

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112619\
 Data File : VN059415.D
 Acq On : 26 Nov 2019 18:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 27 00:44:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	616771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	556105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260987	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	221157	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.57	113	183139	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.08	98	709386	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	253418	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	221046	44.101	ug/l	98
3) Chloromethane	2.04	50	271128	44.155	ug/l	99
4) Vinyl Chloride	2.17	62	296535	46.905	ug/l	99
5) Bromomethane	2.54	94	158033	45.025	ug/l	99
6) Chloroethane	2.68	64	154491	44.776	ug/l	100
7) Trichlorofluoromethane	3.00	101	319351	46.909	ug/l	98
8) Diethyl Ether	3.39	74	141480	50.834	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	201307	48.358	ug/l	99
10) Methyl Iodide	3.93	142	271123	52.404	ug/l	98
11) Tert butyl alcohol	4.76	59	221589	235.601	ug/l	100
12) 1,1-Dichloroethene	3.72	96	200734	47.505	ug/l	96
13) Acrolein	3.58	56	158794	184.955	ug/l	99
14) Allyl chloride	4.30	41	372426	47.179	ug/l	99
15) Acrylonitrile	4.96	53	626926	252.106	ug/l	100
16) Acetone	3.79	43	551096	261.640	ug/l	98
17) Carbon Disulfide	4.03	76	595944	45.014	ug/l	100
18) Methyl Acetate	4.30	43	365258	52.252	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	694566	50.891	ug/l	100
20) Methylene Chloride	4.53	84	228096	48.015	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	216910	48.435	ug/l	99
22) Diisopropyl ether	5.92	45	741943	49.920	ug/l	98
23) Vinyl Acetate	5.87	43	2964016	253.602	ug/l	99
24) 1,1-Dichloroethane	5.82	63	414331	49.526	ug/l	99
25) 2-Butanone	6.81	43	841328	256.870	ug/l	98
26) 2,2-Dichloropropane	6.80	77	339556	46.875	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	249688	49.416	ug/l	98
28) Bromochloromethane	7.17	49	163600	48.103	ug/l	96
29) Tetrahydrofuran	7.19	42	564244	249.141	ug/l	100
30) Chloroform	7.35	83	400180	49.293	ug/l	99
31) Cyclohexane	7.63	56	370851	44.834	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	342528	49.107	ug/l	99
36) 1,1-Dichloropropene	7.77	75	307939	48.363	ug/l	99
37) Ethyl Acetate	6.91	43	335319	49.001	ug/l	98
38) Carbon Tetrachloride	7.75	117	299093	49.068	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	365515	47.606	ug/l	98
40) Benzene	8.02	78	930041	49.767	ug/l	100
41) Methacrylonitrile	7.19	41	486444	160.131	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	303166	49.052	ug/l	100
43) Isopropyl Acetate	8.15	43	535903	51.243	ug/l	99
44) Trichloroethene	8.82	130	233446	49.290	ug/l	98
45) 1,2-Dichloropropane	9.10	63	249911	50.150	ug/l	98
46) Dibromomethane	9.19	93	156694	51.264	ug/l	99
47) Bromodichloromethane	9.39	83	314221	51.330	ug/l	100
48) Methyl methacrylate	9.19	41	240042	50.474	ug/l	97
49) 1,4-Dioxane	9.19	88	65765	920.105	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1663059	271.681	ug/l	99
52) Toluene	10.15	92	565855	50.357	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	359706	50.548	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	396208	51.310	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	225839	51.692	ug/l	99
56) Ethyl methacrylate	10.42	69	357693	48.543	ug/l	98
57) 1,3-Dichloropropane	10.70	76	391996	51.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	593654	222.000	ug/l	98
59) 2-Hexanone	10.75	43	1213459	270.721	ug/l	98
60) Dibromochloromethane	10.90	129	243132	52.810	ug/l	99
61) 1,2-Dibromoethane	11.00	107	231315	50.884	ug/l	98
64) Tetrachloroethene	10.63	164	205744	47.837	ug/l	98
65) Chlorobenzene	11.43	112	589295	49.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224419	51.662	ug/l	99
67) Ethyl Benzene	11.51	91	1067844	50.016	ug/l	100
68) m/p-Xylenes	11.62	106	797817	100.566	ug/l	100
69) o-Xylene	11.95	106	379052	49.909	ug/l	99
70) Styrene	11.96	104	625199	52.169	ug/l	99
71) Bromoform	12.13	173	180091	54.742	ug/l #	99
73) Isopropylbenzene	12.25	105	1021674	47.787	ug/l	99
74) N-amyl acetate	12.07	43	425113	49.476	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	340633	48.164	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	452378	75.028	ug/l #	100
77) Bromobenzene	12.53	156	246870	47.606	ug/l	99
78) n-propylbenzene	12.59	91	1191120	49.184	ug/l	99
79) 2-Chlorotoluene	12.67	91	699345	47.047	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	859214	47.807	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	126399	52.433	ug/l	96
82) 4-Chlorotoluene	12.77	91	714307	46.436	ug/l	99
83) tert-Butylbenzene	12.99	119	739645	48.728	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	850959	48.335	ug/l	100
85) sec-Butylbenzene	13.17	105	986716	48.365	ug/l	100
86) p-Isopropyltoluene	13.29	119	890296	49.041	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	436052	47.218	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	431568	47.233	ug/l	99
89) n-Butylbenzene	13.62	91	760142	47.731	ug/l	99
90) Hexachloroethane	13.88	117	167153	48.617	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	422821	47.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67477	44.876	ug/l	99

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Response via : Initial Calibration

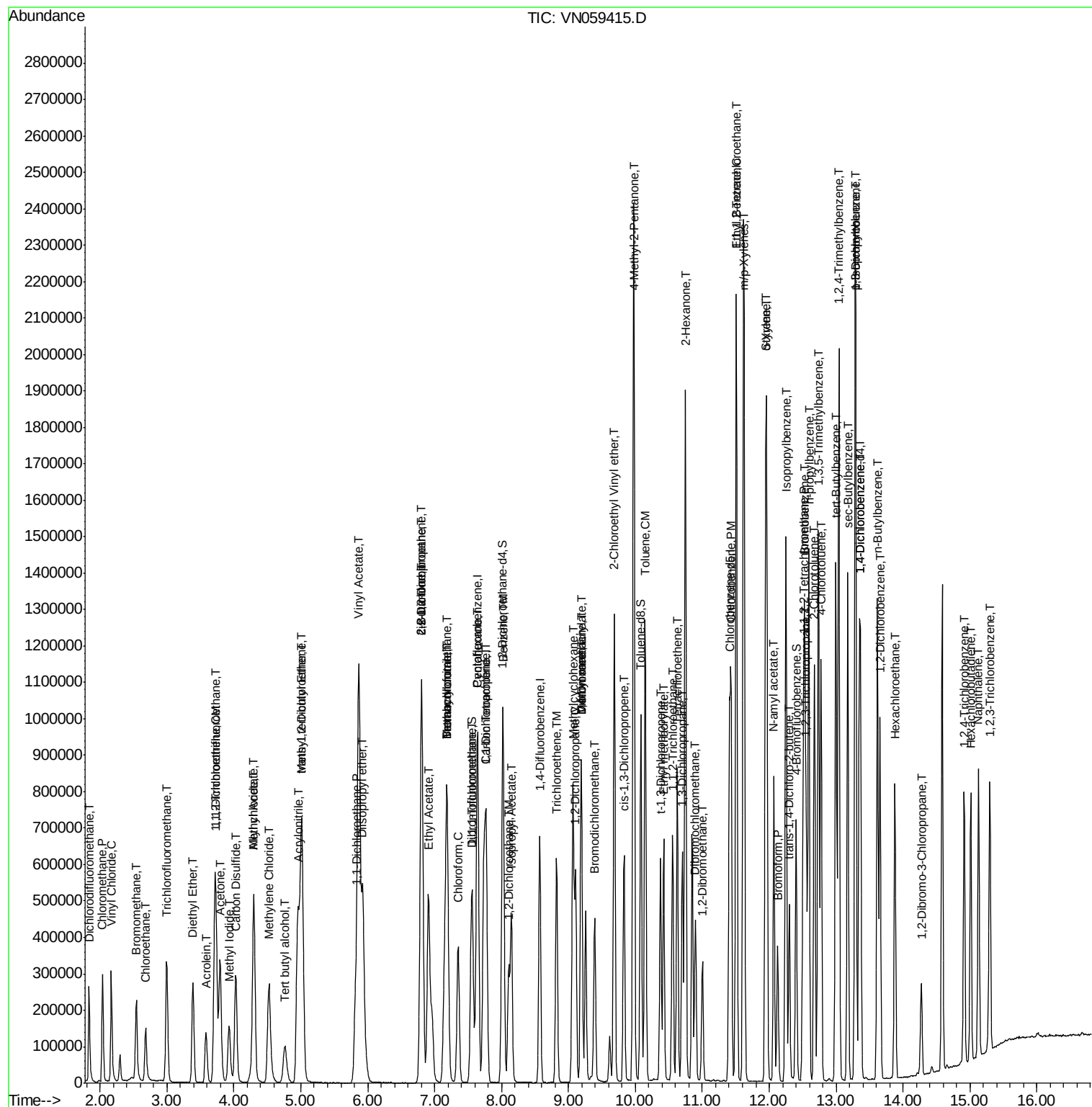
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	247622	44.879	ug/l	99
94) Hexachlorobutadiene	15.01	225	147147	45.711	ug/l	99
95) Naphthalene	15.13	128	658184	43.232	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	249595	45.922	ug/l	100

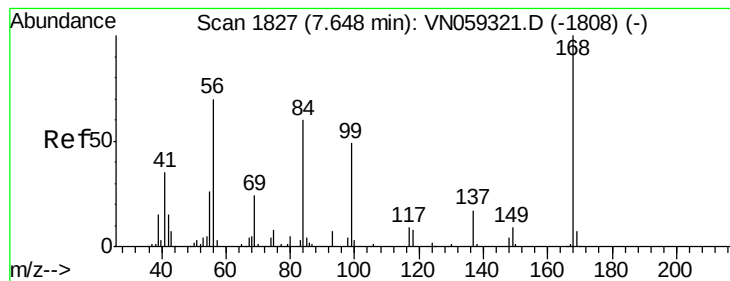
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

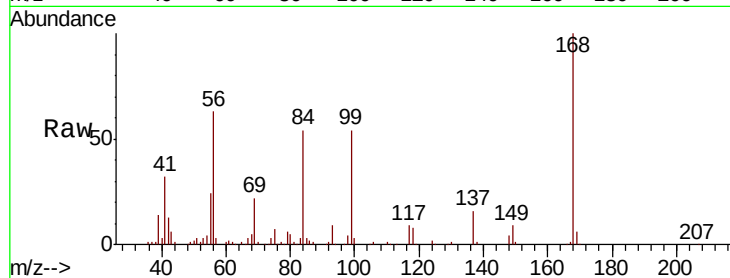
VSTDCCC050EC

Tot Ion:168 Resp: 391520

Ion Ratio Lower Upper

168 100

99 53.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

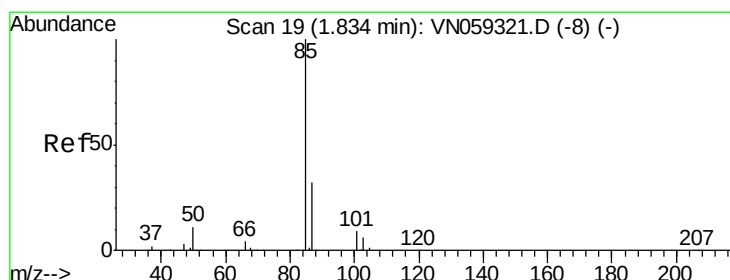
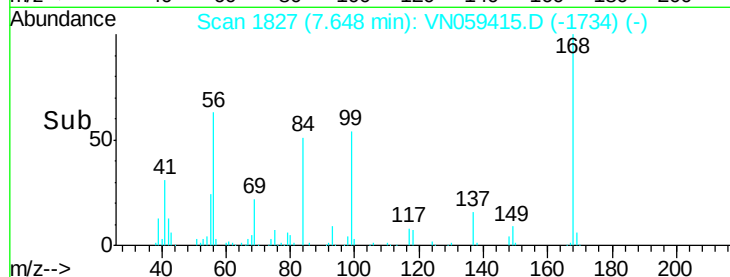
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.101 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059415.D

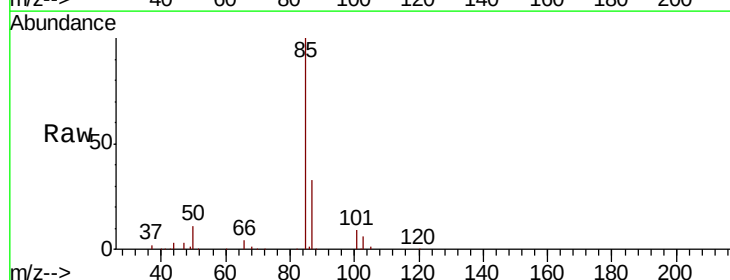
Acq: 26 Nov 2019 18:25

Tgt Ion: 85 Resp: 221046

Ion Ratio Lower Upper

85 100

87 33.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

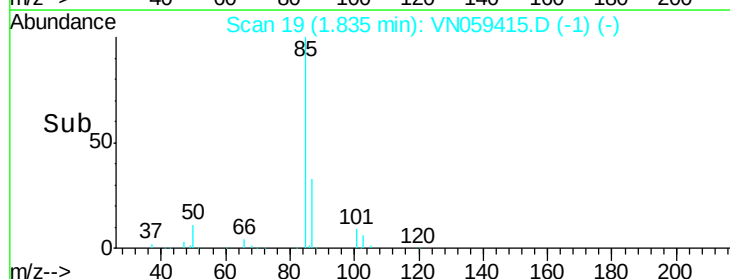
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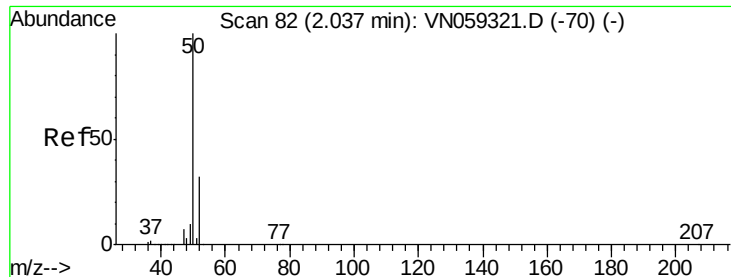
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.155 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

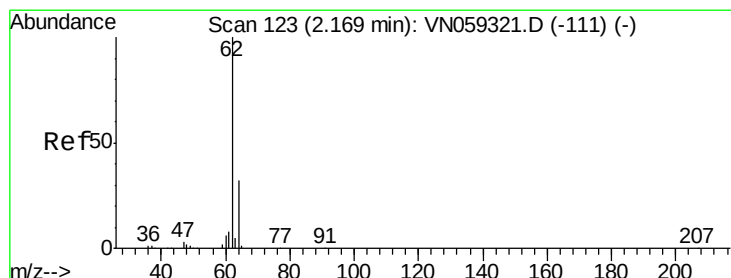
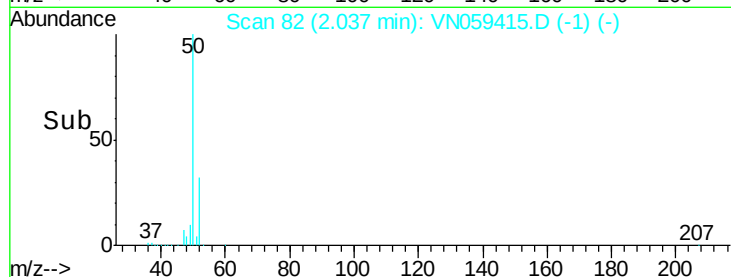
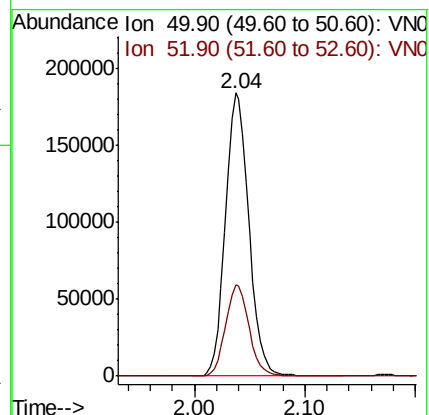
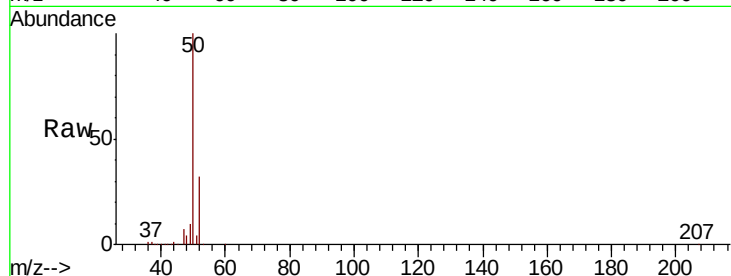
VSTDCCC050EC

Tot Ion: 50 Resp: 271128

Ion Ratio Lower Upper

50 100

52 32.1 26.0 39.0



#4

Vinyl Chloride

Concen: 46.905 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059415.D

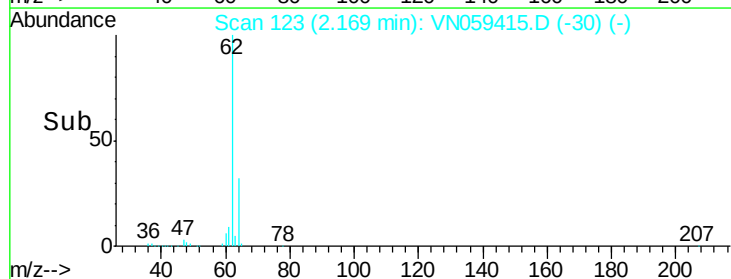
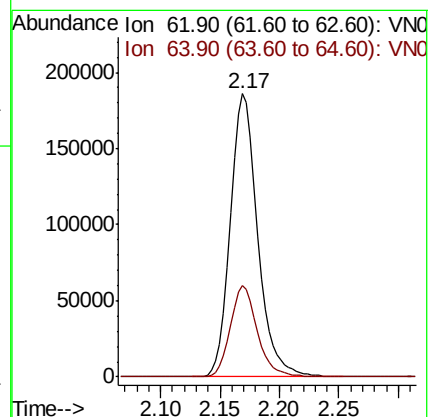
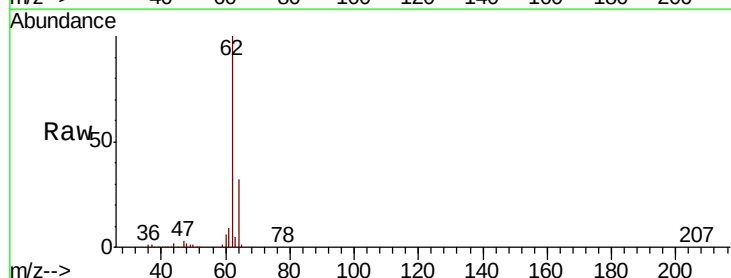
Acq: 26 Nov 2019 18:25

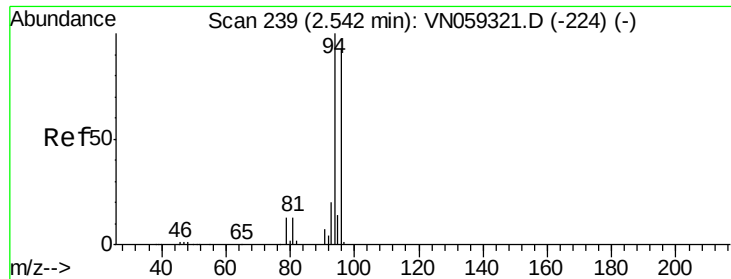
Tgt Ion: 62 Resp: 296535

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 45.025 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

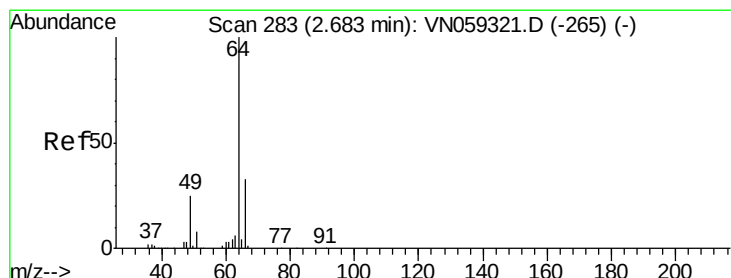
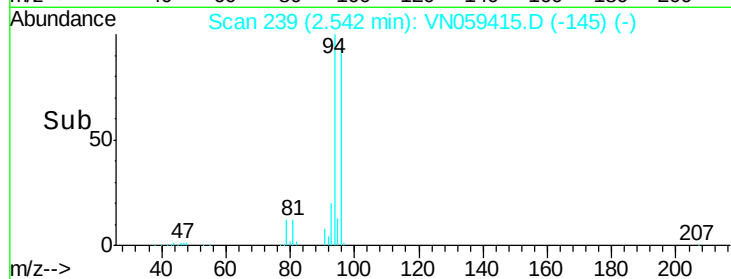
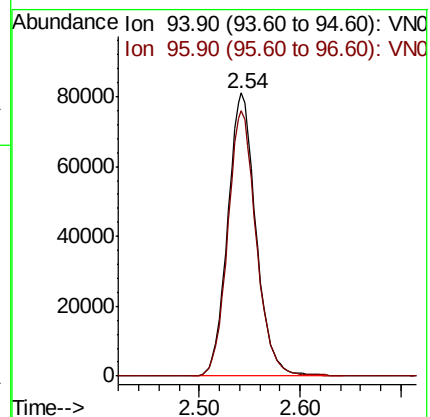
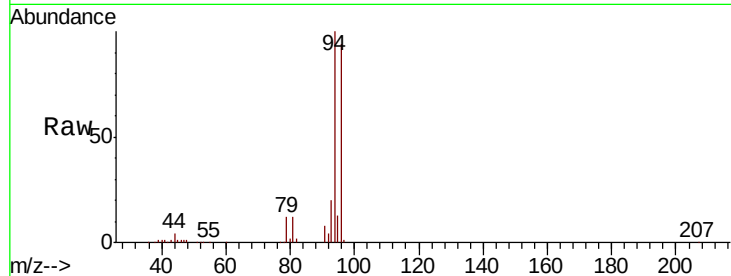
VSTDCCC050EC

Tot Ion: 94 Resp: 158033

Ion Ratio Lower Upper

94 100

96 93.7 74.5 111.7



#6

Chloroethane

Concen: 44.776 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059415.D

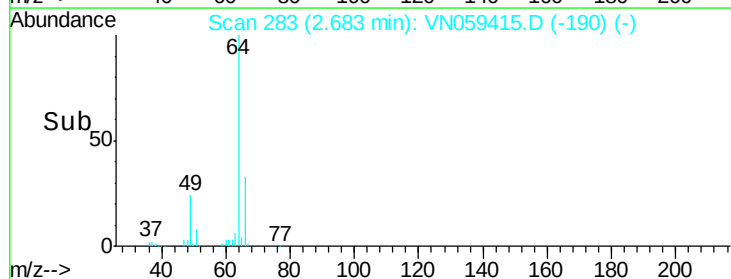
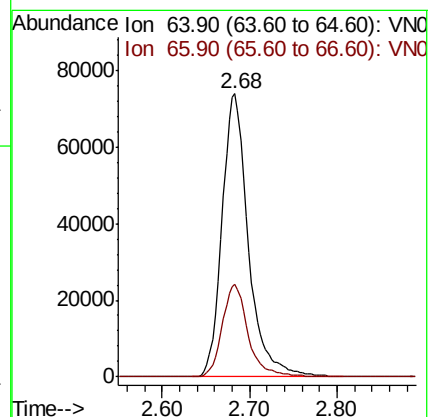
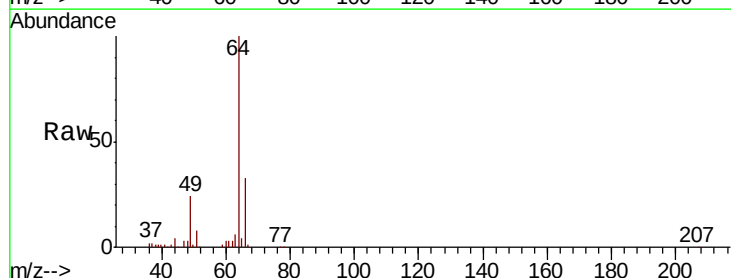
Acq: 26 Nov 2019 18:25

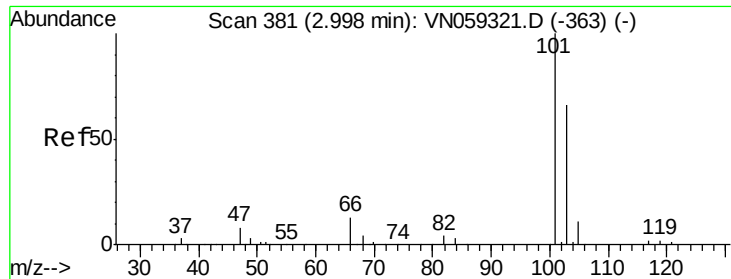
Tgt Ion: 64 Resp: 154491

Ion Ratio Lower Upper

64 100

66 32.6 26.2 39.2



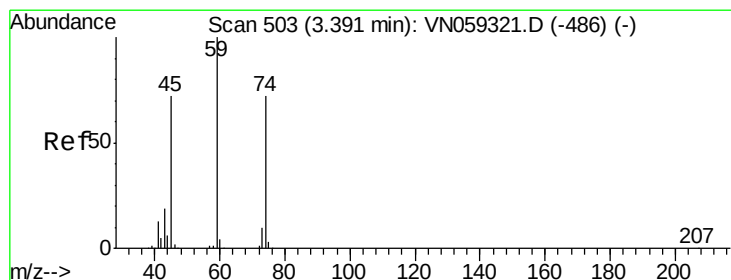
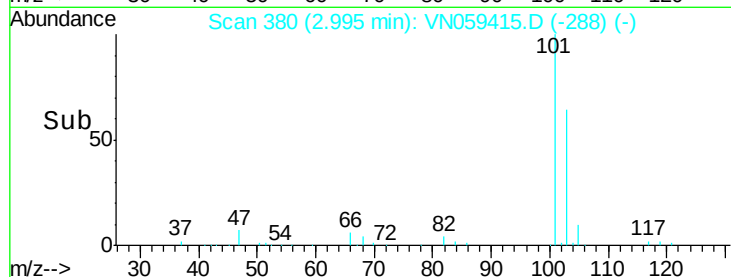
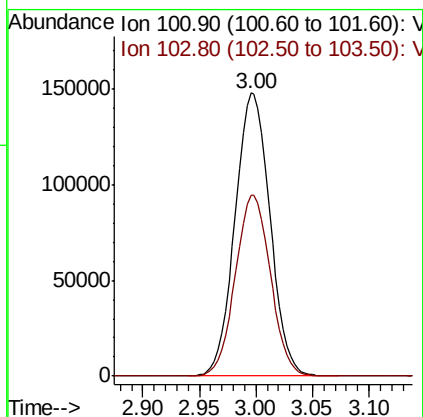
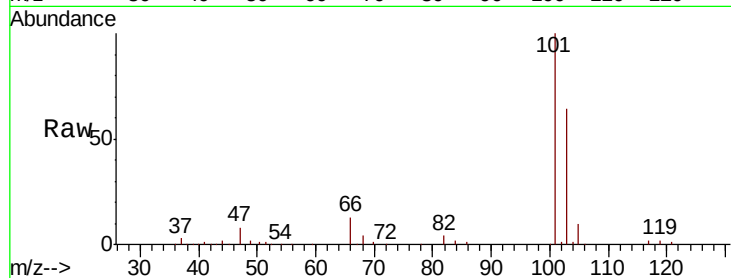


#7

Trichlorofluoromethane
Concen: 46.909 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
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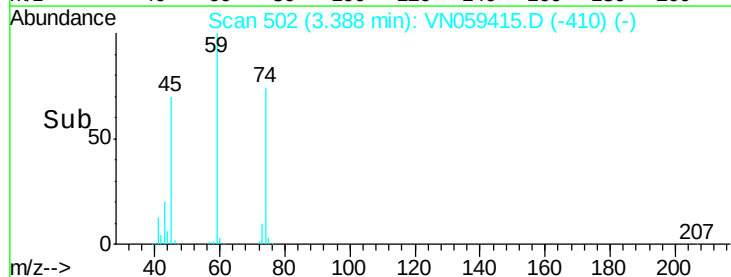
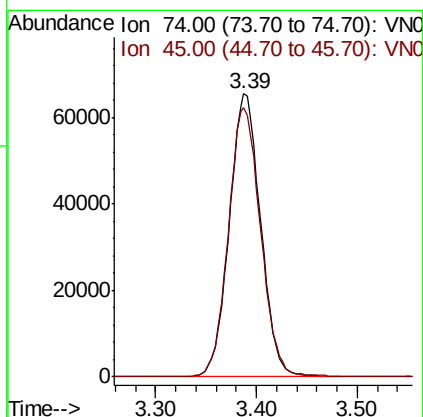
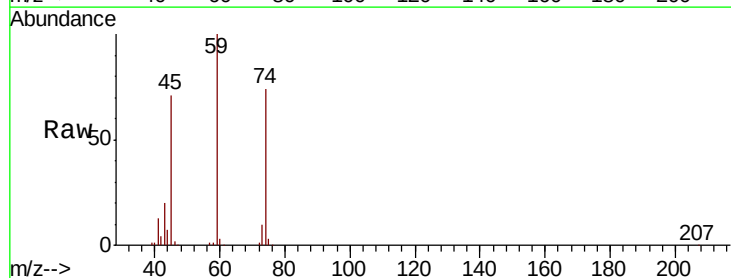
Tot Ion:101 Resp: 319351
Ion Ratio Lower Upper
101 100
103 64.0 52.5 78.7

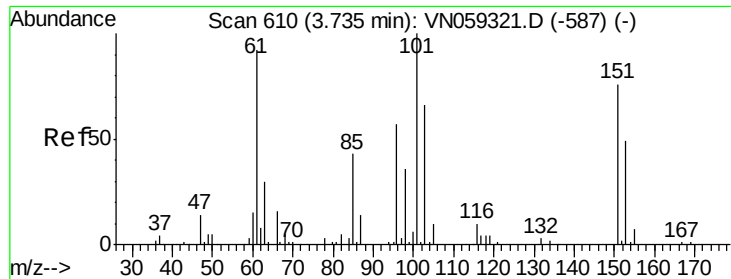


#8

Diethyl Ether
Concen: 50.834 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 74 Resp: 141480
Ion Ratio Lower Upper
74 100
45 97.9 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.358 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

