

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054406.D
 Acq On : 18 Mar 2019 21:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:22:31 AM

Quant Time: Mar 19 07:01:42 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	7.66	168	1130902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1792374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1564607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	739363	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	622640	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
35) Dibromofluoromethane	7.59	113	593805	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	10.09	98	2140173	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	730105	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	546202	50.961	ug/l	98
3) Chloromethane	2.06	50	530996	51.002	ug/l	99
4) Vinyl Chloride	2.19	62	577222	48.507	ug/l	99
5) Bromomethane	2.57	94	332036	40.288	ug/l	97
6) Chloroethane	2.71	64	346066	48.065	ug/l	99
7) Trichlorofluoromethane	3.02	101	748196	47.291	ug/l	99
8) Diethyl Ether	3.41	74	386937	53.669	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	614259	51.811	ug/l	99
10) Methyl Iodide	3.94	142	799467	47.559	ug/l	100
11) Tert butyl alcohol	4.82	59	200513	243.532	ug/l	98
12) 1,1-Dichloroethene	3.73	96	599014	50.985	ug/l	99
13) Acrolein	3.61	56	193478	247.986	ug/l	98
14) Allyl chloride	4.31	41	766960	50.879	ug/l	99
15) Acrylonitrile	4.99	53	975668	288.481	ug/l	100
16) Acetone	3.82	43	692731	201.446	ug/l	98
17) Carbon Disulfide	4.04	76	1262016	42.849	ug/l	99
18) Methyl Acetate	4.33	43	463567	66.630	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1584303	54.403	ug/l	100
20) Methylene Chloride	4.54	84	609722	53.999	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	591070	52.507	ug/l	100
22) Diisopropyl ether	5.96	45	1695655	56.362	ug/l	98
23) Vinyl Acetate	5.90	43	5971034	269.182	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1059081	54.826	ug/l	99
25) 2-Butanone	6.85	43	1136136	281.494	ug/l	98
26) 2,2-Dichloropropane	6.82	77	721468	42.470	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	698706	55.637	ug/l	98
28) Bromochloromethane	7.19	49	426879	54.055	ug/l	98
29) Tetrahydrofuran	7.22	42	734646	283.094	ug/l	99
30) Chloroform	7.37	83	1132930	56.204	ug/l	100
31) Cyclohexane	7.65	56	909799	50.386	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	952438	52.318	ug/l	99
36) 1,1-Dichloropropene	7.79	75	822232	49.813	ug/l	100
37) Ethyl Acetate	6.94	43	498513	52.562	ug/l	99
38) Carbon Tetrachloride	7.77	117	832452	48.091	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	929588	45.772	ug/l	99
40) Benzene	8.04	78	2480188	52.508	ug/l	100
41) Methacrylonitrile	7.17	41	281051	51.900	ug/l	96
42) 1,2-Dichloroethane	8.12	62	814797	51.094	ug/l	99
43) Isopropyl Acetate	8.17	43	835998	50.217	ug/l	98
44) Trichloroethene	8.83	130	746978	50.908	ug/l	98
45) 1,2-Dichloropropane	9.12	63	631621	53.853	ug/l	100
46) Dibromomethane	9.21	93	410417	51.790	ug/l	99
47) Bromodichloromethane	9.40	83	834438	52.524	ug/l	99
48) Methyl methacrylate	9.20	41	445424	52.723	ug/l	96
49) 1,4-Dioxane	9.20	88	135308	1132.276	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2469381	280.294	ug/l	98
52) Toluene	10.16	92	1577117	52.659	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	774237	42.903	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	927660	50.109	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	590895	54.033	ug/l	97
56) Ethyl methacrylate	10.43	69	707751	54.277	ug/l	95
57) 1,3-Dichloropropane	10.71	76	973081	54.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1367480	242.285	ug/l	99
59) 2-Hexanone	10.75	43	1531629	261.275	ug/l	97
60) Dibromochloromethane	10.90	129	645960	52.479	ug/l	100
61) 1,2-Dibromoethane	11.01	107	592075	53.277	ug/l	100
64) Tetrachloroethene	10.63	164	742714	49.097	ug/l	98
65) Chlorobenzene	11.43	112	1815700	52.852	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	666772	53.427	ug/l	99
67) Ethyl Benzene	11.51	91	2969615	52.146	ug/l	100
68) m/p-Xylenes	11.62	106	2332883	104.810	ug/l	100
69) o-Xylene	11.95	106	1153649	53.169	ug/l	98
70) Styrene	11.96	104	1831540	53.822	ug/l	100
71) Bromoform	12.13	173	418907	44.314	ug/l #	100
73) Isopropylbenzene	12.25	105	2993892	50.612	ug/l	100
74) N-amyl acetate	12.07	43	688752	52.456	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	688605	54.638	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	605987m	55.735	ug/l	
77) Bromobenzene	12.53	156	803626	51.340	ug/l	99
78) n-propylbenzene	12.59	91	3250515	50.642	ug/l	100
79) 2-Chlorotoluene	12.67	91	1979295	51.287	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2458803	49.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131945	41.484	ug/l	91
82) 4-Chlorotoluene	12.77	91	1955782	50.752	ug/l	99
83) tert-Butylbenzene	12.99	119	2229444	49.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2488295	51.549	ug/l	100
85) sec-Butylbenzene	13.17	105	2776971	47.281	ug/l	100
86) p-Isopropyltoluene	13.29	119	2457796	47.699	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1362104	51.642	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1329607	51.315	ug/l	99
89) n-Butylbenzene	13.61	91	1845819	47.147	ug/l	100
90) Hexachloroethane	13.87	117	382555	44.838	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1367083	53.019	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	101546	52.069	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	690982	44.670	ug/l	99
94) Hexachlorobutadiene	15.01	225	394934	40.212	ug/l	100
95) Naphthalene	15.13	128	1493639	46.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	693003	50.584	ug/l	100

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

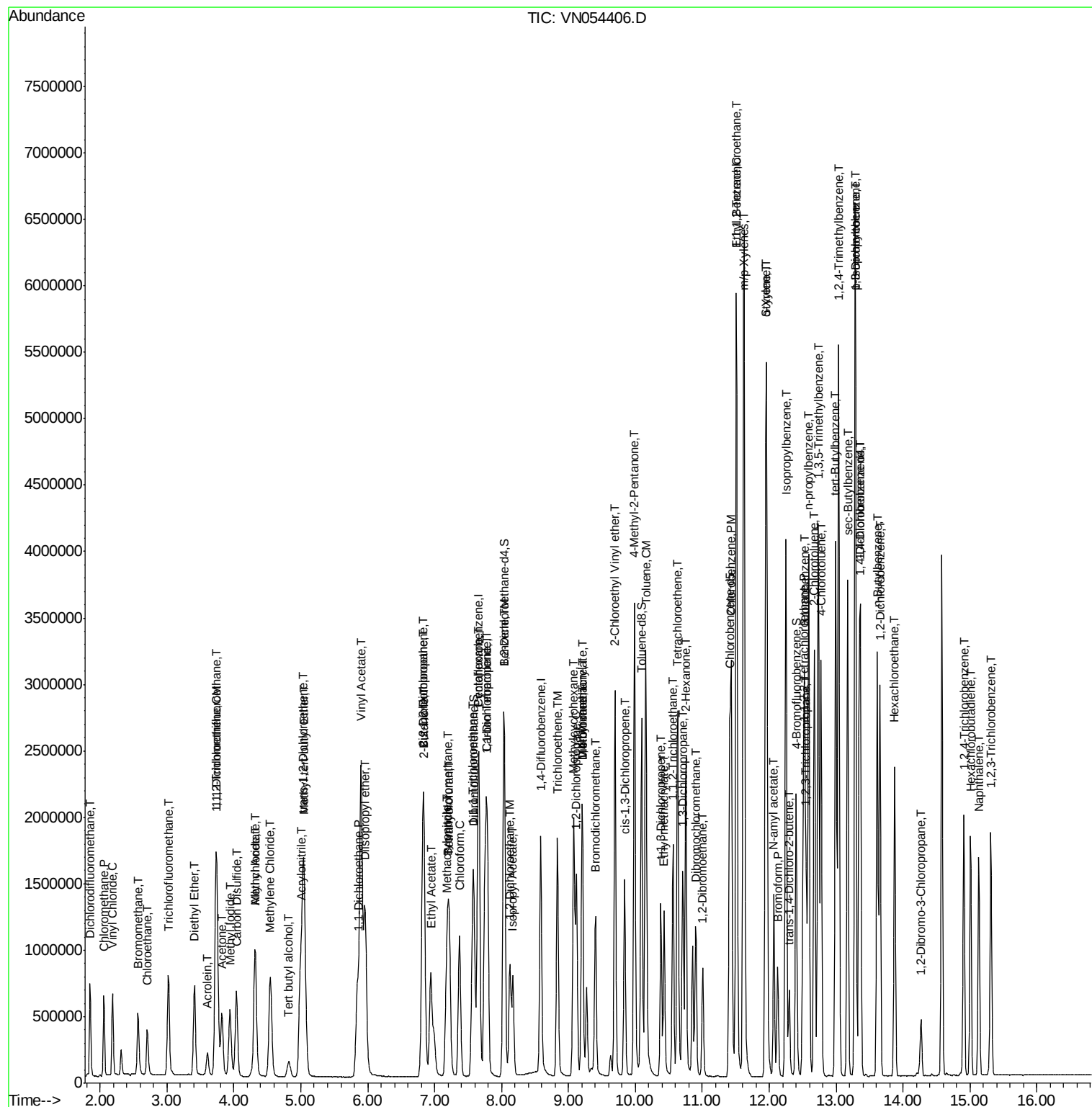
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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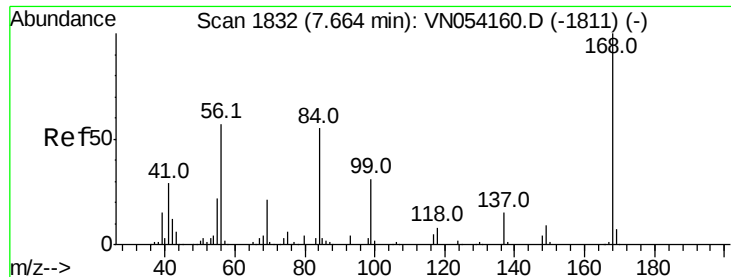
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1130902

Ion Ratio Lower Upper

168 100

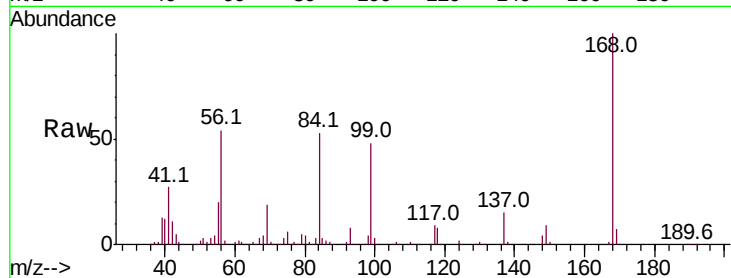
99 46.9 37.1 55.7

Manual Integrations

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3/19/2019 9:22:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

300000

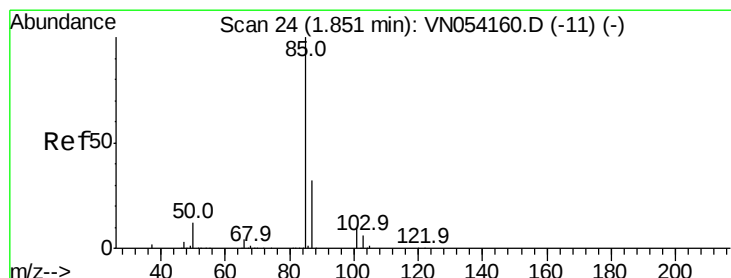
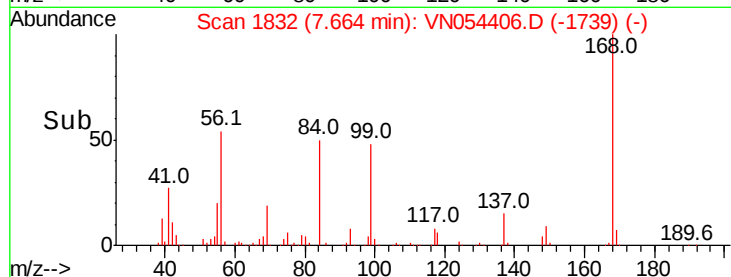
200000

100000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 50.961 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054406.D

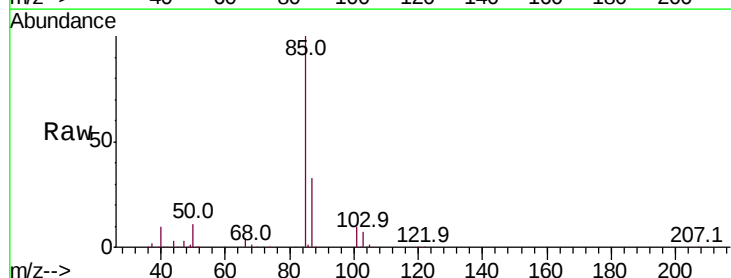
Acq: 18 Mar 2019 21:17

Tgt Ion: 85 Resp: 546202

Ion Ratio Lower Upper

85 100

87 33.0 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

400000

300000

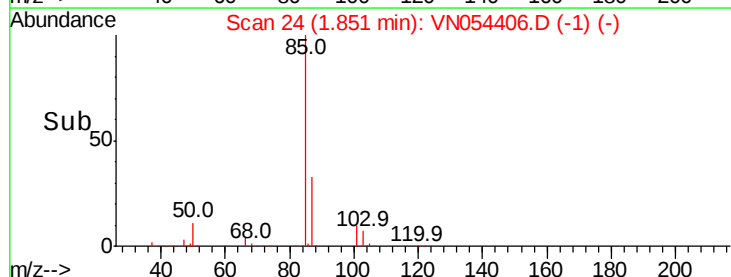
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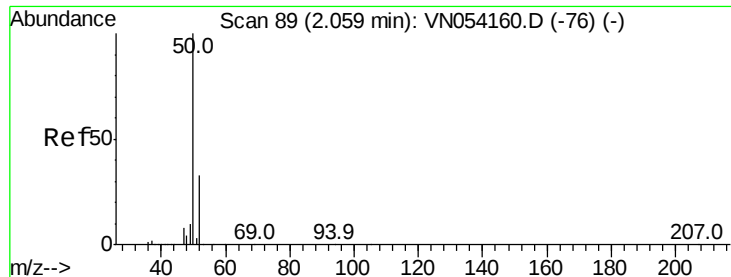
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 51.002 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 530996

Ion Ratio Lower Upper

50 100

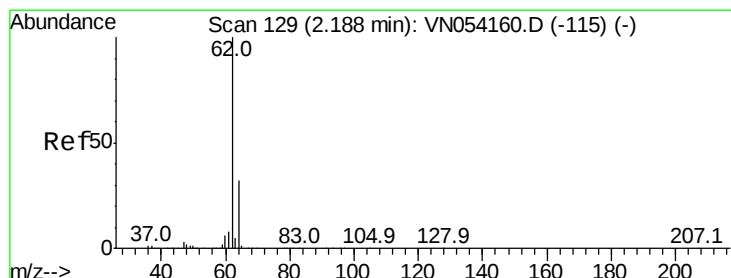
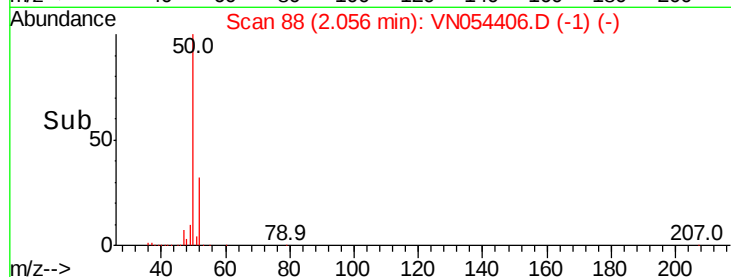
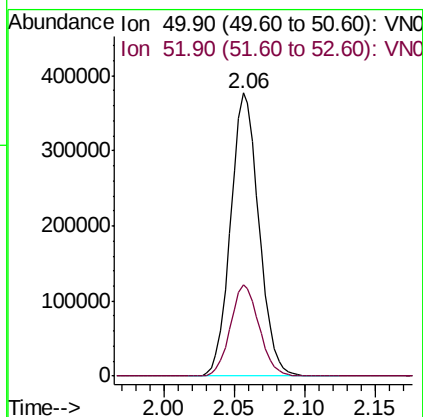
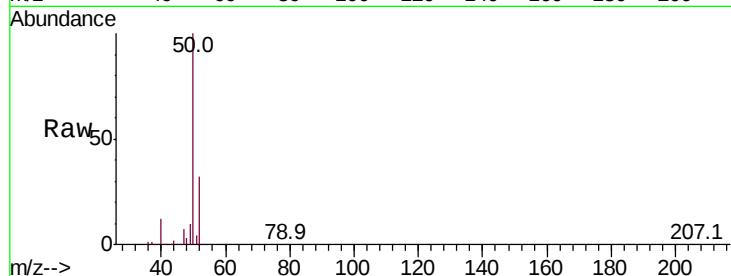
52 32.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.507 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054406.D

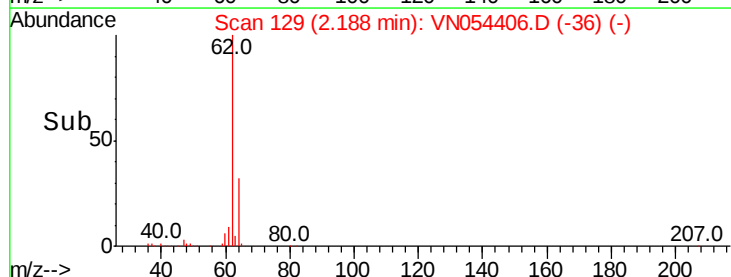
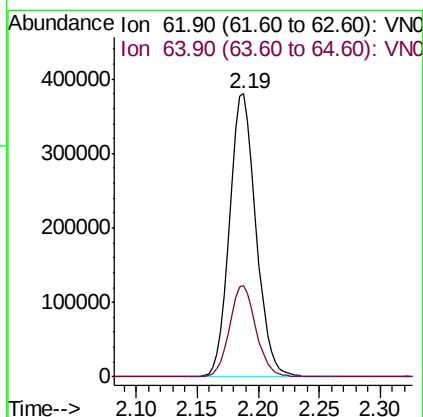
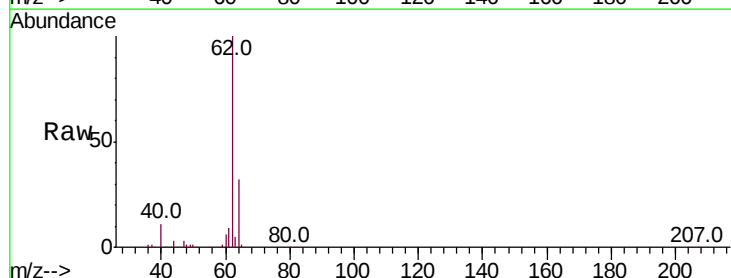
Acq: 18 Mar 2019 21:17

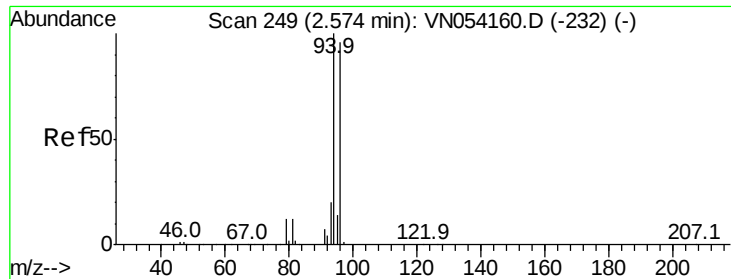
Tgt Ion: 62 Resp: 577222

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 40.288 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 332036

Ion Ratio Lower Upper

94 100

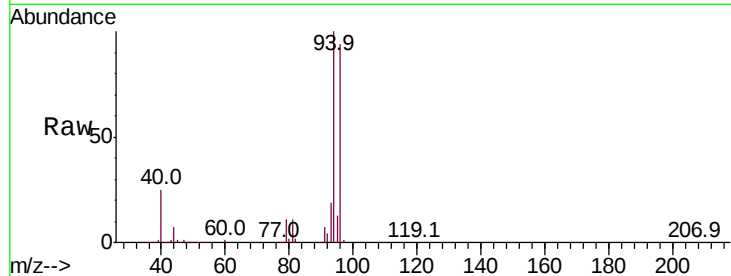
96 93.7 77.0 115.4

Manual Integrations

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3/19/2019 9:22:31 AM



Abundance Ion 93.90 (93.60 to 94.60): VN054406.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054406.D (-156) (-)

200000

150000

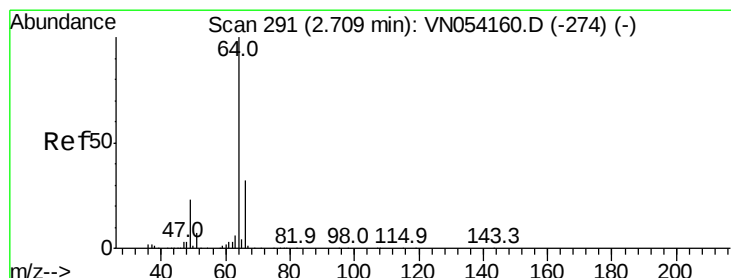
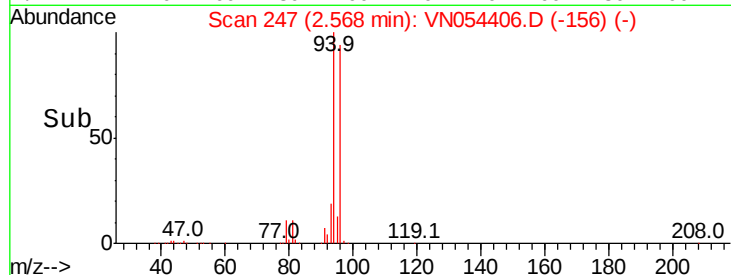
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50000

0

2.50 2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 48.065 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054406.D

