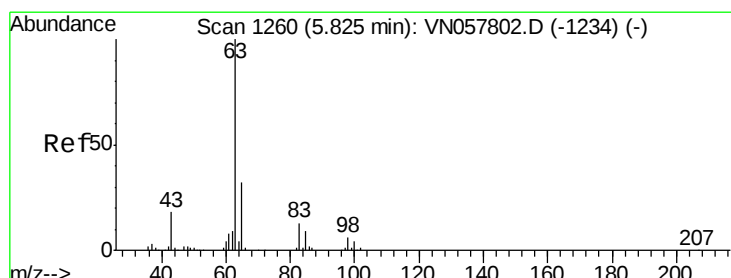
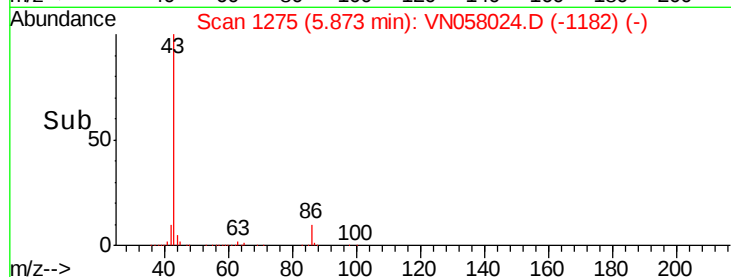
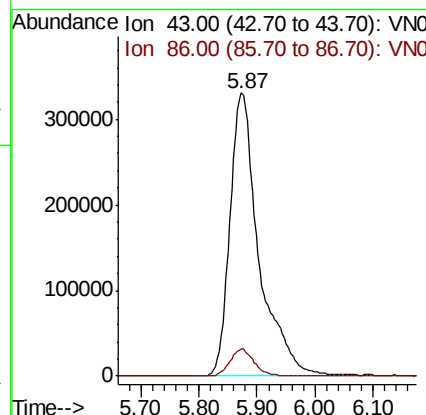
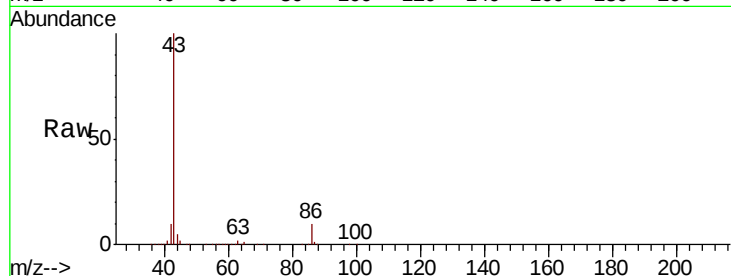




#23
 Vinyl Acetate
 Concen: 104.497 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

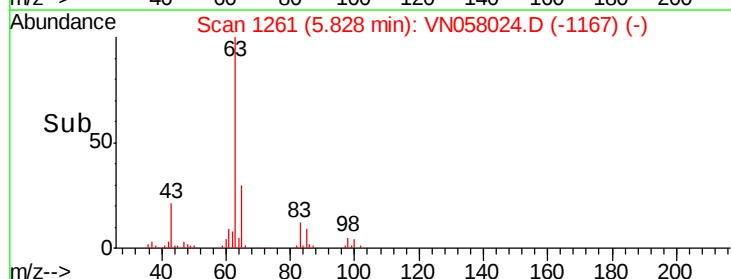
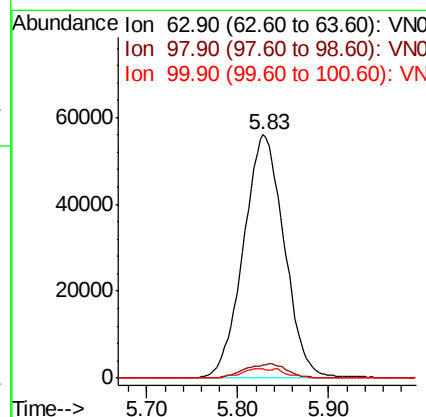
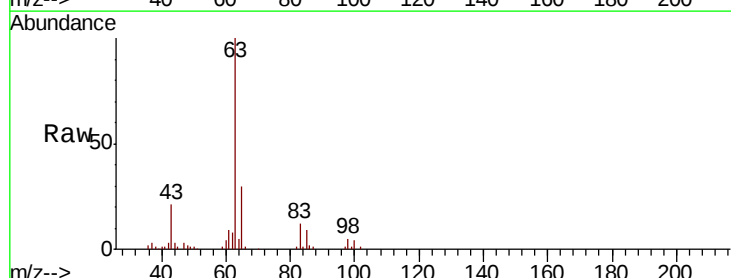
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

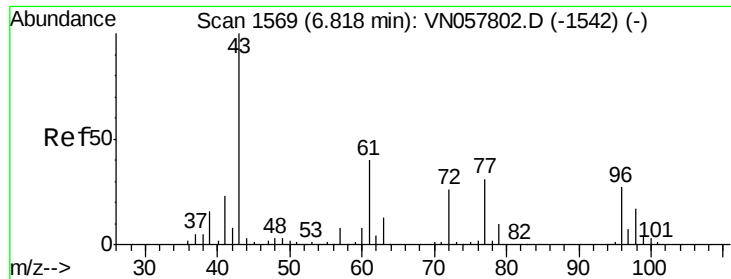
Tgt Ion: 43 Resp: 1149213
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 20.530 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 63 Resp: 174111
 Ion Ratio Lower Upper
 63 100
 98 5.2 3.0 9.2
 100 3.6 2.0 5.8





#25

2-Butanone

Concen: 98.029 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

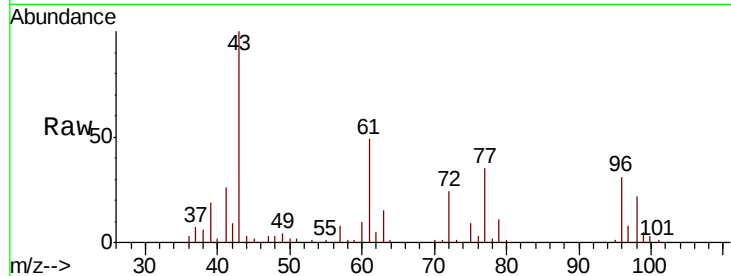
VN0914WBS03

Tgt Ion: 43 Resp: 299146

Ion Ratio Lower Upper

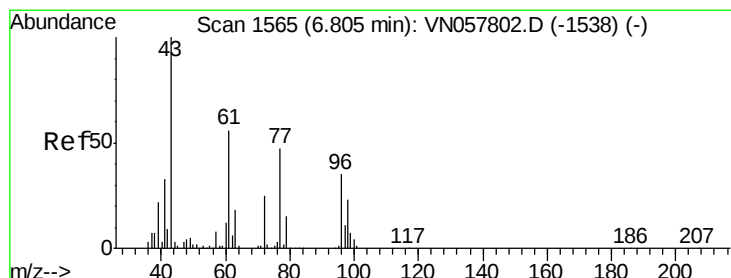
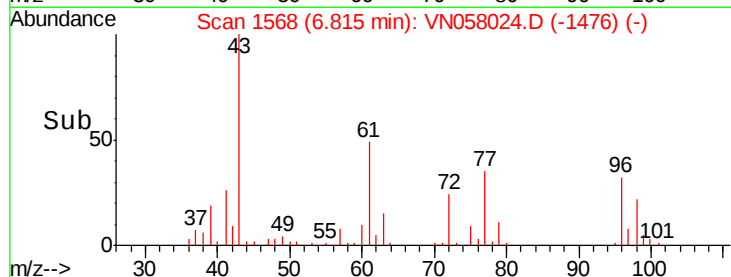
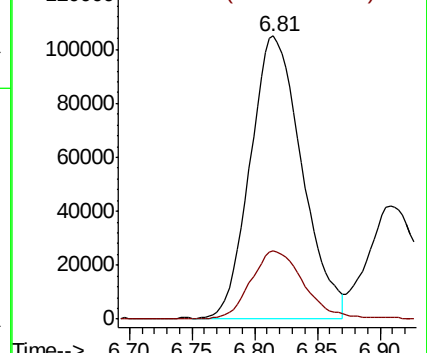
43 100

72 24.3 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN057802.D (-1542) (-)



#26

2,2-Dichloropropane

Concen: 18.776 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058024.D

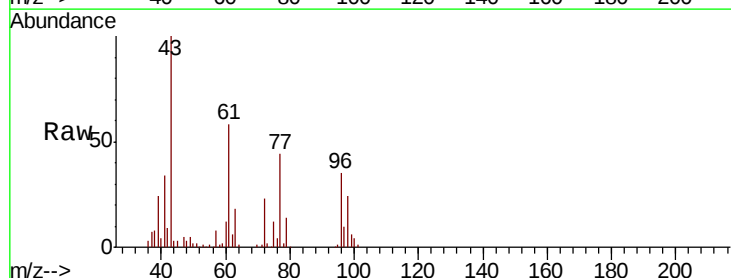
Acq: 13 Sep 2019 18:17

Tgt Ion: 77 Resp: 126018

Ion Ratio Lower Upper

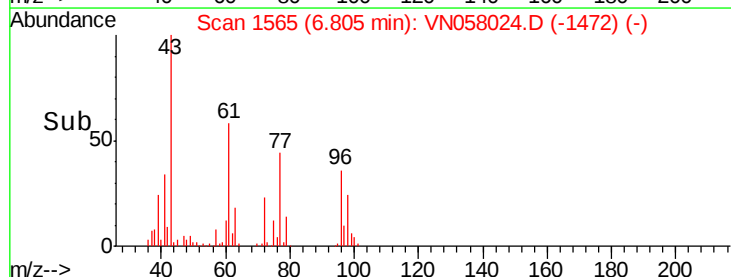
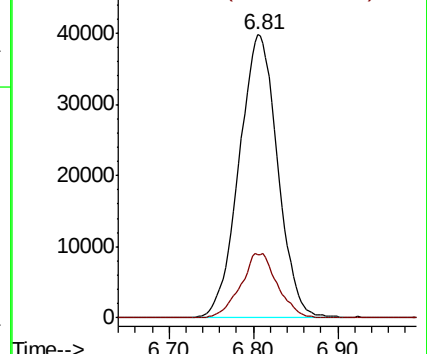
77 100

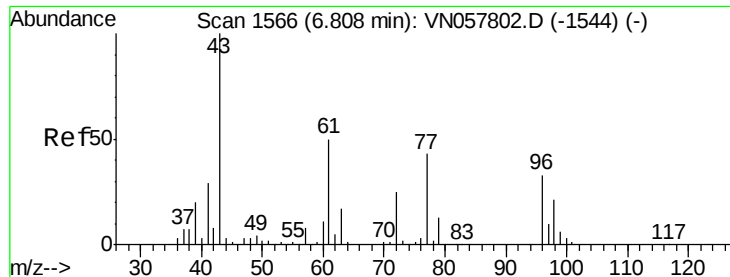
97 21.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN057802.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN057802.D (-1538) (-)





#27

cis-1,2-Dichloroethene

Concen: 20.055 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

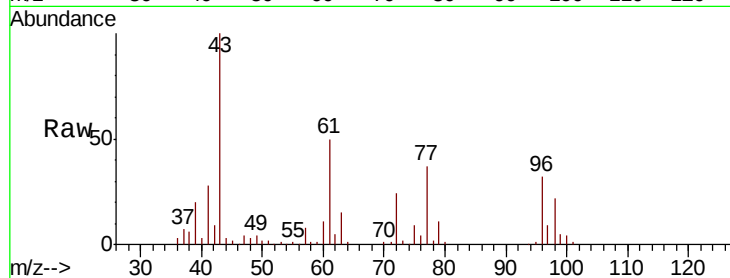
Tgt Ion: 96 Resp: 98238

Ion Ratio Lower Upper

96 100

61 161.2 0.0 314.0

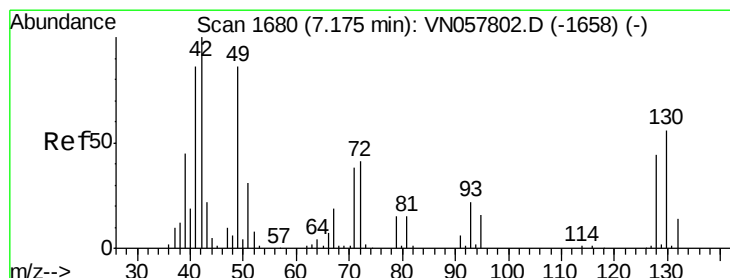
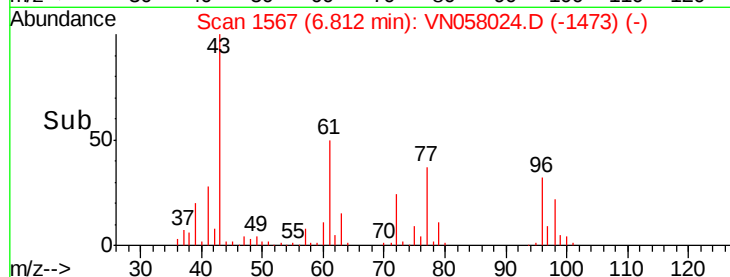
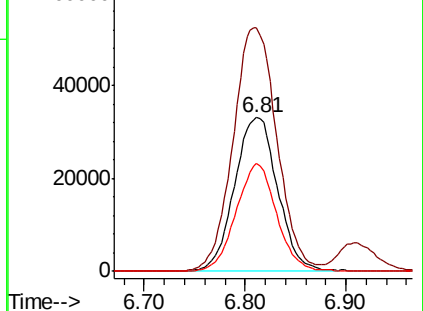
98 66.0 0.0 128.6



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: 22.101 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

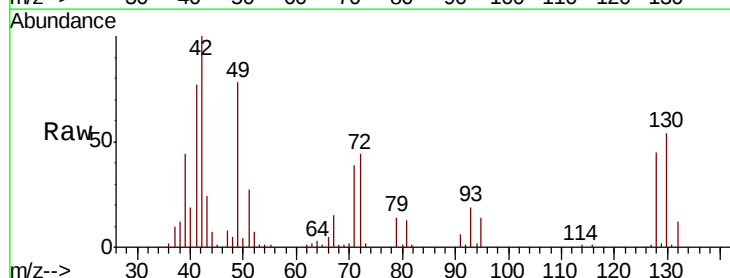
Tgt Ion: 49 Resp: 93642

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.8

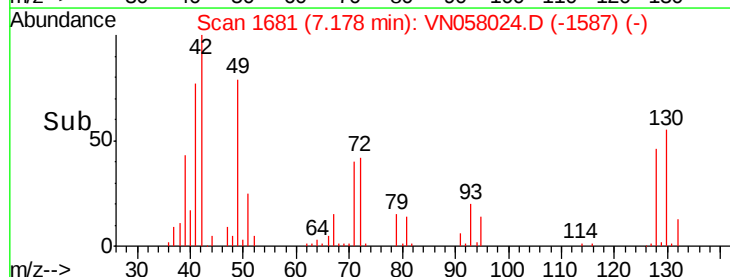
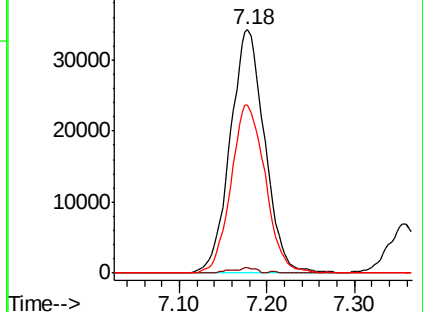
130 68.6 53.0 79.6

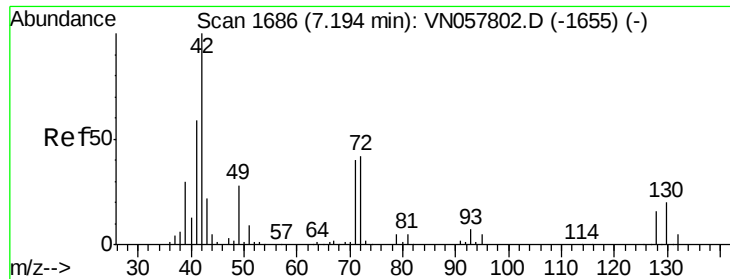


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

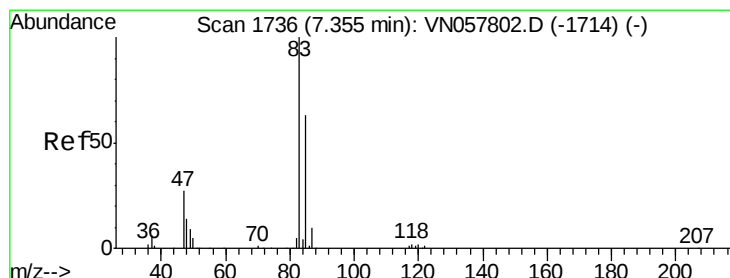
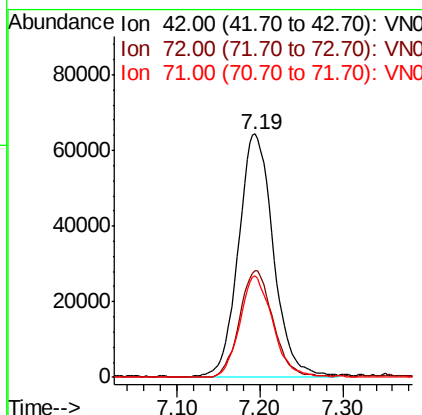
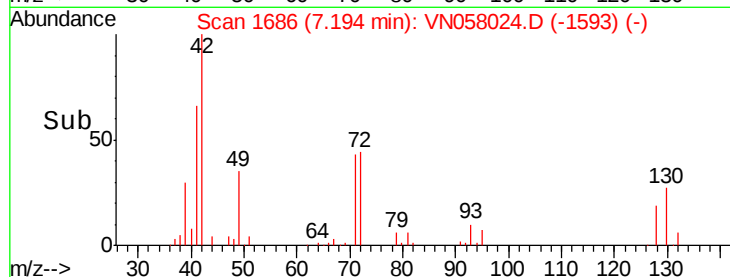
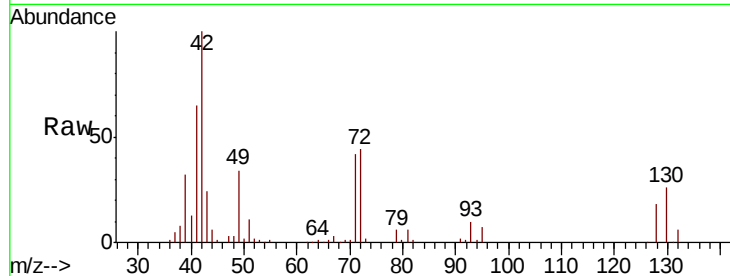




#29
Tetrahydrofuran
Concen: 99.634 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

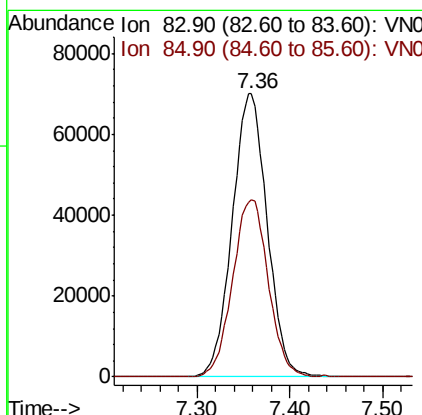
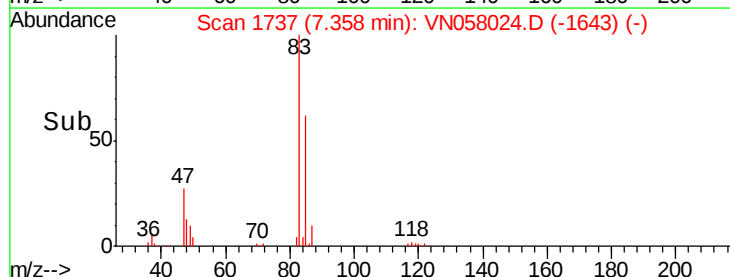
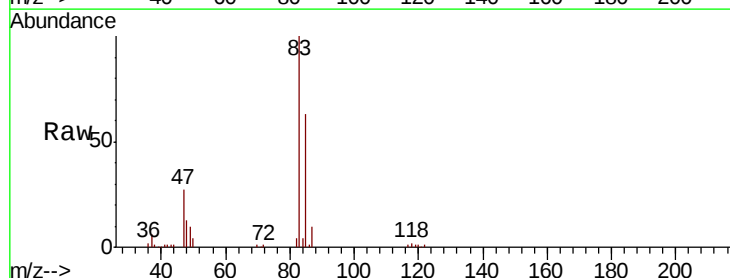
Instrument :
MSVOA_N
ClientSampled :
VN0914WBS03

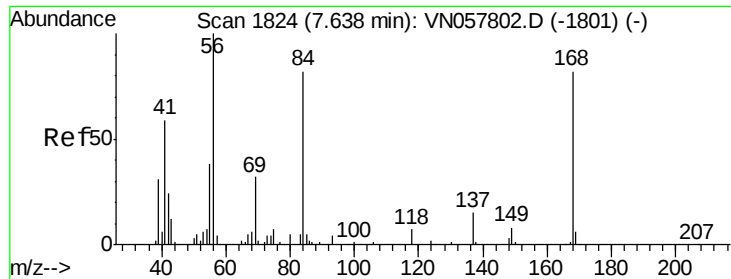
Tgt Ion: 42 Resp: 187353
Ion Ratio Lower Upper
42 100
72 42.3 33.7 50.5
71 39.6 31.9 47.9



#30
Chloroform
Concen: 20.649 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 83 Resp: 183104
Ion Ratio Lower Upper
83 100
85 62.6 50.6 75.8

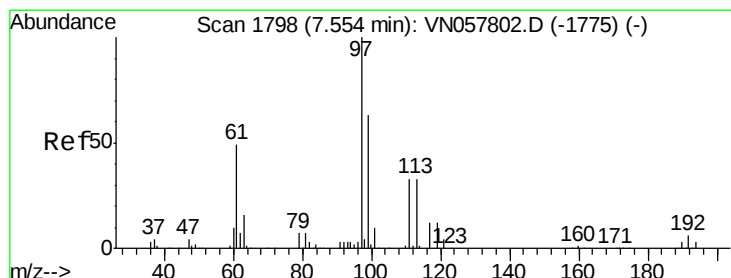
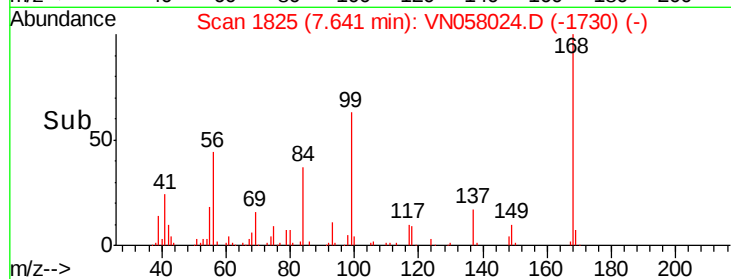
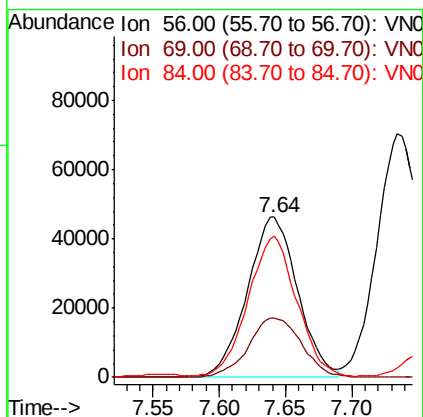
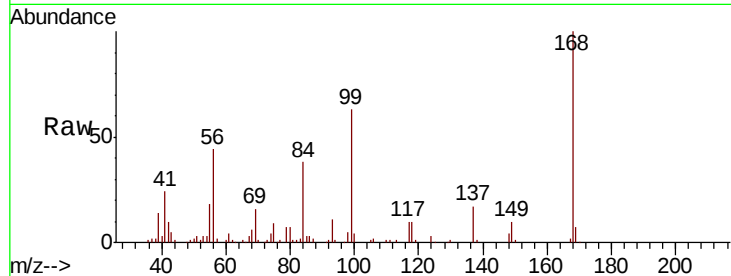