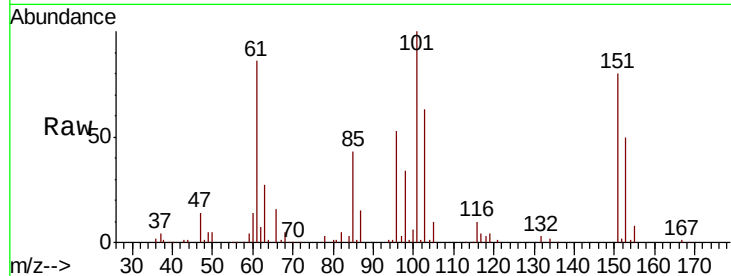
Tot Ion:101 Resp: 201307

Ion Ratio Lower Upper

101 100

85 43.3 34.8 52.2

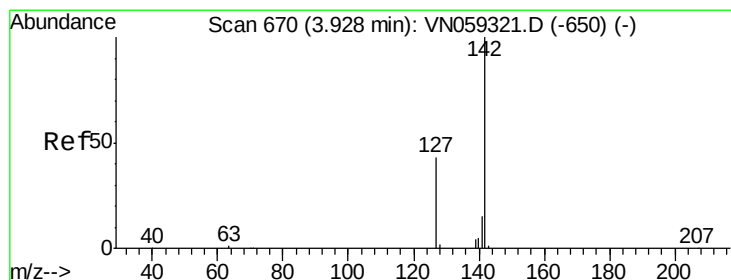
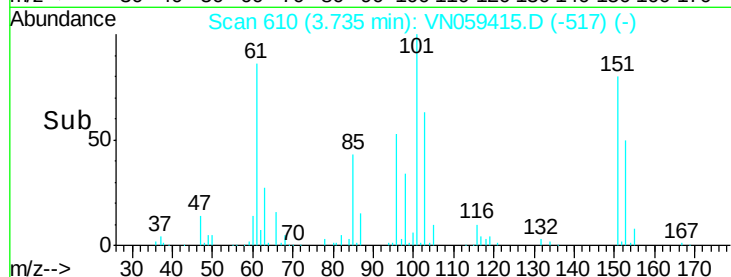
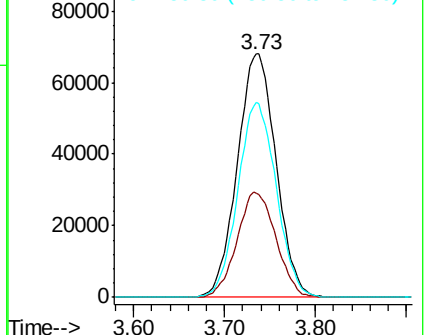
151 79.5 62.2 93.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.404 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

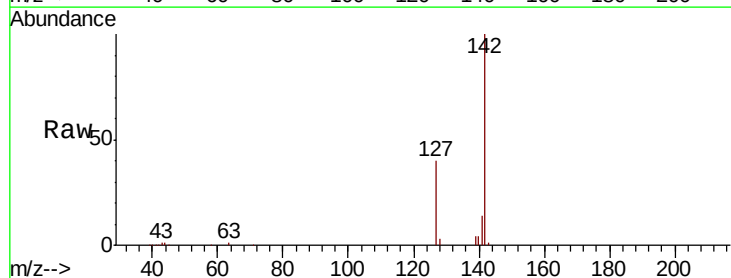
Tgt Ion:142 Resp: 271123

Ion Ratio Lower Upper

142 100

127 40.9 33.8 50.6

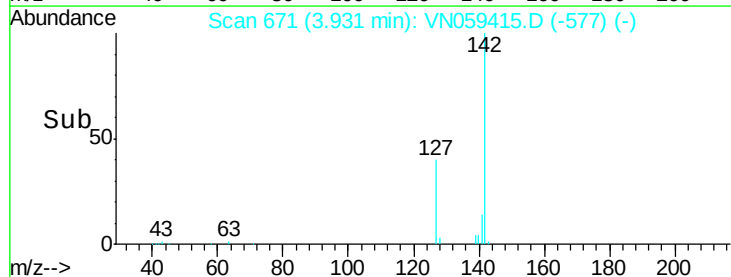
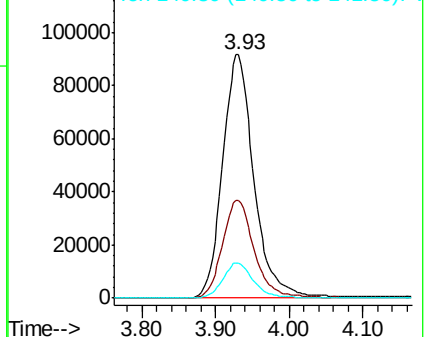
141 14.2 11.2 16.8

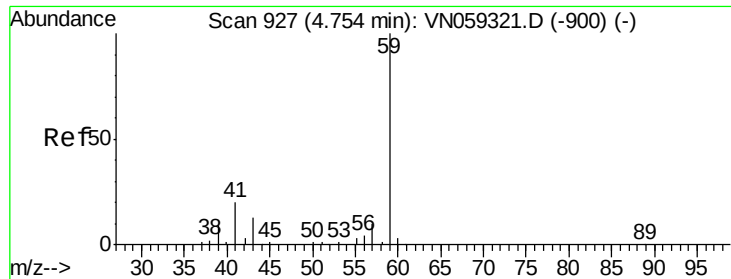


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

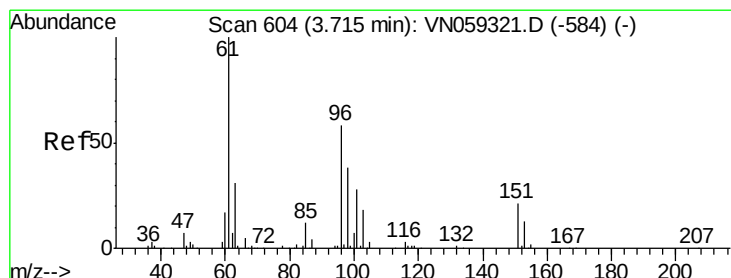
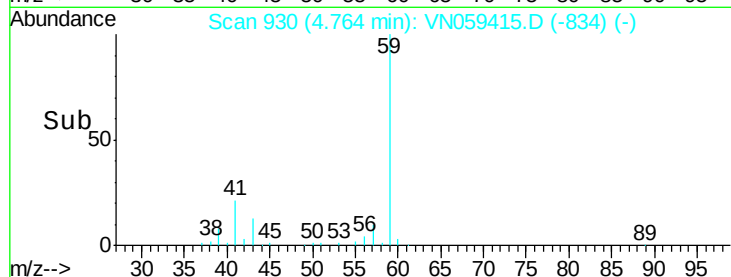
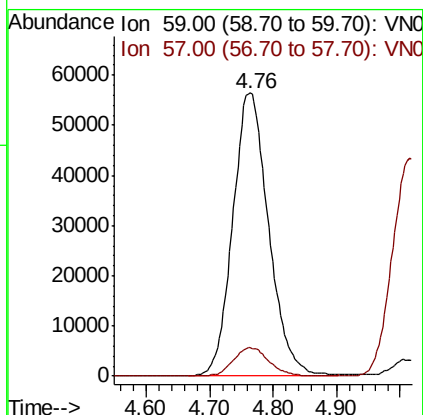
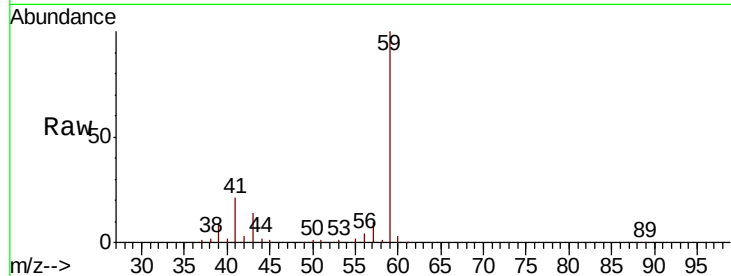




#11
Tert butyl alcohol
Concen: 235.601 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

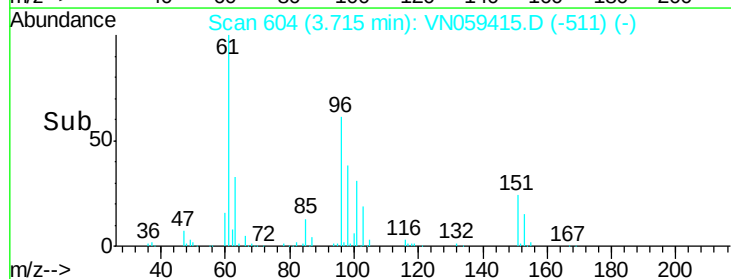
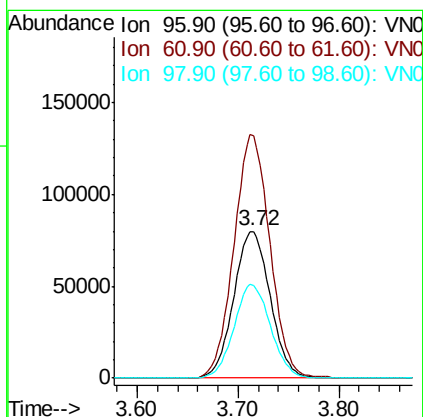
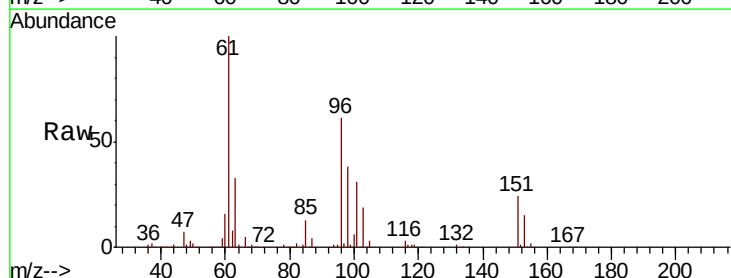
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

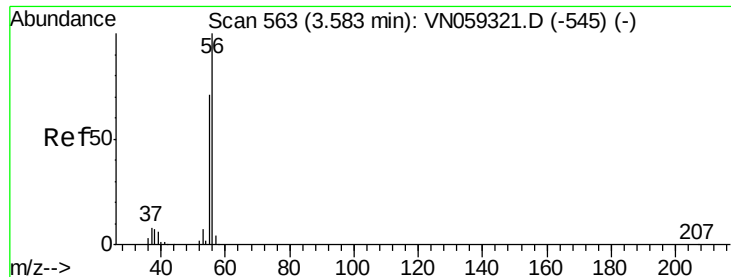
Tot Ion: 59 Resp: 221589
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 47.505 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 96 Resp: 200734
Ion Ratio Lower Upper
96 100
61 164.9 136.8 205.2
98 63.3 51.6 77.4





#13

Acrolein

Concen: 184.955 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

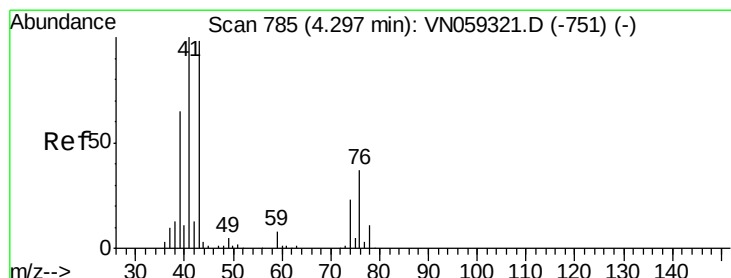
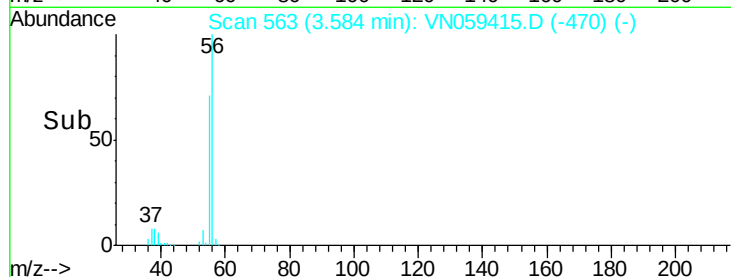
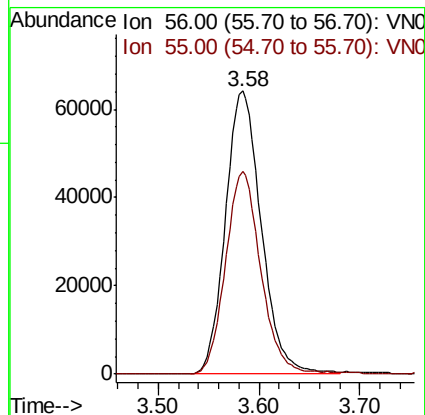
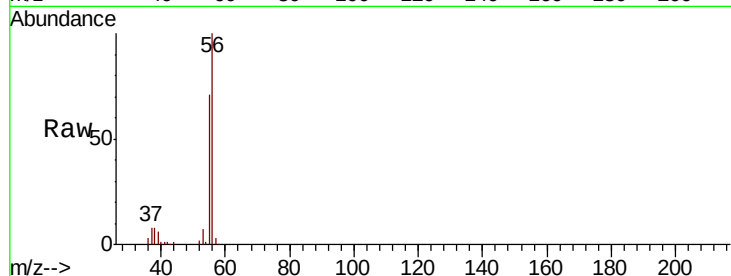
VSTDCCC050EC

Tot Ion: 56 Resp: 158794

Ion Ratio Lower Upper

56 100

55 71.0 57.4 86.0



#14

Allyl chloride

Concen: 47.179 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

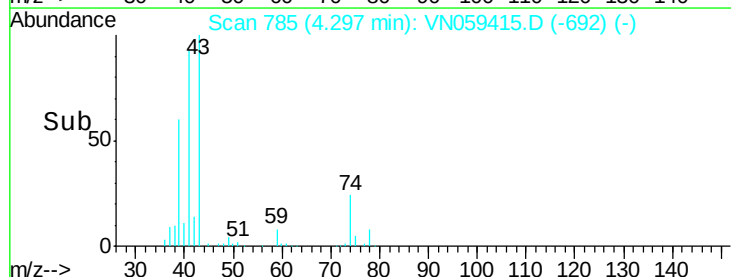
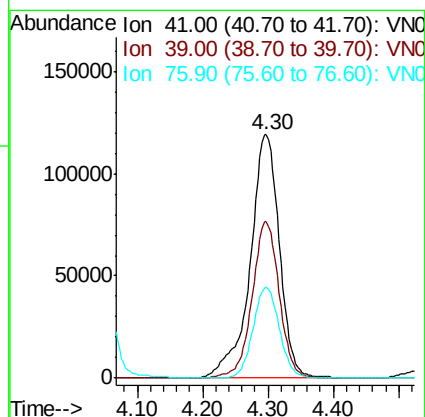
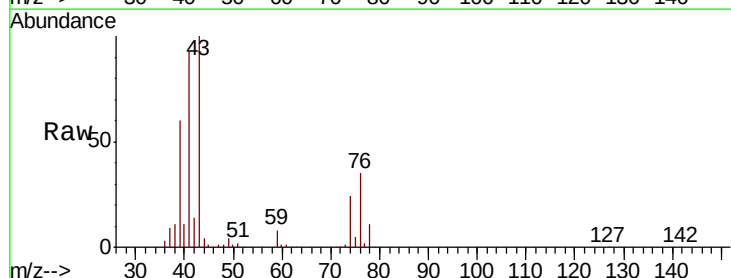
Tgt Ion: 41 Resp: 372426

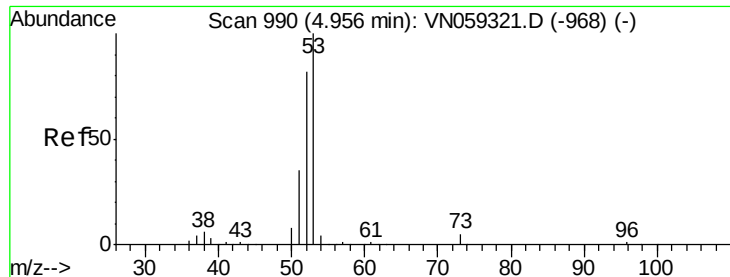
Ion Ratio Lower Upper

41 100

39 59.7 48.4 72.6

76 33.5 26.2 39.4





#15

Acrylonitrile

Concen: 252.106 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

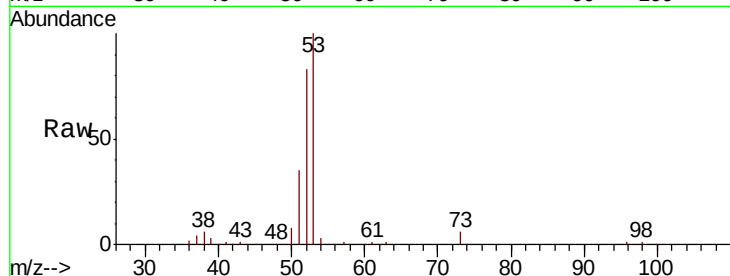
Tot Ion: 53 Resp: 626926

Ion Ratio Lower Upper

53 100

52 82.0 65.8 98.8

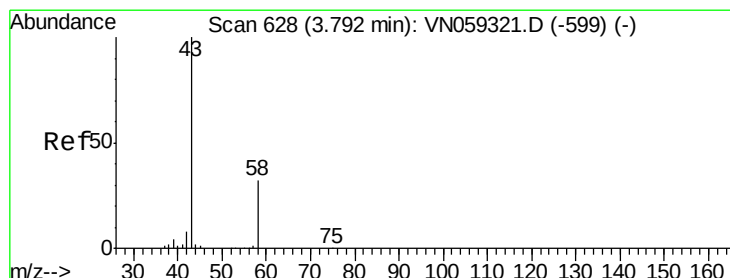
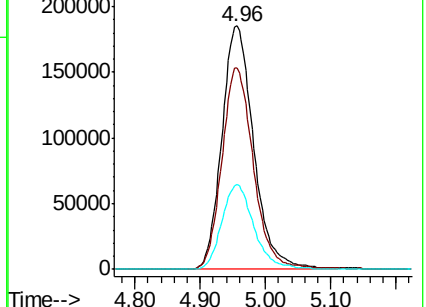
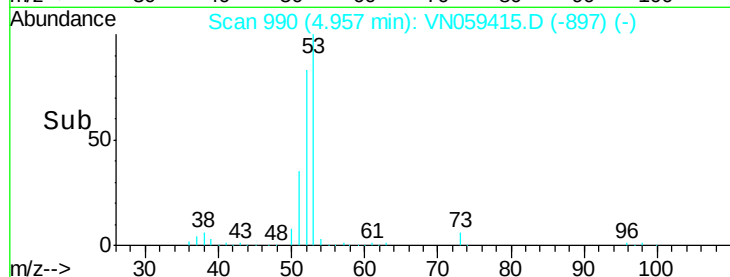
51 35.2 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN059415.D (-897) (-)

Ion 52.00 (51.70 to 52.70): VN059415.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VN059415.D (-897) (-)



#16

Acetone

Concen: 261.640 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059415.D

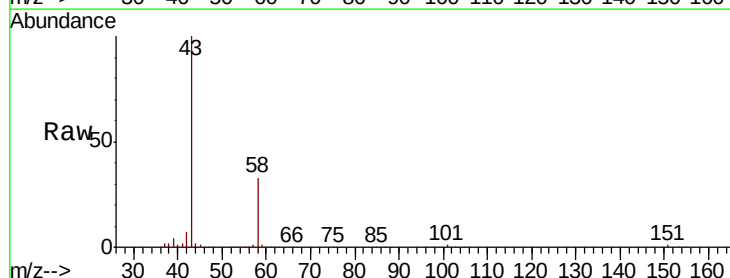
Acq: 26 Nov 2019 18:25

Tgt Ion: 43 Resp: 551096

Ion Ratio Lower Upper

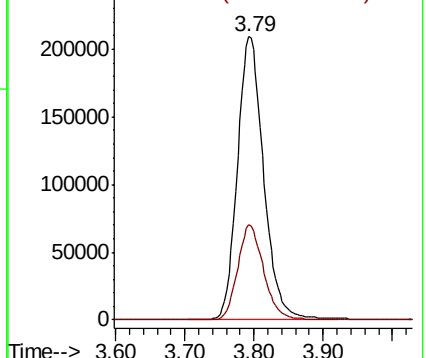
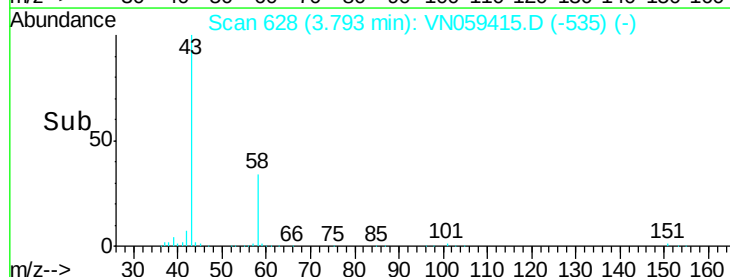
43 100

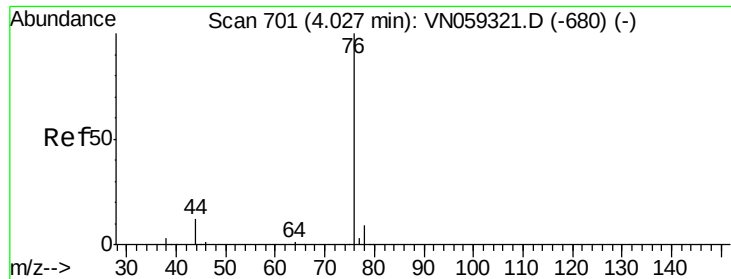
58 33.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059415.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN059415.D (-535) (-)

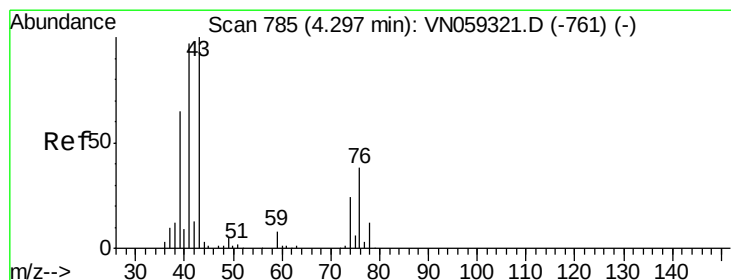
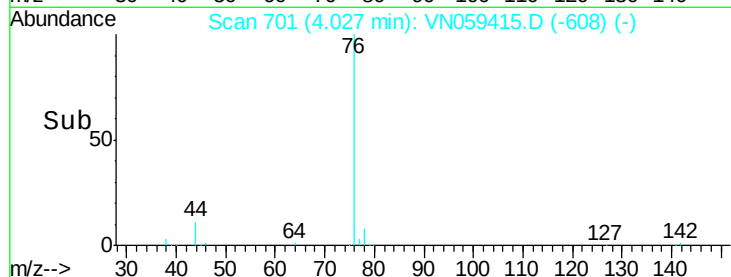
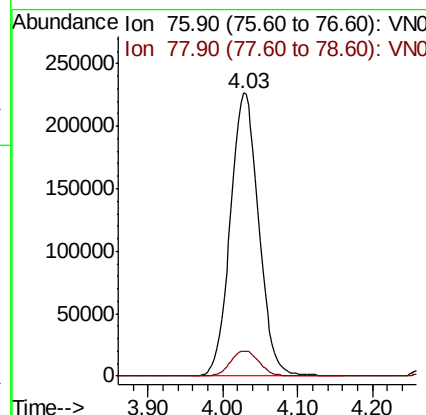
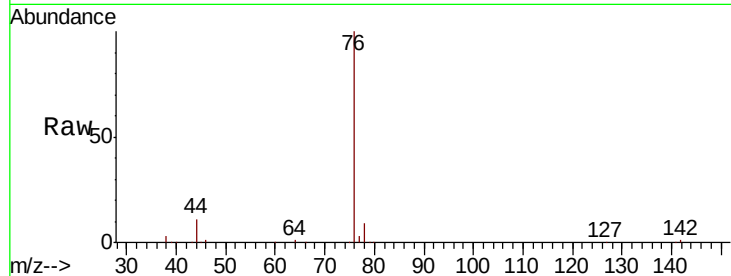




#17
Carbon Disulfide
Concen: 45.014 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

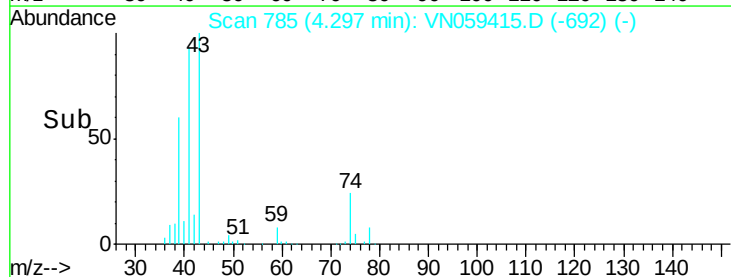
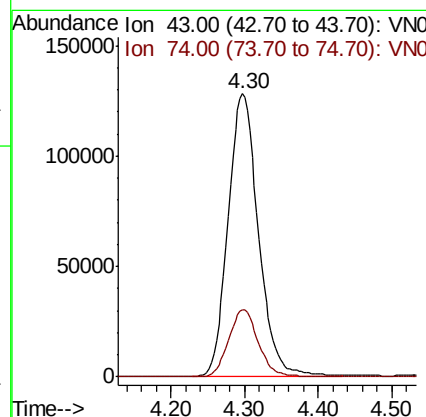
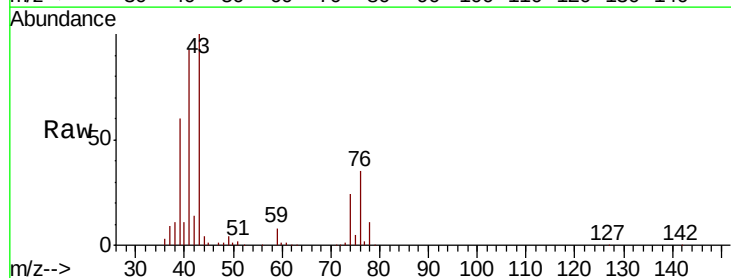
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

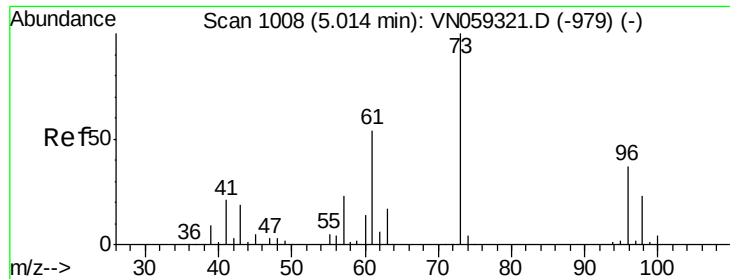
Tot Ion: 76 Resp: 595944
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 52.252 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 43 Resp: 365258
Ion Ratio Lower Upper
43 100
74 23.3 18.1 27.1





#19

Methyl tert-butyl Ether

Concen: 50.891 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

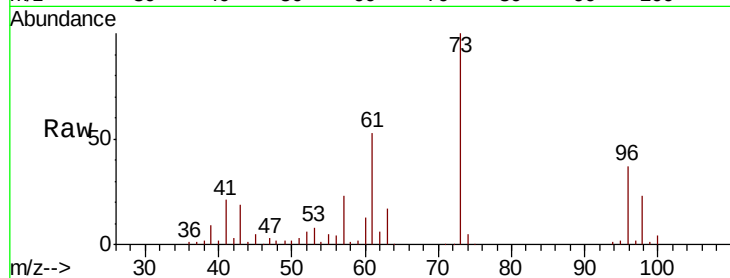
VSTDCCC050EC

Tot Ion: 73 Resp: 694566

Ion Ratio Lower Upper

73 100

57 23.2 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.01

200000

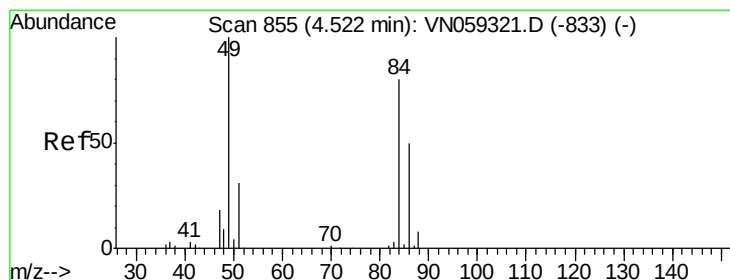
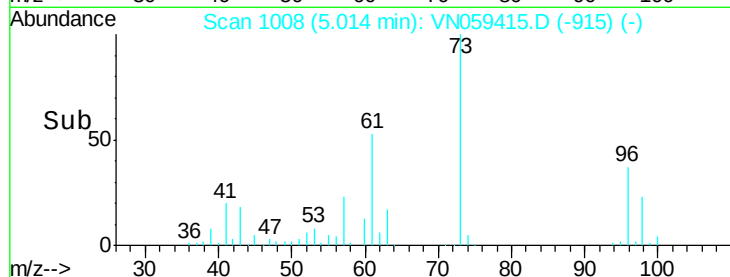
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 48.015 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion: 84 Resp: 228096

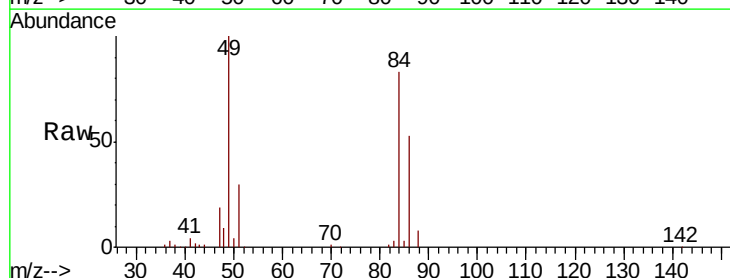
Ion Ratio Lower Upper

84 100

49 119.9 99.5 149.3

51 36.2 31.1 46.7

86 63.6 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

120000

100000

80000

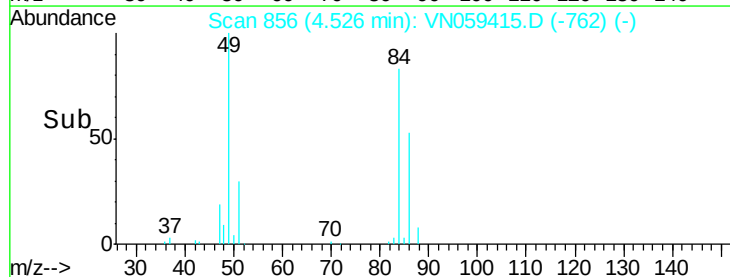
60000

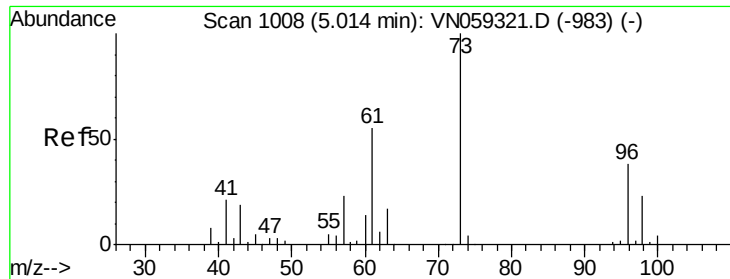
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 48.435 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

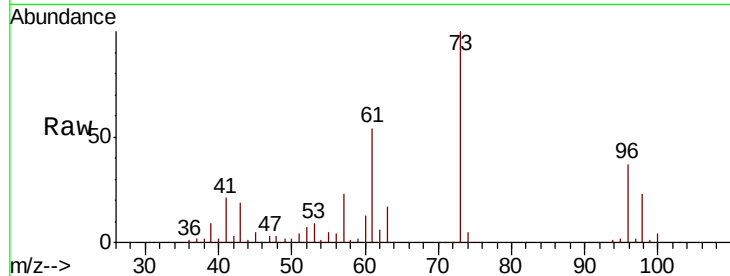
Tot Ion: 96 Resp: 216910

Ion Ratio Lower Upper

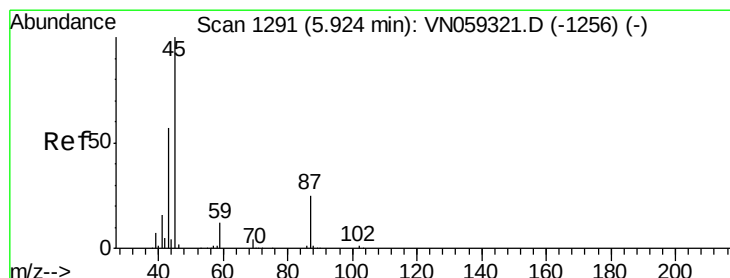
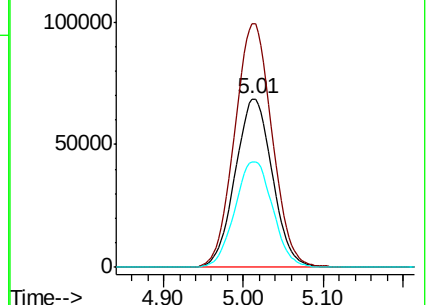
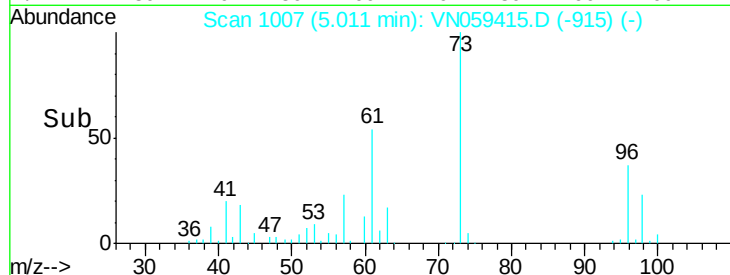
96 100

