

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054329.D
 Acq On : 16 Mar 2019 00:13
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 16 03:27:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1349319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2069839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1813491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	842927	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	728906	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	7.59	113	680139	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.09	98	2445599	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	841264	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	616914	48.241	ug/l	98
3) Chloromethane	2.06	50	599155	48.233	ug/l	100
4) Vinyl Chloride	2.19	62	668882	47.111	ug/l	99
5) Bromomethane	2.57	94	387170	39.373	ug/l	97
6) Chloroethane	2.71	64	410100	47.739	ug/l	99
7) Trichlorofluoromethane	3.02	101	861297	45.627	ug/l	100
8) Diethyl Ether	3.41	74	465018	54.058	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	694120	49.070	ug/l	99
10) Methyl Iodide	3.94	142	953781	47.554	ug/l	98
11) Tert butyl alcohol	4.82	59	263455	268.183	ug/l	98
12) 1,1-Dichloroethene	3.73	96	711545	50.760	ug/l	97
13) Acrolein	3.61	56	178223	191.456	ug/l	99
14) Allyl chloride	4.31	41	857804	47.694	ug/l	99
15) Acrylonitrile	4.99	53	1172240	290.497	ug/l	100
16) Acetone	3.82	43	837509	204.124	ug/l	99
17) Carbon Disulfide	4.04	76	1542496	43.895	ug/l	99
18) Methyl Acetate	4.33	43	539400	64.980	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1877580	54.037	ug/l	99
20) Methylene Chloride	4.54	84	761123	56.496	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	677499	50.443	ug/l	99
22) Diisopropyl ether	5.96	45	1908823	53.177	ug/l	96
23) Vinyl Acetate	5.90	43	7031202	265.667	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1181733	51.273	ug/l	100
25) 2-Butanone	6.85	43	1360110	282.438	ug/l	99
26) 2,2-Dichloropropane	6.82	77	658661	32.497	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	796322	53.145	ug/l	95
28) Bromochloromethane	7.19	49	481159	51.066	ug/l	95
29) Tetrahydrofuran	7.22	42	901631	291.200	ug/l	98
30) Chloroform	7.37	83	1268878	52.759	ug/l	99
31) Cyclohexane	7.65	56	1025260	47.519	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1107068	50.968	ug/l	100
36) 1,1-Dichloropropene	7.79	75	947054	49.684	ug/l	99
37) Ethyl Acetate	6.94	43	595767	54.396	ug/l	99
38) Carbon Tetrachloride	7.77	117	963219	48.187	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1050907	44.809	ug/l	98
40) Benzene	8.04	78	2823461	51.763	ug/l	100
41) Methacrylonitrile	7.18	41	321082	51.344	ug/l	94
42) 1,2-Dichloroethane	8.13	62	944264	51.275	ug/l	99
43) Isopropyl Acetate	8.17	43	1026199	53.379	ug/l	98
44) Trichloroethene	8.83	130	857745	50.620	ug/l	99
45) 1,2-Dichloropropane	9.12	63	710268	52.440	ug/l	99
46) Dibromomethane	9.21	93	485074	53.006	ug/l	99
47) Bromodichloromethane	9.40	83	958456	52.243	ug/l	98
48) Methyl methacrylate	9.20	41	548341	56.204	ug/l	97
49) 1,4-Dioxane	9.21	88	164584	1192.638	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	3030795	297.902	ug/l	99
52) Toluene	10.16	92	1801987	52.102	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	885168	42.495	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1031867	48.266	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	697003	55.192	ug/l	99
56) Ethyl methacrylate	10.43	69	859727	57.094	ug/l	96
57) 1,3-Dichloropropane	10.71	76	1113284	53.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1616456	247.608	ug/l	100
59) 2-Hexanone	10.75	43	1916387	283.087	ug/l	98
60) Dibromochloromethane	10.90	129	744064	52.346	ug/l	99
61) 1,2-Dibromoethane	11.01	107	705633	54.984	ug/l	100
64) Tetrachloroethene	10.63	164	853002	48.649	ug/l	99
65) Chlorobenzene	11.44	112	2069706	51.977	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	766911	53.017	ug/l	99
67) Ethyl Benzene	11.51	91	3364314	50.969	ug/l	99
68) m/p-Xylenes	11.62	106	2644544	102.507	ug/l	99
69) o-Xylene	11.95	106	1312373	52.183	ug/l	99
70) Styrene	11.96	104	2079216	52.715	ug/l	99
71) Bromoform	12.13	173	509674	46.399	ug/l	100
73) Isopropylbenzene	12.25	105	3411924	50.592	ug/l	100
74) N-amyl acetate	12.07	43	836900	55.908	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	828916	57.690	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	949771	76.622	ug/l #	100
77) Bromobenzene	12.53	156	944953	52.952	ug/l	97
78) n-propylbenzene	12.59	91	3640590	49.751	ug/l	100
79) 2-Chlorotoluene	12.68	91	2229251	50.666	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2772814	49.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158631	43.747	ug/l	95
82) 4-Chlorotoluene	12.77	91	2214967	50.416	ug/l	100
83) tert-Butylbenzene	12.99	119	2529471	48.990	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2797936	50.842	ug/l	100
85) sec-Butylbenzene	13.17	105	3166875	47.295	ug/l	100
86) p-Isopropyltoluene	13.29	119	2759327	46.972	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1544517	51.364	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1501422	50.827	ug/l	100
89) n-Butylbenzene	13.62	91	2075904	46.509	ug/l	100
90) Hexachloroethane	13.88	117	446061	45.857	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1553425	52.844	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	122046	54.891	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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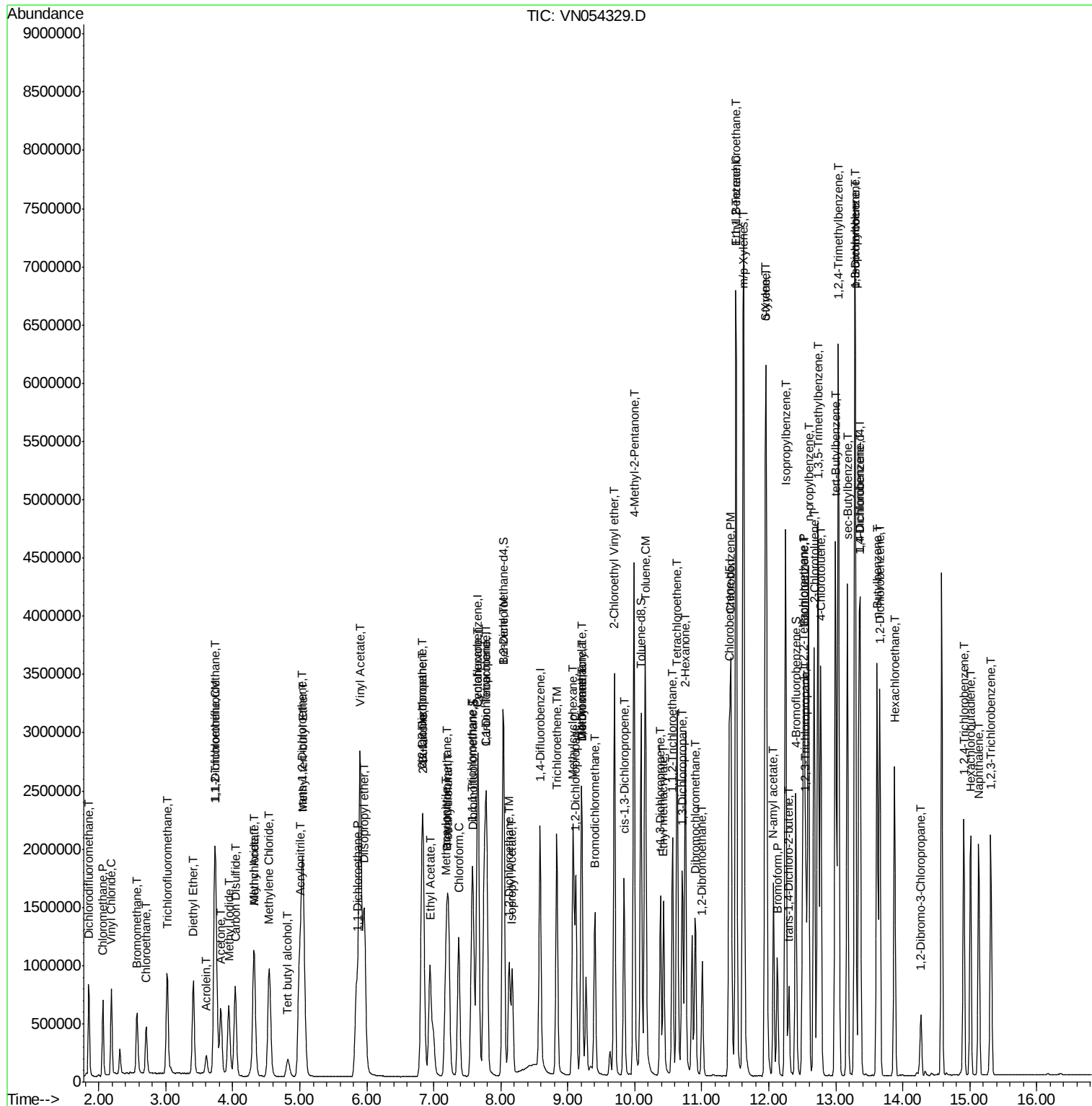
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	789241	44.749	ug/l	99
94) Hexachlorobutadiene	15.01	225	449339	40.130	ug/l	99
95) Naphthalene	15.13	128	1790904	48.549	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	799023	51.157	ug/l	99

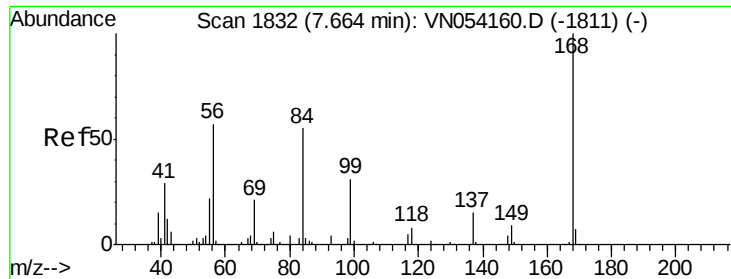
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

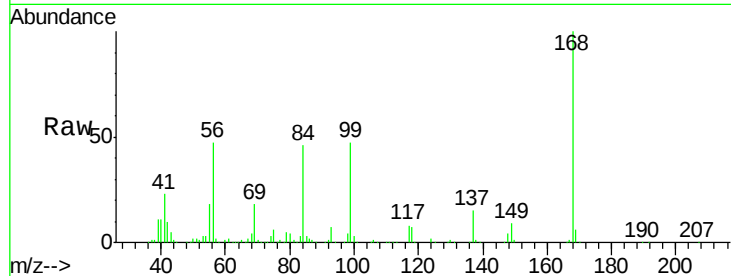
VSTDCCC050EC

Tot Ion:168 Resp: 1349319

Ion Ratio Lower Upper

168 100

99 46.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

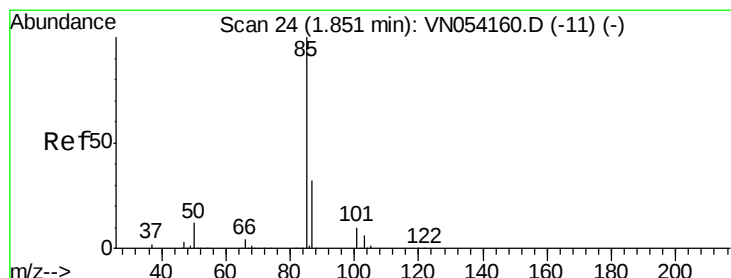
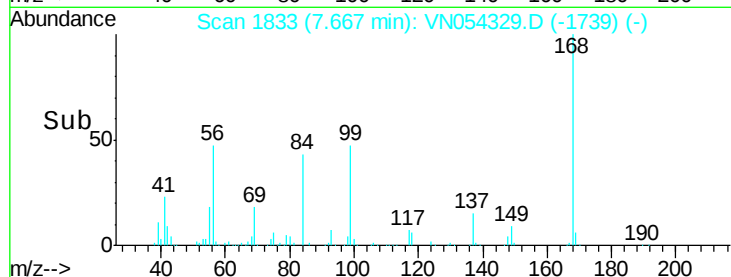
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.241 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054329.D

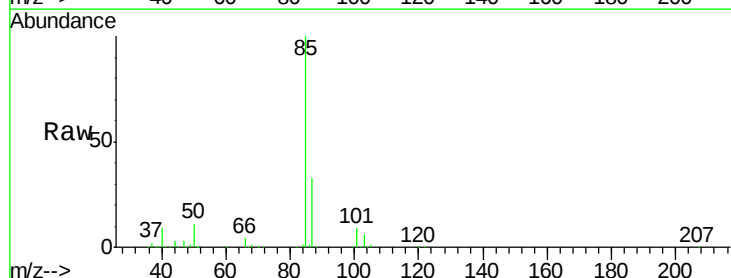
Acq: 16 Mar 2019 00:13

Tgt Ion: 85 Resp: 616914

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

500000

400000

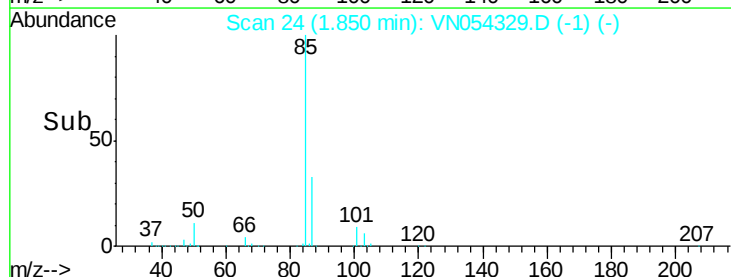
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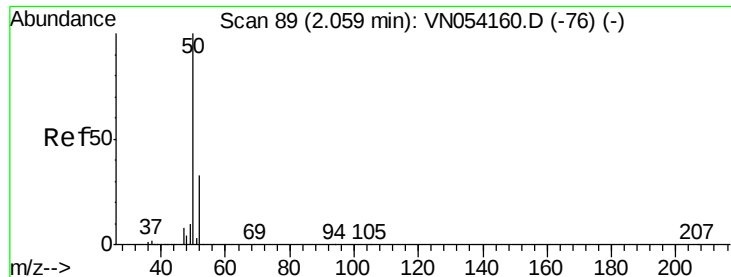
200000

100000

0

Time-->





#3

Chloromethane

Concen: 48.233 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

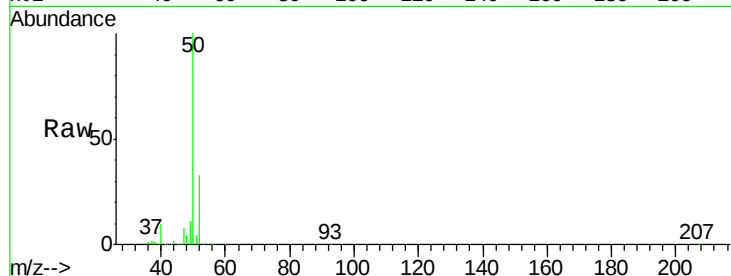
VSTDCCC050EC

Tot Ion: 50 Resp: 599155

Ion Ratio Lower Upper

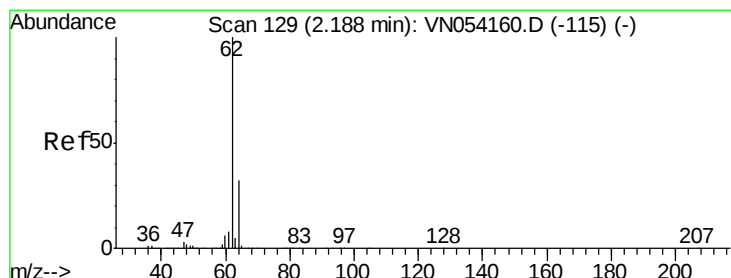
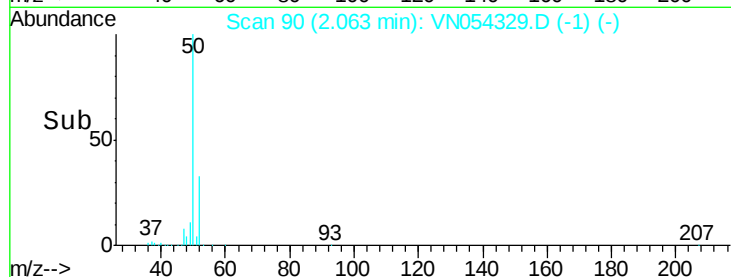
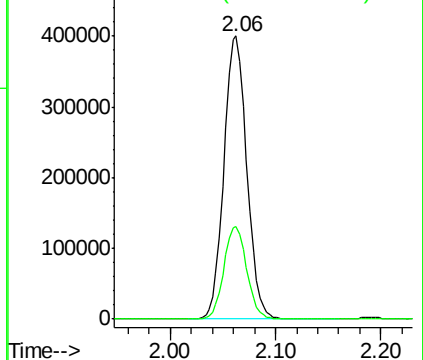
50 100

52 32.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.111 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054329.D

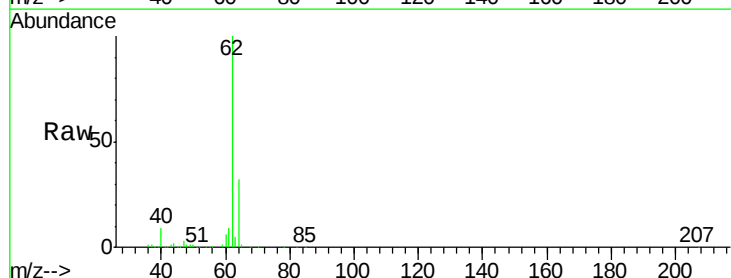
Acq: 16 Mar 2019 00:13

Tgt Ion: 62 Resp: 668882

Ion Ratio Lower Upper

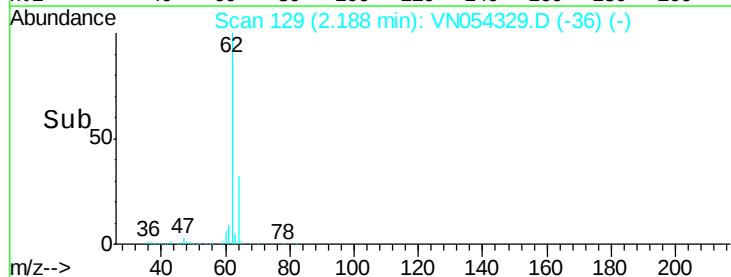
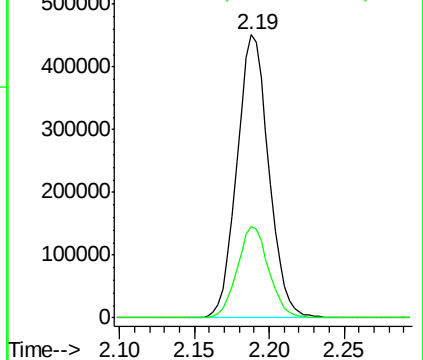
62 100

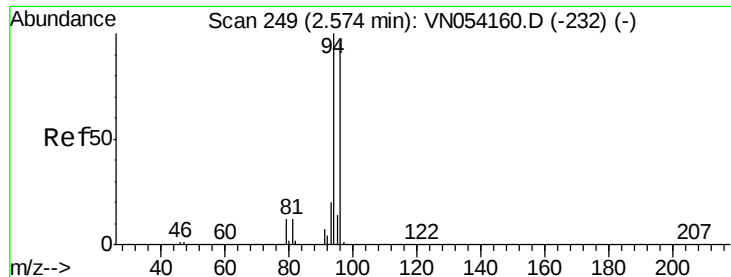
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 39.373 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

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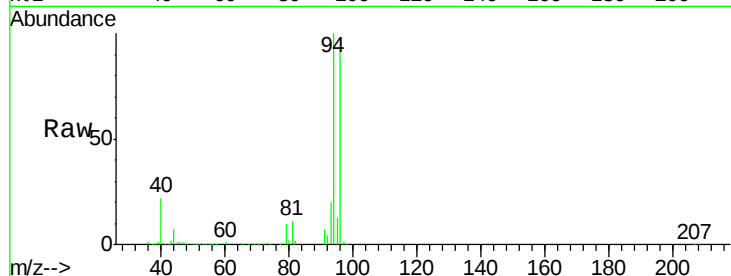
VSTDCCC050EC

Tot Ion: 94 Resp: 387170

Ion Ratio Lower Upper

94 100

96 93.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN054329.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054329.D (-156) (-)

2.57

200000

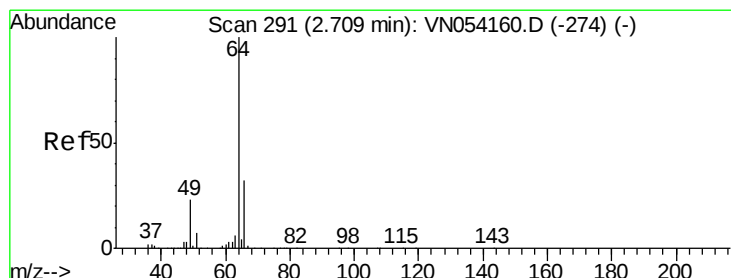
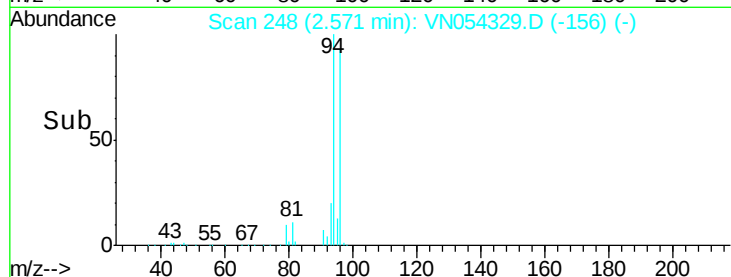
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 47.739 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054329.D

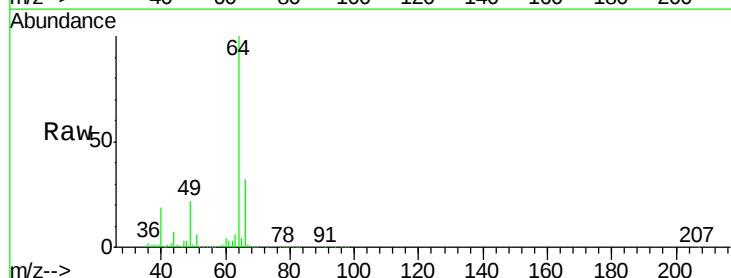
Acq: 16 Mar 2019 00:13

Tgt Ion: 64 Resp: 410100

Ion Ratio Lower Upper

64 100

66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054329.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN054329.D (-198) (-)

2.71

250000

200000

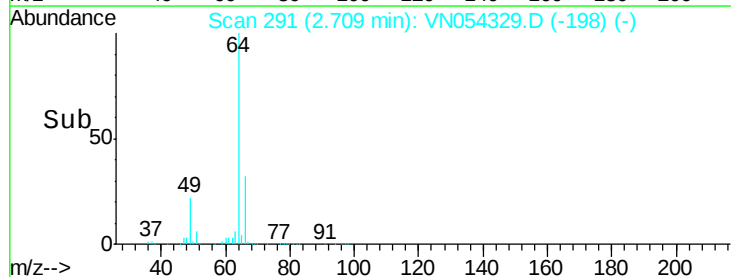
150000

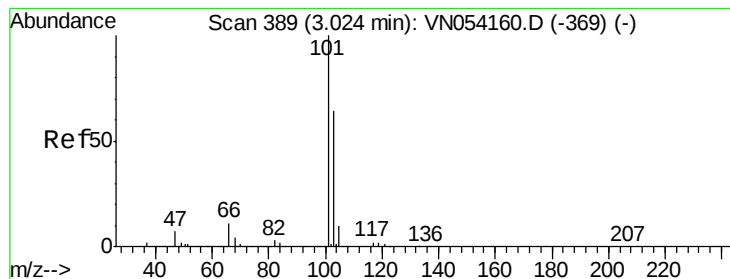
100000

50000

0

Time--> 2.60 2.70 2.80



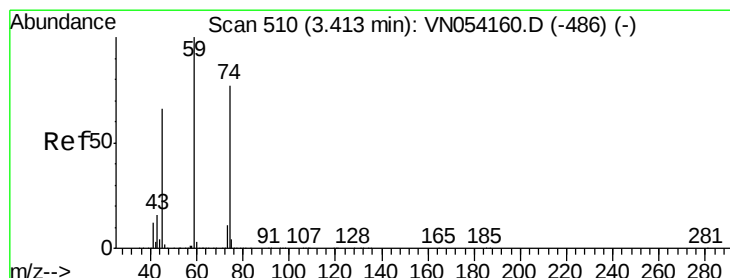
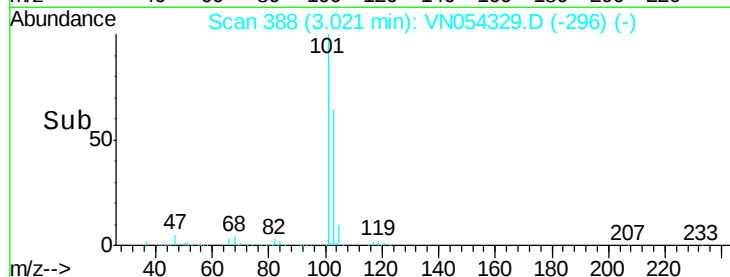
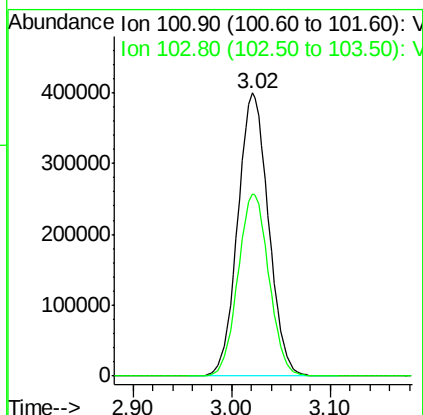
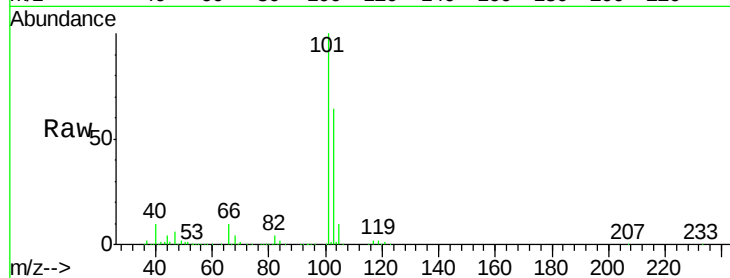


#7

Trichlorofluoromethane
 Concen: 45.627 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
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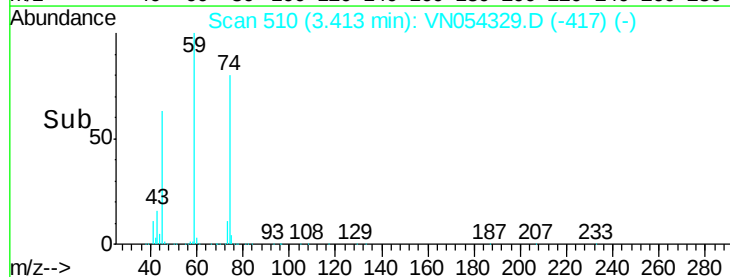
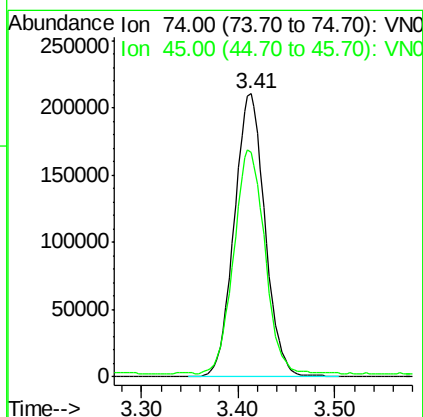
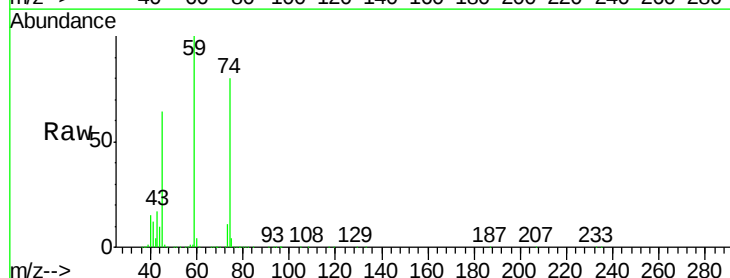
Tot Ion:101 Resp: 861297
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.4 77.2

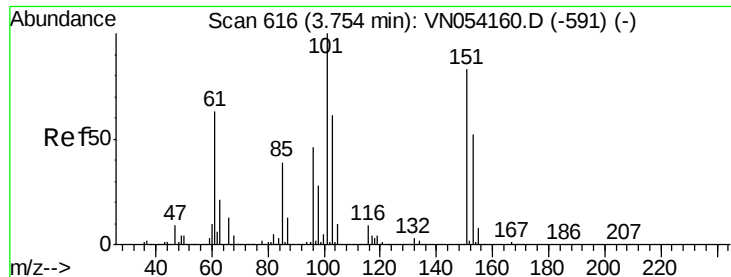


#8

Diethyl Ether
 Concen: 54.058 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 74 Resp: 465018
 Ion Ratio Lower Upper
 74 100
 45 79.3 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.070 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054329.D

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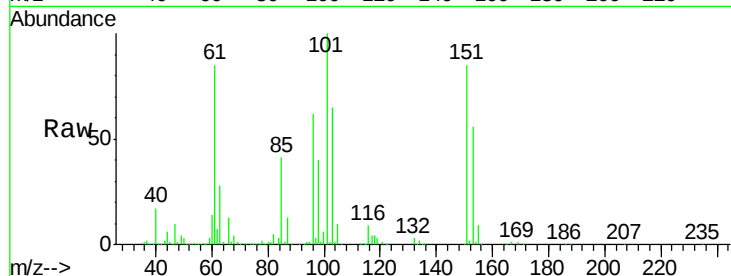
Tot Ion:101 Resp: 694120

Ion Ratio Lower Upper

101 100

85 41.0 32.4 48.6

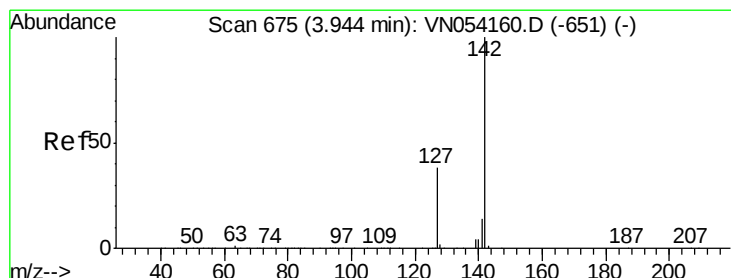
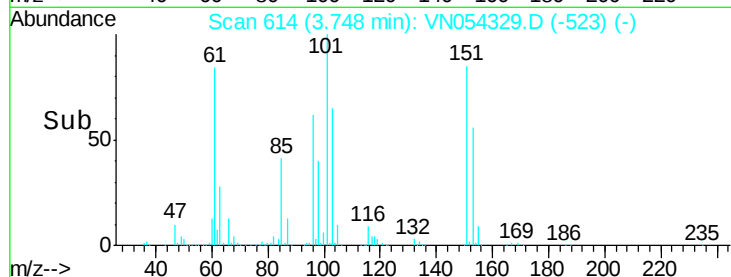
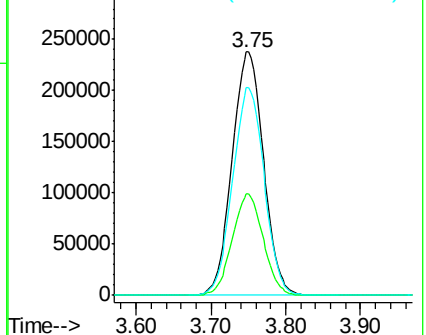
151 85.8 68.2 102.2