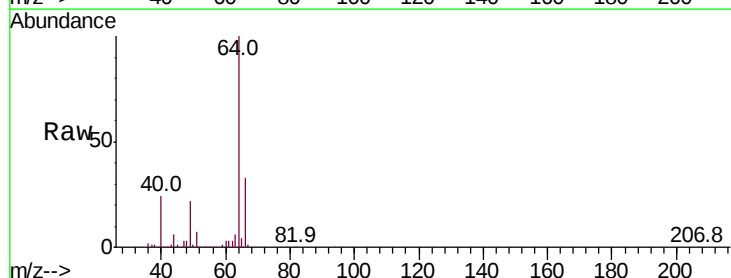
Acq: 18 Mar 2019 21:17

Tgt Ion: 64 Resp: 346066

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054406.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN054406.D (-198) (-)

200000

150000

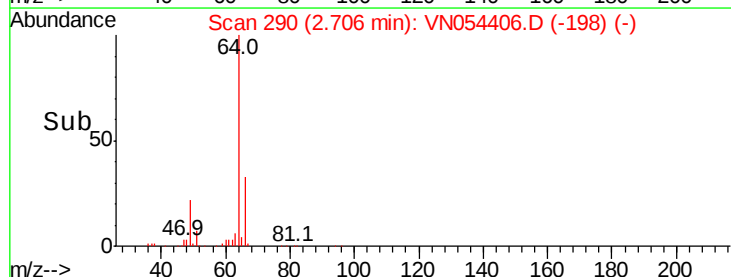
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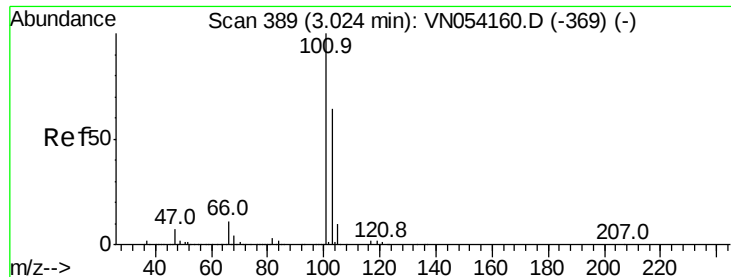
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2.60 2.65 2.70 2.75 2.80

Time-->





#7

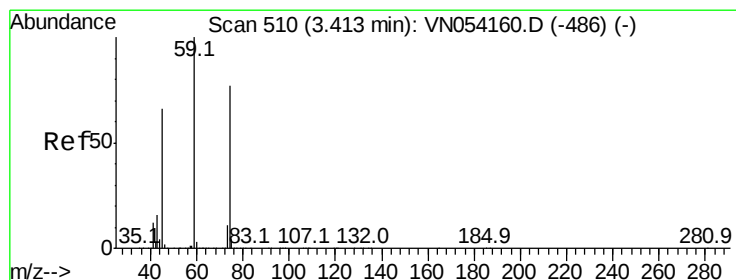
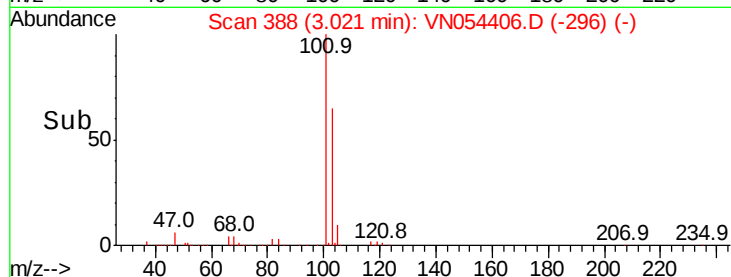
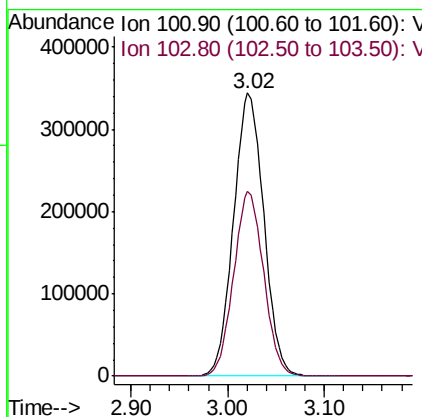
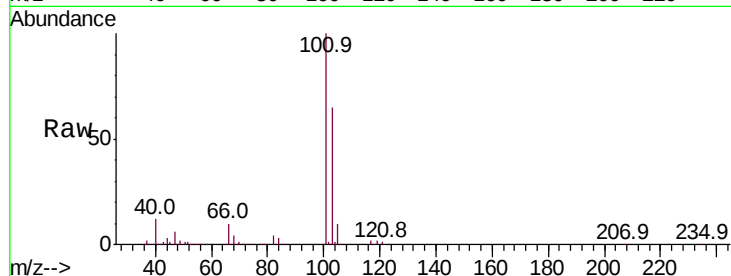
Trichlorofluoromethane
Concen: 47.291 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.4	77.2

Manual Integrations
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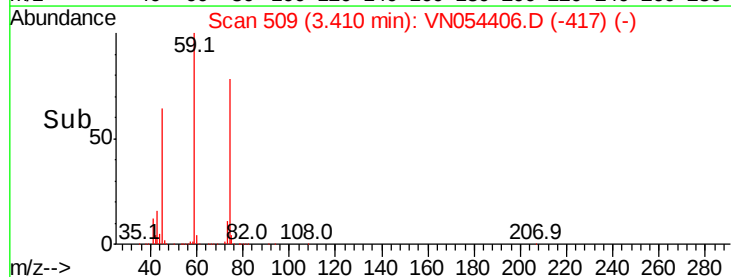
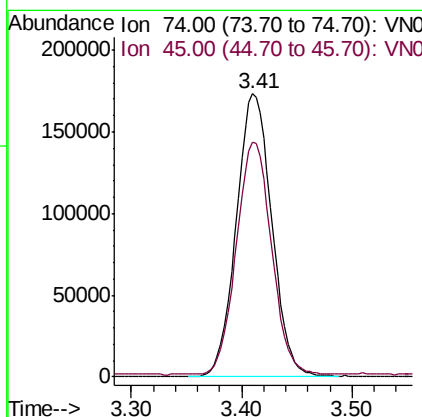
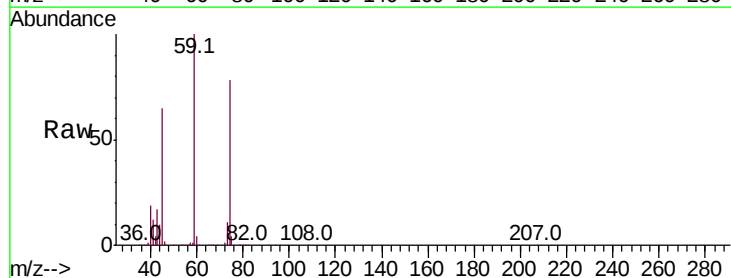
MMDadoda
3/19/2019 9:22:31 AM

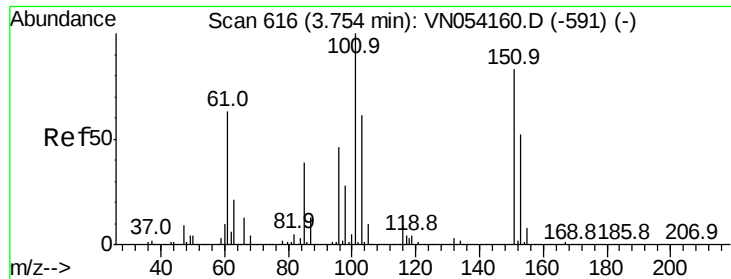


#8

Diethyl Ether
Concen: 53.669 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054406.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.8	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.811 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

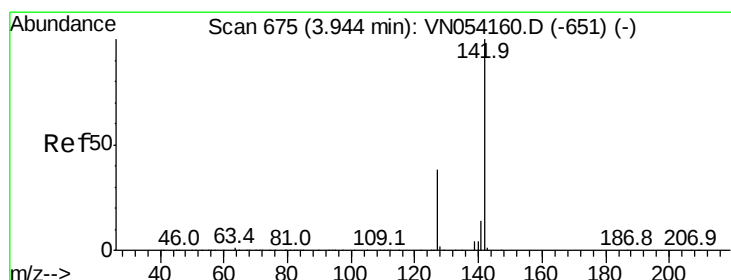
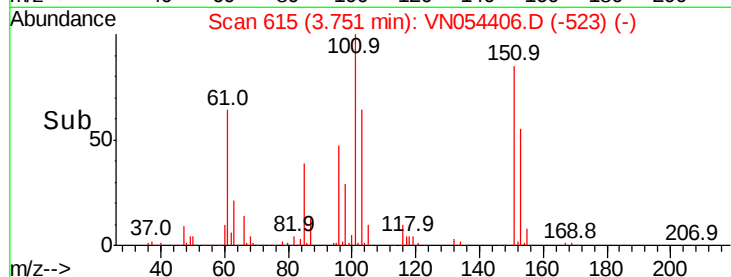
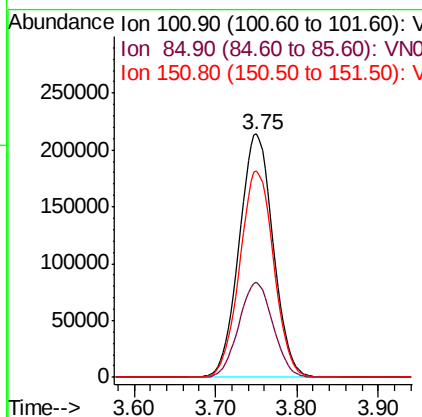
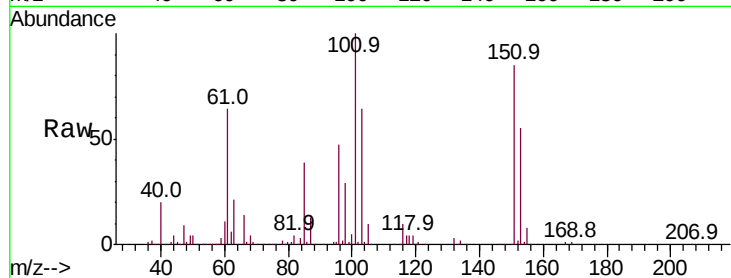
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	614259
Ion Ratio	Lower	Upper	
101	100		
85	39.4	32.4	48.6
151	85.1	68.2	102.2

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#10

Methyl Iodide

Concen: 47.559 ug/l

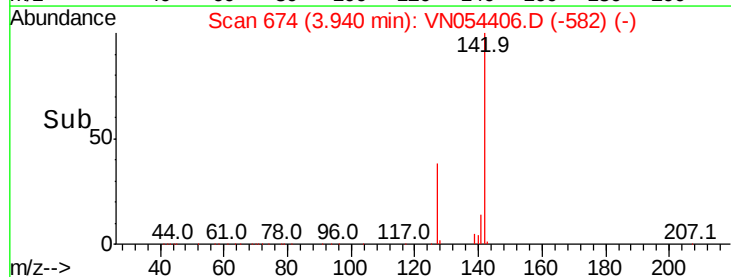
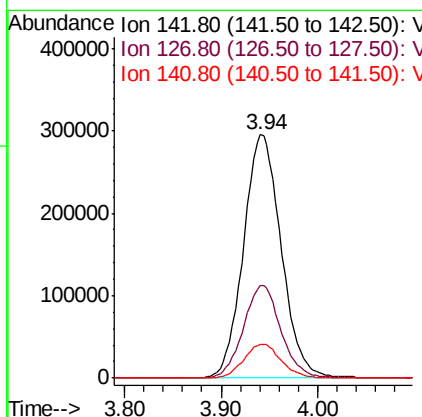
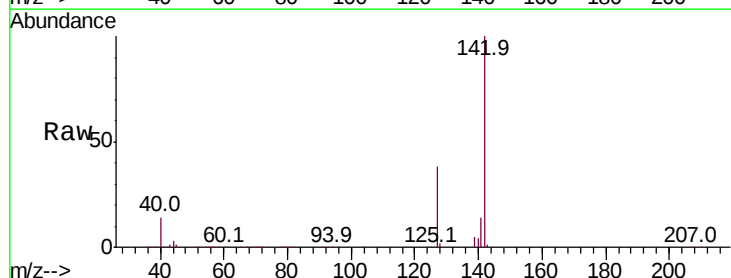
RT: 3.94 min Scan# 674

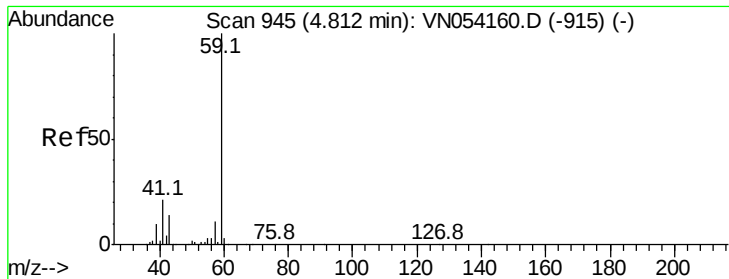
Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:	142	Resp:	799467
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.3	45.5
141	13.9	11.2	16.8





#11

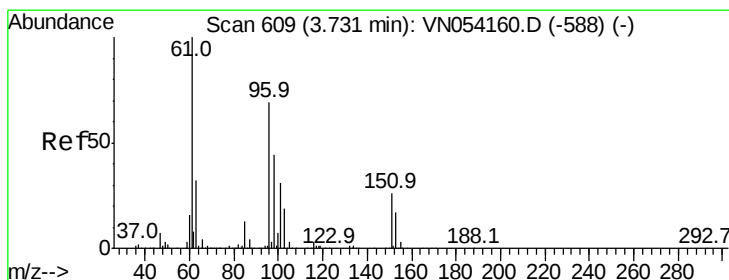
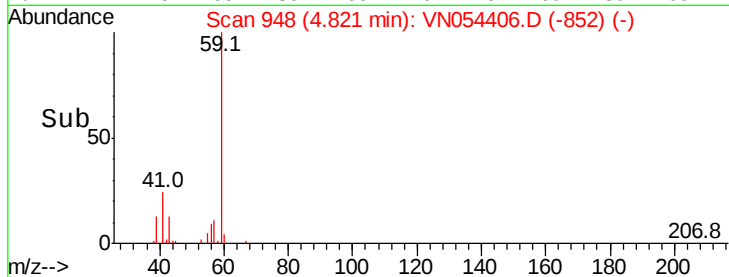
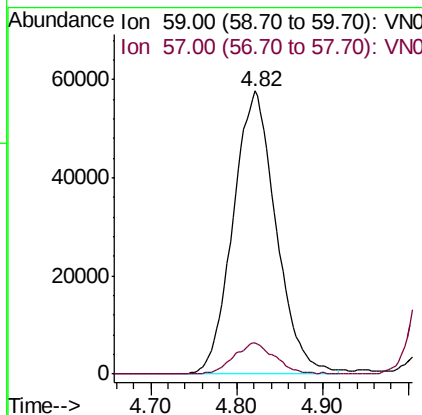
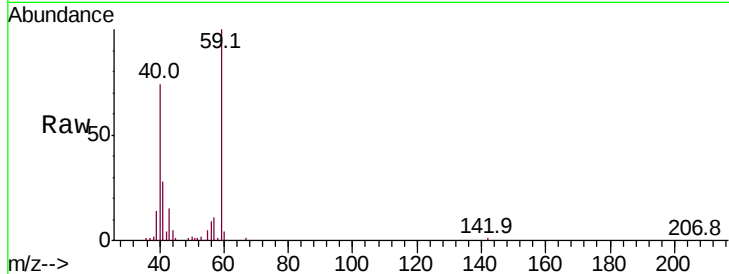
Tert butyl alcohol
 Concen: 243.532 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.6

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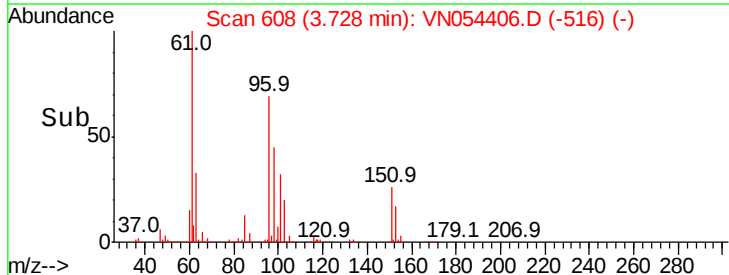
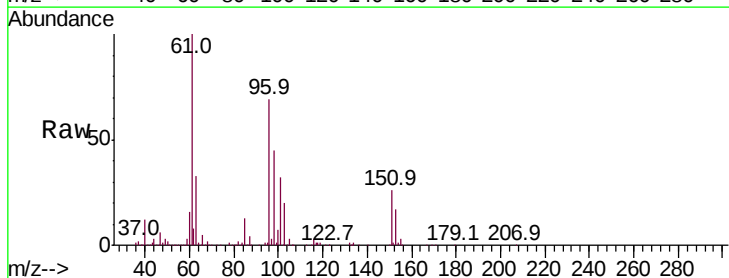
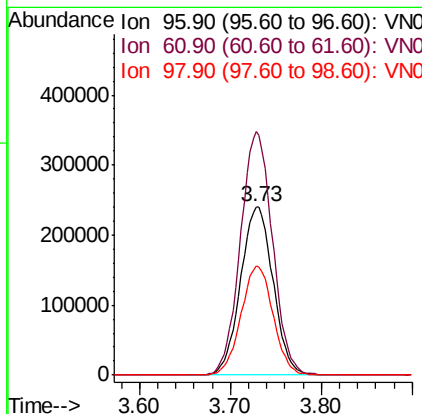
MMDadoda
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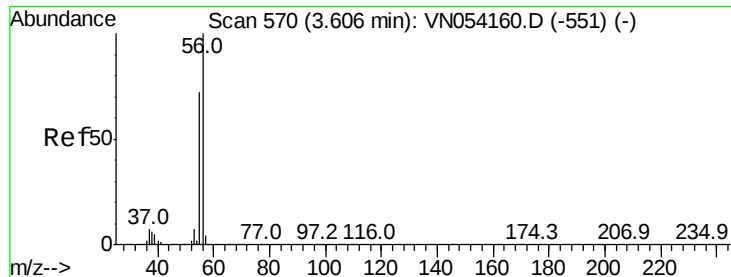


#12

1,1-Dichloroethene
 Concen: 50.985 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	116.5	174.7
98	64.7	51.0	76.4





#13

Acrolein

Concen: 247.986 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 193478

Ion Ratio Lower Upper

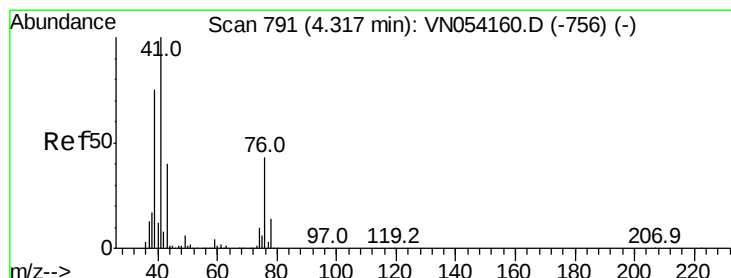
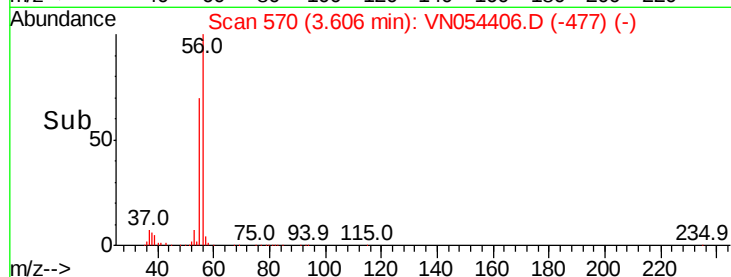
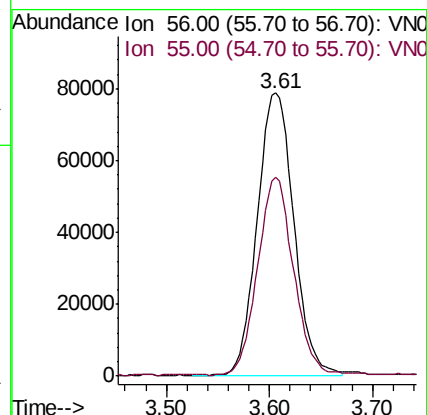
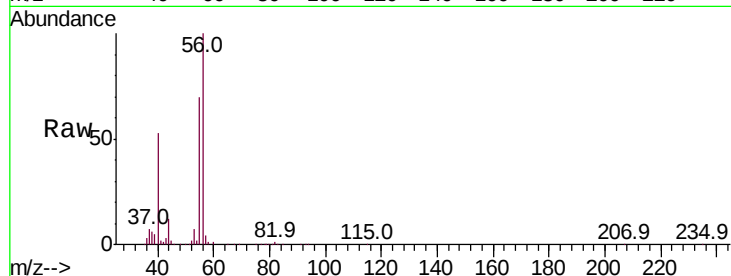
56 100

55 69.0 56.7 85.1

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#14

Allyl chloride

Concen: 50.879 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

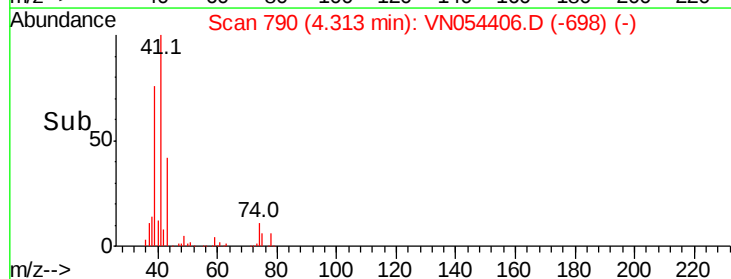
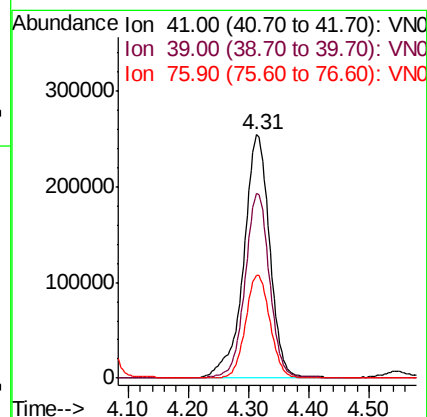
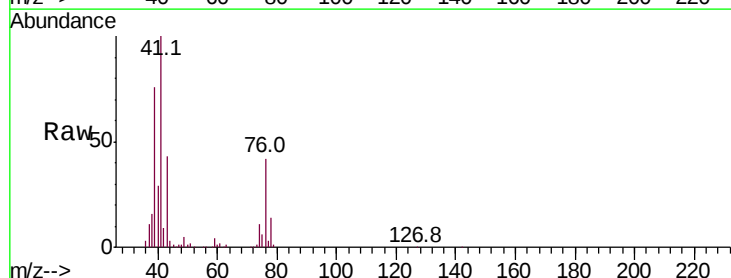
Tgt Ion: 41 Resp: 766960