#31
Cyclohexane
Concen: 19.906 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

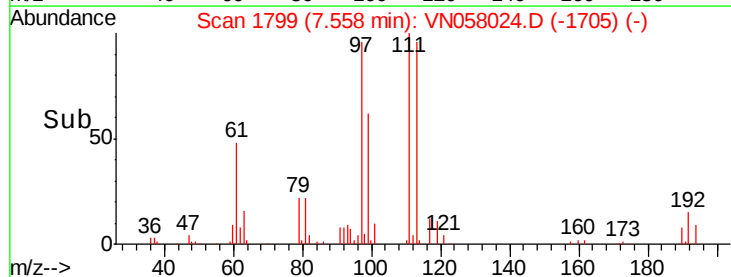
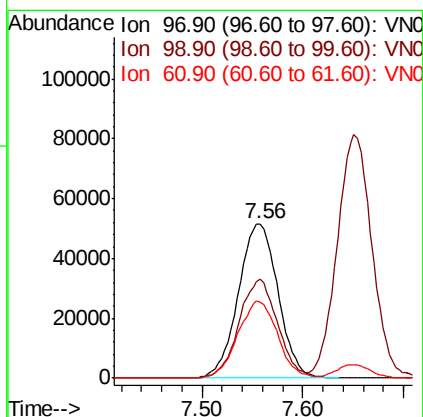
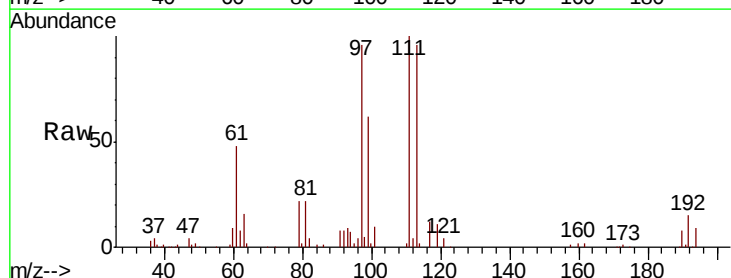
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tgt Ion: 56 Resp: 122826
Ion Ratio Lower Upper
56 100
69 36.9 25.9 38.9
84 87.0 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 19.979 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 97 Resp: 140513
Ion Ratio Lower Upper
97 100
99 62.0 51.0 76.4
61 50.5 39.0 58.6

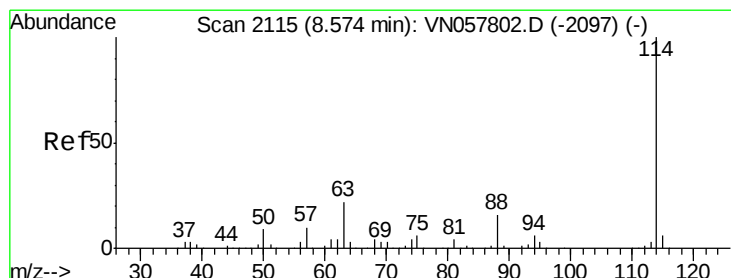
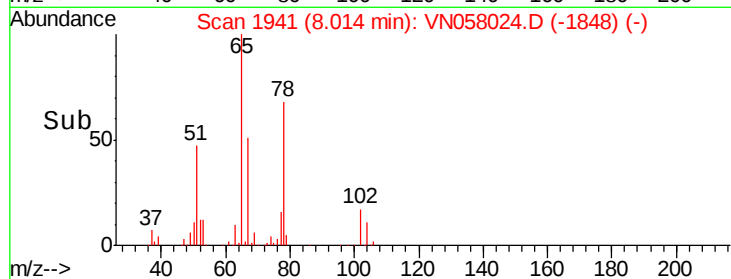
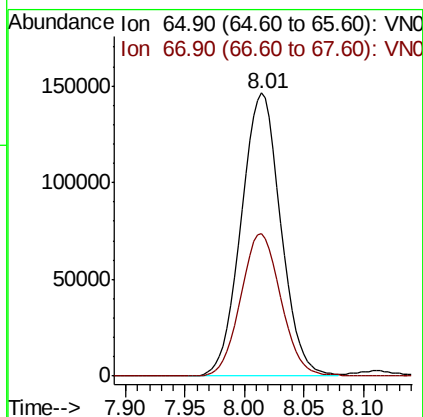
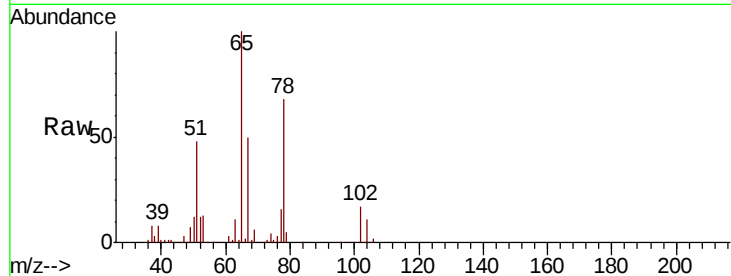




#33
 1,2-Dichloroethane-d4
 Concen: 52.458 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

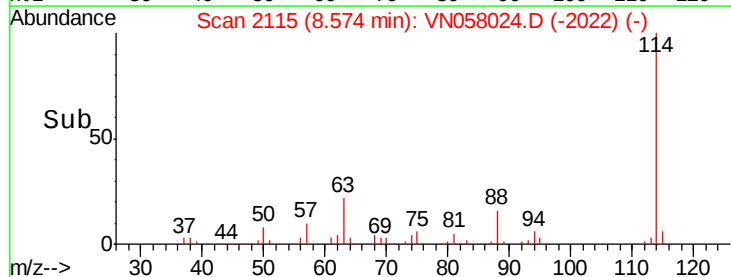
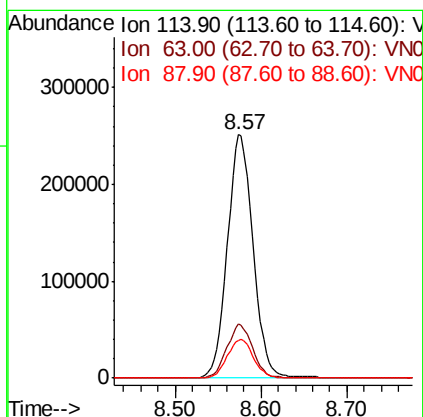
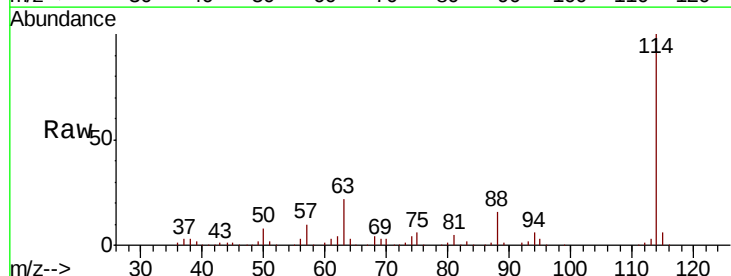
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tgt Ion: 65 Resp: 337390
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 114 Resp: 521922
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.0
 88 15.6 0.0 31.4

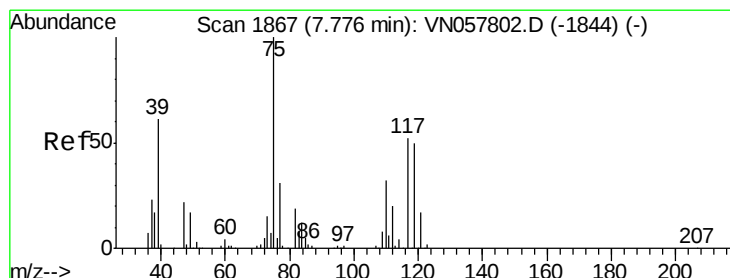
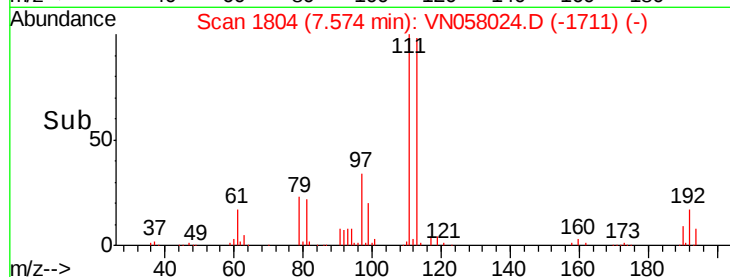
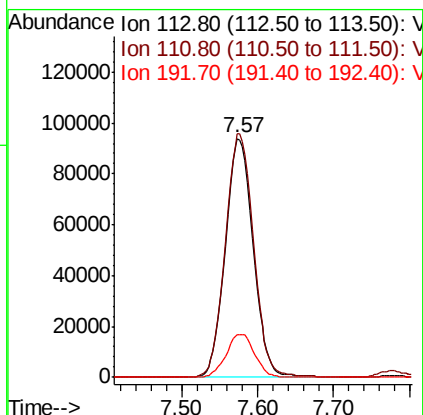
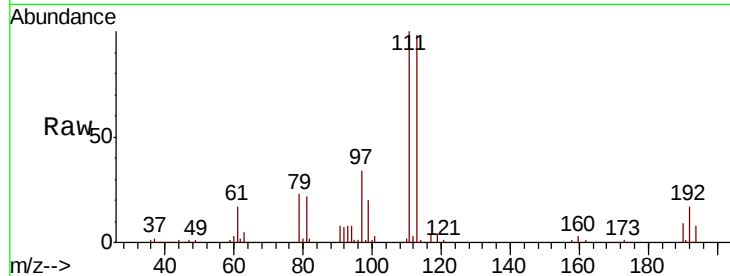




#35
 Dibromofluoromethane
 Concen: 49.943 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

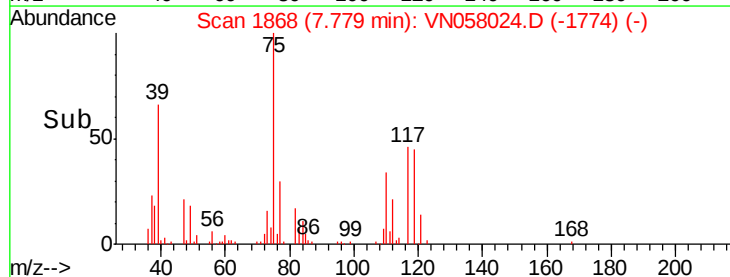
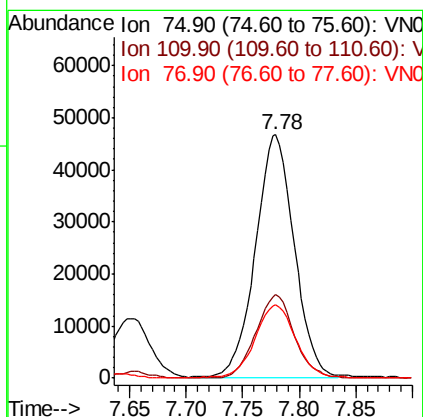
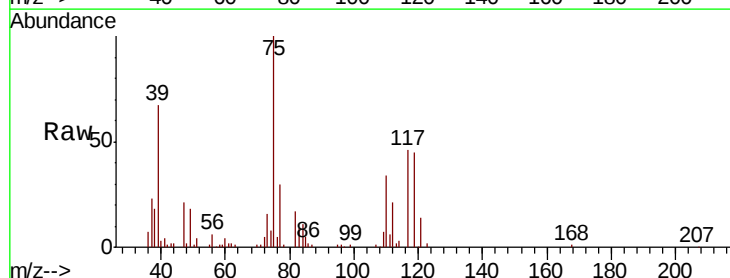
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tgt Ion: 113 Resp: 240581
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.3 121.9
 192 18.4 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 18.207 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 75 Resp: 110207
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.3 48.9
 77 31.8 25.0 37.4

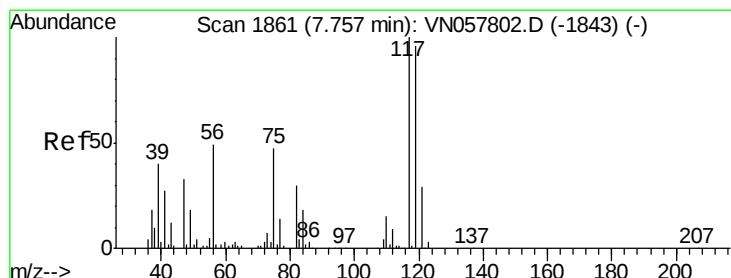
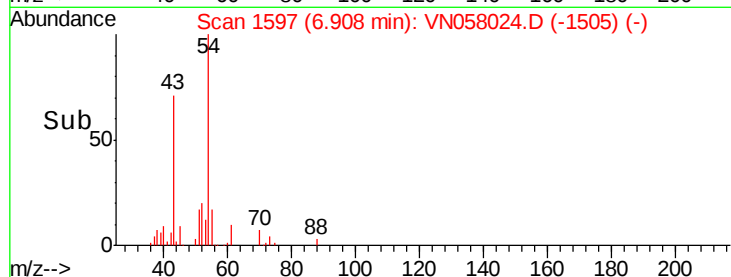
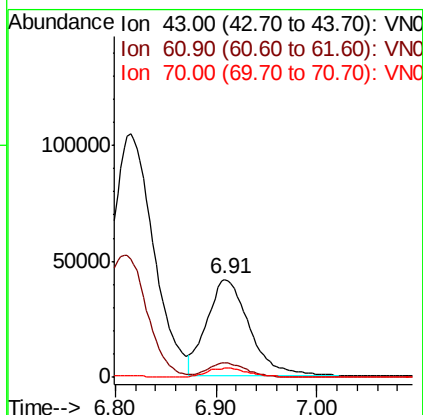
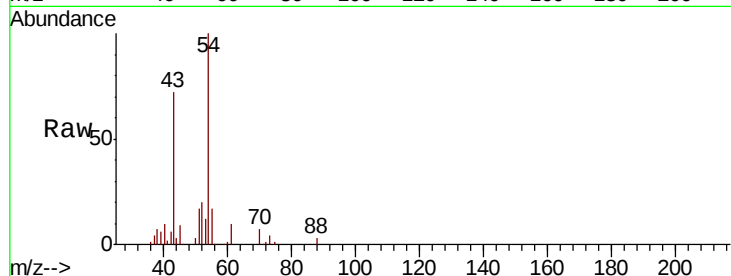




#37
Ethyl Acetate
Concen: 19.427 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

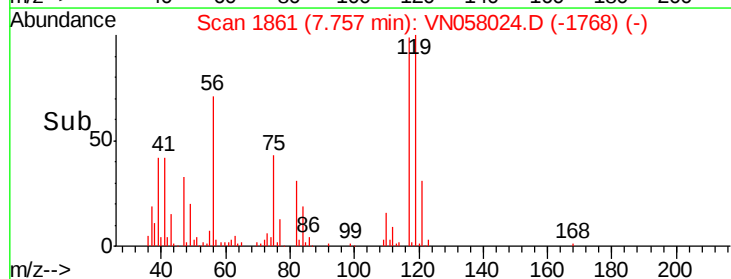
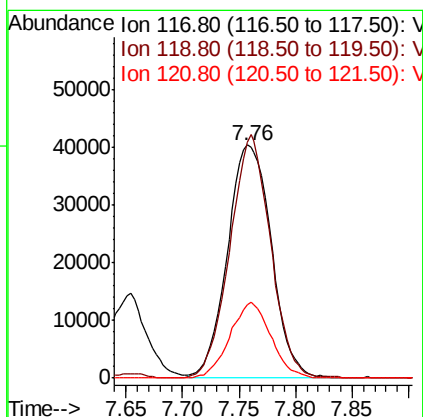
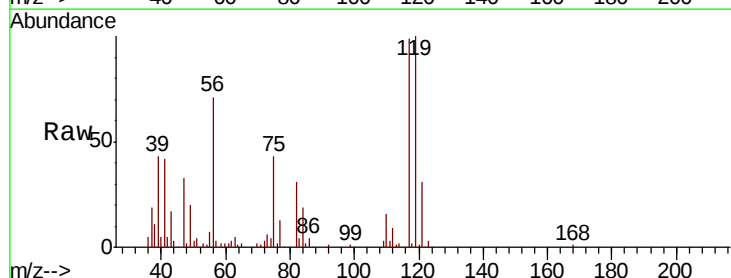
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

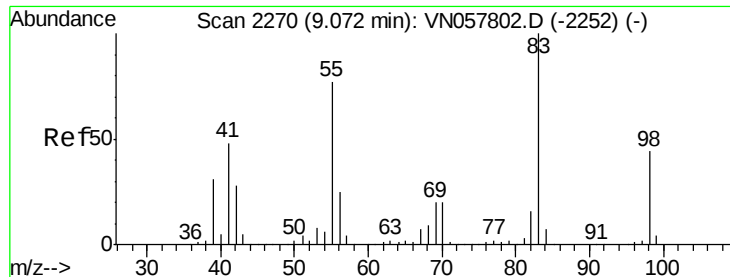
Tgt Ion: 43 Resp: 121491
Ion Ratio Lower Upper
43 100
61 12.4 10.5 15.7
70 9.6 7.4 11.0



#38
Carbon Tetrachloride
Concen: 19.711 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 117 Resp: 108928
Ion Ratio Lower Upper
117 100
119 100.8 76.9 115.3
121 31.6 23.4 35.2

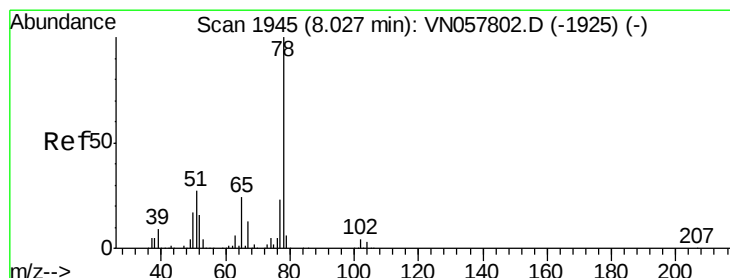
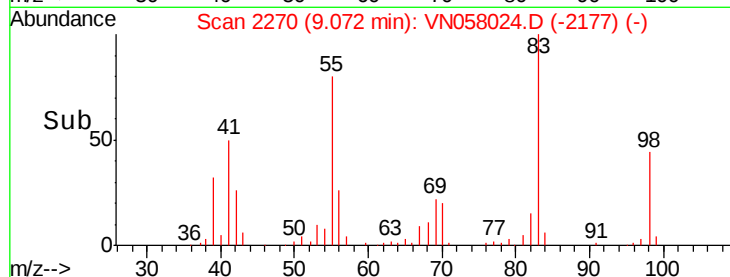
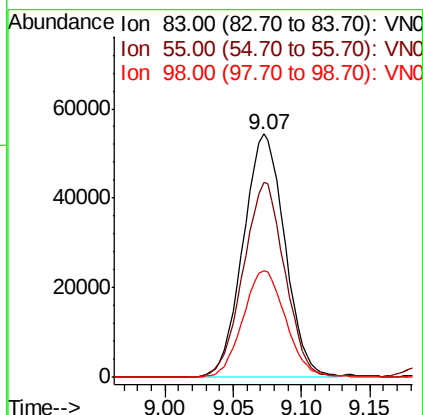
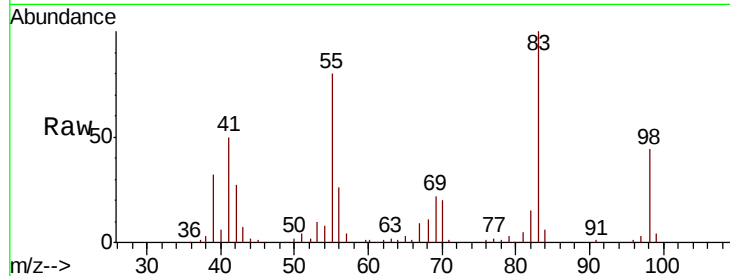




#39
Methylcyclohexane
Concen: 18.157 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

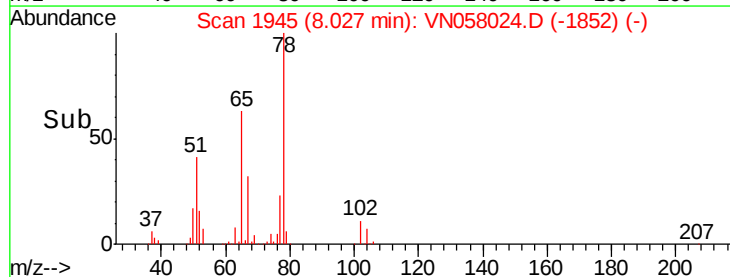
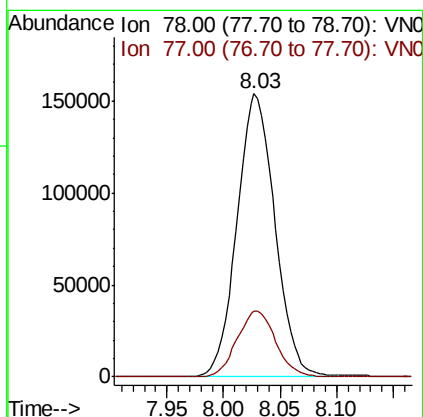
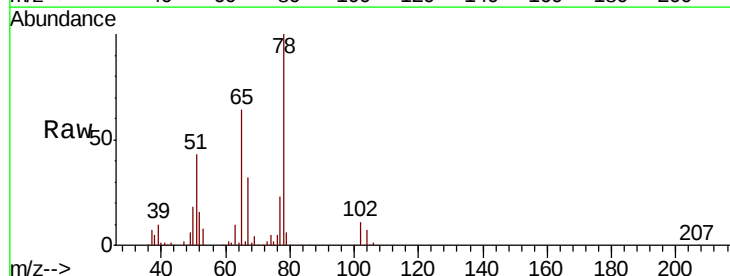
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

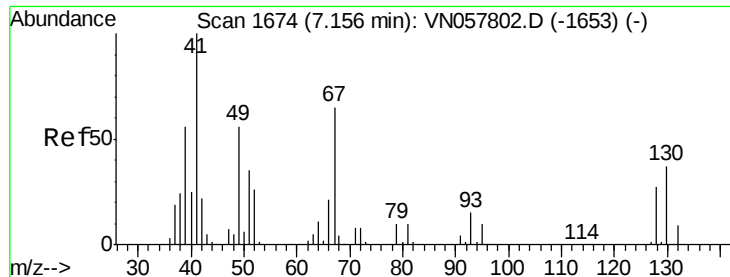
Tgt Ion: 83 Resp: 115534
Ion Ratio Lower Upper
83 100
55 79.8 61.6 92.4
98 44.0 34.9 52.3



#40
Benzene
Concen: 19.727 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 78 Resp: 359484
Ion Ratio Lower Upper
78 100
77 23.1 18.3 27.5





#41

Methacrylonitrile

Concen: 63.752 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.04 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tgt Ion: 41 Resp: 180980

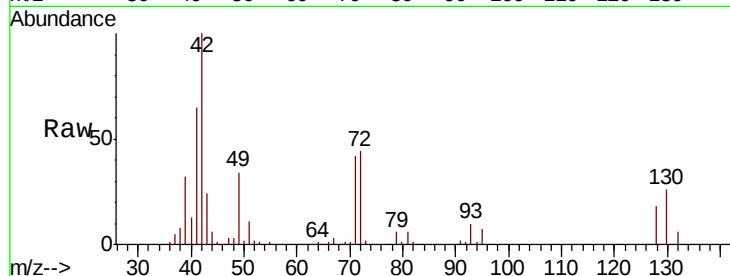
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