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: 47.554 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

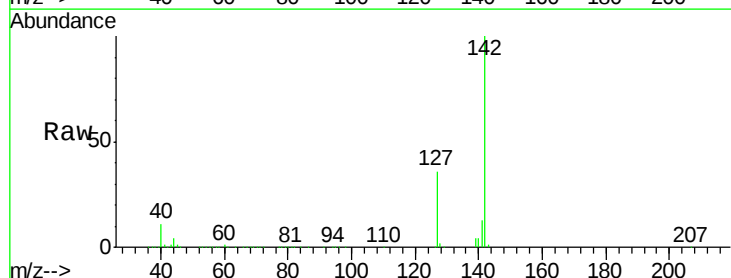
Tgt Ion:142 Resp: 953781

Ion Ratio Lower Upper

142 100

127 36.2 30.3 45.5

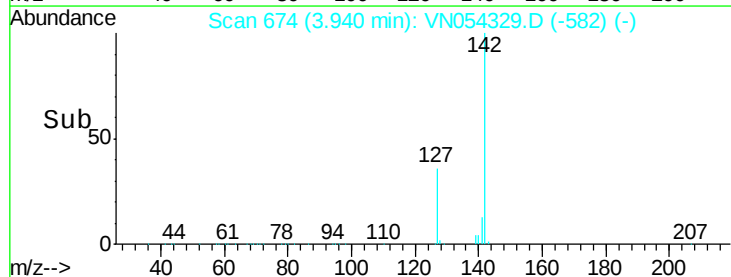
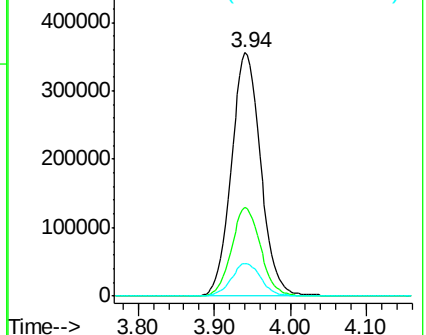
141 13.6 11.2 16.8

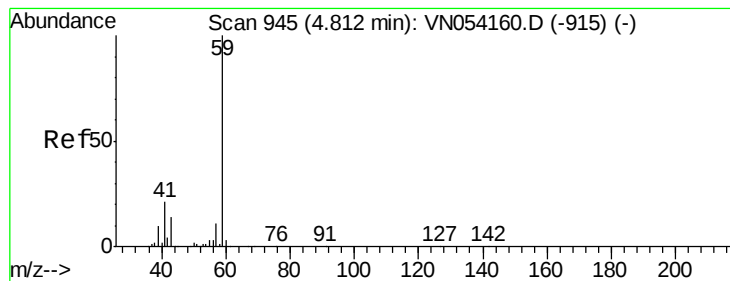


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



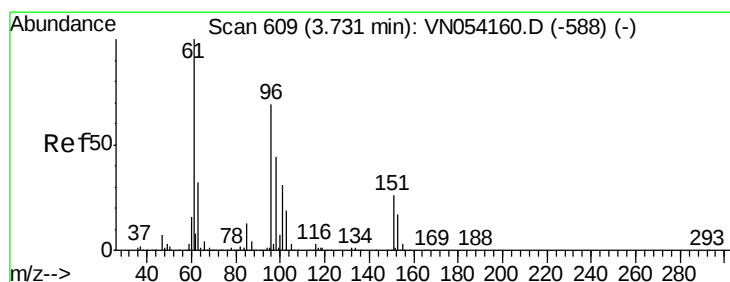
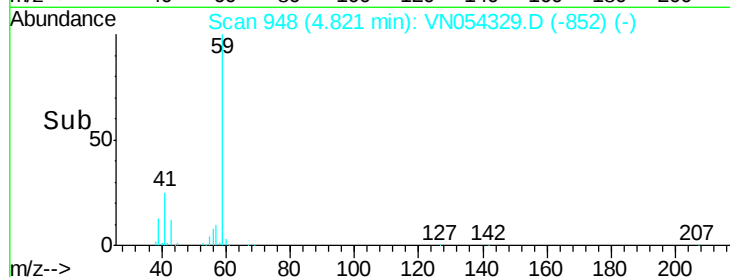
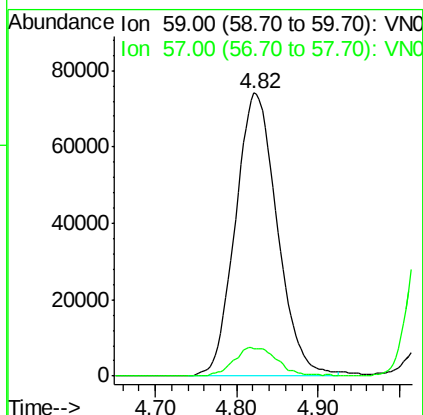
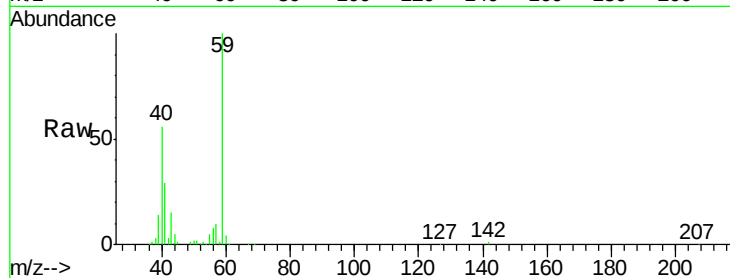


#11

Tert butyl alcohol
 Concen: 268.183 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

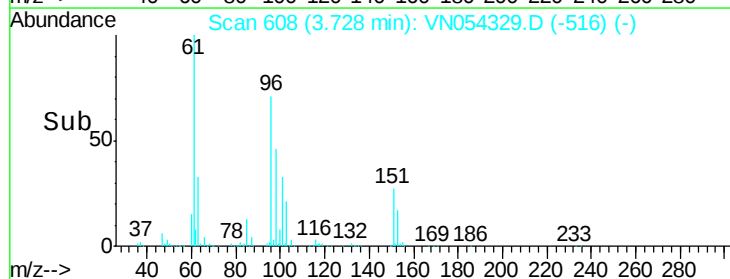
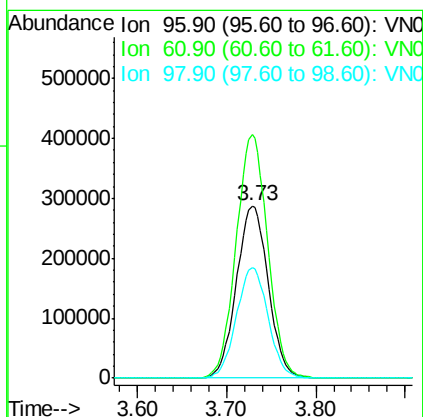
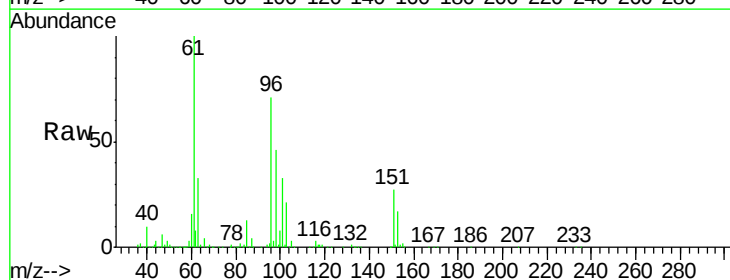
Tot Ion: 59 Resp: 263455
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.0 13.6

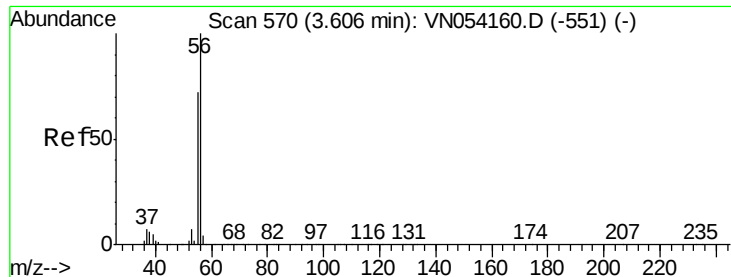


#12

1,1-Dichloroethene
 Concen: 50.760 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 96 Resp: 711545
 Ion Ratio Lower Upper
 96 100
 61 141.2 116.5 174.7
 98 64.4 51.0 76.4





#13

Acrolein

Concen: 191.456 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

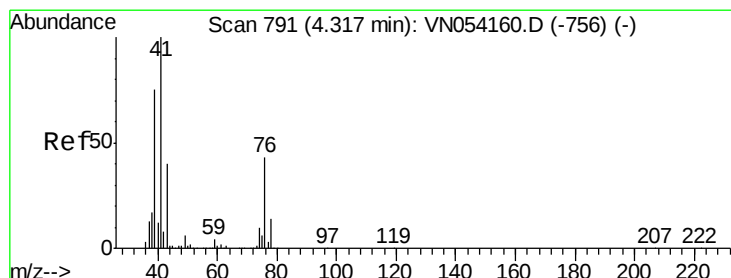
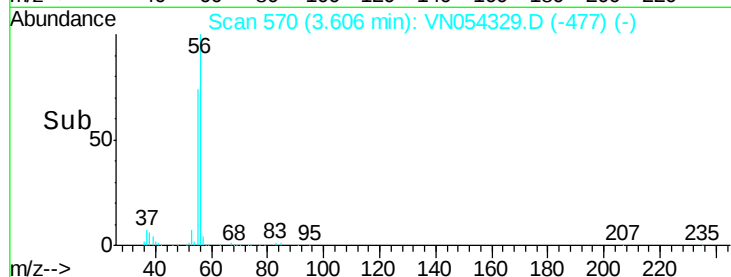
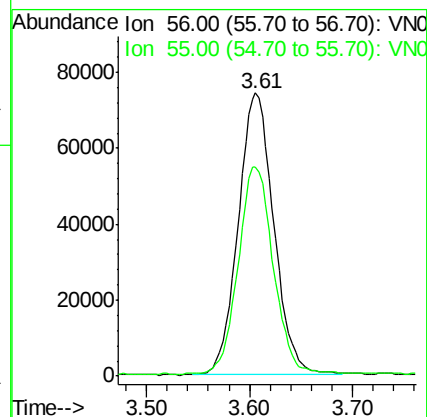
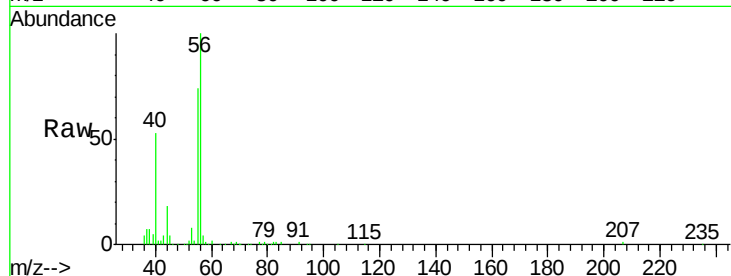
VSTDCCC050EC

Tot Ion: 56 Resp: 178223

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



#14

Allyl chloride

Concen: 47.694 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

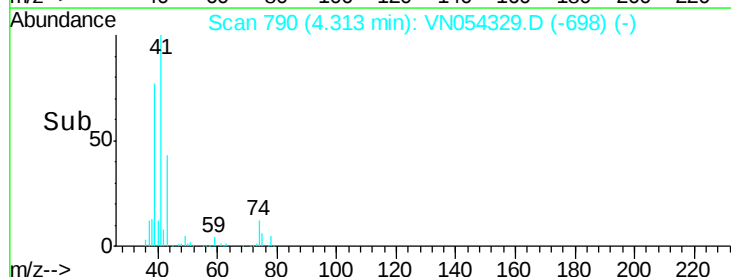
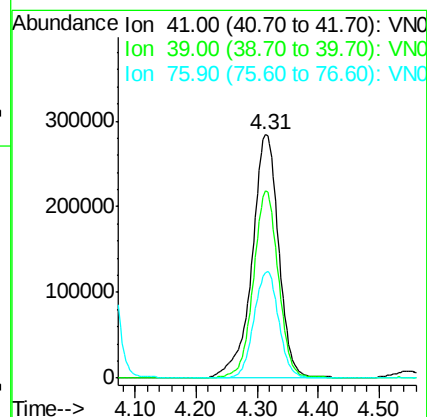
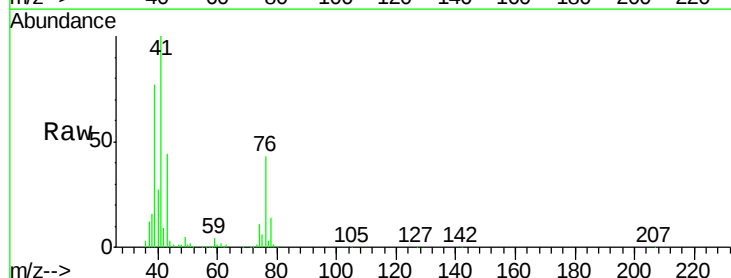
Tgt Ion: 41 Resp: 857804

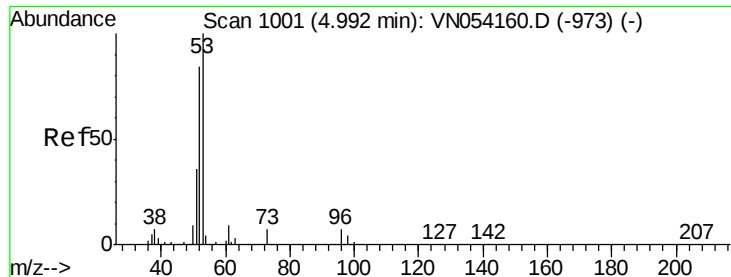
Ion Ratio Lower Upper

41 100

39 71.9 58.2 87.4

76 40.3 31.7 47.5





#15

Acrylonitrile

Concen: 290.497 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

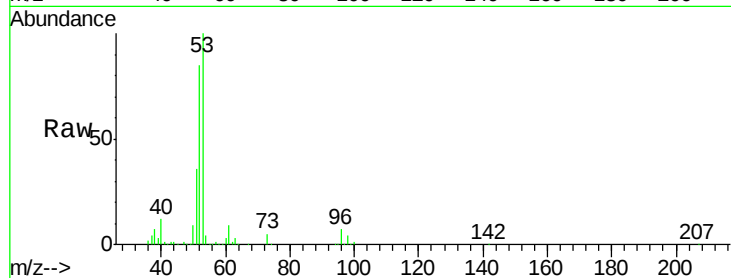
Tot Ion: 53 Resp: 1172240

Ion Ratio Lower Upper

53 100

52 83.2 66.4 99.6

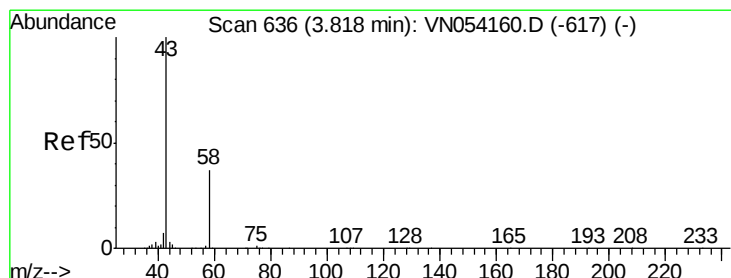
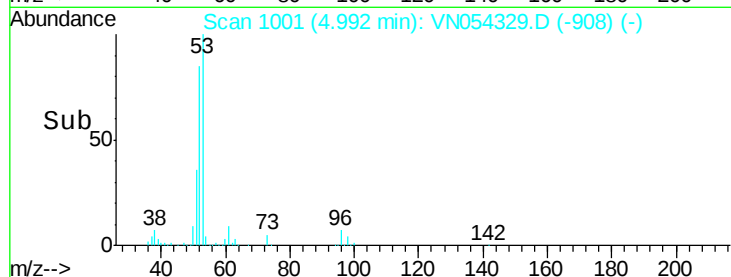
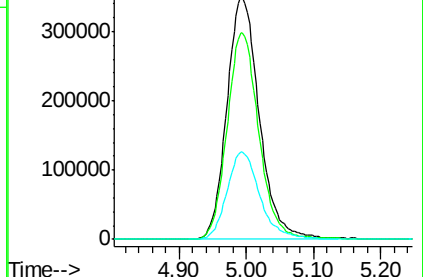
51 36.8 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054329.D (-543) (-)

Ion 52.00 (51.70 to 52.70): VN054329.D (-543) (-)

Ion 51.00 (50.70 to 51.70): VN054329.D (-543) (-)



#16

Acetone

Concen: 204.124 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054329.D

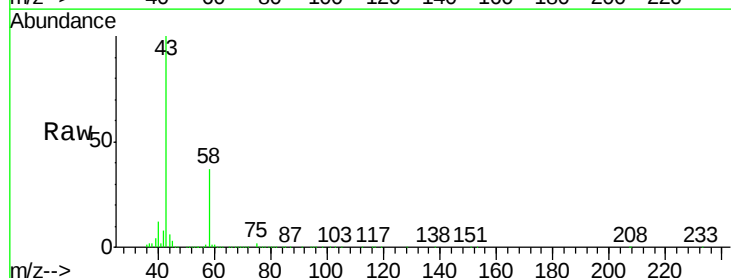
Acq: 16 Mar 2019 00:13

Tgt Ion: 43 Resp: 837509

Ion Ratio Lower Upper

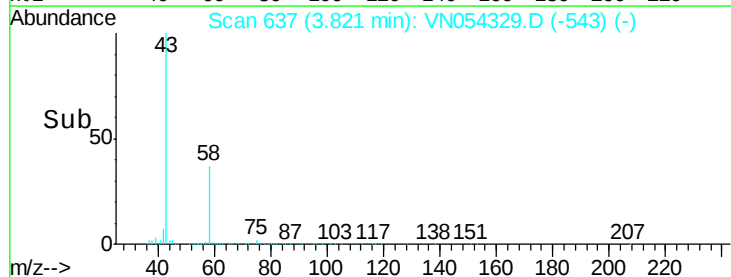
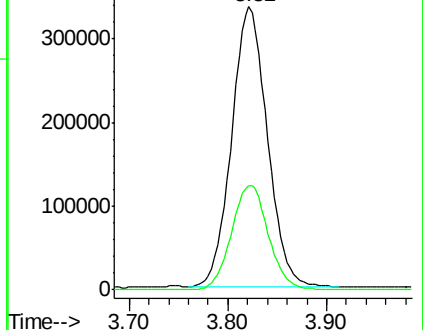
43 100

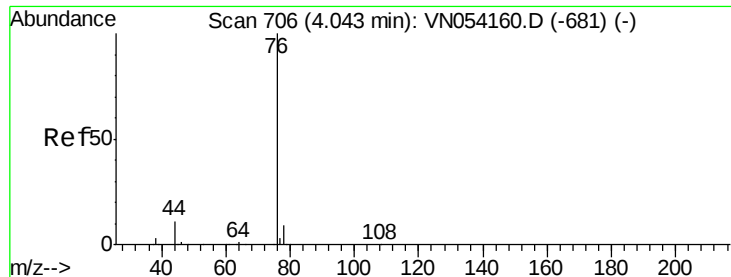
58 37.0 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054329.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN054329.D (-543) (-)





#17

Carbon Disulfide

Concen: 43.895 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

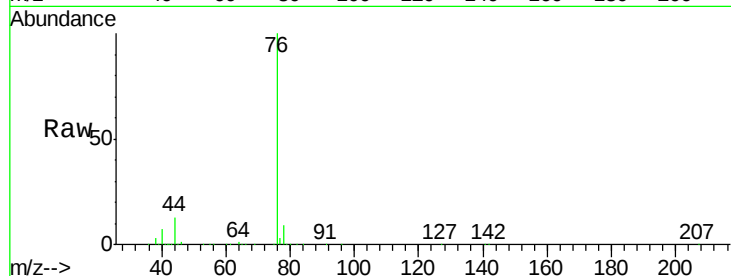
VSTDCCC050EC

Tot Ion: 76 Resp: 1542496

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN054329.D (-613) (-)

Ion 77.90 (77.60 to 78.60): VN054329.D (-613) (-)

4.04

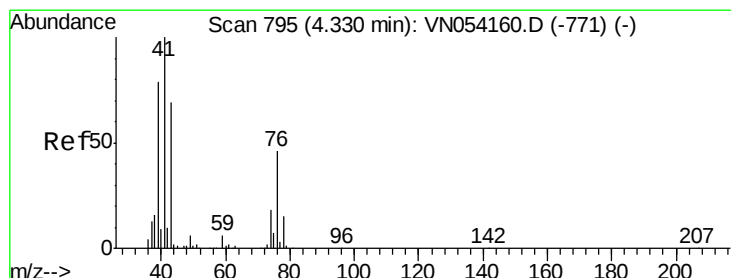
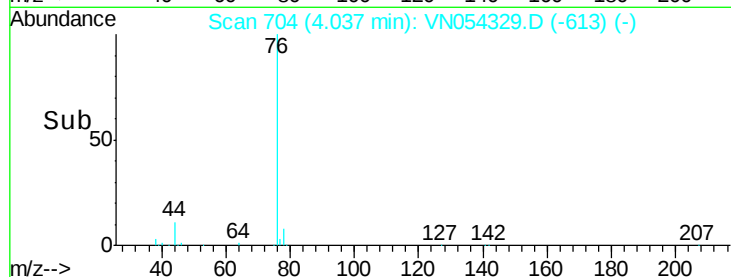
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 64.980 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054329.D

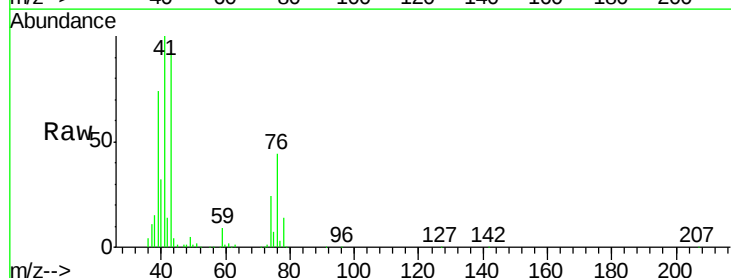
Acq: 16 Mar 2019 00:13

Tgt Ion: 43 Resp: 539400

Ion Ratio Lower Upper

43 100

74 26.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN054329.D (-702) (-)

Ion 74.00 (73.70 to 74.70): VN054329.D (-702) (-)

4.33

200000

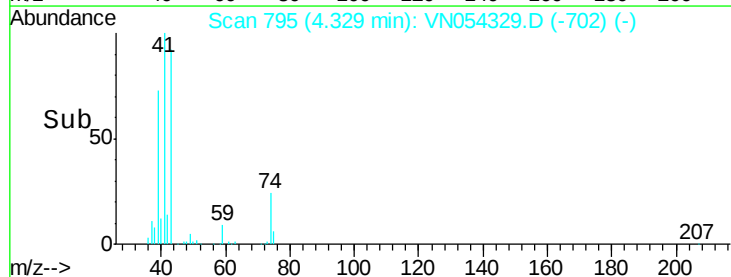
150000

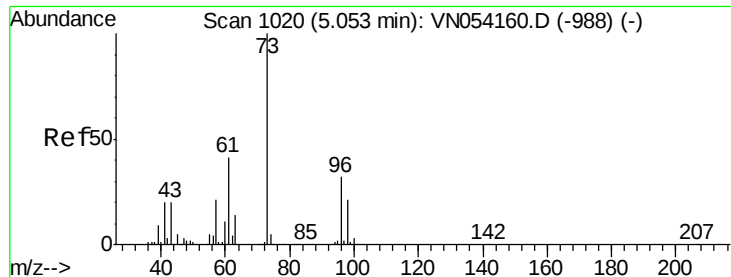
100000

50000

0

Time-->

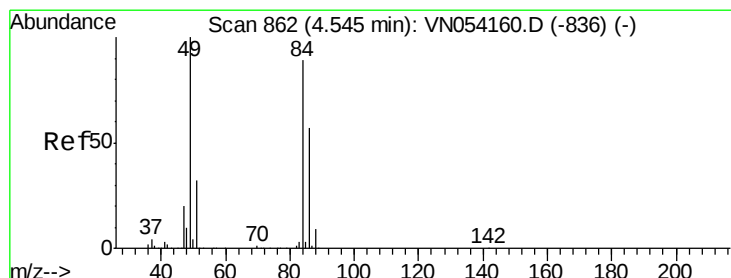
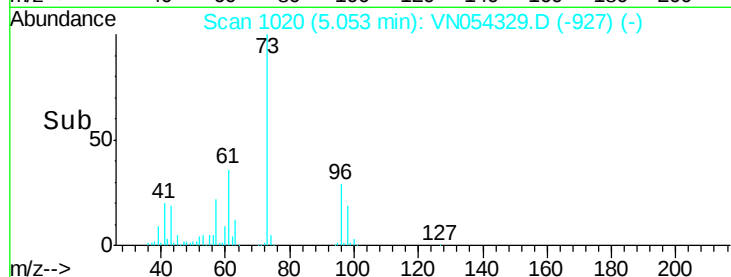
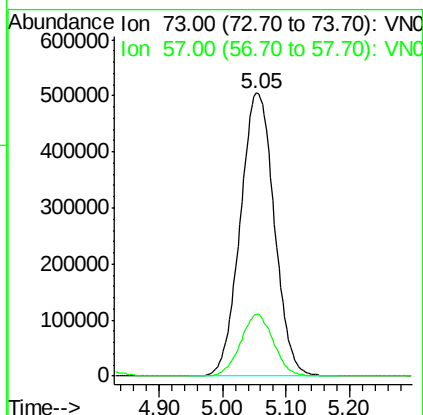
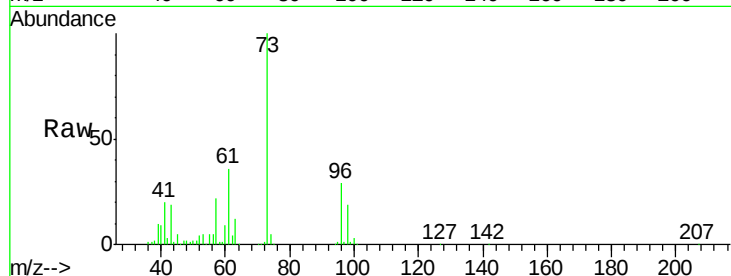




#19
Methvl tert-butvl Ether
Concen: 54.037 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

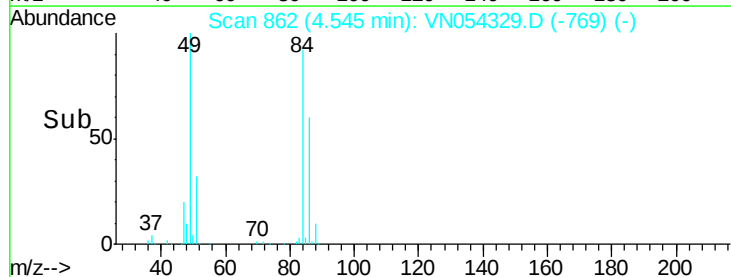
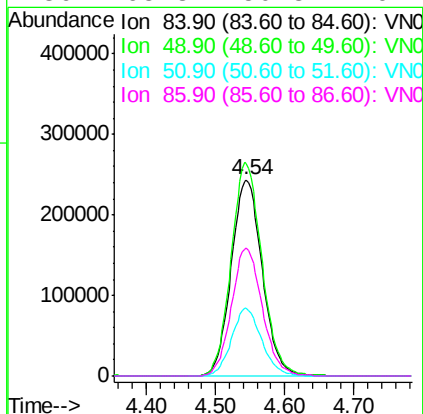
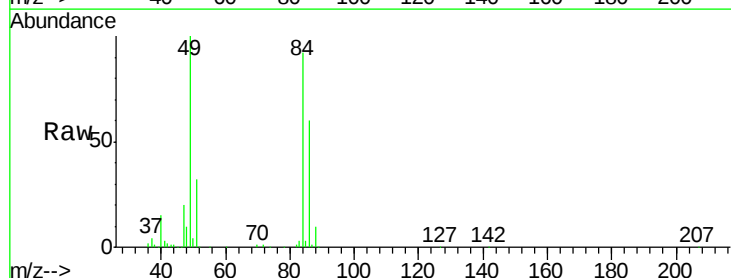
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1877580
Ion Ratio Lower Upper
73 100
57 21.7 16.8 25.2



#20
Methylene Chloride
Concen: 56.496 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 84 Resp: 761123
Ion Ratio Lower Upper
84 100
49 108.4 89.7 134.5
51 34.6 28.2 42.4
86 65.3 50.8 76.2

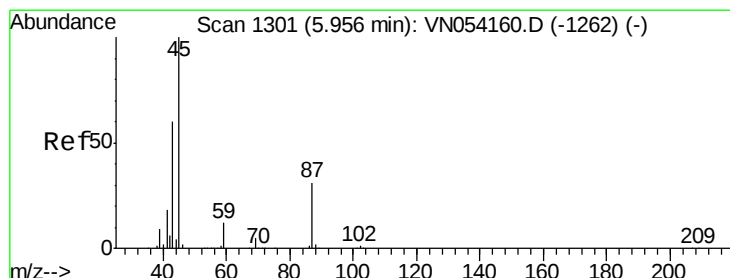
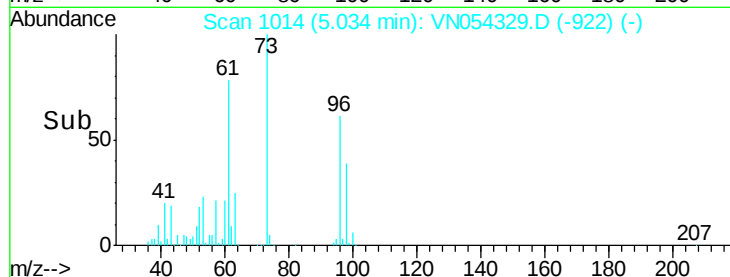
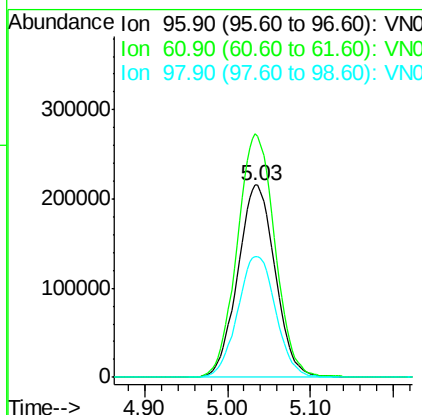
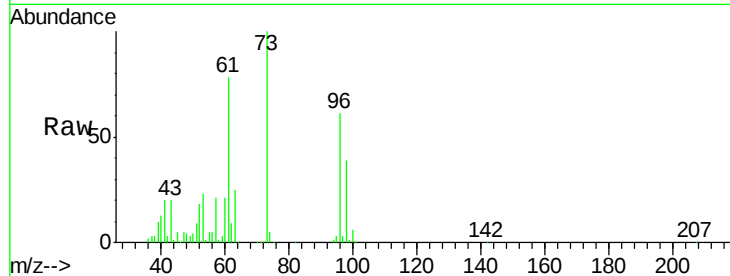