61 144.4 116.4 174.6

98 62.8 49.6 74.4



Abundance Ion 95.90 (95.60 to 96.60): VN059415.D (-915) (-)



#22

Diisopropyl ether

Concen: 49.920 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion: 45 Resp: 741943

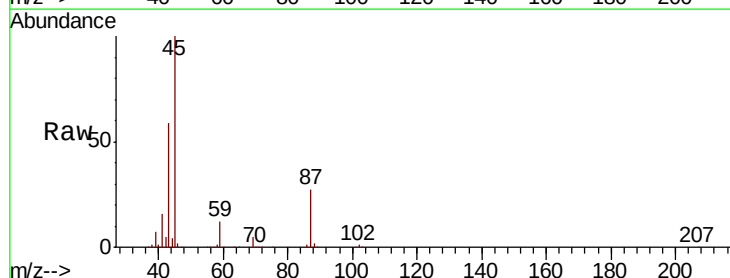
Ion Ratio Lower Upper

45 100

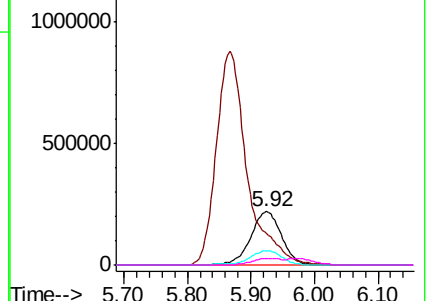
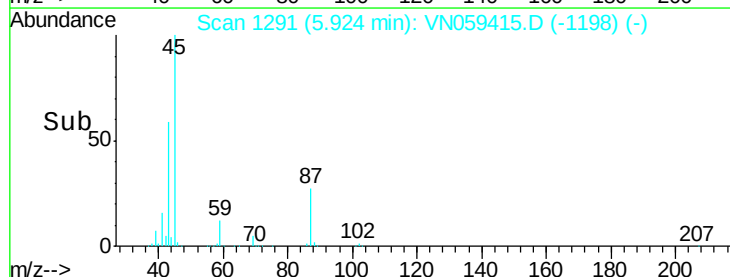
43 58.2 47.6 71.4

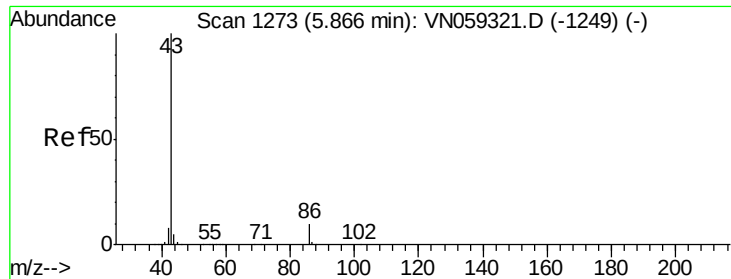
87 26.8 20.7 31.1

59 11.7 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN059415.D (-1198) (-)

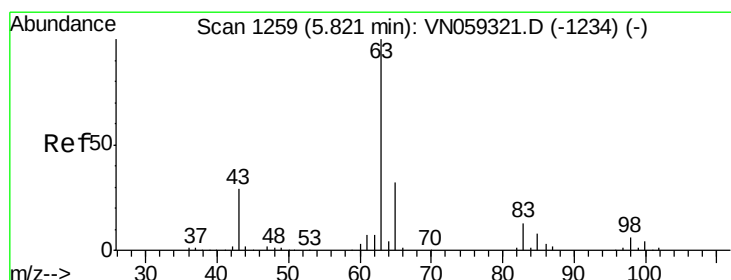
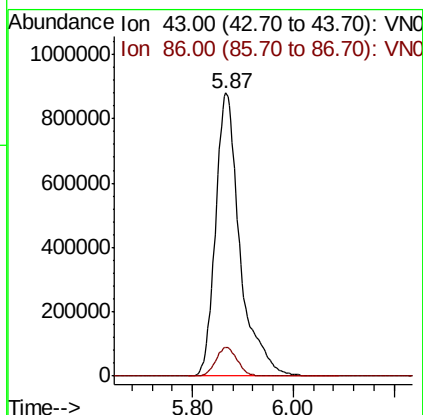
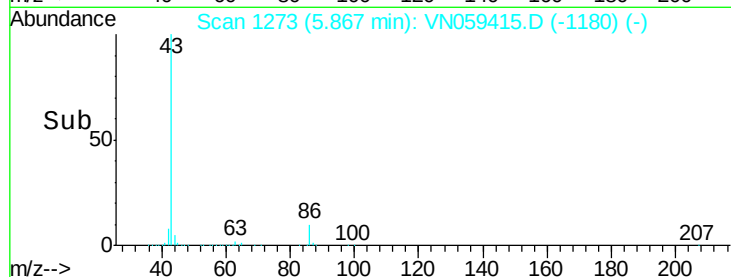
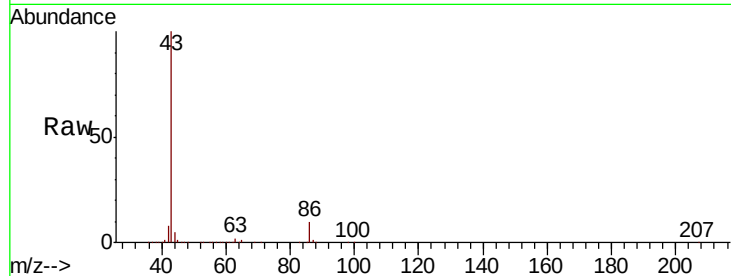




#23
 Vinyl Acetate
 Concen: 253.602 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

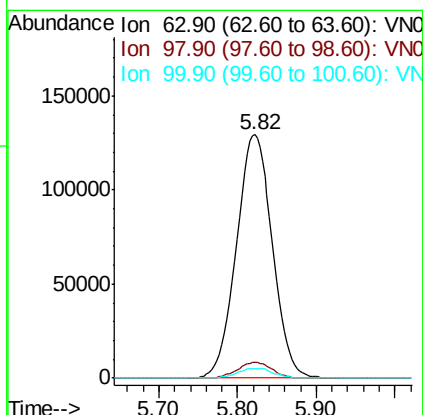
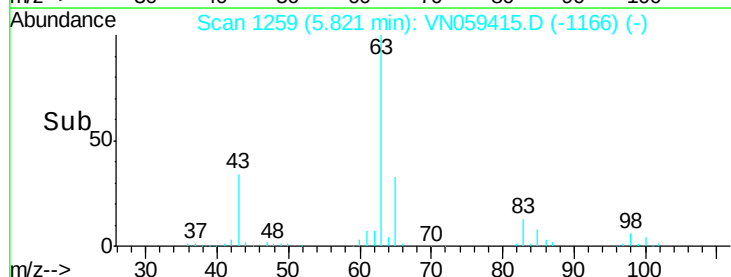
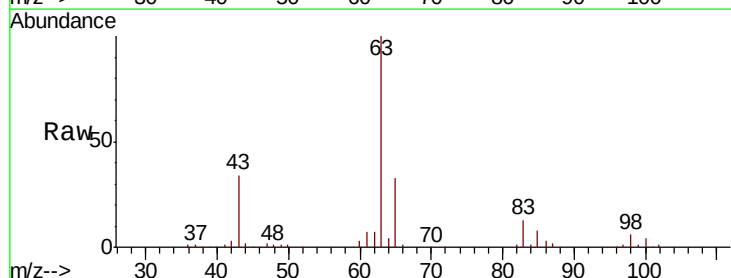
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

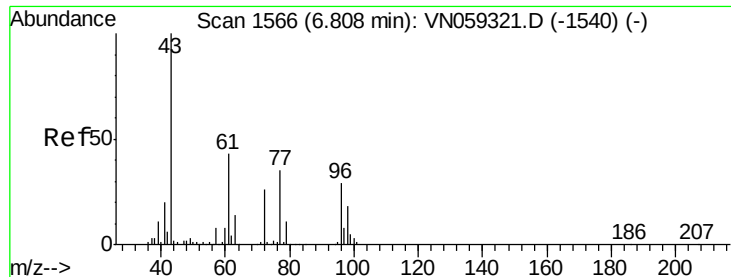
Tot Ion: 43 Resp: 2964016
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 49.526 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion: 63 Resp: 414331
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.8
 100 4.0 1.9 5.7





#25

2-Butanone

Concen: 256.870 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

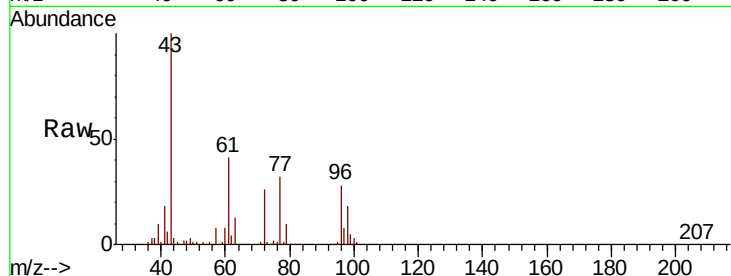
VSTDCCC050EC

Tot Ion: 43 Resp: 841328

Ion Ratio Lower Upper

43 100

72 26.5 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

300000

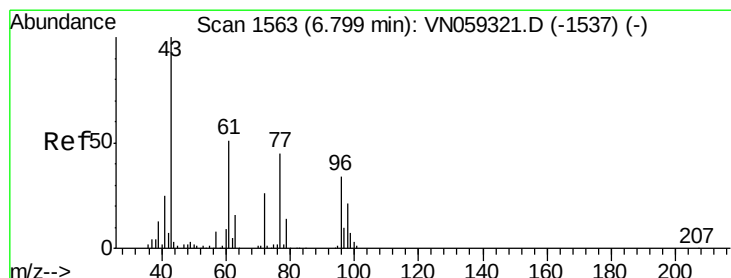
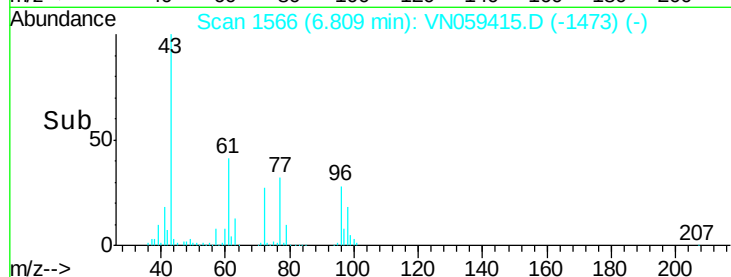
200000

100000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 46.875 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059415.D

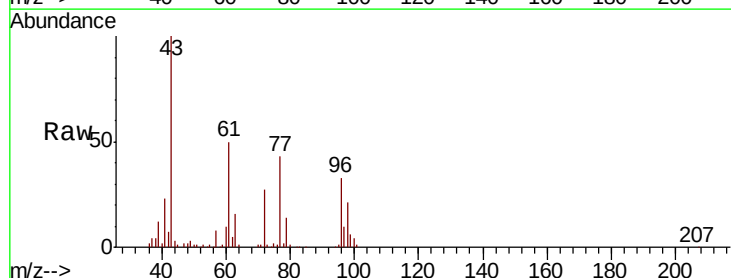
Acq: 26 Nov 2019 18:25

Tgt Ion: 77 Resp: 339556

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

120000

100000

80000

60000

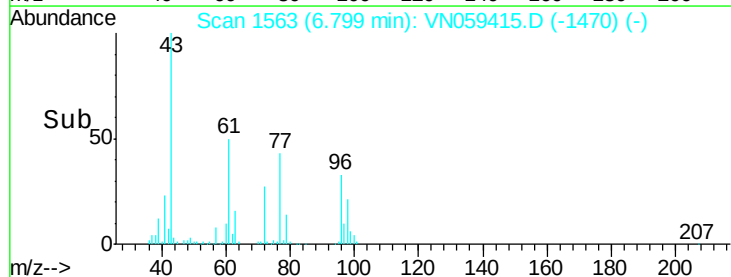
40000

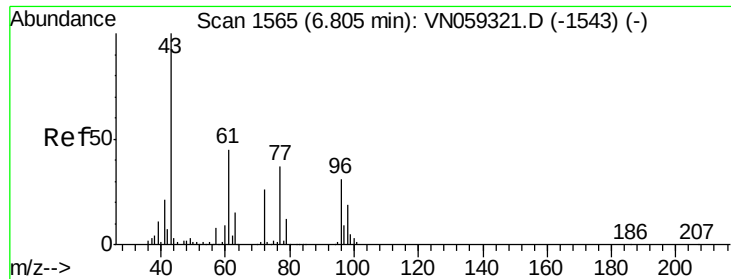
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.416 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

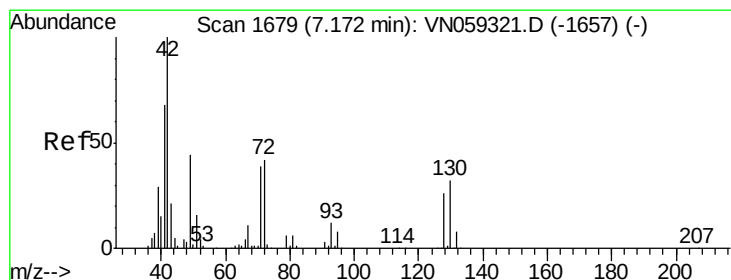
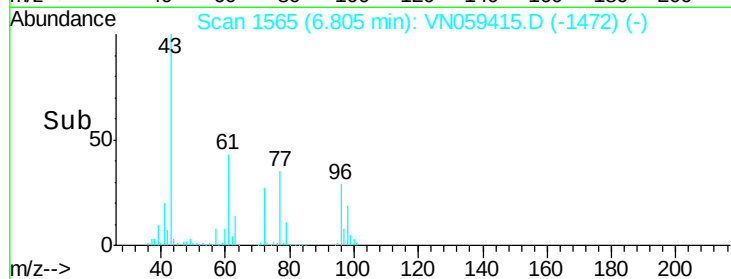
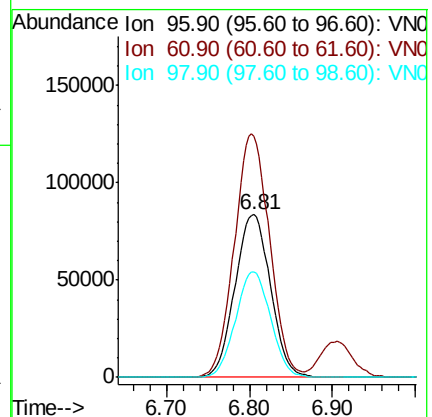
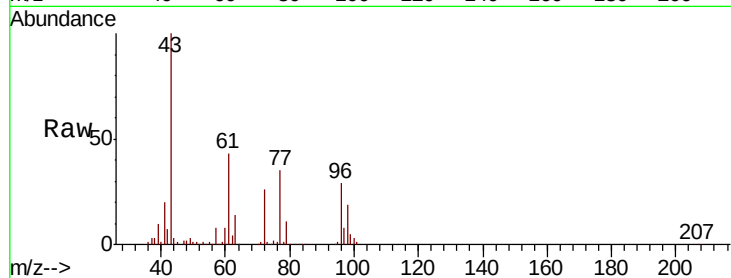
Tot Ion: 96 Resp: 249688

Ion Ratio Lower Upper

96 100

61 148.0 0.0 304.0

98 64.0 0.0 128.4



#28

Bromochloromethane

Concen: 48.103 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

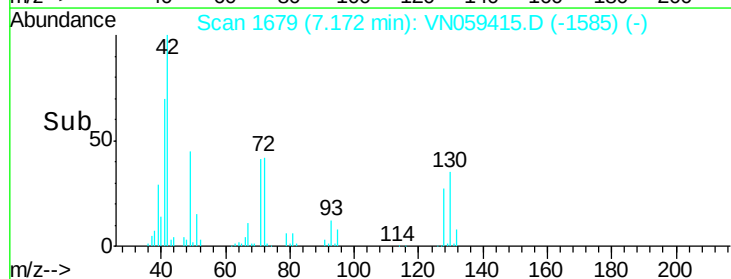
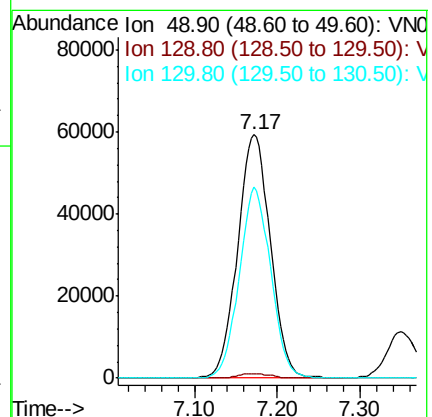
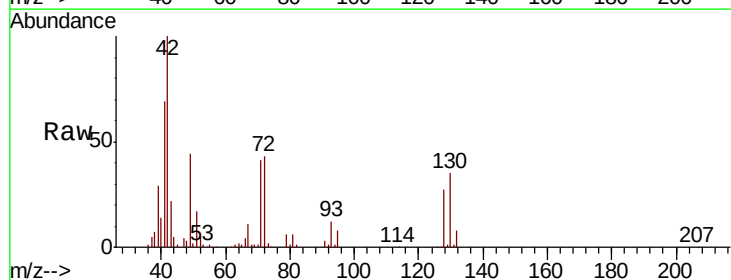
Tgt Ion: 49 Resp: 163600

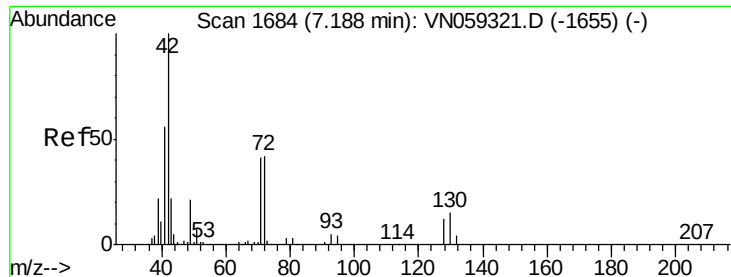
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

130 74.9 57.0 85.6





#29

Tetrahydrofuran

Concen: 249.141 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

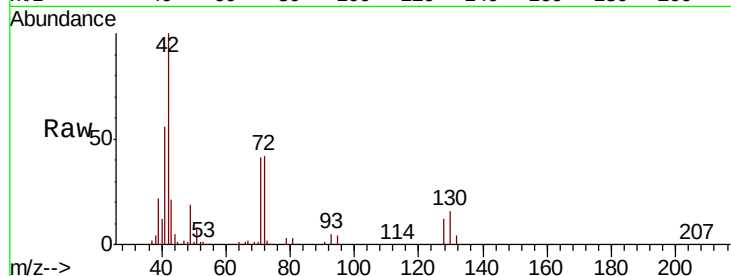
Tot Ion: 42 Resp: 564244

Ion Ratio Lower Upper

42 100

72 43.2 34.2 51.2

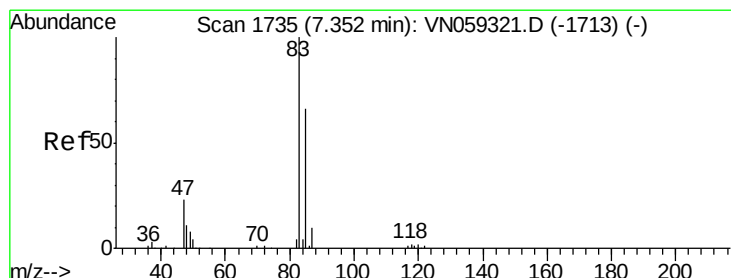
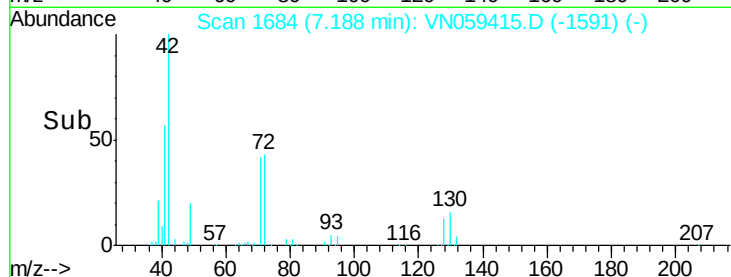
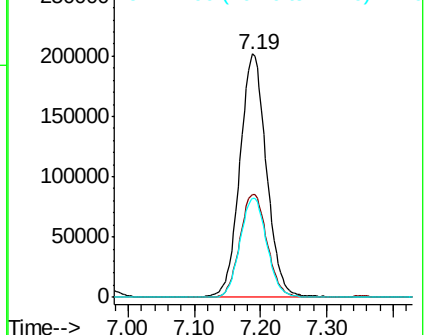
71 40.8 32.6 48.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.293 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN059415.D

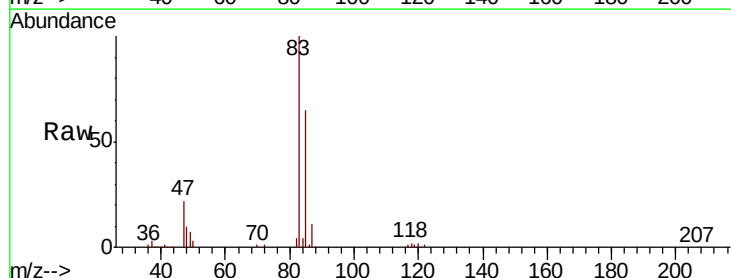
Acq: 26 Nov 2019 18:25

Tgt Ion: 83 Resp: 400180

Ion Ratio Lower Upper

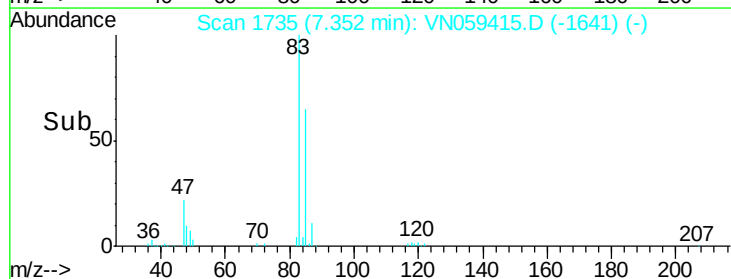
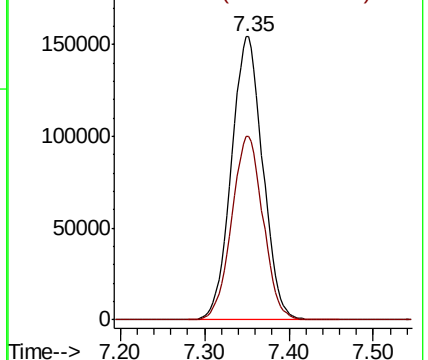
83 100

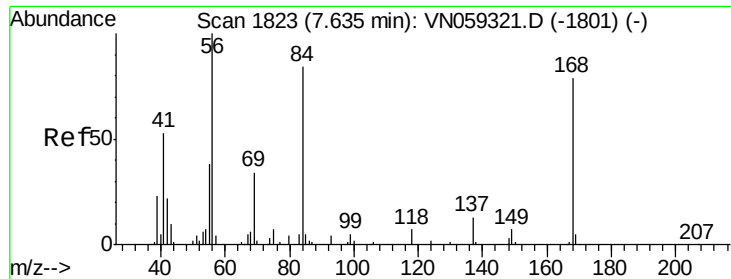
85 65.0 52.7 79.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

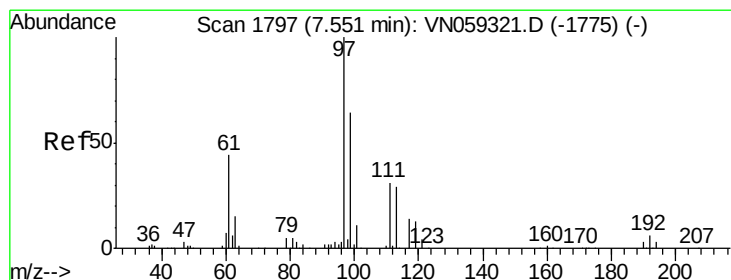
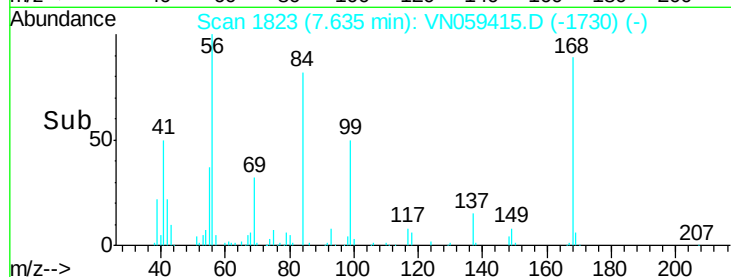
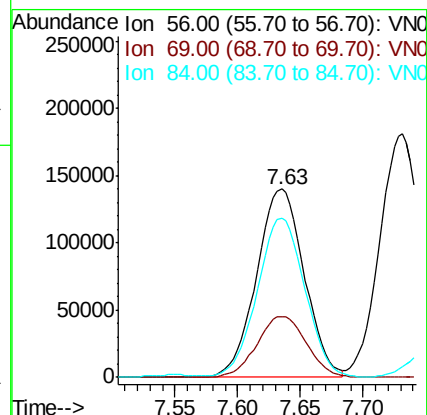
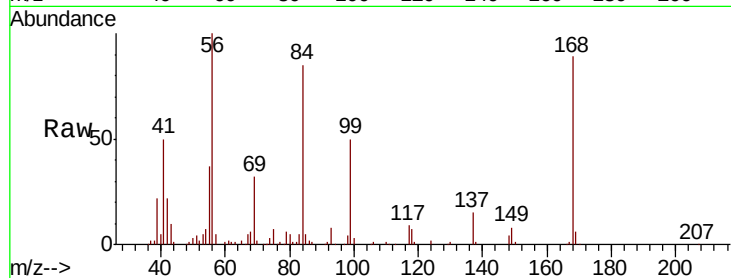




#31
Cyclohexane
Concen: 44.834 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

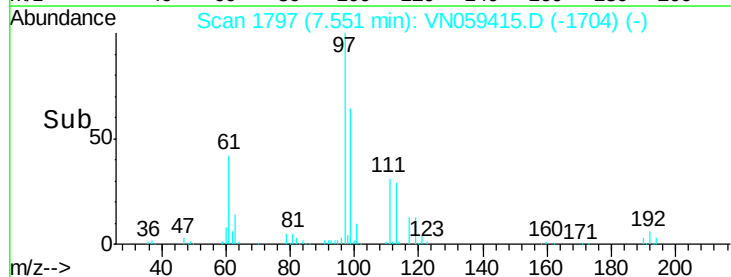
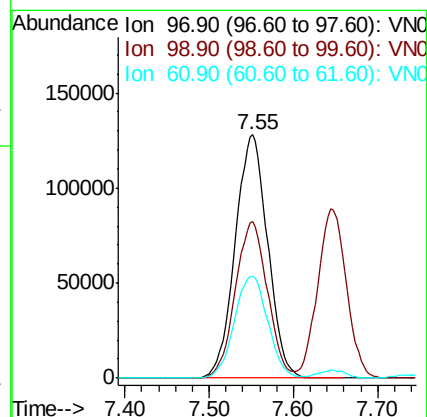
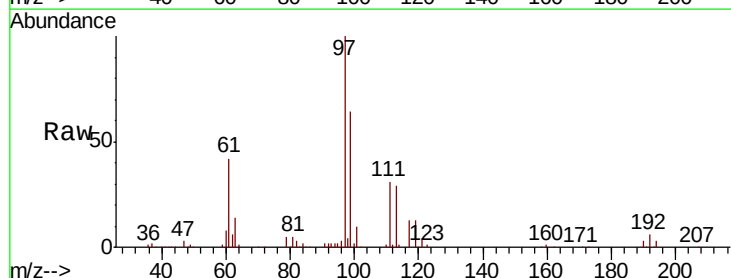
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

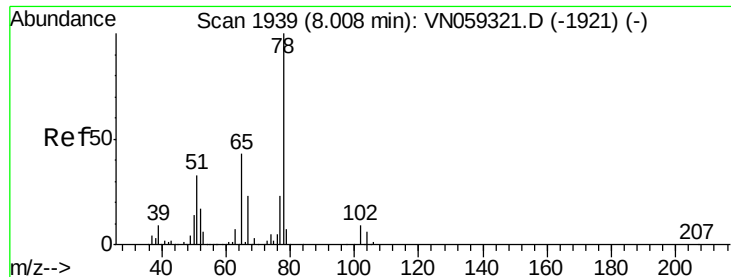
Tot Ion: 56 Resp: 370851
Ion Ratio Lower Upper
56 100
69 32.4 26.6 40.0
84 83.8 67.0 100.4



#32
1,1,1-Trichloroethane
Concen: 49.107 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 97 Resp: 342528
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 43.1 35.3 52.9

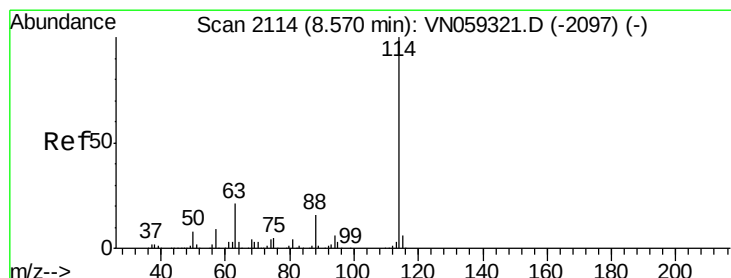
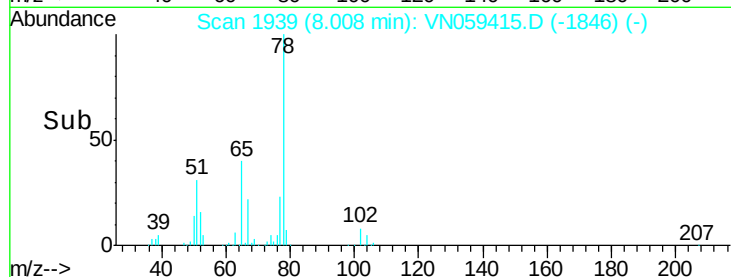
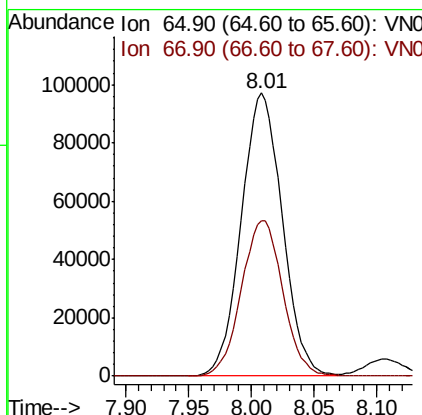
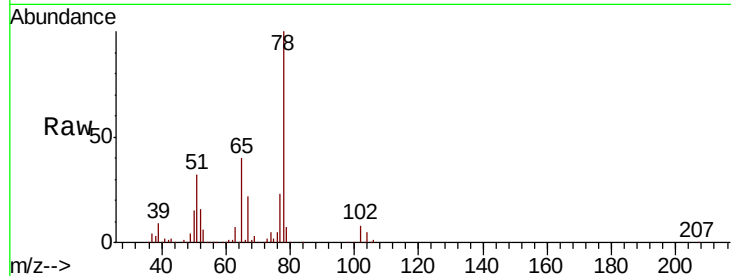




#33
 1,2-Dichloroethane-d4
 Concen: 47.079 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