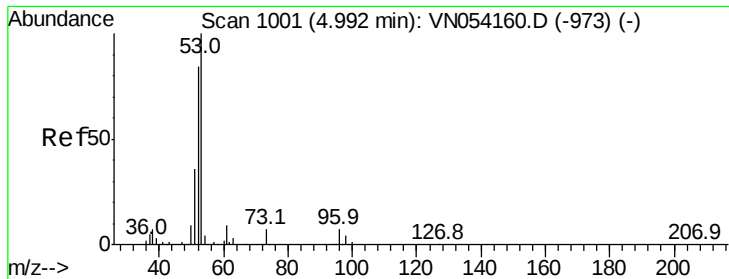
Ion Ratio Lower Upper

41 100

39 71.3 58.2 87.4

76 39.4 31.7 47.5





#15

Acrylonitrile

Concen: 288.481 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

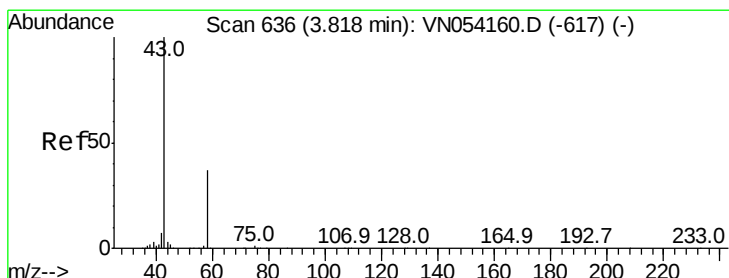
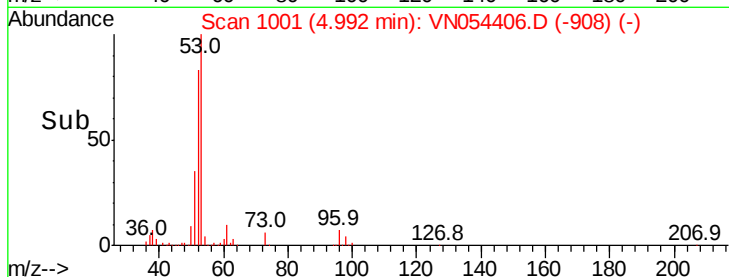
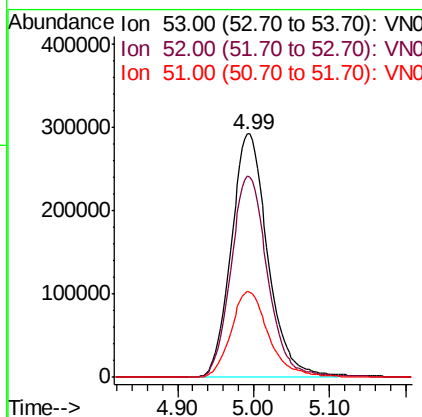
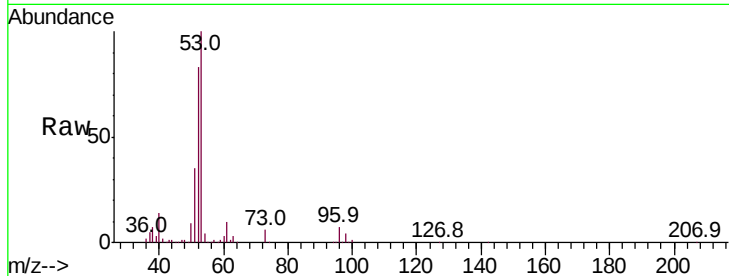
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	975668
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.4	99.6
51	36.7	29.6	44.4

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#16

Acetone

Concen: 201.446 ug/l

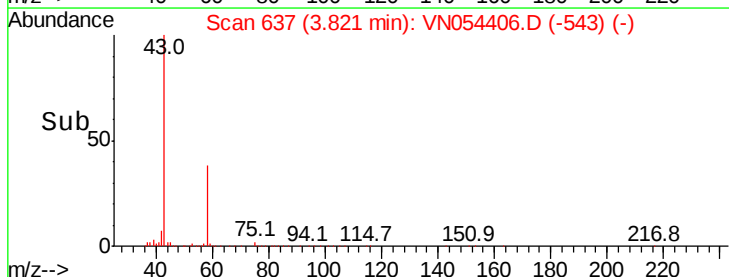
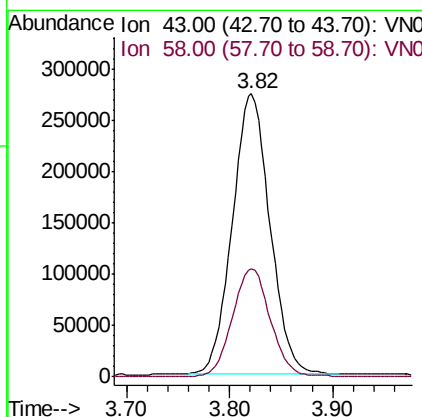
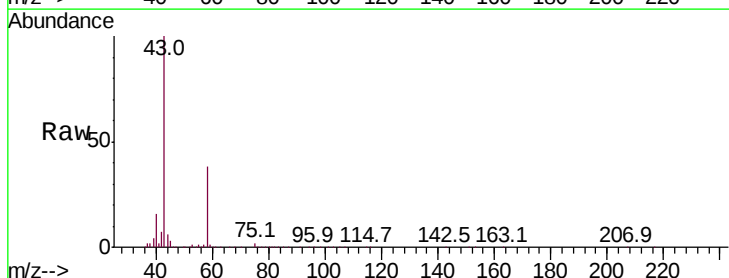
RT: 3.82 min Scan# 637

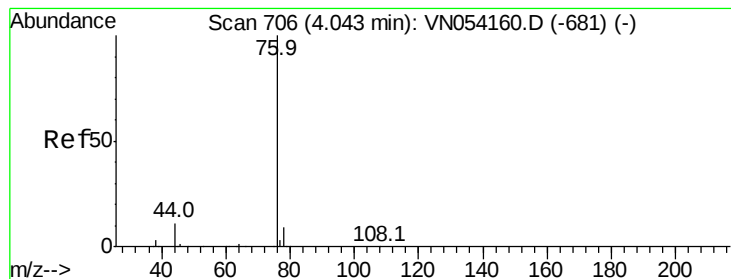
Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:	43	Resp:	692731
Ion	Ratio	Lower	Upper
43	100		
58	38.4	29.9	44.9





#17

Carbon Disulfide

Concen: 42.849 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1262016

Ion Ratio Lower Upper

76 100

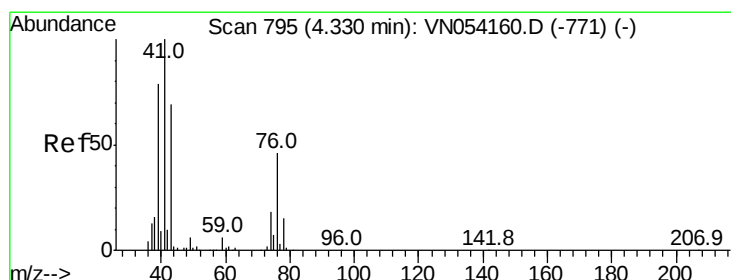
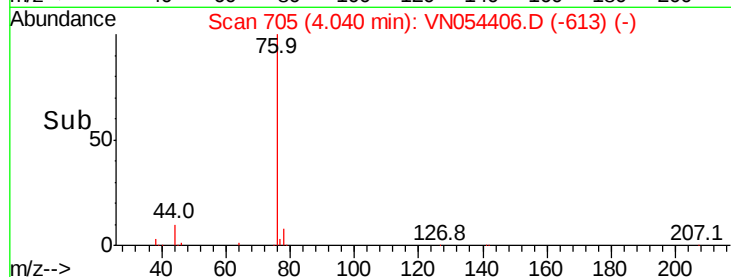
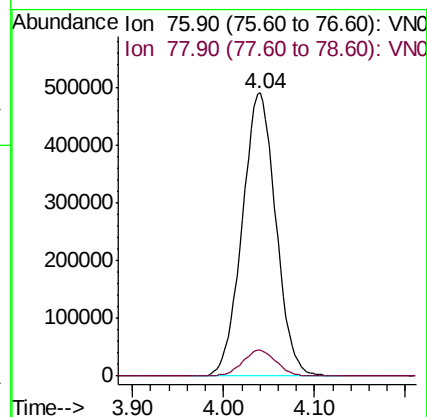
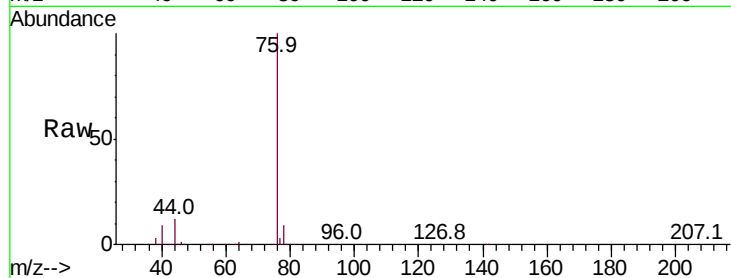
78 9.1 7.5 11.3

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#18

Methyl Acetate

Concen: 66.630 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054406.D

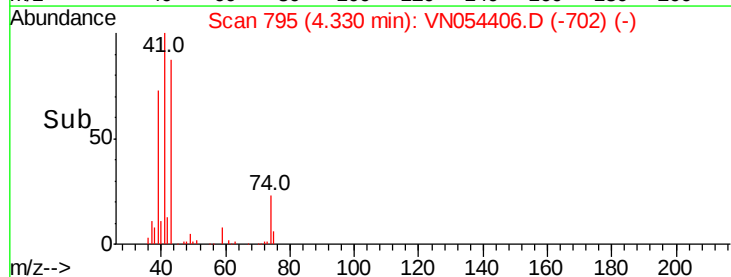
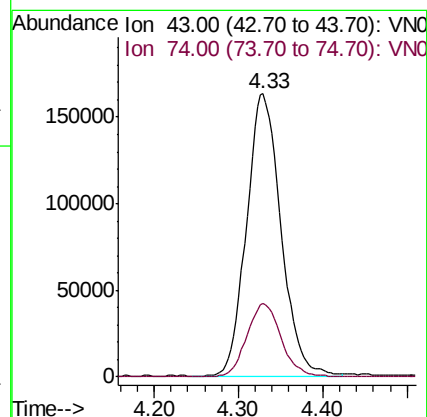
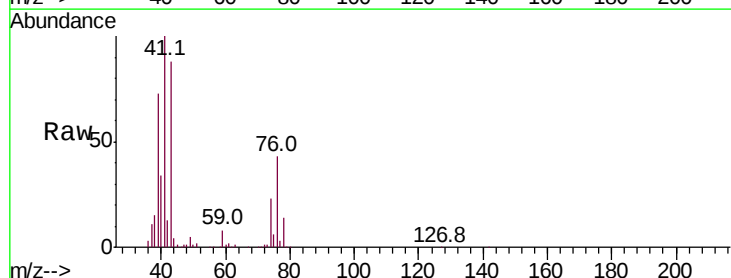
Acq: 18 Mar 2019 21:17

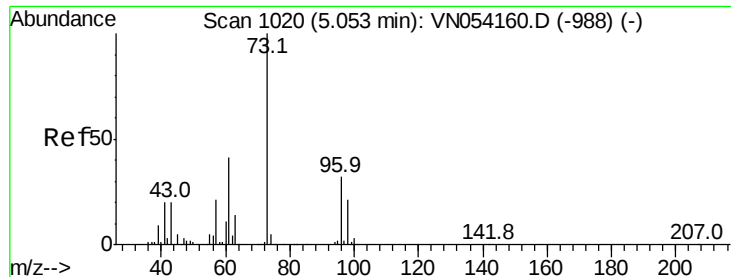
Tgt Ion: 43 Resp: 463567

Ion Ratio Lower Upper

43 100

74 26.0 20.8 31.2





#19

Methyl tert-butyl Ether

Concen: 54.403 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 73 Resp: 1584303

Ion Ratio Lower Upper

73 100

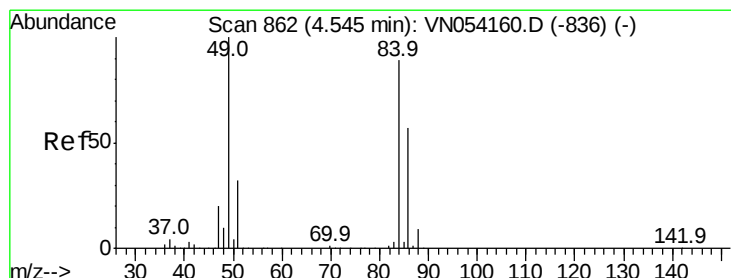
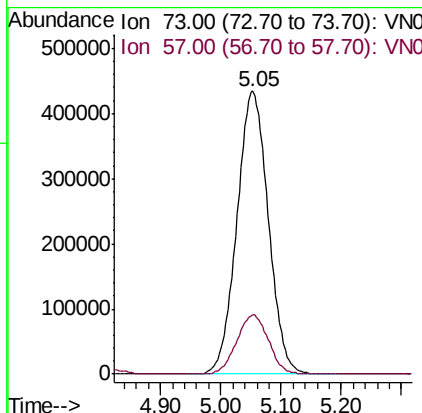
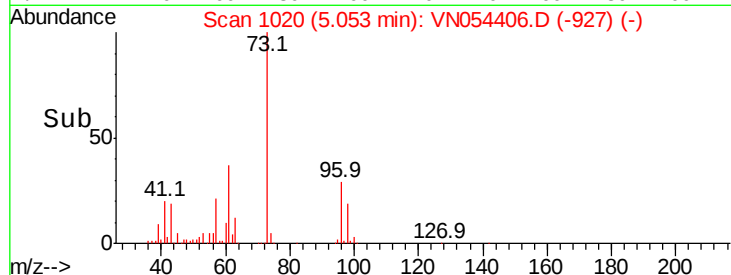
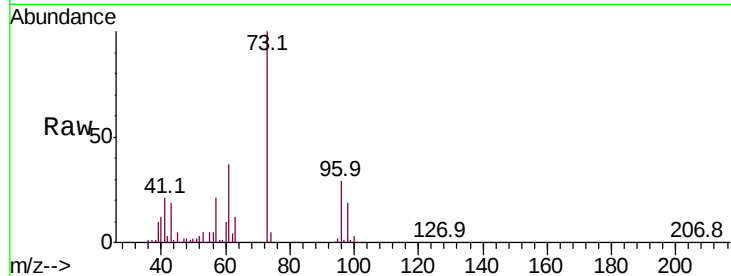
57 20.8 16.8 25.2

Manual Integrations

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#20

Methylene Chloride

Concen: 53.999 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion: 84 Resp: 609722

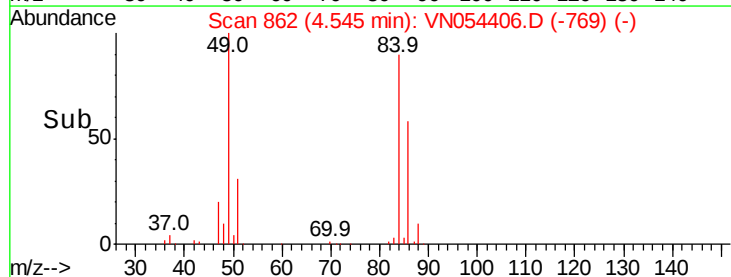
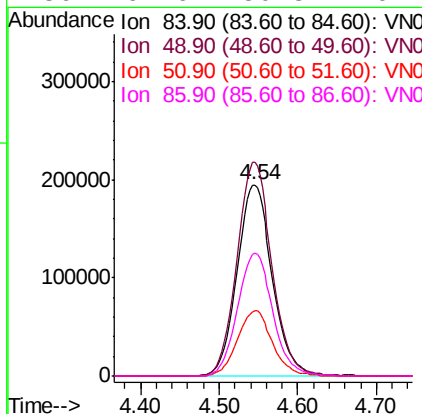
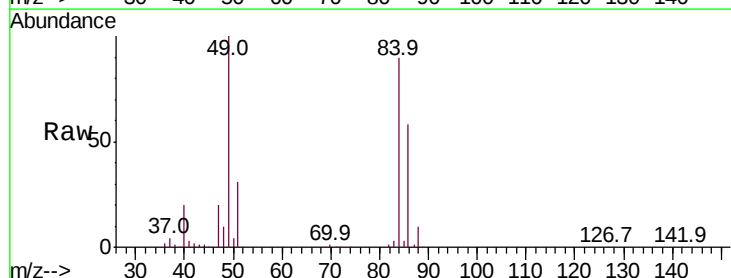
Ion Ratio Lower Upper

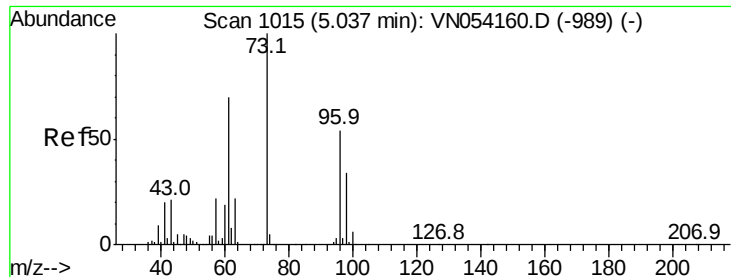
84 100

49 111.7 89.7 134.5

51 34.2 28.2 42.4

86 64.6 50.8 76.2





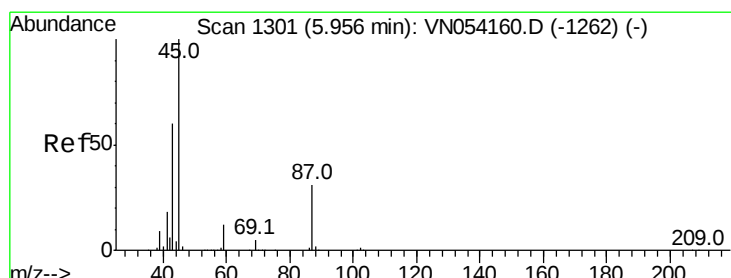
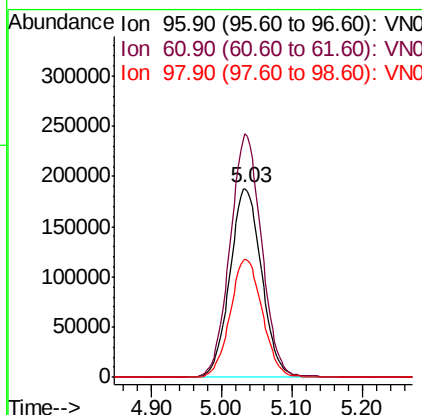
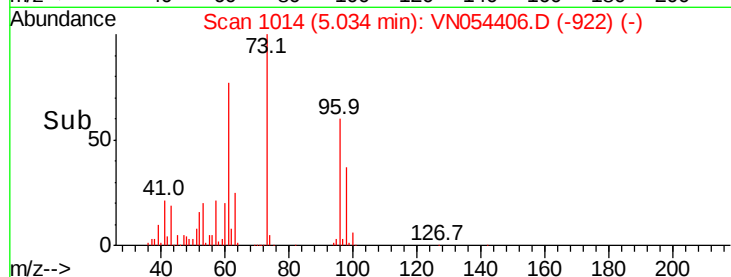
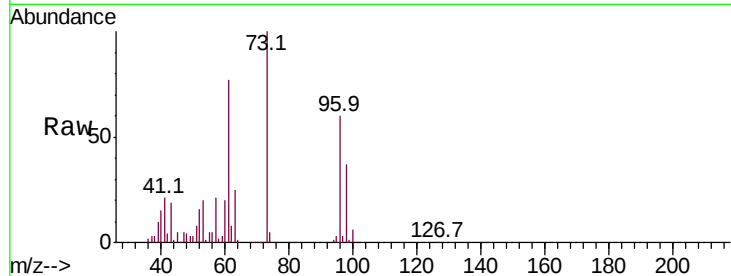
#21
trans-1,2-Dichloroethene
Concen: 52.507 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	102.8	154.2
98	62.3	50.0	75.0

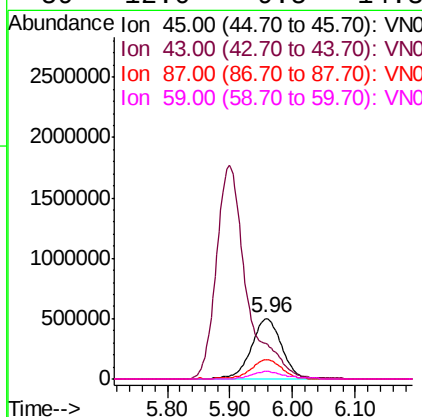
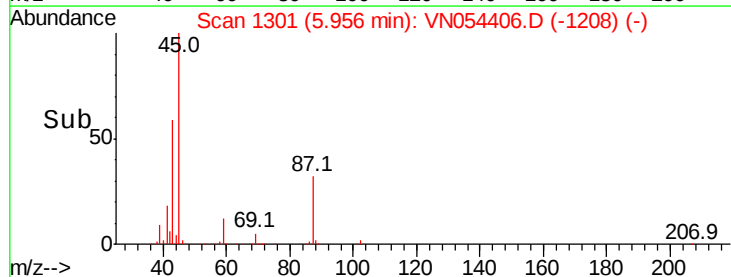
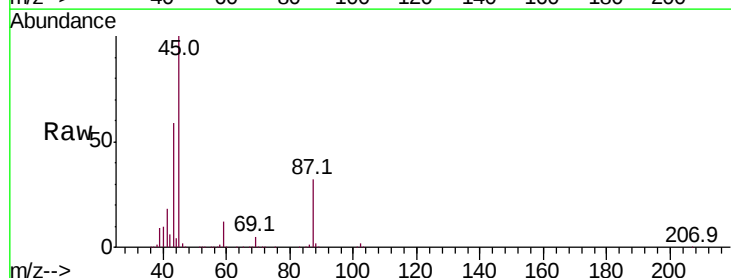
Manual Integrations
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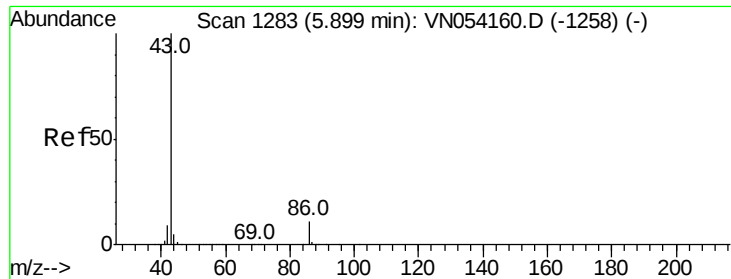
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#22
Diisopropyl ether
Concen: 56.362 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.2	72.2
87	32.1	24.9	37.3
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 269.182 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