#21
trans-1,2-Dichloroethene
Concen: 50.443 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

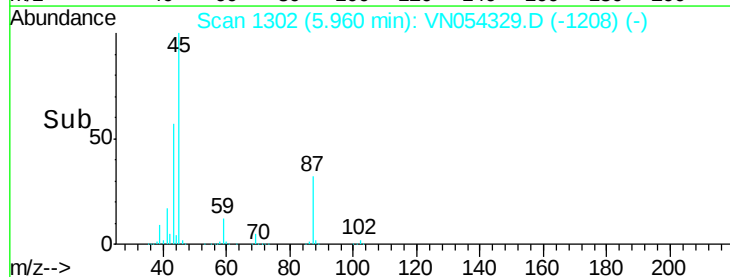
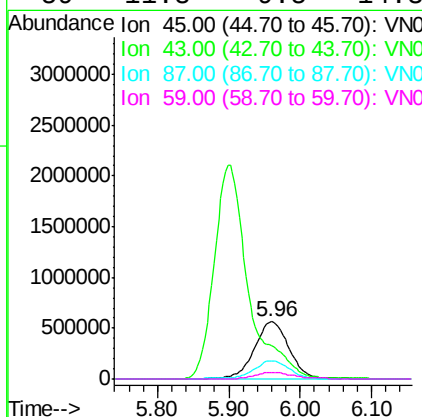
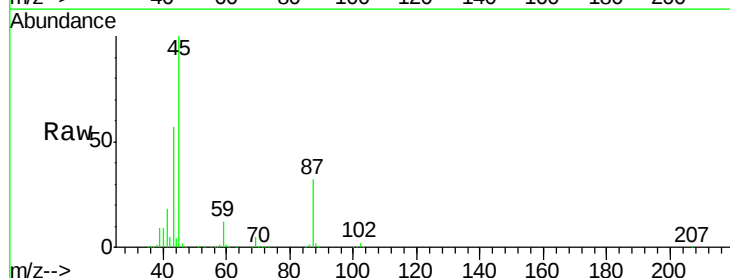
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

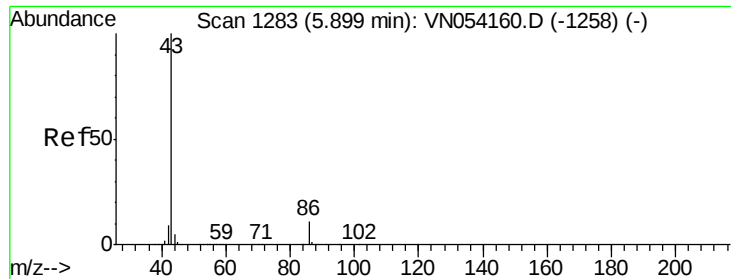
Tot Ion: 96 Resp: 677499
Ion Ratio Lower Upper
96 100
61 126.7 102.8 154.2
98 62.8 50.0 75.0



#22
Diisopropyl ether
Concen: 53.177 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 45 Resp: 1908823
Ion Ratio Lower Upper
45 100
43 55.7 48.2 72.2
87 31.6 24.9 37.3
59 11.8 9.5 14.3

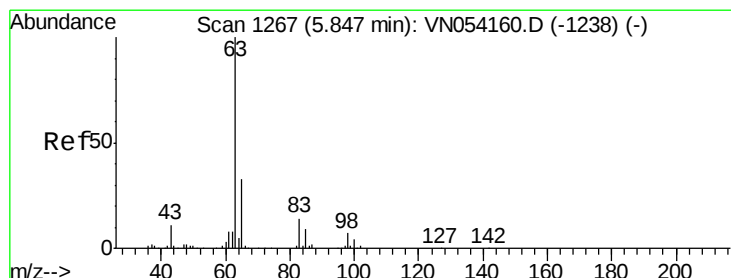
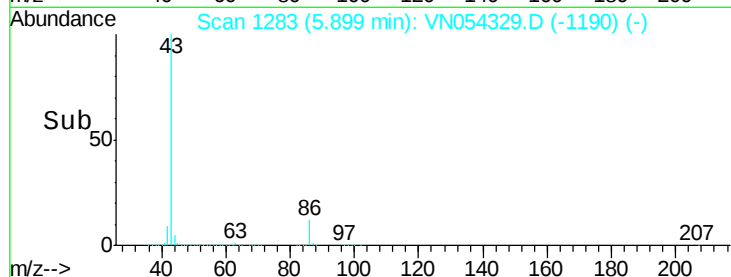
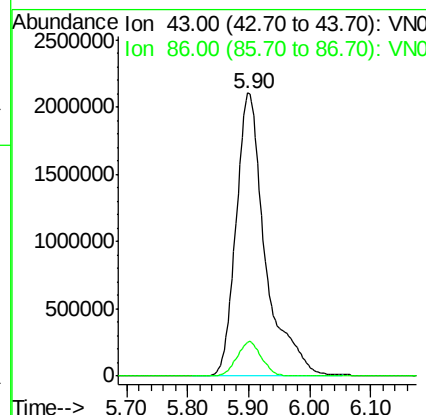
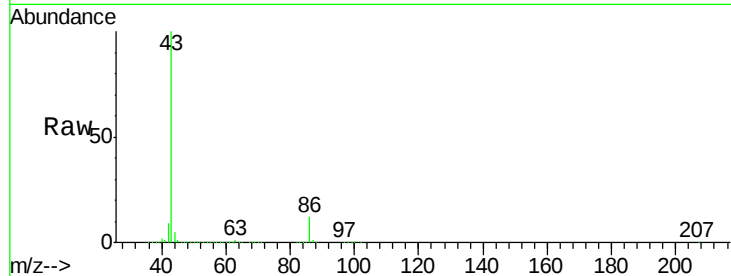




#23
 Vinyl Acetate
 Concen: 265.667 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

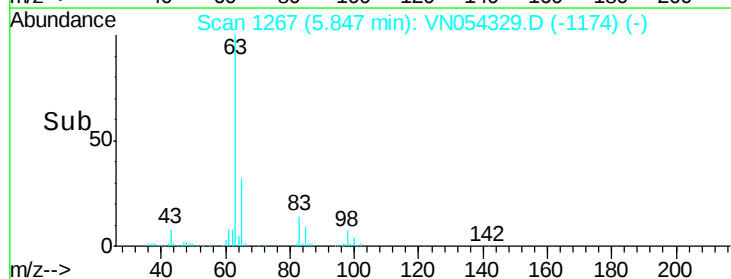
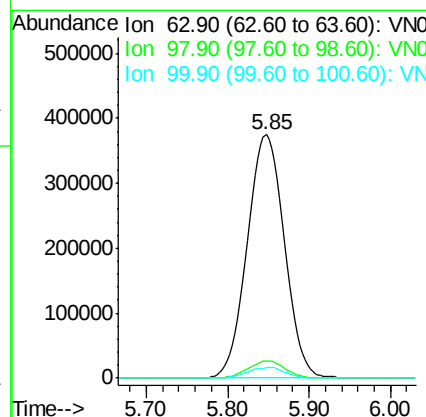
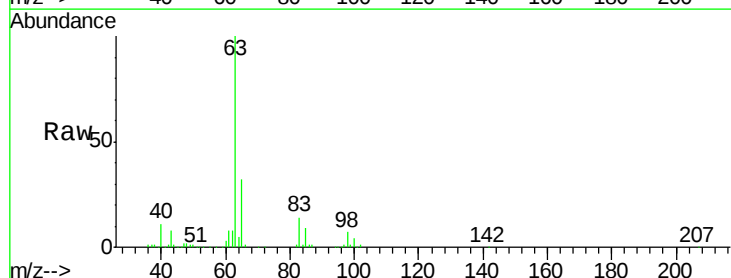
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

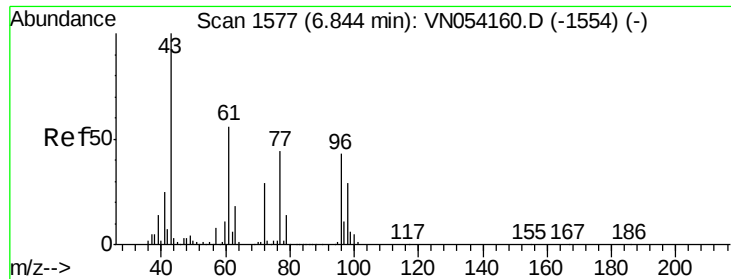
Tot Ion: 43 Resp: 7031202
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 51.273 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 63 Resp: 1181733
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.2 2.0 6.0

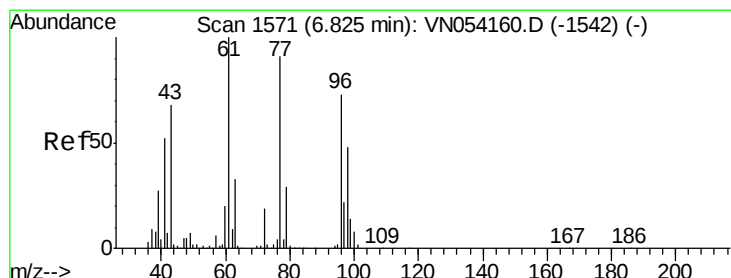
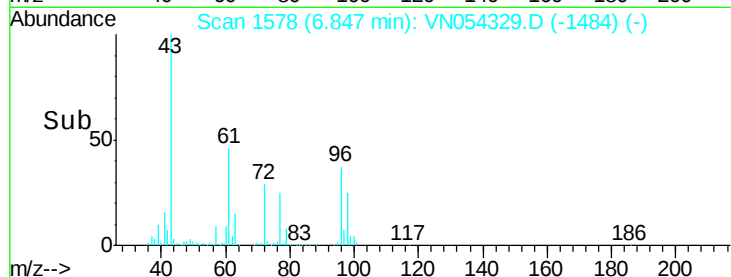
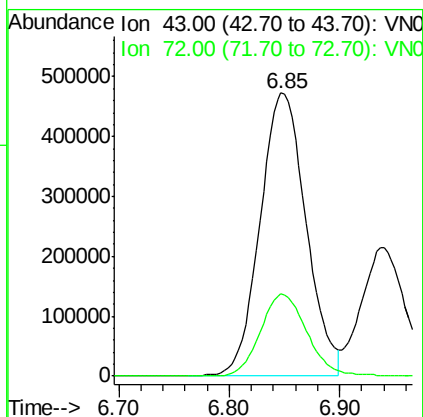
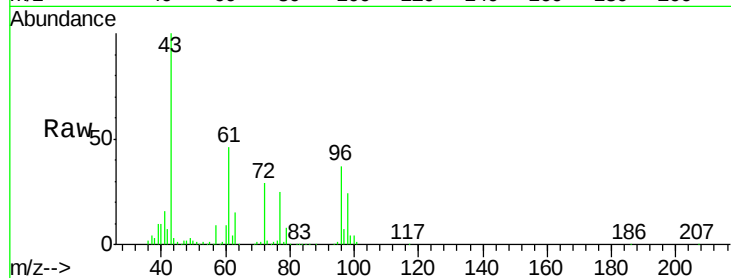




#25
2-Butanone
Concen: 282.438 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

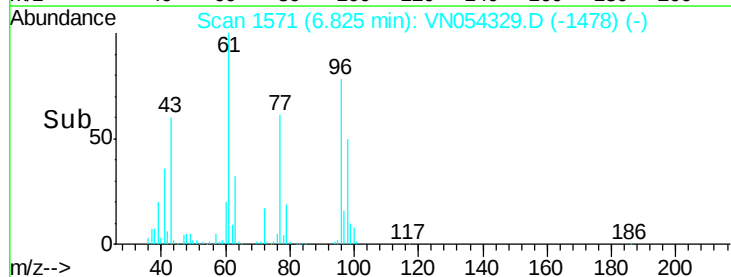
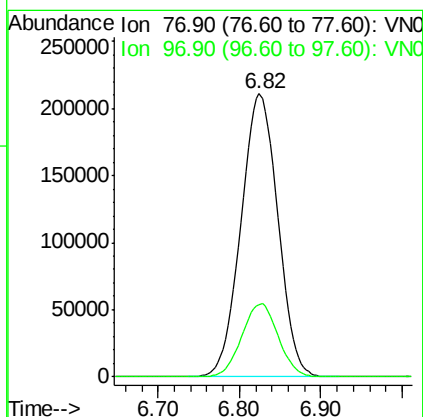
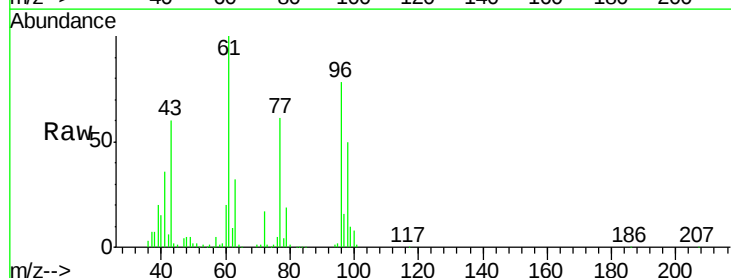
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

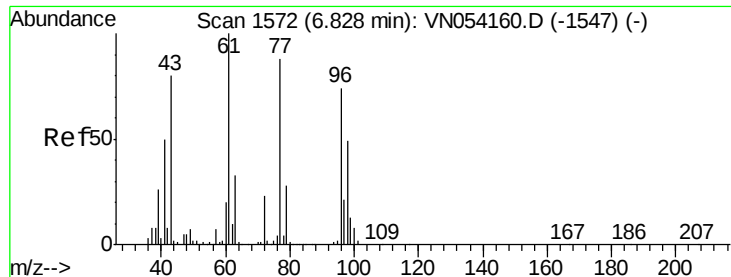
Tot Ion: 43 Resp: 1360110
Ion Ratio Lower Upper
43 100
72 29.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 32.497 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 77 Resp: 658661
Ion Ratio Lower Upper
77 100
97 25.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 53.145 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

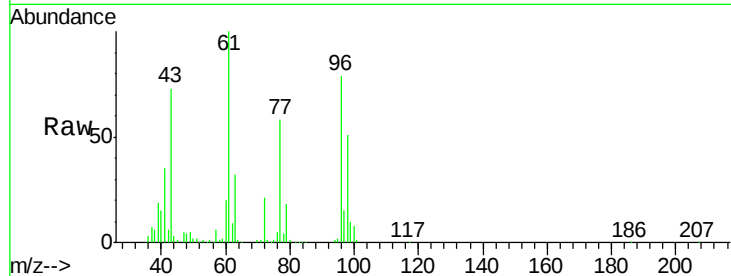
Tot Ion: 96 Resp: 796322

Ion Ratio Lower Upper

96 100

61 127.9 0.0 273.0

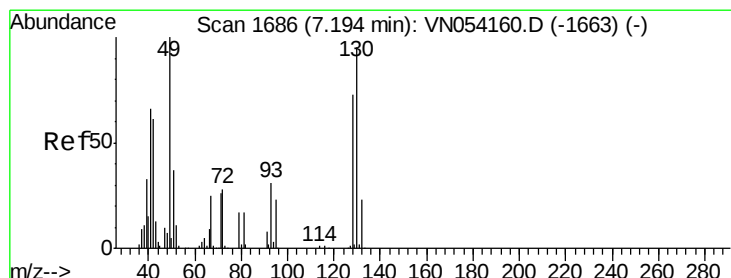
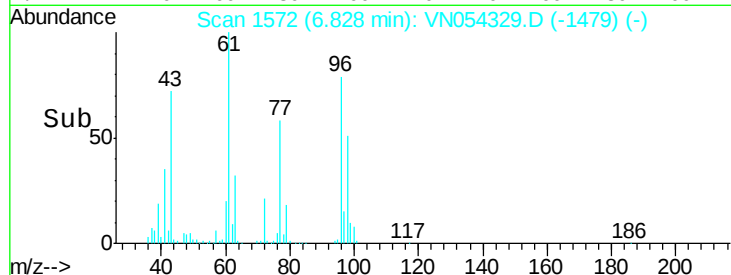
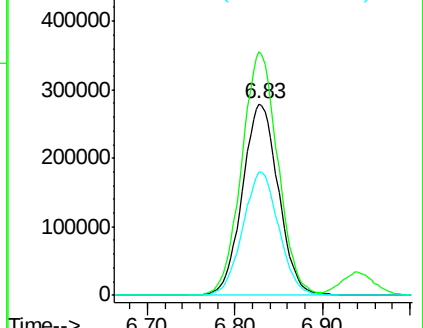
98 64.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054329.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN054329.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN054329.D (-1547) (-)



#28

Bromochloromethane

Concen: 51.066 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

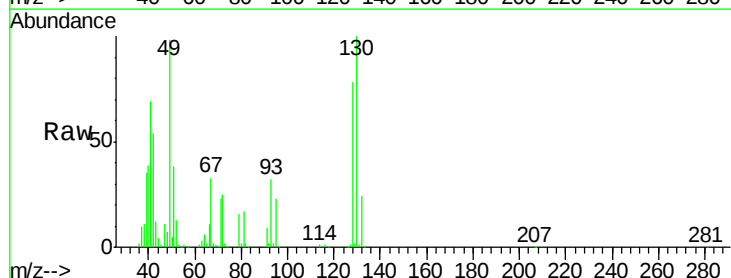
Tgt Ion: 49 Resp: 481159

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.6

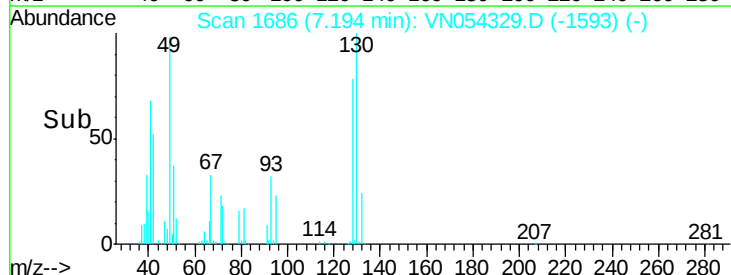
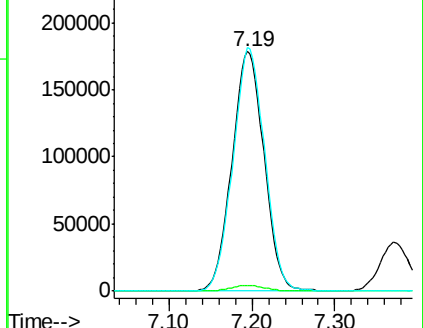
130 100.6 76.7 115.1

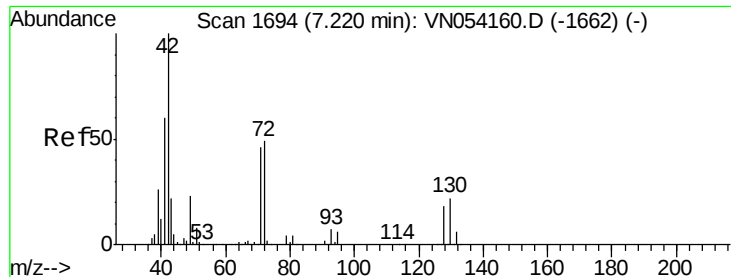


Abundance Ion 48.90 (48.60 to 49.60): VN054329.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054329.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054329.D (-1593) (-)

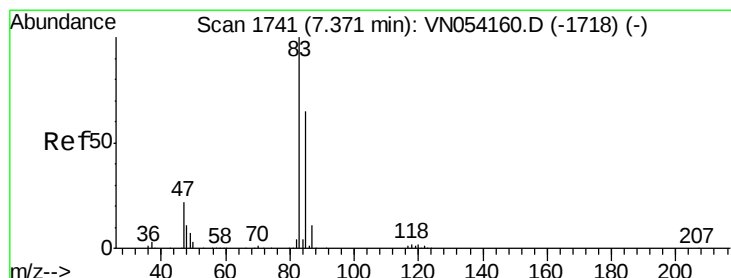
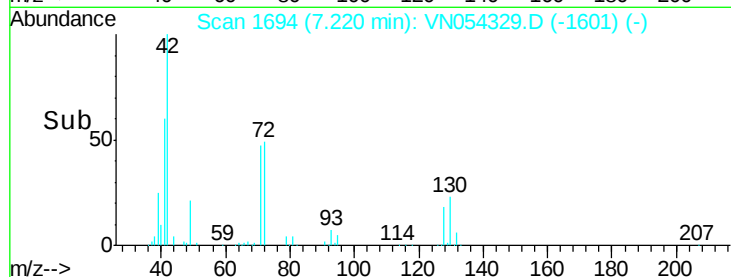
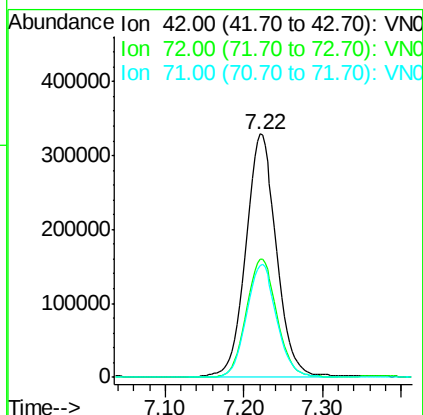
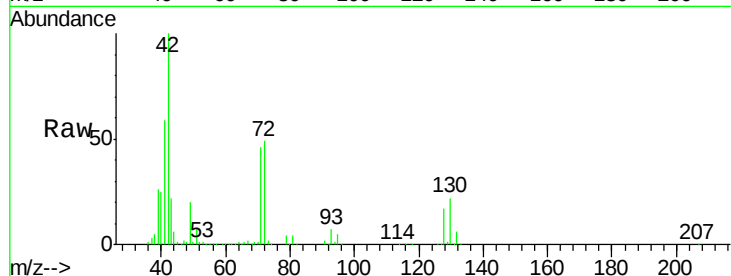




#29
Tetrahydrofuran
Concen: 291.200 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

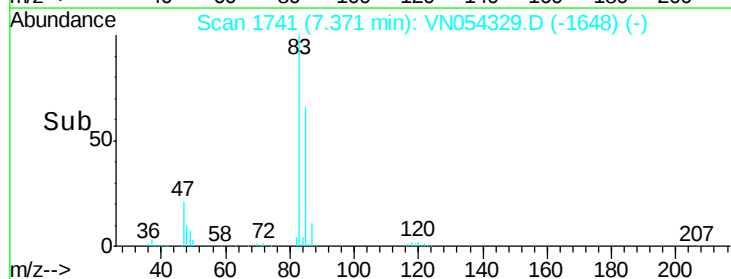
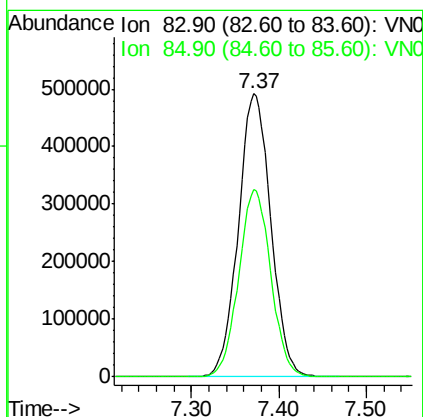
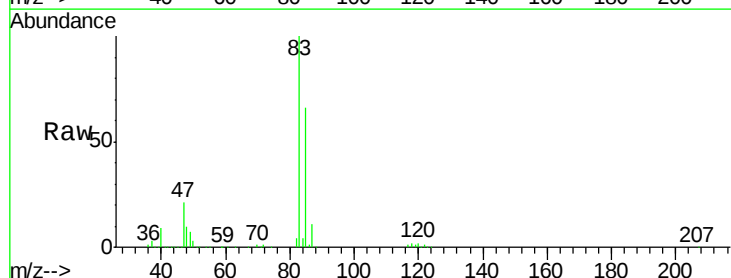
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

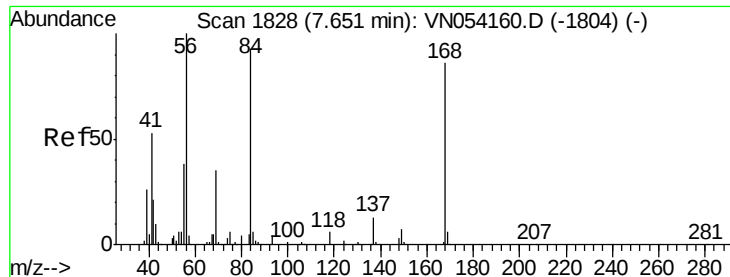
Tot Ion: 42 Resp: 901631
Ion Ratio Lower Upper
42 100
72 48.7 37.8 56.6
71 45.9 36.2 54.2



#30
Chloroform
Concen: 52.759 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 83 Resp: 1268878
Ion Ratio Lower Upper
83 100
85 66.0 52.2 78.4





#31

Cyclohexane

Concen: 47.519 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

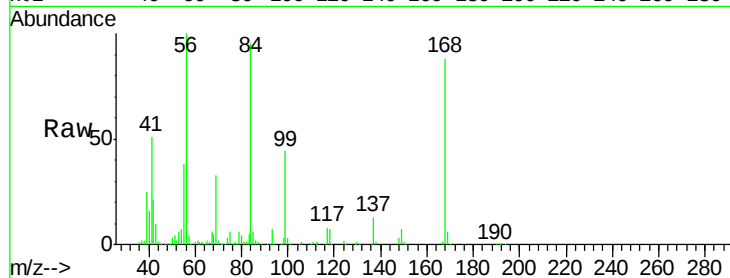
Tot Ion: 56 Resp: 1025260

Ion Ratio Lower Upper

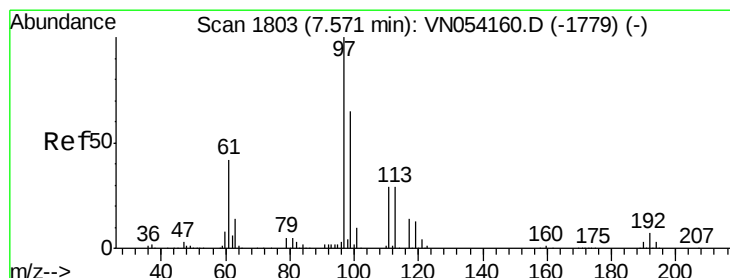
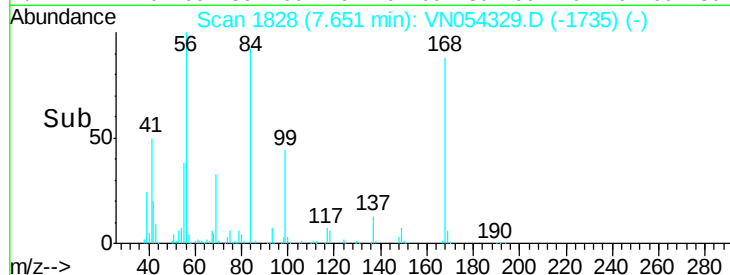
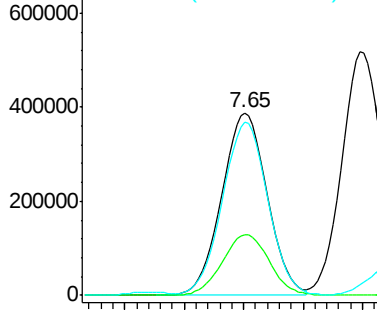
56 100

69 33.3 27.8 41.6

84 93.3 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 50.968 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

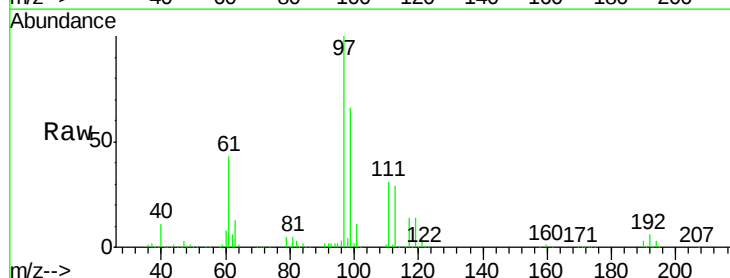
Tgt Ion: 97 Resp: 1107068

Ion Ratio Lower Upper

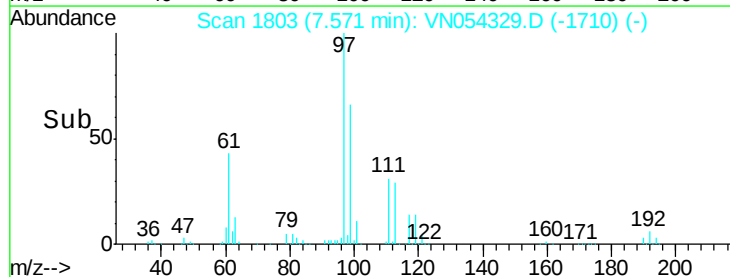
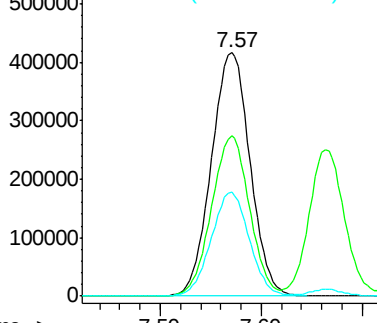
97 100

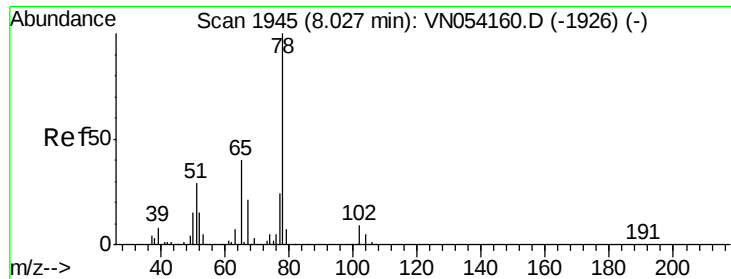
99 64.5 51.5 77.3

61 42.0 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

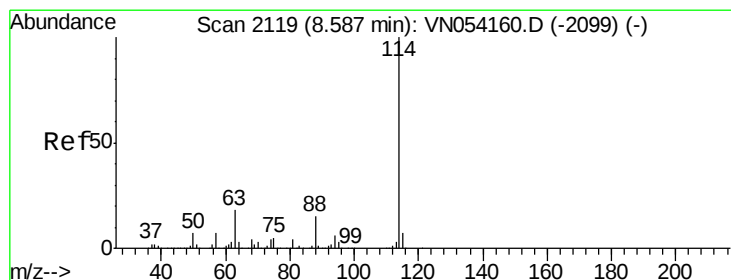
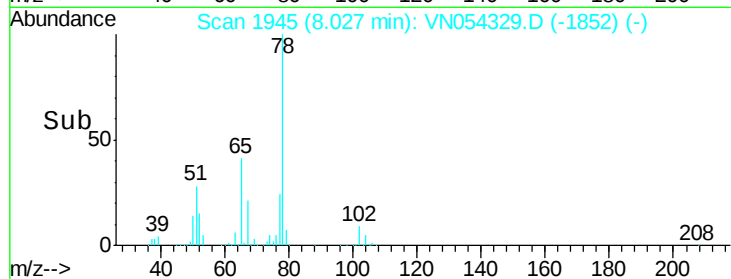
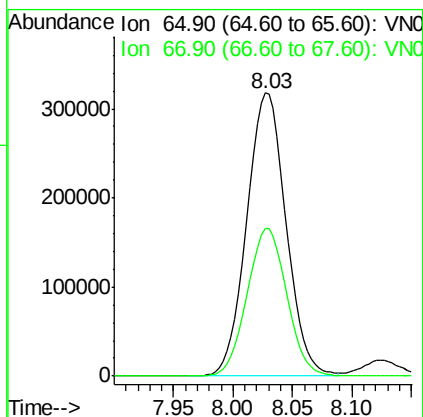
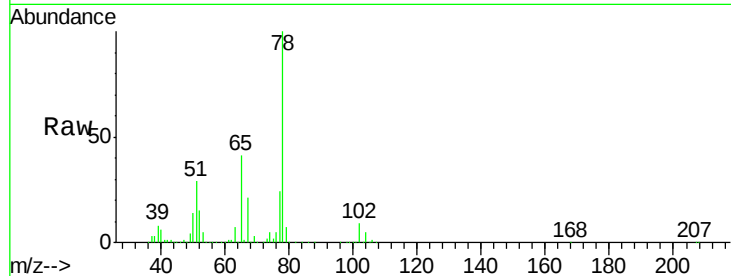