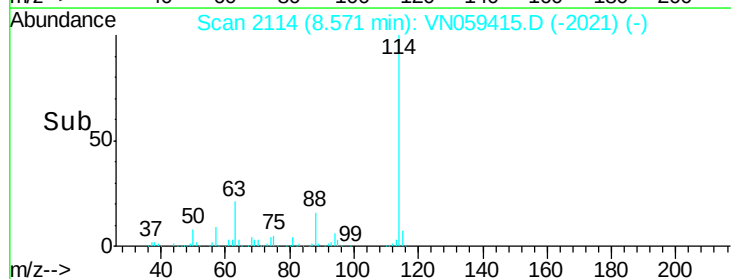
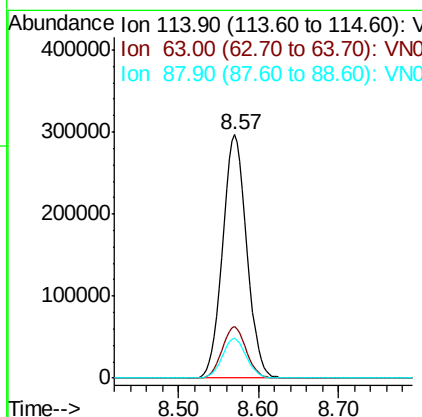
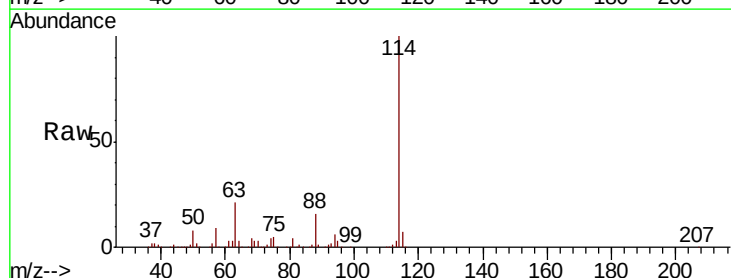
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

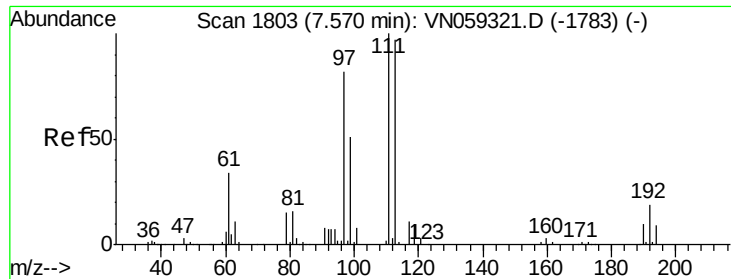
Tot Ion: 65 Resp: 221157
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion: 114 Resp: 616771
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.2
 88 16.2 0.0 32.2

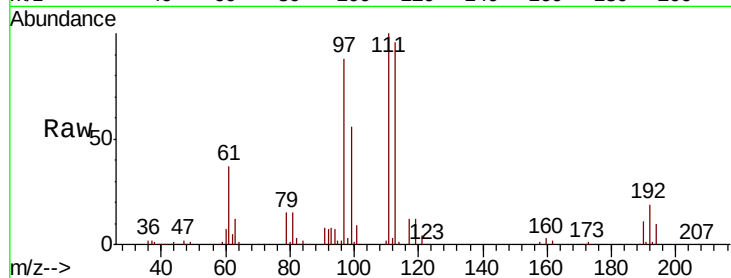




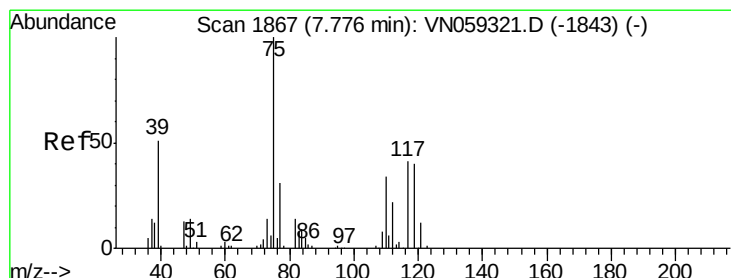
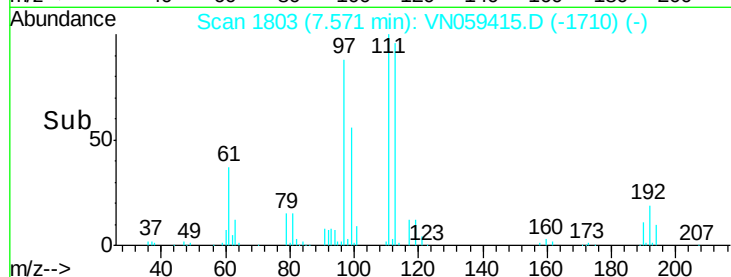
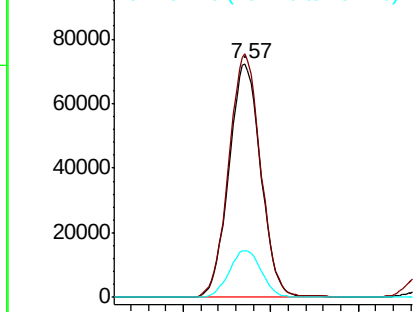
#35
Dibromofluoromethane
Concen: 49.493 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	20.3	16.3	24.5

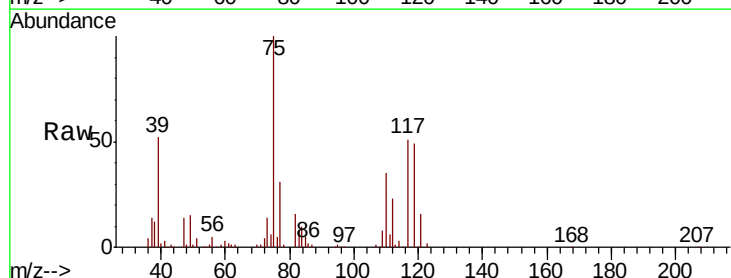


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

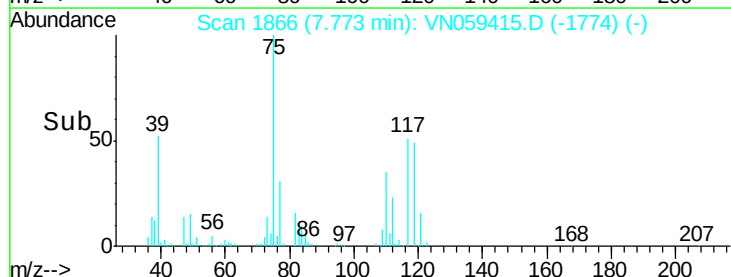
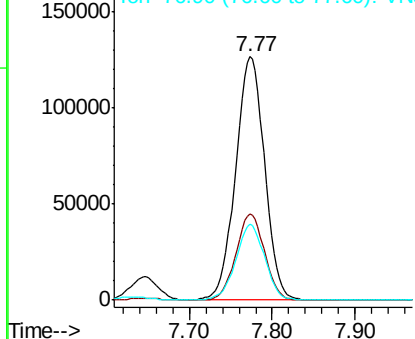


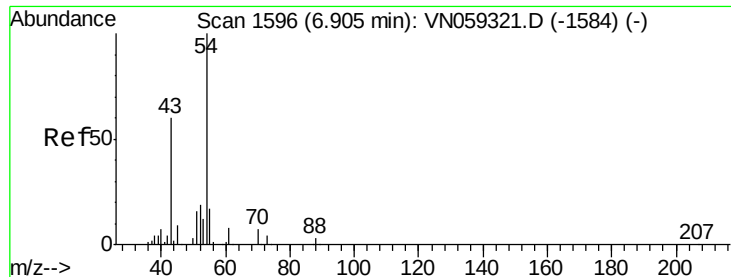
#36
1,1-Dichloropropene
Concen: 48.363 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.0	51.0
77	31.2	24.8	37.2



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

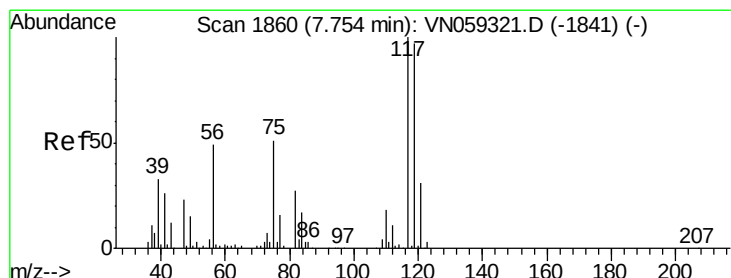
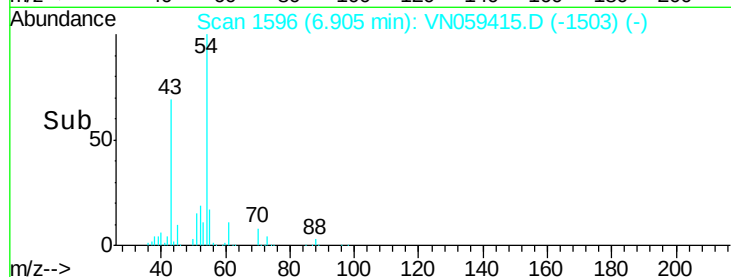
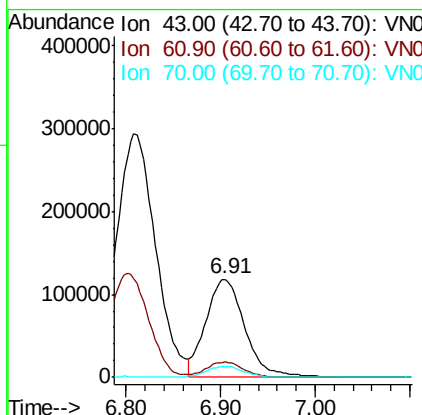
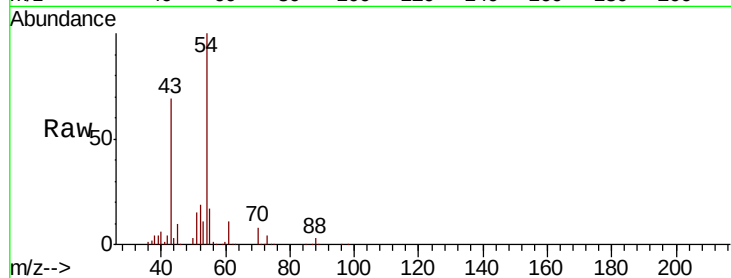




#37
Ethyl Acetate
Concen: 49.001 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

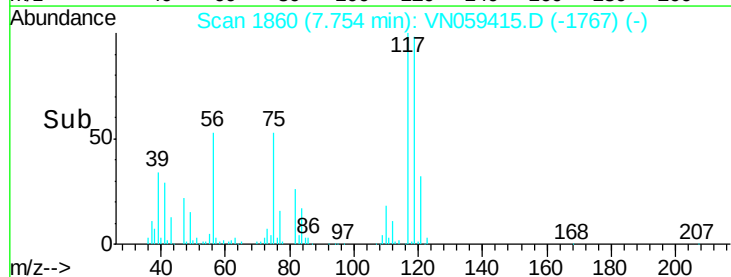
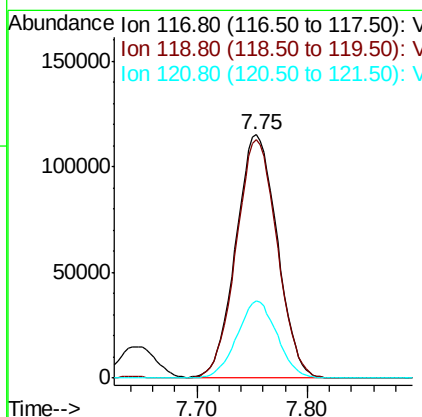
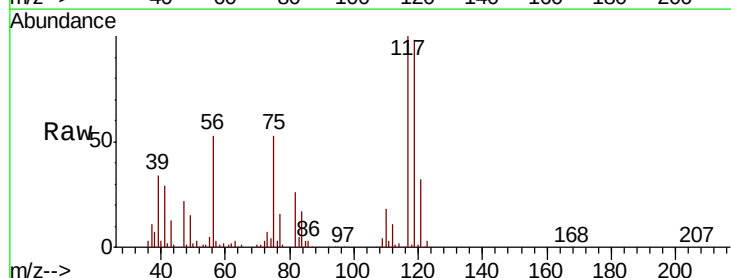
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

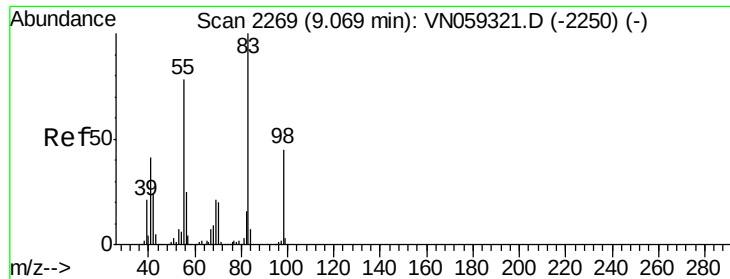
Tot Ion: 43 Resp: 335319
Ion Ratio Lower Upper
43 100
61 15.3 11.0 16.6
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 49.068 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 117 Resp: 299093
Ion Ratio Lower Upper
117 100
119 97.8 77.0 115.4
121 31.9 24.4 36.6

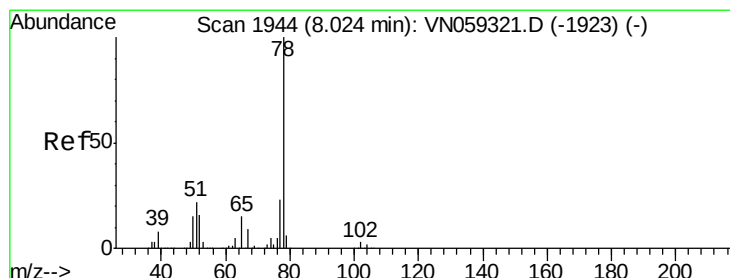
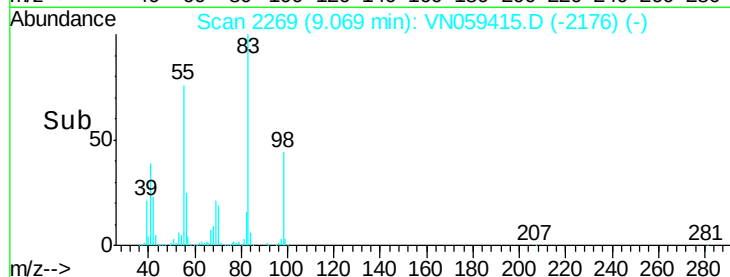
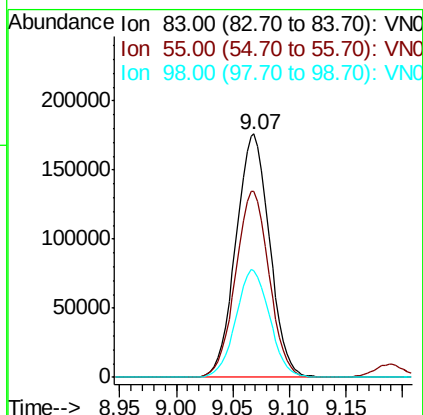
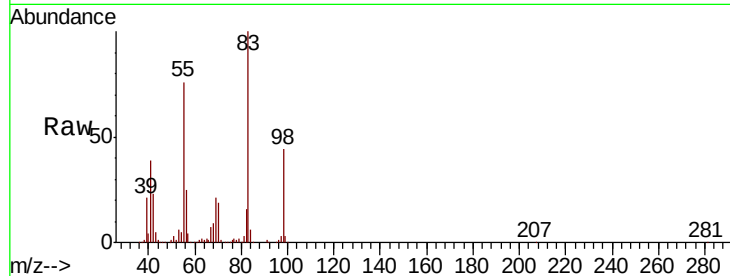




#39
Methylvlcyclohexane
Concen: 47.606 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

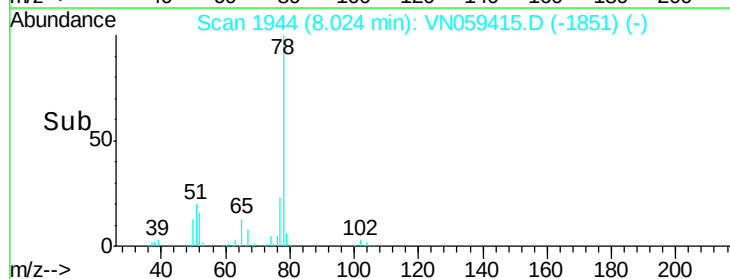
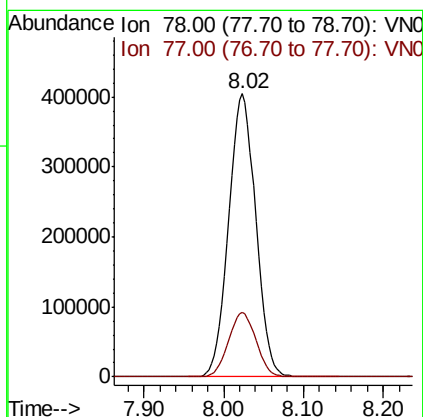
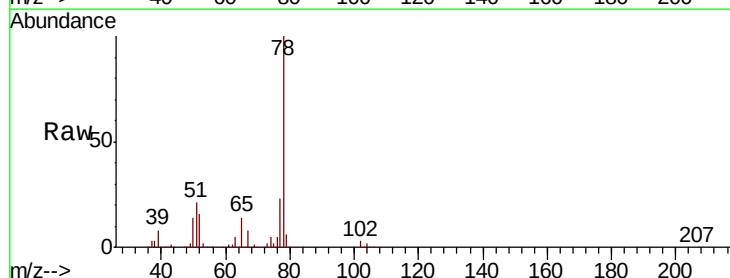
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

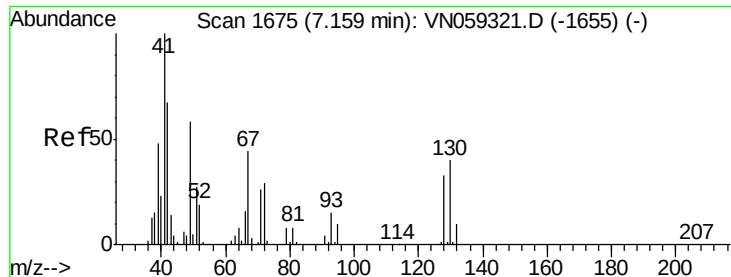
Tot Ion: 83 Resp: 365515
Ion Ratio Lower Upper
83 100
55 76.1 62.3 93.5
98 43.8 36.0 54.0



#40
Benzene
Concen: 49.767 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 78 Resp: 930041
Ion Ratio Lower Upper
78 100
77 22.8 18.4 27.6

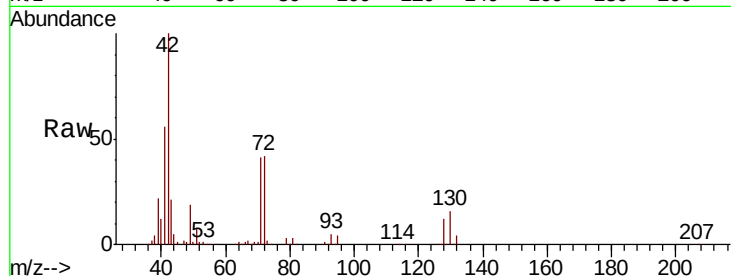




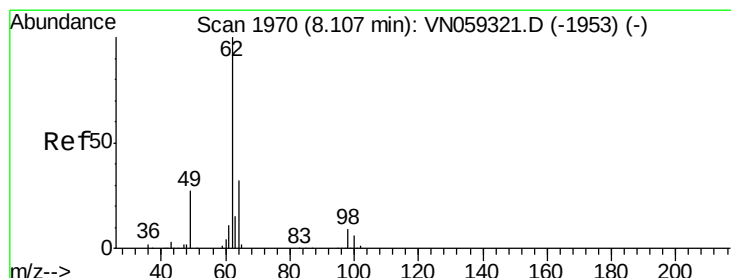
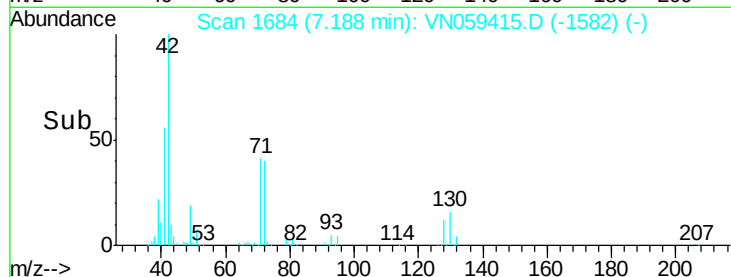
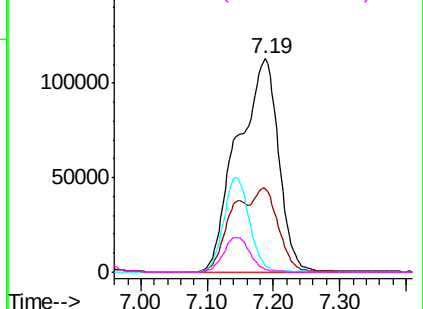
#41
Methacrylonitrile
Concen: 160.131 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	486444
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

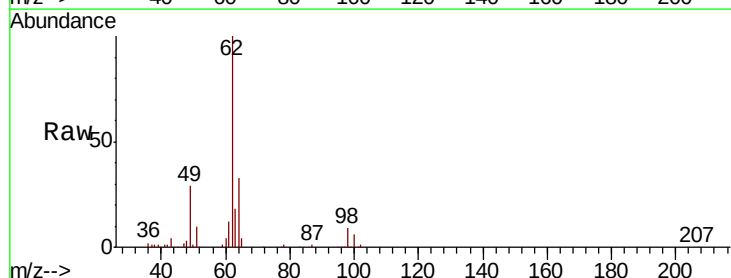


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

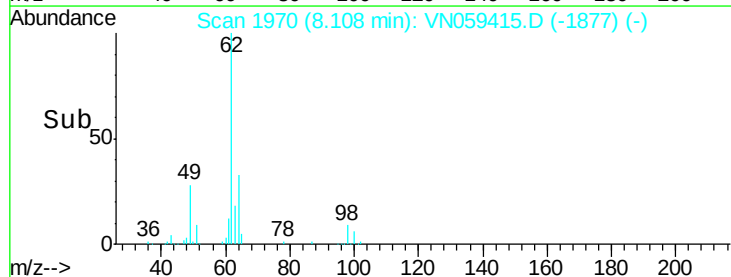
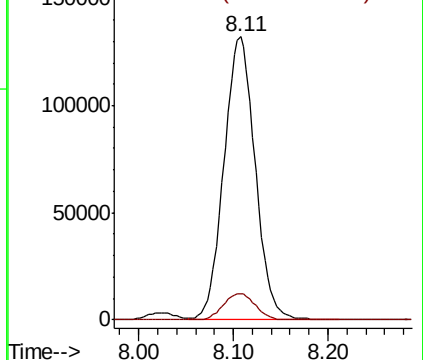


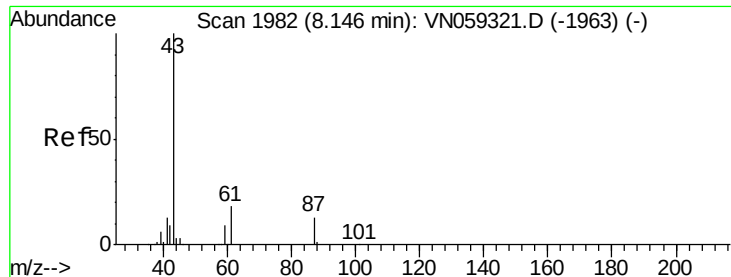
#42
1,2-Dichloroethane
Concen: 49.052 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion:	62	Resp:	303166
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 51.243 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

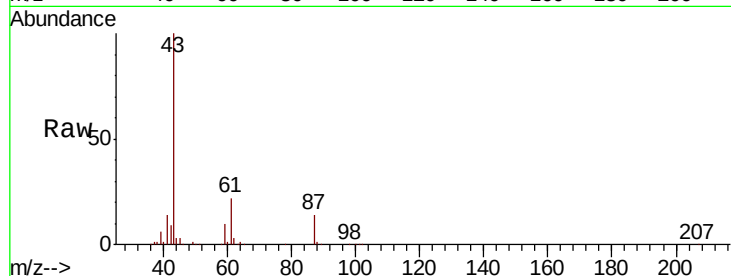
Tot Ion: 43 Resp: 535903

Ion Ratio Lower Upper

43 100

61 27.5 21.7 32.5

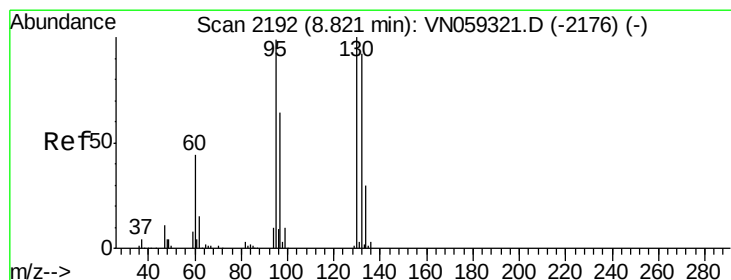
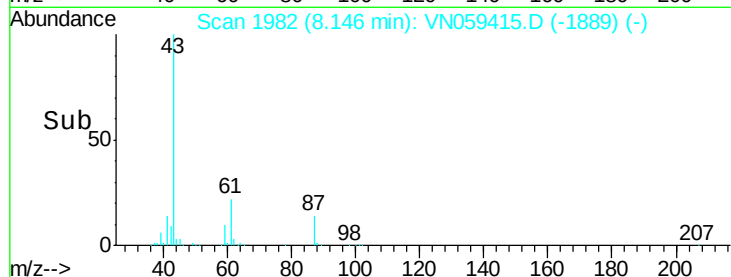
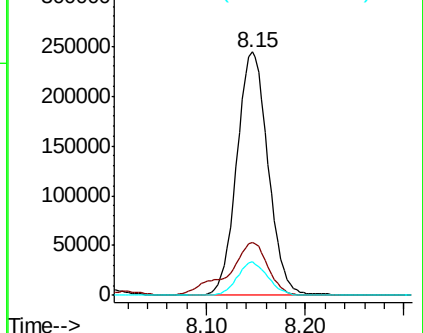
87 13.4 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 49.290 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059415.D

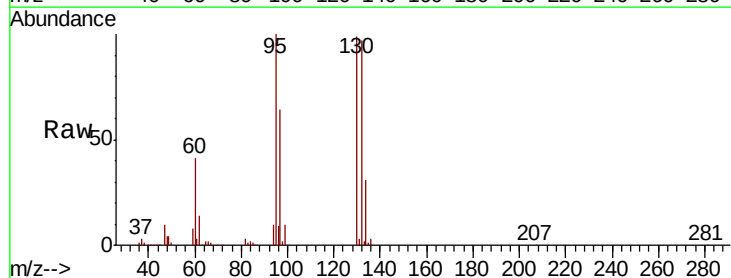
Acq: 26 Nov 2019 18:25

Tgt Ion:130 Resp: 233446

Ion Ratio Lower Upper

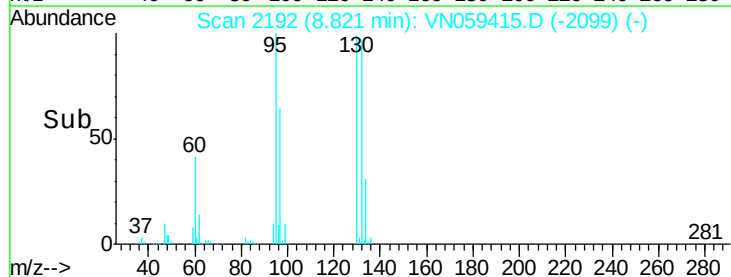
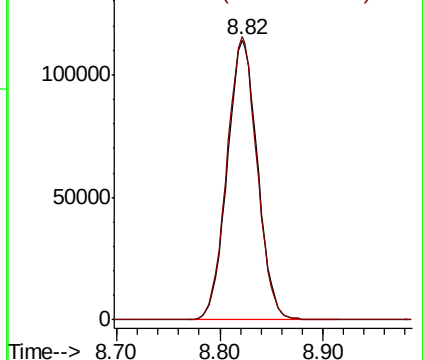
130 100

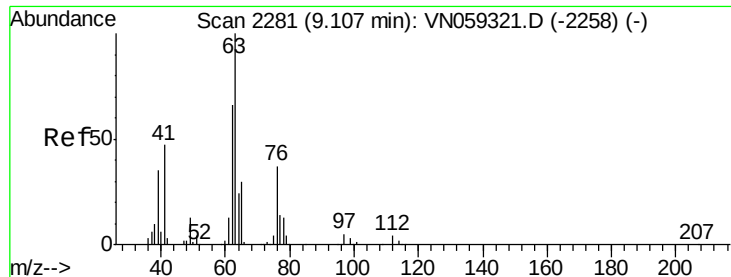
95 101.3 0.0 198.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 50.150 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

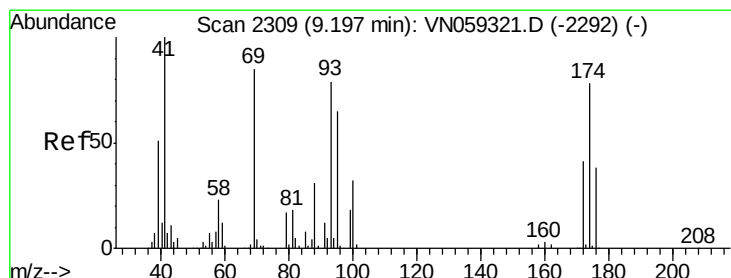
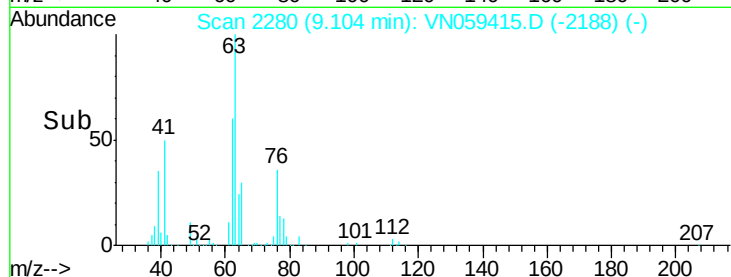
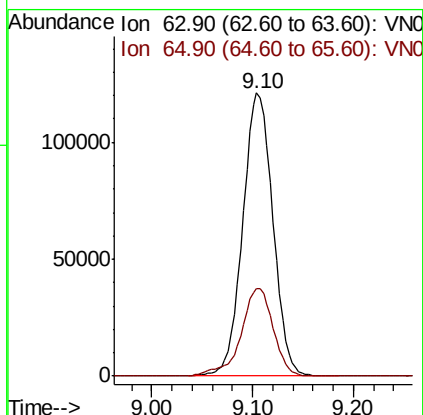
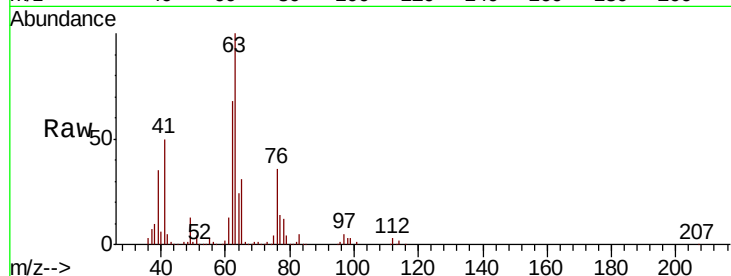
VSTDCCC050EC