67 0.0 70.7 106.1#

52 0.0 30.8 46.2#

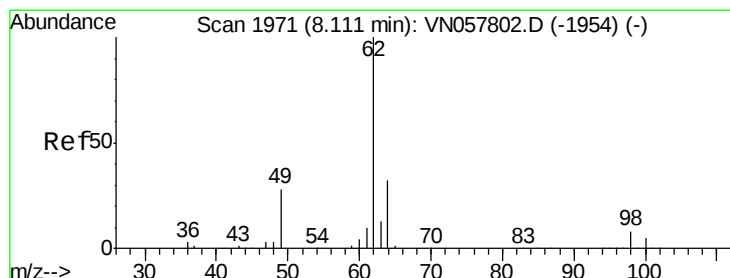
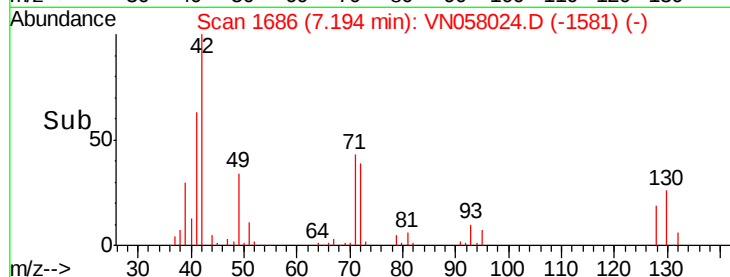
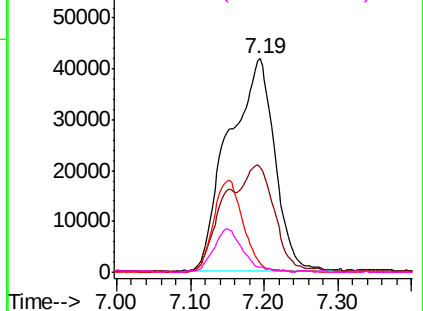


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.566 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058024.D

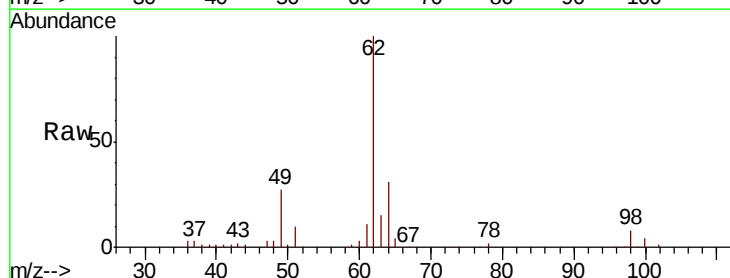
Acq: 13 Sep 2019 18:17

Tgt Ion: 62 Resp: 149891

Ion Ratio Lower Upper

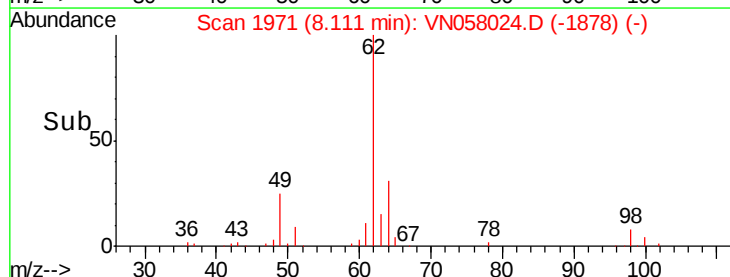
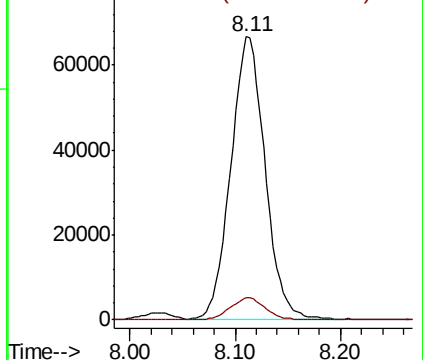
62 100

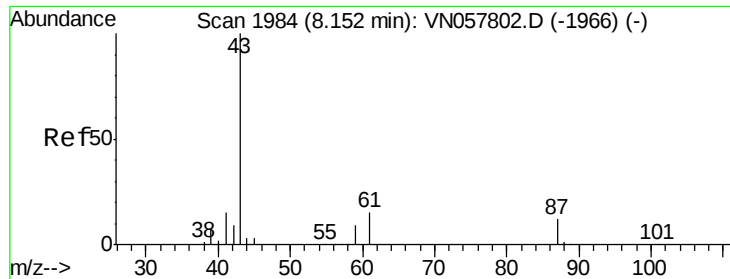
98 7.9 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.837 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

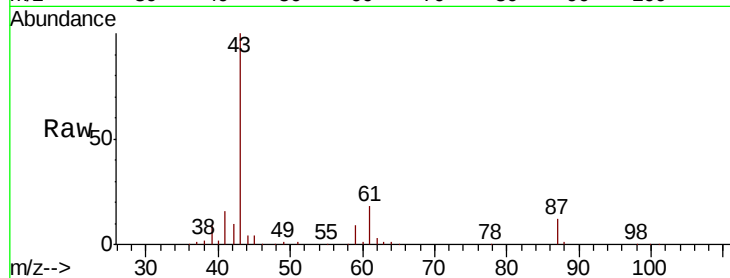
Tgt Ion: 43 Resp: 219144

Ion Ratio Lower Upper

43 100

61 17.7 20.1 30.1#

87 11.6 9.5 14.3

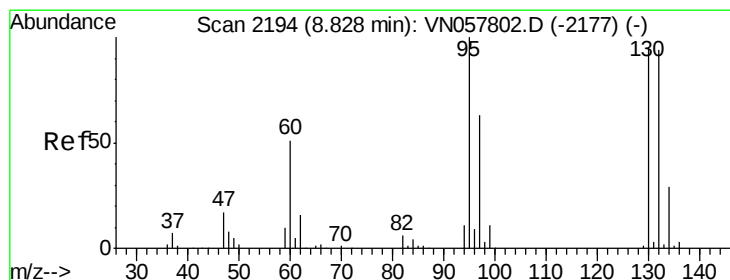
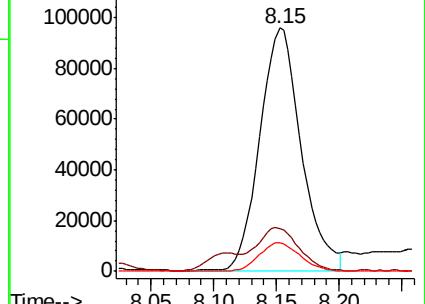
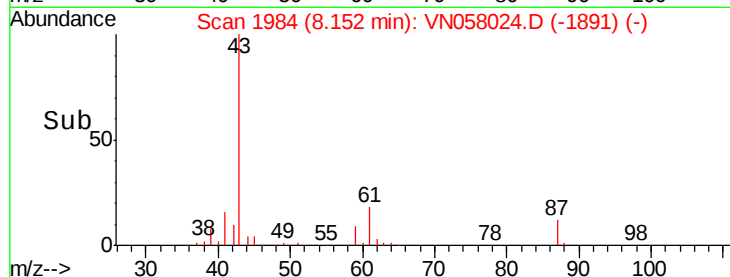


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 19.724 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058024.D

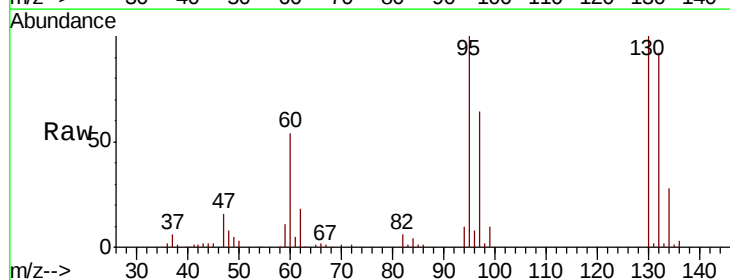
Acq: 13 Sep 2019 18:17

Tgt Ion: 130 Resp: 88160

Ion Ratio Lower Upper

130 100

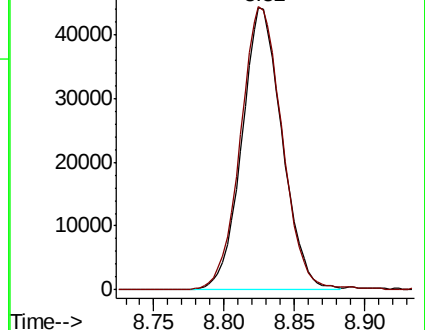
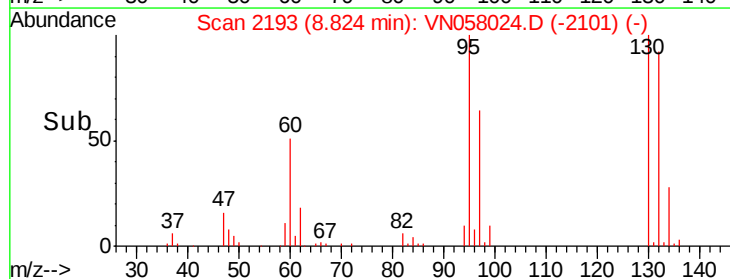
95 100.3 0.0 211.4

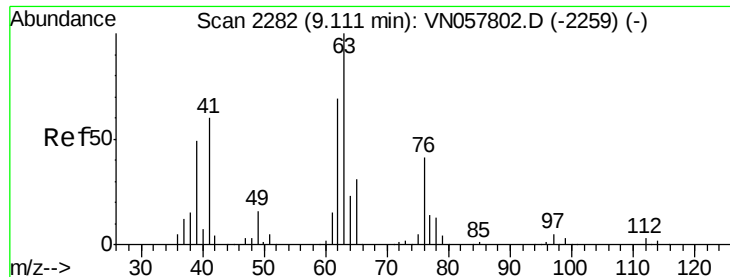


Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

Time-->

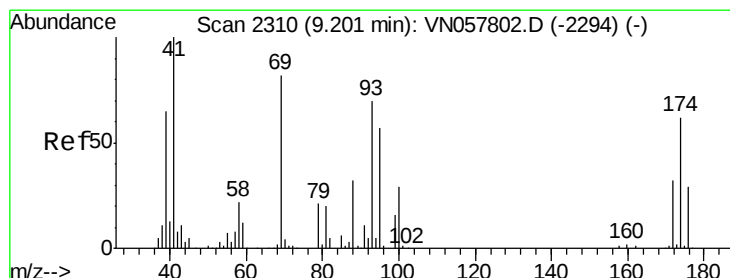
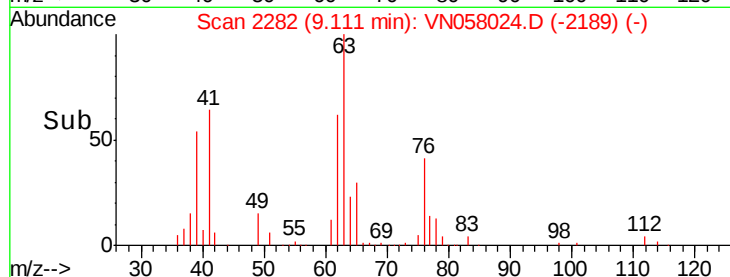
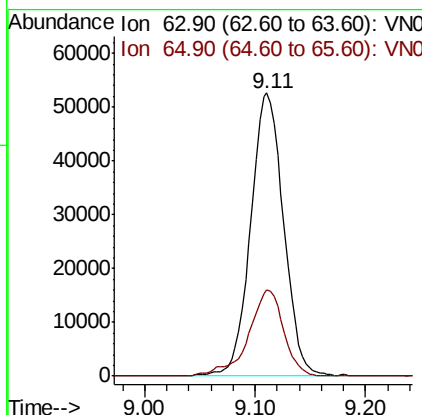
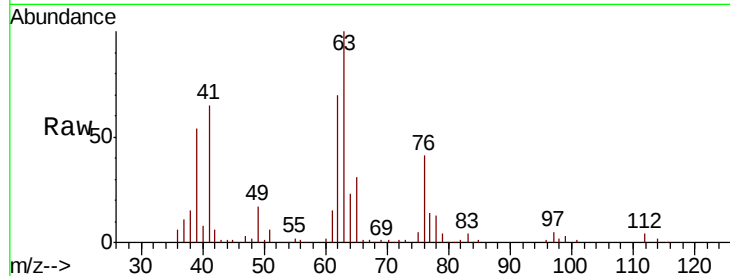




#45
 1,2-Dichloropropane
 Concen: 20.555 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

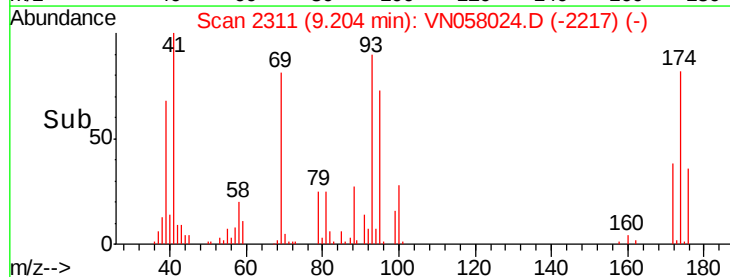
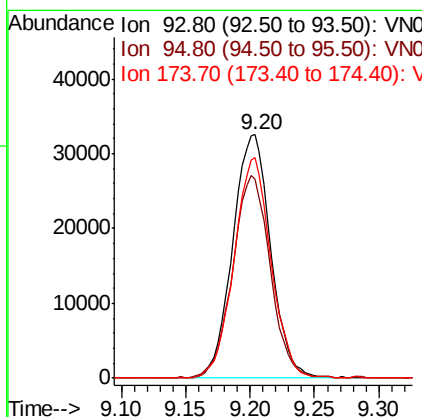
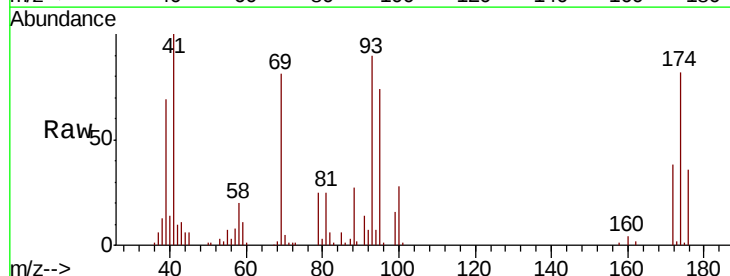
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

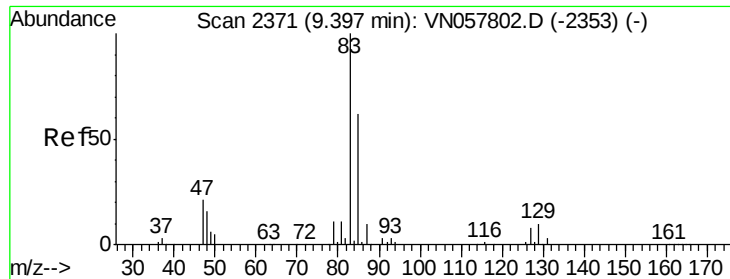
Tgt Ion: 63 Resp: 108997
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 20.764 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 93 Resp: 66533
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.9 98.9
 174 88.3 71.8 107.6





#47

Bromodichloromethane

Concen: 20.624 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

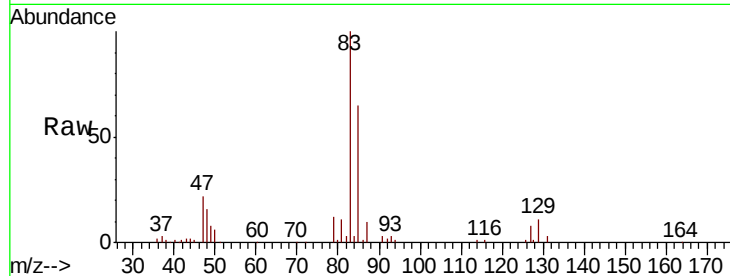
Tgt Ion: 83 Resp: 131968

Ion Ratio Lower Upper

83 100

85 64.8 49.9 74.9

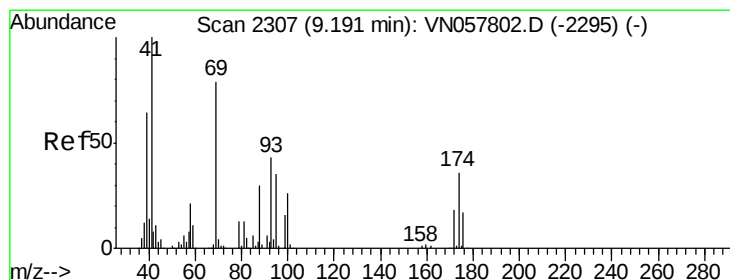
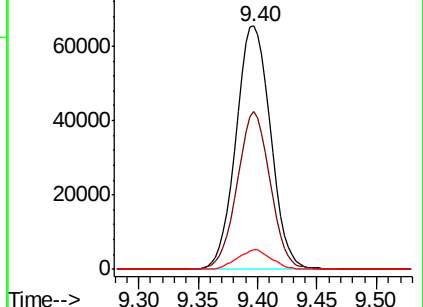
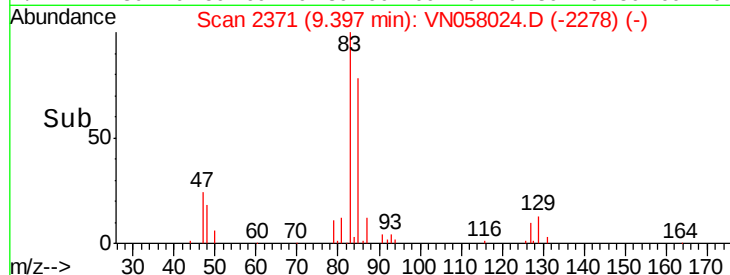
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058024.D (-2278) (-)

Ion 84.90 (84.60 to 85.60): VN058024.D (-2278) (-)

Ion 126.80 (126.50 to 127.50): VN058024.D (-2278) (-)



#48

Methyl methacrylate

Concen: 19.286 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

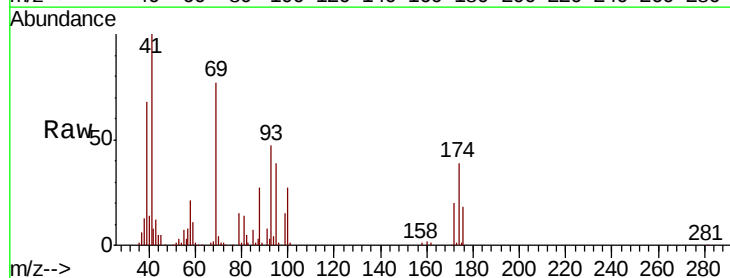
Tgt Ion: 41 Resp: 102886

Ion Ratio Lower Upper

41 100

69 79.2 62.7 94.1

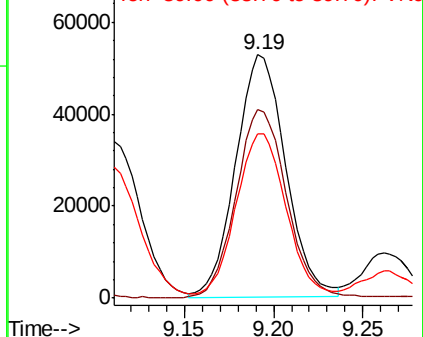
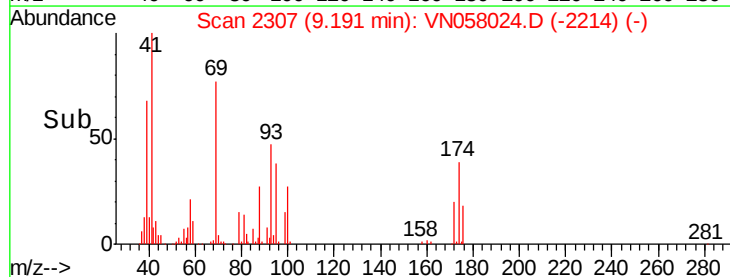
39 68.5 52.7 79.1

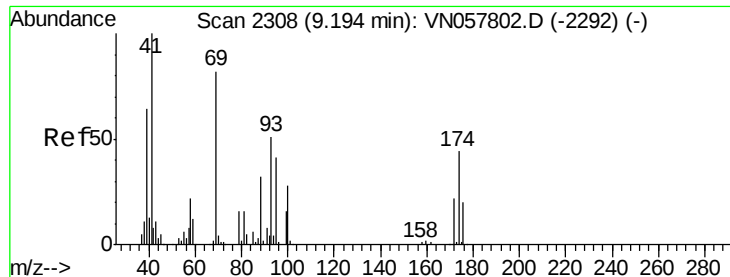


Abundance Ion 41.00 (40.70 to 41.70): VN058024.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058024.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058024.D (-2214) (-)

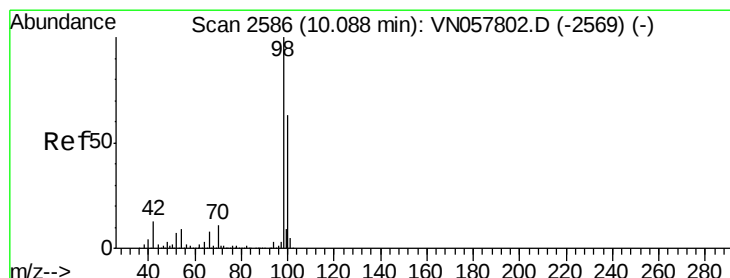
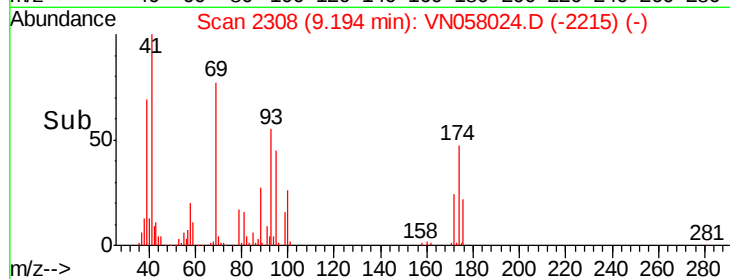
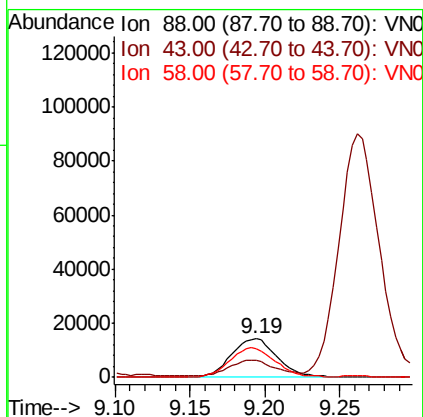
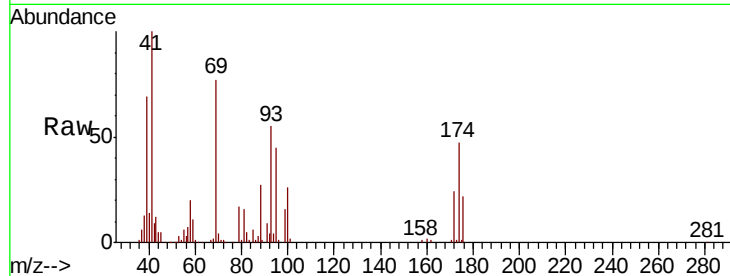




#49
 1,4-Dioxane
 Concen: 339.428 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