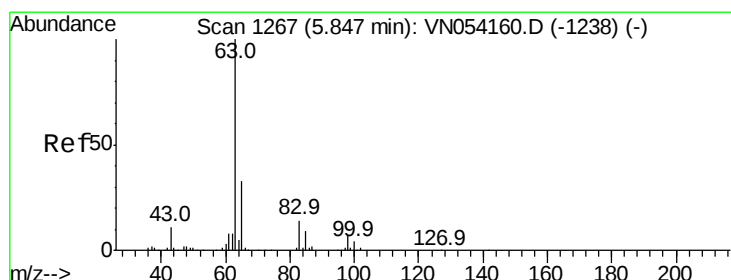
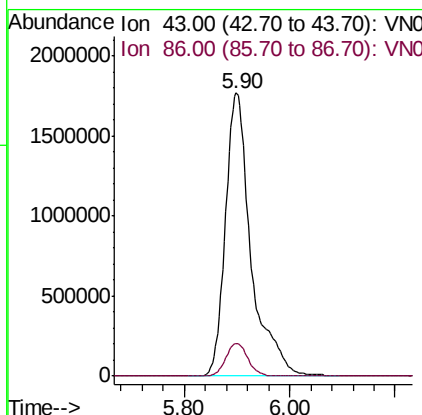
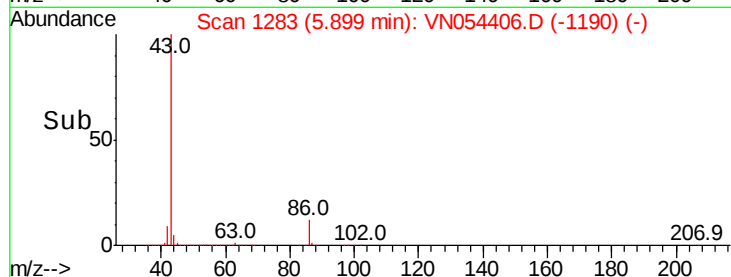
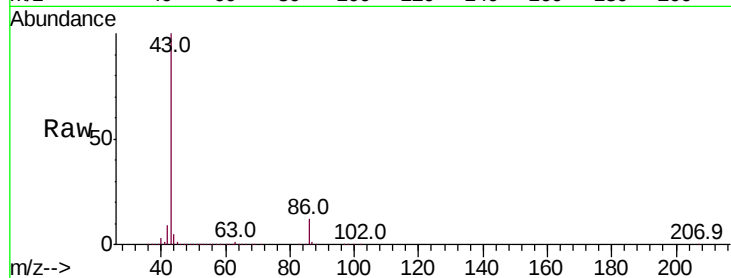
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 5971034

Ion	Ratio	Lower	Upper
43	100		
86	11.7	9.1	13.7

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 54.826 ug/l

RT: 5.85 min Scan# 1267

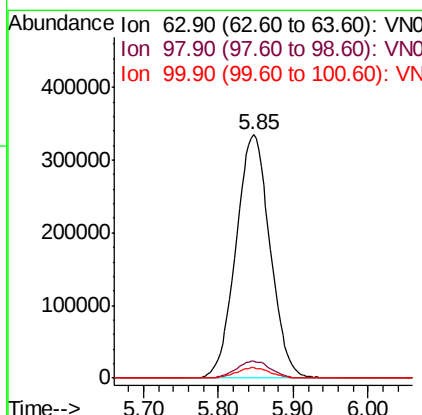
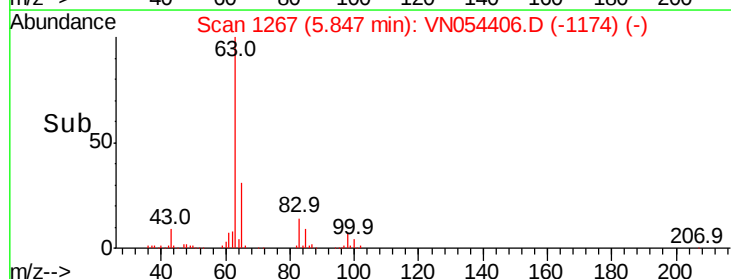
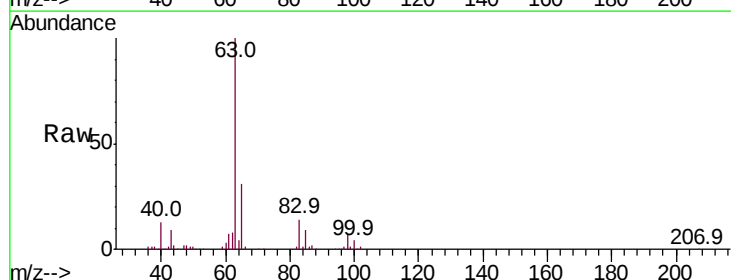
Delta R.T. 0.00 min

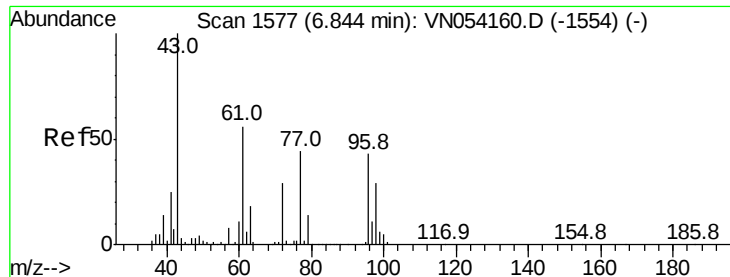
Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion: 63 Resp: 1059081

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.5
100	4.3	2.0	6.0





#25

2-Butanone

Concen: 281.494 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1136136

Ion Ratio Lower Upper

43 100

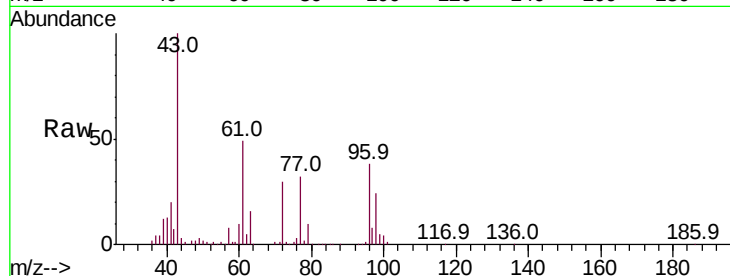
72 29.8 23.0 34.6

Manual Integrations

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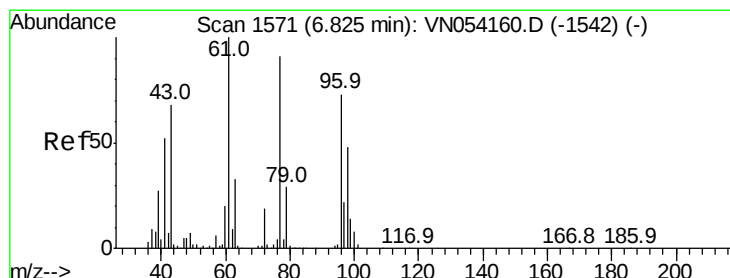
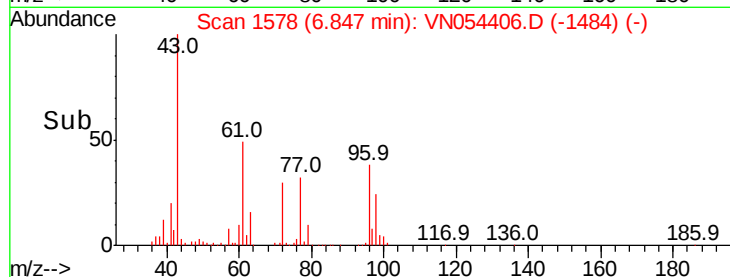
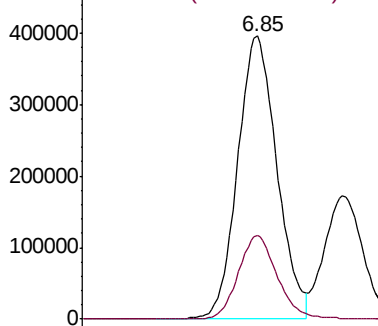
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 42.470 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054406.D

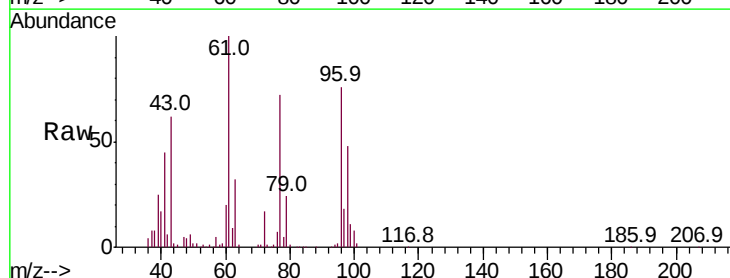
Acq: 18 Mar 2019 21:17

Tgt Ion: 77 Resp: 721468

Ion Ratio Lower Upper

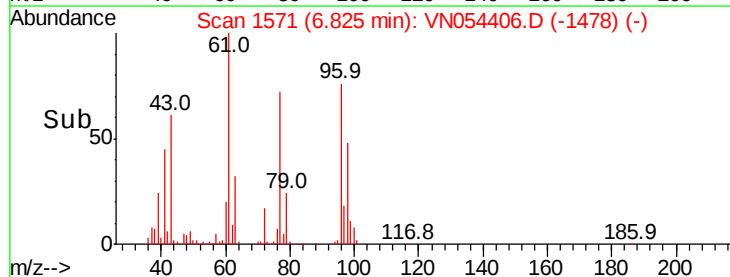
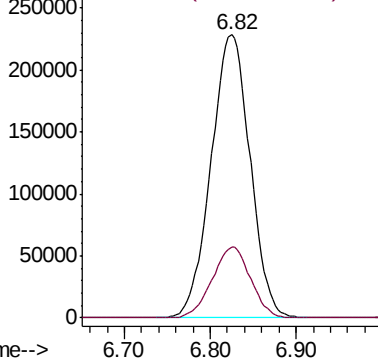
77 100

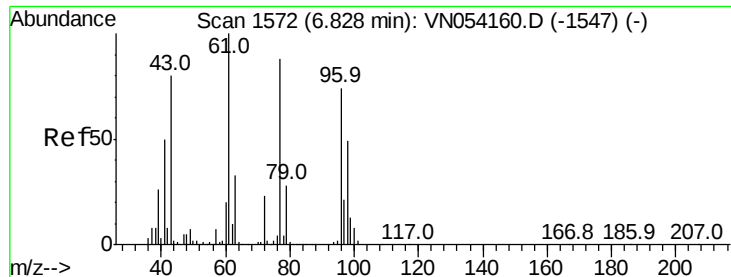
97 24.6 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 55.637 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

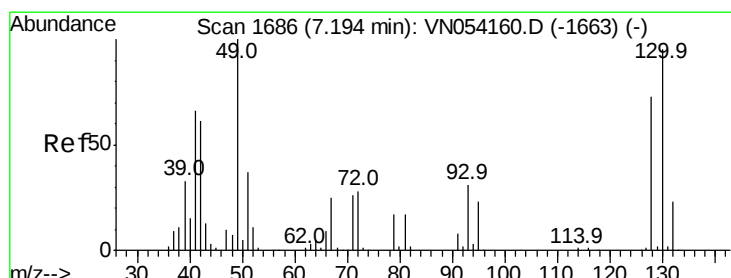
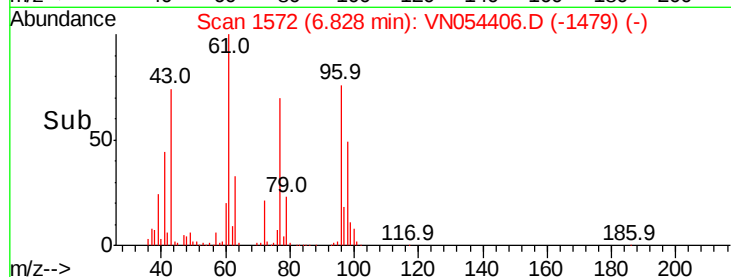
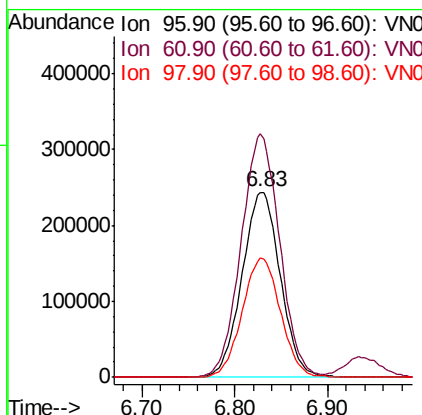
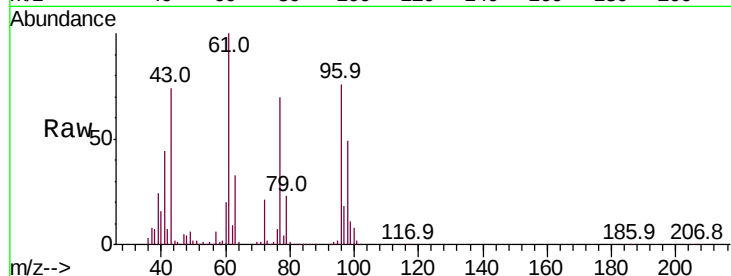
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	698706
Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	273.0
98	64.6	0.0	130.6

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#28

Bromochloromethane

Concen: 54.055 ug/l

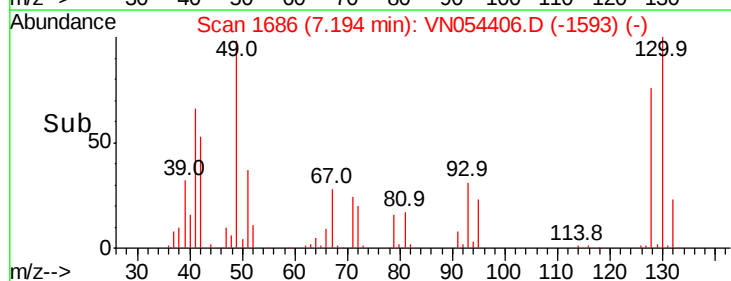
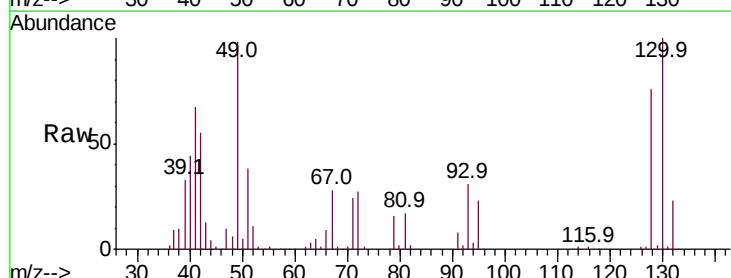
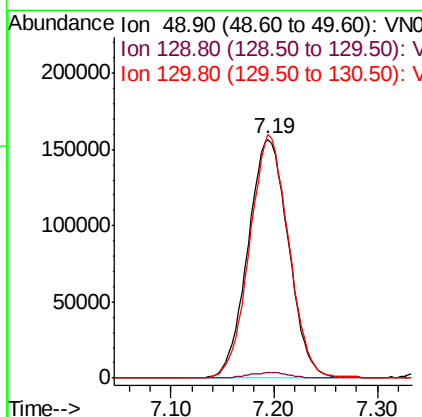
RT: 7.19 min Scan# 1686

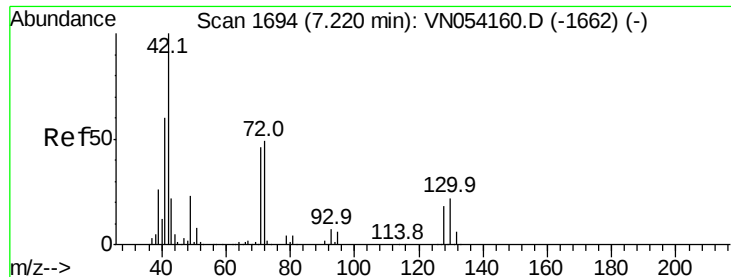
Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:	49	Resp:	426879
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	98.3	76.7	115.1





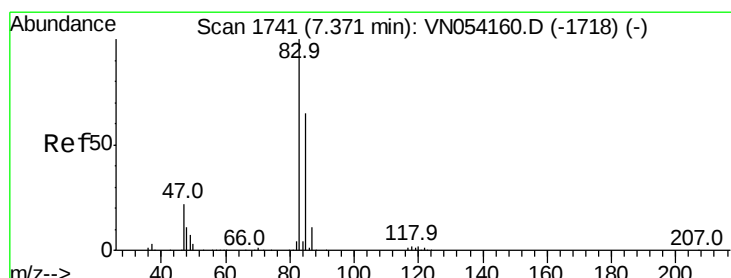
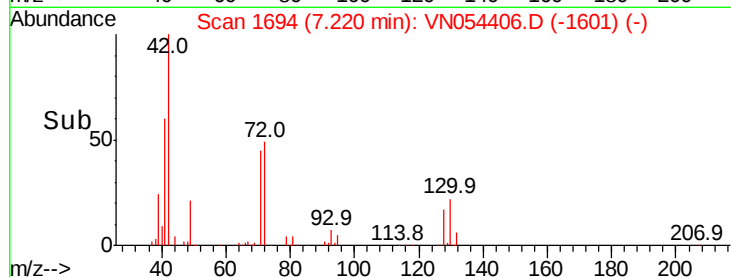
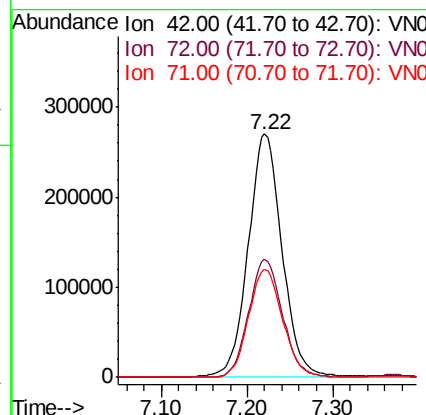
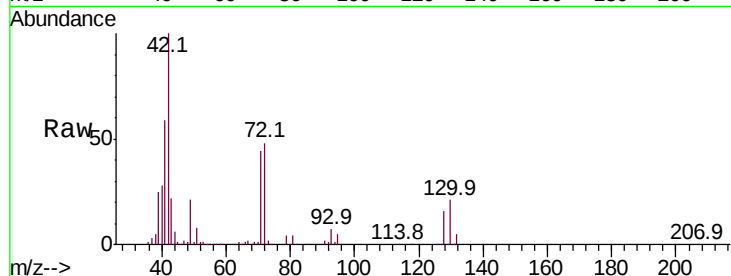
#29
Tetrahydrofuran
Concen: 283.094 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	37.8	56.6
71	45.0	36.2	54.2

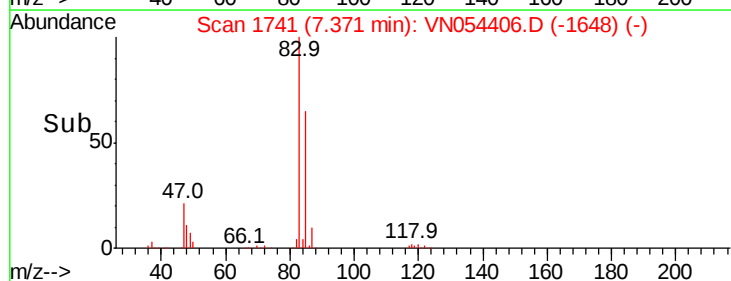
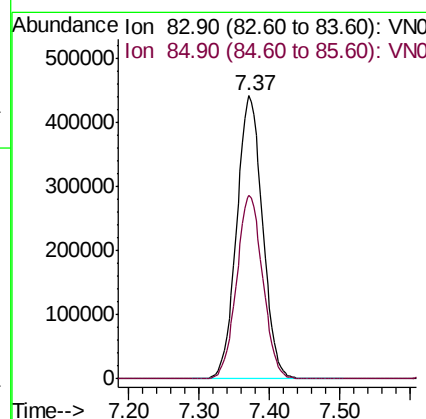
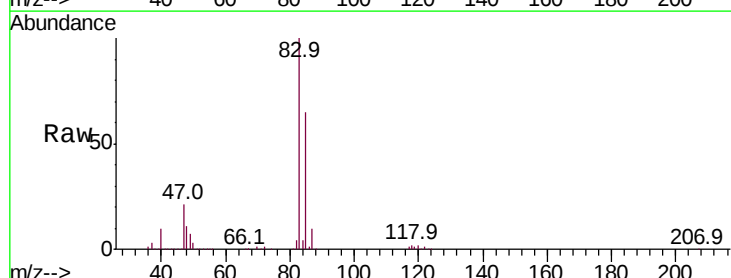
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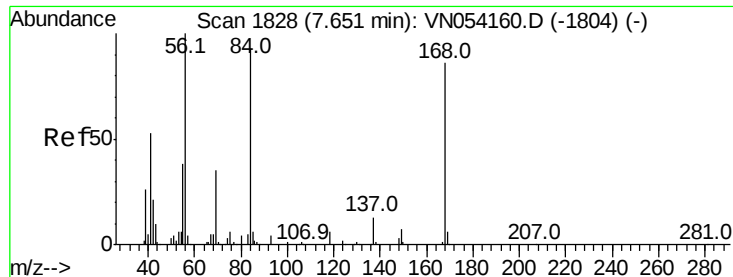
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#30
Chloroform
Concen: 56.204 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.2	78.4