Tot Ion: 63 Resp: 249911

Ion Ratio Lower Upper

63 100

65 30.9 23.9 35.9



#46

Dibromomethane

Concen: 51.264 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

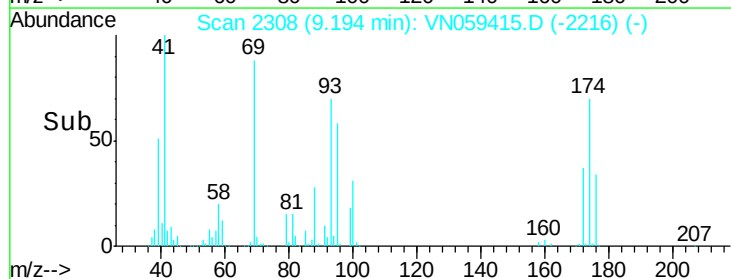
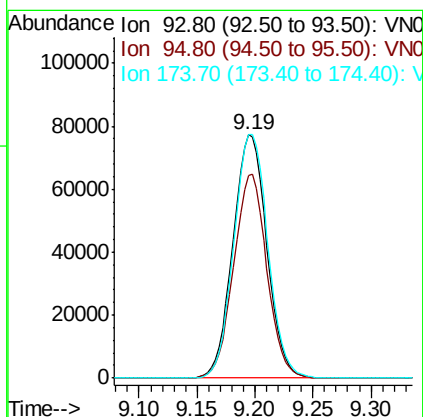
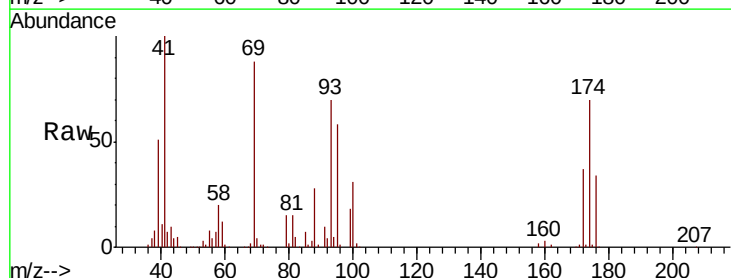
Tgt Ion: 93 Resp: 156694

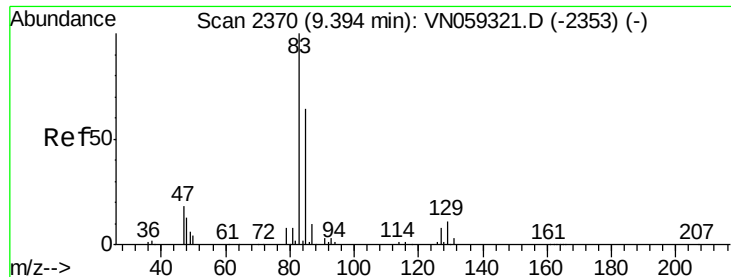
Ion Ratio Lower Upper

93 100

95 82.2 66.9 100.3

174 101.0 80.6 120.8





#47

Bromodichloromethane

Concen: 51.330 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

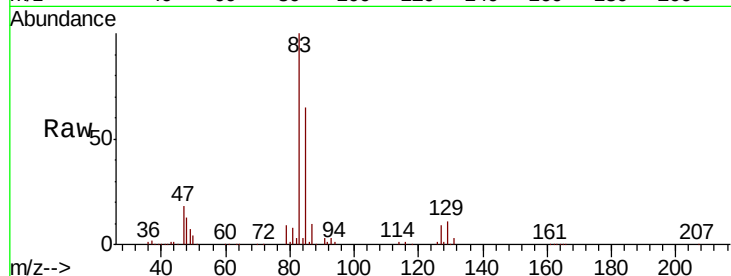
Tot Ion: 83 Resp: 314221

Ion Ratio Lower Upper

83 100

85 64.7 51.5 77.3

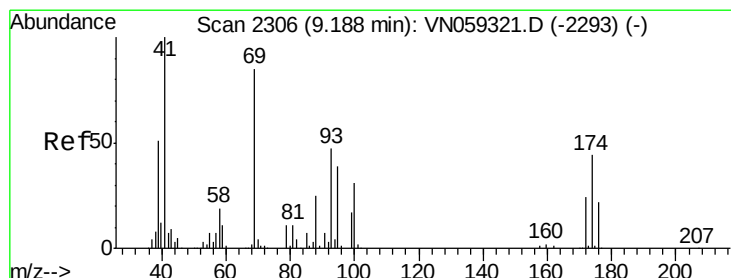
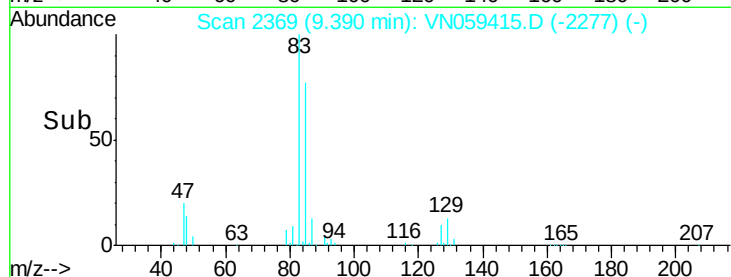
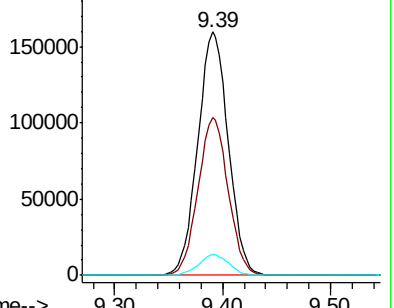
127 8.5 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN059415.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN059415.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN059415.D (-2277) (-)



#48

Methyl methacrylate

Concen: 50.474 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

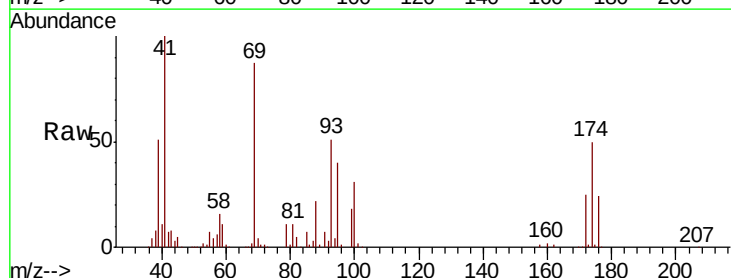
Tgt Ion: 41 Resp: 240042

Ion Ratio Lower Upper

41 100

69 89.5 68.8 103.2

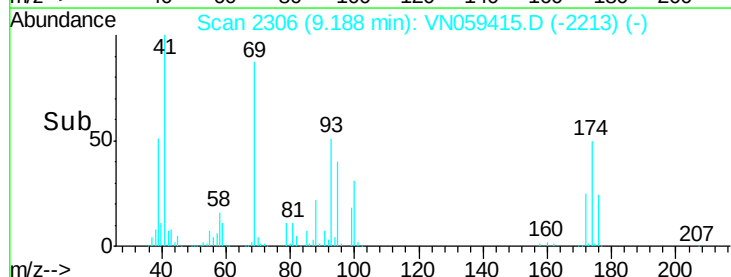
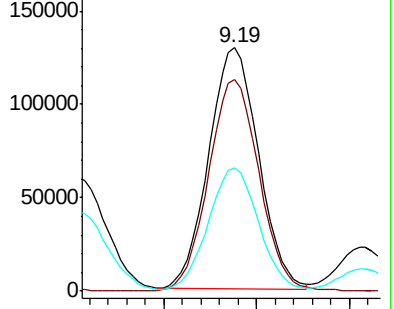
39 52.1 42.1 63.1

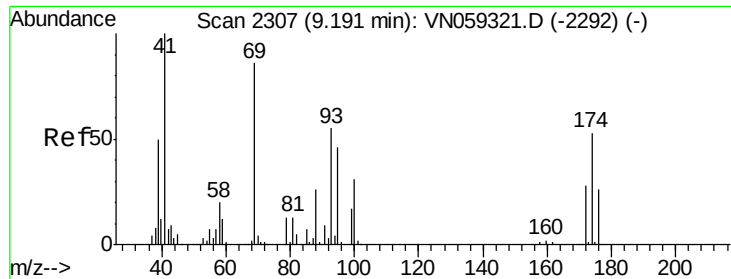


Abundance Ion 41.00 (40.70 to 41.70): VN059415.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN059415.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN059415.D (-2213) (-)

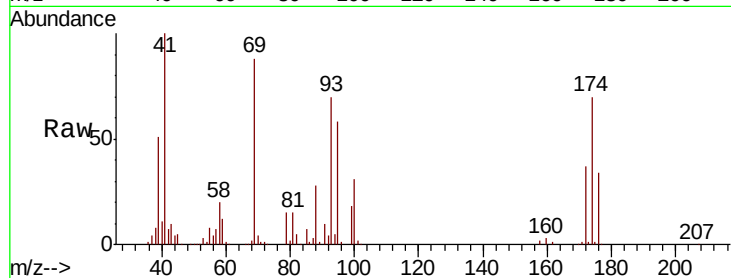




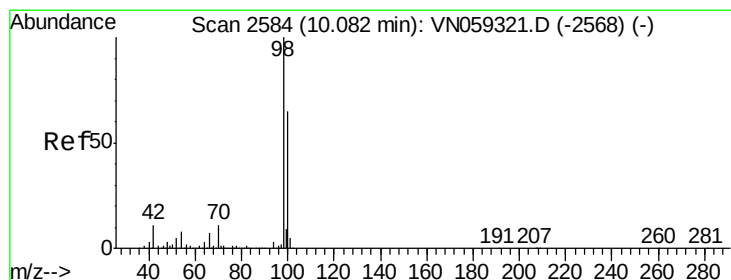
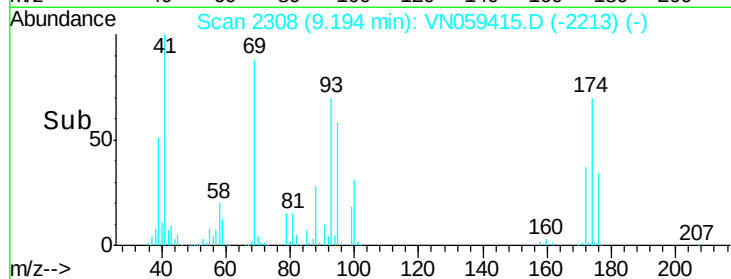
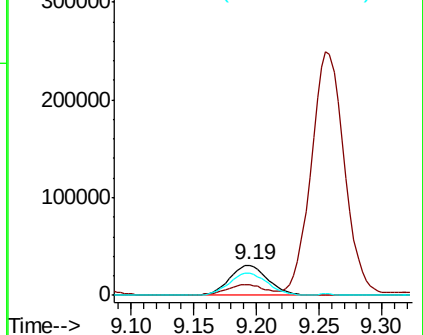
#49
1,4-Dioxane
Concen: 920.105 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 65765
Ion Ratio Lower Upper
88 100
43 32.5 26.9 40.3
58 72.8 59.2 88.8

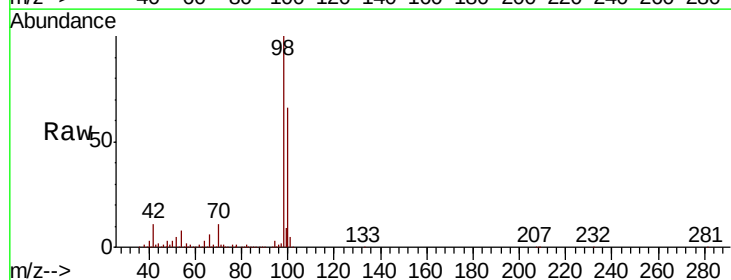


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

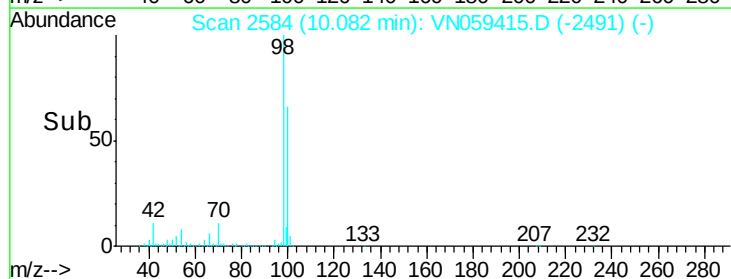
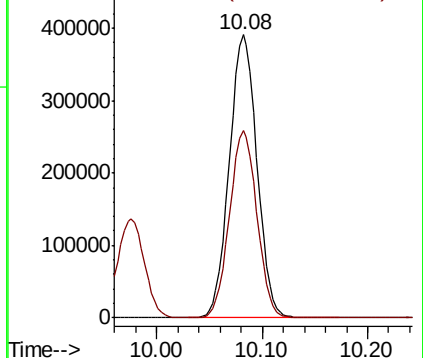


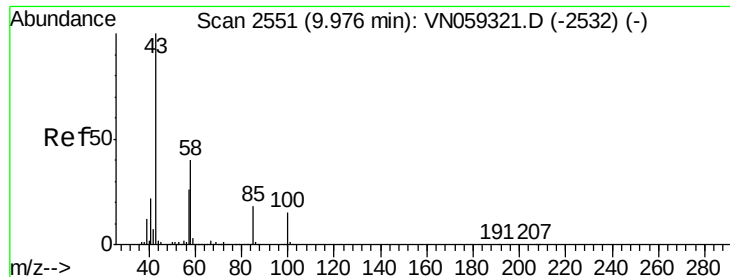
#50
Toluene-d8
Concen: 48.224 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 98 Resp: 709386
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 271.681 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

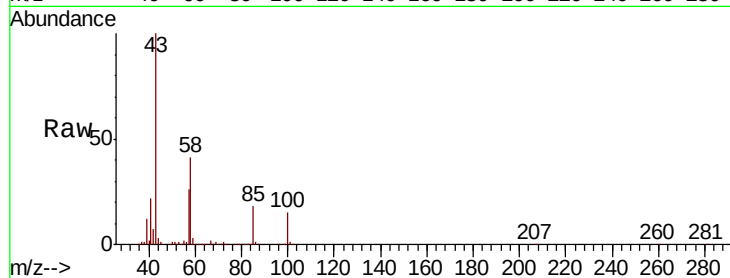
VSTDCCC050EC

Tot Ion: 43 Resp: 1663059

Ion Ratio Lower Upper

43 100

58 40.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN059321.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN059321.D (-2532) (-)

9.98

800000

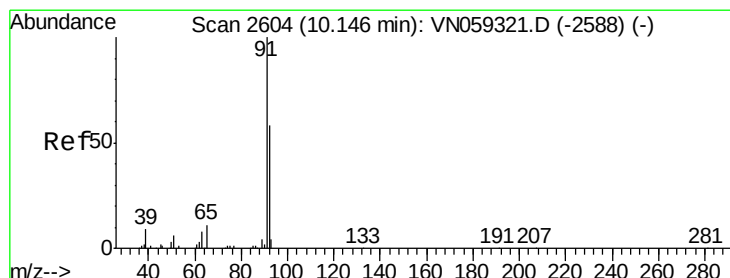
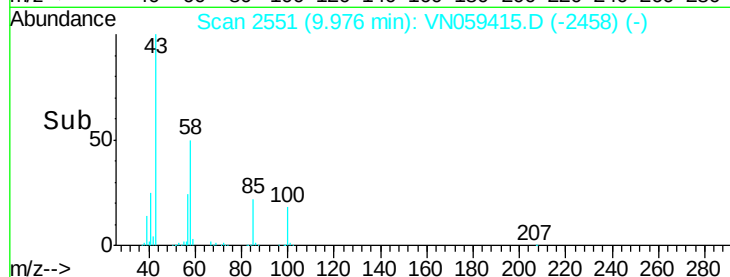
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.357 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059415.D

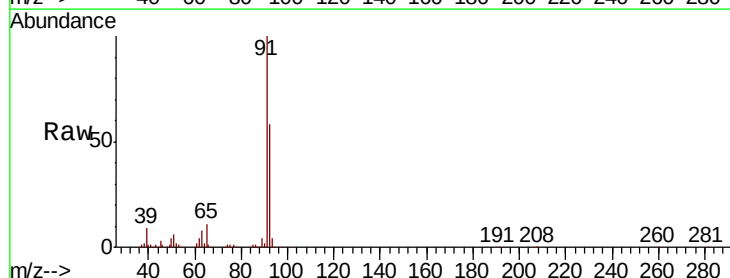
Acq: 26 Nov 2019 18:25

Tgt Ion: 92 Resp: 565855

Ion Ratio Lower Upper

92 100

91 171.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN059321.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059321.D (-2588) (-)

10.15

600000

500000

400000

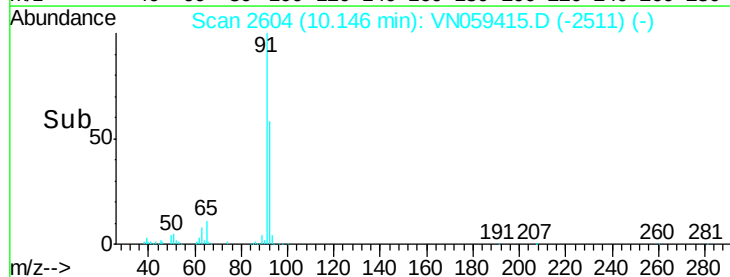
300000

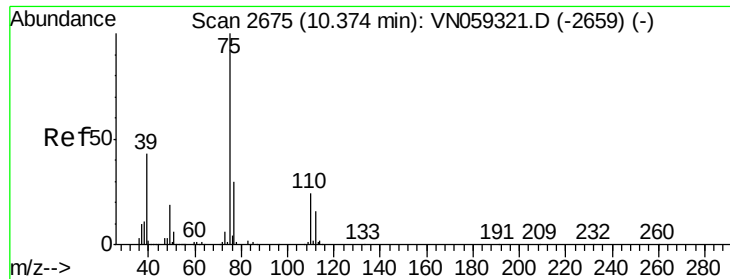
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.548 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

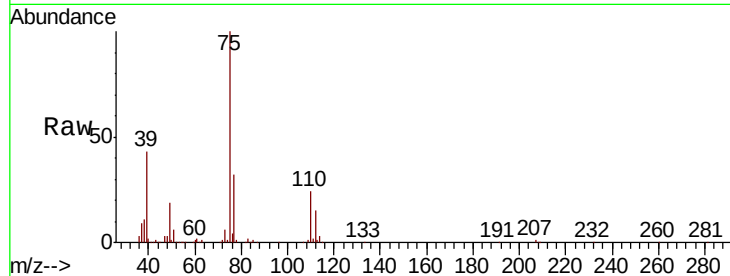
VSTDCCC050EC

Tot Ion: 75 Resp: 359706

Ion Ratio Lower Upper

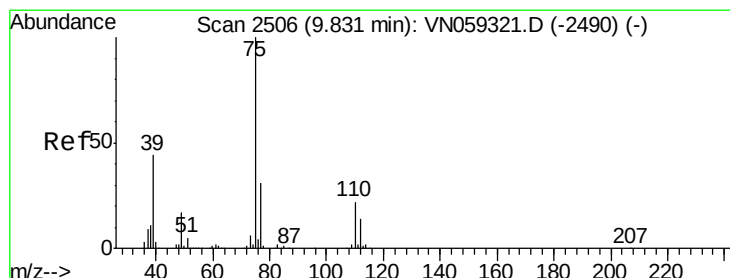
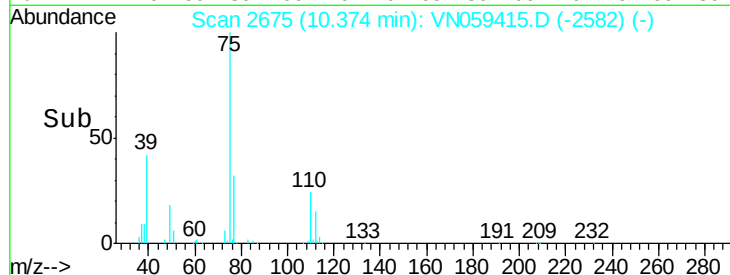
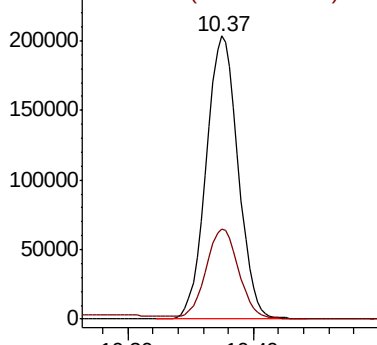
75 100

77 31.7 25.5 38.3



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: 51.310 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

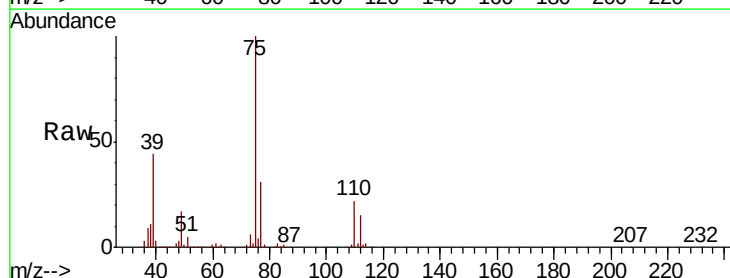
Tgt Ion: 75 Resp: 396208

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

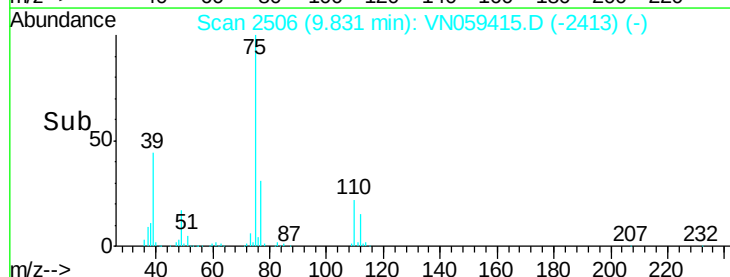
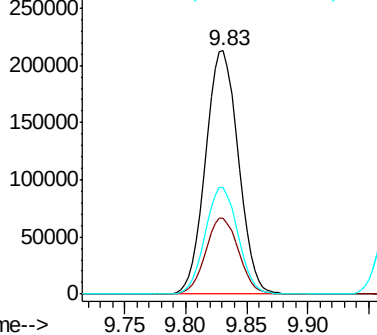
39 43.6 35.5 53.3

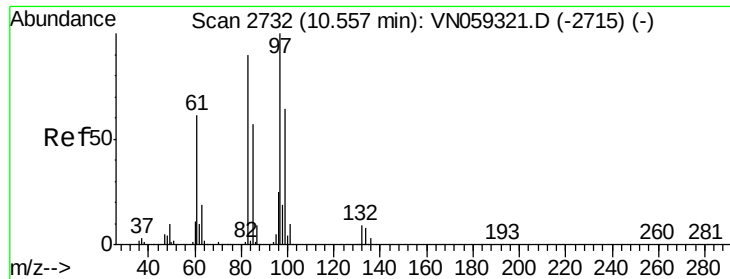


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.692 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 225839

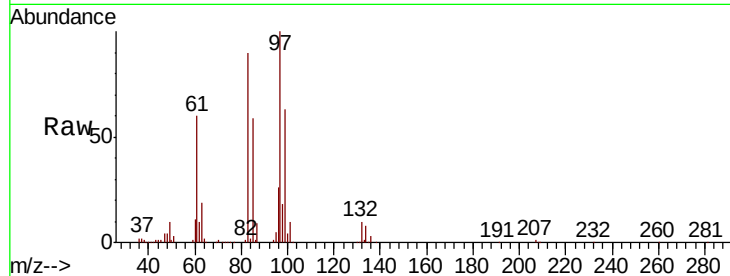
Ion Ratio Lower Upper

97 100

83 89.6 72.0 108.0

85 58.5 45.8 68.6

99 63.0 51.0 76.4

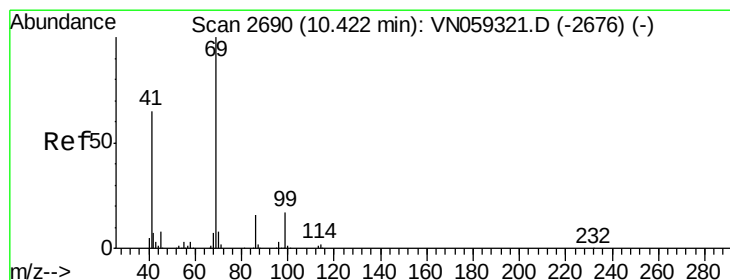
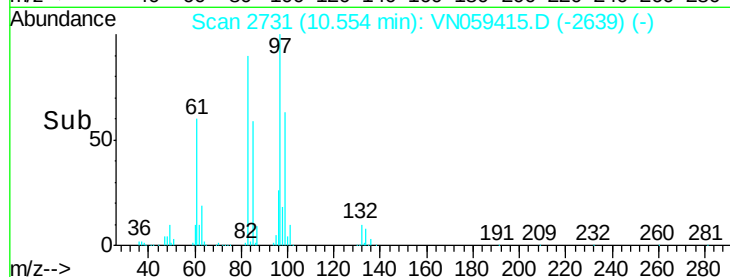
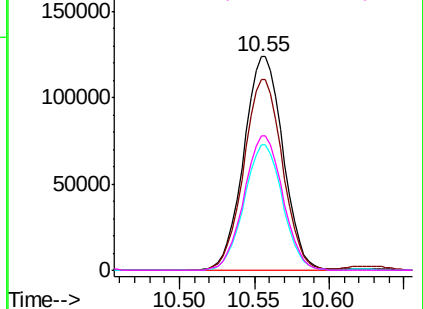


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.543 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

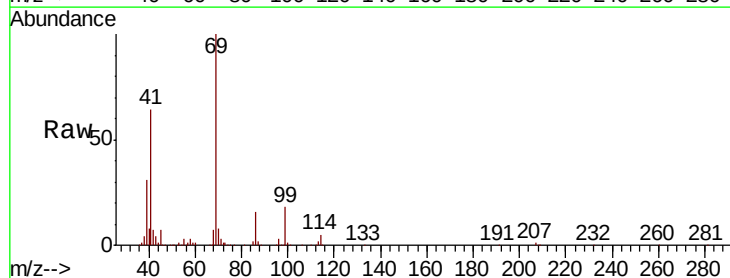
Tgt Ion: 69 Resp: 357693

Ion Ratio Lower Upper

69 100

41 63.1 51.7 77.5

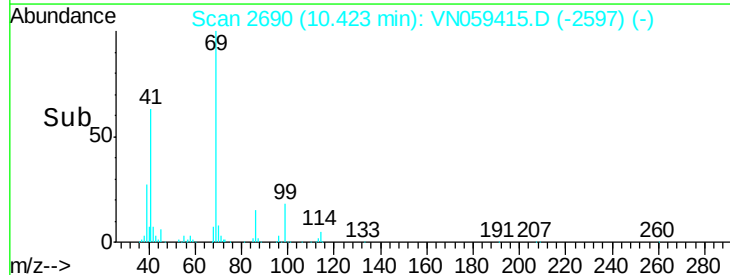
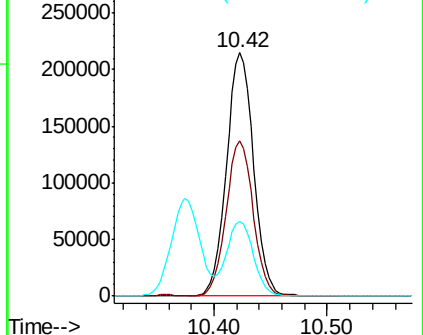
39 30.6 25.2 37.8

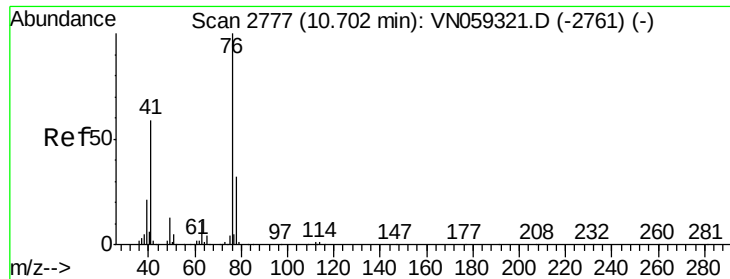


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.479 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

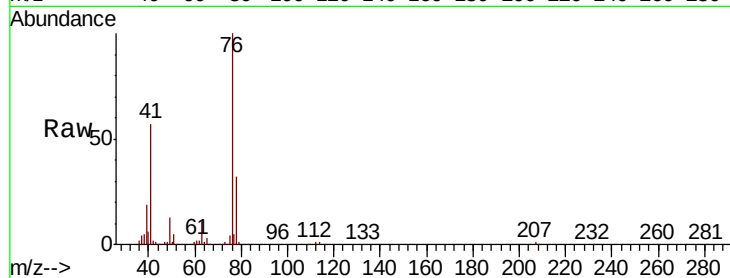
VSTDCCC050EC

Tot Ion: 76 Resp: 391996

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN059321.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059321.D (-2761) (-)

10.70

250000

200000

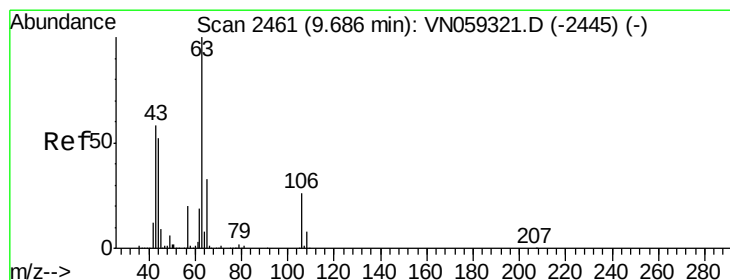
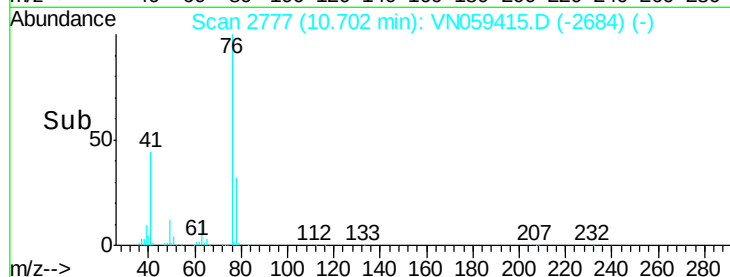
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 222.000 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059415.D

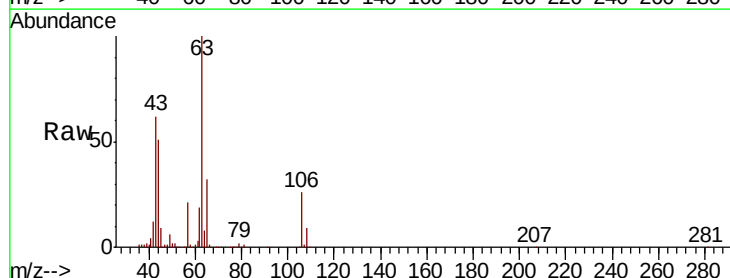
Acq: 26 Nov 2019 18:25

Tgt Ion: 63 Resp: 593654

Ion Ratio Lower Upper

63 100

106 26.4 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN059321.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN059321.D (-2445) (-)