#33
 1,2-Dichloroethane-d4
 Concen: 50.866 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

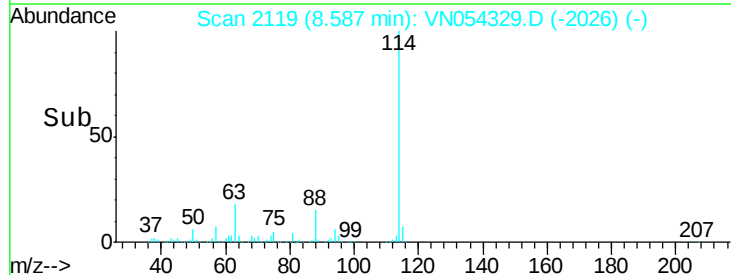
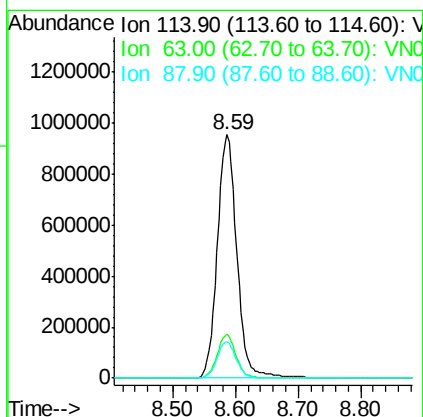
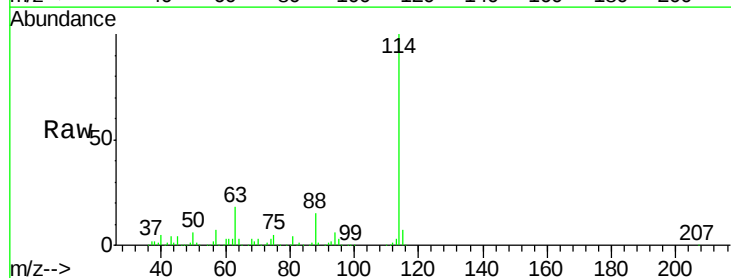
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

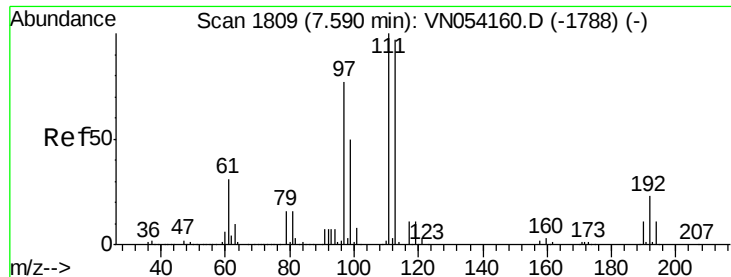
Tot Ion: 65 Resp: 728906
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion:114 Resp: 2069839
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.9 0.0 30.2

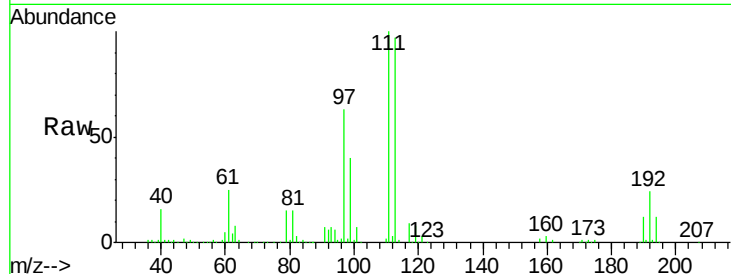




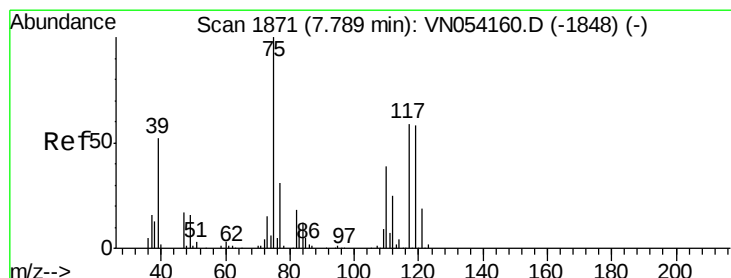
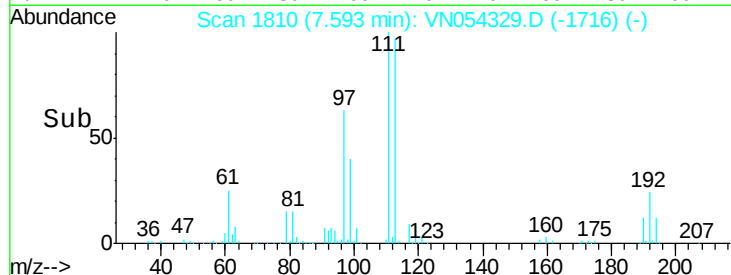
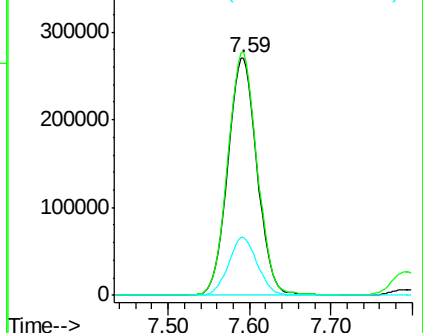
#35
 Dibromofluoromethane
 Concen: 50.948 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 680139
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 24.0 19.2 28.8

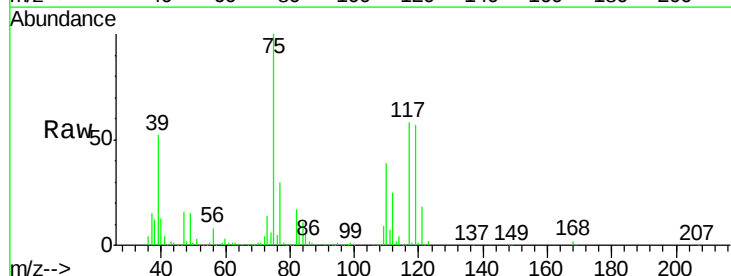


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

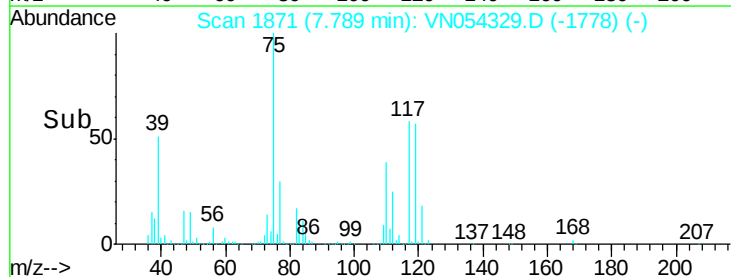
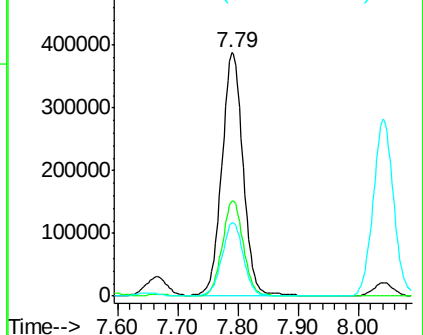


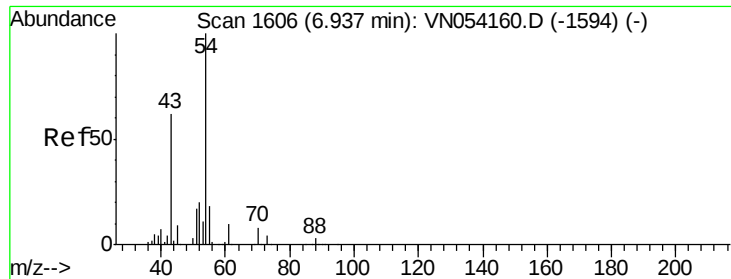
#36
 1,1-Dichloropropene
 Concen: 49.684 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 75 Resp: 947054
 Ion Ratio Lower Upper
 75 100
 110 38.8 19.1 57.5
 77 30.5 25.0 37.4



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

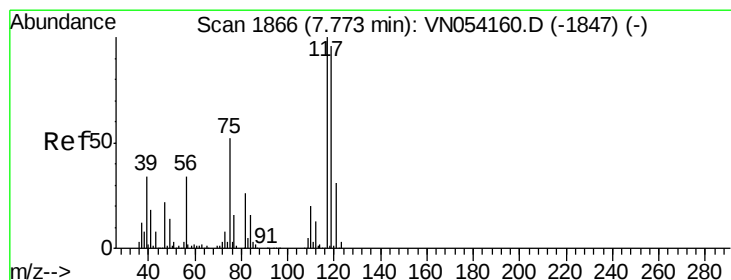
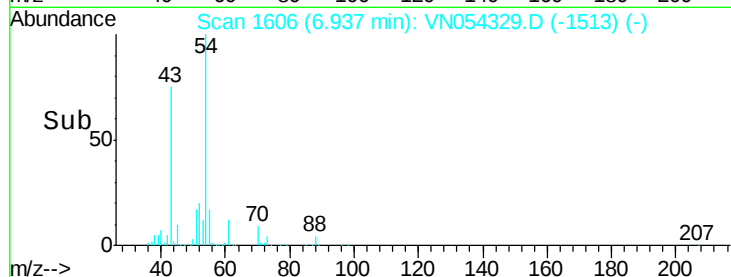
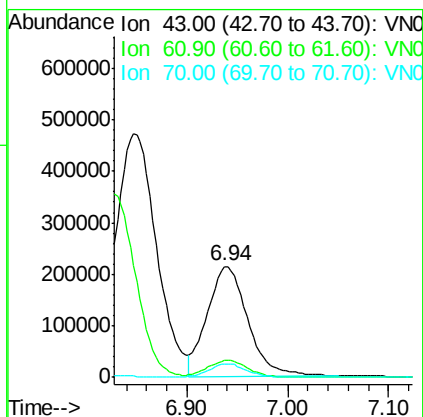
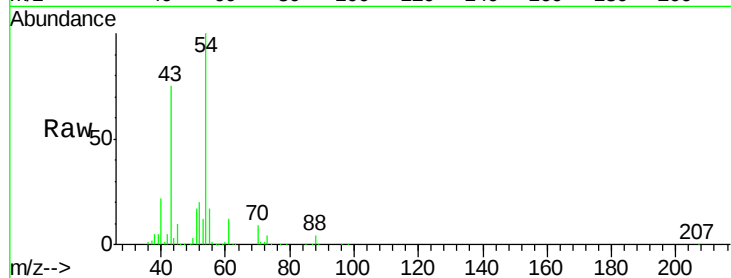




#37
Ethyl Acetate
Concen: 54.396 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

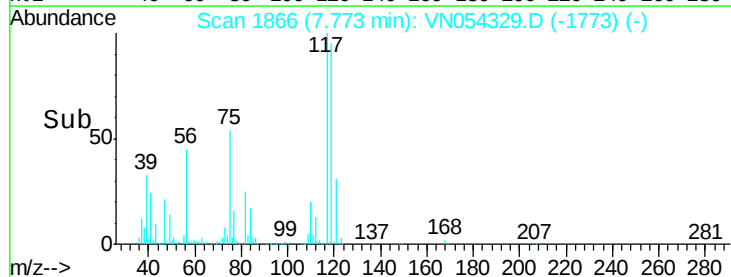
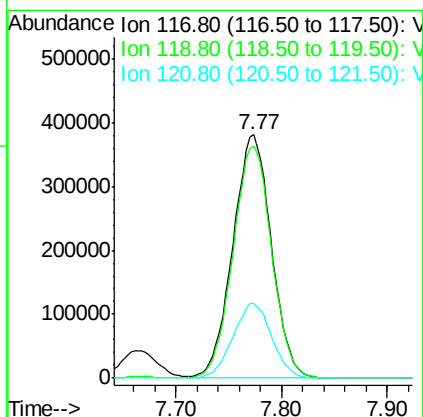
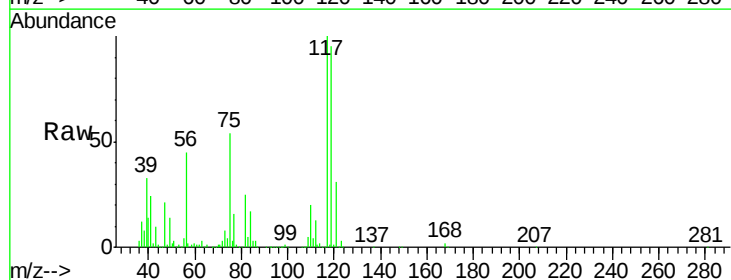
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

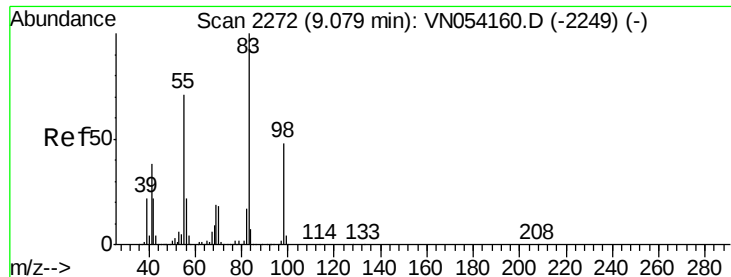
Tot Ion: 43 Resp: 595767
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 11.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 48.187 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 117 Resp: 963219
Ion Ratio Lower Upper
117 100
119 95.4 76.3 114.5
121 30.8 24.6 36.8

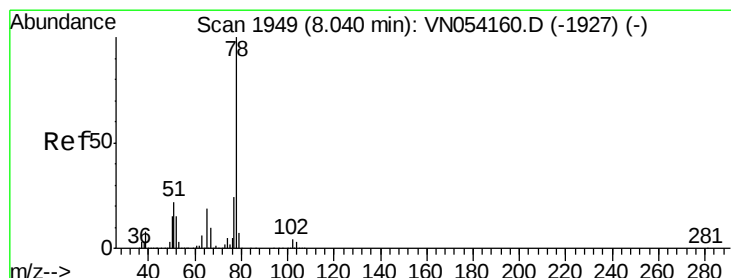
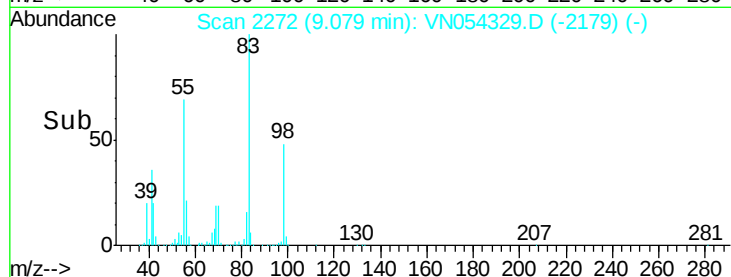
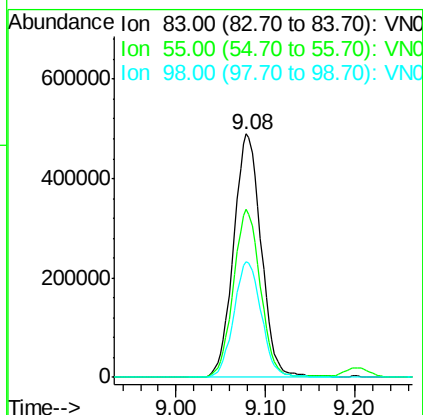
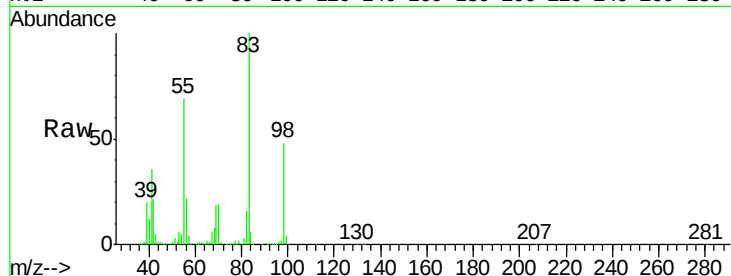




#39
Methvlcvclohexane
Concen: 44.809 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

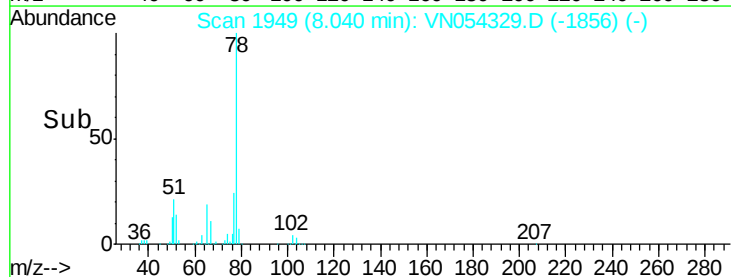
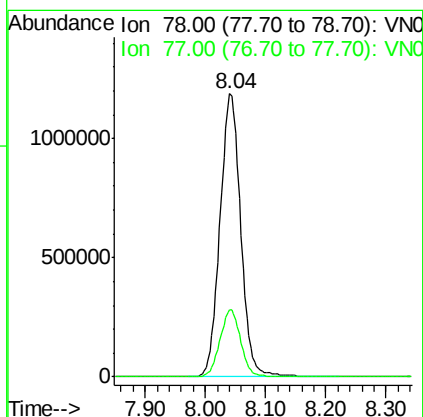
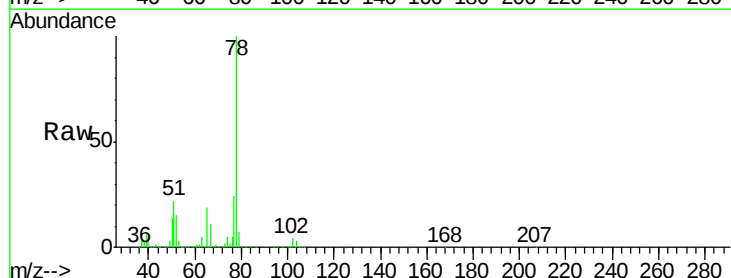
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 1050907
Ion Ratio Lower Upper
83 100
55 68.8 56.6 84.8
98 47.6 38.4 57.6



#40
Benzene
Concen: 51.763 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 78 Resp: 2823461
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7

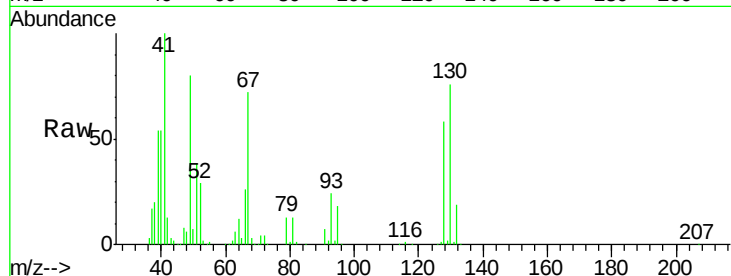




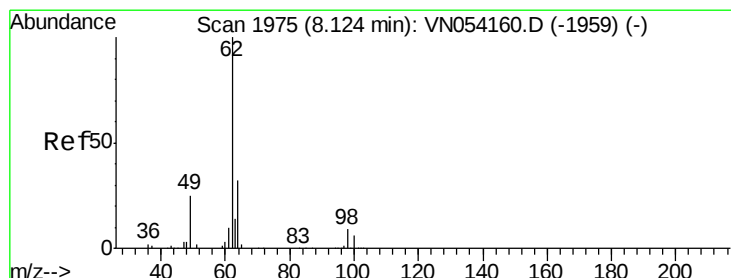
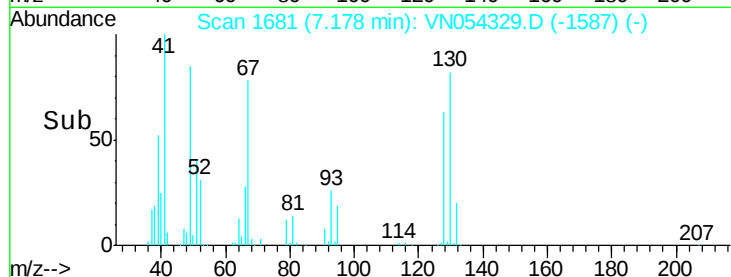
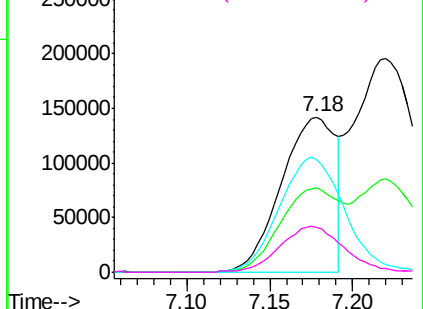
#41
Methacrylonitrile
Concen: 51.344 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 321082
Ion Ratio Lower Upper
41 100
39 62.6 46.8 70.2
67 89.7 67.0 100.4
52 34.6 26.5 39.7

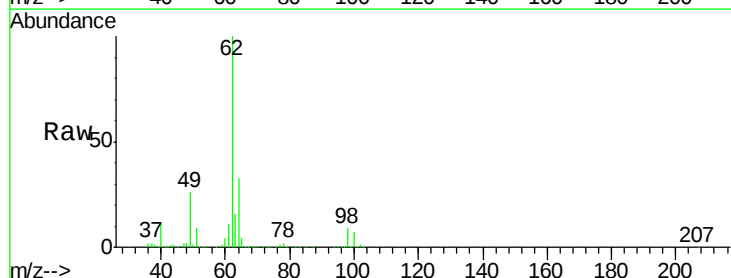


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

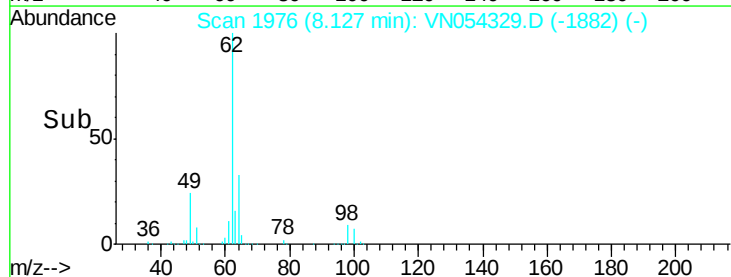
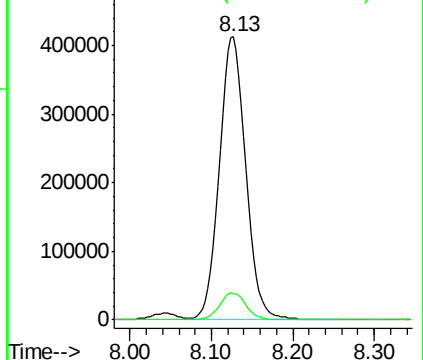


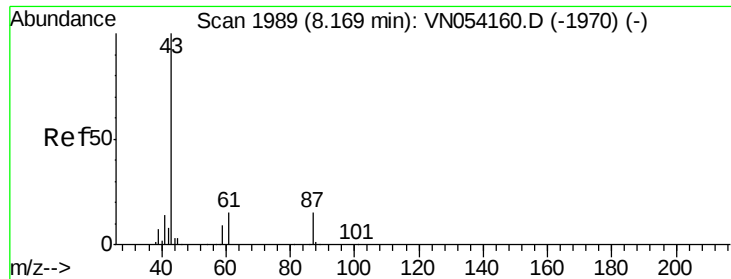
#42
1,2-Dichloroethane
Concen: 51.275 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 62 Resp: 944264
Ion Ratio Lower Upper
62 100
98 9.7 0.0 18.4



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

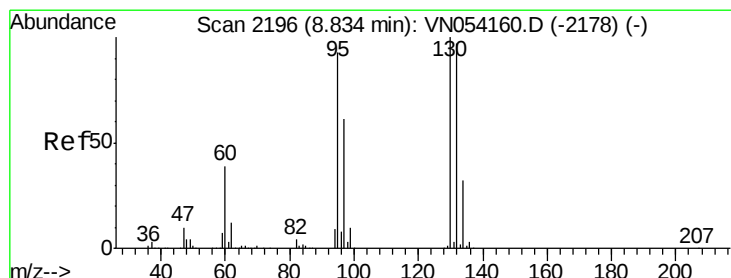
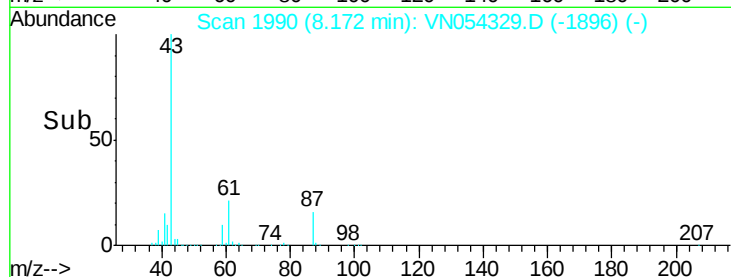
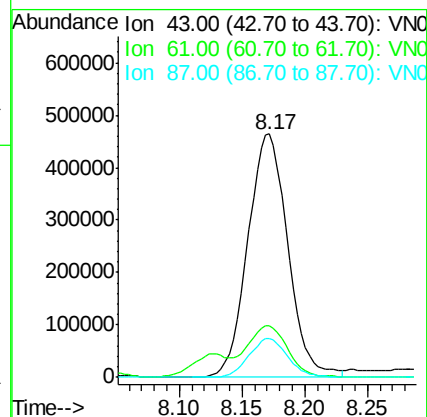
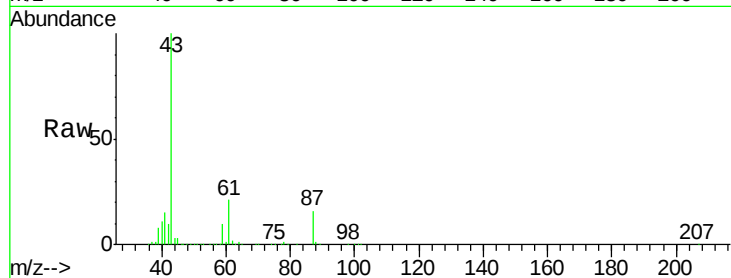




#43
Isopropyl Acetate
Concen: 53.379 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

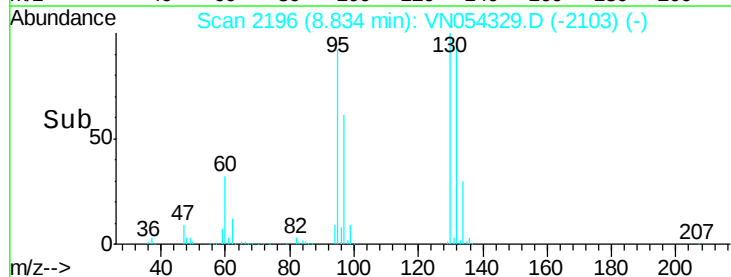
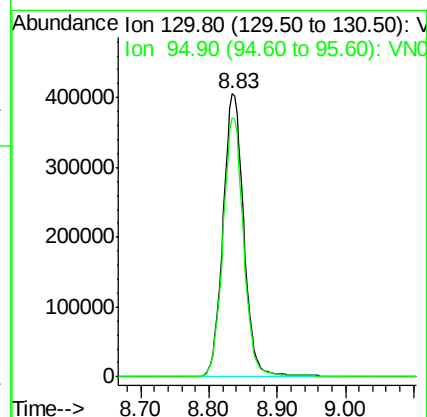
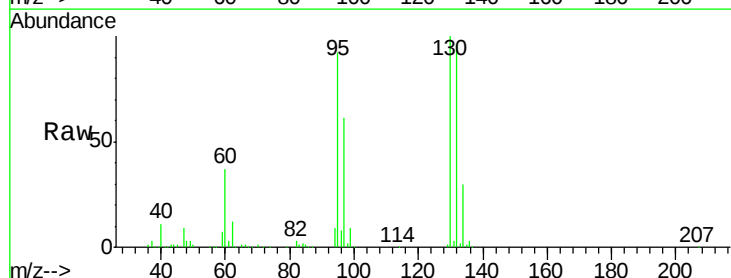
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

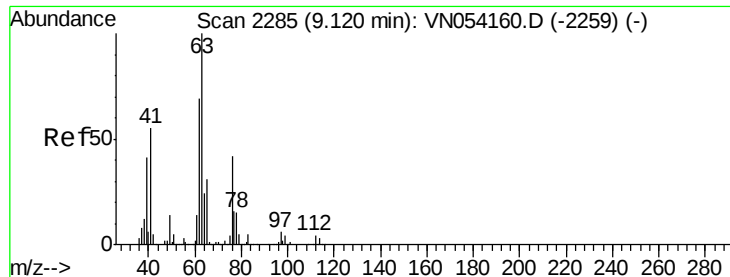
Tot Ion: 43 Resp: 1026199
Ion Ratio Lower Upper
43 100
61 21.3 15.8 23.8
87 15.5 12.0 18.0



#44
Trichloroethene
Concen: 50.620 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 130 Resp: 857745
Ion Ratio Lower Upper
130 100
95 91.6 0.0 185.2





#45

1,2-Dichloropropane

Concen: 52.440 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

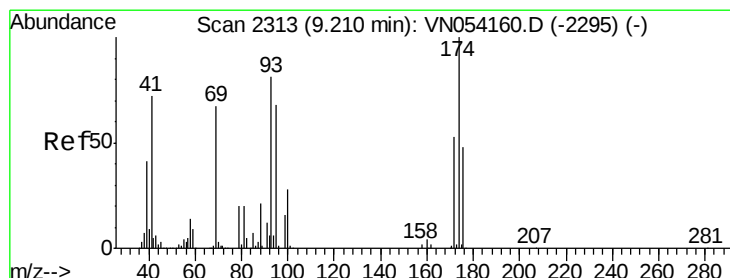
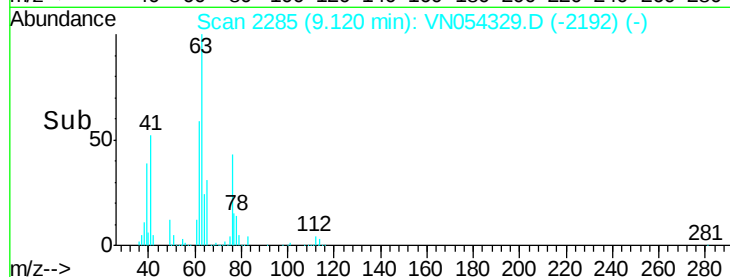
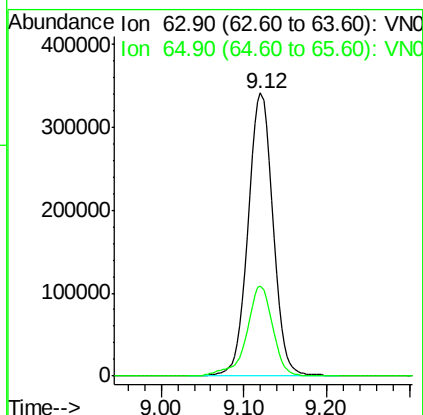
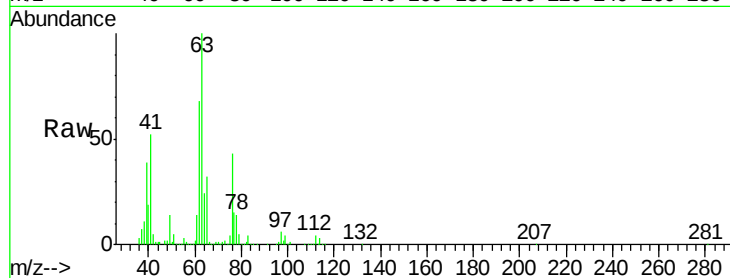
VSTDCCC050EC