#31

Cyclohexane

Concen: 50.386 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 909799

Ion Ratio Lower Upper

56 100

69 34.2 27.8 41.6

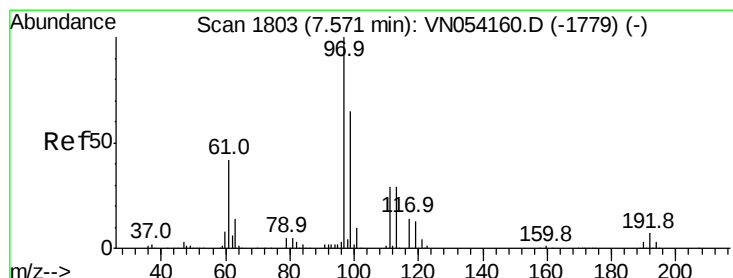
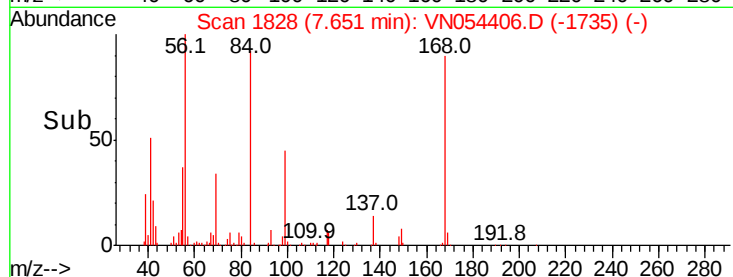
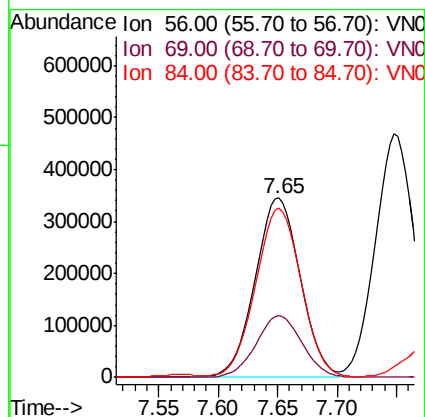
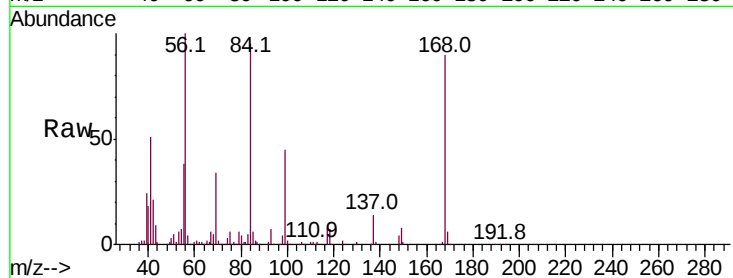
84 93.1 74.6 111.8

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#32

1,1,1-Trichloroethane

Concen: 52.318 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

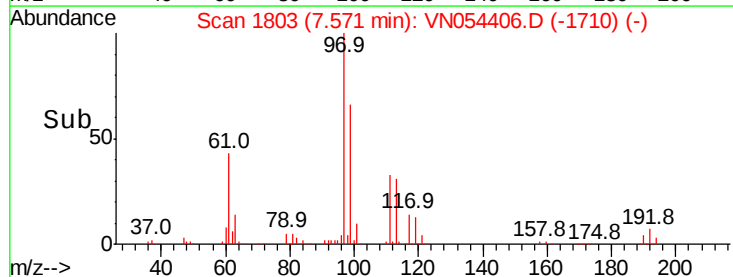
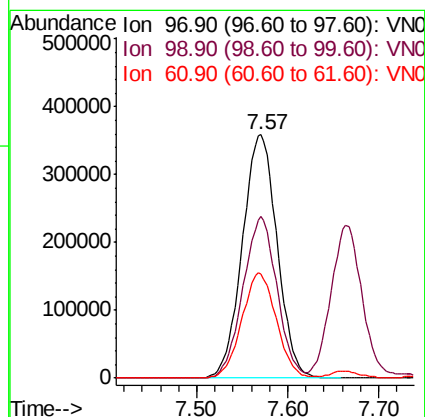
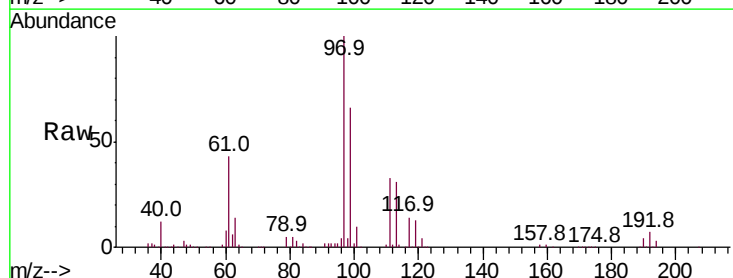
Tgt Ion: 97 Resp: 952438

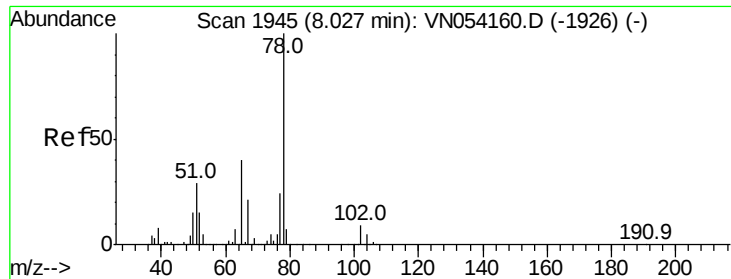
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 42.8 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 51.843 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 622640

Ion Ratio Lower Upper

65 100

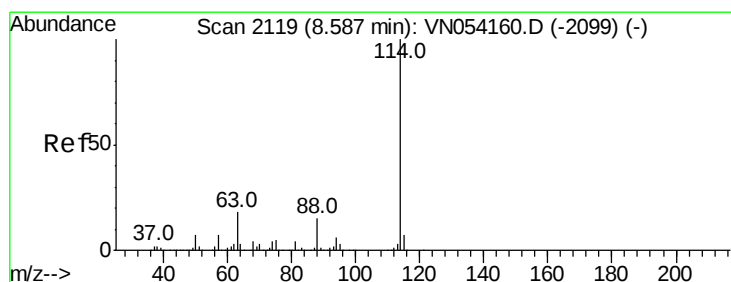
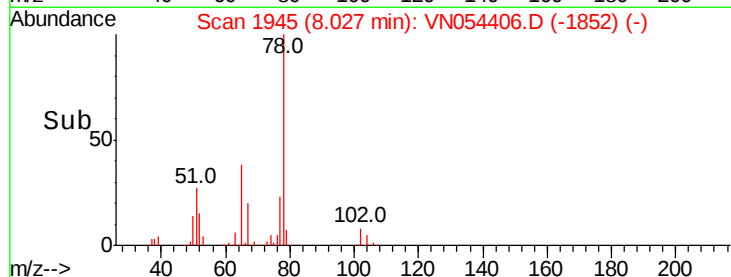
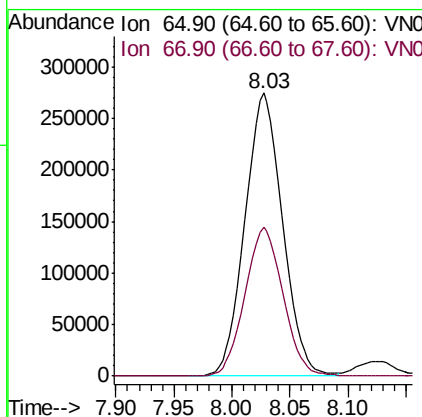
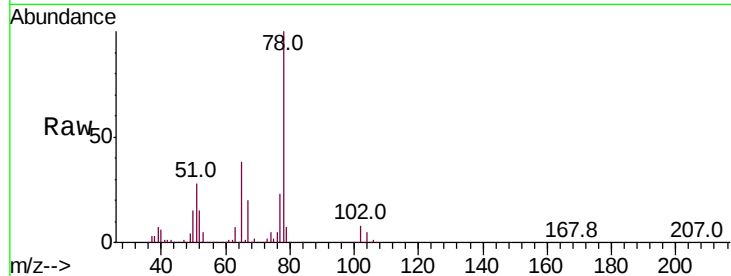
67 53.2 0.0 104.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

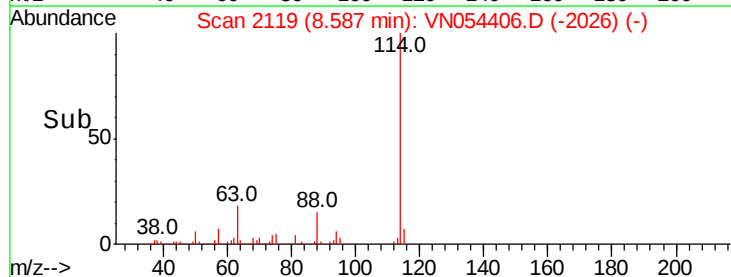
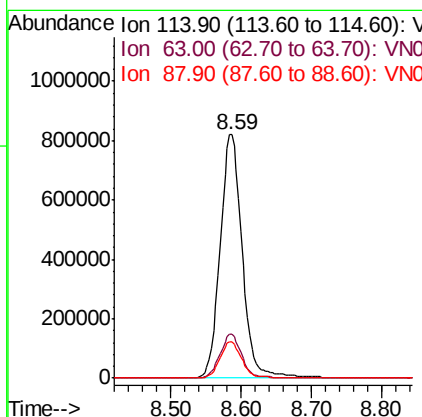
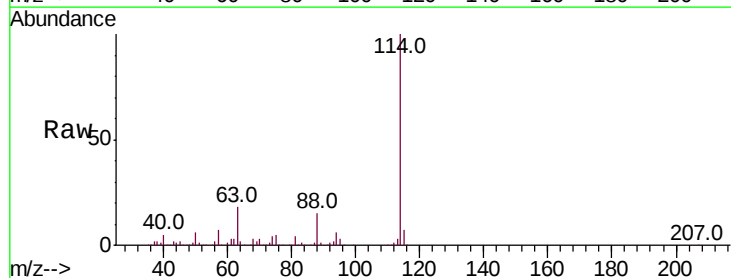
Tgt Ion: 114 Resp: 1792374

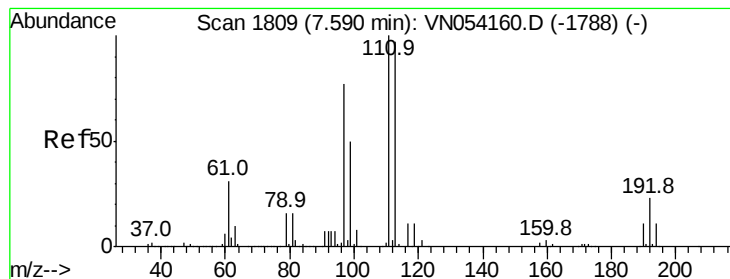
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.2

88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.367 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 593805

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

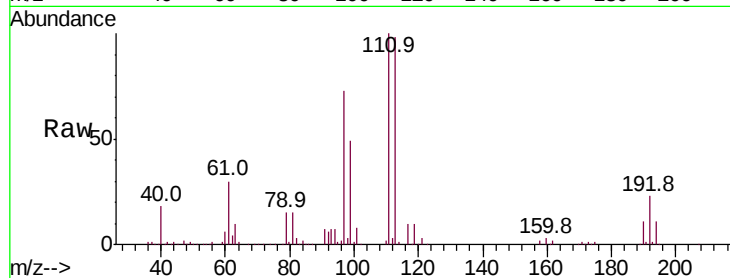
192 23.6 19.2 28.8

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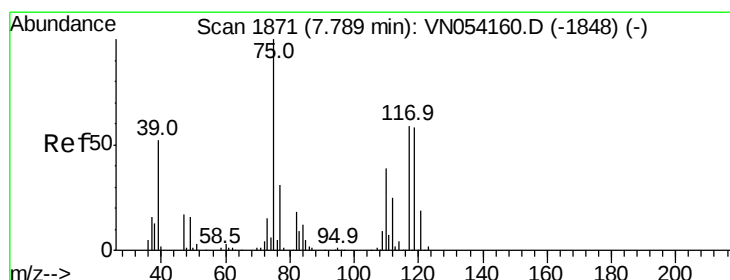
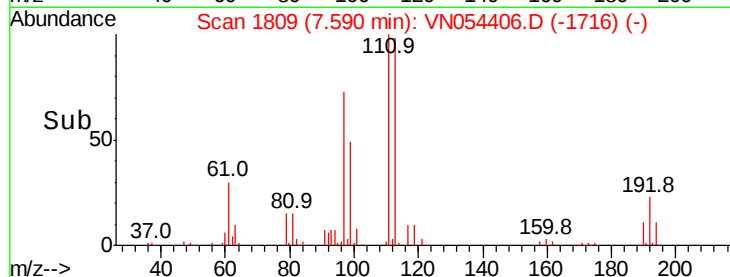
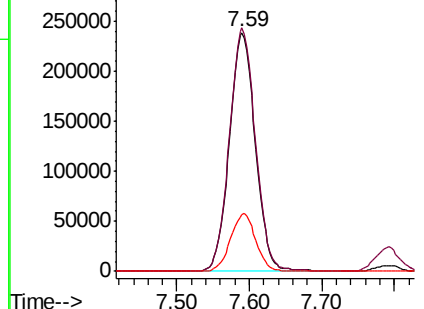
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.813 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

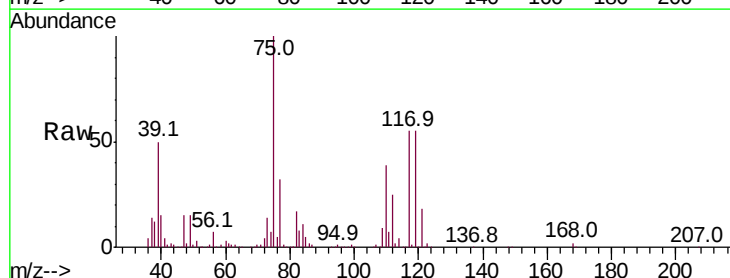
Tgt Ion: 75 Resp: 822232

Ion Ratio Lower Upper

75 100

110 38.0 19.1 57.5

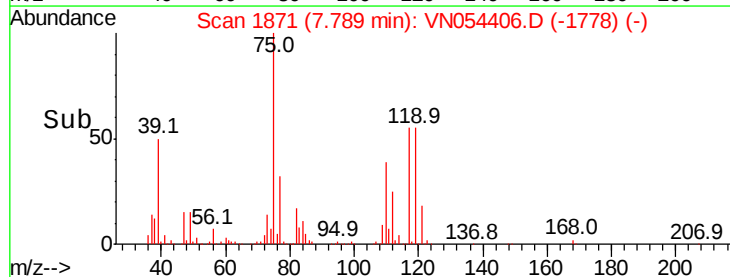
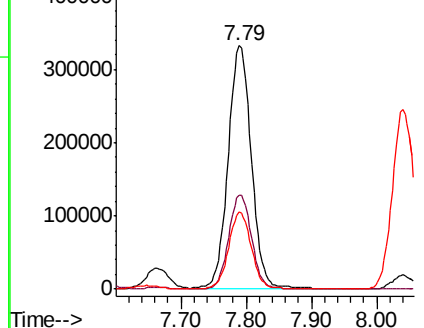
77 31.2 25.0 37.4

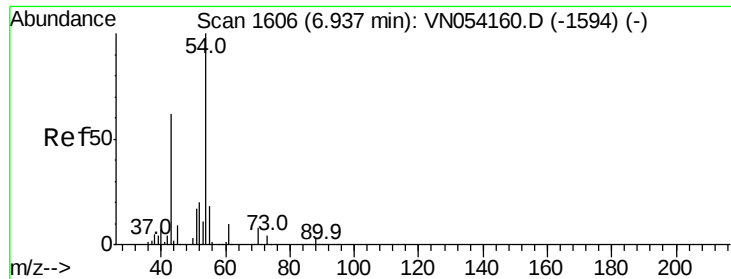


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





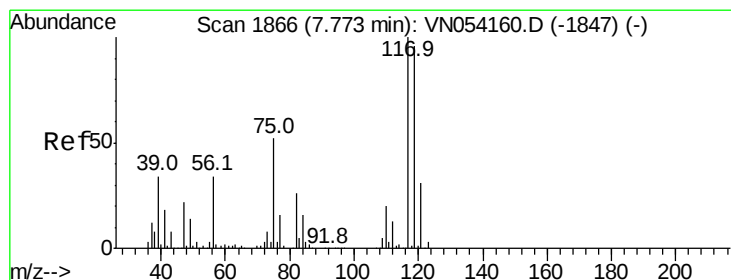
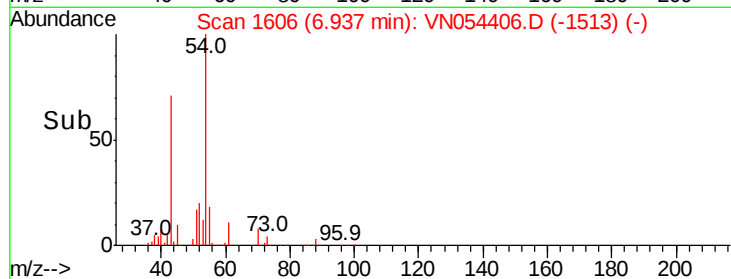
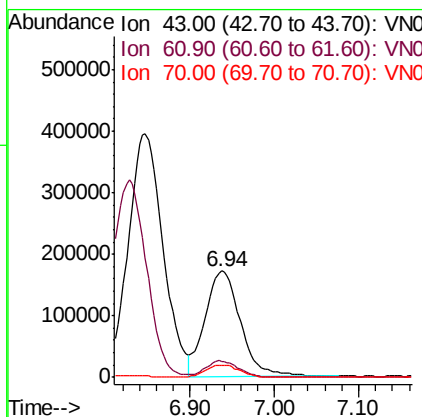
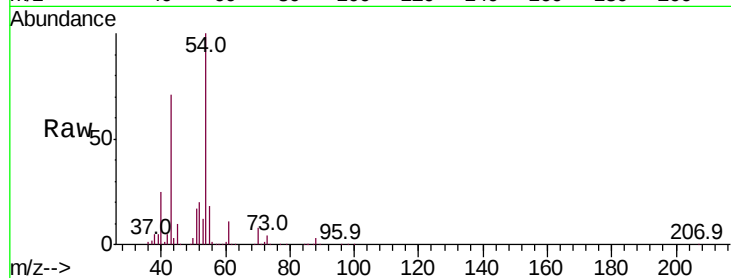
#37
Ethyl Acetate
Concen: 52.562 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	11.1	8.4	12.6

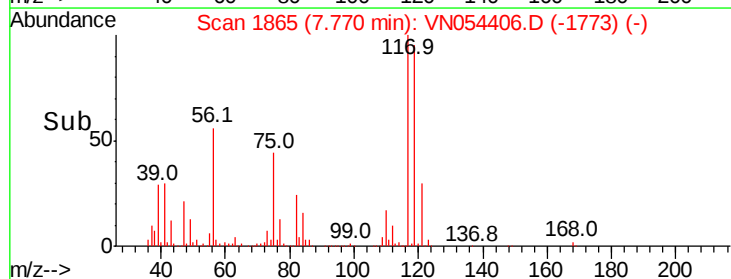
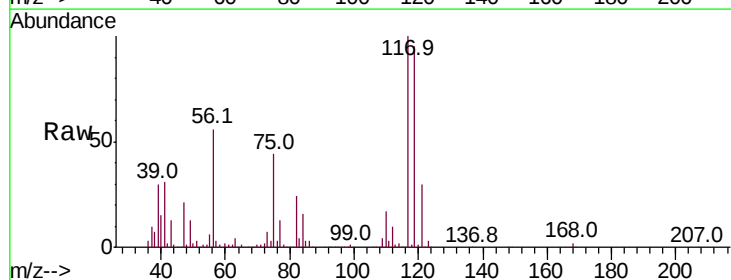
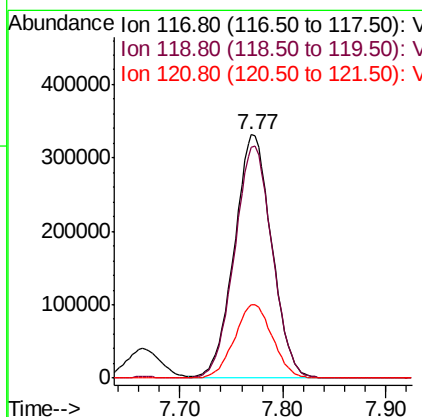
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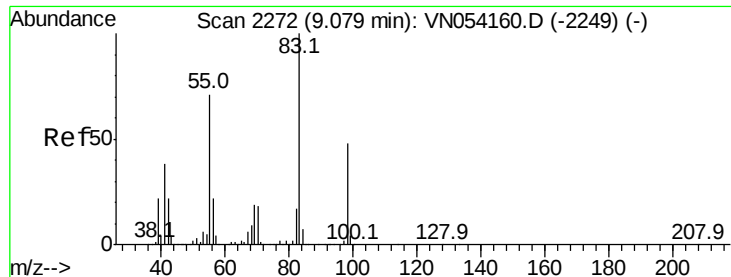
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#38
Carbon Tetrachloride
Concen: 48.091 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.3	114.5
121	30.3	24.6	36.8





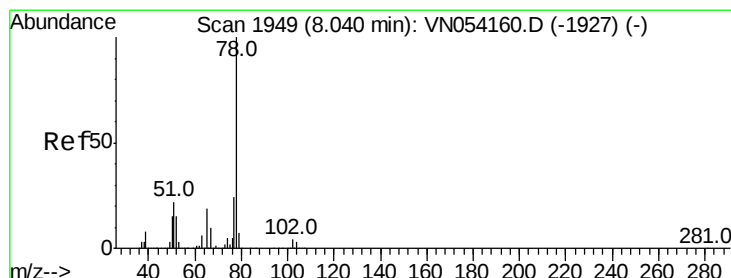
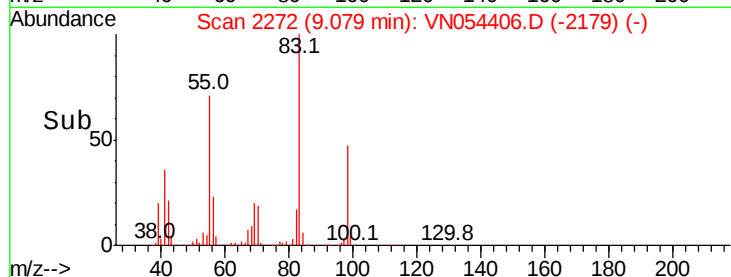
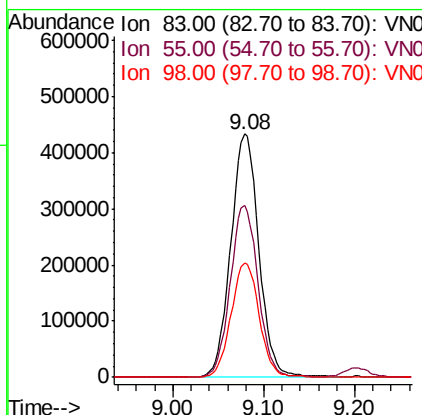
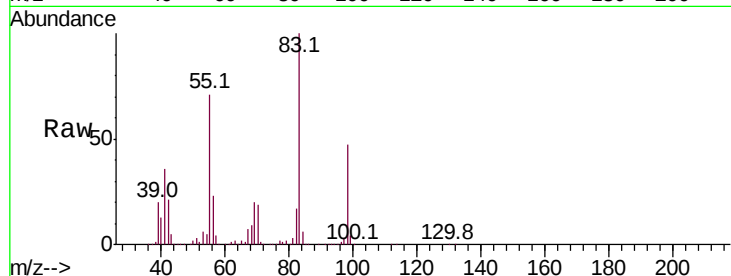
#39
Methvlcvclohexane
Concen: 45.772 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.6	56.6	84.8	
98	47.0	38.4	57.6	