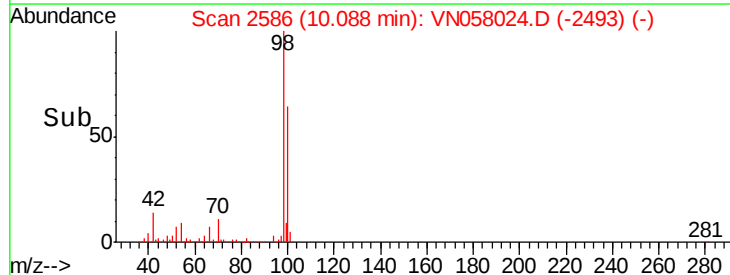
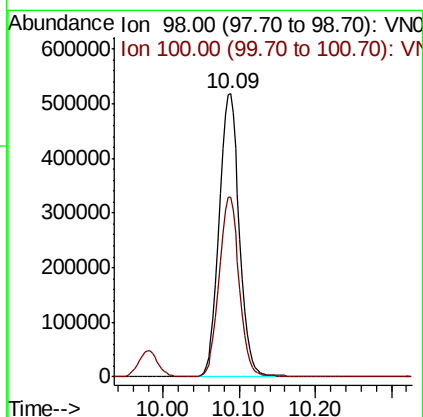
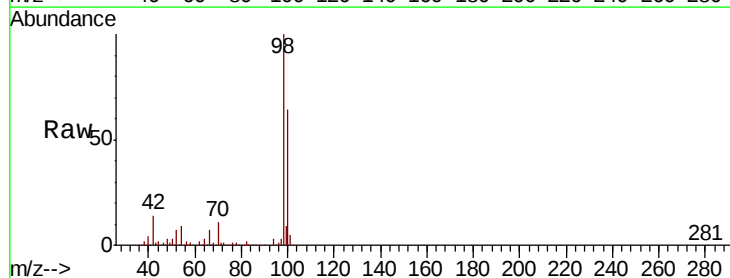
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

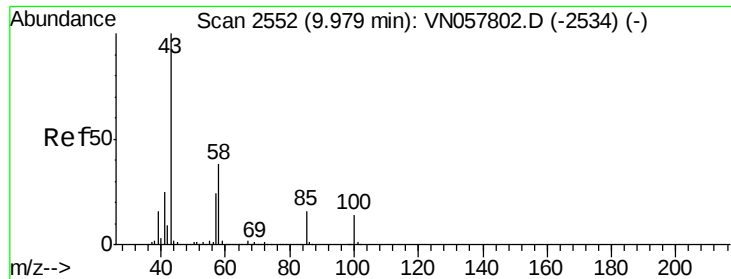
Tgt Ion: 88 Resp: 30622
 Ion Ratio Lower Upper
 88 100
 43 39.6 28.5 42.7
 58 76.1 55.8 83.6



#50
 Toluene-d8
 Concen: 51.260 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 98 Resp: 958692
 Ion Ratio Lower Upper
 98 100
 100 63.3 50.3 75.5

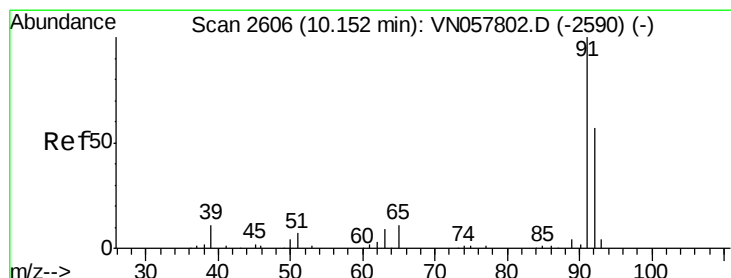
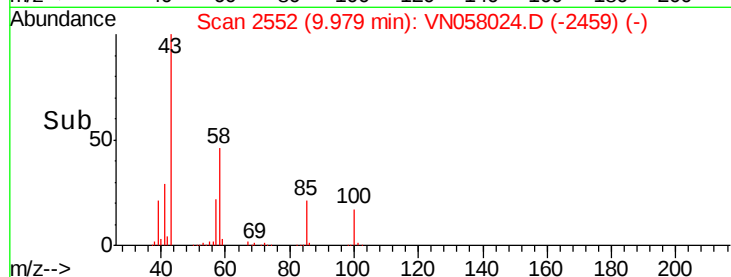
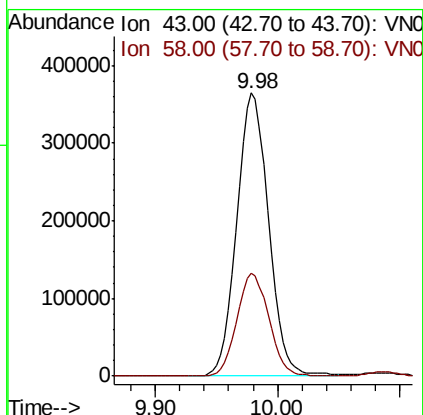
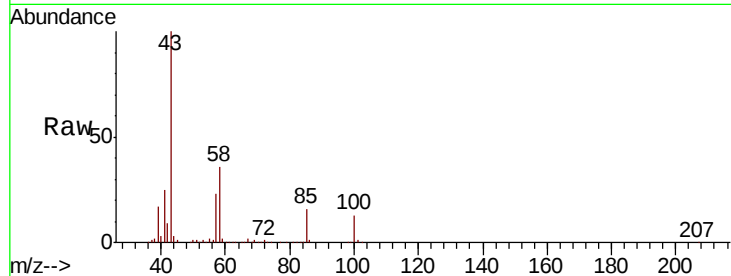




#51
 4-Methyl-2-Pentanone
 Concen: 104.877 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

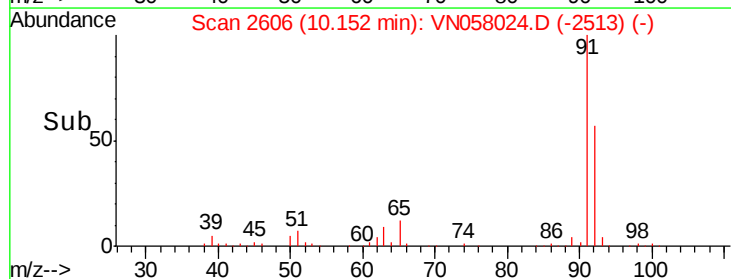
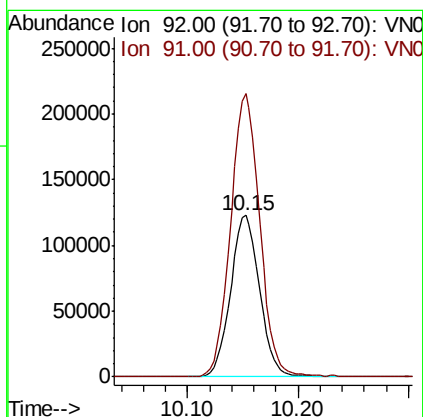
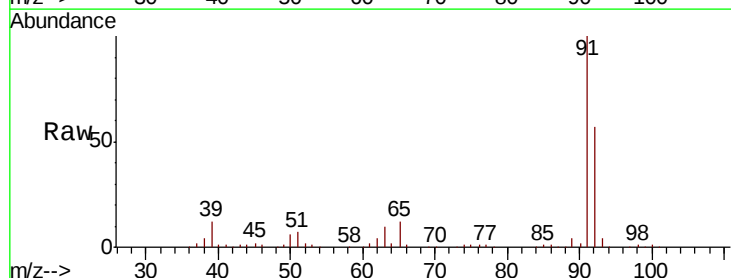
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

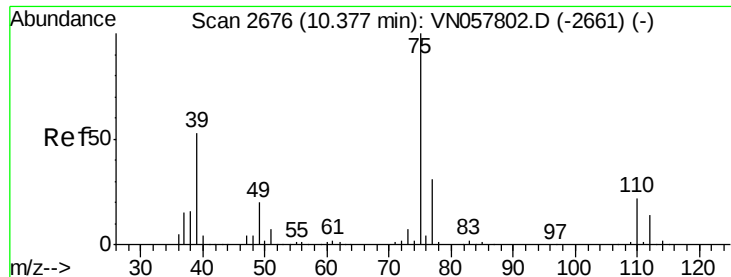
Tgt Ion: 43 Resp: 652707
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.8 44.6



#52
 Toluene
 Concen: 19.581 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 92 Resp: 224739
 Ion Ratio Lower Upper
 92 100
 91 175.5 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 19.344 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

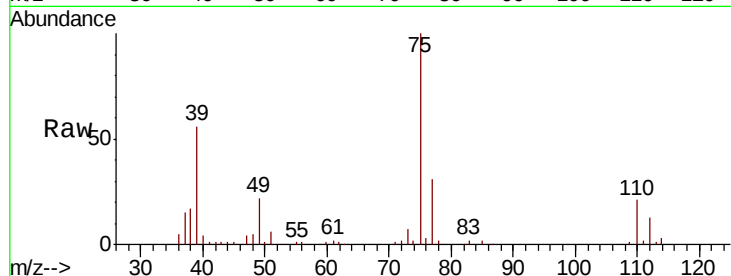
VN0914WBS03

Tgt Ion: 75 Resp: 130344

Ion Ratio Lower Upper

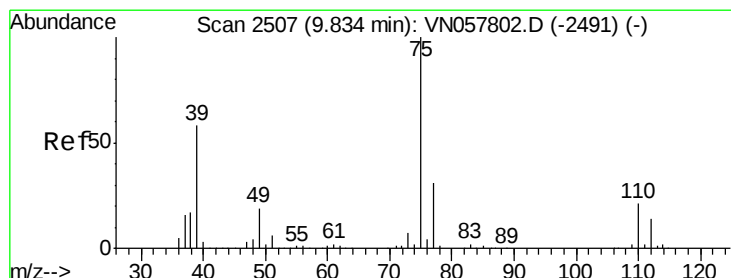
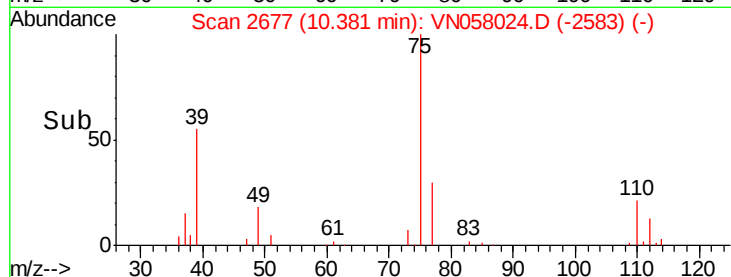
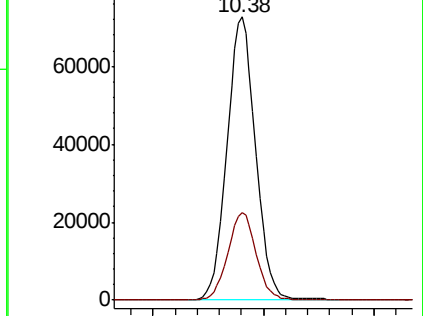
75 100

77 30.9 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.453 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

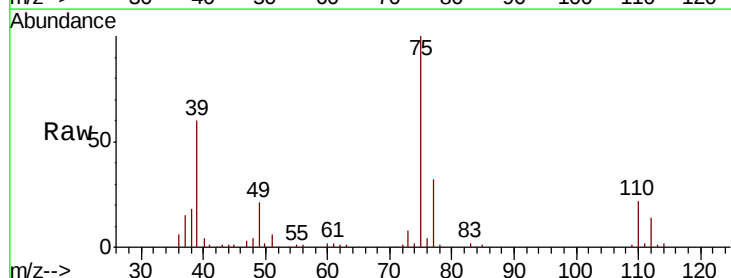
Tgt Ion: 75 Resp: 144718

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

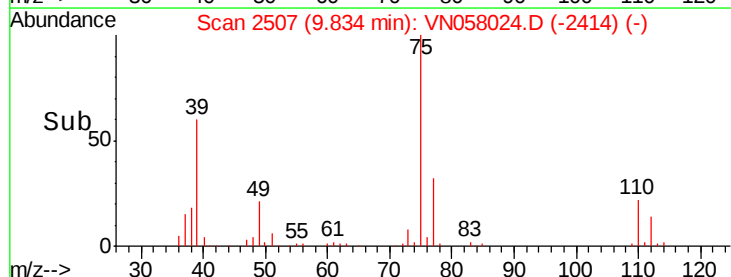
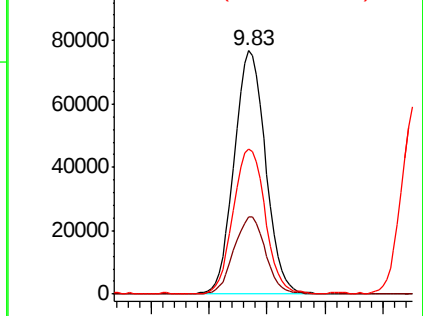
39 59.7 46.2 69.4

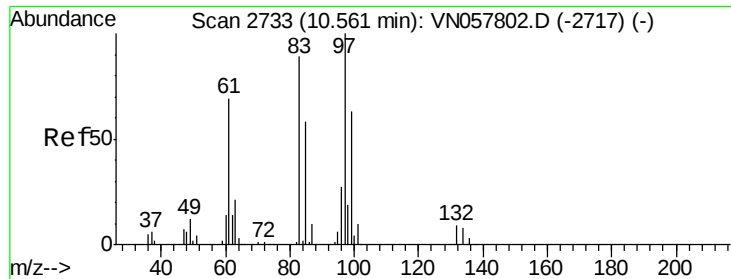


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

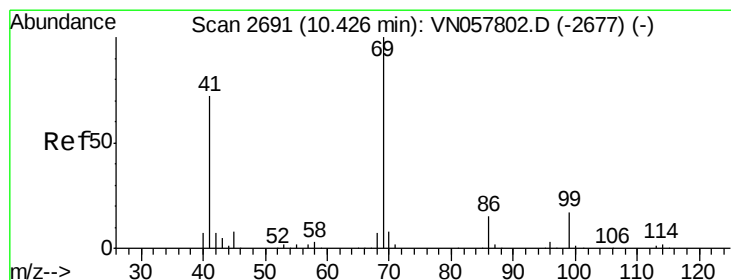
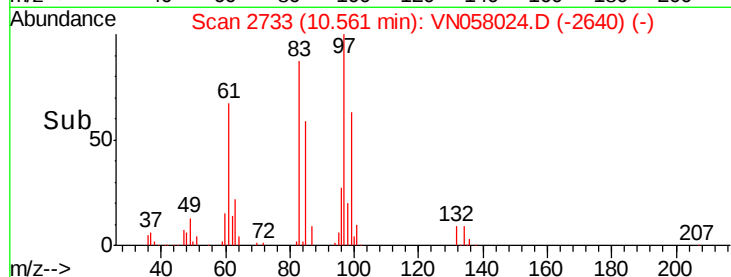
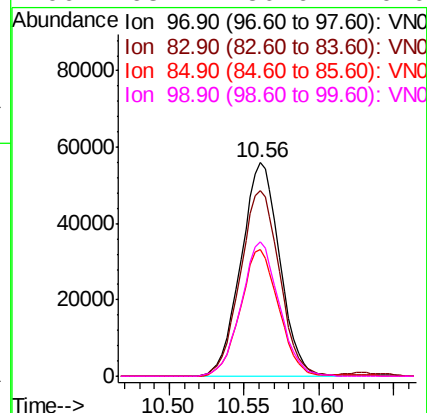
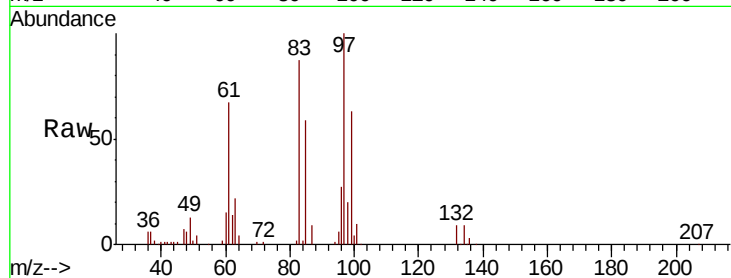




#55
 1,1,2-Trichloroethane
 Concen: 20.722 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

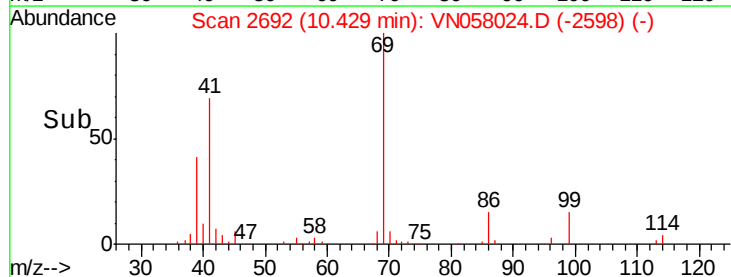
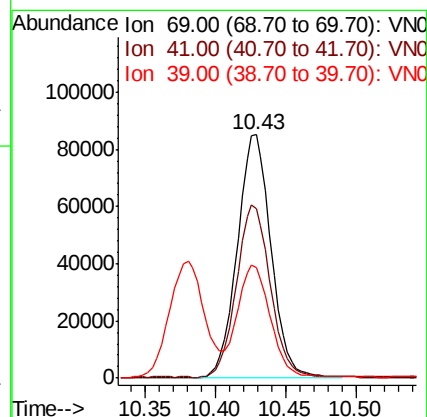
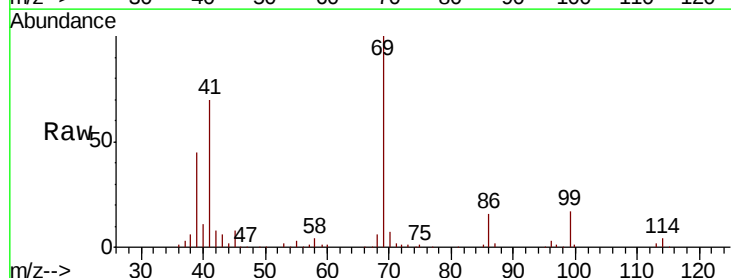
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tgt Ion: 97 Resp: 100746
 Ion Ratio Lower Upper
 97 100
 83 87.2 70.8 106.2
 85 59.1 46.0 69.0
 99 63.1 50.6 76.0



#56
 Ethyl methacrylate
 Concen: 19.564 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 69 Resp: 143235
 Ion Ratio Lower Upper
 69 100
 41 70.4 56.7 85.1
 39 44.7 36.3 54.5





#57

1,3-Dichloropropane

Concen: 20.467 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampled :

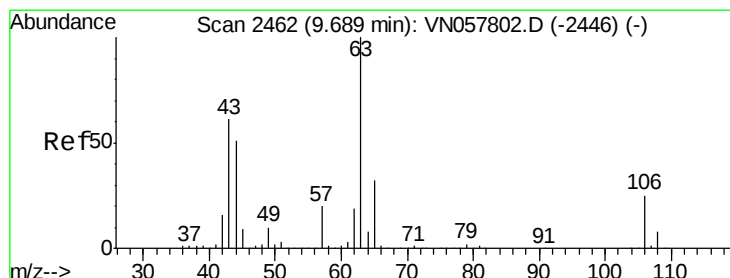
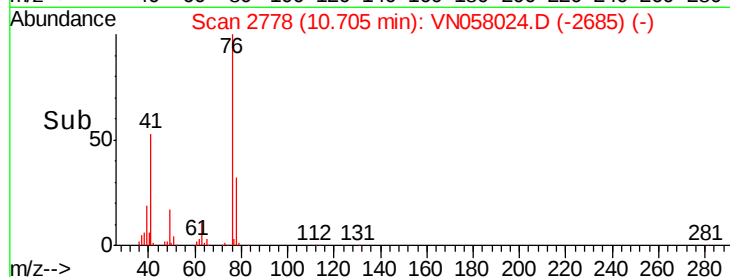
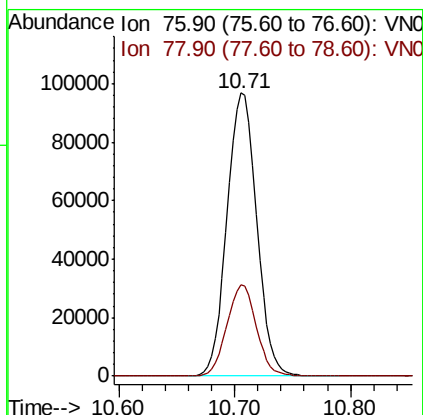
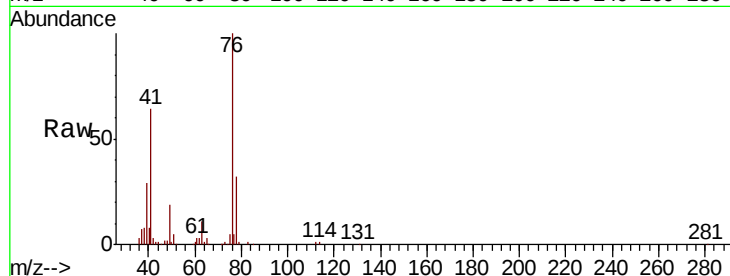
VN0914WBS03

Tgt Ion: 76 Resp: 171488

Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 91.394 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058024.D

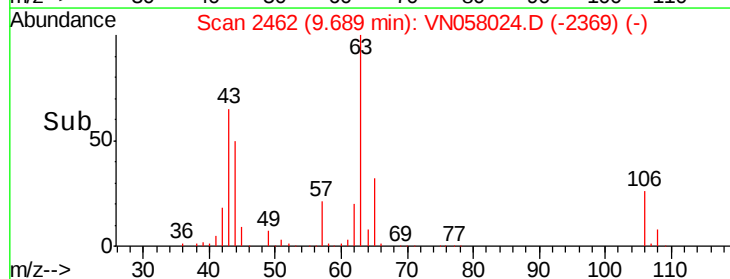
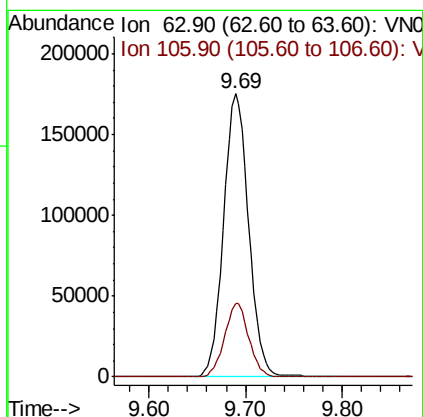
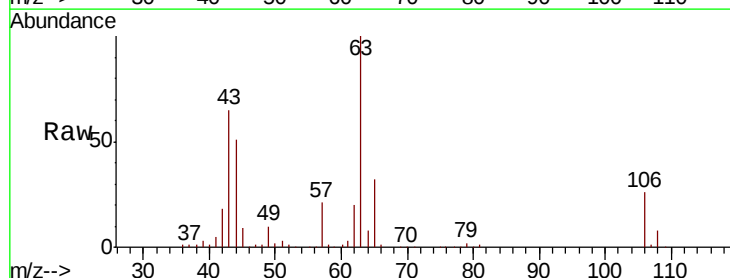
Acq: 13 Sep 2019 18:17

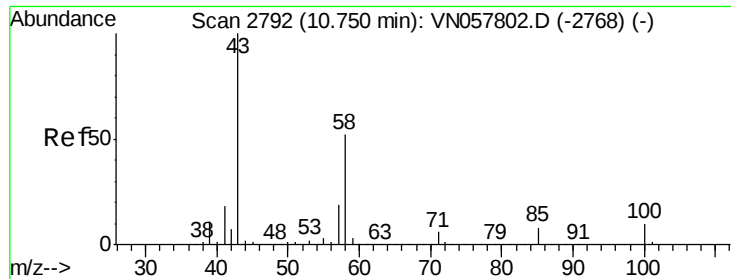
Tgt Ion: 63 Resp: 315154

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0

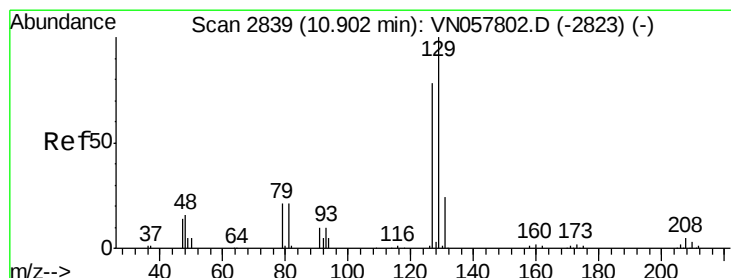
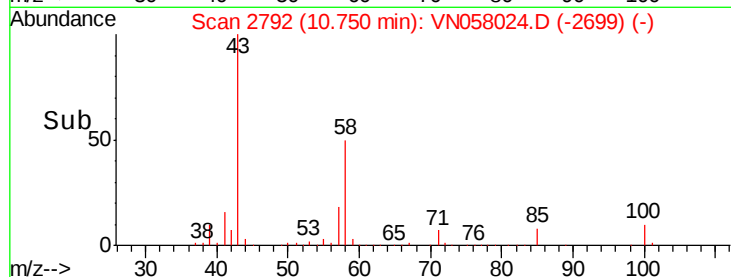
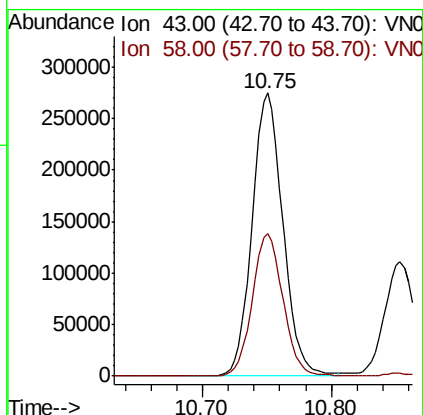
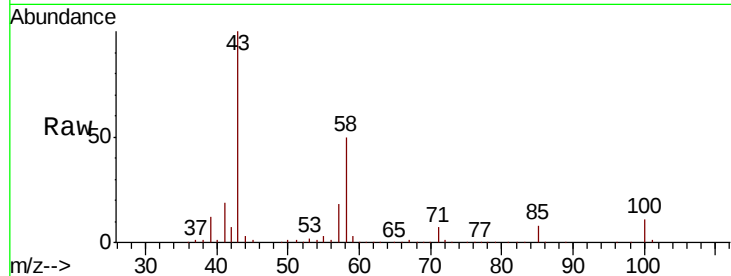