Tot Ion: 63 Resp: 710268

Ion Ratio Lower Upper

63 100

65 31.7 25.0 37.6



#46

Dibromomethane

Concen: 53.006 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

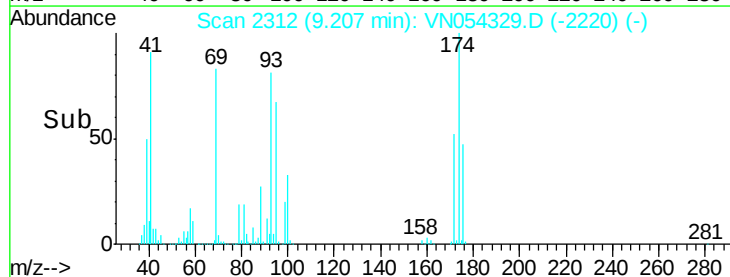
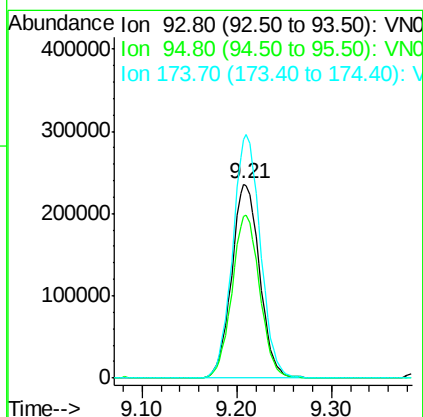
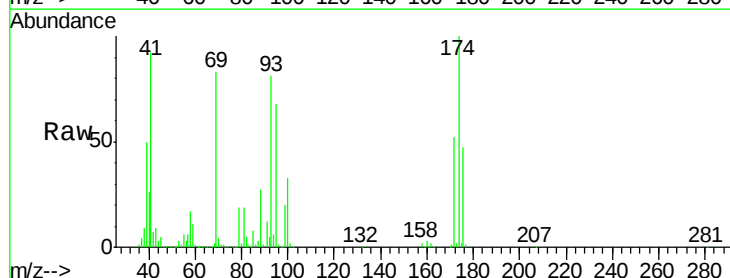
Tgt Ion: 93 Resp: 485074

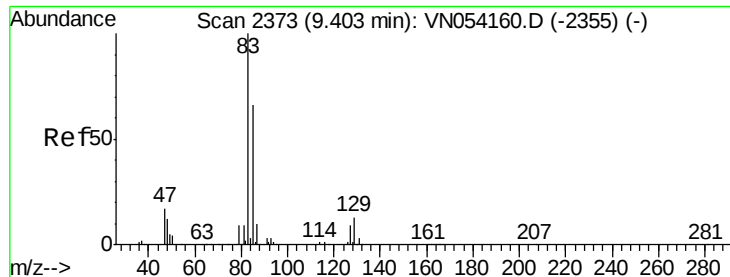
Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 124.4 98.5 147.7





#47

Bromodichloromethane

Concen: 52.243 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

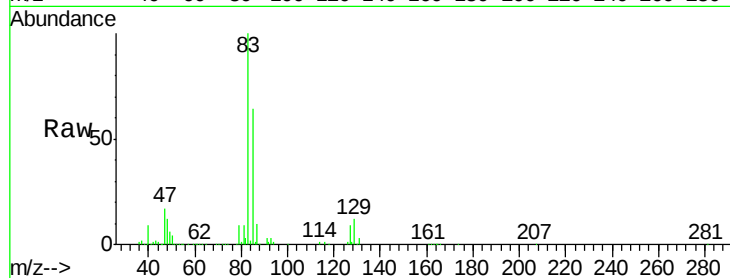
Tot Ion: 83 Resp: 958456

Ion Ratio Lower Upper

83 100

85 64.4 52.8 79.2

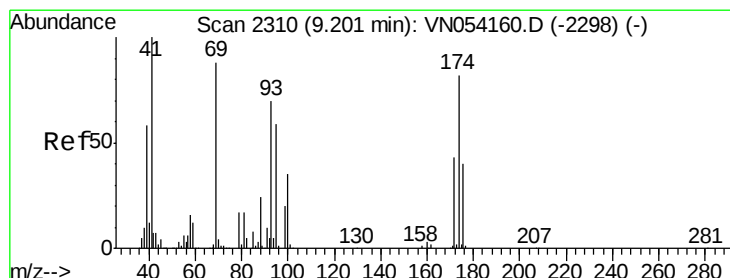
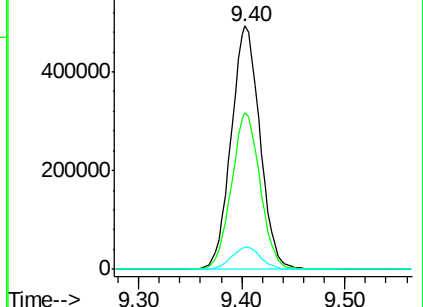
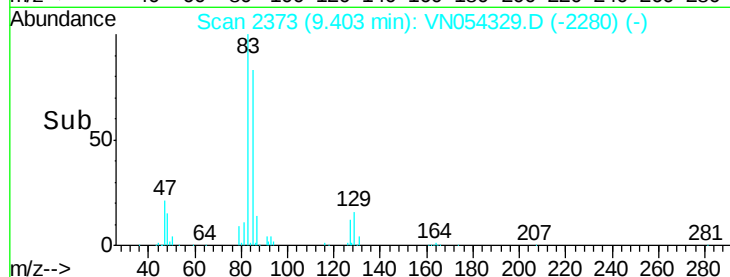
127 9.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054329.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054329.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054329.D (-2280) (-)



#48

Methyl methacrylate

Concen: 56.204 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

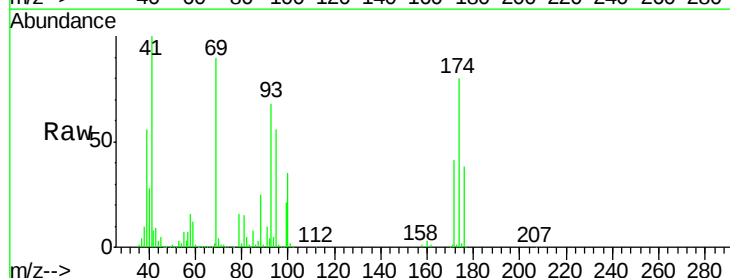
Tgt Ion: 41 Resp: 548341

Ion Ratio Lower Upper

41 100

69 93.2 72.6 108.8

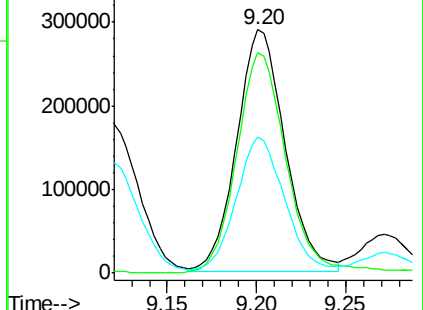
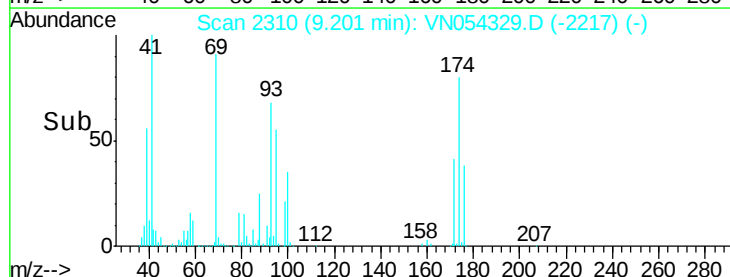
39 56.2 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054329.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054329.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054329.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1192.638 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

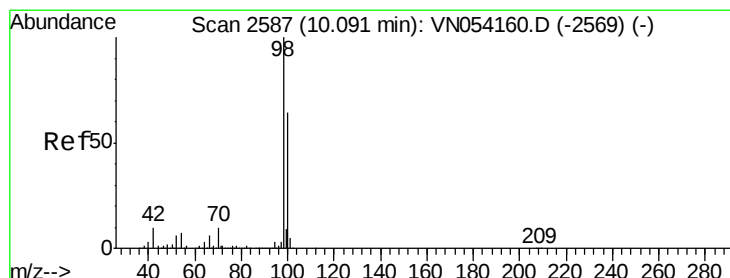
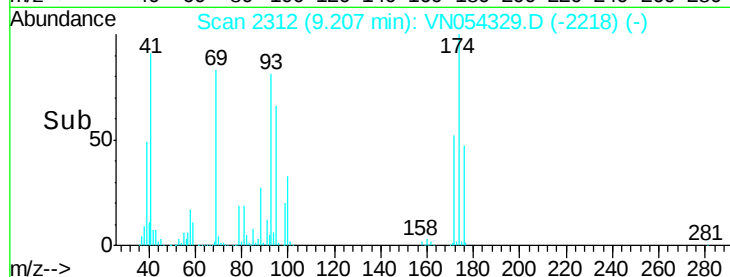
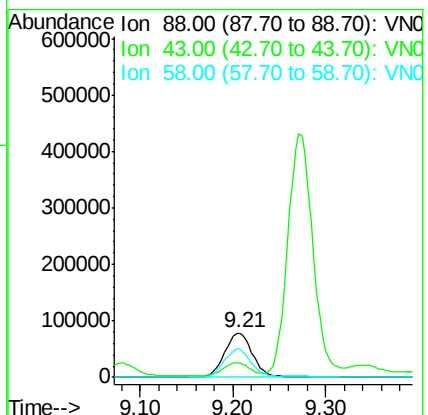
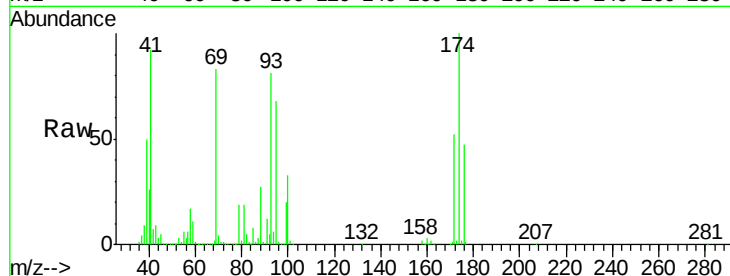
Tot Ion: 88 Resp: 164584

Ion Ratio Lower Upper

88 100

43 26.9 24.1 36.1

58 62.2 50.8 76.2



#50

Toluene-d8

Concen: 49.604 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054329.D

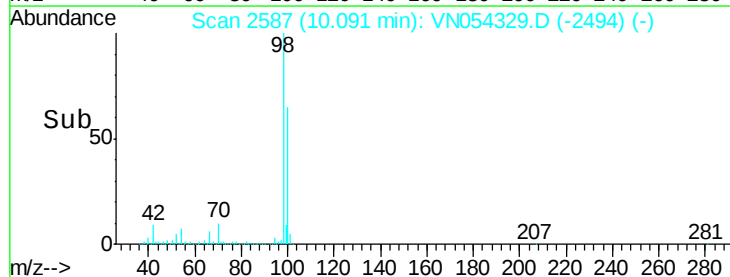
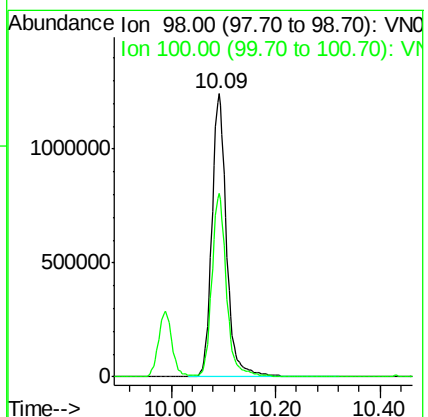
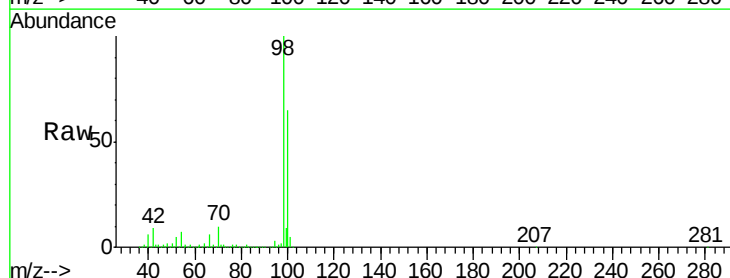
Acq: 16 Mar 2019 00:13

Tgt Ion: 98 Resp: 2445599

Ion Ratio Lower Upper

98 100

100 64.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 297.902 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

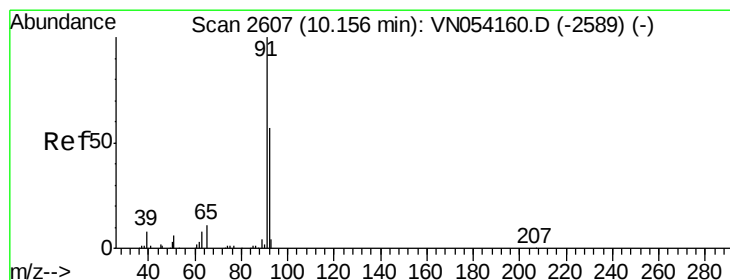
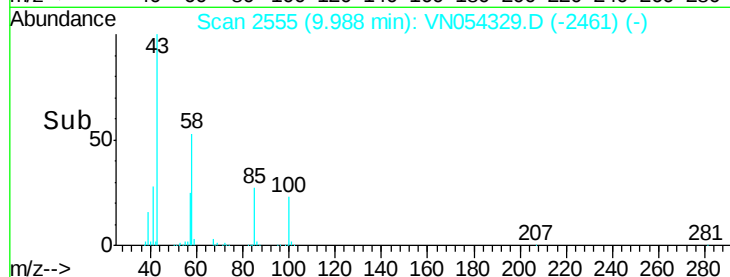
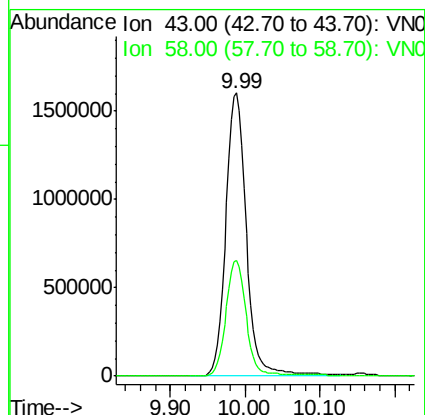
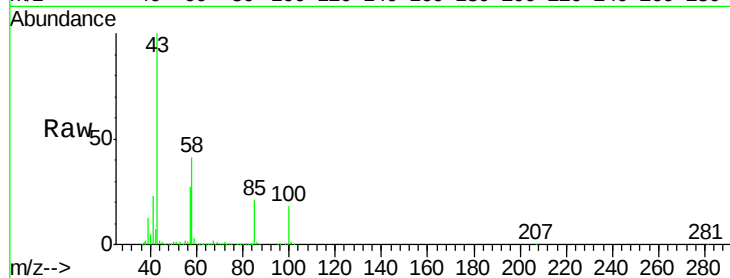
VSTDCCC050EC

Tot Ion: 43 Resp: 3030795

Ion Ratio Lower Upper

43 100

58 40.5 31.8 47.6



#52

Toluene

Concen: 52.102 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054329.D

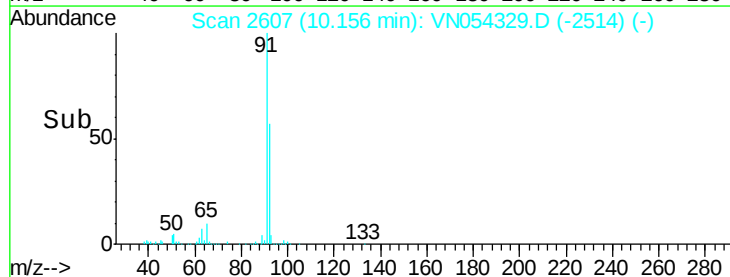
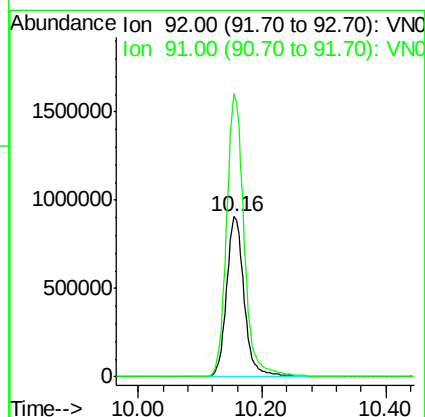
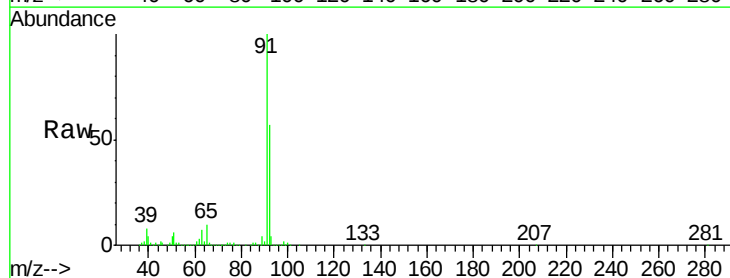
Acq: 16 Mar 2019 00:13

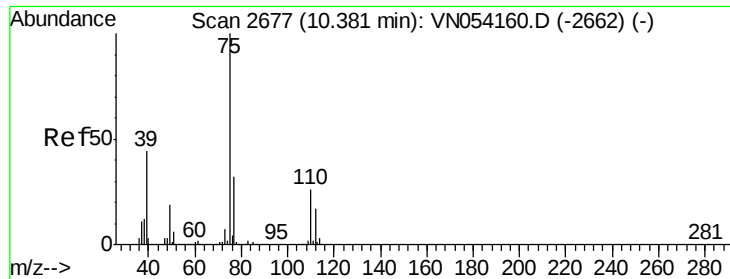
Tgt Ion: 92 Resp: 1801987

Ion Ratio Lower Upper

92 100

91 175.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 42.495 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

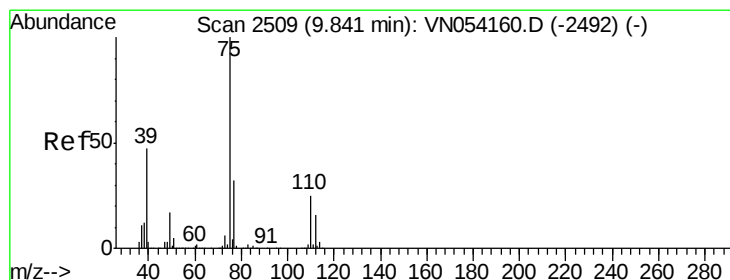
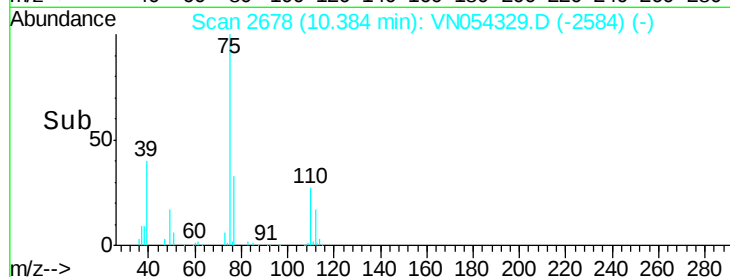
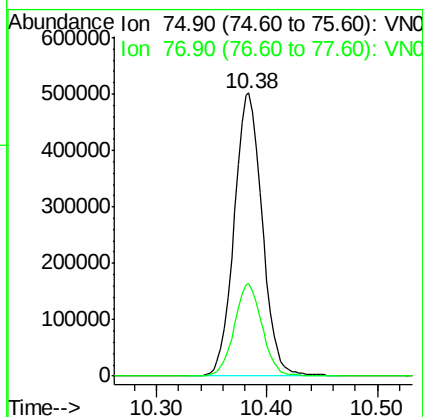
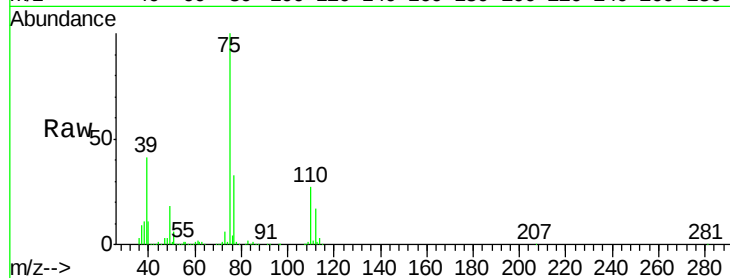
VSTDCCC050EC

Tot Ion: 75 Resp: 885168

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 48.266 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

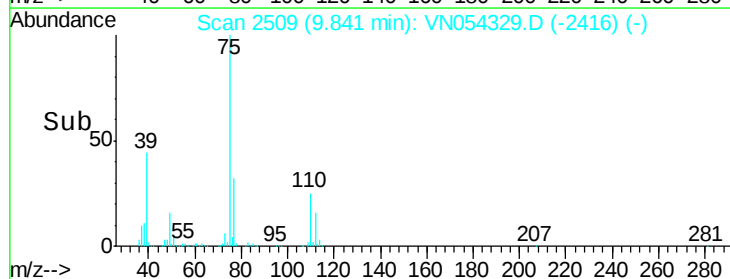
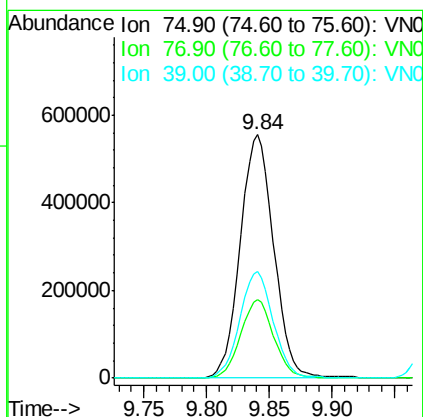
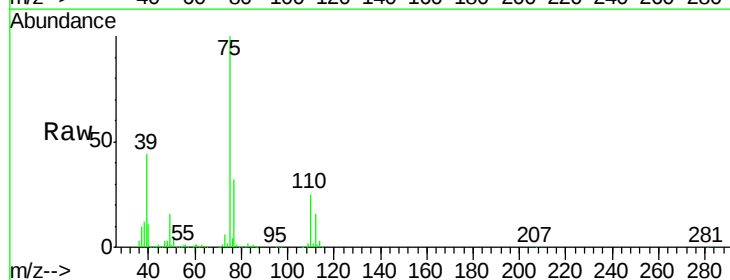
Tgt Ion: 75 Resp: 1031867

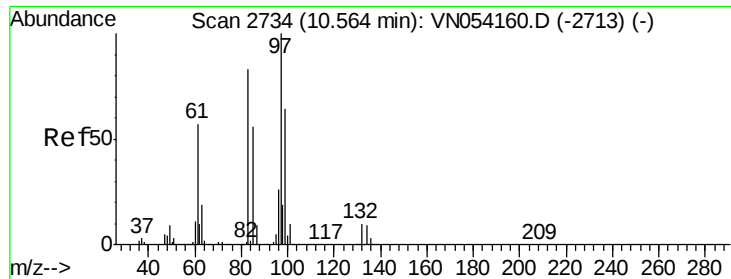
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 43.6 37.2 55.8

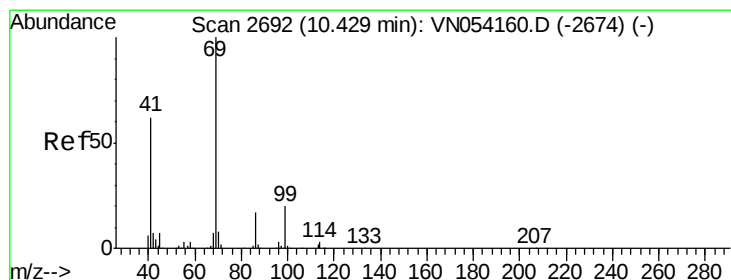
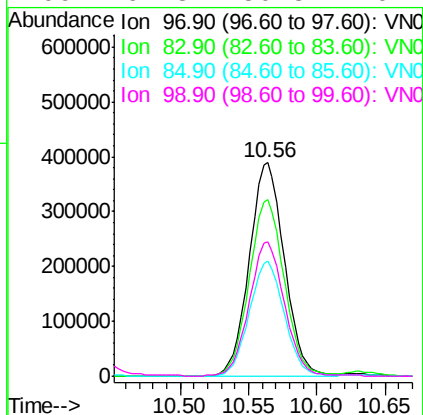
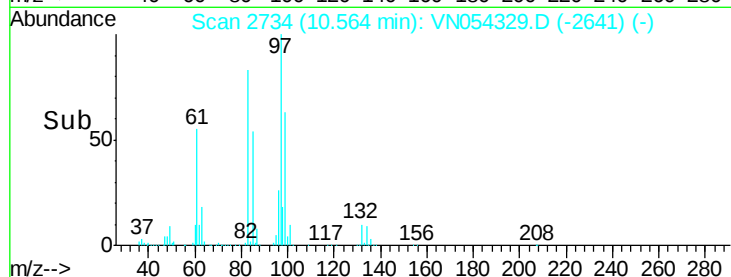
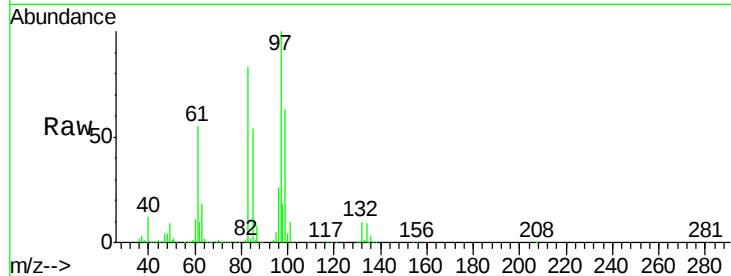




#55
 1,1,2-Trichloroethane
 Concen: 55.192 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

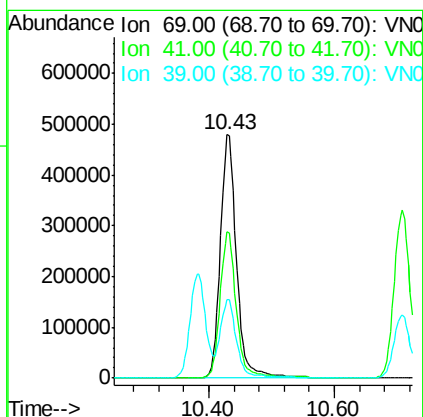
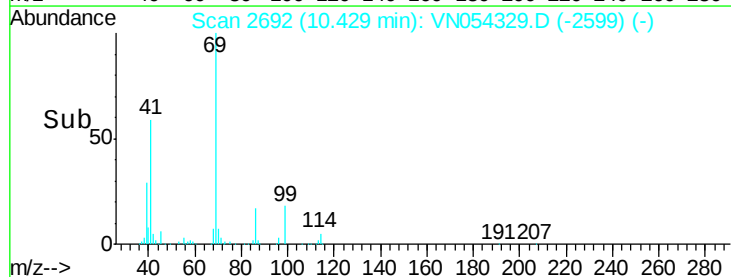
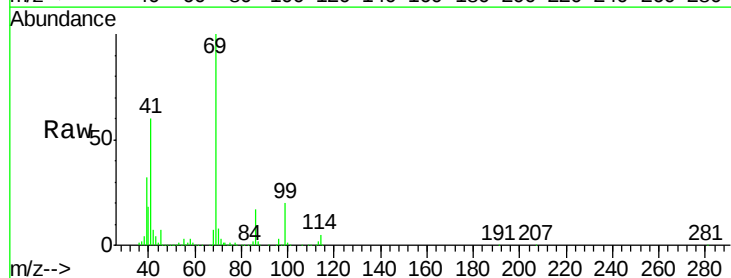
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

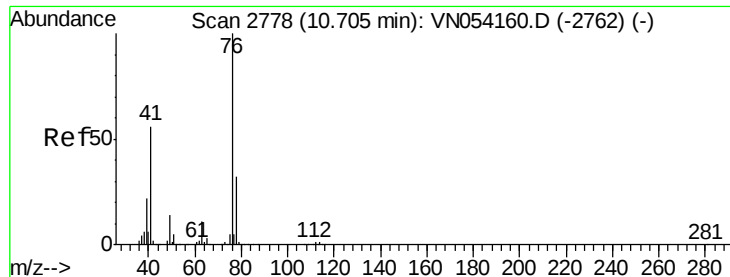
Tot Ion: 97 Resp: 697003
 Ion Ratio Lower Upper
 97 100
 83 82.7 66.6 100.0
 85 53.7 44.4 66.6
 99 62.8 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 57.094 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 69 Resp: 859727
 Ion Ratio Lower Upper
 69 100
 41 58.9 49.4 74.2
 39 32.2 28.3 42.5





#57

1,3-Dichloropropane

Concen: 53.913 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

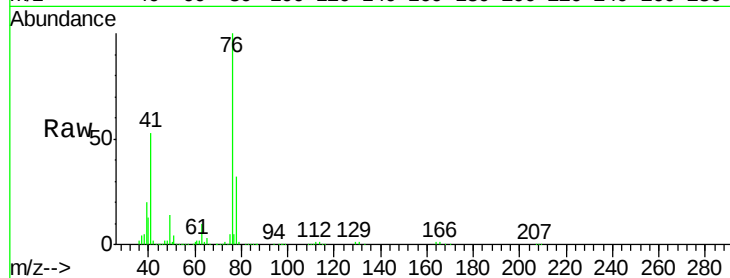
VSTDCCC050EC

Tot Ion: 76 Resp: 1113284

Ion Ratio Lower Upper

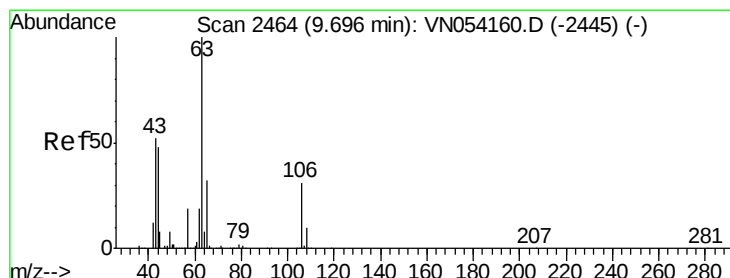
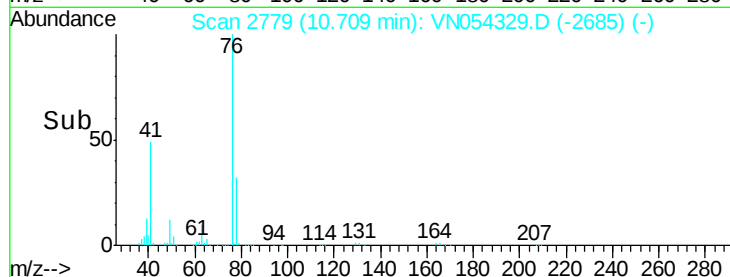
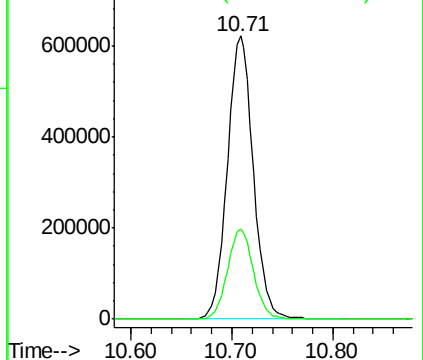
76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 247.608 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054329.D