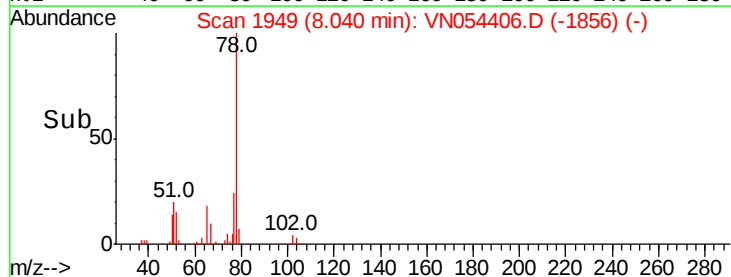
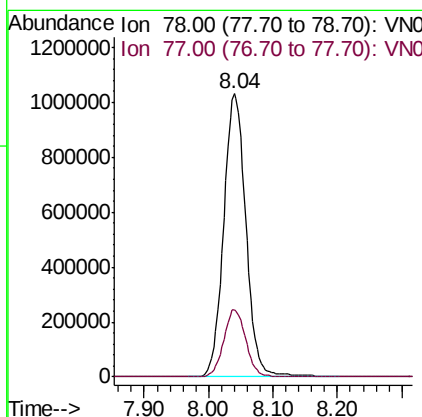
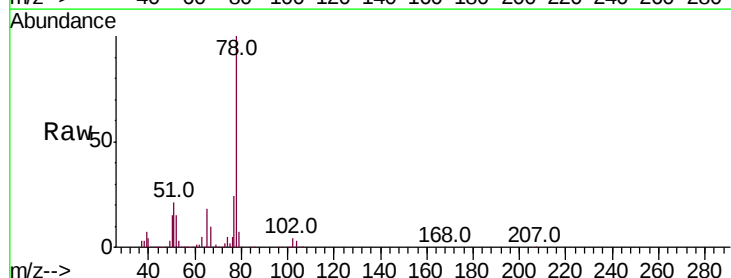
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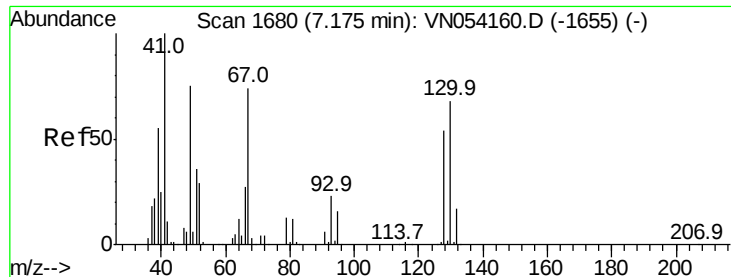
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#40
Benzene
Concen: 52.508 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





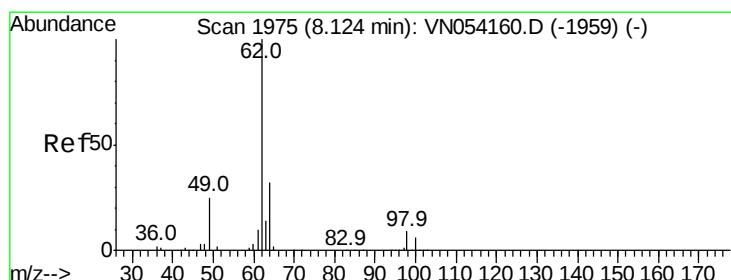
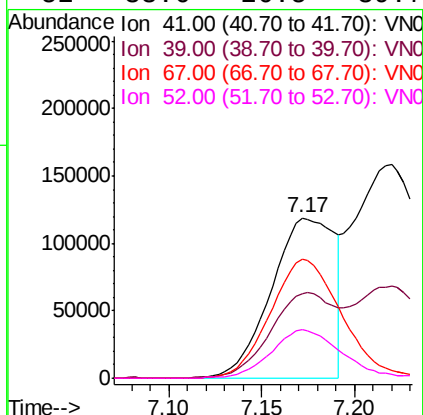
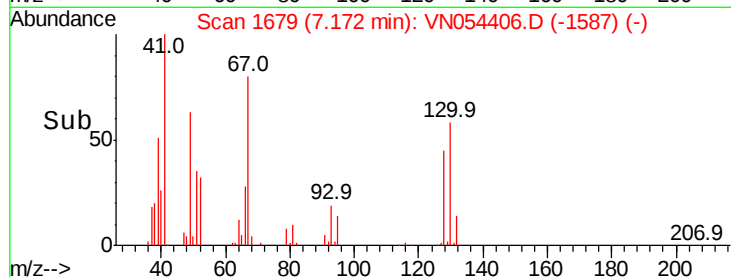
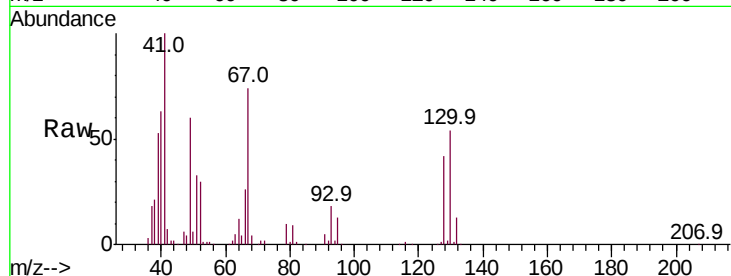
#41
Methacrylonitrile
Concen: 51.900 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	46.8	70.2
67	85.0	67.0	100.4
52	33.6	26.5	39.7

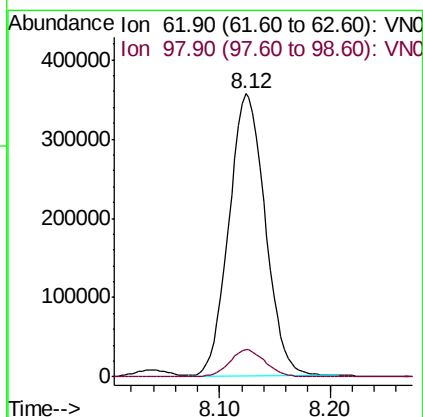
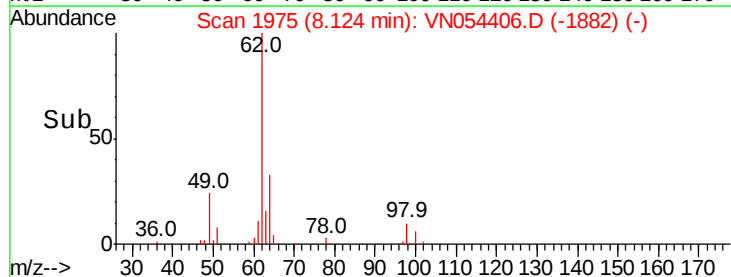
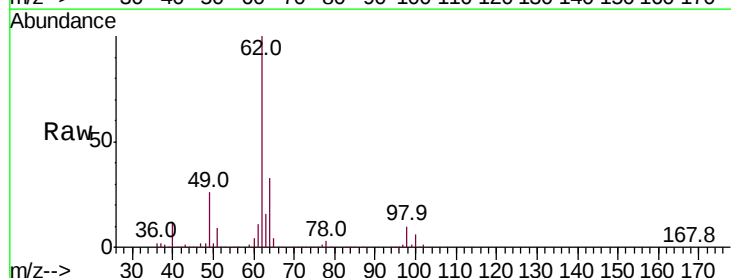
Manual Integrations
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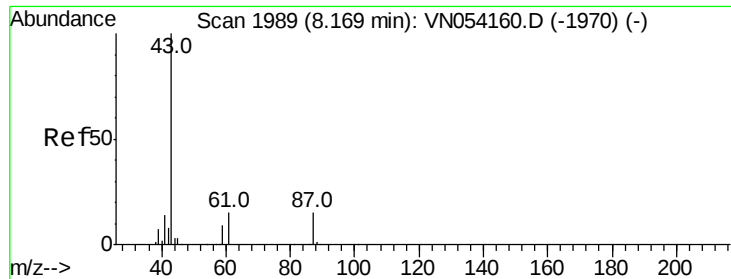
MMDadoda
3/19/2019 9:22:31 AM



#42
1,2-Dichloroethane
Concen: 51.094 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





#43

Isopropyl Acetate

Concen: 50.217 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

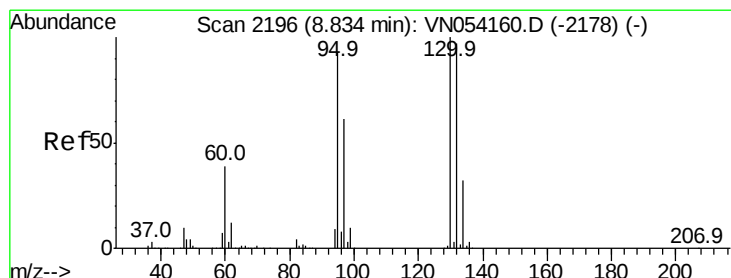
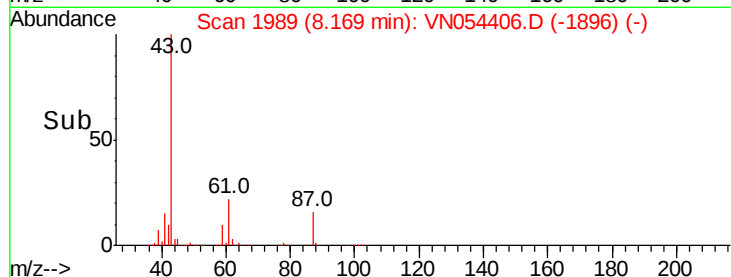
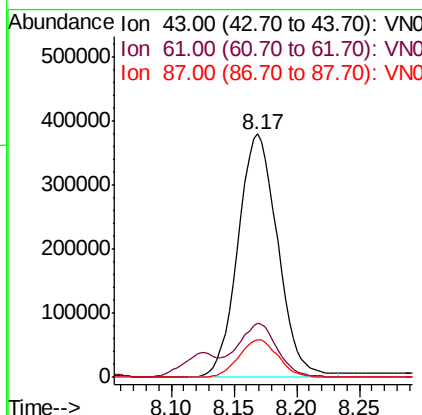
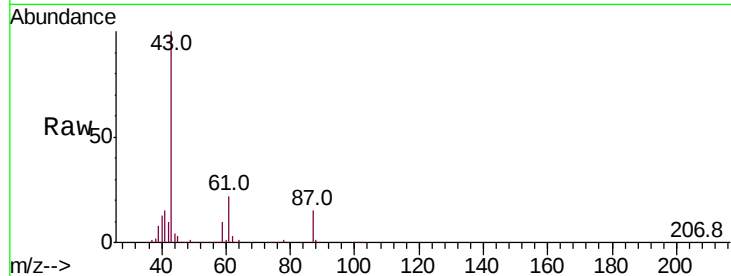
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	835998
Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.8	23.8
87	15.4	12.0	18.0

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#44

Trichloroethene

Concen: 50.908 ug/l

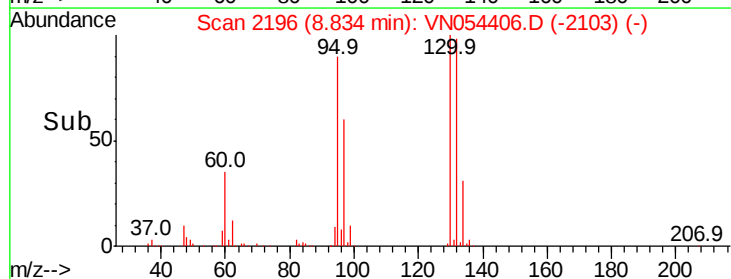
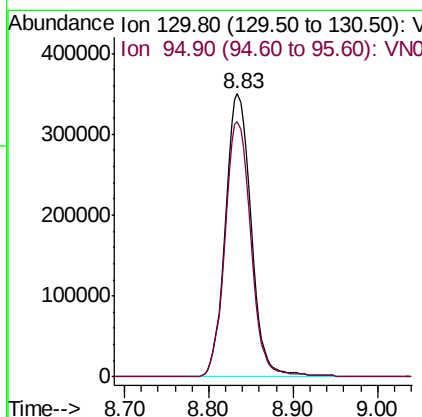
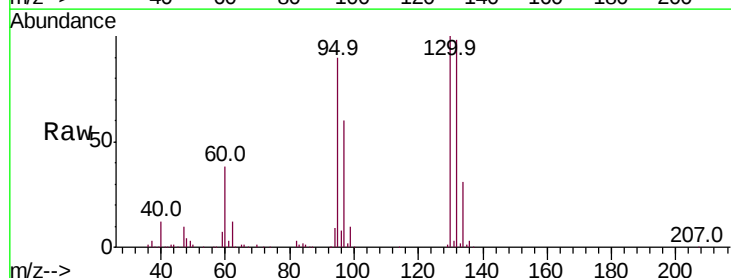
RT: 8.83 min Scan# 2196

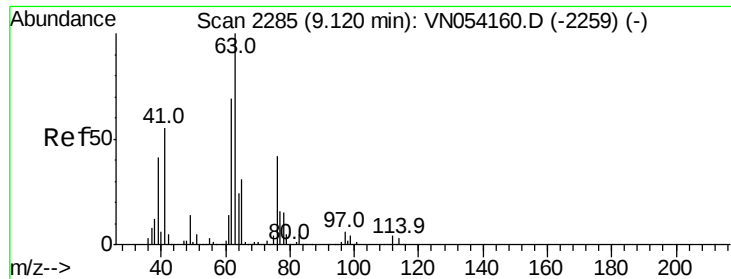
Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:	130	Resp:	746978
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 53.853 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 631621

Ion Ratio Lower Upper

63 100

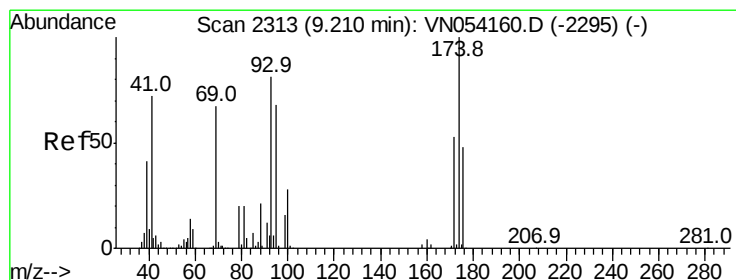
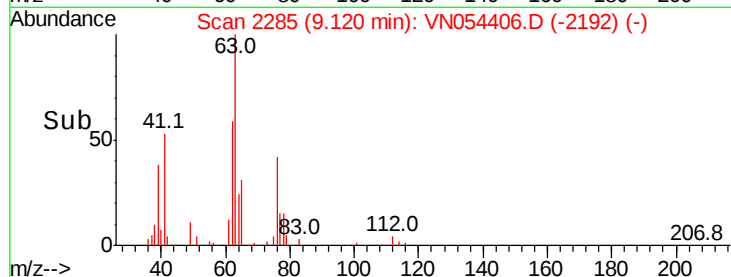
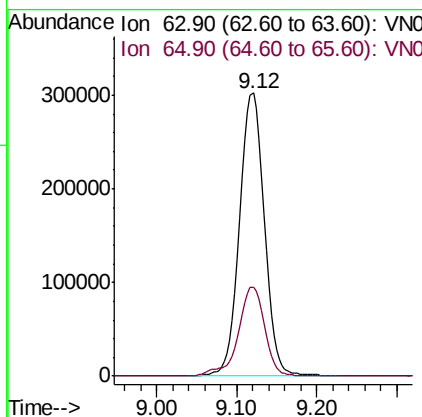
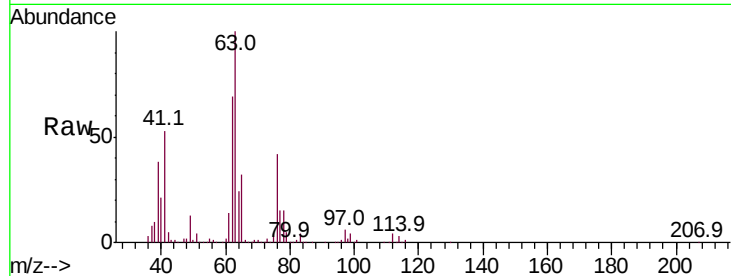
65 31.6 25.0 37.6

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#46

Dibromomethane

Concen: 51.790 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

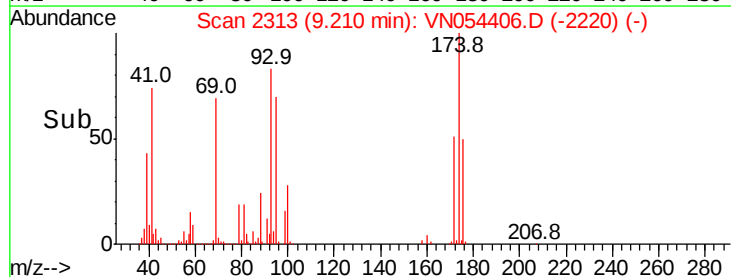
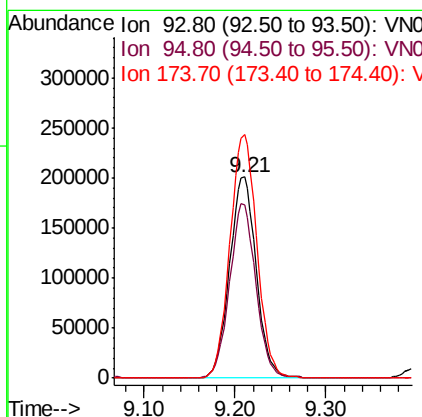
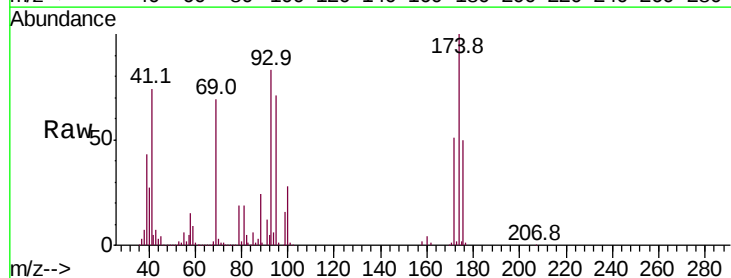
Tgt Ion: 93 Resp: 410417

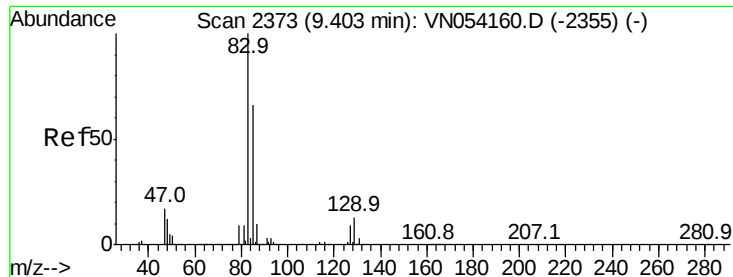
Ion Ratio Lower Upper

93 100

95 85.0 66.7 100.1

174 122.5 98.5 147.7





#47

Bromodichloromethane

Concen: 52.524 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

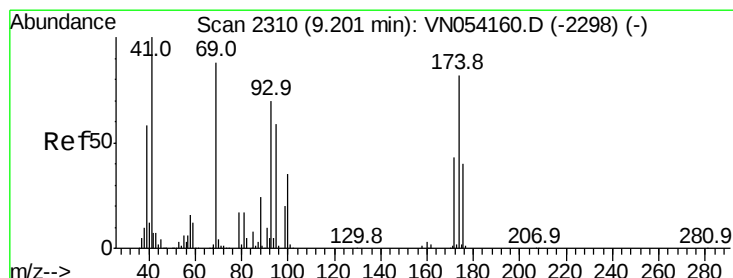
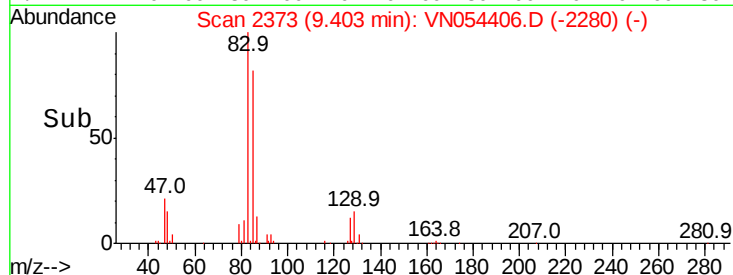
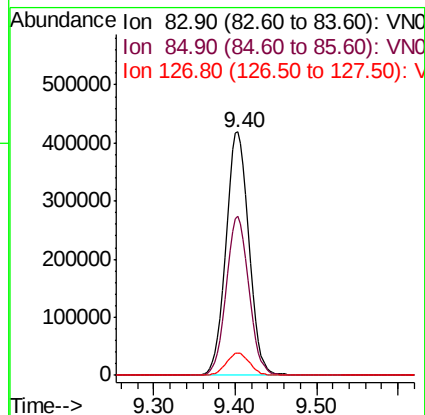
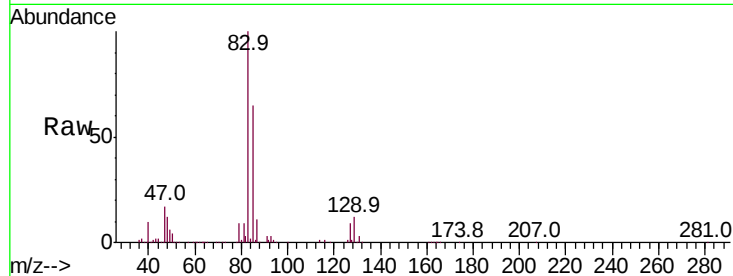
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	834438
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.8	79.2
127	9.3	7.4	11.2