#59
2-Hexanone
Concen: 98.139 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

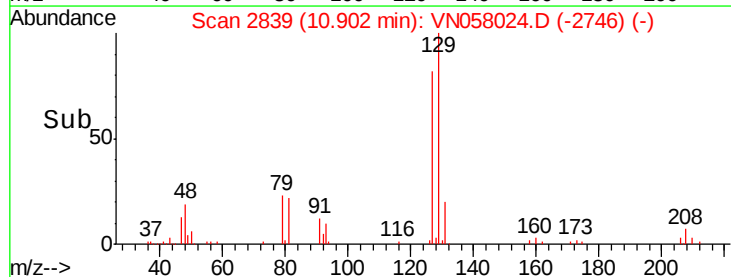
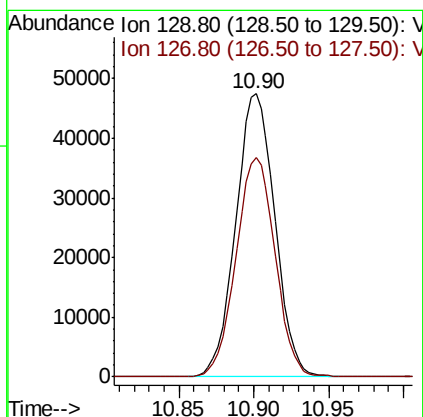
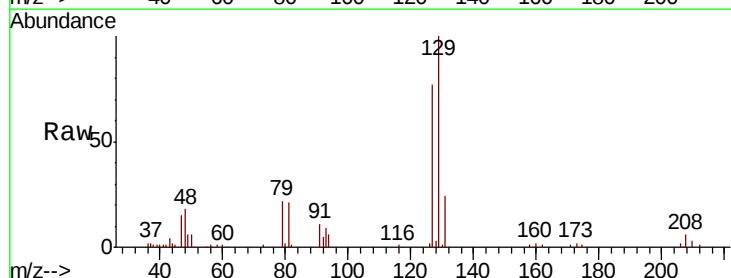
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

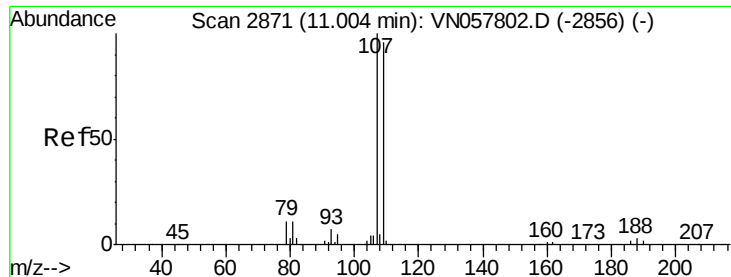
Tgt Ion: 43 Resp: 457795
Ion Ratio Lower Upper
43 100
58 50.2 25.6 76.8



#60
Dibromochloromethane
Concen: 19.123 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 129 Resp: 86333
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.040 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

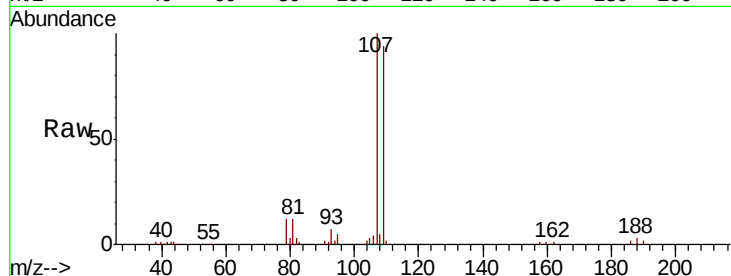
VN0914WBS03

Tgt Ion: 107 Resp: 92110

Ion Ratio Lower Upper

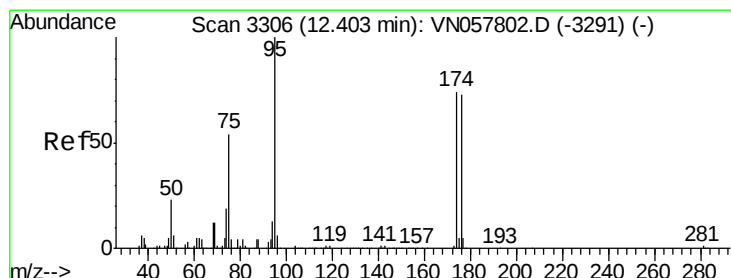
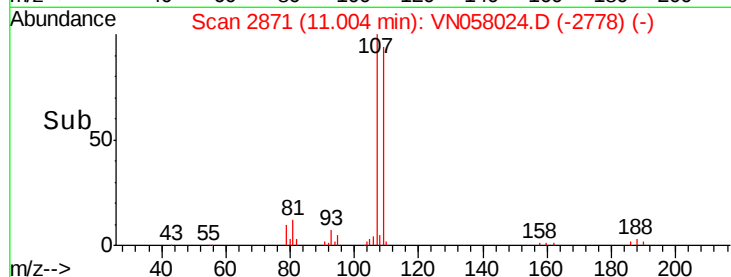
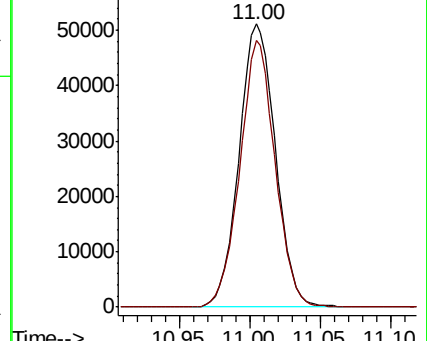
107 100

109 91.6 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.520 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

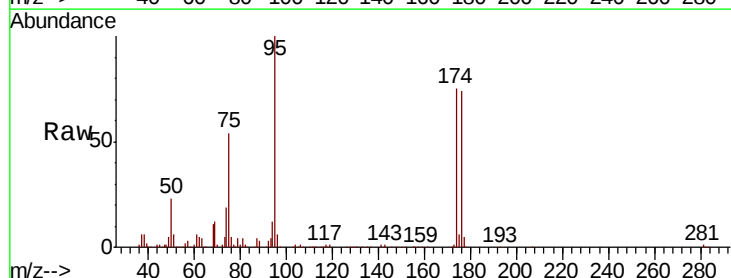
Tgt Ion: 95 Resp: 331568

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

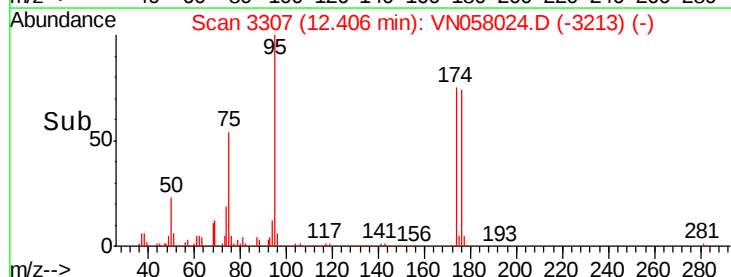
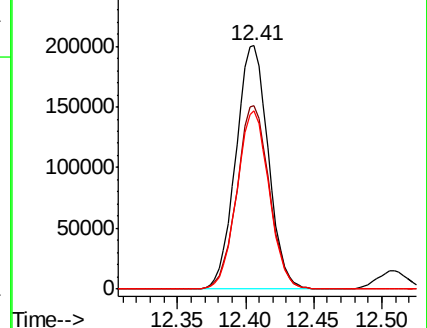
176 73.0 0.0 146.0

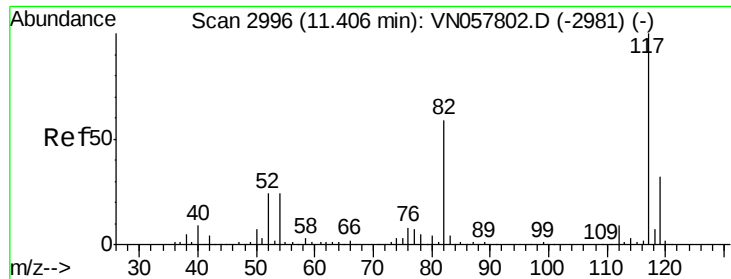


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

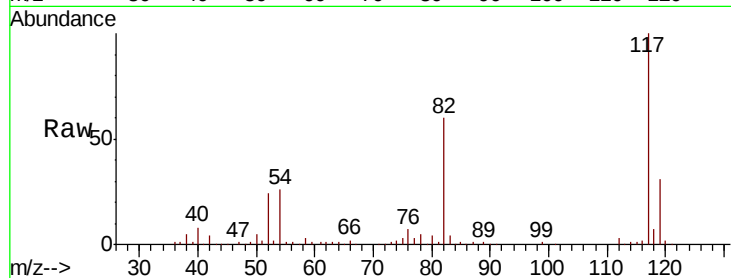




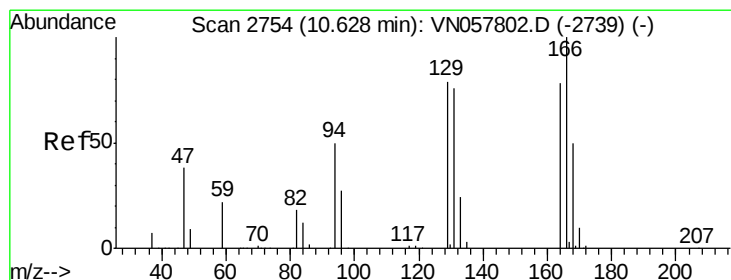
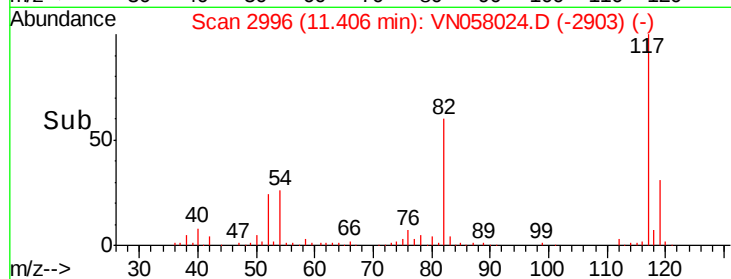
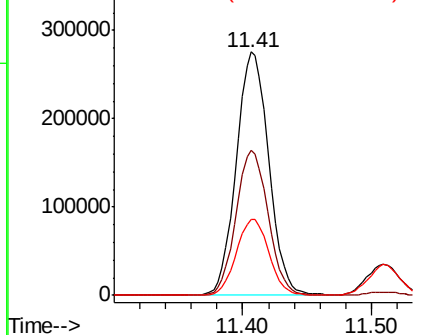
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tgt Ion:117 Resp: 482955
Ion Ratio Lower Upper
117 100
82 59.8 47.2 70.8
119 31.3 25.3 37.9

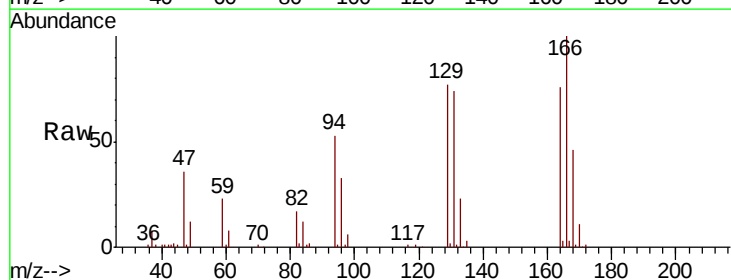


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

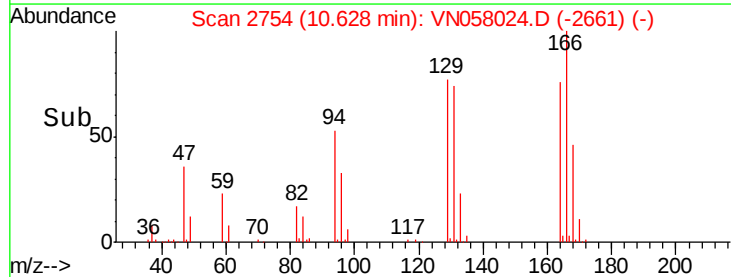
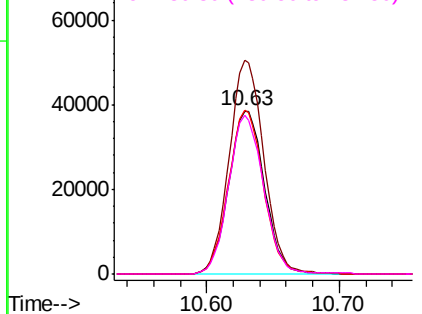


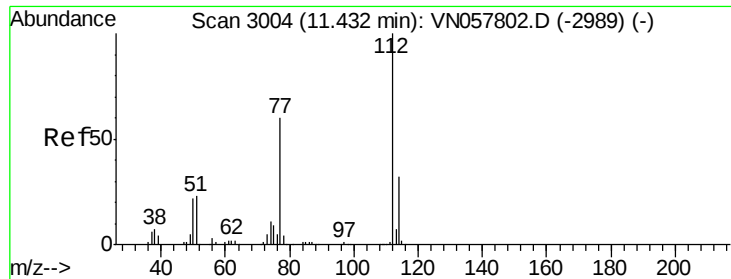
#64
Tetrachloroethene
Concen: 20.069 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion:164 Resp: 71564
Ion Ratio Lower Upper
164 100
166 131.2 102.2 153.2
129 100.5 80.8 121.2
131 97.5 77.4 116.2



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: 19.910 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

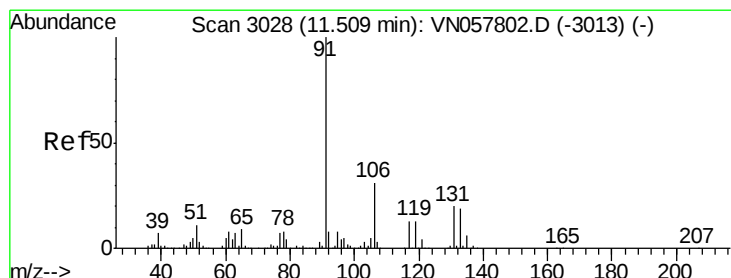
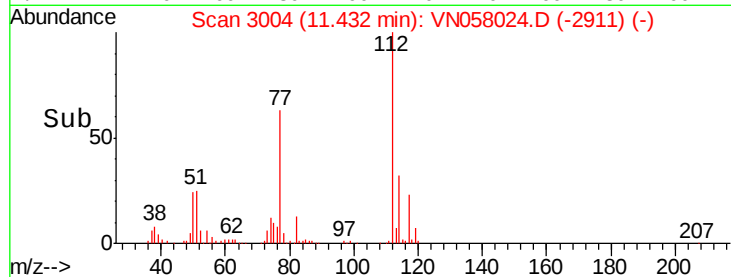
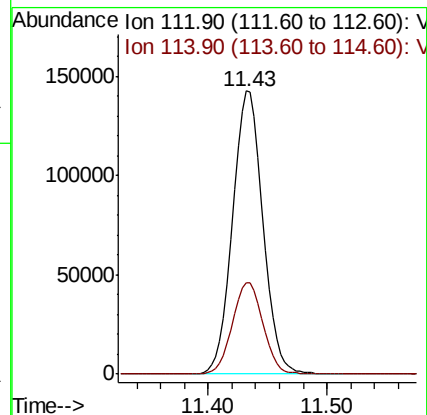
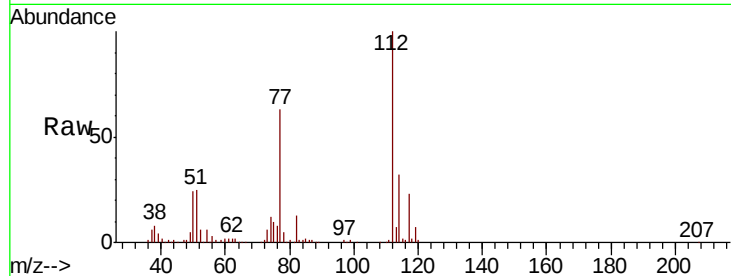
VN0914WBS03

Tgt Ion:112 Resp: 251653

Ion Ratio Lower Upper

112 100

114 32.3 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 20.239 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

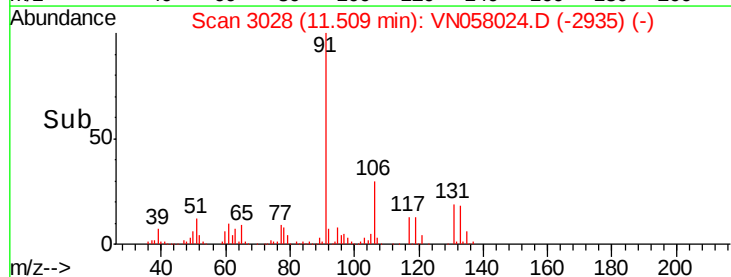
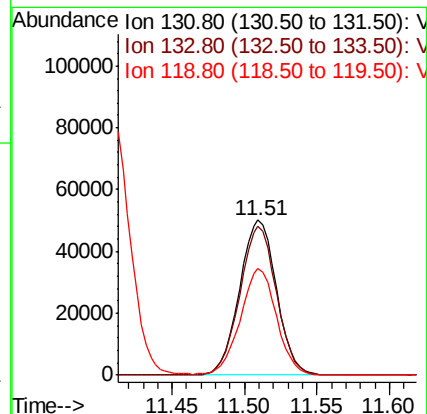
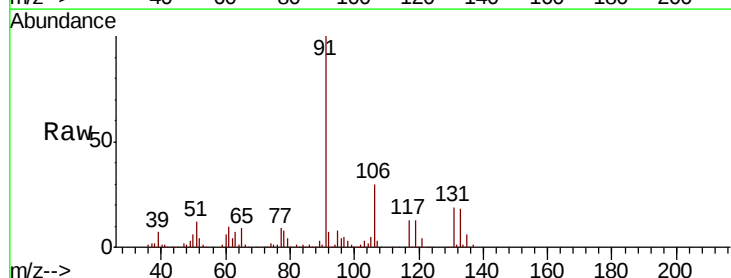
Tgt Ion:131 Resp: 88763

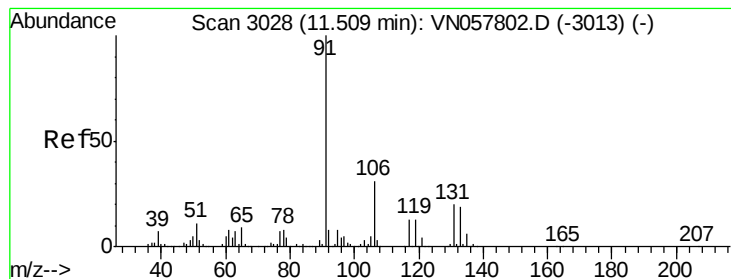
Ion Ratio Lower Upper

131 100

133 94.7 47.1 141.3

119 67.4 33.3 99.8





#67

Ethyl Benzene

Concen: 20.759 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

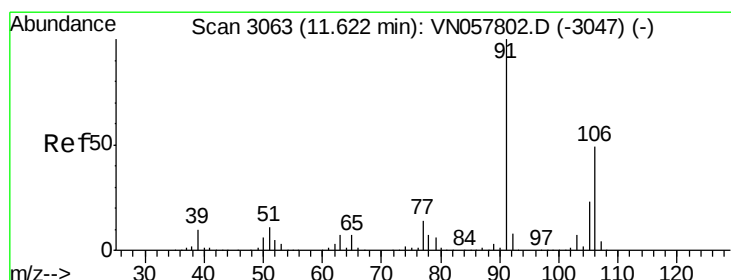
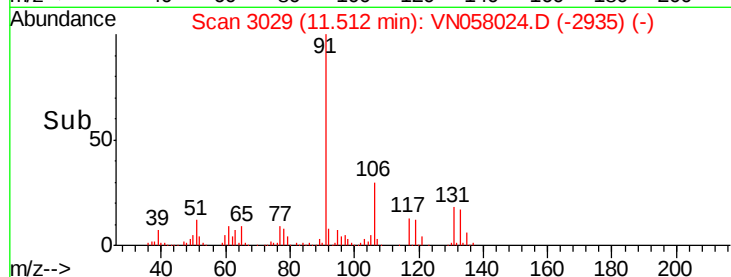
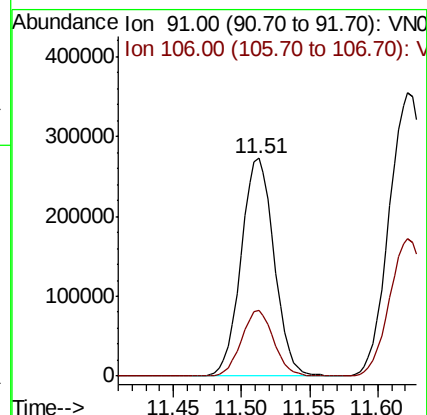
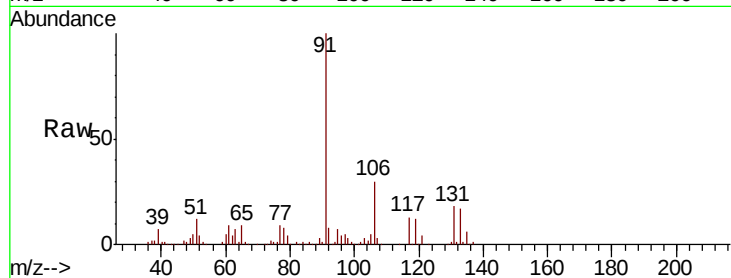
VN0914WBS03

Tgt Ion: 91 Resp: 459820

Ion Ratio Lower Upper

91 100

106 29.9 24.4 36.6



#68

m/p-Xylenes

Concen: 40.530 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058024.D

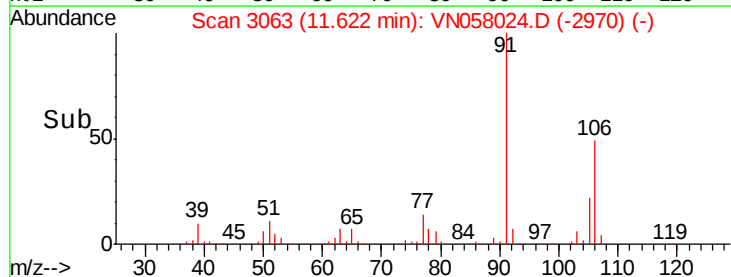
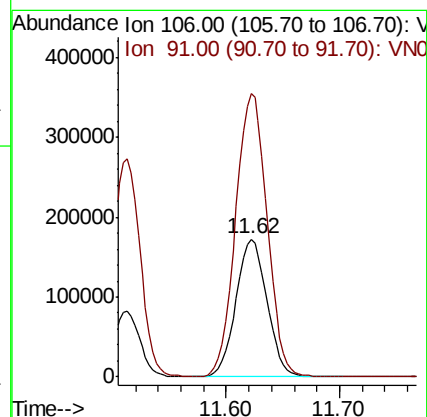
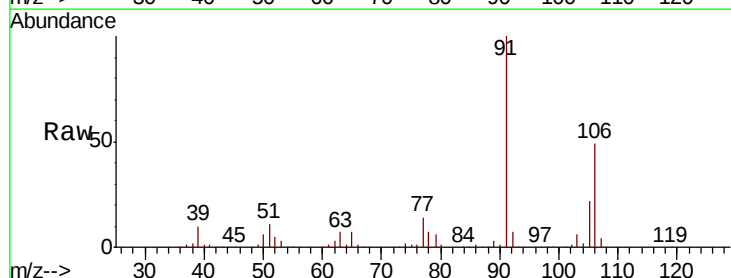
Acq: 13 Sep 2019 18:17