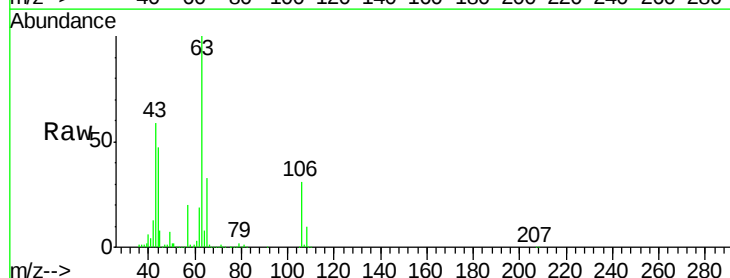
Acq: 16 Mar 2019 00:13

Tgt Ion: 63 Resp: 1616456

Ion Ratio Lower Upper

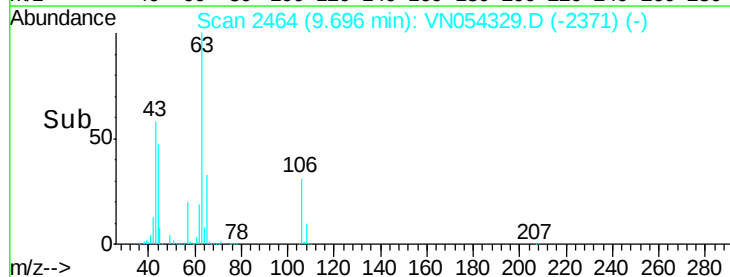
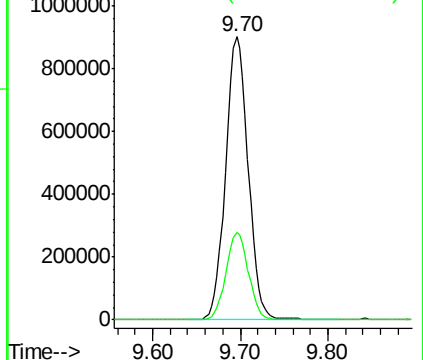
63 100

106 30.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

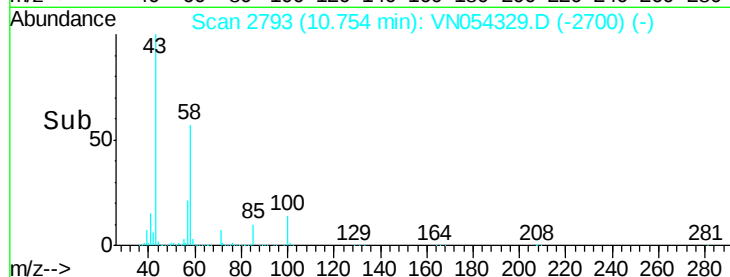
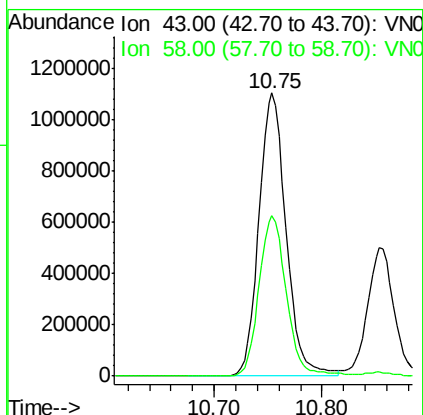
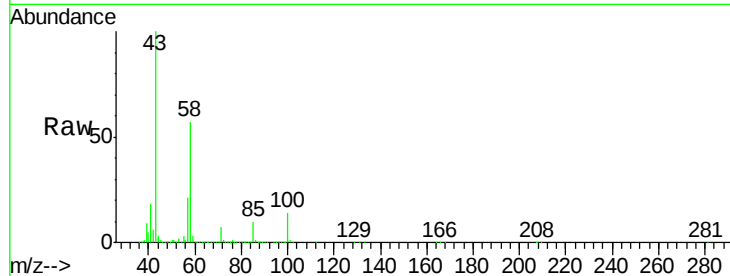




#59
2-Hexanone
Concen: 283.087 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

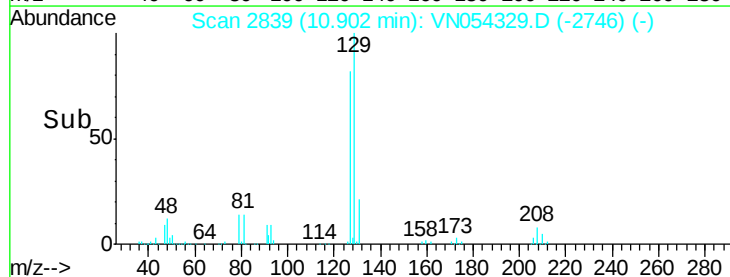
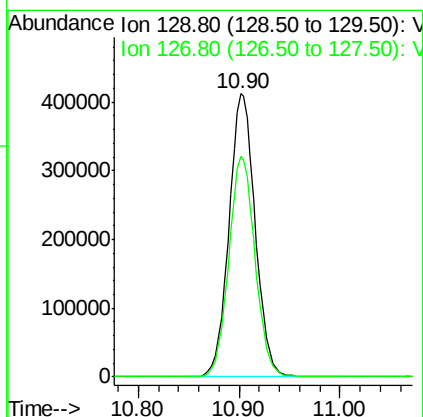
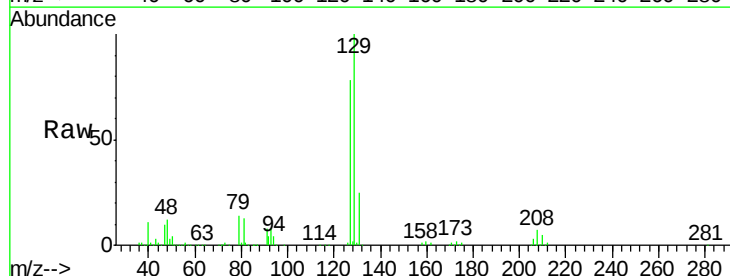
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1916387
Ion Ratio Lower Upper
43 100
58 57.5 28.0 83.9



#60
Dibromochloromethane
Concen: 52.346 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 129 Resp: 744064
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8

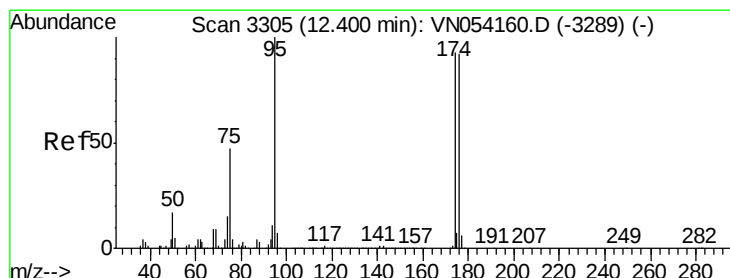
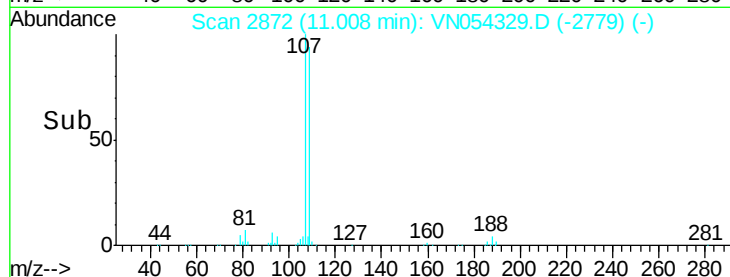
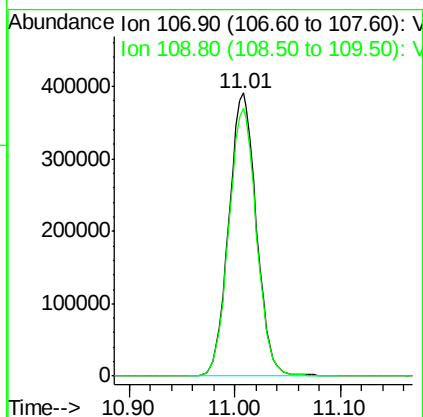
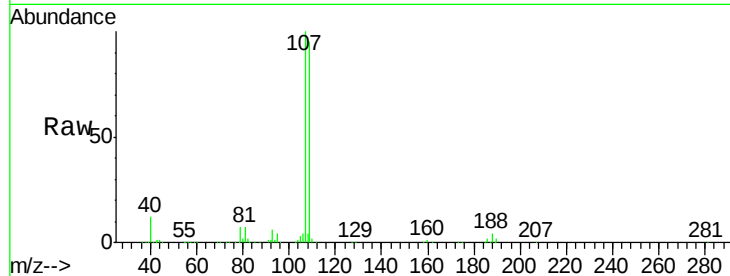




#61
 1,2-Dibromoethane
 Concen: 54.984 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

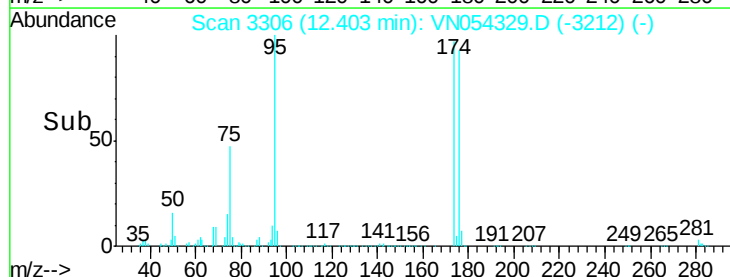
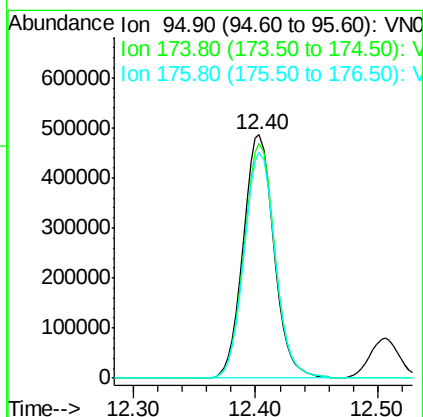
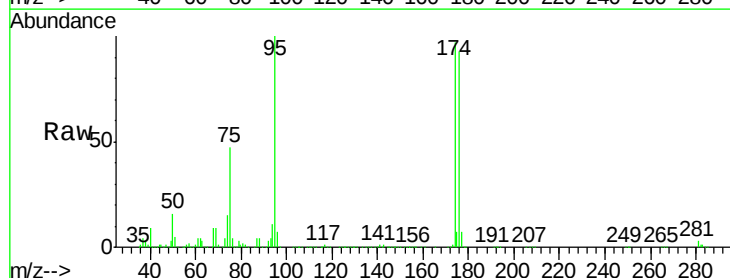
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 705633
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.767 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN054329.D
 Acq: 16 Mar 2019 00:13

Tgt Ion: 95 Resp: 841264
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 191.0
 176 94.1 0.0 187.4

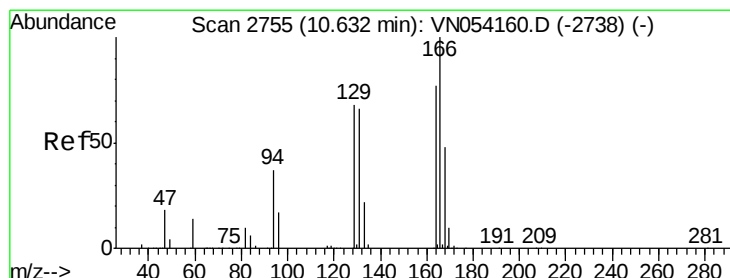
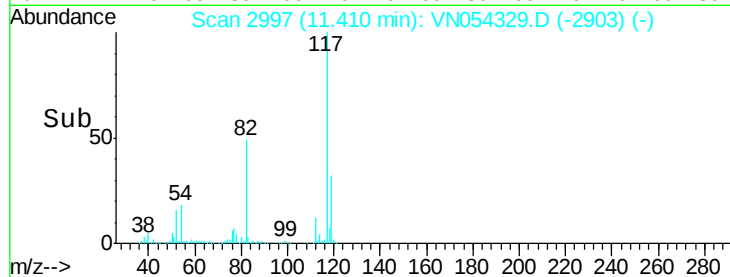
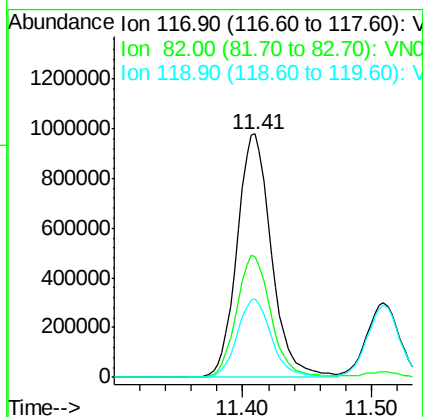
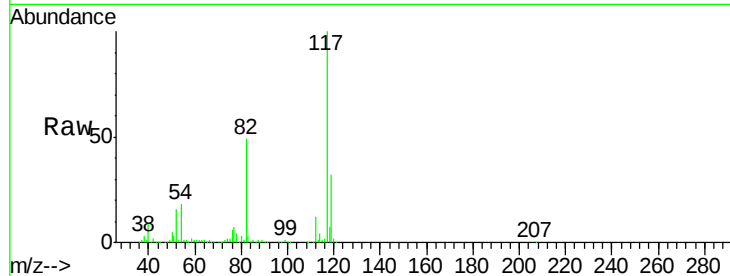




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

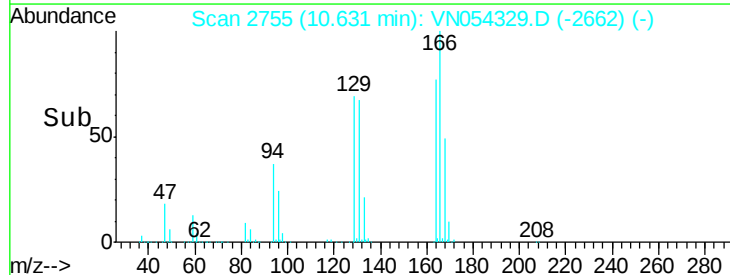
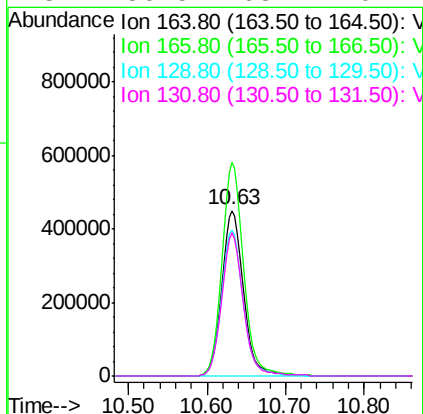
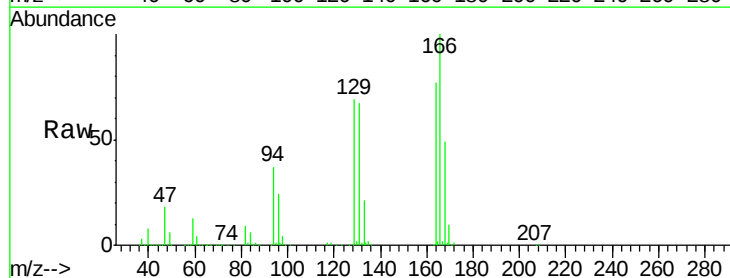
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1813491
Ion Ratio Lower Upper
117 100
82 49.4 40.0 60.0
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 48.649 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion:164 Resp: 853002
Ion Ratio Lower Upper
164 100
166 129.3 103.9 155.9
129 88.6 71.1 106.7
131 86.5 68.2 102.4





#65

Chlorobenzene

Concen: 51.977 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

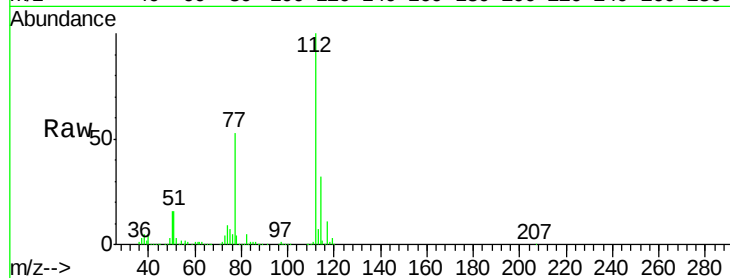
VSTDCCC050EC

Tot Ion:112 Resp: 2069706

Ion Ratio Lower Upper

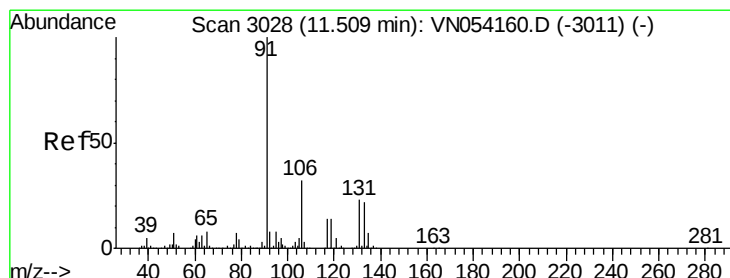
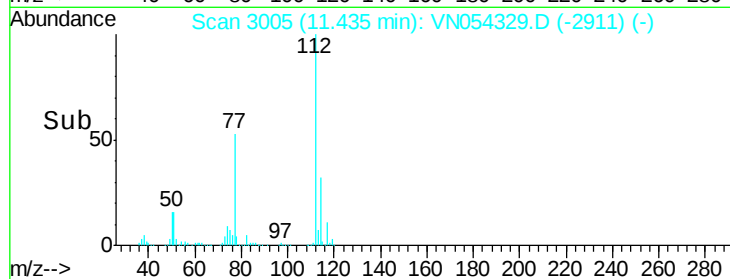
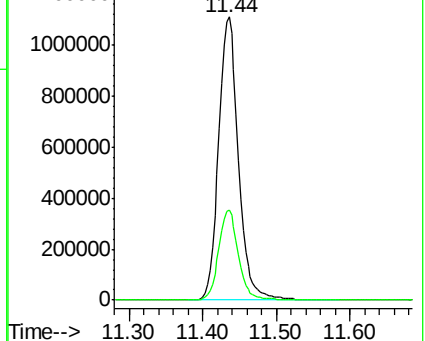
112 100

114 31.9 25.9 38.9



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: 53.017 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

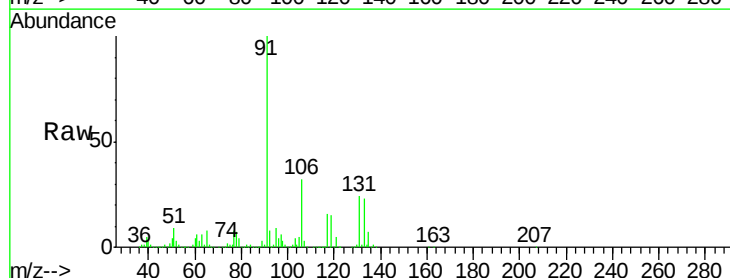
Tgt Ion:131 Resp: 766911

Ion Ratio Lower Upper

131 100

133 96.2 47.6 142.9

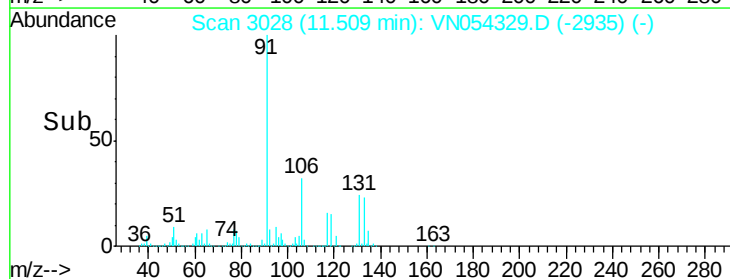
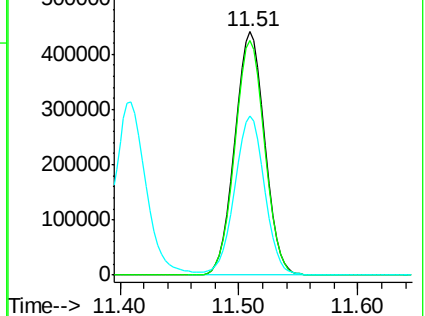
119 65.4 32.4 97.0



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

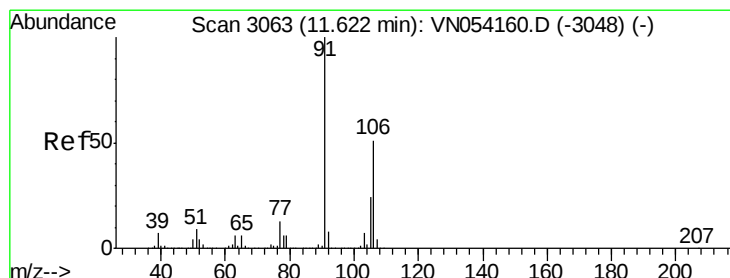
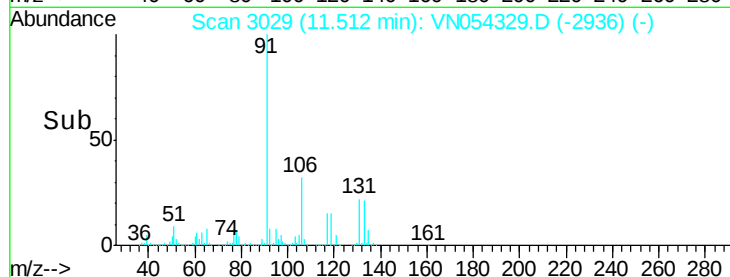
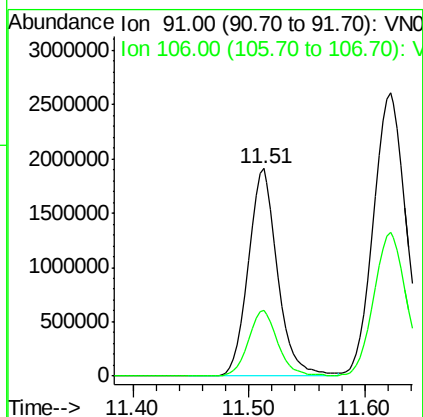
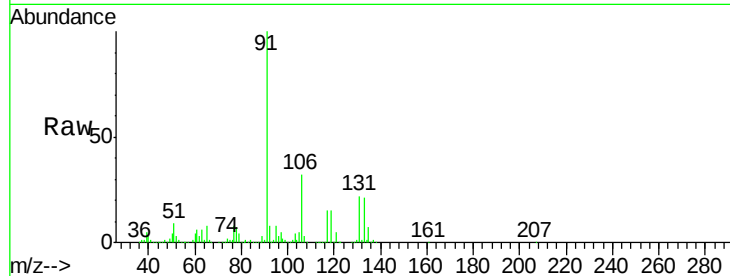




#67
Ethyl Benzene
Concen: 50.969 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

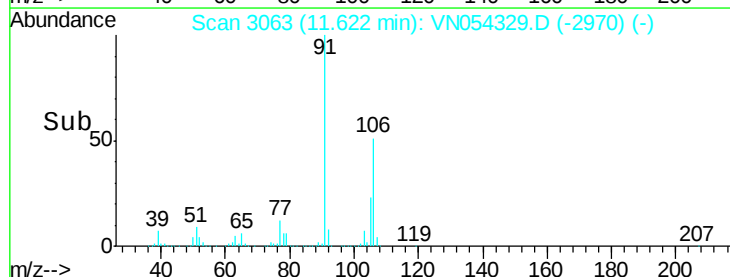
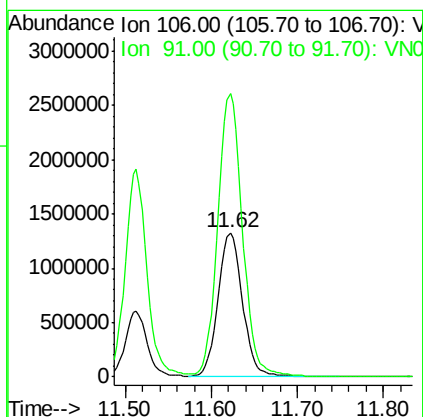
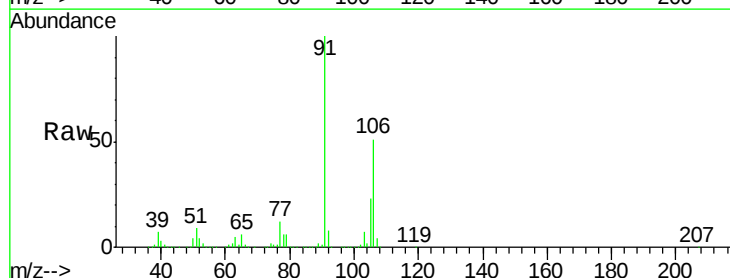
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

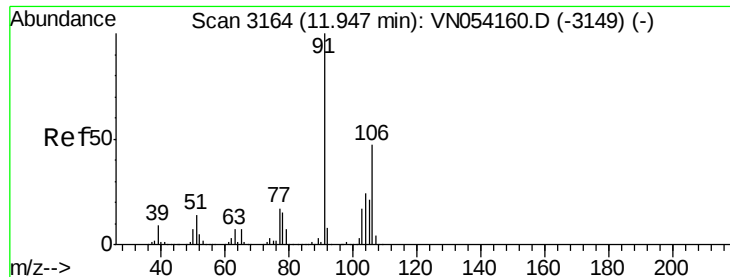
Tot Ion: 91 Resp: 3364314
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 102.507 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 106 Resp: 2644544
Ion Ratio Lower Upper
106 100
91 197.9 159.4 239.2

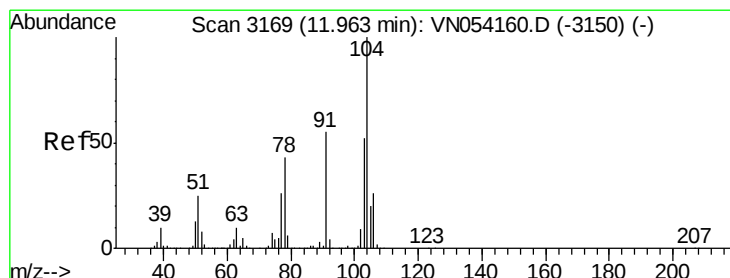
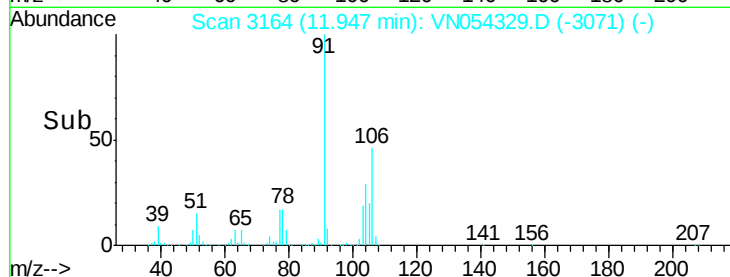
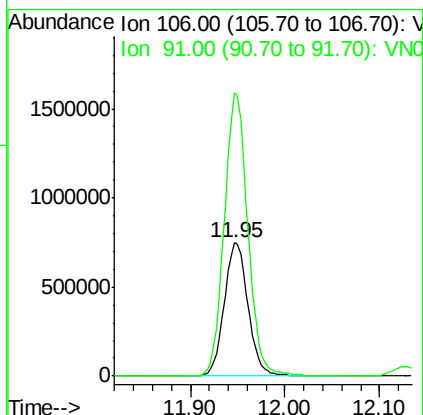
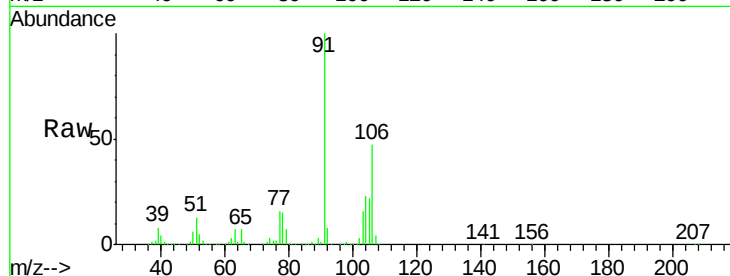




#69
o-Xylene
Concen: 52.183 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

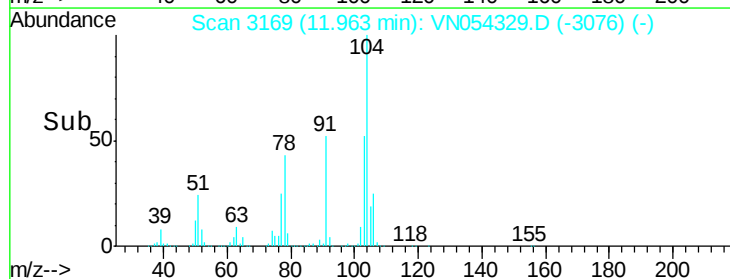
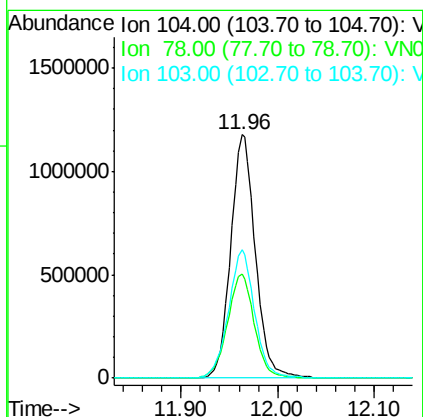
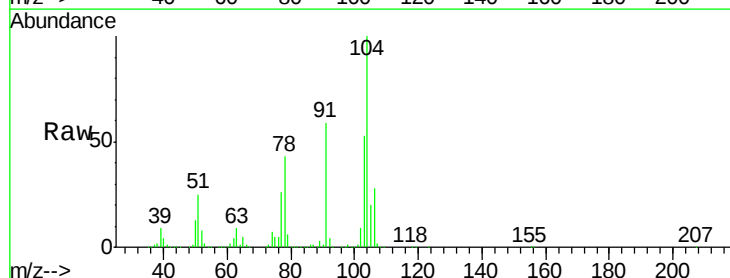
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1312373
Ion Ratio Lower Upper
106 100
91 209.4 105.7 317.1



#70
Styrene
Concen: 52.715 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion:104 Resp: 2079216
Ion Ratio Lower Upper
104 100
78 46.9 38.2 57.2
103 56.0 44.4 66.6