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#48

Methyl methacrylate

Concen: 52.723 ug/l

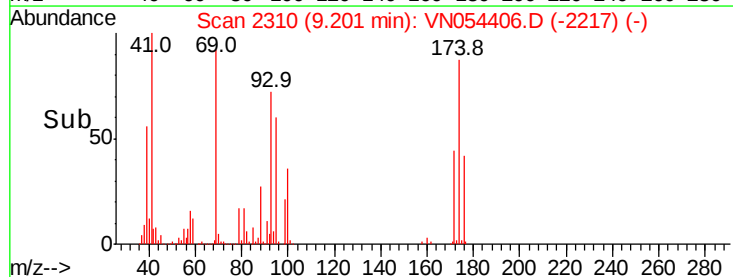
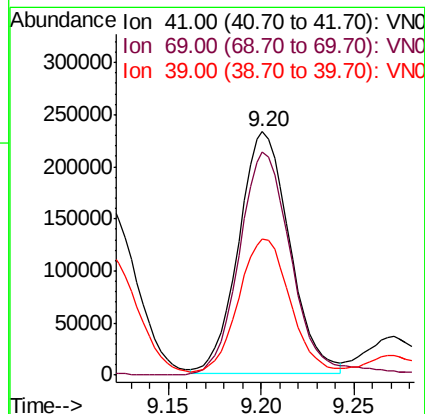
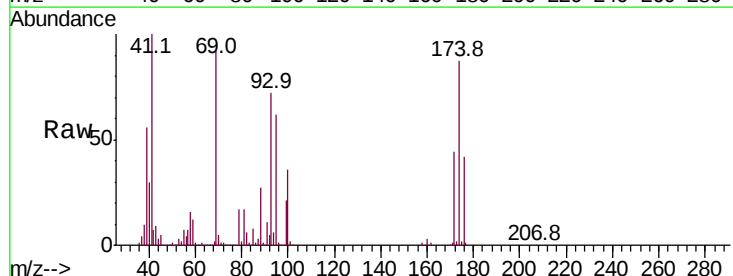
RT: 9.20 min Scan# 2310

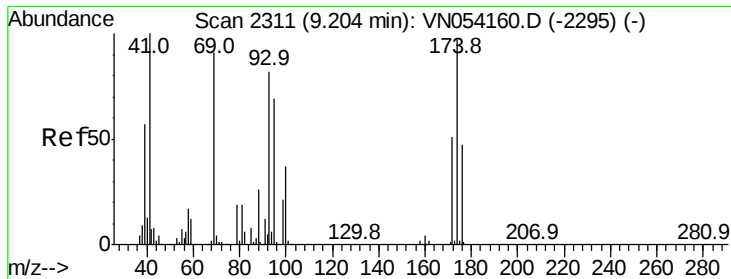
Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:	41	Resp:	445424
Ion Ratio	Lower	Upper	
41	100		
69	94.3	72.6	108.8
39	57.0	47.5	71.3





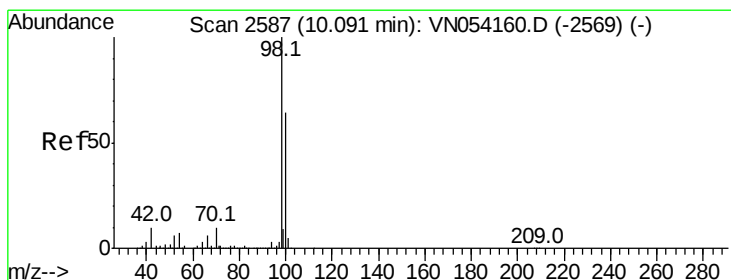
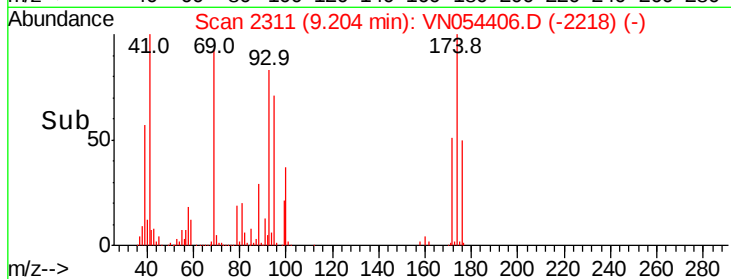
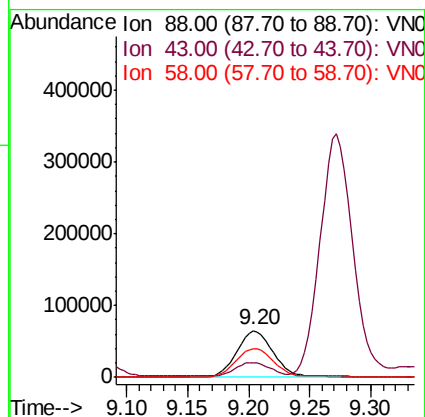
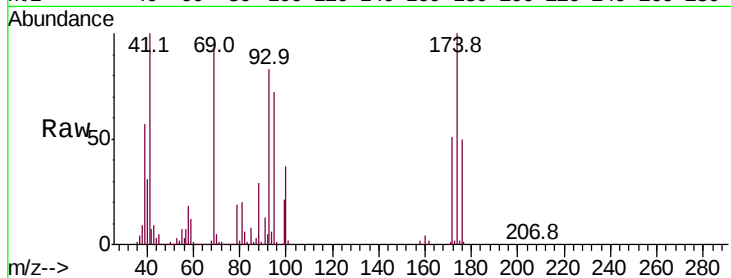
#49
1,4-Dioxane
Concen: 1132.276 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.9	24.1	36.1
58	62.8	50.8	76.2

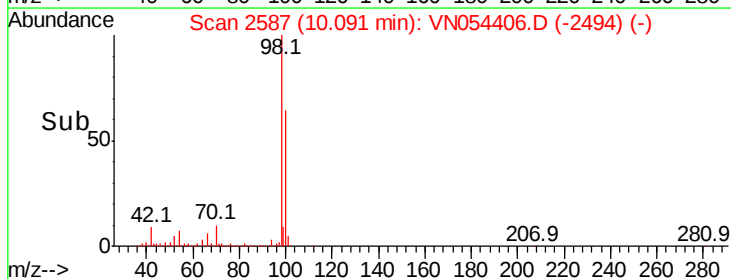
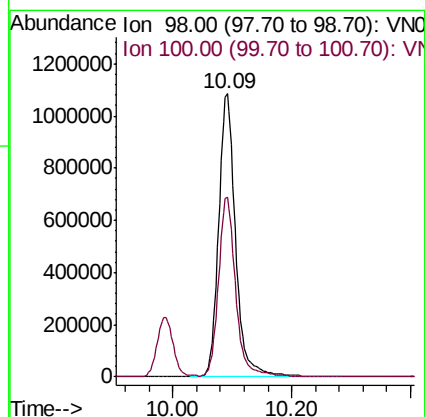
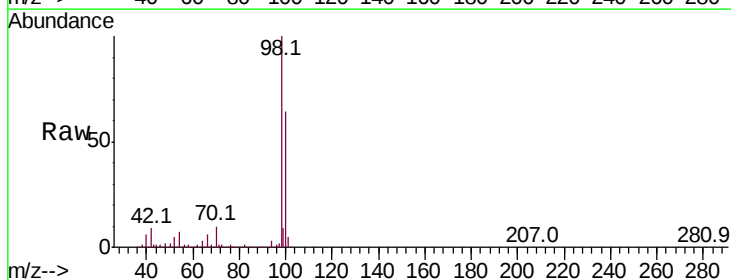
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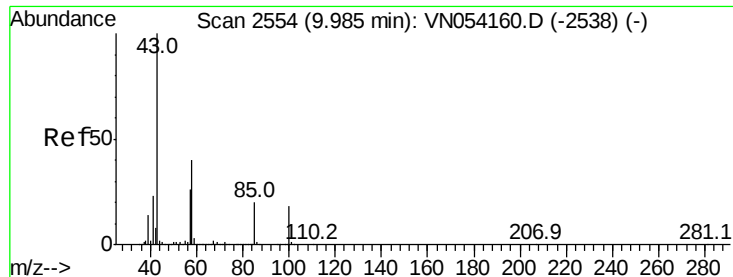
MMDadoda
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#50
Toluene-d8
Concen: 50.129 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 280.294 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2469381

Ion Ratio Lower Upper

43 100

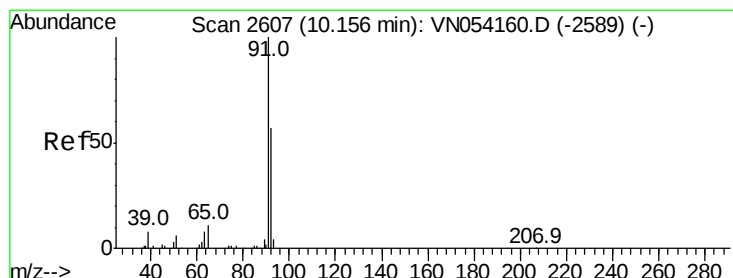
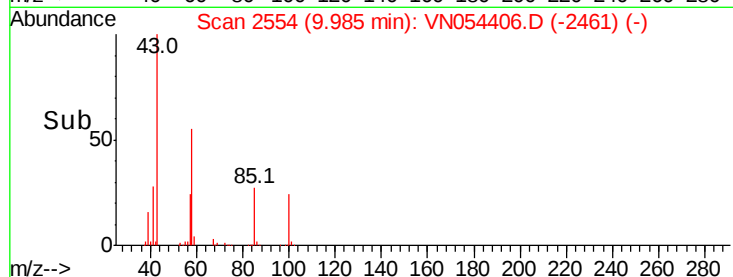
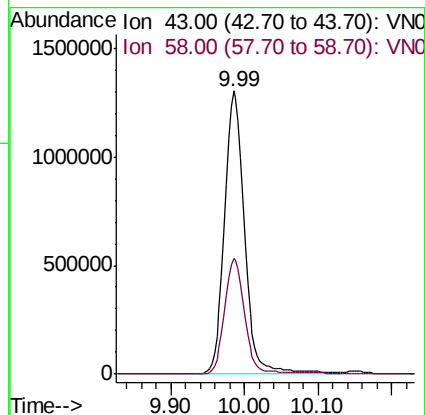
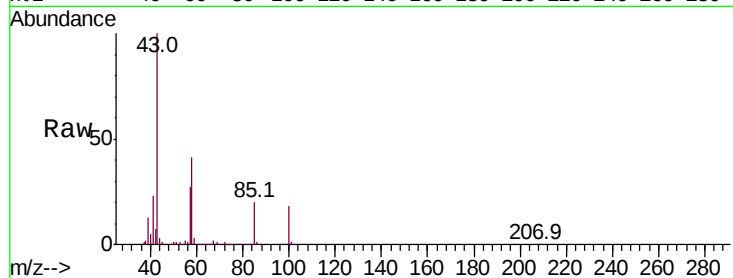
58 40.7 31.8 47.6

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#52

Toluene

Concen: 52.659 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054406.D

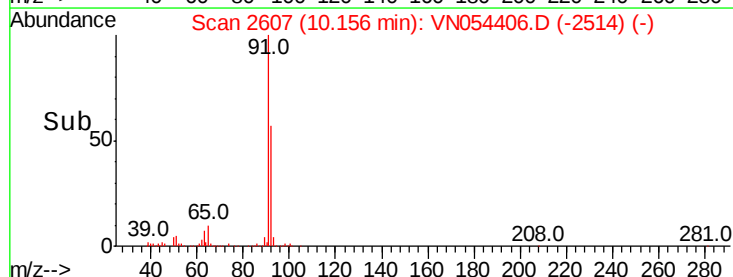
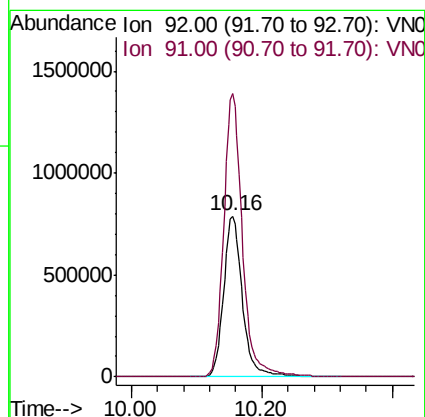
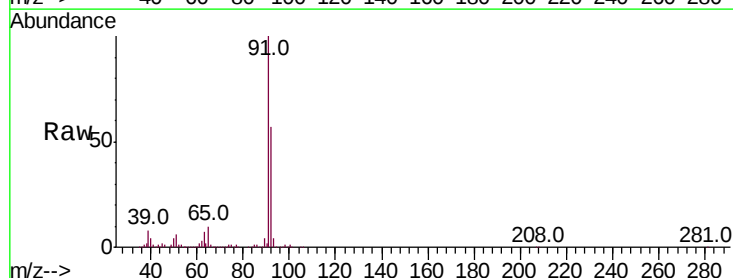
Acq: 18 Mar 2019 21:17

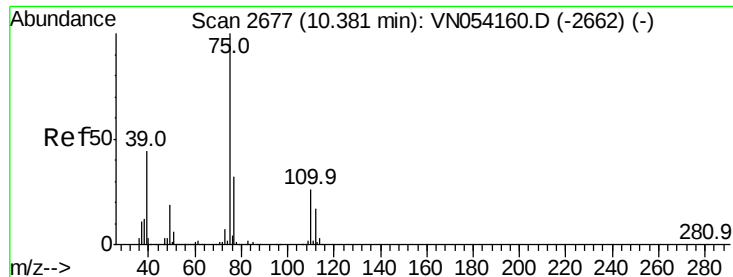
Tgt Ion: 92 Resp: 1577117

Ion Ratio Lower Upper

92 100

91 175.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 42.903 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054406.D

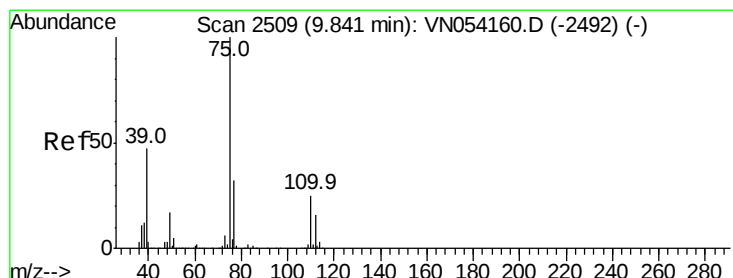
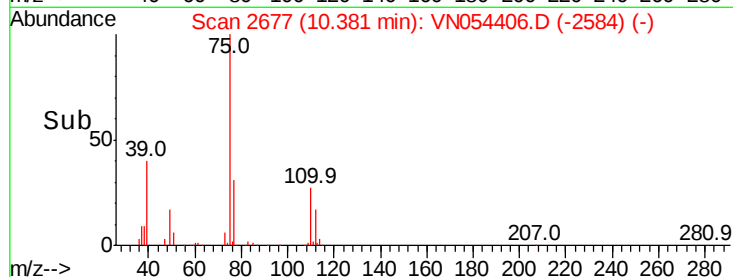
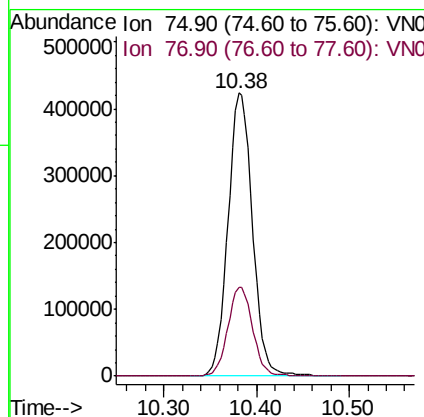
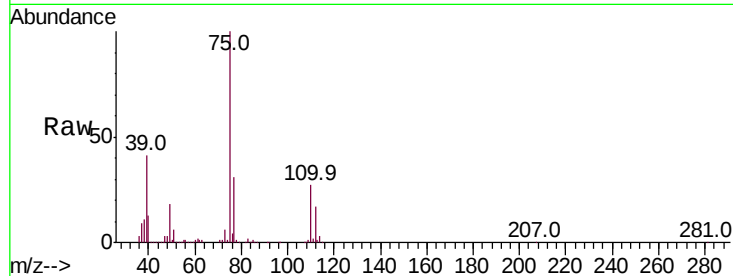
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.8

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#54

cis-1,3-Dichloropropene

Concen: 50.109 ug/l

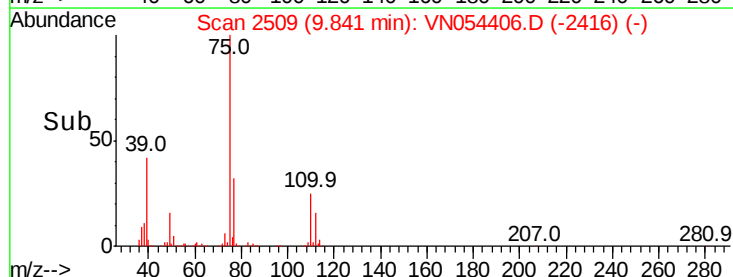
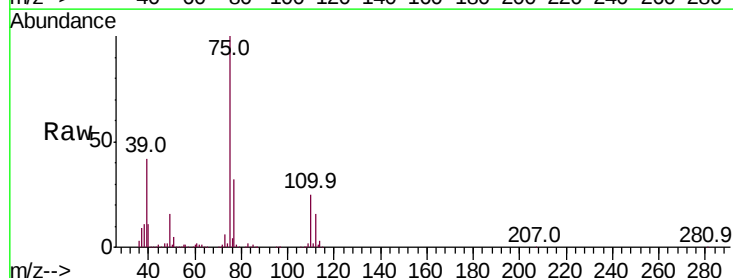
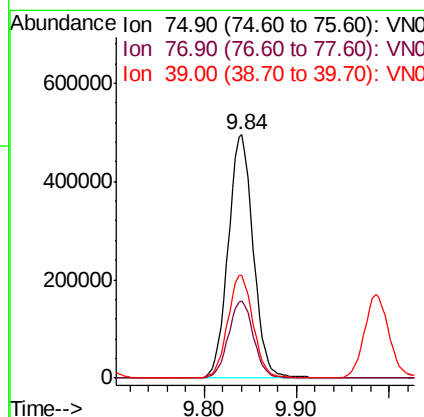
RT: 9.84 min Scan# 2509

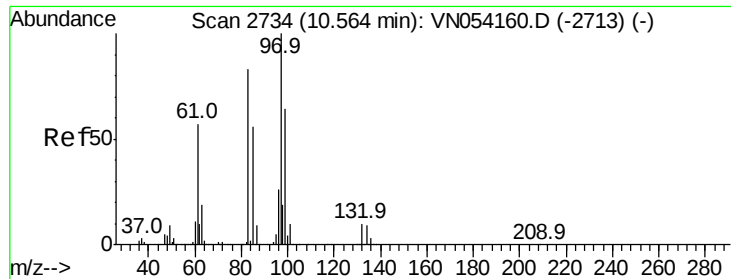
Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	42.1	37.2	55.8





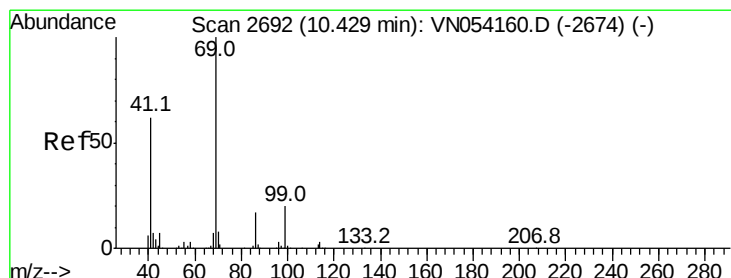
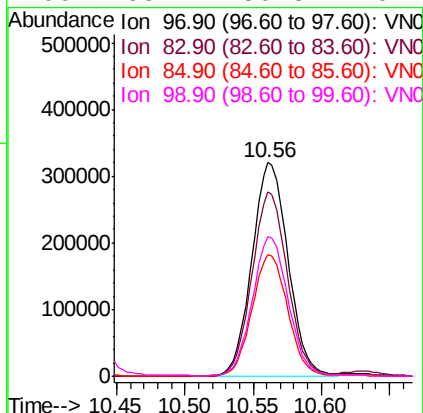
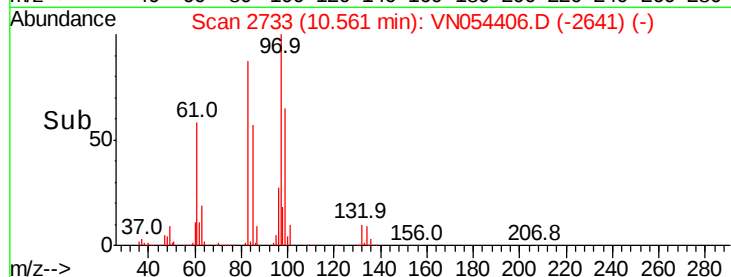
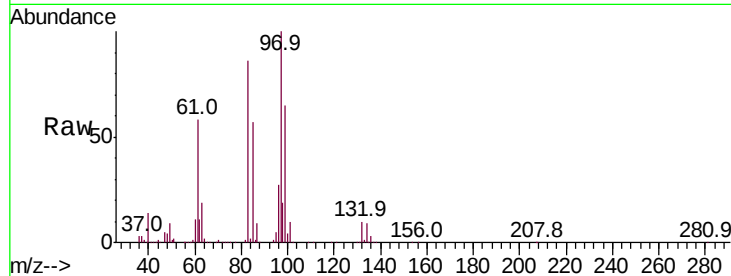
#55
 1,1,2-Trichloroethane
 Concen: 54.033 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.6	100.0
85	56.7	44.4	66.6
99	65.1	50.8	76.2