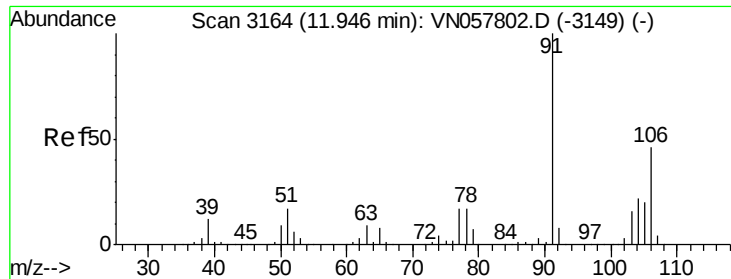
Tgt Ion: 106 Resp: 328857

Ion Ratio Lower Upper

106 100

91 209.0 165.8 248.6

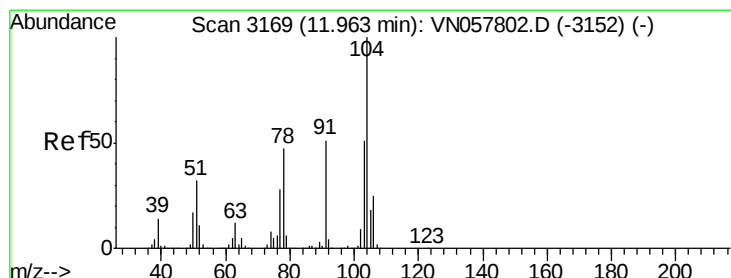
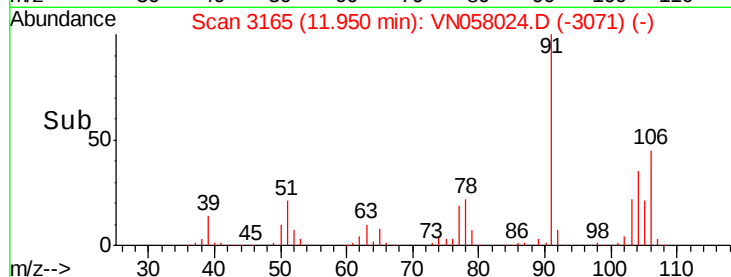
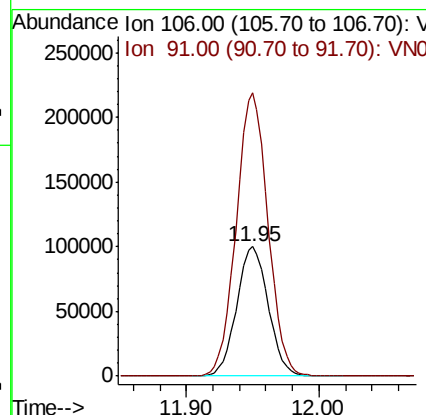
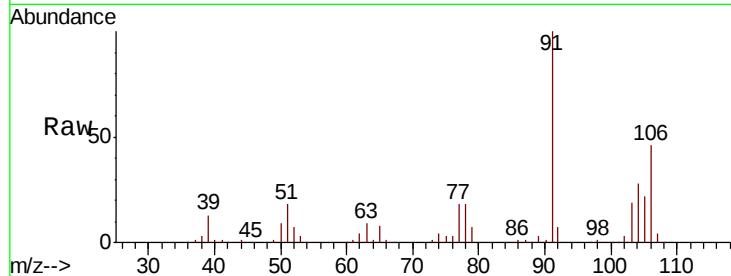




#69
o-Xylene
Concen: 20.499 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

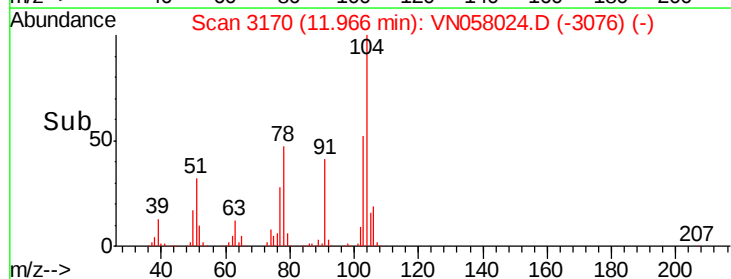
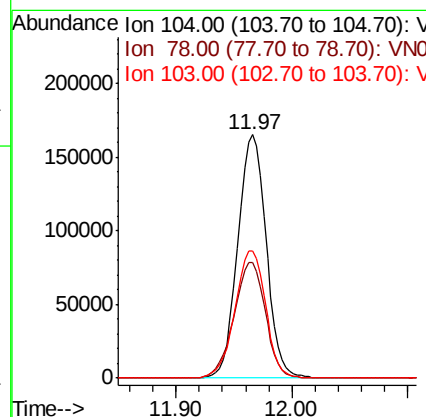
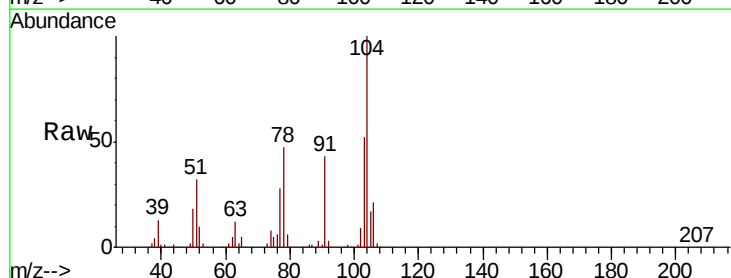
Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

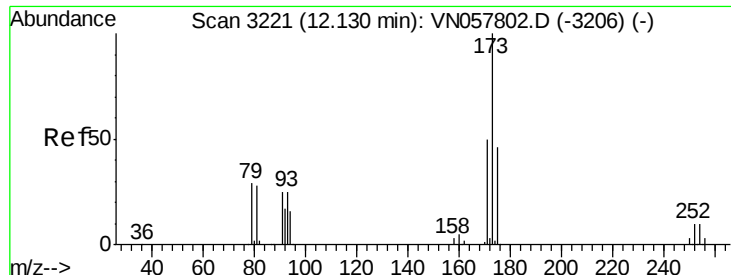
Tgt Ion:106 Resp: 165355
Ion Ratio Lower Upper
106 100
91 219.6 108.7 326.1



#70
Styrene
Concen: 20.303 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion:104 Resp: 281851
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 56.3 43.7 65.5

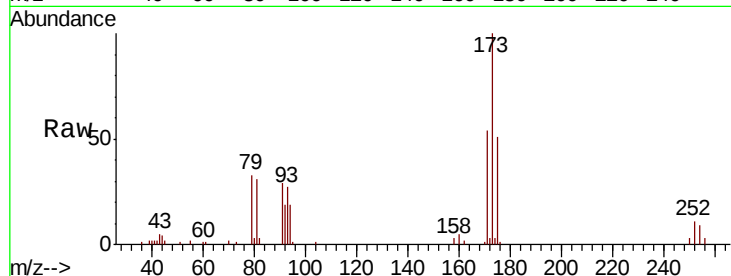




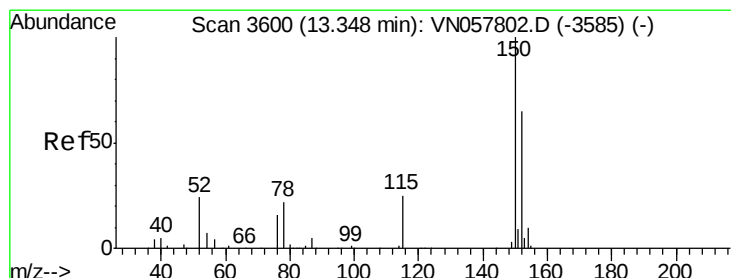
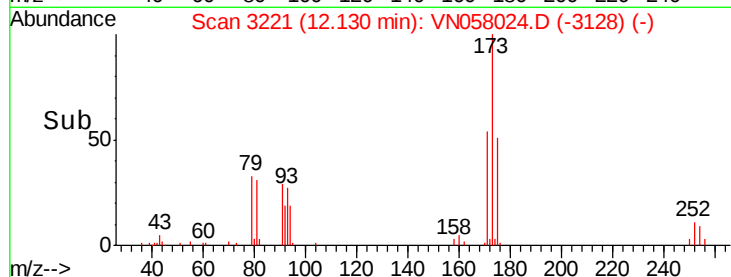
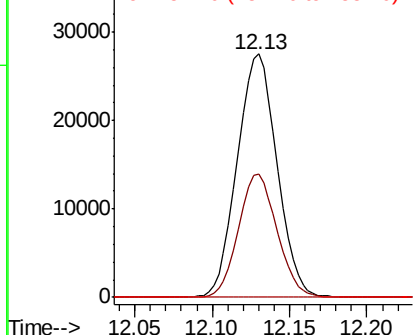
#71
Bromoform
Concen: 18.005 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tgt Ion:173 Resp: 49231
Ion Ratio Lower Upper
173 100
175 48.8 23.5 70.6
254 0.0 0.1 0.1#

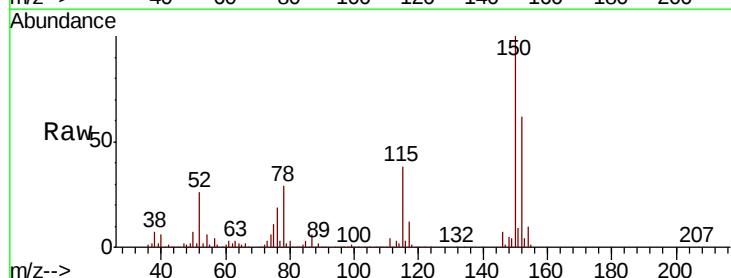


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

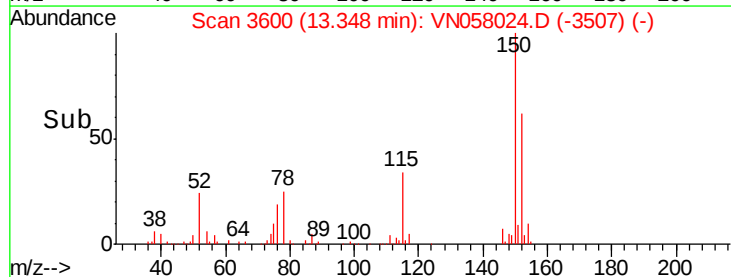
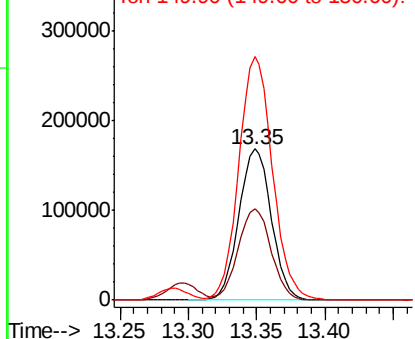


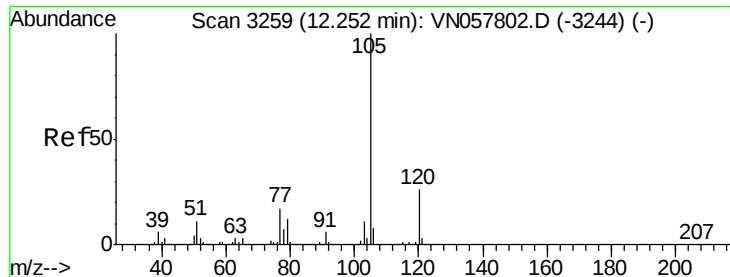
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion:152 Resp: 278725
Ion Ratio Lower Upper
152 100
115 61.3 30.3 91.0
150 166.3 0.0 352.4



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: 21.113 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

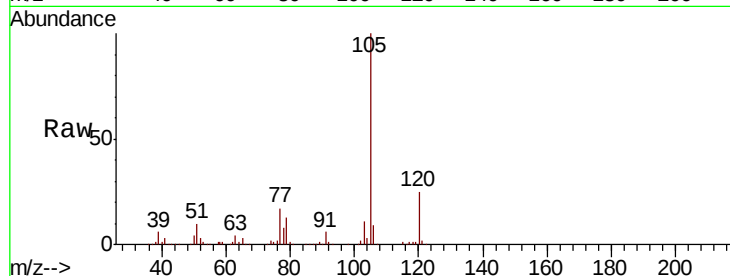
VN0914WBS03

Tgt Ion:105 Resp: 456640

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

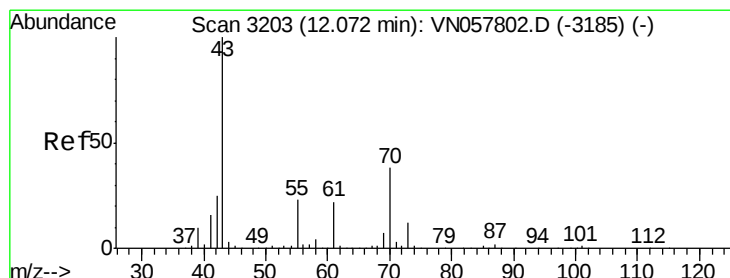
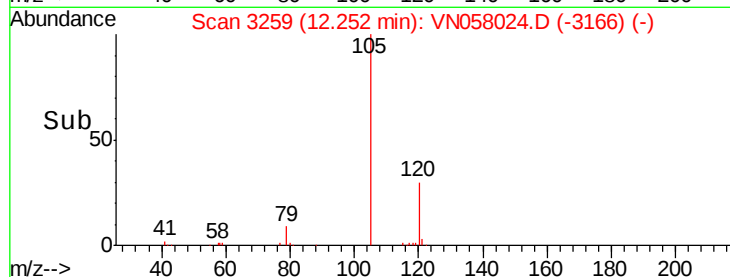
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.201 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion: 43 Resp: 180736

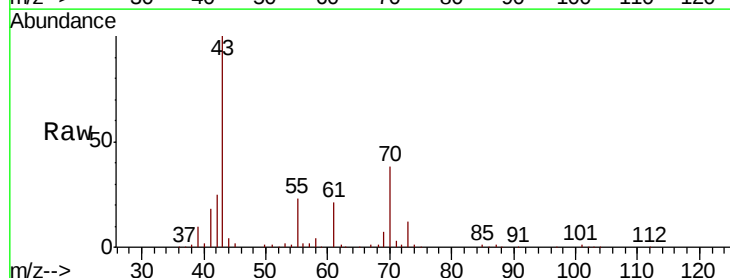
Ion Ratio Lower Upper

43 100

70 40.0 30.6 45.8

55 24.6 18.6 27.8

61 22.5 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

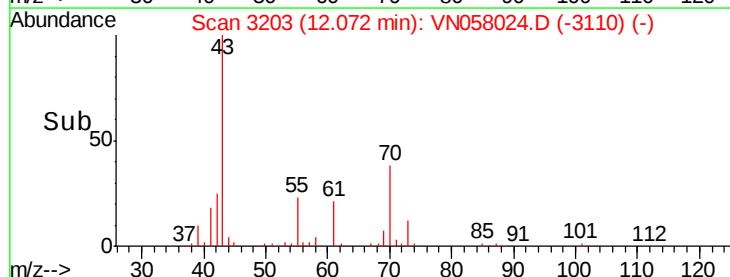
150000

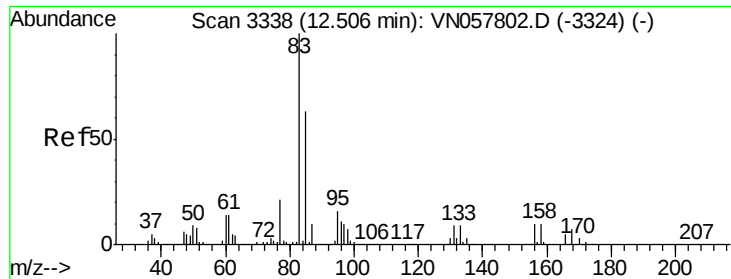
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.339 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

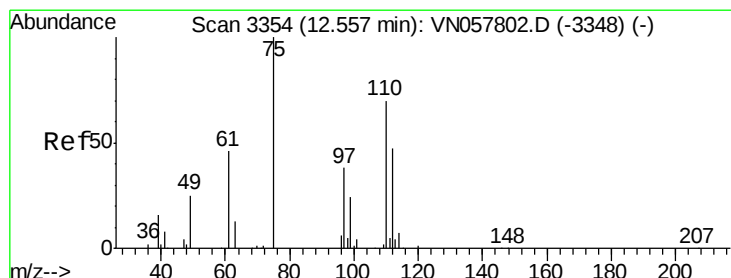
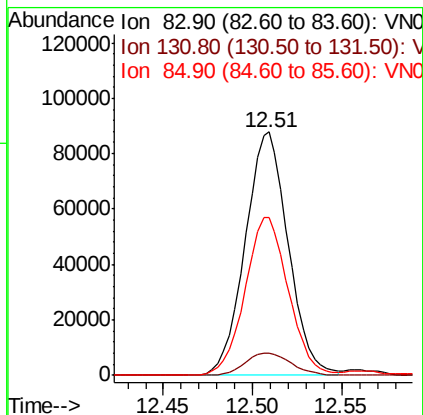
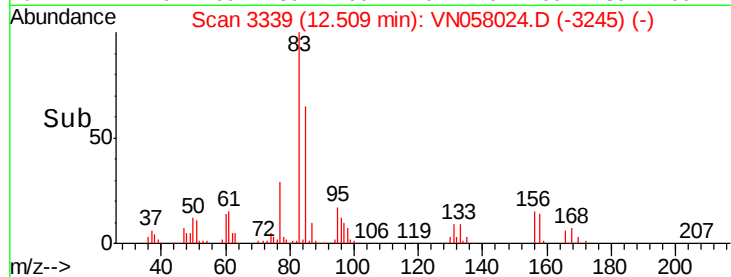
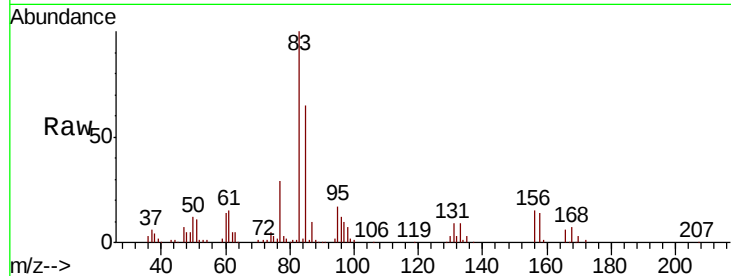
Tgt Ion: 83 Resp: 148116

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

85 65.3 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 27.416 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058024.D

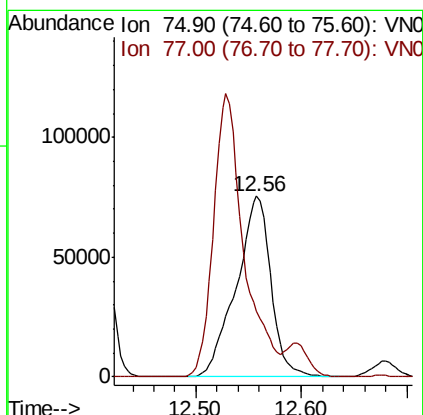
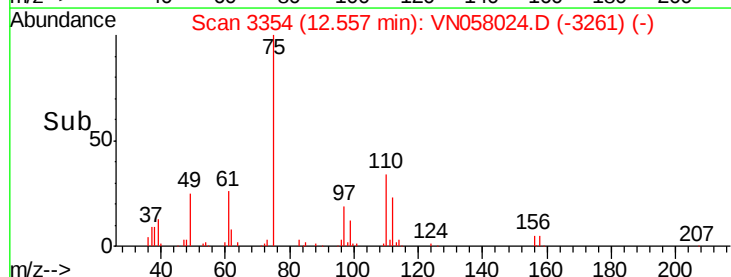
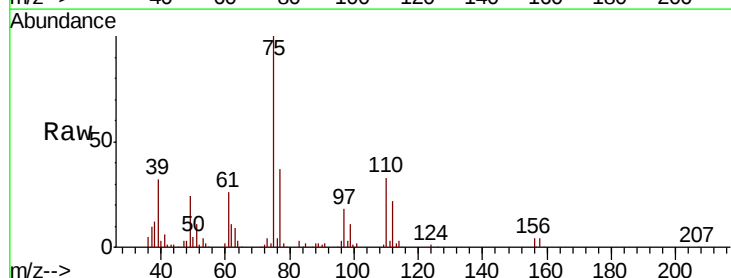
Acq: 13 Sep 2019 18:17

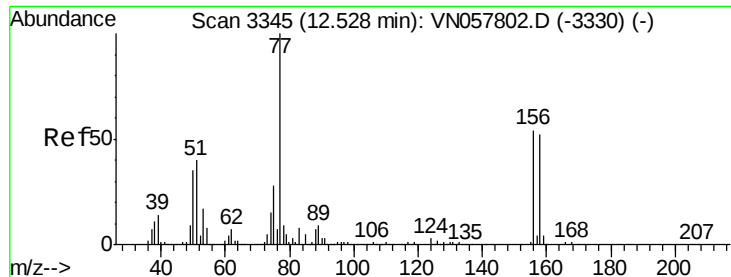
Tgt Ion: 75 Resp: 172866

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.674 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

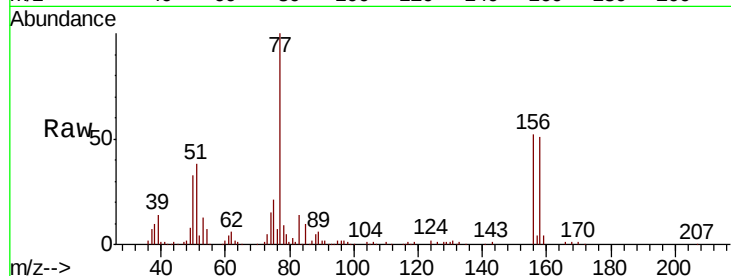
Tgt Ion:156 Resp: 106088

Ion Ratio Lower Upper

156 100

77 223.1 113.7 341.1

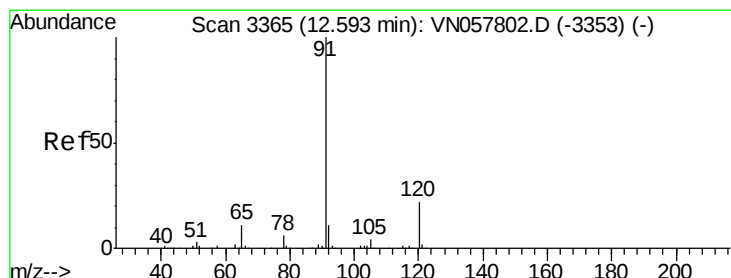
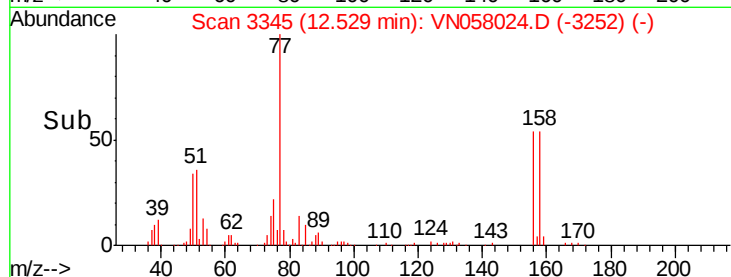
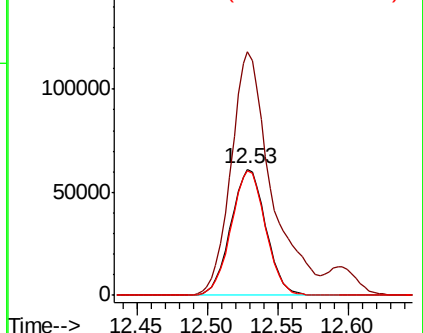
158 97.2 48.5 145.6