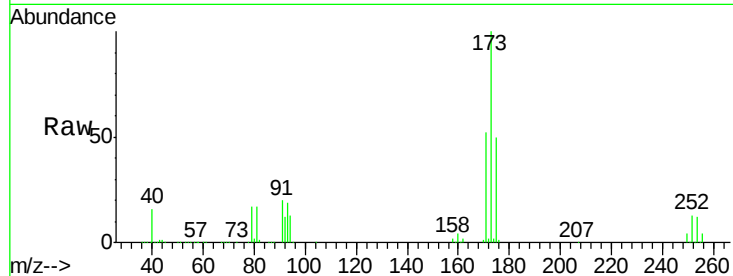




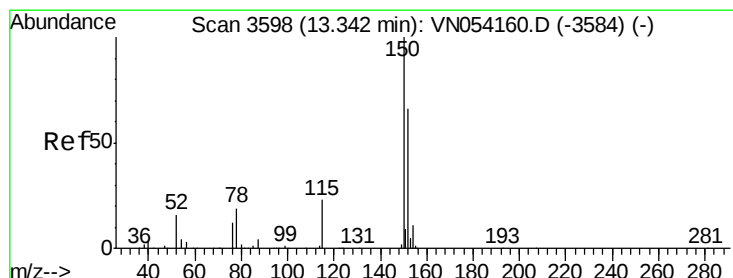
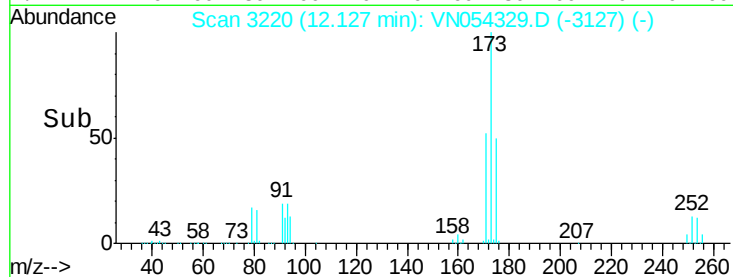
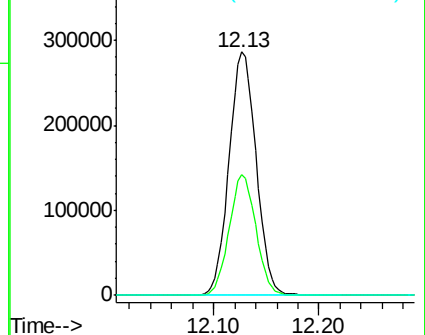
#71
Bromoform
Concen: 46.399 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 509674
Ion Ratio Lower Upper
173 100
175 49.0 24.4 73.2
254 0.1 0.1 0.1

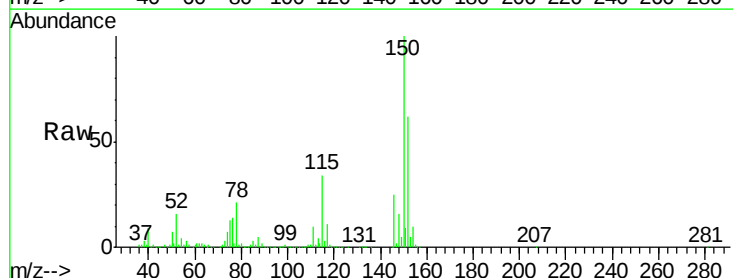


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

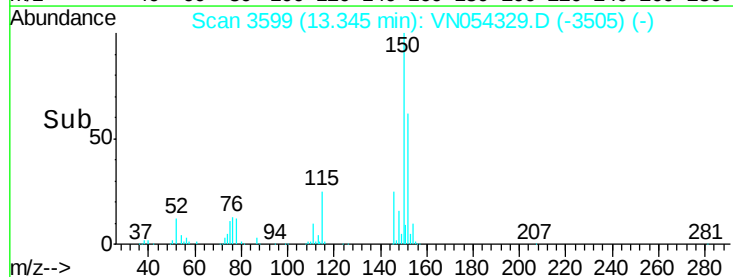
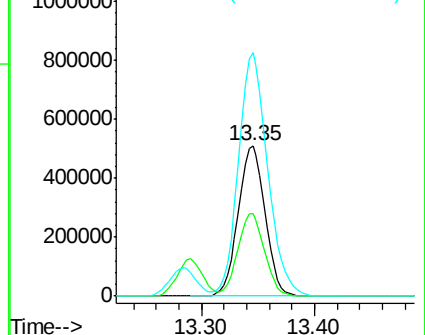


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion:152 Resp: 842927
Ion Ratio Lower Upper
152 100
115 54.8 27.2 81.6
150 175.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.592 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

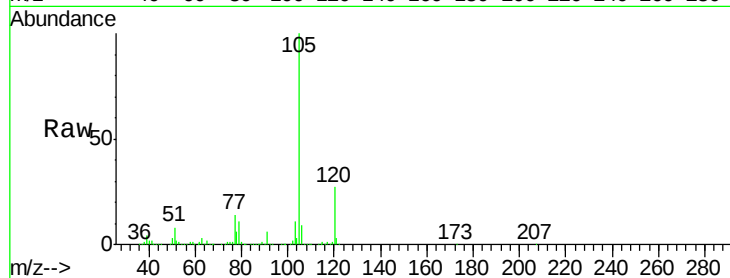
VSTDCCC050EC

Tot Ion:105 Resp: 3411924

Ion Ratio Lower Upper

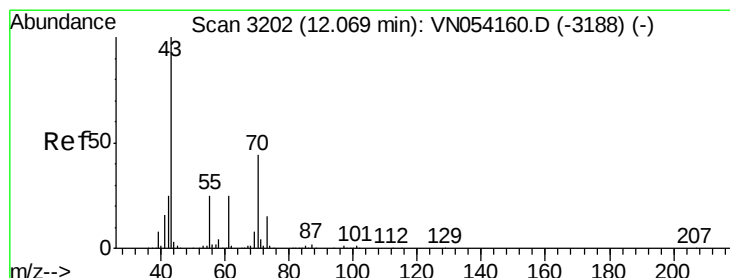
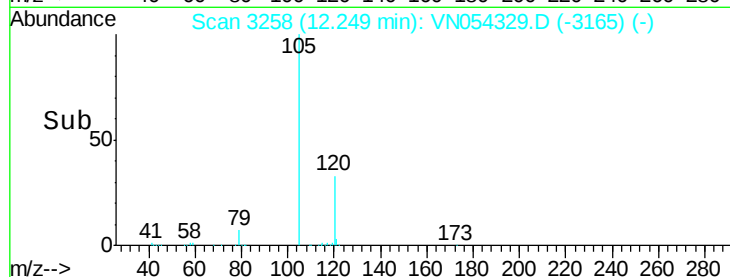
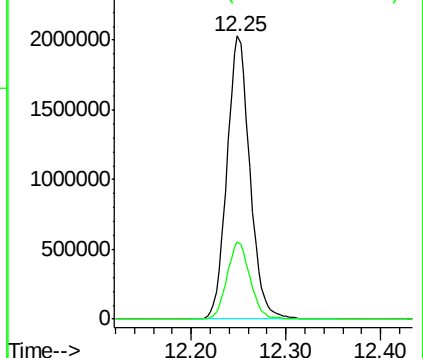
105 100

120 27.3 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.908 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Tgt Ion: 43 Resp: 836900

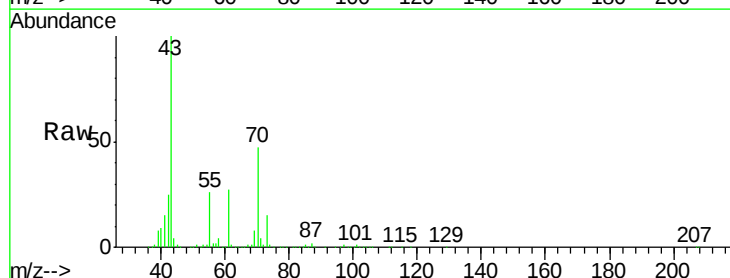
Ion Ratio Lower Upper

43 100

70 47.3 35.4 53.0

55 26.2 19.8 29.6

61 26.3 19.8 29.6

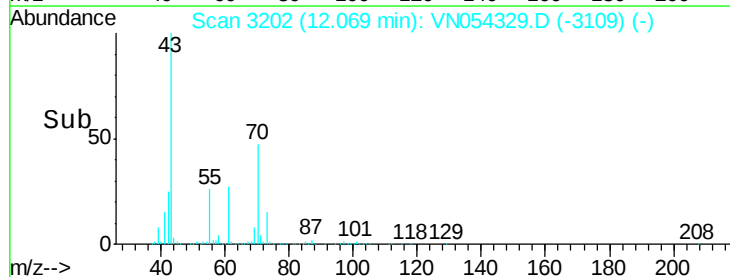
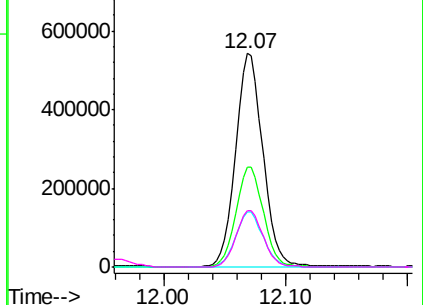


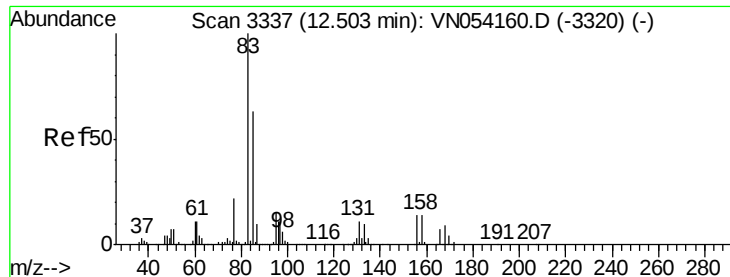
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 57.690 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

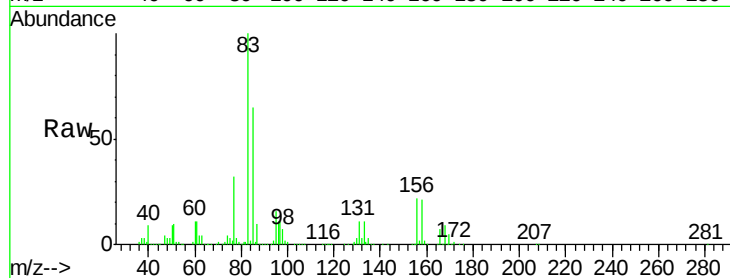
Tot Ion: 83 Resp: 828916

Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.8	17.4
85	64.4	32.2	96.6

83 100

131 11.5 5.8 17.4

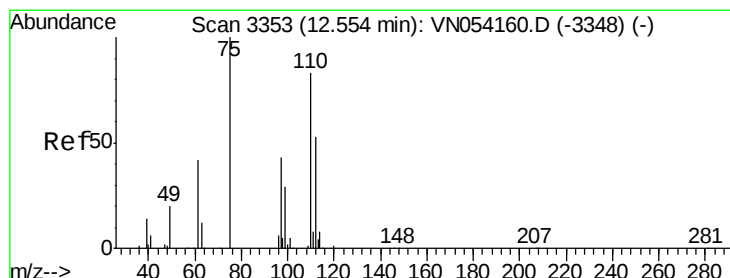
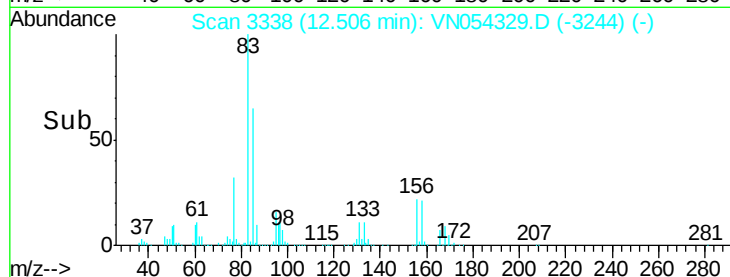
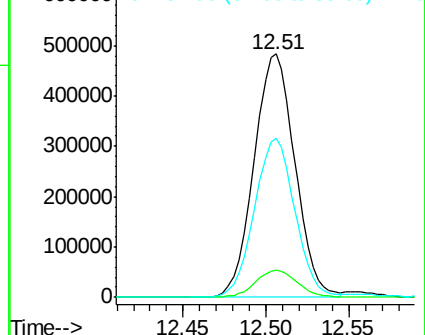
85 64.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 76.622 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054329.D

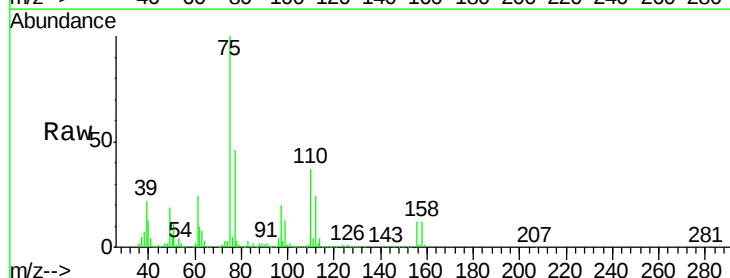
Acq: 16 Mar 2019 00:13

Tgt Ion: 75 Resp: 949771

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

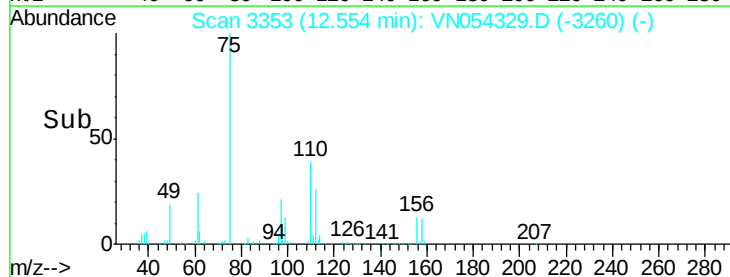
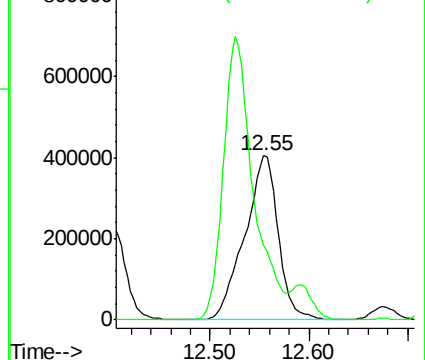
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 52.952 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

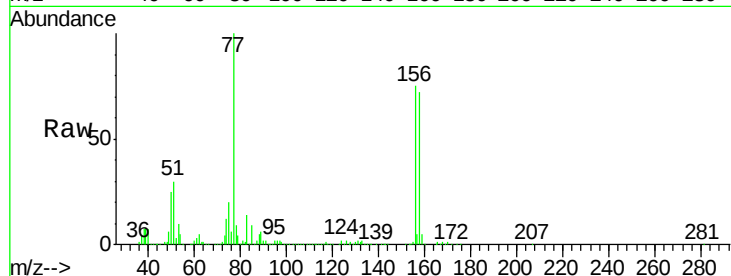
Tot Ion:156 Resp: 944953

Ion Ratio Lower Upper

156 100

77 157.7 81.5 244.4

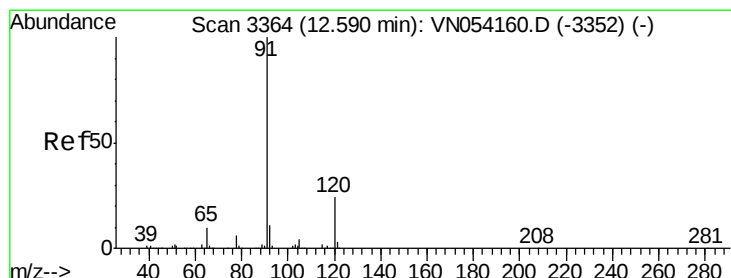
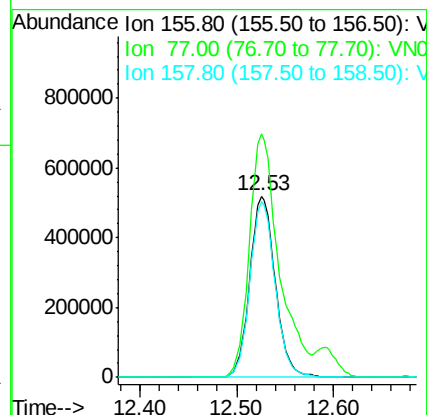
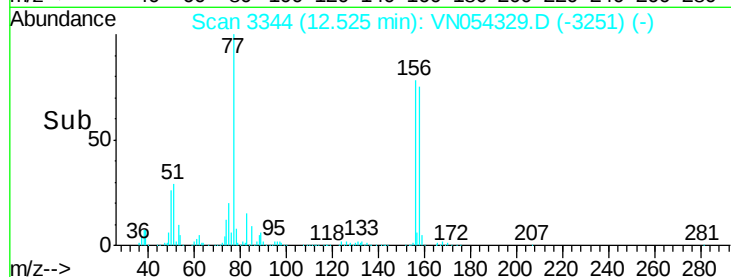
158 96.4 49.0 147.2



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: 49.751 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054329.D

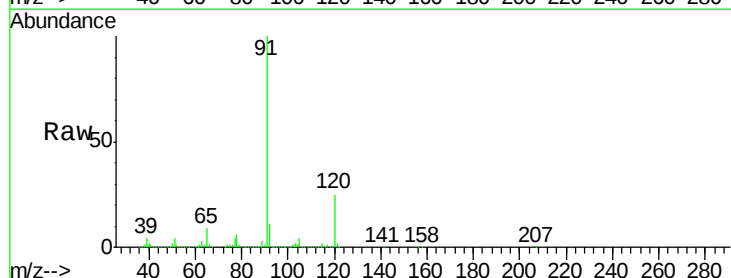
Acq: 16 Mar 2019 00:13

Tgt Ion: 91 Resp: 3640590

Ion Ratio Lower Upper

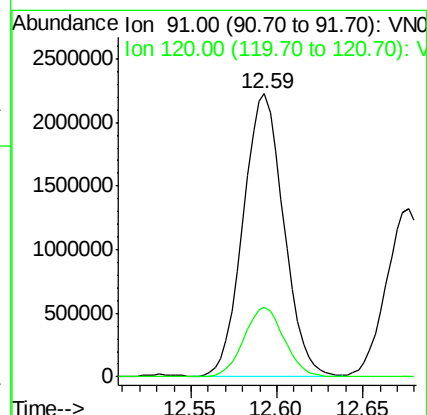
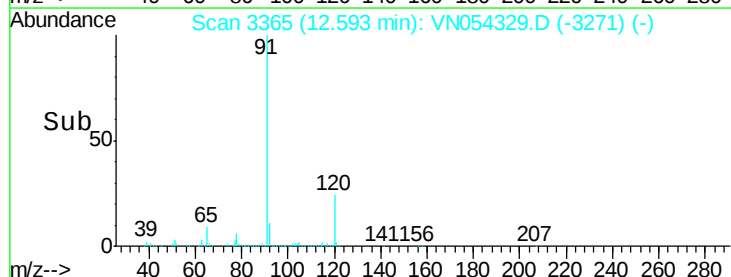
91 100

120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.666 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

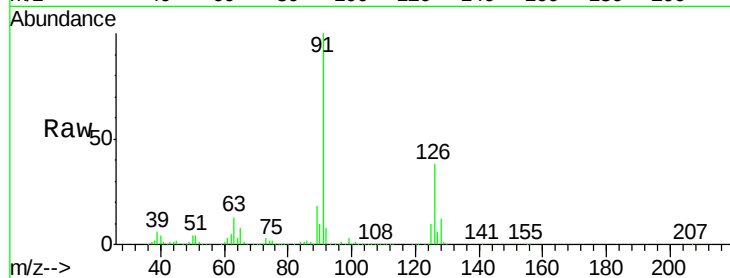
VSTDCCC050EC

Tot Ion: 91 Resp: 2229251

Ion Ratio Lower Upper

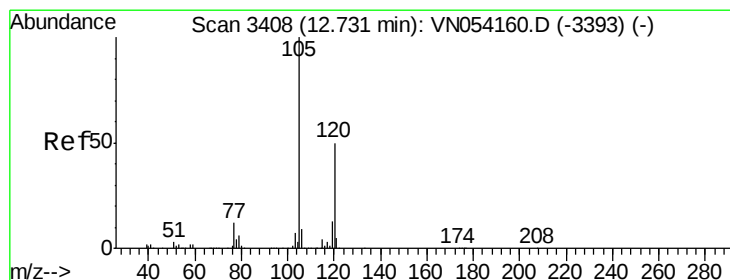
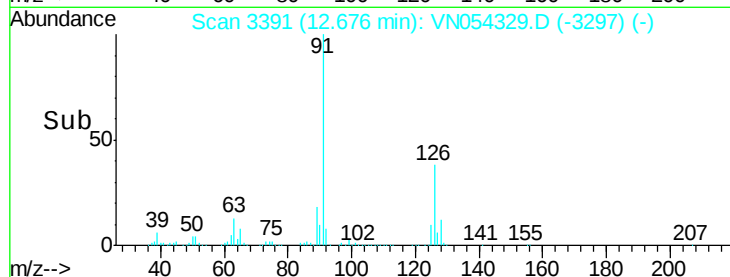
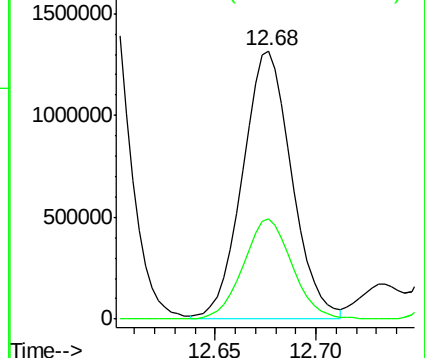
91 100

126 37.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.430 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054329.D

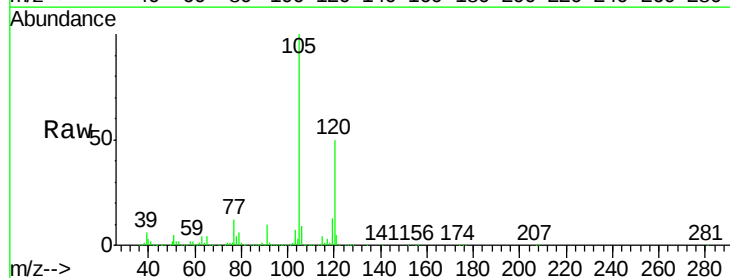
Acq: 16 Mar 2019 00:13

Tgt Ion:105 Resp: 2772814

Ion Ratio Lower Upper

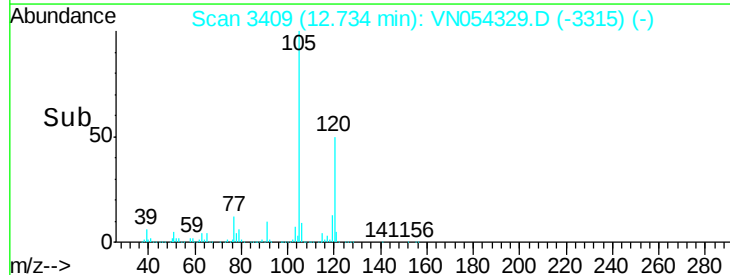
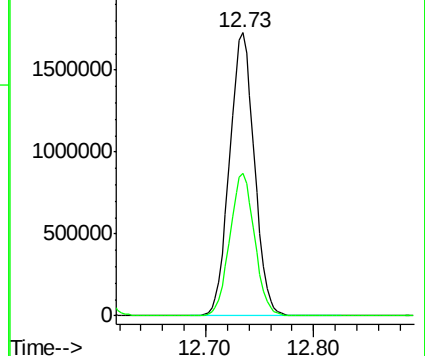
105 100

120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

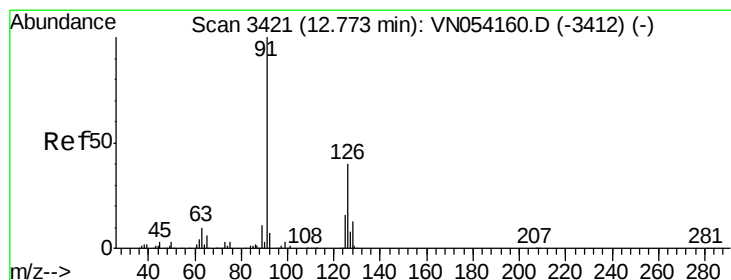
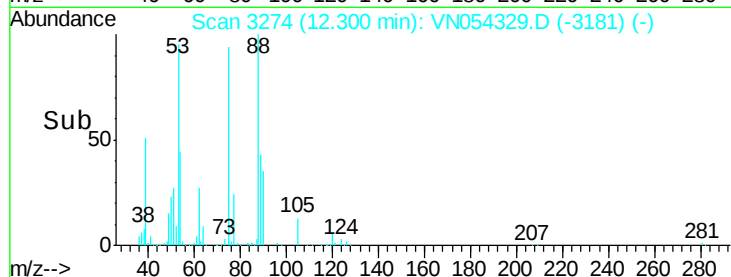
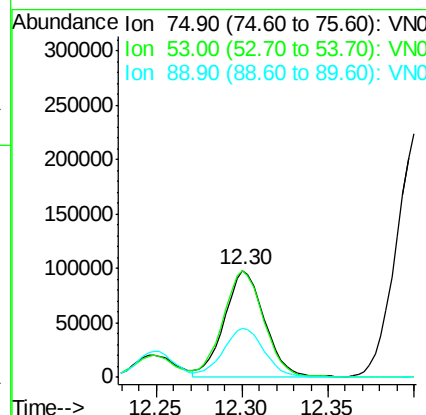
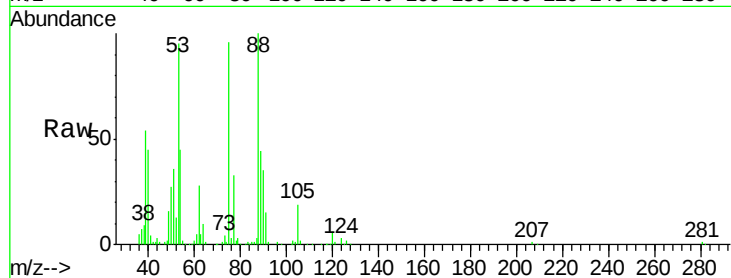




#81
trans-1,4-Dichloro-2-butene
Concen: 43.747 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

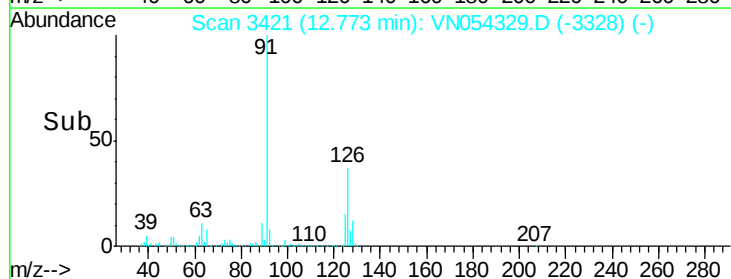
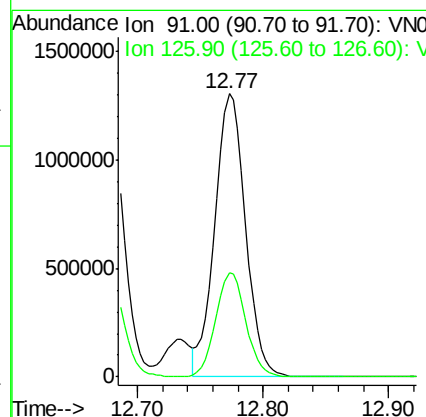
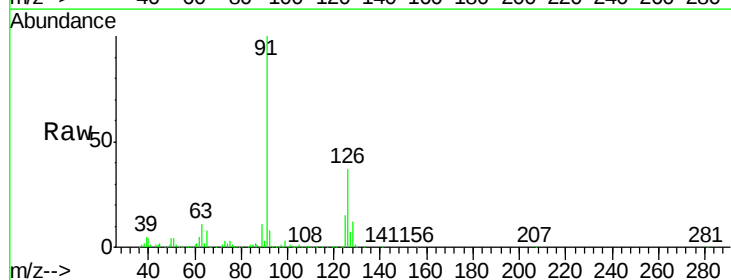
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

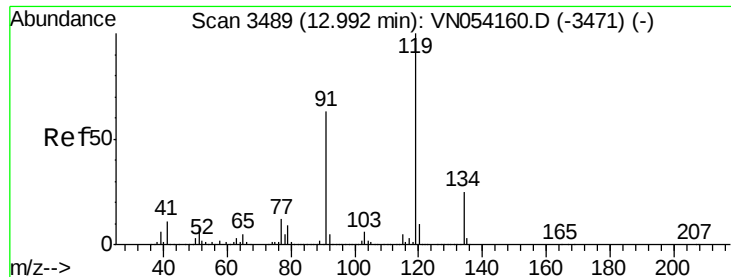
Tot Ion: 75 Resp: 158631
Ion Ratio Lower Upper
75 100
53 101.8 76.2 114.2
89 47.6 39.2 58.8



#82
4-Chlorotoluene
Concen: 50.416 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054329.D
Acq: 16 Mar 2019 00:13

Tgt Ion: 91 Resp: 2214967
Ion Ratio Lower Upper
91 100
126 36.3 18.1 54.1





#83

tert-Butylbenzene

Concen: 48.990 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

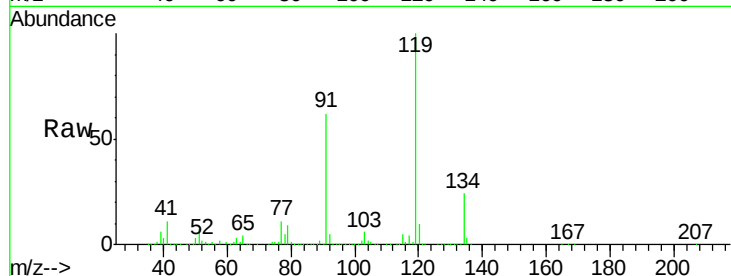
Tot Ion:119 Resp: 2529471

Ion Ratio Lower Upper

119 100

91 61.3 30.9 92.8

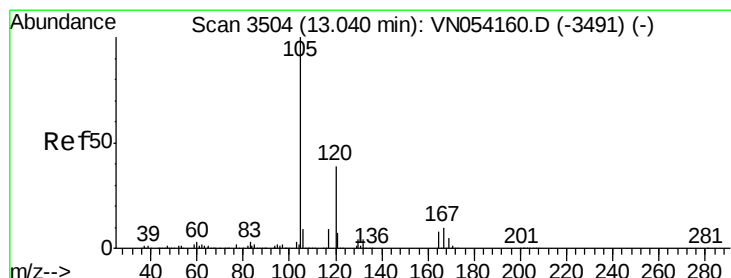
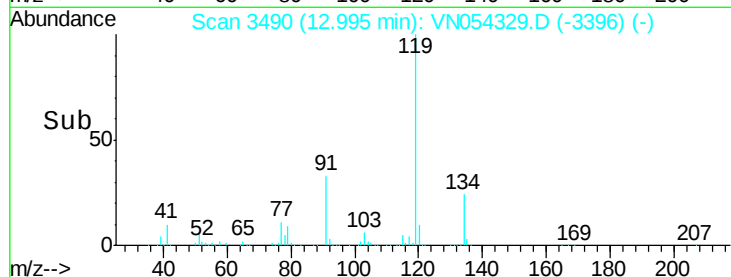
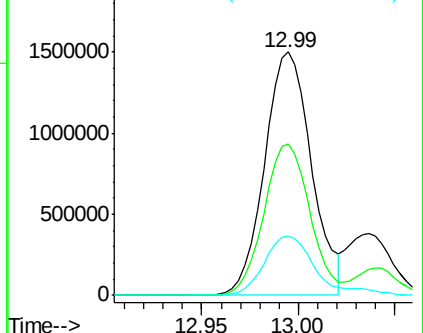
134 26.7 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.842 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054329.D