9.68

400000

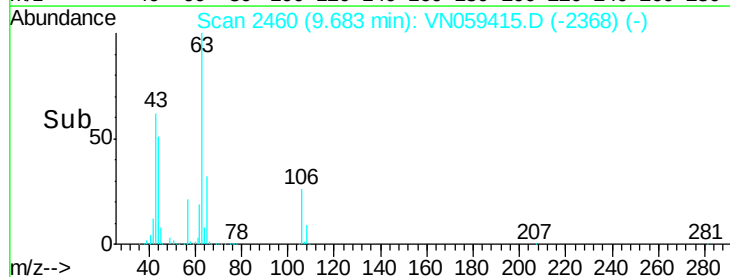
300000

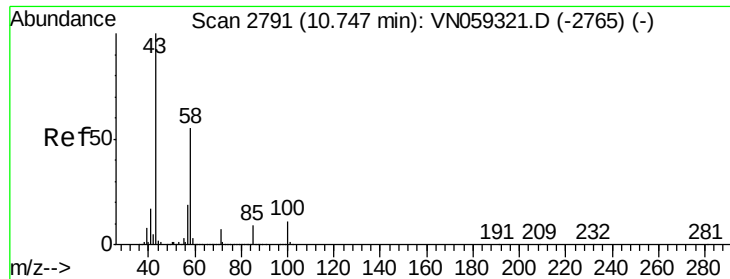
200000

100000

0

Time--> 9.60 9.70 9.80

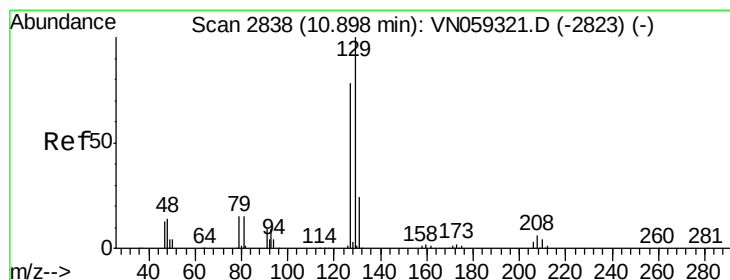
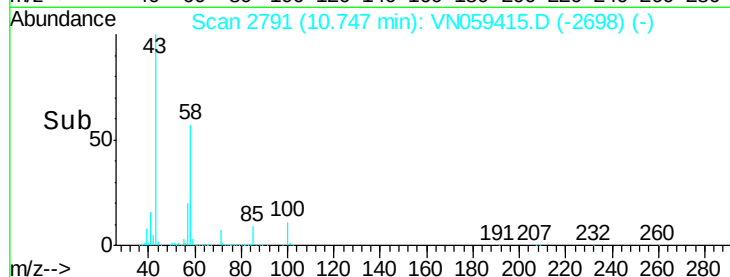
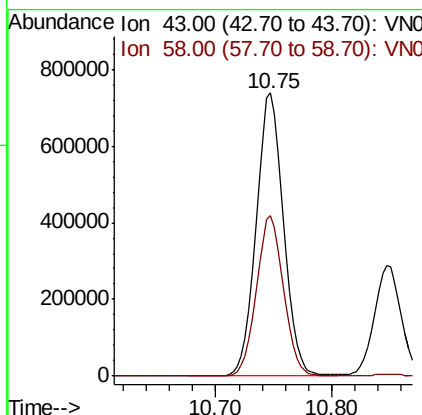
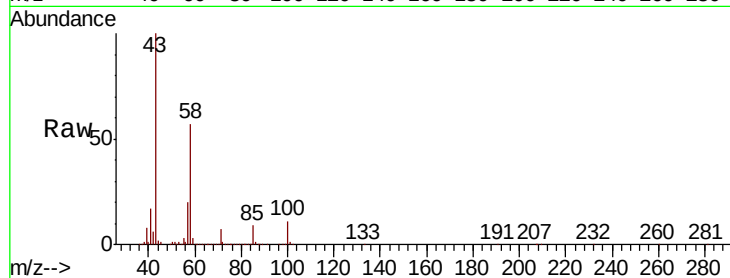




#59
2-Hexanone
Concen: 270.721 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

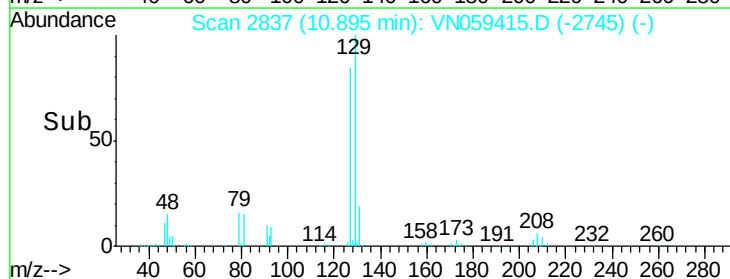
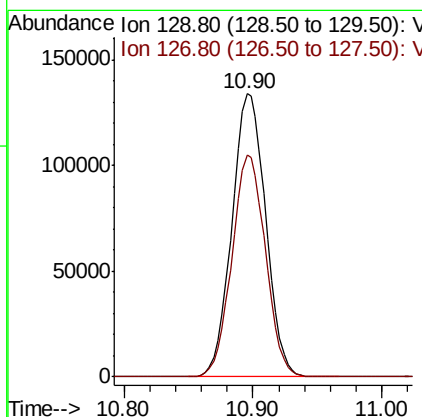
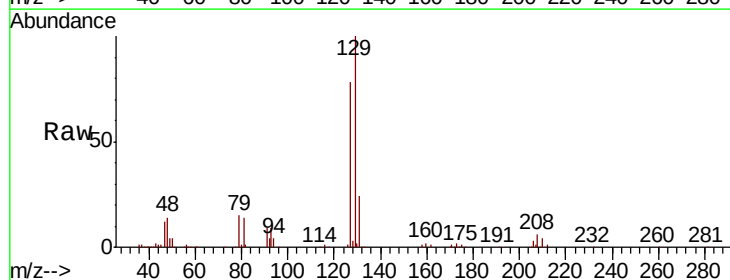
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

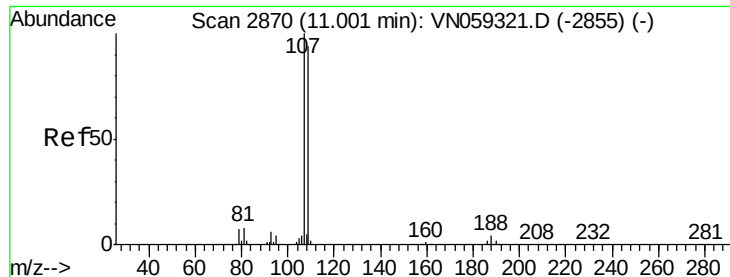
Tot Ion: 43 Resp: 1213459
Ion Ratio Lower Upper
43 100
58 56.5 27.7 83.0



#60
Dibromochloromethane
Concen: 52.810 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 129 Resp: 243132
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.884 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

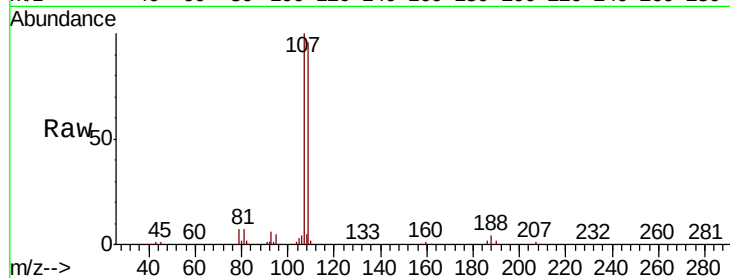
VSTDCCC050EC

Tot Ion: 107 Resp: 231315

Ion Ratio Lower Upper

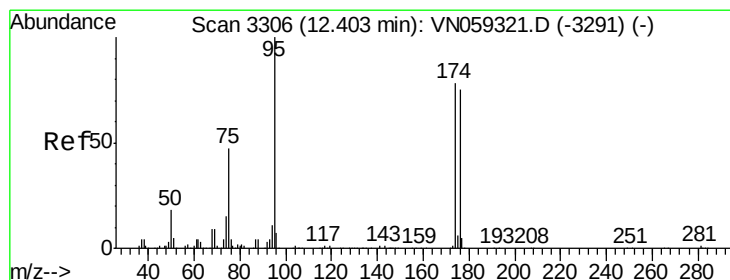
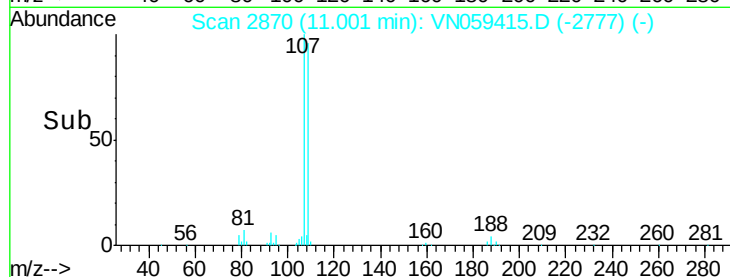
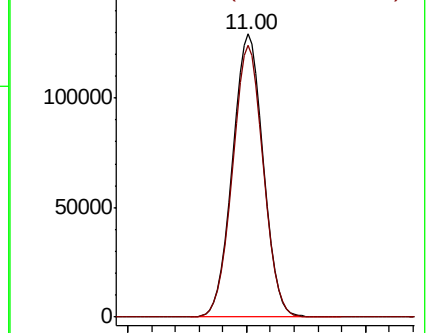
107 100

109 95.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.269 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

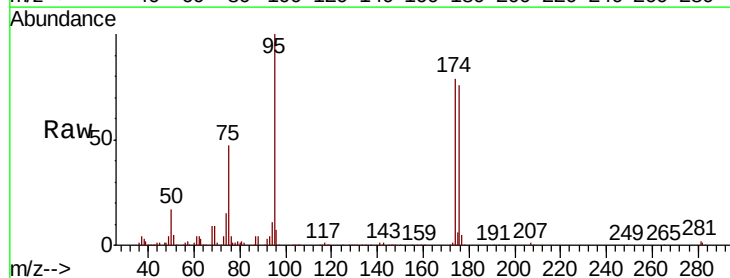
Tgt Ion: 95 Resp: 253418

Ion Ratio Lower Upper

95 100

174 79.8 0.0 157.4

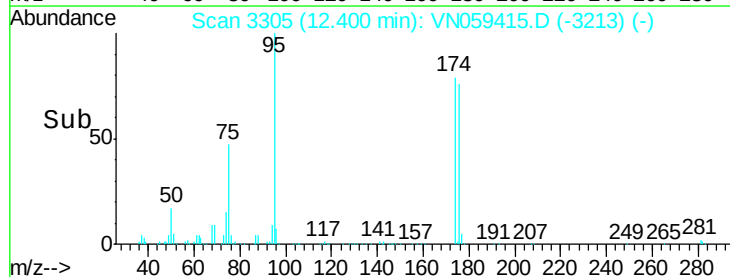
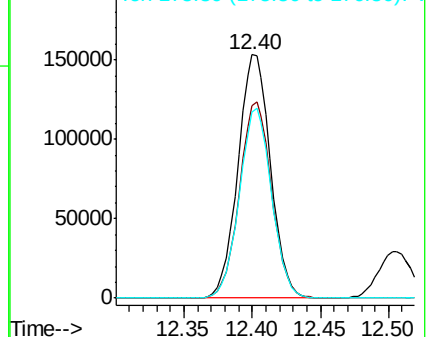
176 77.2 0.0 151.2

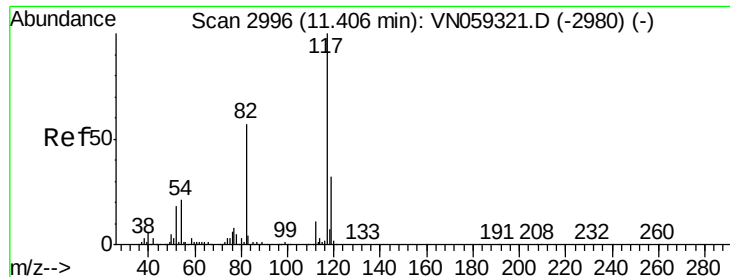


Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

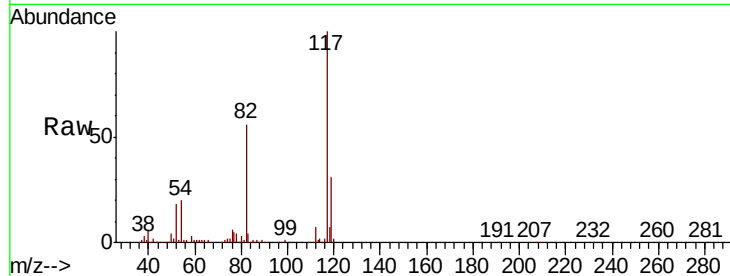
Tot Ion:117 Resp: 556105

Ion Ratio Lower Upper

117 100

82 56.2 45.7 68.5

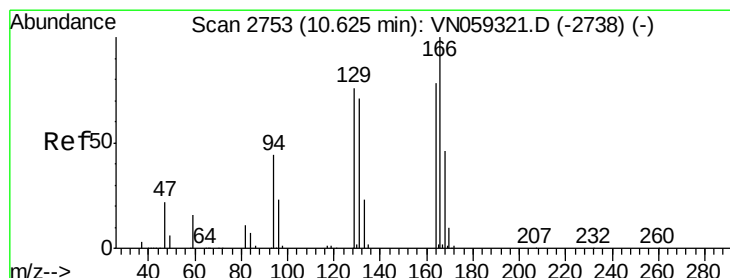
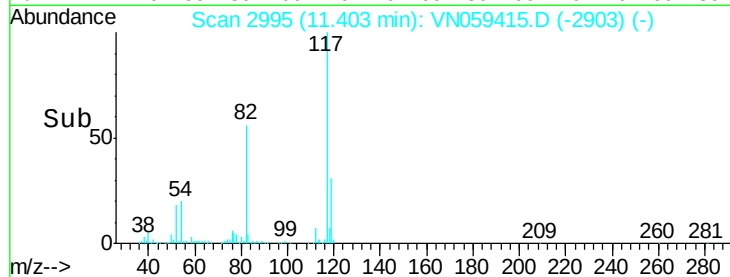
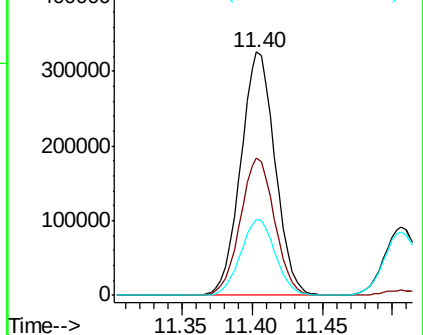
119 31.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 47.837 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion:164 Resp: 205744

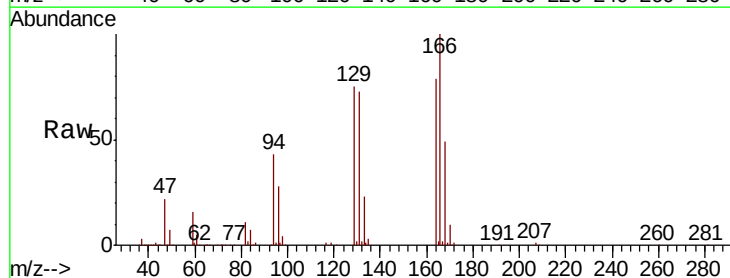
Ion Ratio Lower Upper

164 100

166 127.4 102.9 154.3

129 95.6 78.2 117.2

131 93.1 72.6 109.0

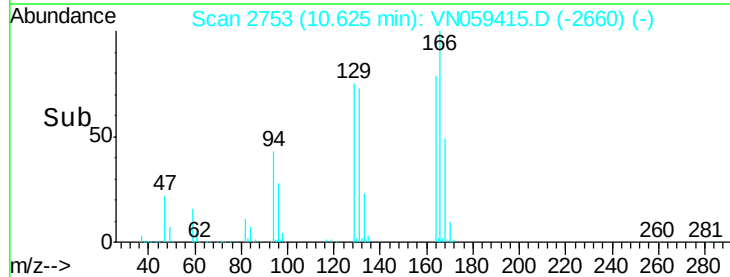
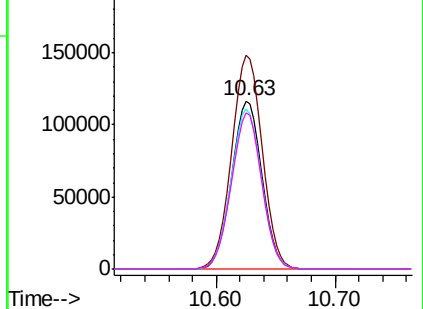


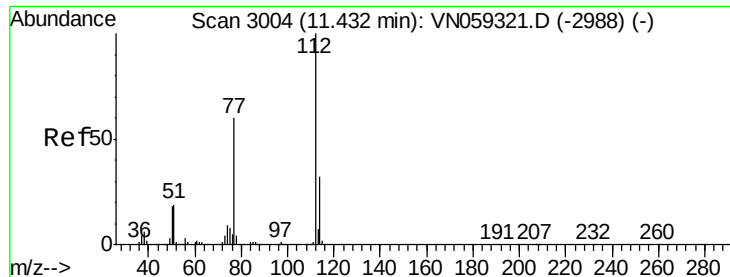
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.283 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

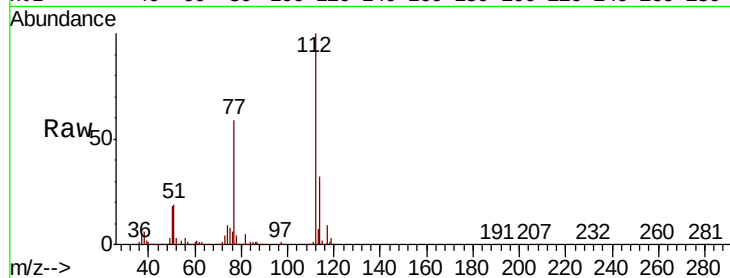
VSTDCCC050EC

Tot Ion:112 Resp: 589295

Ion Ratio Lower Upper

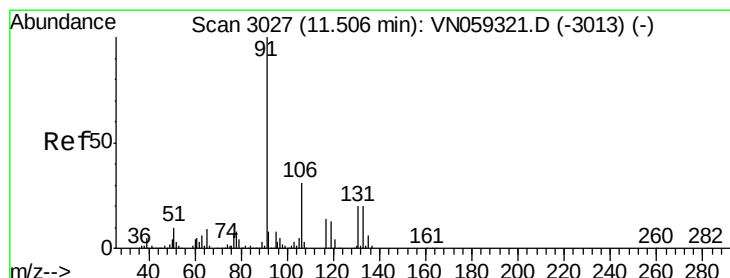
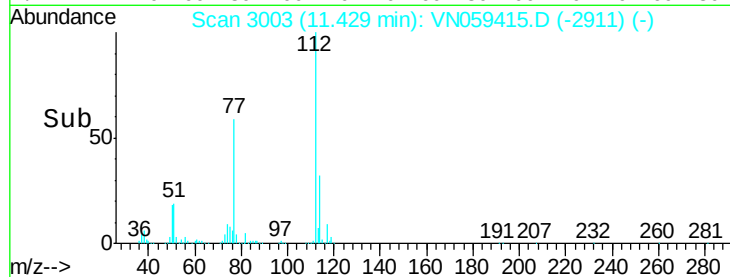
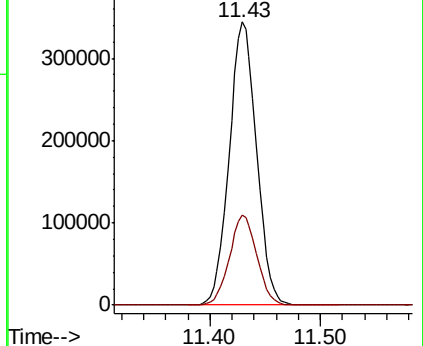
112 100

114 31.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.662 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

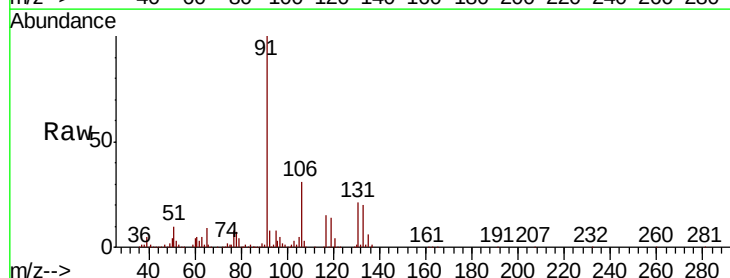
Tgt Ion:131 Resp: 224419

Ion Ratio Lower Upper

131 100

133 95.7 48.2 144.6

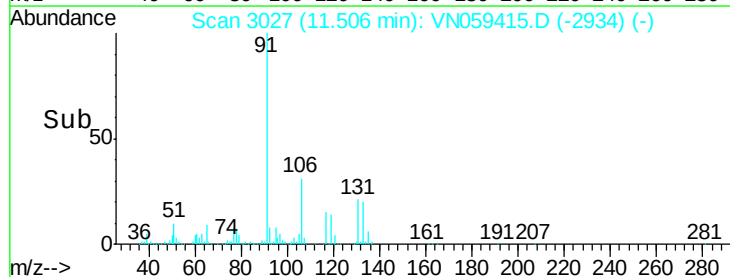
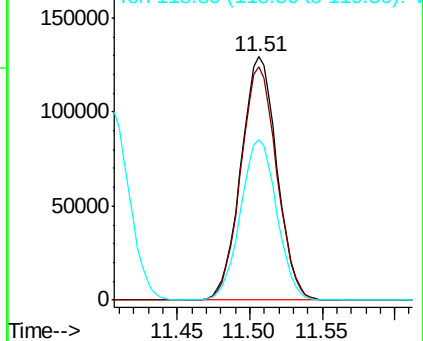
119 66.1 33.6 100.6

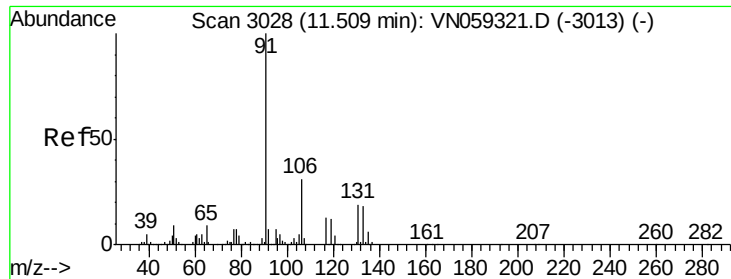


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.016 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

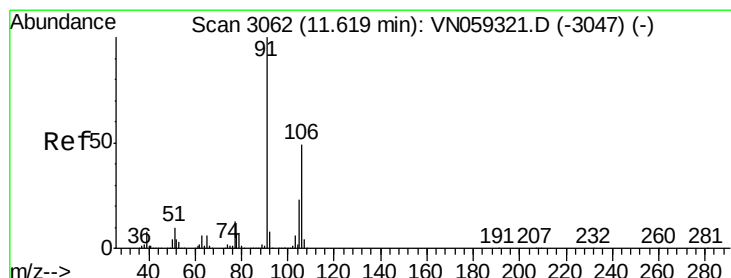
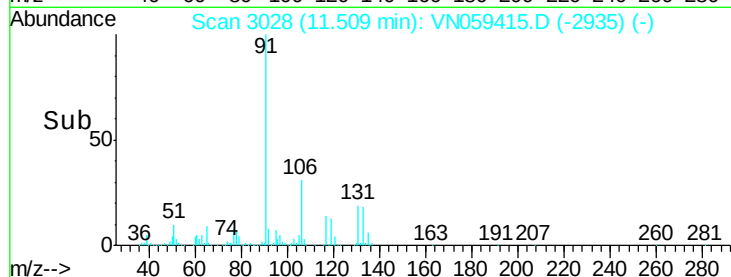
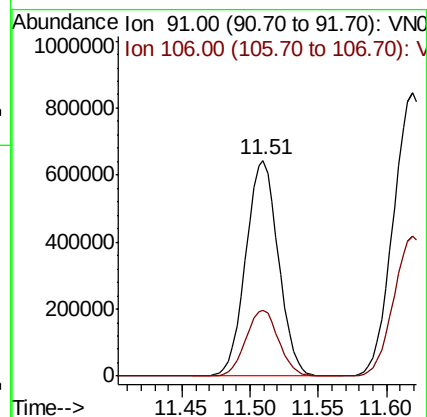
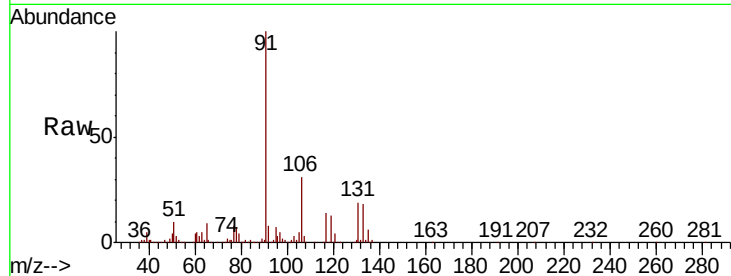
VSTDCCC050EC

Tot Ion: 91 Resp: 1067844

Ion Ratio Lower Upper

91 100

106 30.8 24.6 37.0



#68

m/p-Xylenes

Concen: 100.566 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059415.D

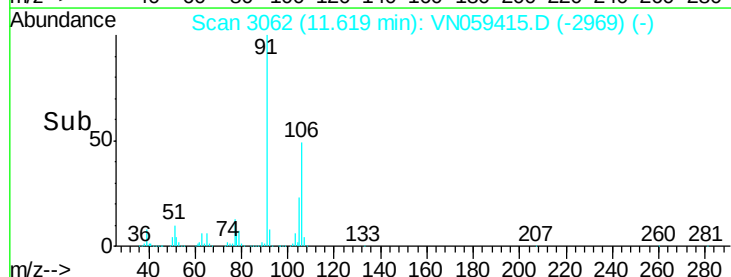
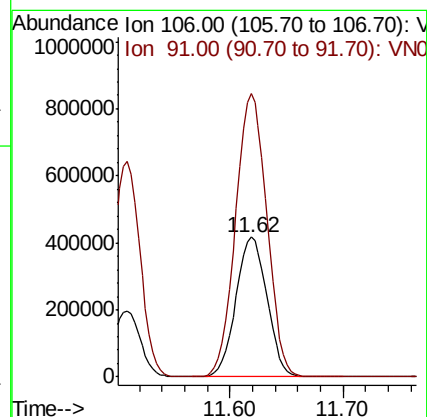
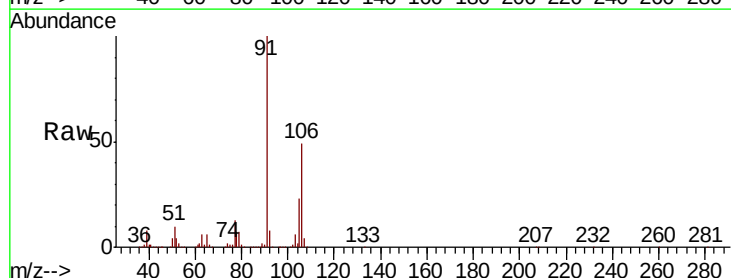
Acq: 26 Nov 2019 18:25

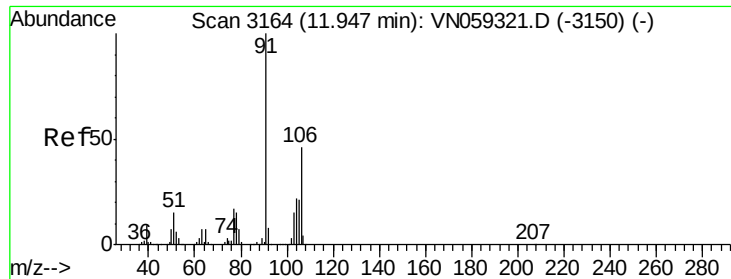
Tgt Ion: 106 Resp: 797817

Ion Ratio Lower Upper

106 100

91 203.6 163.2 244.8

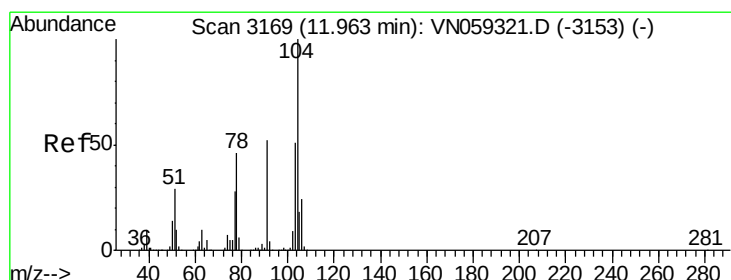
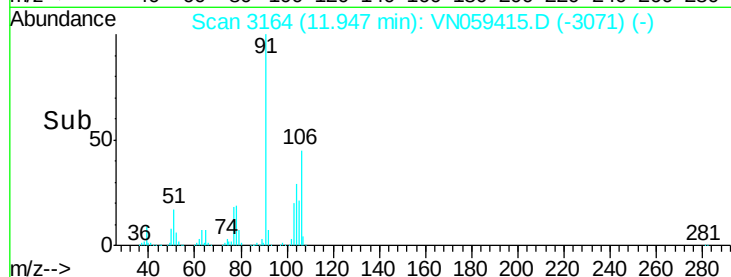
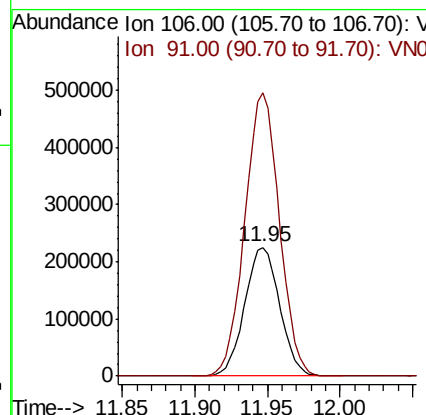
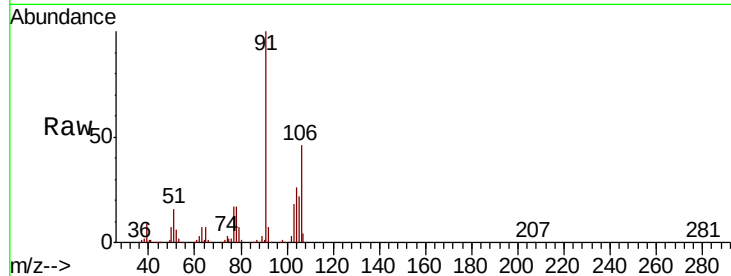




#69
o-Xylene
Concen: 49.909 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

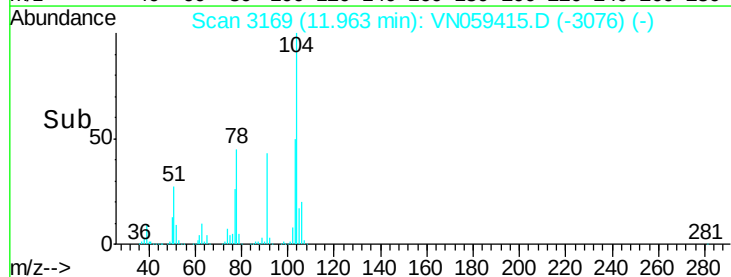
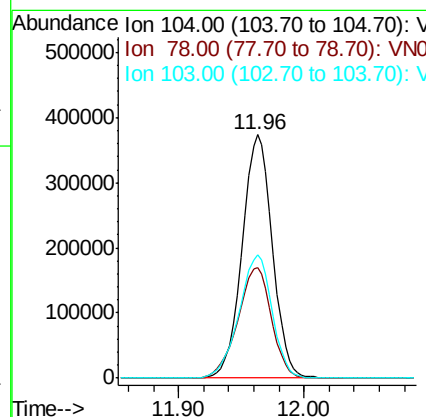
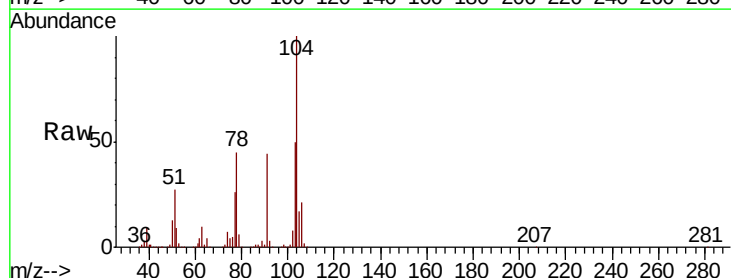
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

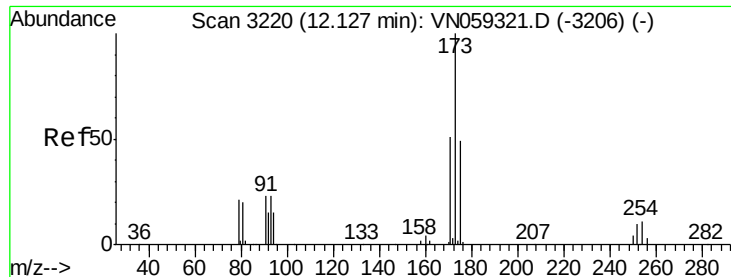
Tot Ion:106 Resp: 379052
Ion Ratio Lower Upper
106 100
91 217.1 109.3 327.9