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: 21.333 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058024.D

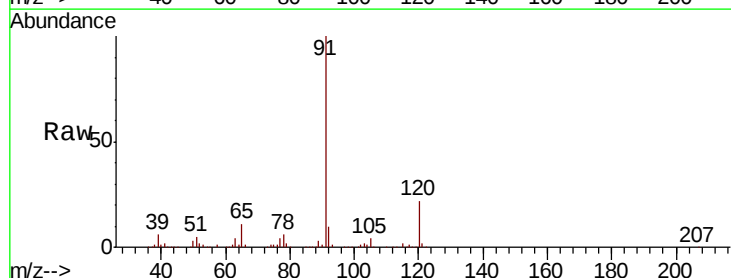
Acq: 13 Sep 2019 18:17

Tgt Ion: 91 Resp: 529821

Ion Ratio Lower Upper

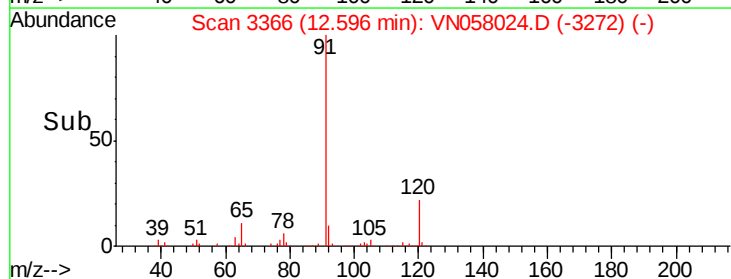
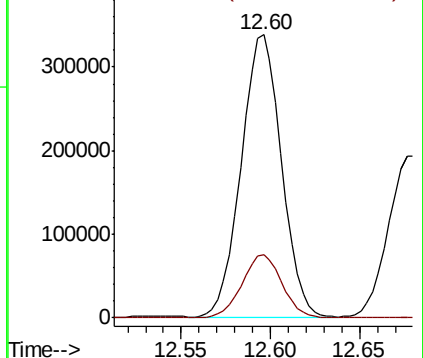
91 100

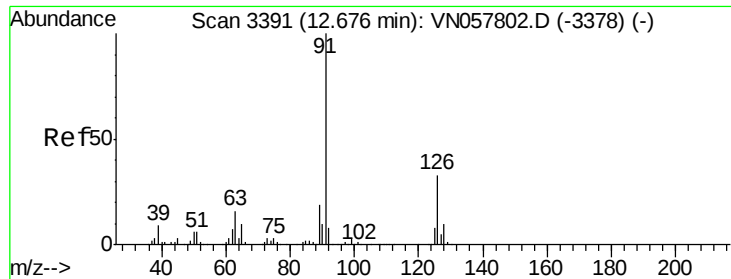
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.171 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

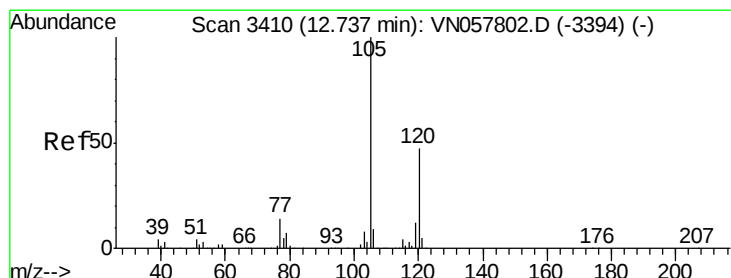
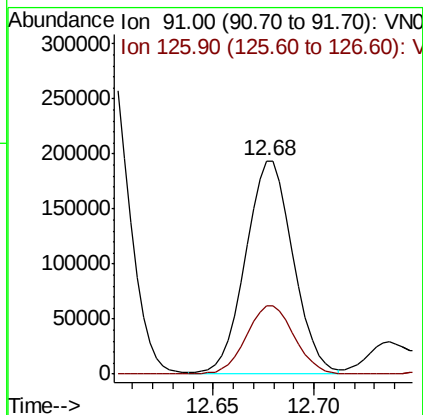
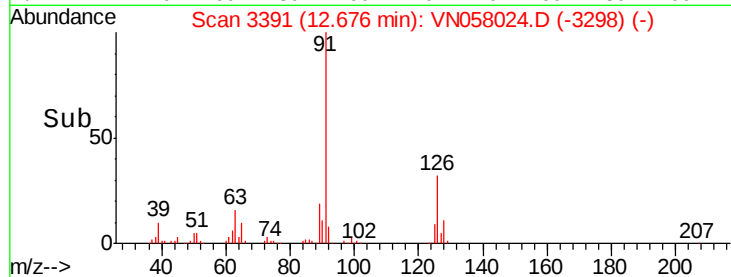
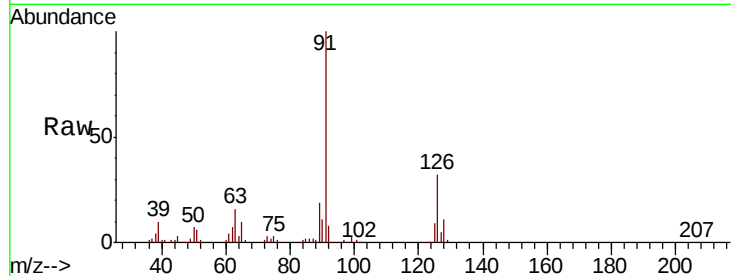
VN0914WBS03

Tgt Ion: 91 Resp: 316623

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.2



#80

1,3,5-Trimethylbenzene

Concen: 21.173 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058024.D

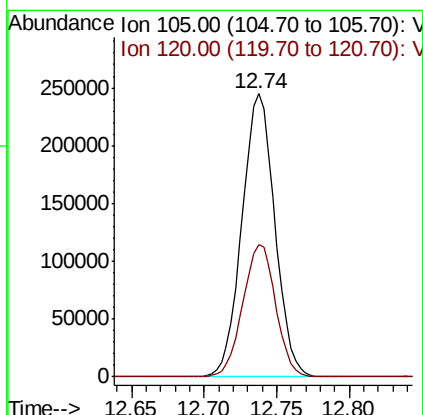
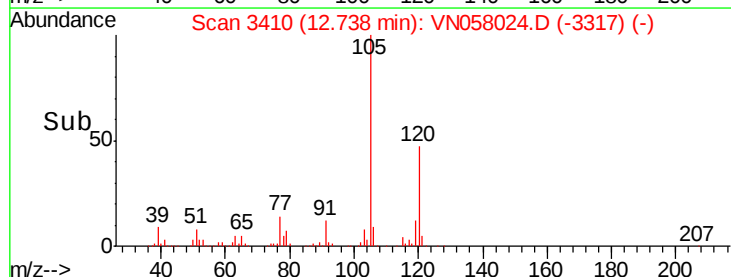
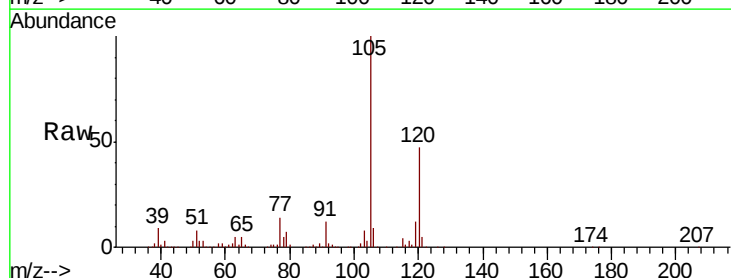
Acq: 13 Sep 2019 18:17

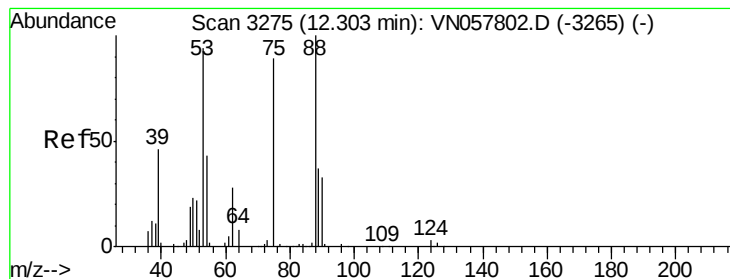
Tgt Ion: 105 Resp: 386927

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.451 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

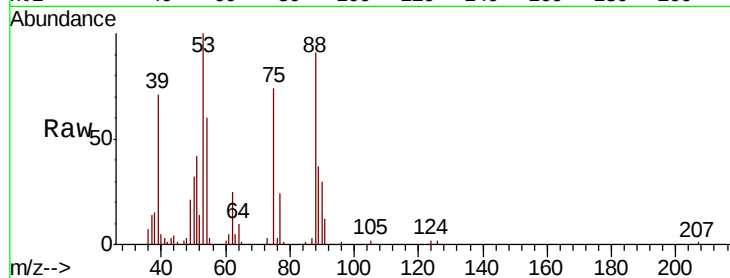
Tgt Ion: 75 Resp: 29476

Ion Ratio Lower Upper

75 100

53 126.4 88.4 132.6

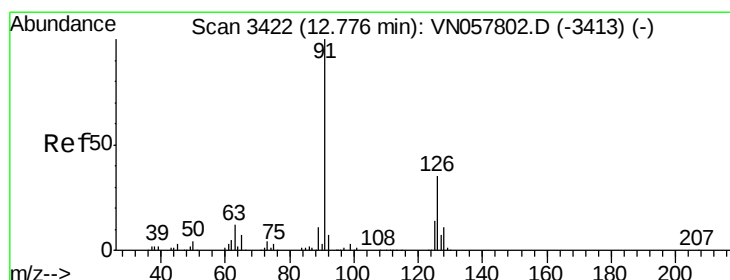
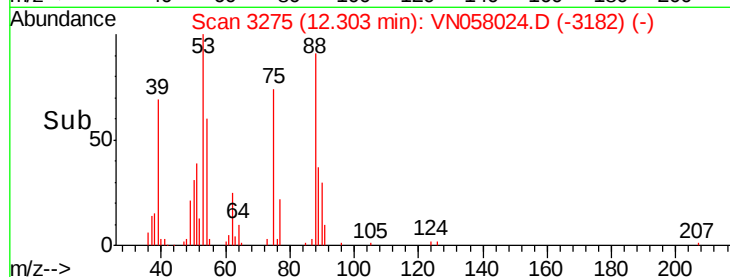
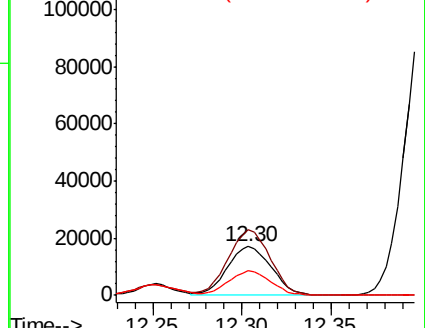
89 47.2 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.129 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058024.D

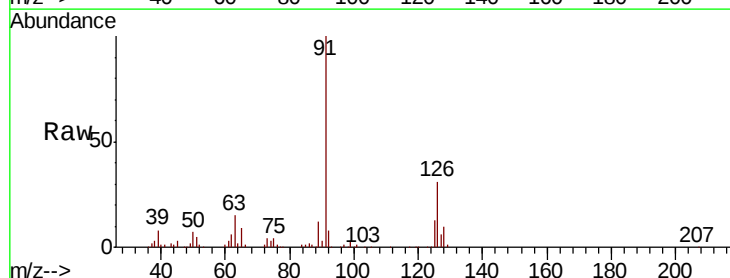
Acq: 13 Sep 2019 18:17

Tgt Ion: 91 Resp: 324477

Ion Ratio Lower Upper

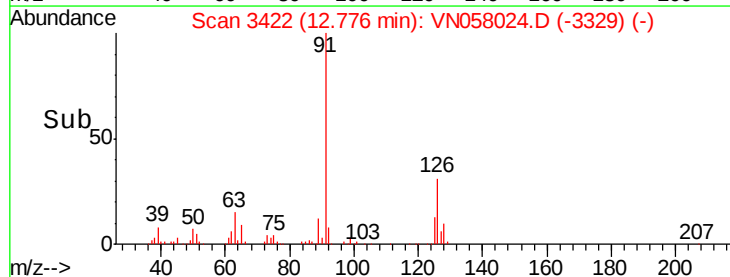
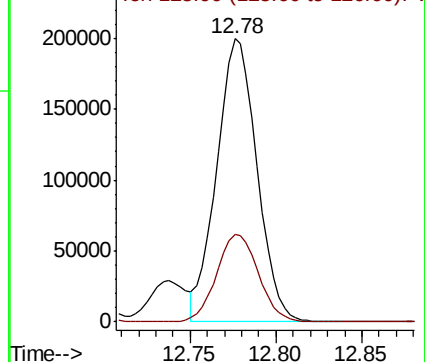
91 100

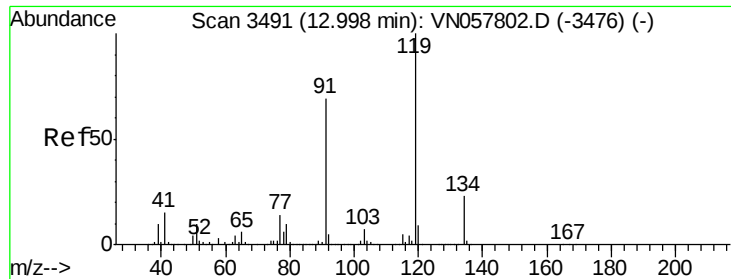
126 32.3 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

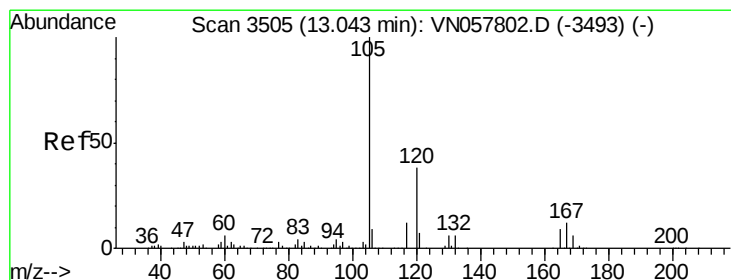
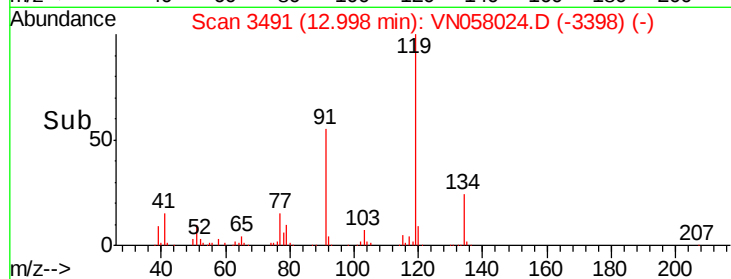
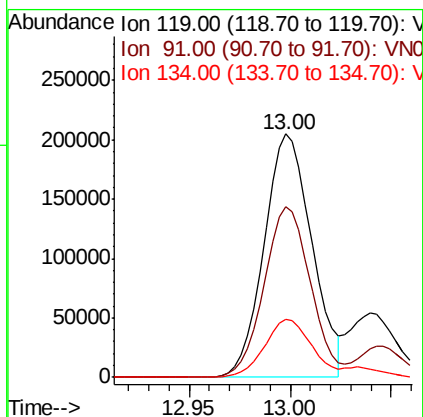
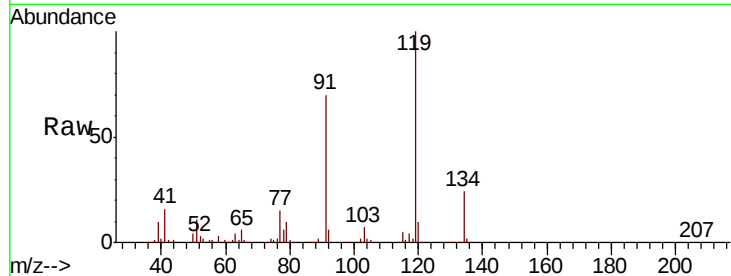




#83
 tert-Butylbenzene
 Concen: 20.764 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

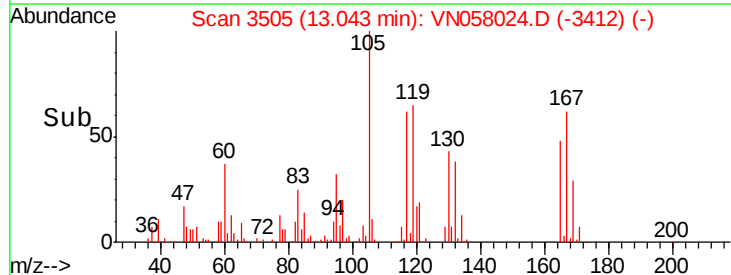
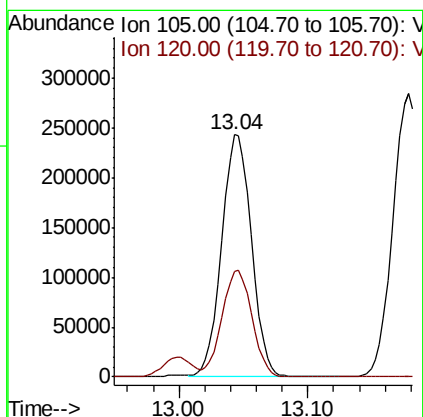
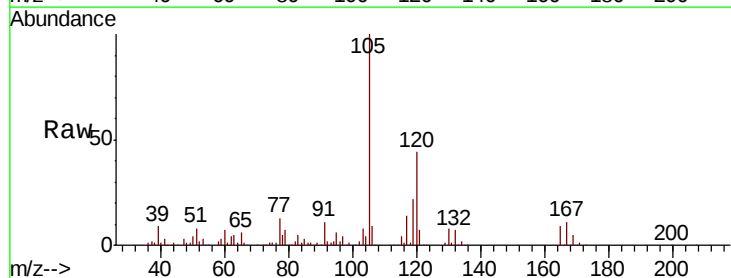
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

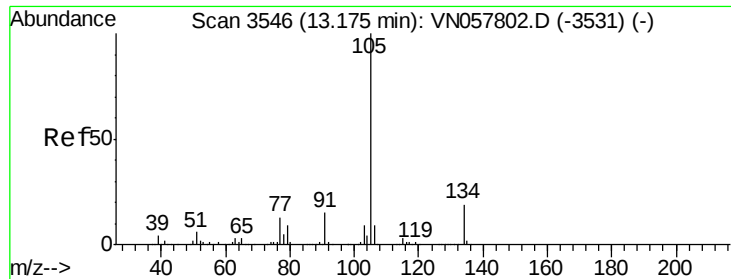
Tgt Ion:119 Resp: 337294
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.6 100.8
 134 23.2 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.964 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion:105 Resp: 389368
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.2

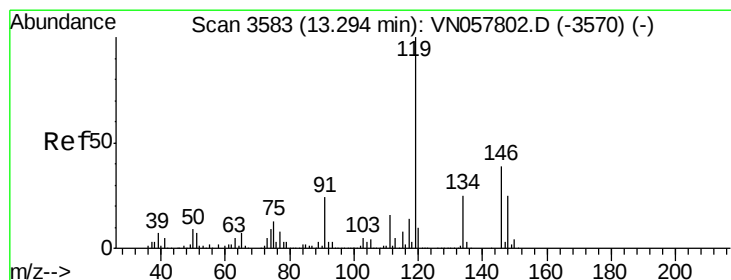
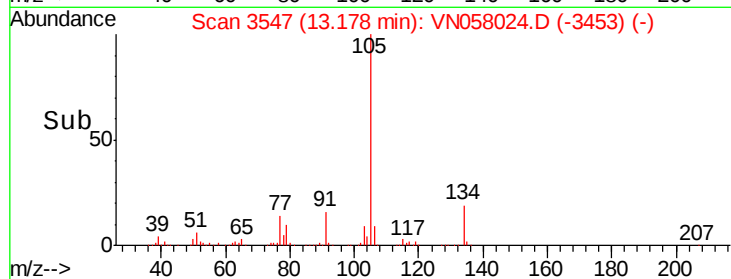
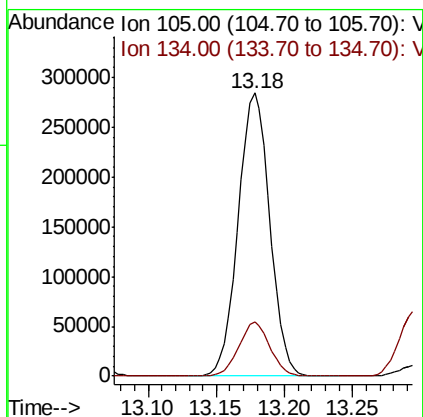
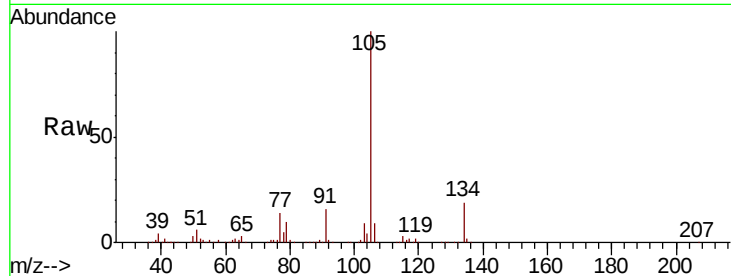




#85
 sec-Butylbenzene
 Concen: 21.188 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

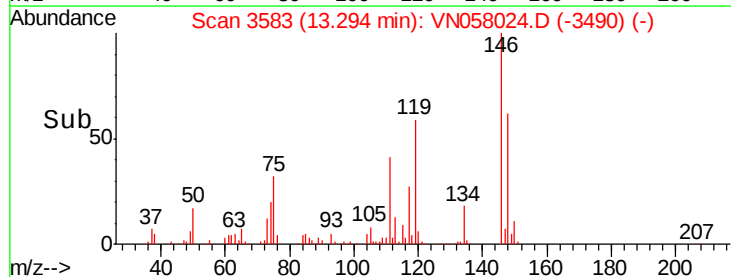
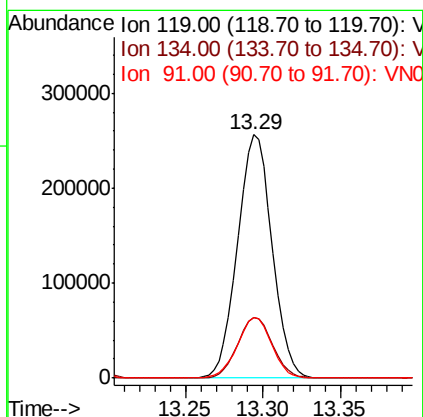
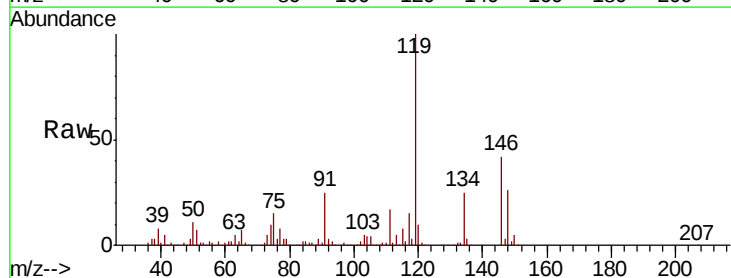
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