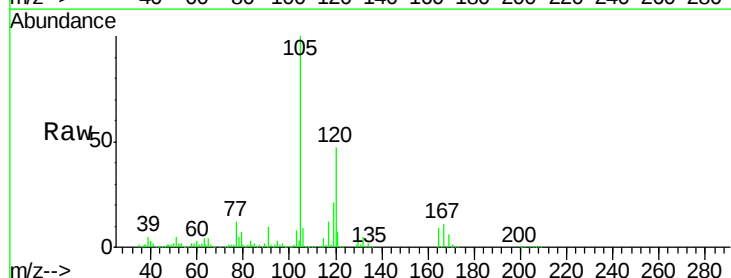
Acq: 16 Mar 2019 00:13

Tgt Ion:105 Resp: 2797936

Ion Ratio Lower Upper

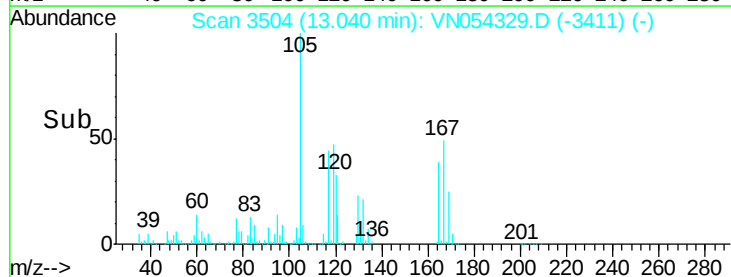
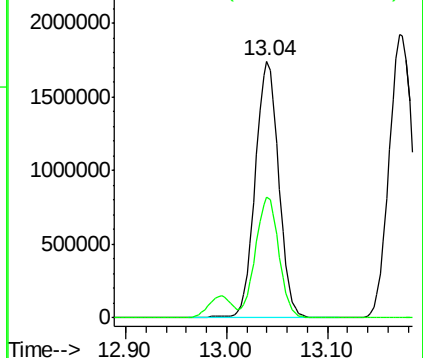
105 100

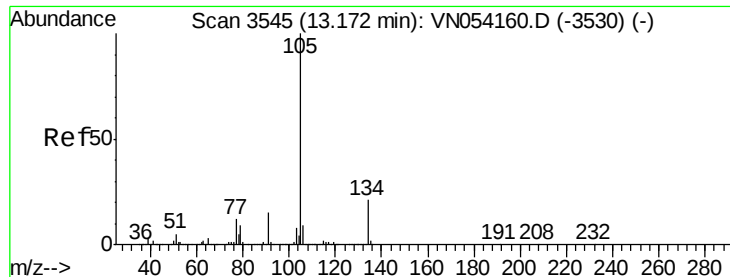
120 47.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.295 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

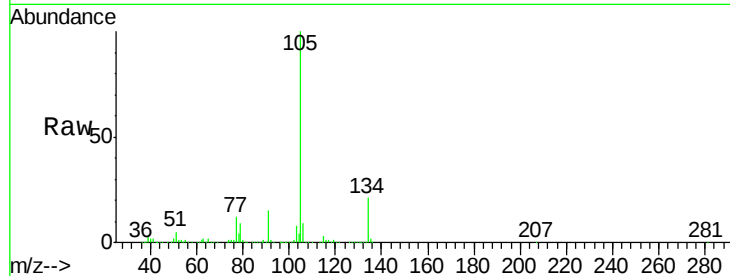
VSTDCCC050EC

Tot Ion:105 Resp: 3166875

Ion Ratio Lower Upper

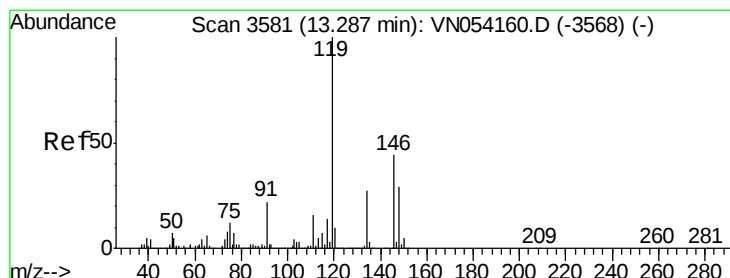
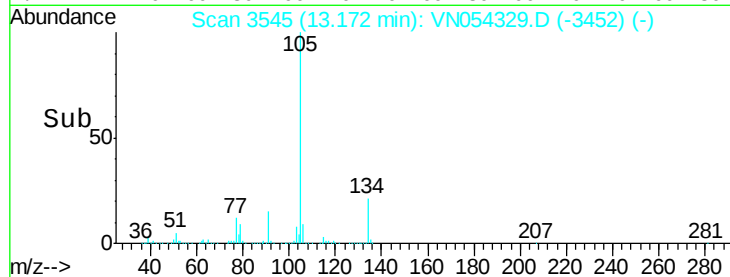
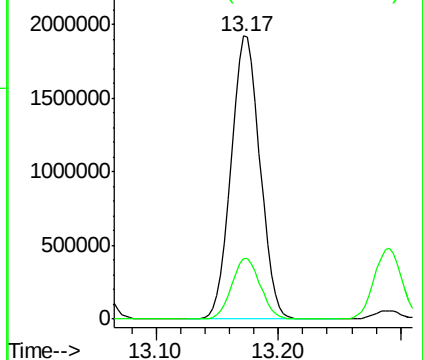
105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.972 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

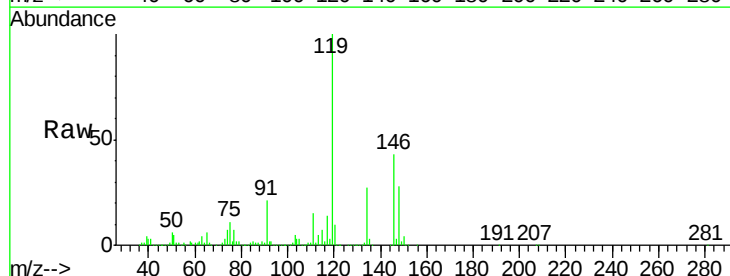
Tgt Ion:119 Resp: 2759327

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

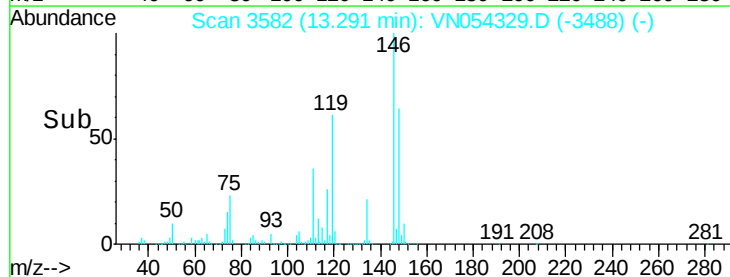
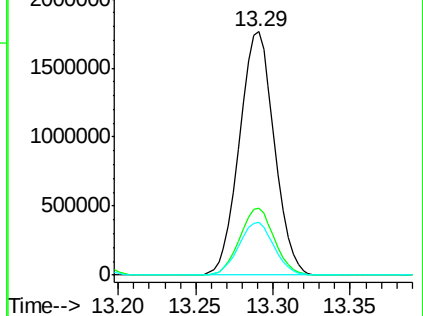
91 21.8 11.1 33.3

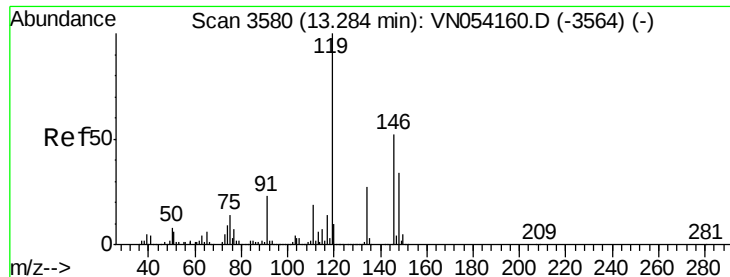


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.364 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

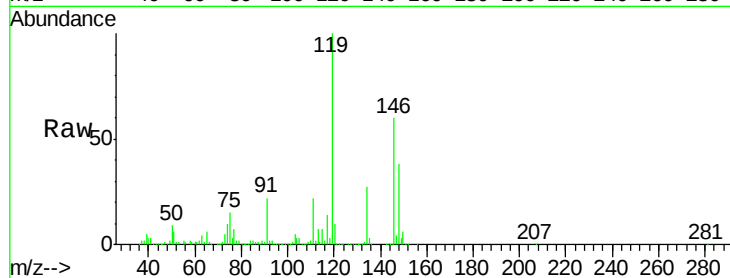
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1544517

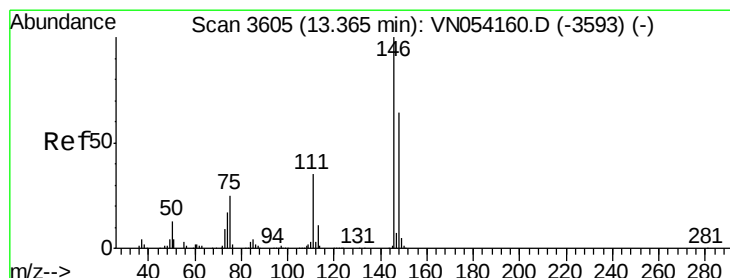
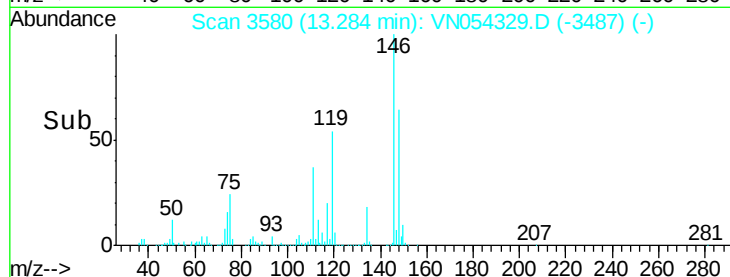
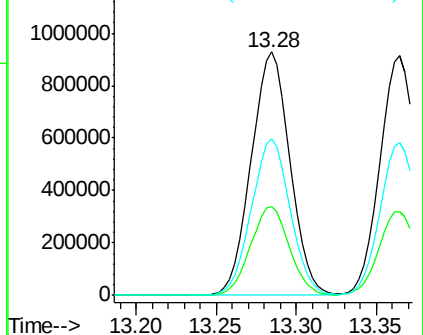
Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.3
148	64.3	32.2	96.6



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: 50.827 ug/l

RT: 13.36 min Scan# 3605

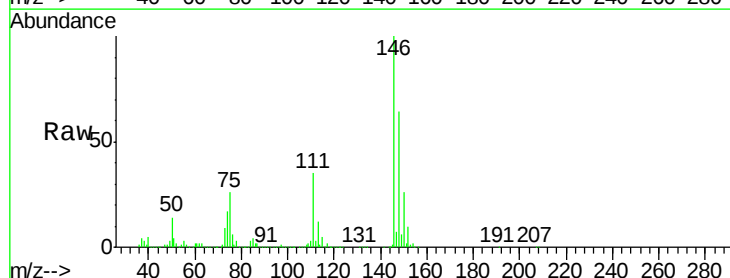
Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Tgt Ion:146 Resp: 1501422

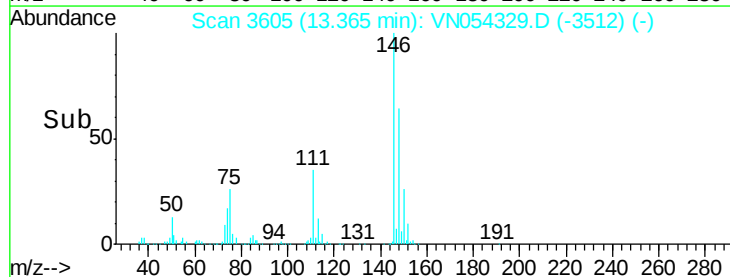
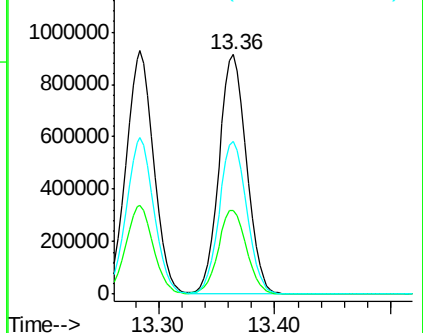
Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.1	54.1
148	64.1	32.0	96.0

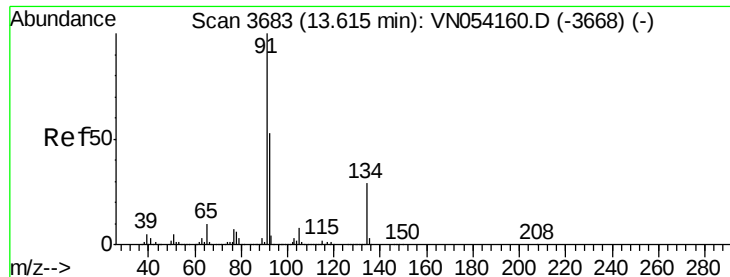


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 46.509 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

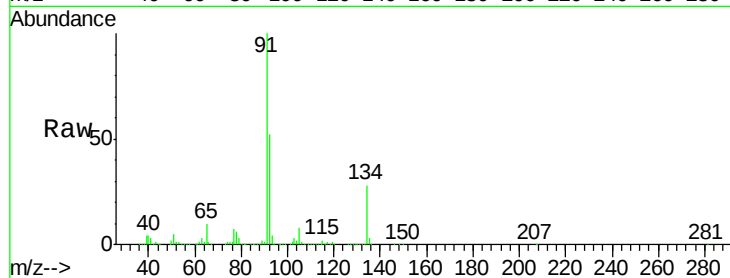
Tot Ion: 91 Resp: 2075904

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.6

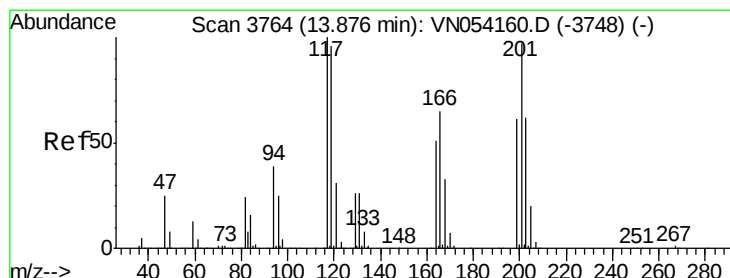
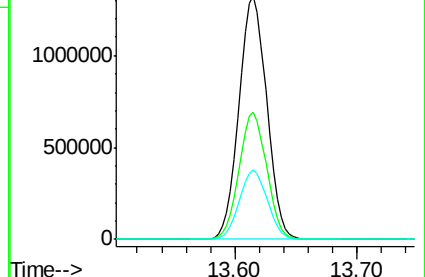
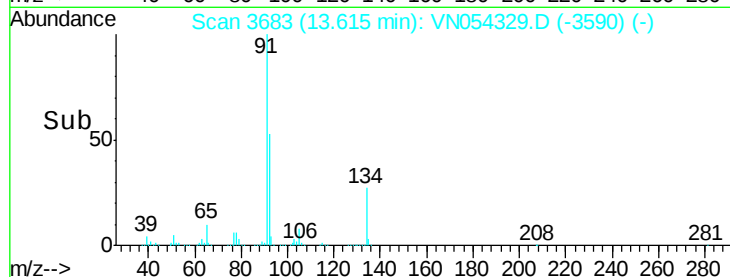
134 28.6 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 45.857 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054329.D

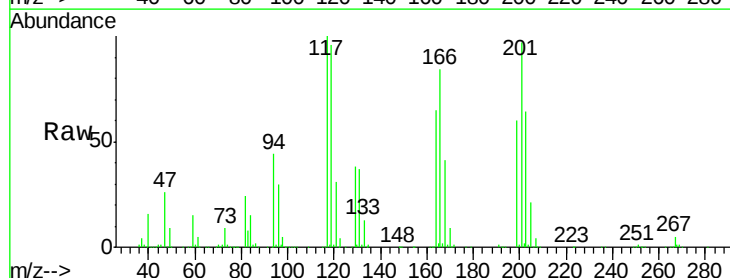
Acq: 16 Mar 2019 00:13

Tgt Ion: 117 Resp: 446061

Ion Ratio Lower Upper

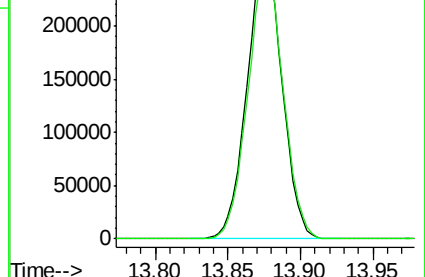
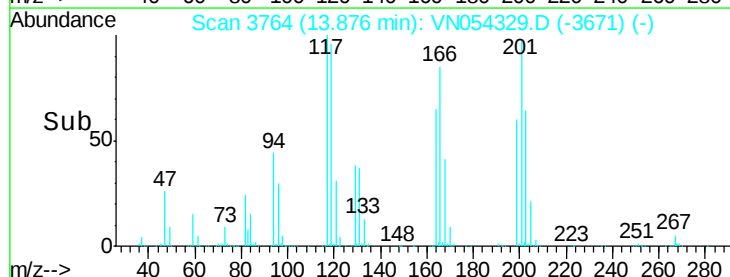
117 100

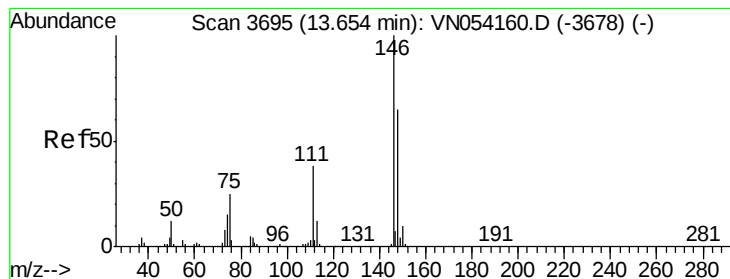
201 96.9 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 52.844 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

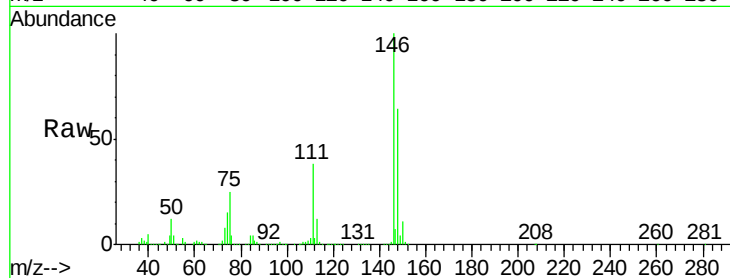
Tot Ion:146 Resp: 1553425

Ion Ratio Lower Upper

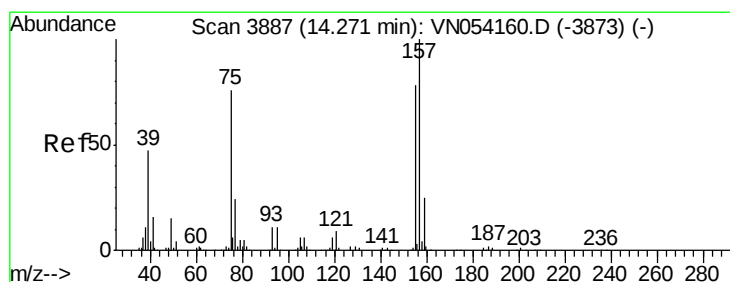
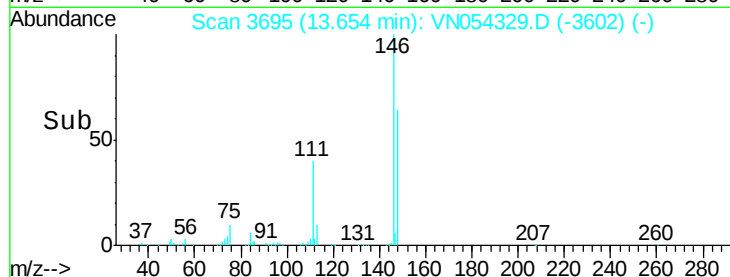
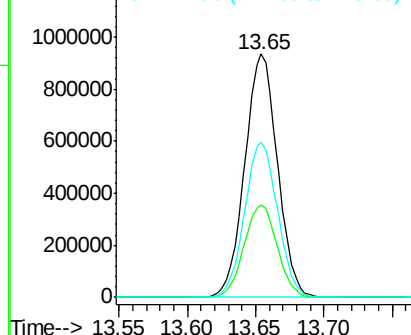
146 100

111 38.4 19.1 57.3

148 64.3 32.4 97.0



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: 54.891 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

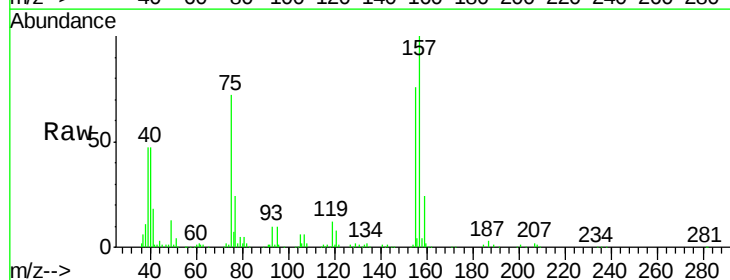
Tgt Ion: 75 Resp: 122046

Ion Ratio Lower Upper

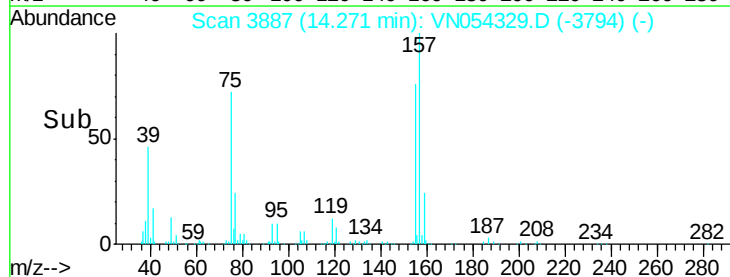
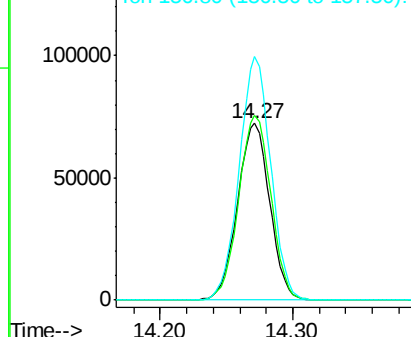
75 100

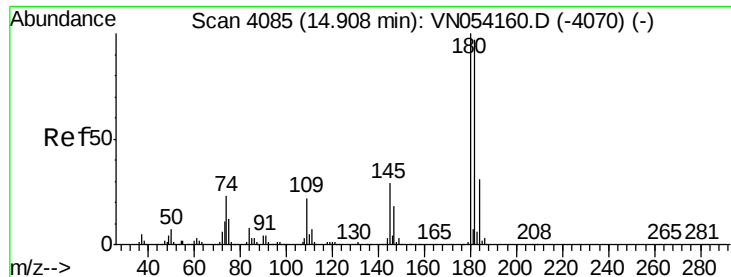
155 104.6 50.1 150.3

157 134.8 63.1 189.3



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: 44.749 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

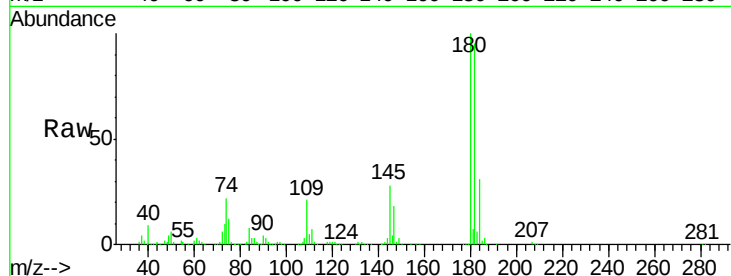
Tot Ion:180 Resp: 789241

Ion Ratio Lower Upper

180 100

182 94.4 48.0 144.2

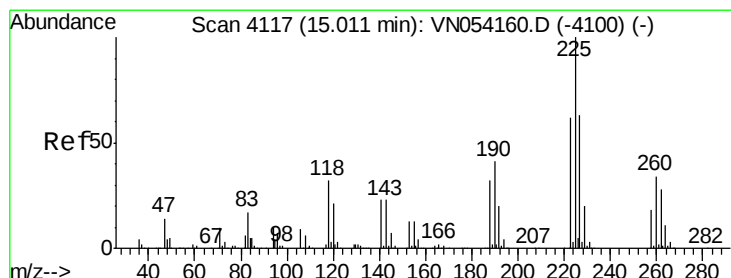
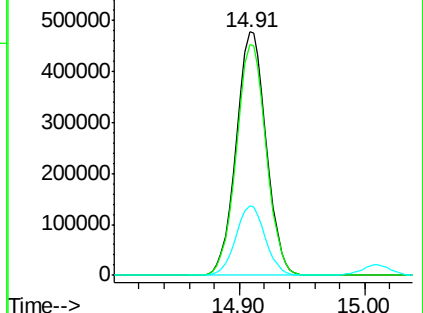
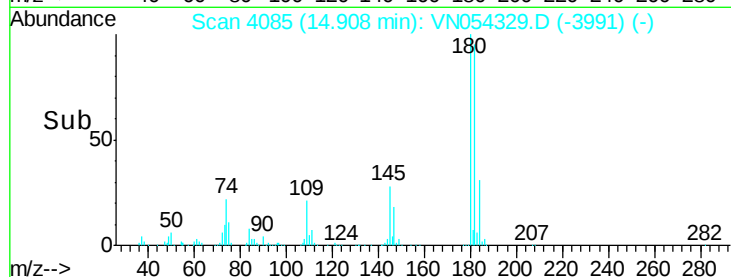
145 28.2 14.2 42.8



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: 40.130 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

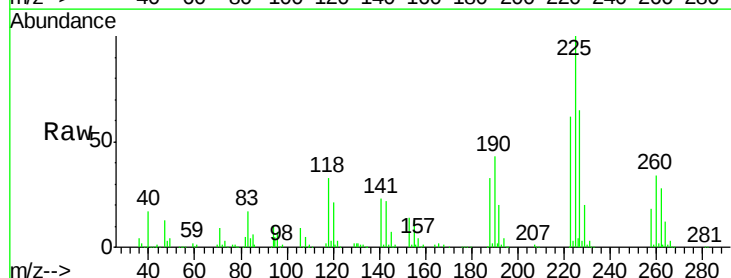
Tgt Ion:225 Resp: 449339

Ion Ratio Lower Upper

225 100

223 62.3 31.1 93.5

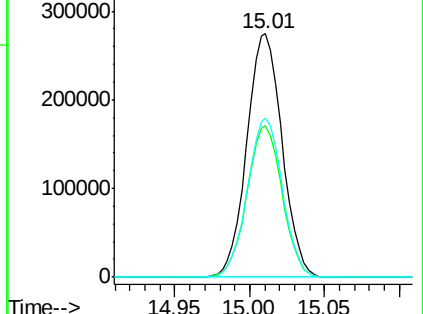
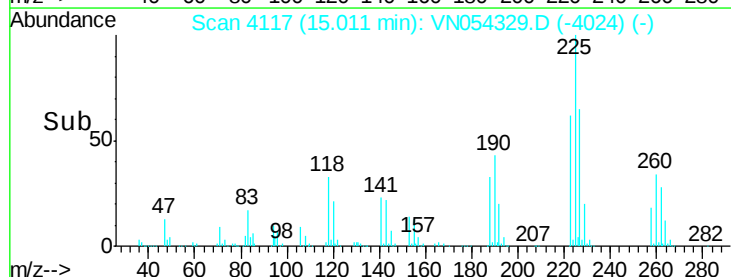
227 65.1 31.9 95.9

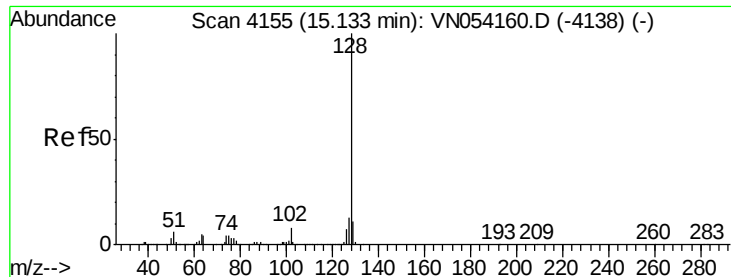


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.549 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

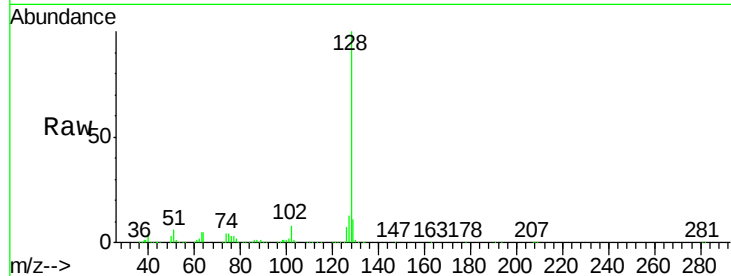
Tot Ion:128 Resp: 1790904

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

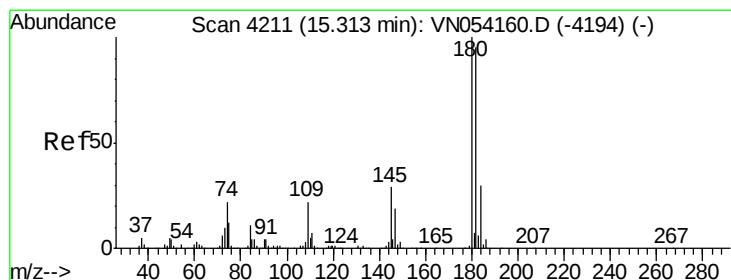
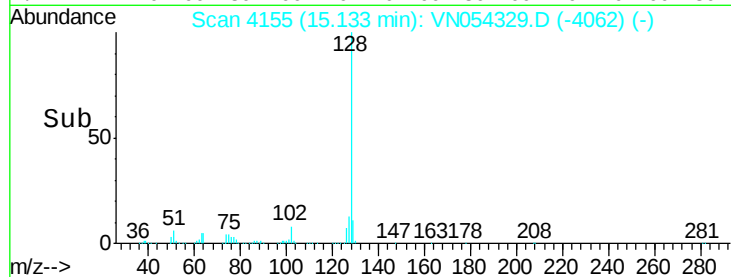
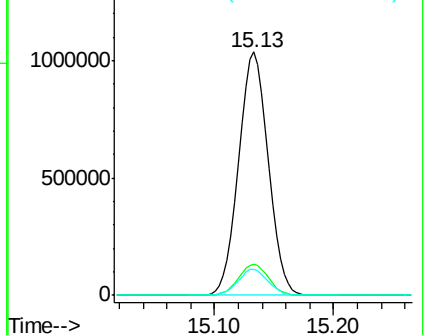
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.157 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054329.D

Acq: 16 Mar 2019 00:13

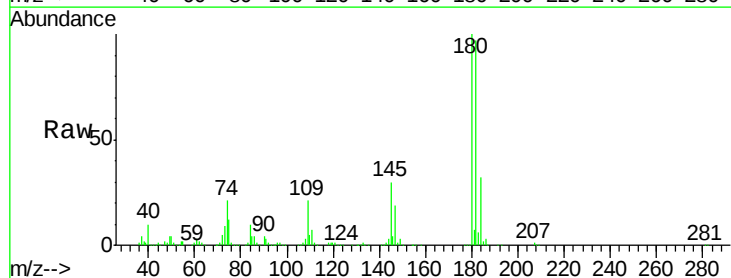
Tgt Ion:180 Resp: 799023

Ion Ratio Lower Upper

180 100

182 96.5 47.5 142.6

145 29.8 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