#70
Styrene
Concen: 52.169 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion:104 Resp: 625199
Ion Ratio Lower Upper
104 100
78 50.5 40.3 60.5
103 55.5 43.6 65.4





#71

Bromoform

Concen: 54.742 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

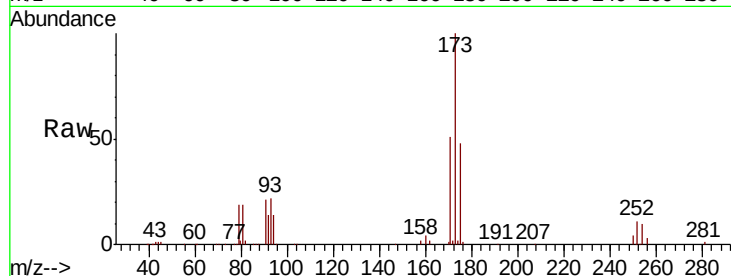
Tot Ion:173 Resp: 180091

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.6

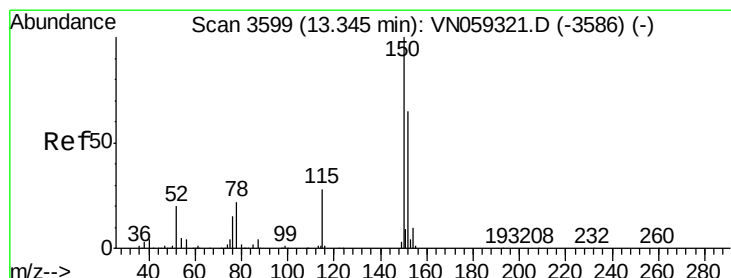
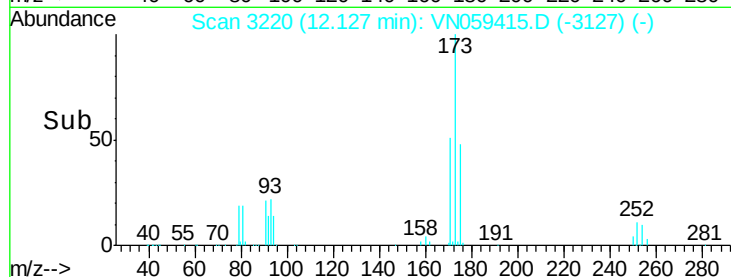
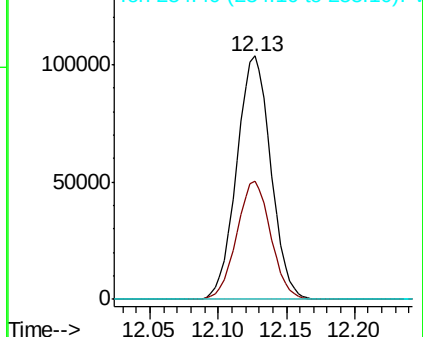
254 0.0 0.1 0.1#



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# 3599

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

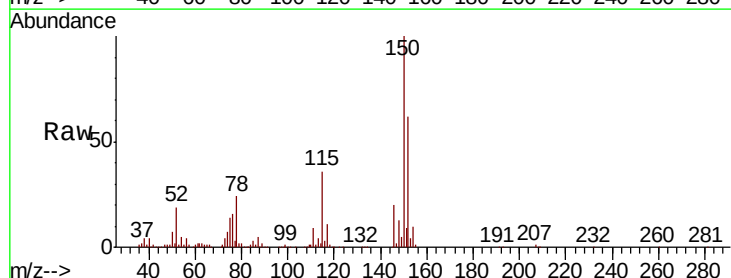
Tgt Ion:152 Resp: 260987

Ion Ratio Lower Upper

152 100

115 58.0 29.3 88.0

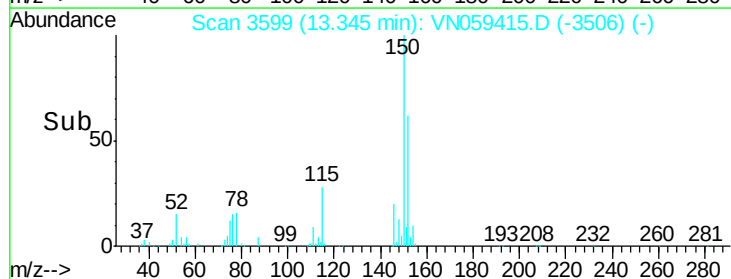
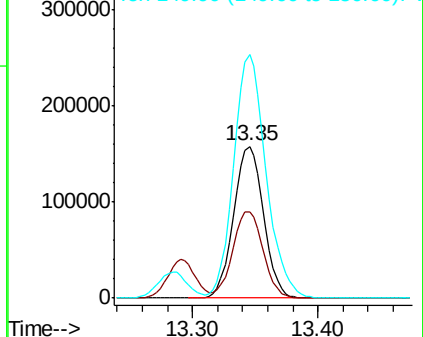
150 173.6 0.0 346.0

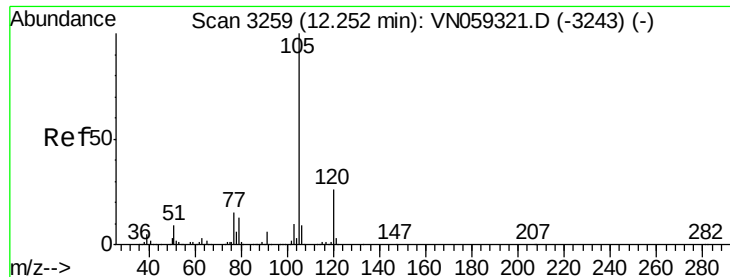


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.787 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

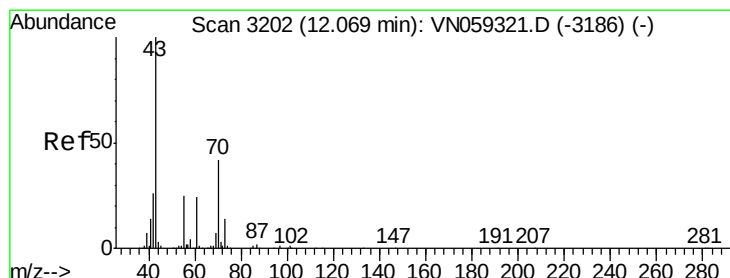
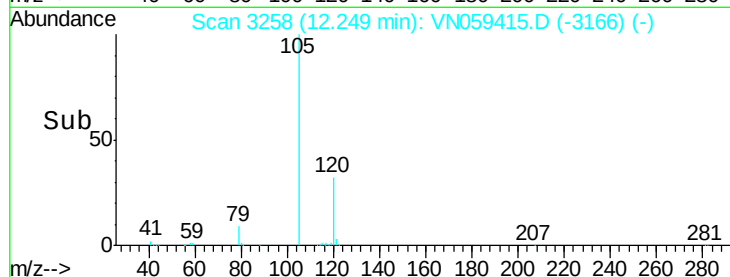
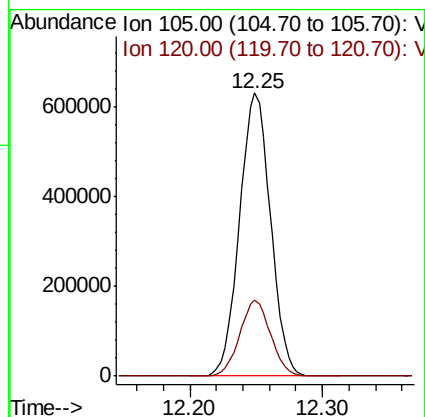
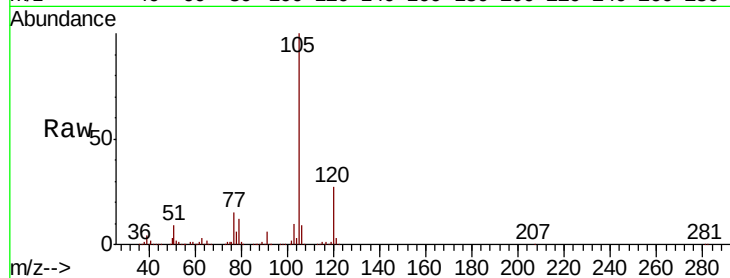
VSTDCCC050EC

Tot Ion:105 Resp: 1021674

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



#74

N-ethyl acetate

Concen: 49.476 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion: 43 Resp: 425113

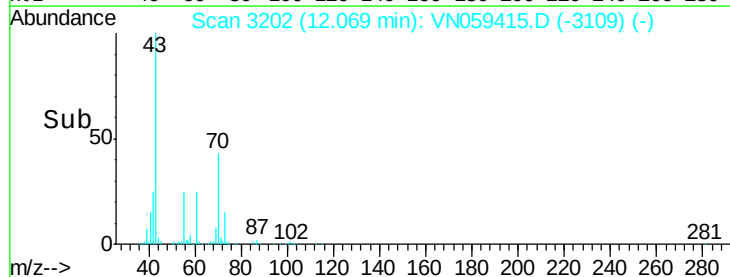
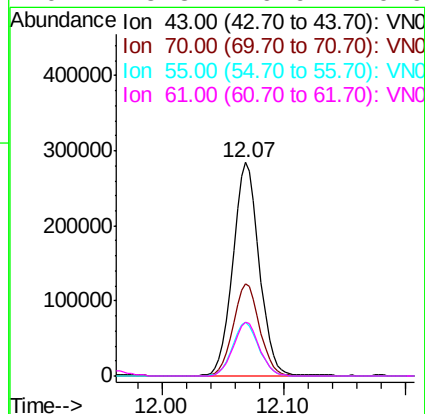
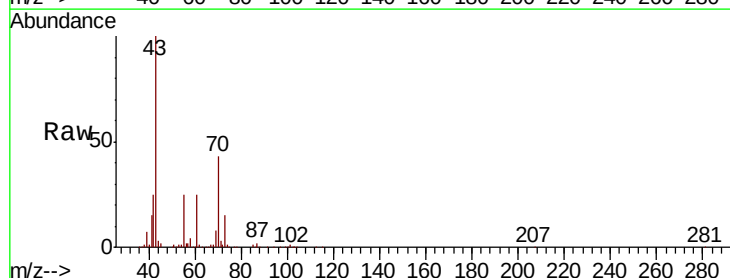
Ion Ratio Lower Upper

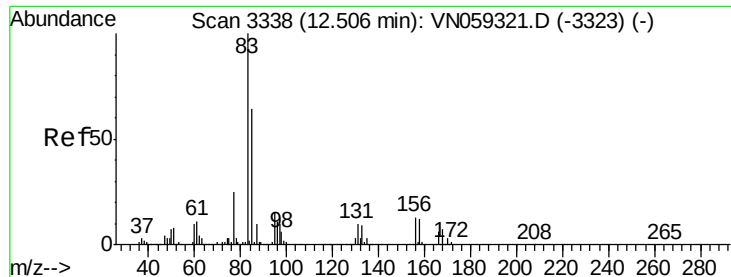
43 100

70 43.6 33.8 50.6

55 25.4 20.3 30.5

61 25.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.164 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

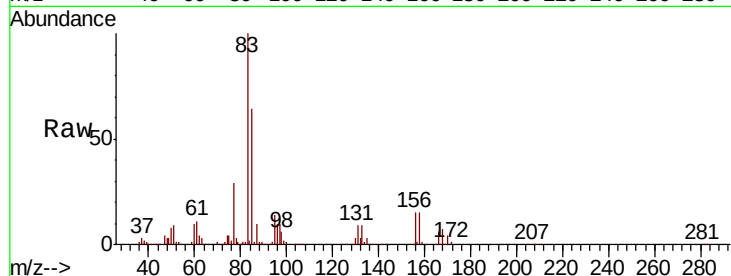
Tot Ion: 83 Resp: 340633

Ion Ratio Lower Upper

83 100

131 9.8 5.0 14.9

85 64.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

250000

200000

150000

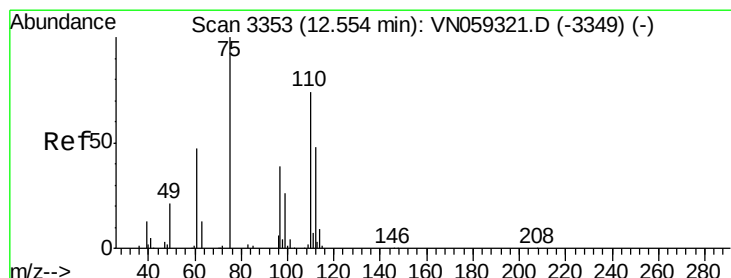
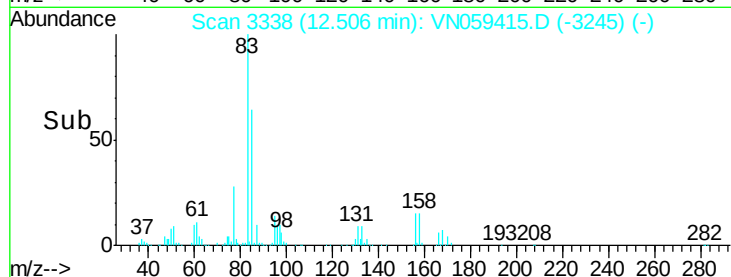
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 75.028 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059415.D

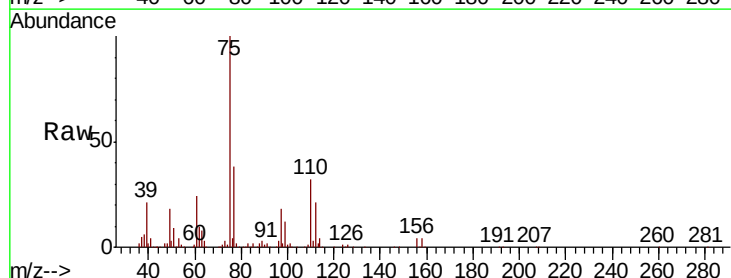
Acq: 26 Nov 2019 18:25

Tgt Ion: 75 Resp: 452378

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

300000

250000

200000

150000

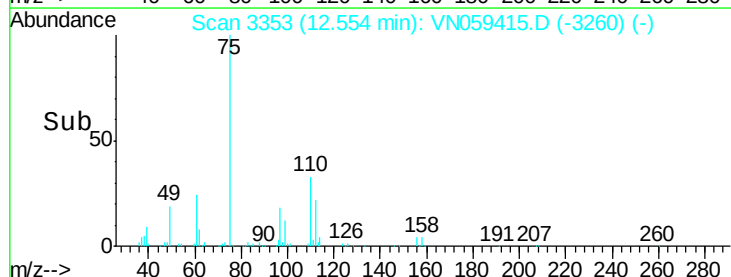
100000

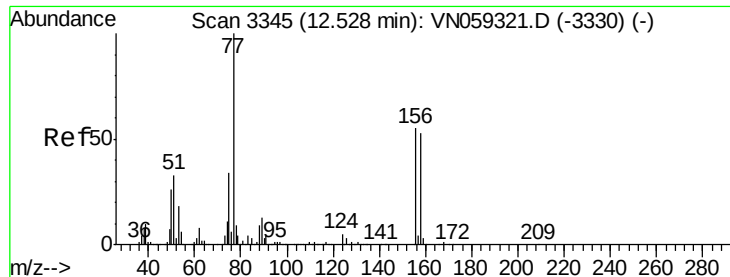
50000

0

12.40 12.50 12.60

Time-->





#77

Bromobenzene

Concen: 47.606 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

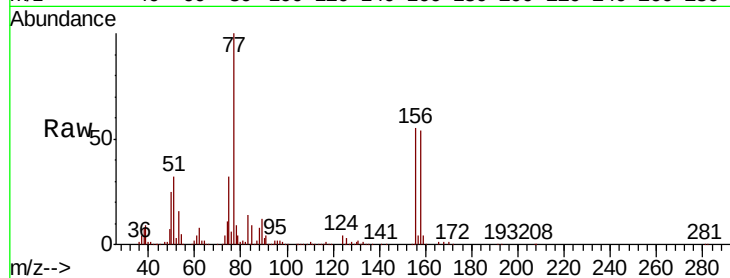
Tot Ion:156 Resp: 246870

Ion Ratio Lower Upper

156 100

77 221.7 111.1 333.4

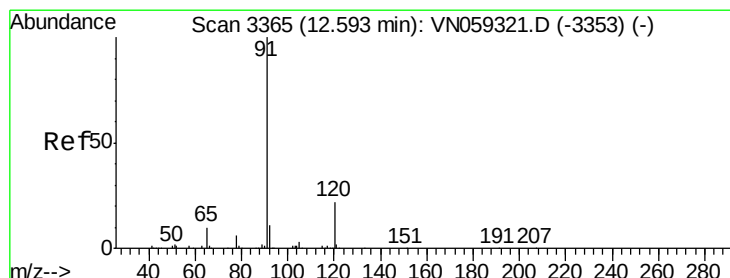
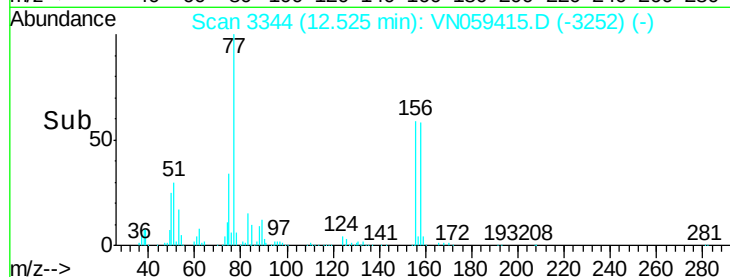
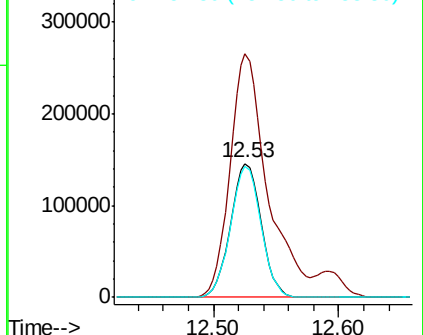
158 97.7 47.8 143.4



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: 49.184 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059415.D

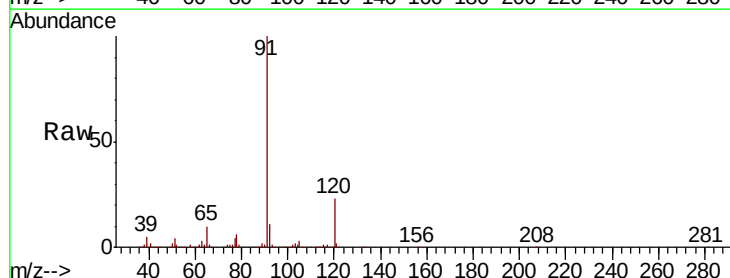
Acq: 26 Nov 2019 18:25

Tgt Ion: 91 Resp: 1191120

Ion Ratio Lower Upper

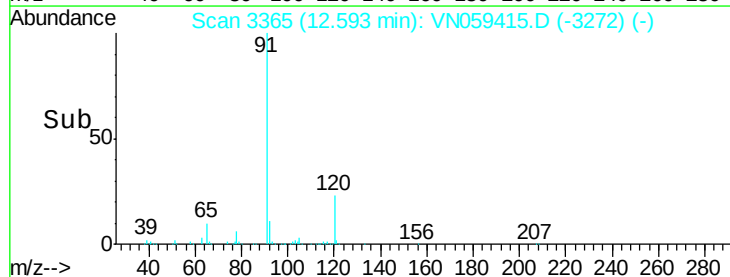
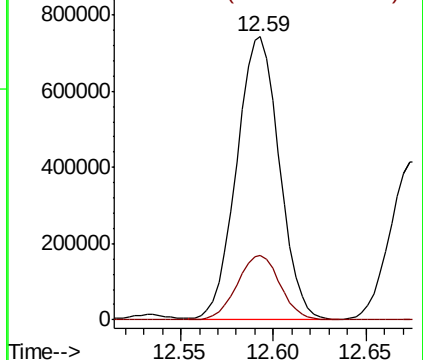
91 100

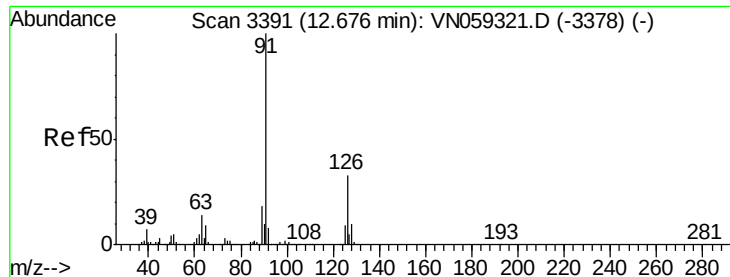
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.047 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

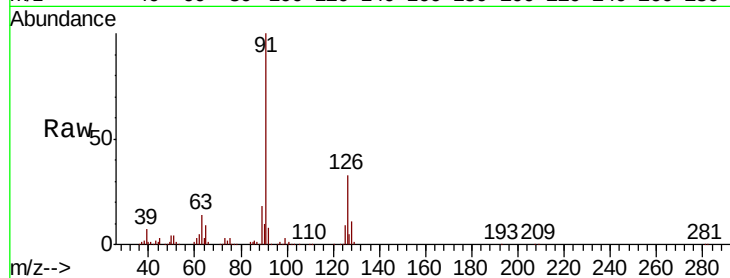
VSTDCCC050EC

Tot Ion: 91 Resp: 699345

Ion Ratio Lower Upper

91 100

126 33.7 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059415.D (-3398) (-)

Ion 125.90 (125.60 to 126.60): VN059415.D (-3398) (-)

800000

600000

400000

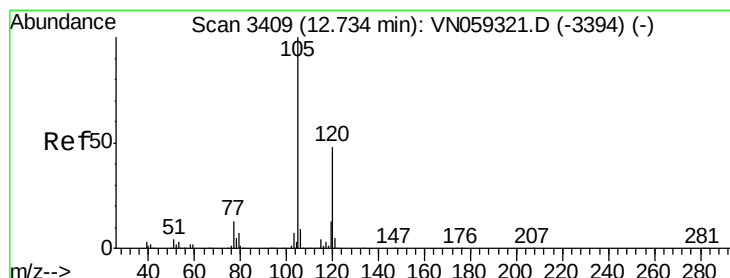
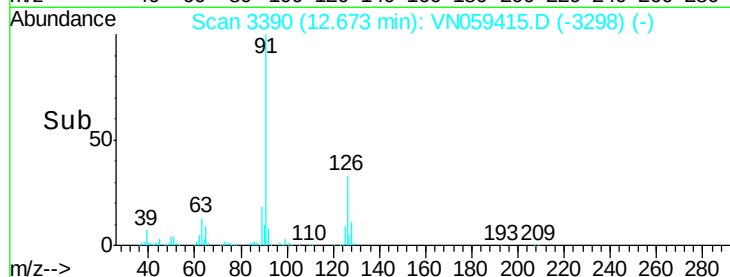
200000

0

12.67

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.807 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059415.D

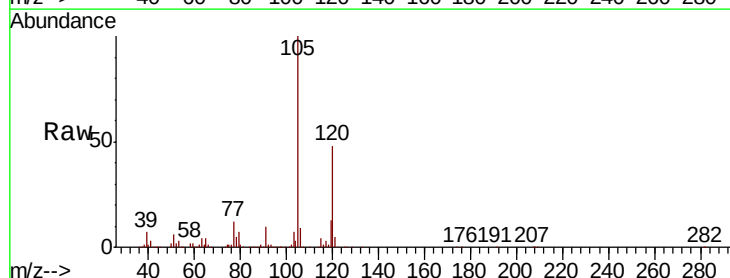
Acq: 26 Nov 2019 18:25

Tgt Ion: 105 Resp: 859214

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059415.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059415.D (-3316) (-)

600000

500000

400000

300000

200000

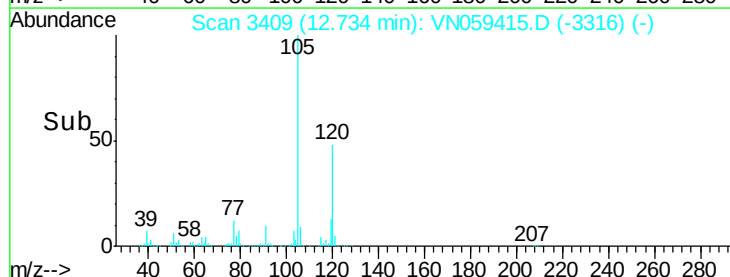
100000

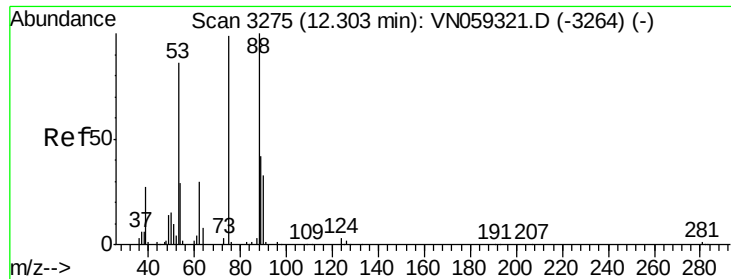
0

12.73

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.433 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

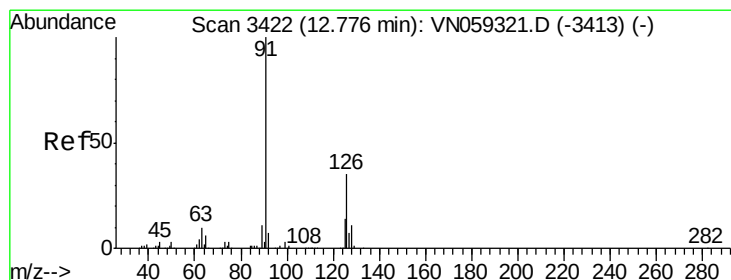
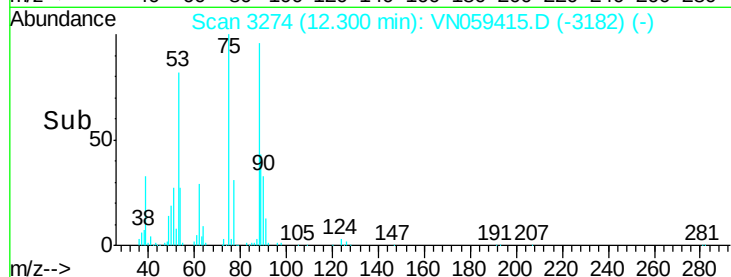
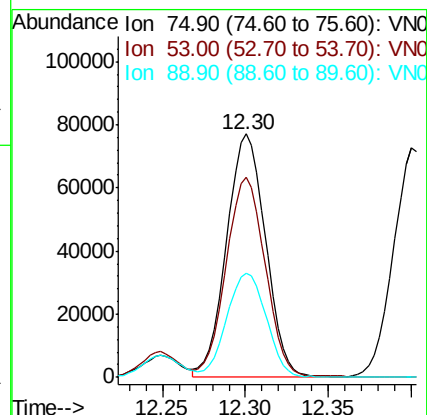
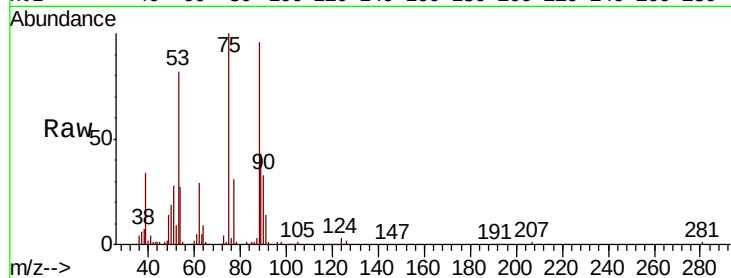
Tot Ion: 75 Resp: 126399

Ion Ratio Lower Upper

75 100

53 82.8 70.7 106.1

89 43.4 35.4 53.0



#82

4-Chlorotoluene

Concen: 46.436 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059415.D

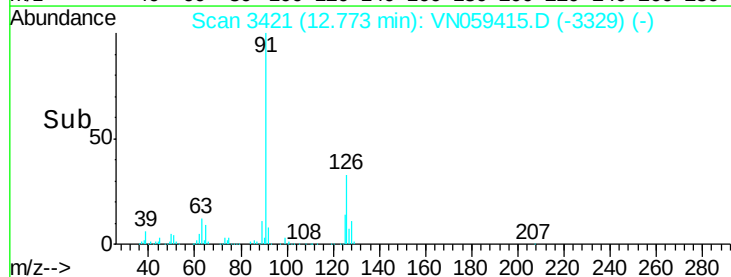
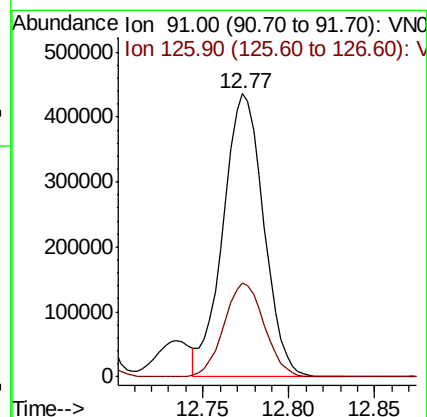
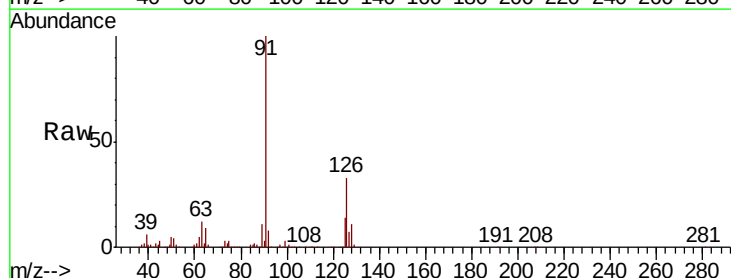
Acq: 26 Nov 2019 18:25

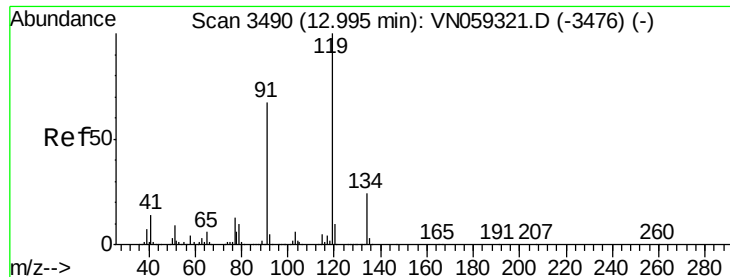
Tgt Ion: 91 Resp: 714307

Ion Ratio Lower Upper

91 100

126 33.1 16.2 48.6

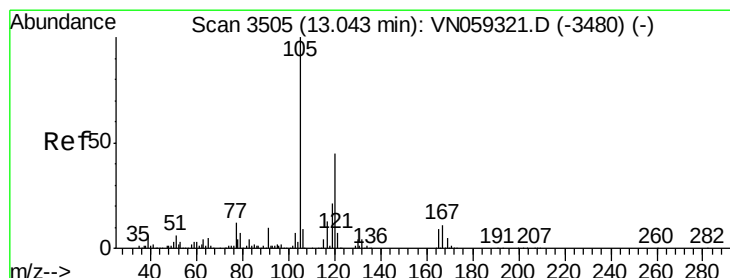
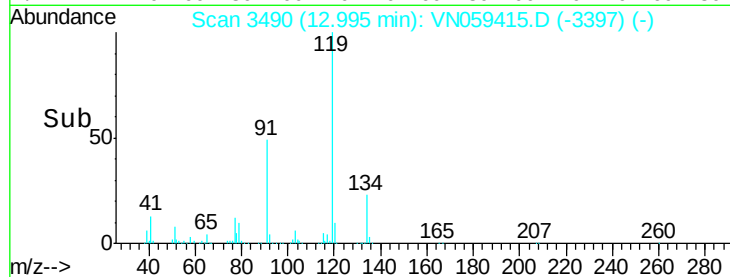
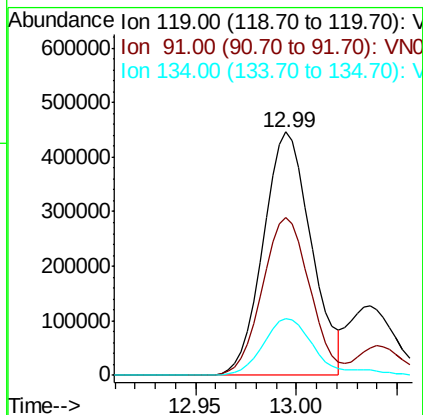
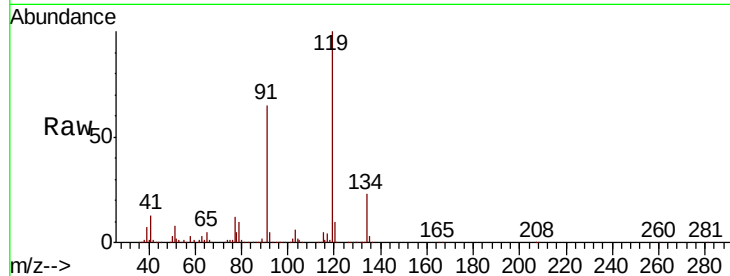