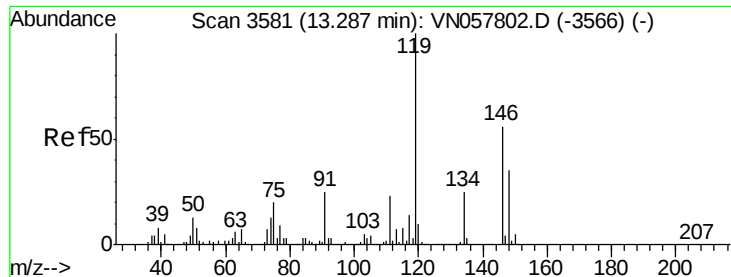
Tgt Ion:105 Resp: 456183
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 20.892 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion:119 Resp: 396340
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.5 37.5
 91 24.8 12.3 36.8

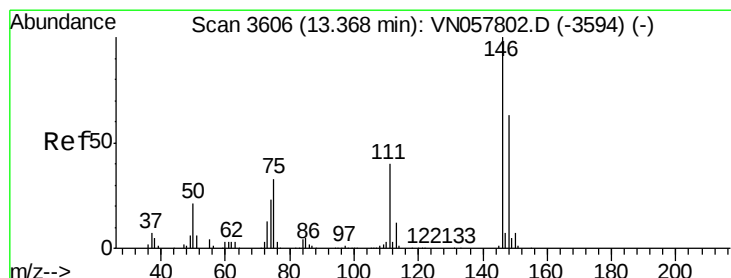
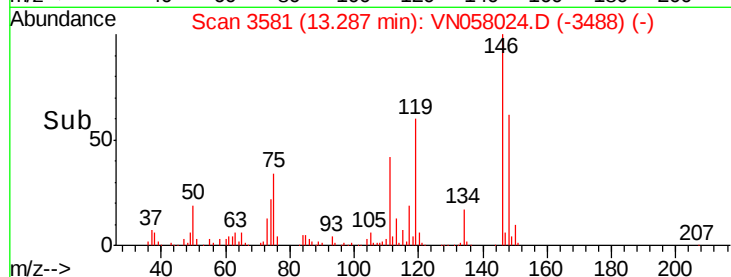
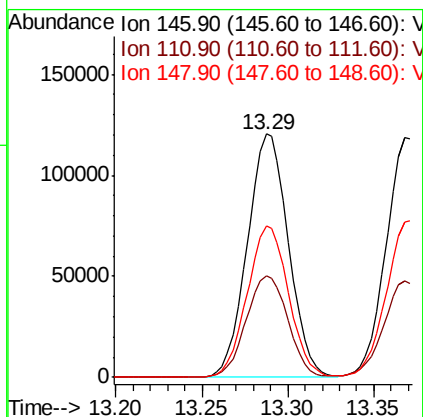
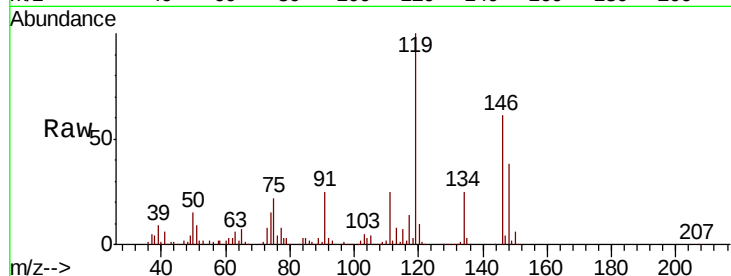




#87
 1,3-Dichlorobenzene
 Concen: 20.152 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

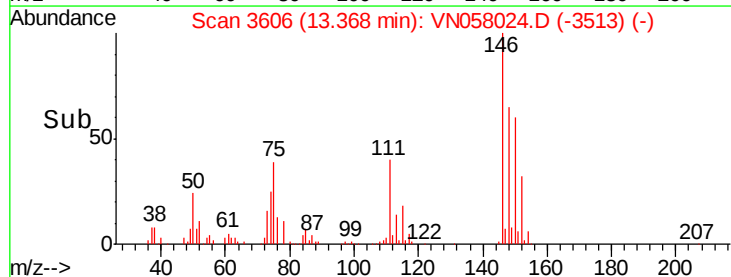
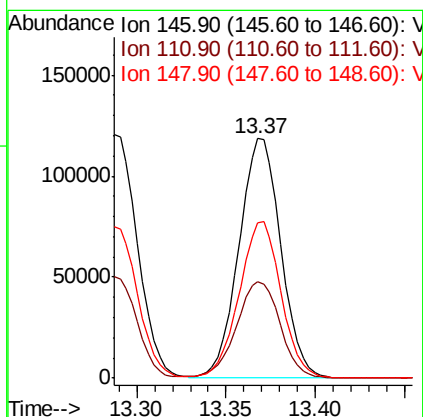
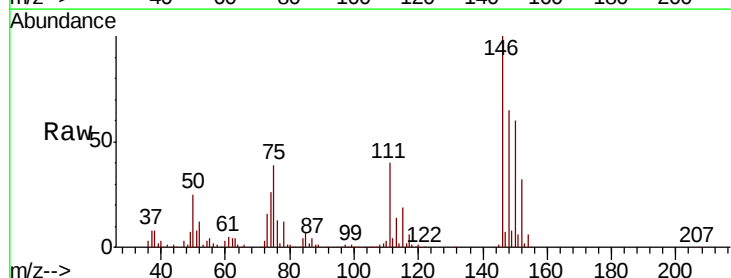
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

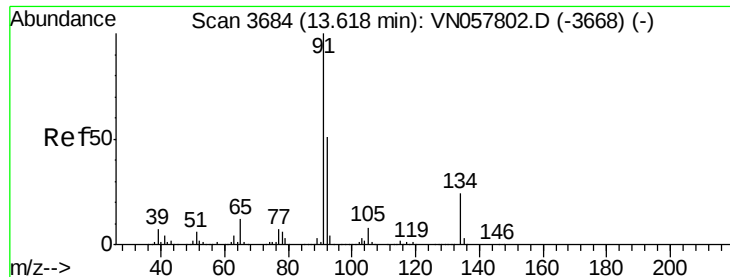
Tgt Ion:146 Resp: 199463
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.5 61.6
 148 62.4 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.141 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion:146 Resp: 192303
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.4 61.2
 148 66.3 31.8 95.4





#89

n-Butylbenzene

Concen: 20.350 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

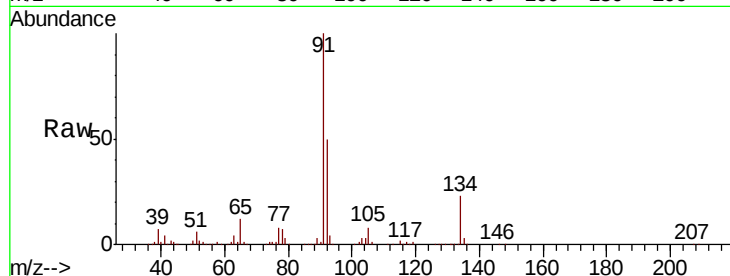
Tgt Ion: 91 Resp: 364576

Ion Ratio Lower Upper

91 100

92 50.6 25.7 77.0

134 23.4 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057802.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057802.D (-3668) (-)

13.62

250000

200000

150000

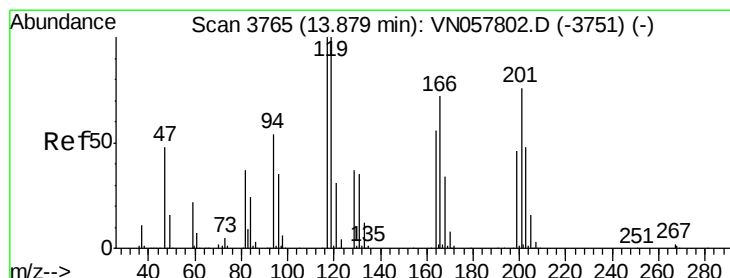
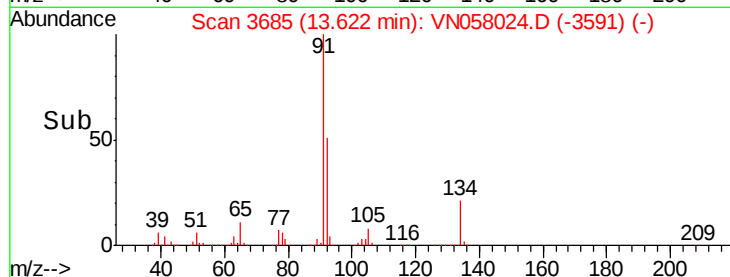
100000

50000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 19.561 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058024.D

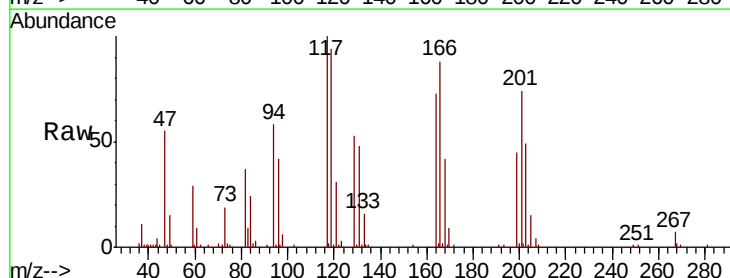
Acq: 13 Sep 2019 18:17

Tgt Ion: 117 Resp: 55188

Ion Ratio Lower Upper

117 100

201 75.1 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057802.D (-3751) (-)

13.88

30000

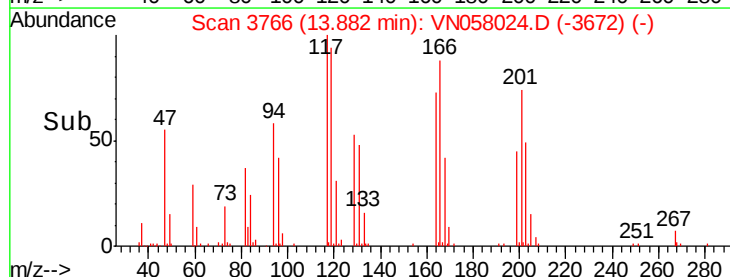
20000

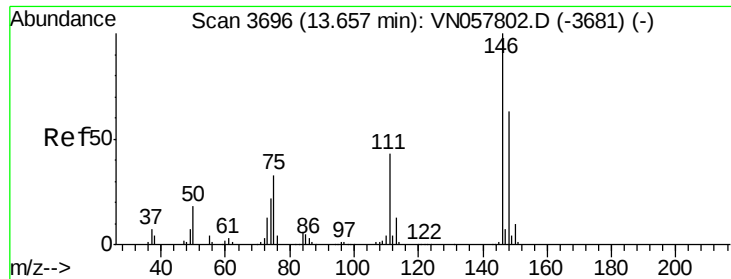
10000

0

13.80 13.85 13.90 13.95

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.374 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

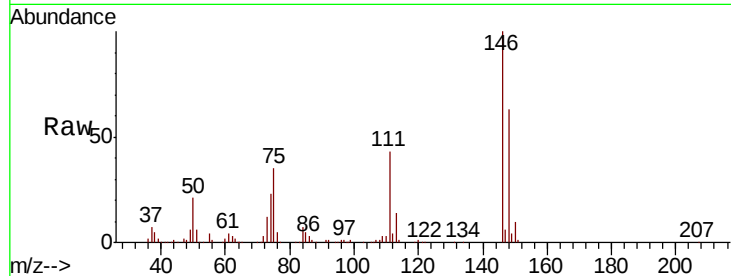
Tgt Ion:146 Resp: 201463

Ion Ratio Lower Upper

146 100

111 43.1 21.3 63.9

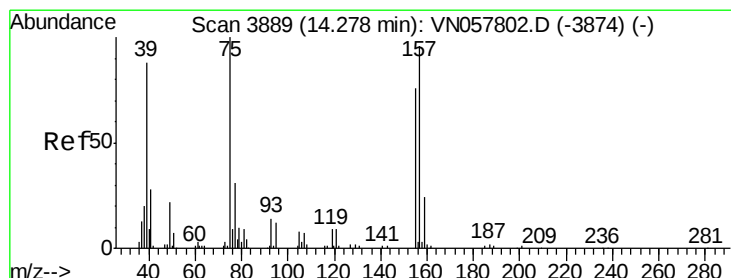
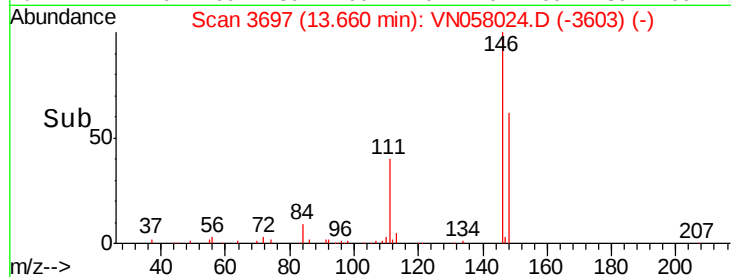
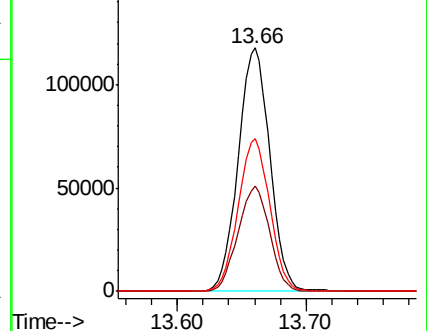
148 62.7 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.650 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

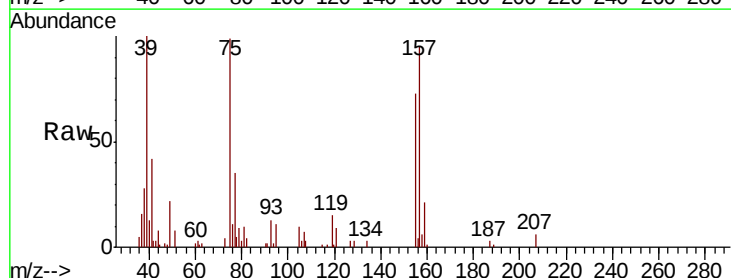
Tgt Ion: 75 Resp: 22429

Ion Ratio Lower Upper

75 100

155 77.8 37.3 111.8

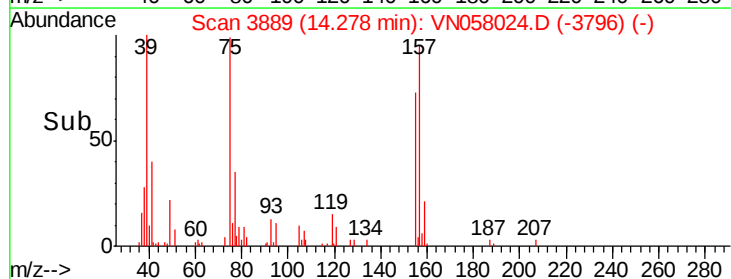
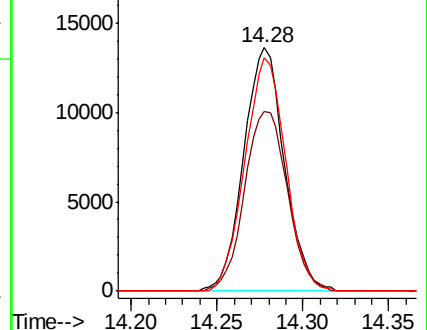
157 95.8 47.9 143.8

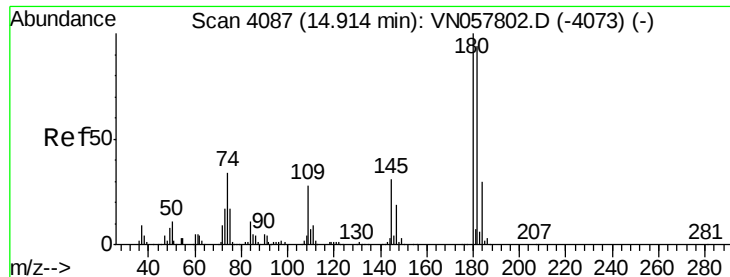


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

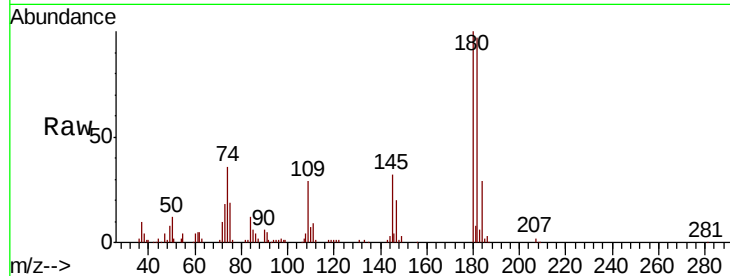




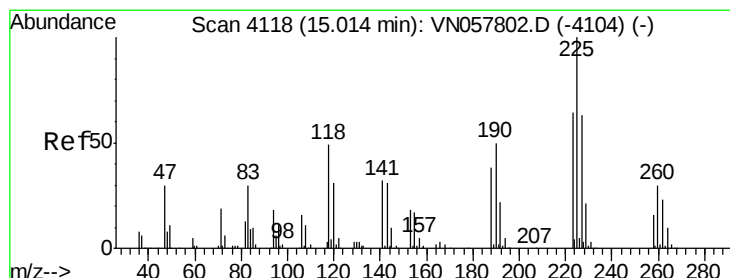
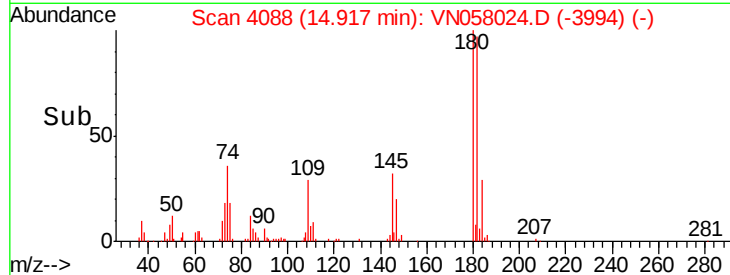
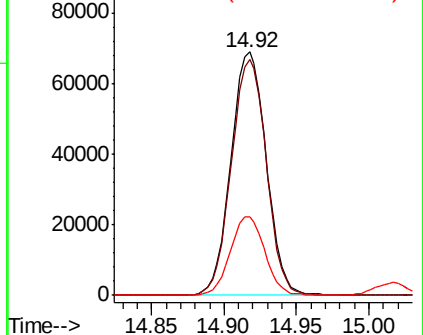
#93
 1,2,4-Trichlorobenzene
 Concen: 18.016 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tgt Ion:180 Resp: 116441
 Ion Ratio Lower Upper
 180 100
 182 96.0 46.9 140.8
 145 31.6 14.9 44.7

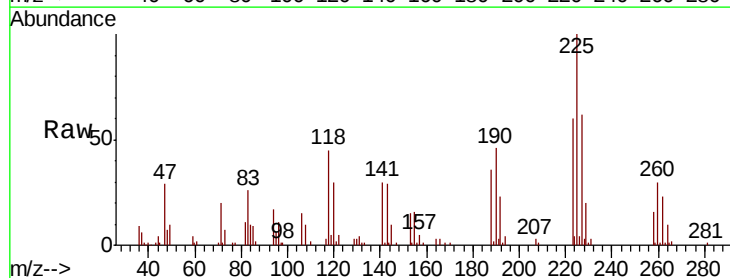


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

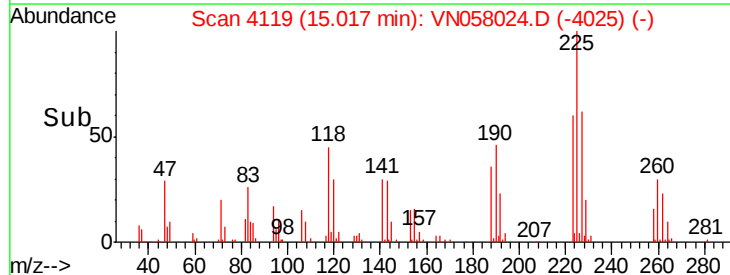
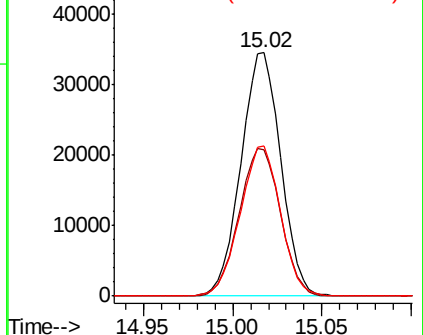


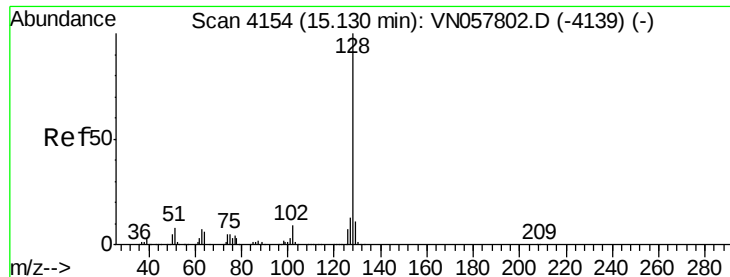
#94
 Hexachlorobutadiene
 Concen: 19.622 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion:225 Resp: 53758
 Ion Ratio Lower Upper
 225 100
 223 62.8 32.4 97.2
 227 62.4 31.8 95.4



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

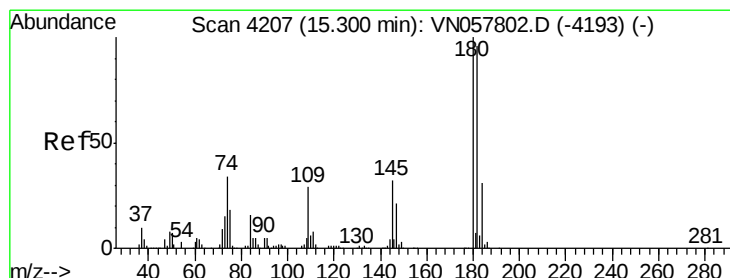
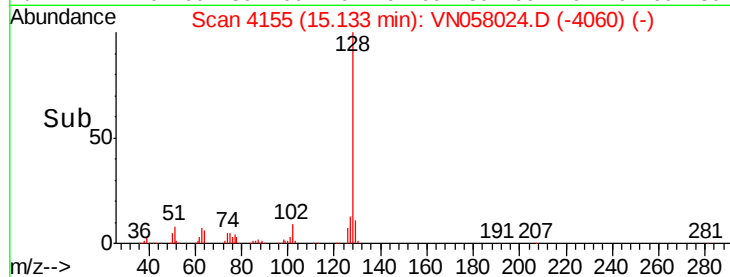
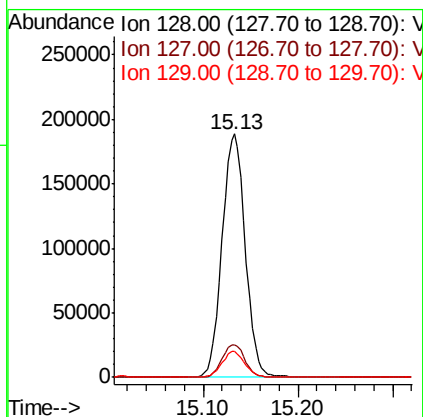
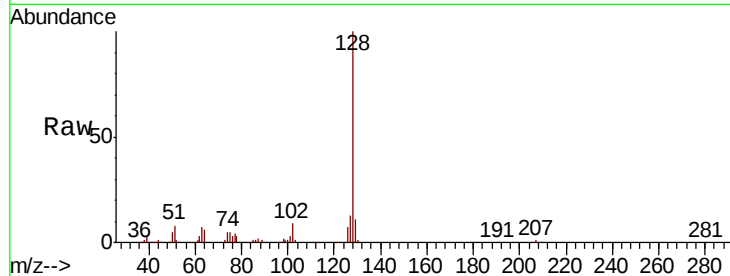




#95
Naphthalene
Concen: 18.685 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tgt Ion:128 Resp: 320930
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.263 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion:180 Resp: 110913
Ion Ratio Lower Upper
180 100
182 95.5 48.3 144.8
145 32.3 16.3 48.8