#83
 tert-Butylbenzene
 Concen: 48.728 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

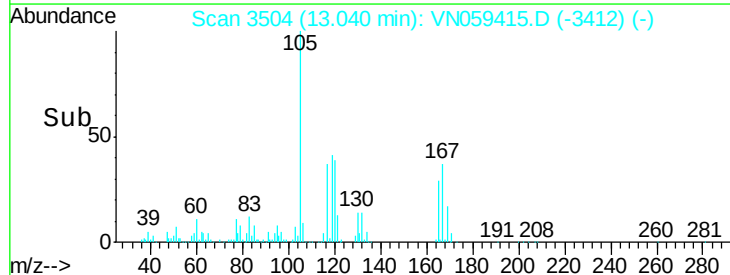
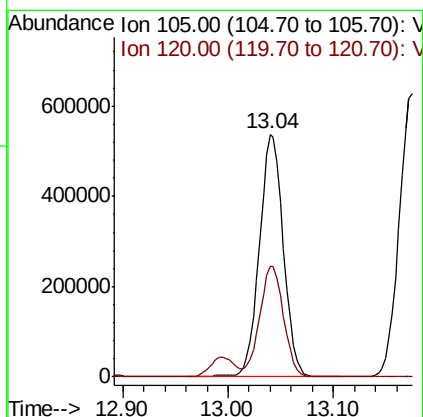
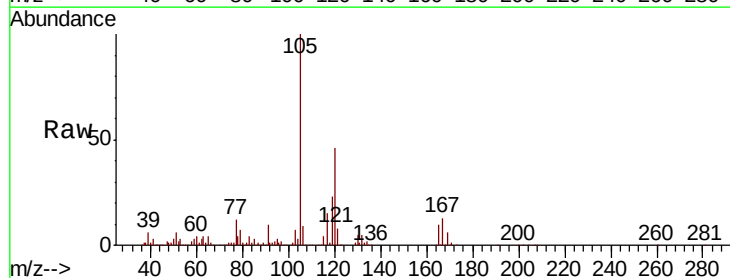
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

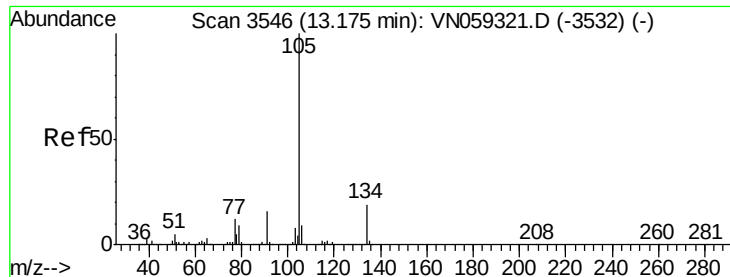
Tot Ion:119 Resp: 739645
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.8 98.4
 134 25.3 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 48.335 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion:105 Resp: 850959
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.6 67.8





#85

sec-Butylbenzene

Concen: 48.365 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

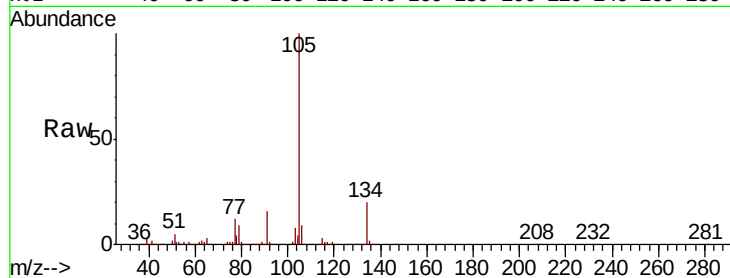
VSTDCCC050EC

Tot Ion:105 Resp: 986716

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

600000

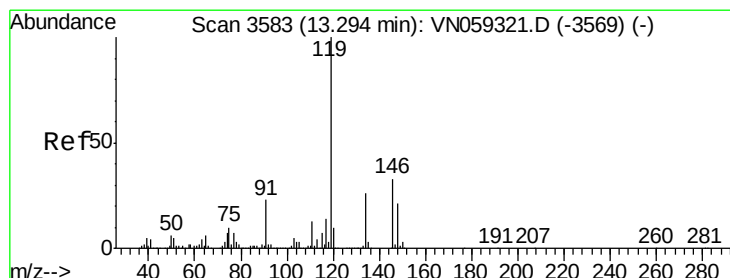
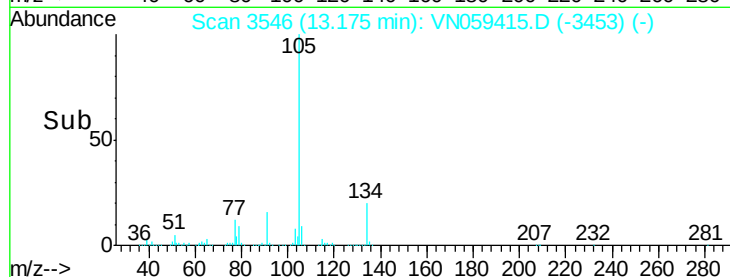
400000

200000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 49.041 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

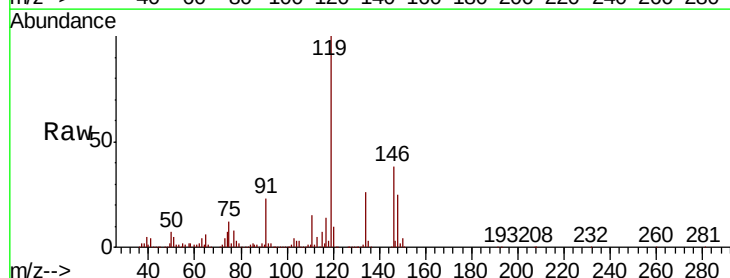
Tgt Ion:119 Resp: 890296

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 22.9 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

800000

600000

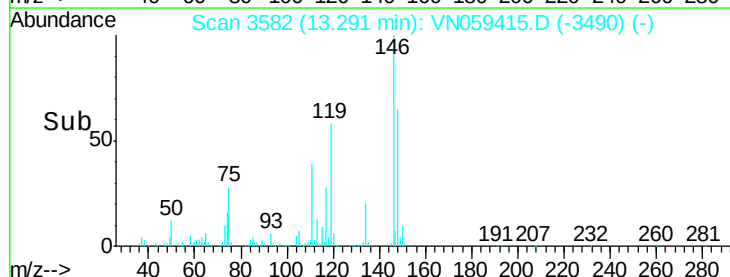
400000

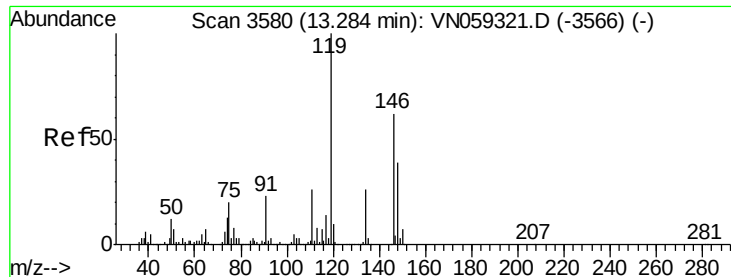
200000

0

Time-->

13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 47.218 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

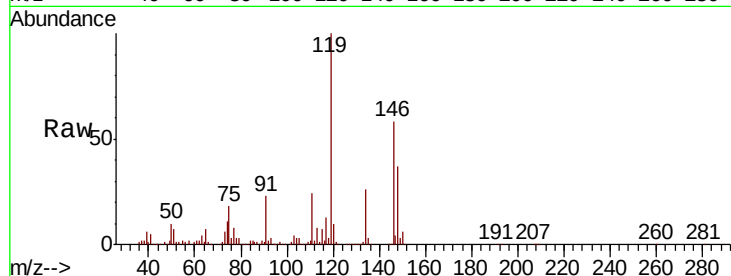
Tot Ion:146 Resp: 436052

Ion Ratio Lower Upper

146 100

111 40.6 20.6 61.8

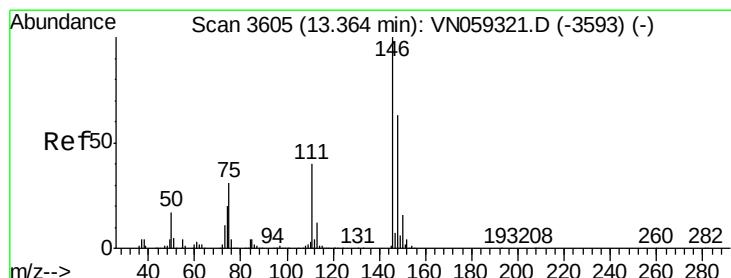
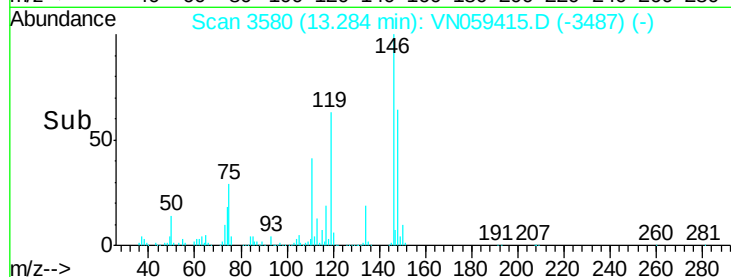
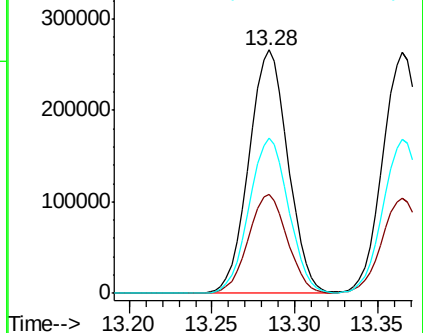
148 64.2 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 47.233 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

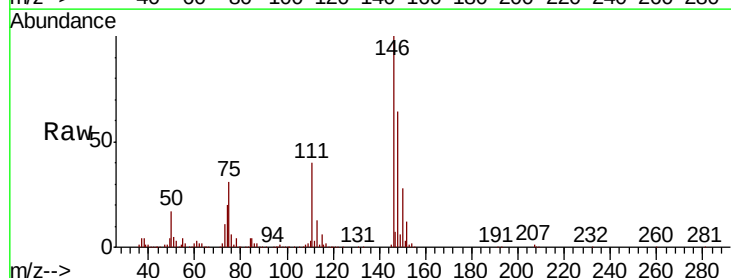
Tgt Ion:146 Resp: 431568

Ion Ratio Lower Upper

146 100

111 40.0 20.1 60.3

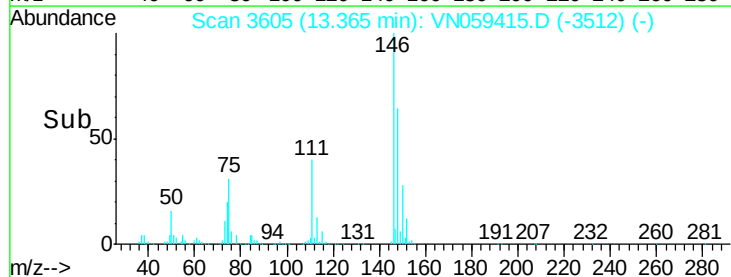
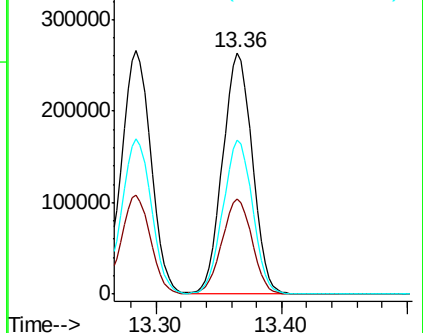
148 64.0 31.7 95.1

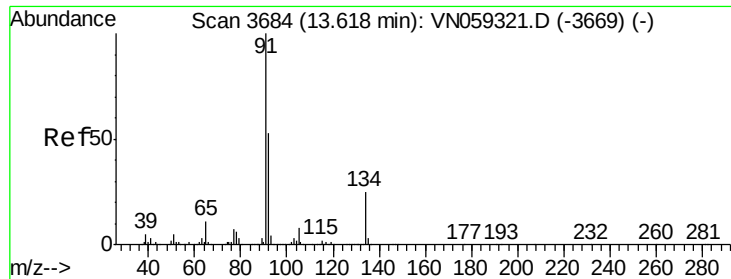


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

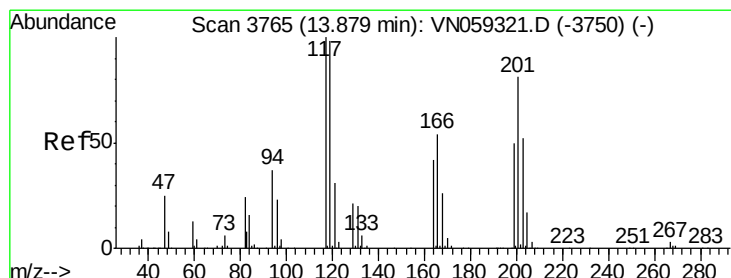
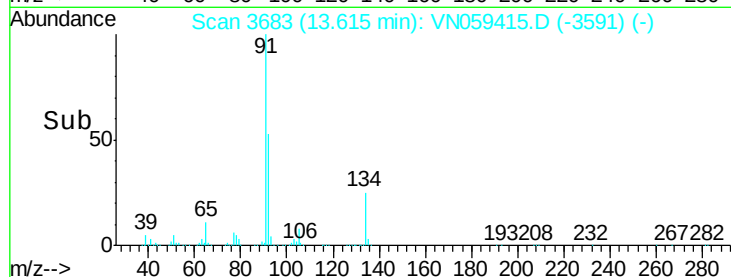
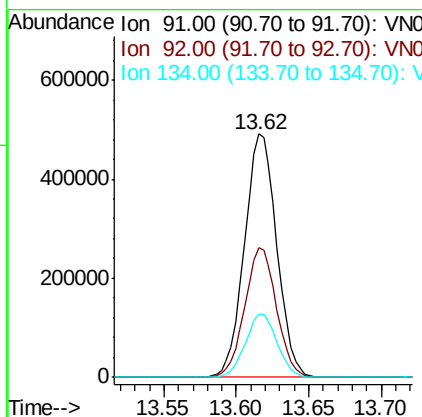
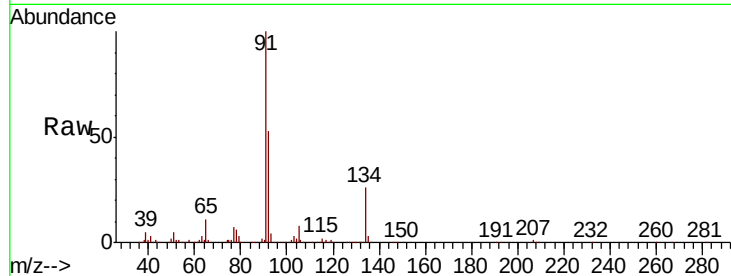




#89
n-Butylbenzene
Concen: 47.731 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

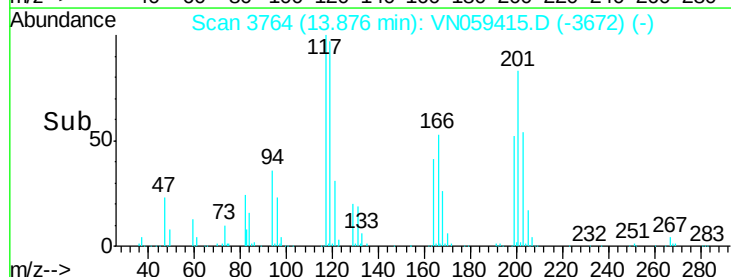
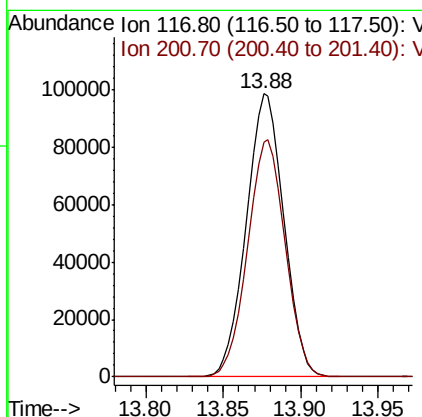
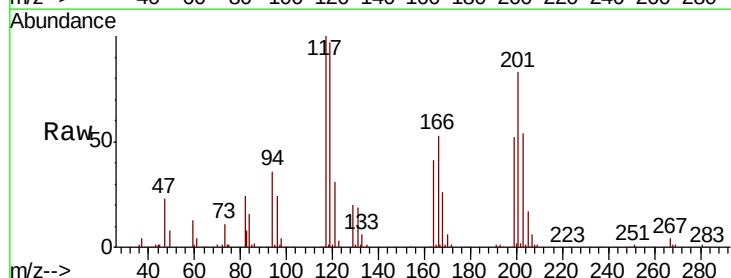
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

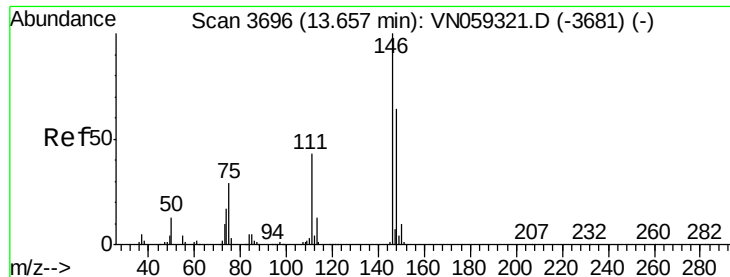
Tot Ion: 91 Resp: 760142
Ion Ratio Lower Upper
91 100
92 52.4 26.0 78.0
134 25.8 12.7 38.1



#90
Hexachloroethane
Concen: 48.617 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 117 Resp: 167153
Ion Ratio Lower Upper
117 100
201 83.7 40.4 121.2





#91

1,2-Dichlorobenzene

Concen: 47.323 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

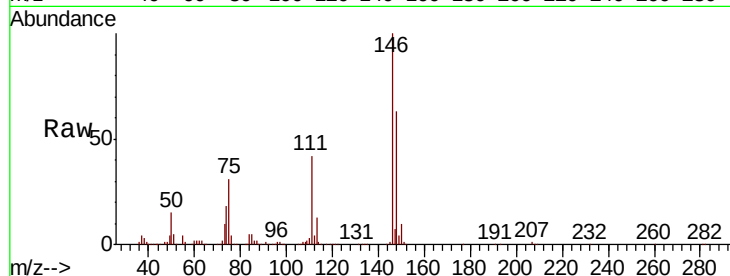
Tot Ion:146 Resp: 422821

Ion Ratio Lower Upper

146 100

111 42.1 21.3 64.0

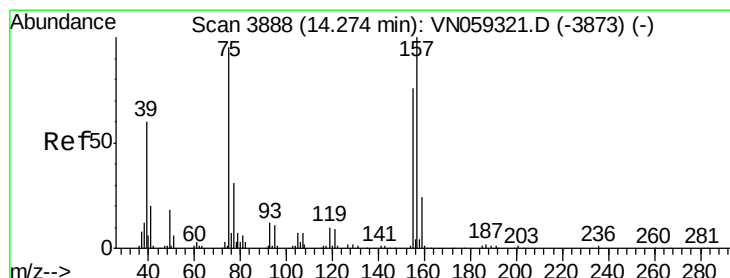
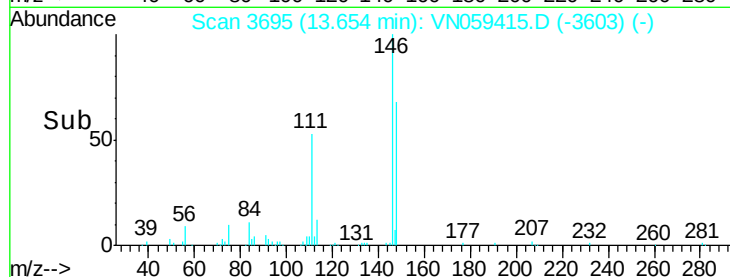
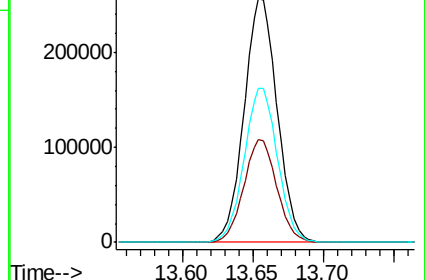
148 63.9 31.9 95.5



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: 44.876 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

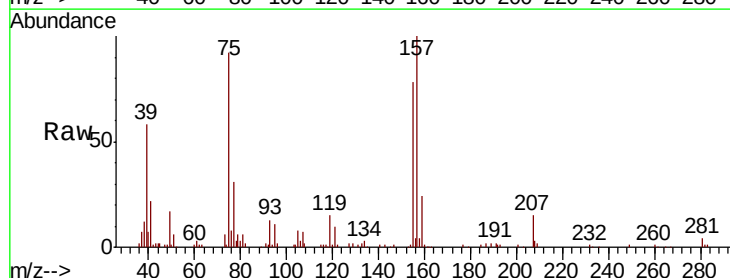
Tgt Ion: 75 Resp: 67477

Ion Ratio Lower Upper

75 100

155 82.3 40.5 121.5

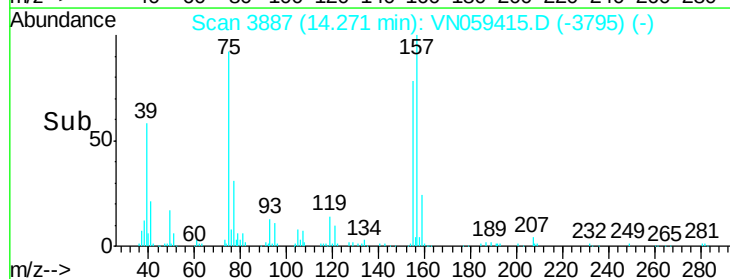
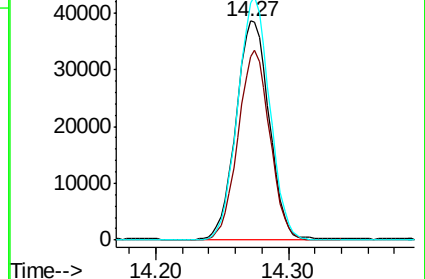
157 106.3 52.7 158.1

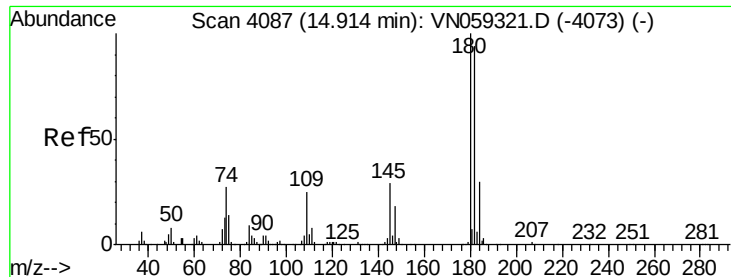


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 44.879 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

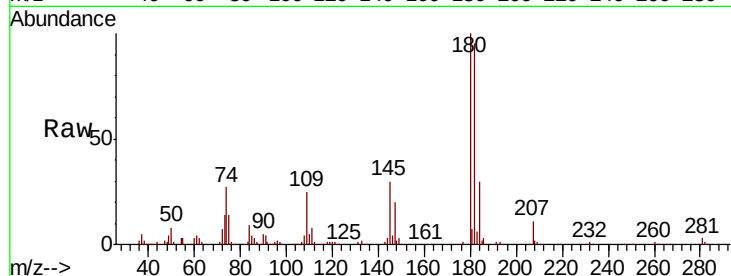
Tot Ion:180 Resp: 247622

Ion Ratio Lower Upper

180 100

182 95.3 47.2 141.6

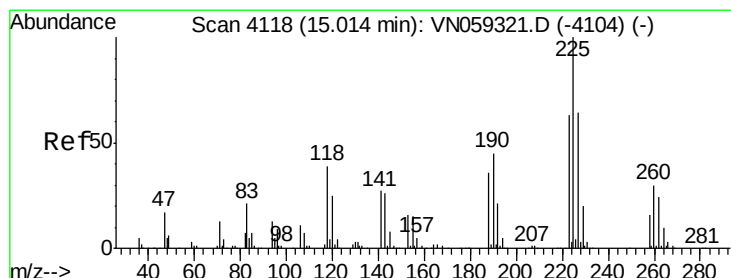
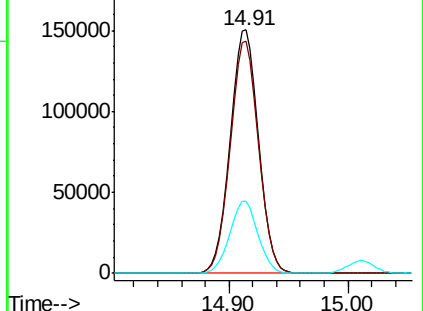
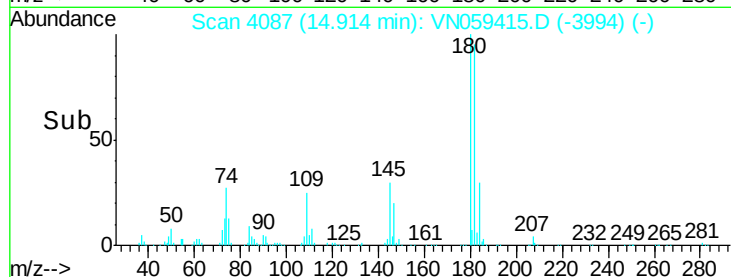
145 29.7 14.9 44.5



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: 45.711 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

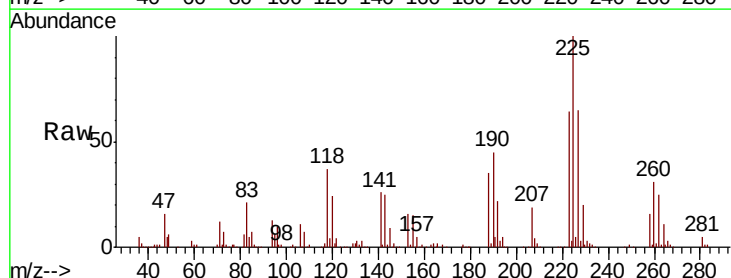
Tgt Ion:225 Resp: 147147

Ion Ratio Lower Upper

225 100

223 63.7 31.6 94.8

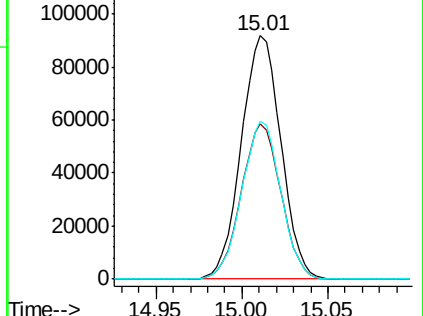
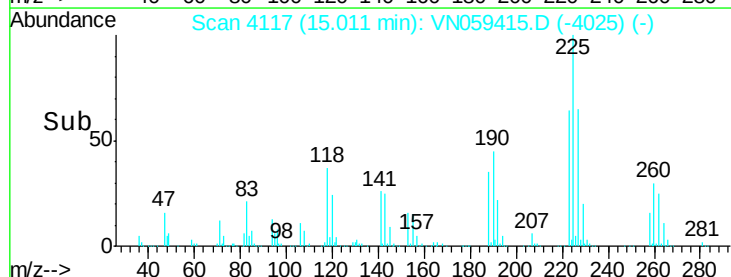
227 63.9 32.6 97.7

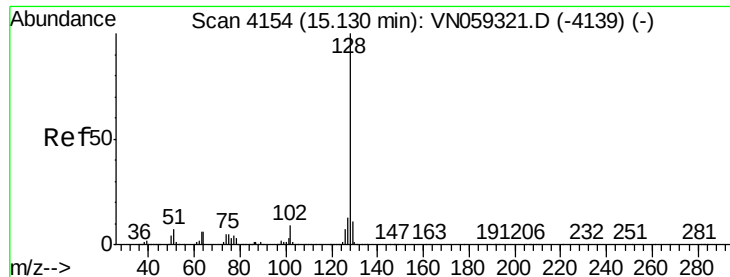


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

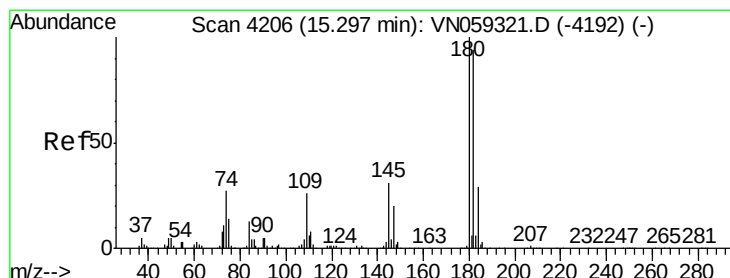
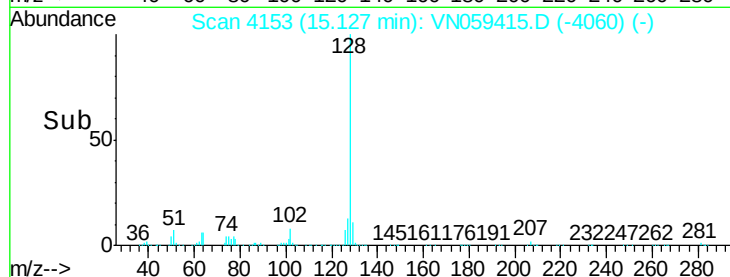
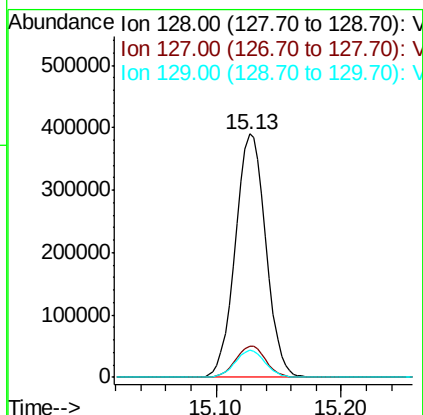
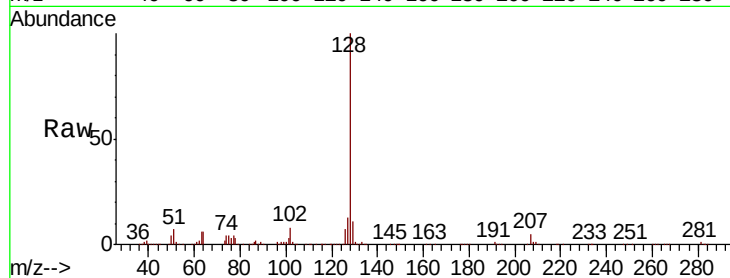




#95
Naphthalene
Concen: 43.232 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 658184
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 45.922 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion:180 Resp: 249595
Ion Ratio Lower Upper
180 100
182 94.3 47.1 141.4
145 31.5 15.6 46.8