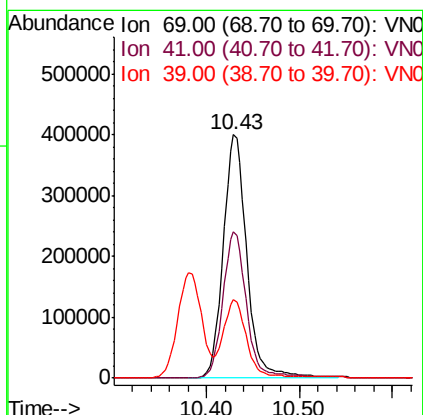
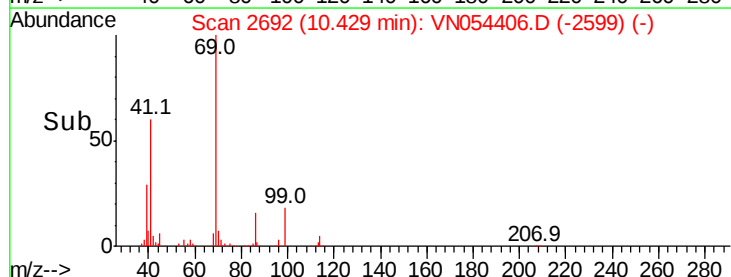
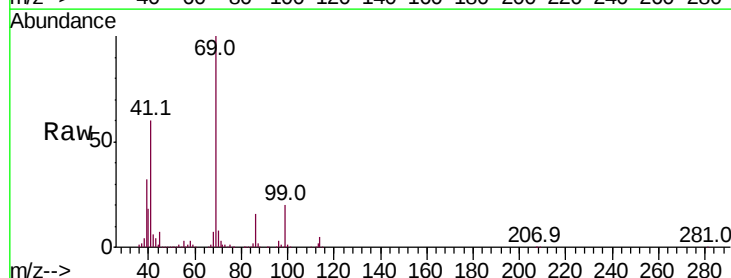
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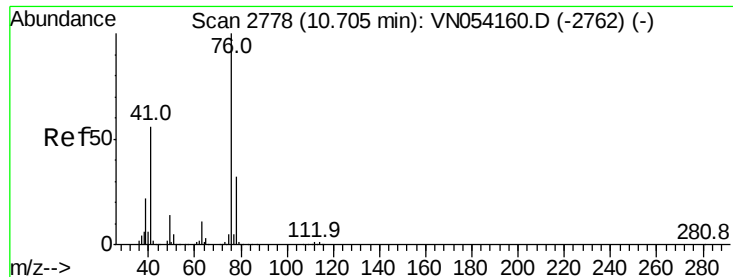
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#56
 Ethyl methacrylate
 Concen: 54.277 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.1	49.4	74.2
39	30.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 54.418 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 973081

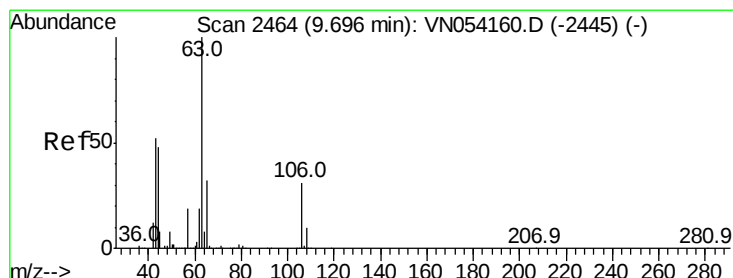
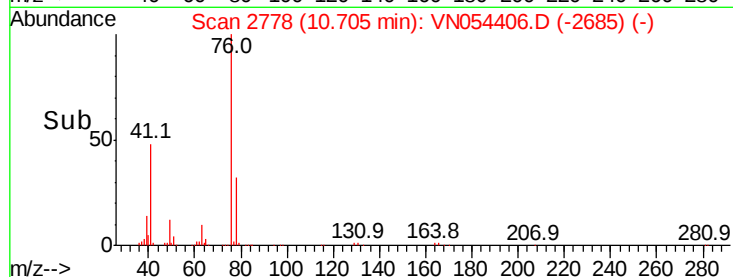
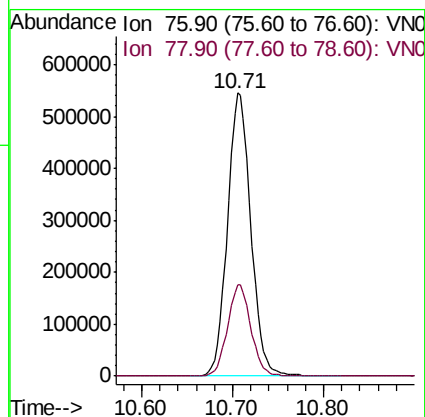
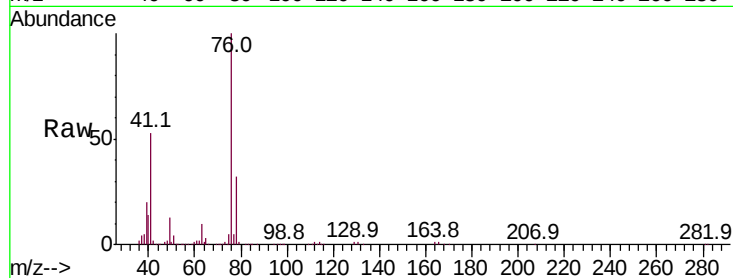
Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5

Manual Integrations
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3/19/2019 9:22:31 AM



#58

2-Chloroethyl Vinyl ether

Concen: 242.285 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054406.D

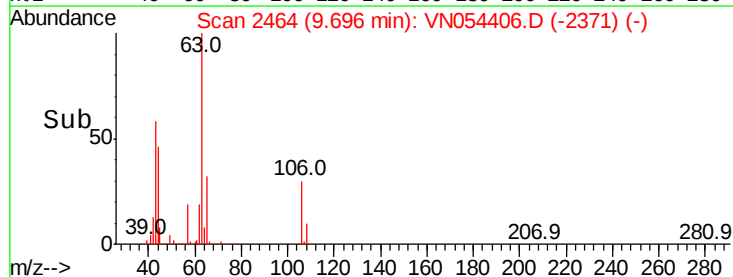
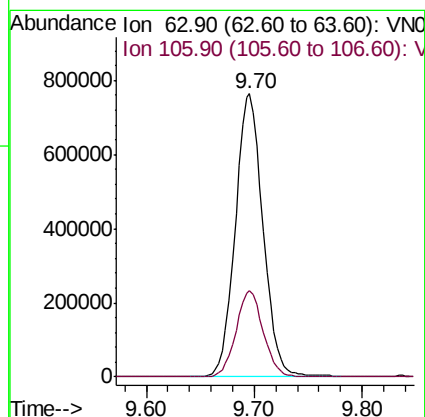
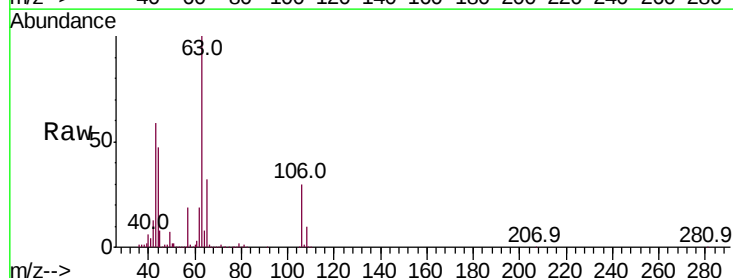
Acq: 18 Mar 2019 21:17

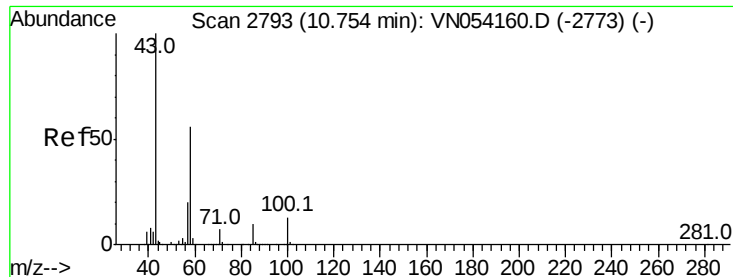
Tgt Ion: 63 Resp: 1367480

Ion Ratio Lower Upper

63 100

106 30.1 24.4 36.6





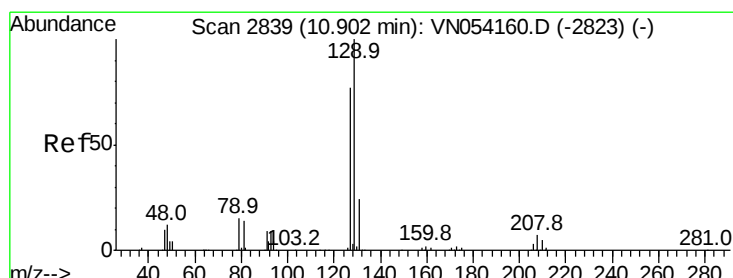
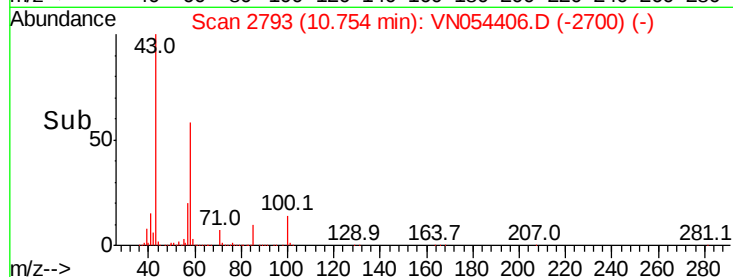
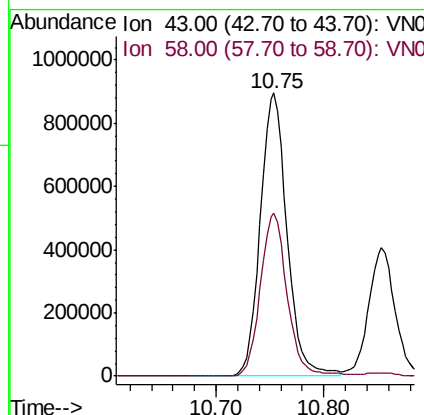
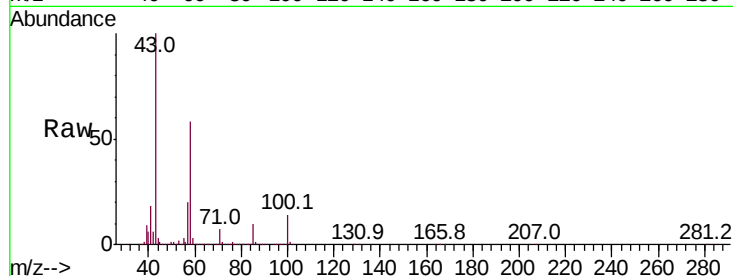
#59
2-Hexanone
Concen: 261.275 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1531629
Ion Ratio Lower Upper
43 100
58 57.8 28.0 83.9

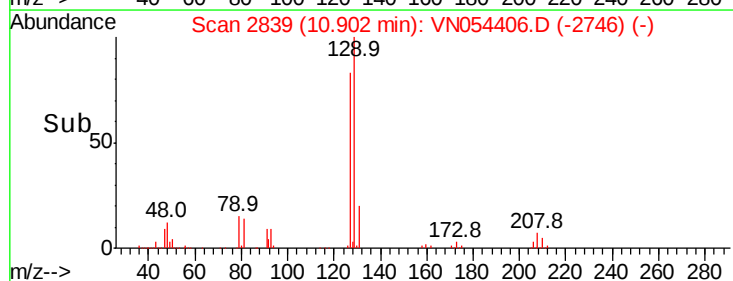
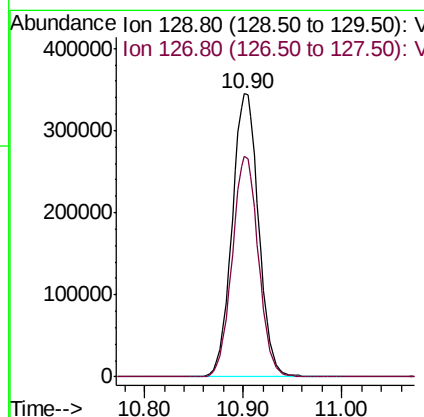
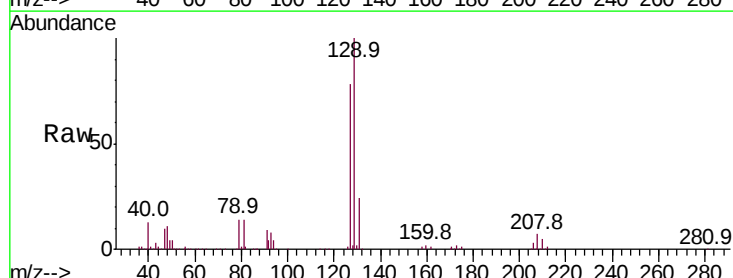
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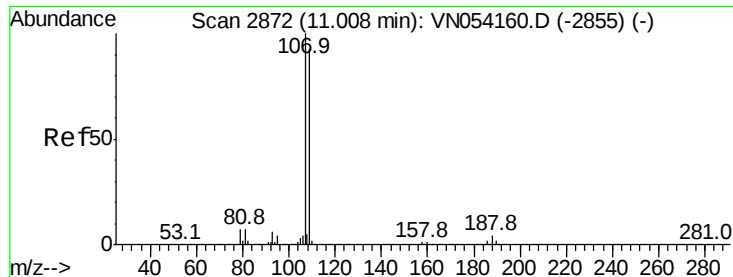
MMDadoda
3/19/2019 9:22:31 AM



#60
Dibromochloromethane
Concen: 52.479 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion: 129 Resp: 645960
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.277 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 592075

Ion Ratio Lower Upper

107 100

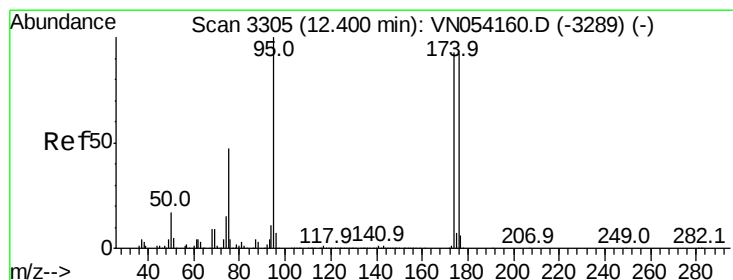
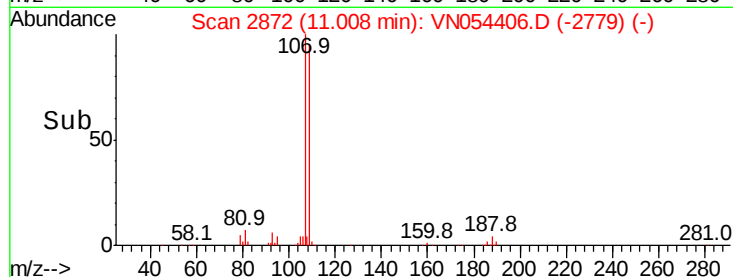
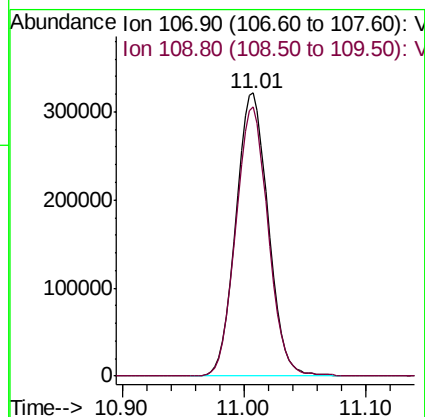
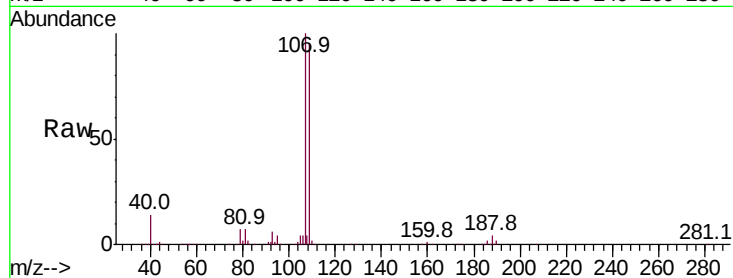
109 95.4 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 48.875 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

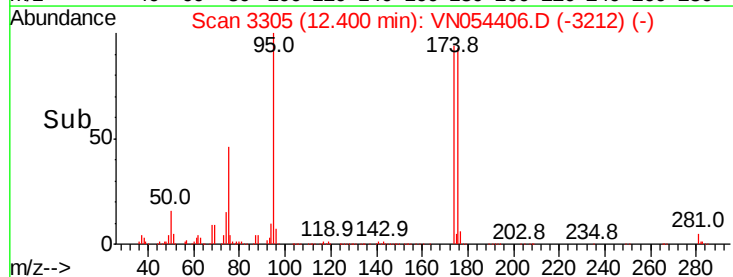
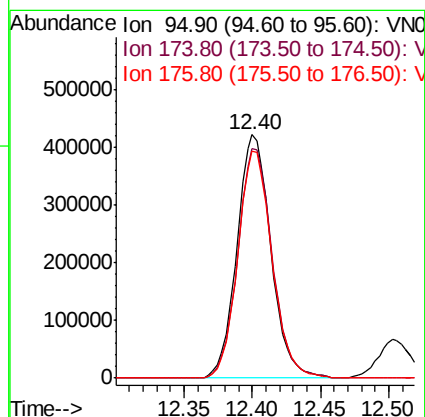
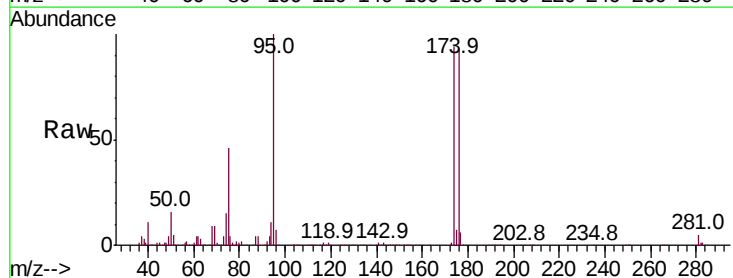
Tgt Ion: 95 Resp: 730105

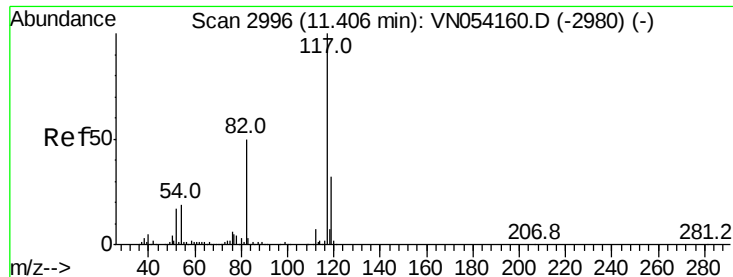
Ion Ratio Lower Upper

95 100

174 95.7 0.0 191.0

176 94.0 0.0 187.4





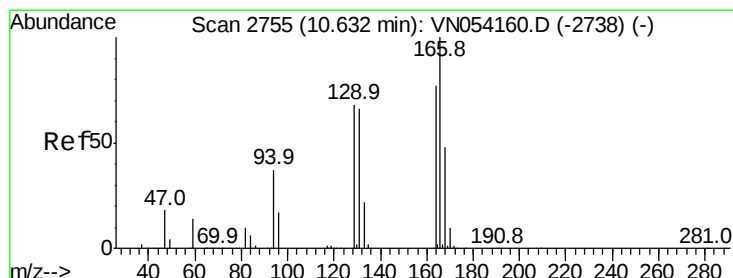
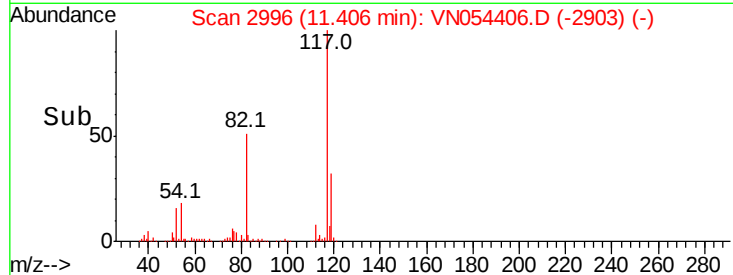
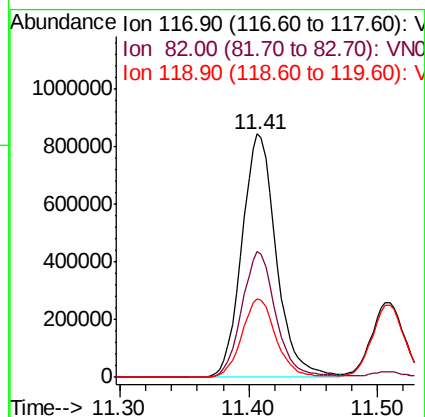
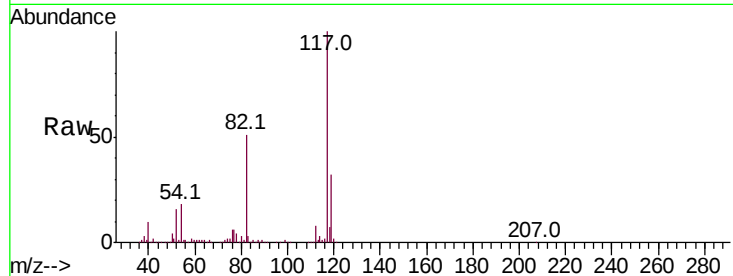
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	40.0	60.0
119	32.4	25.8	38.6

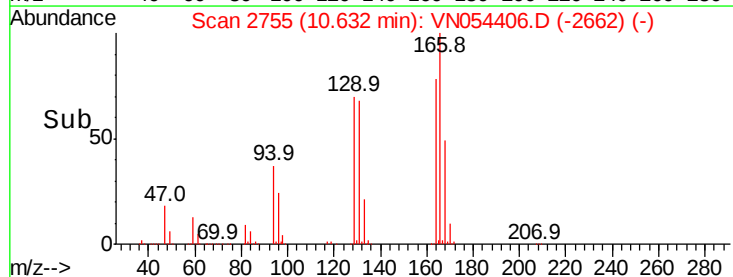
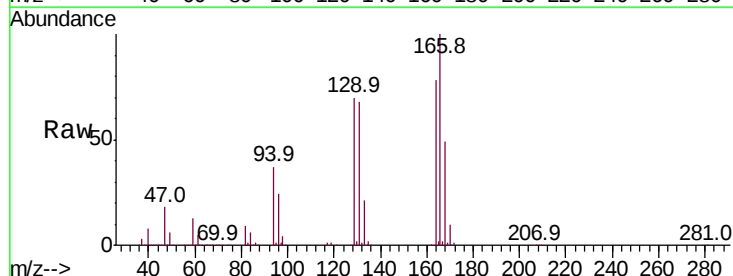
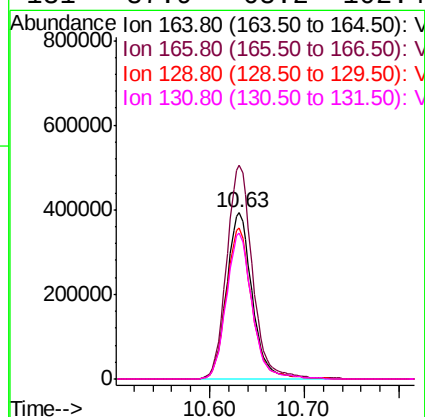
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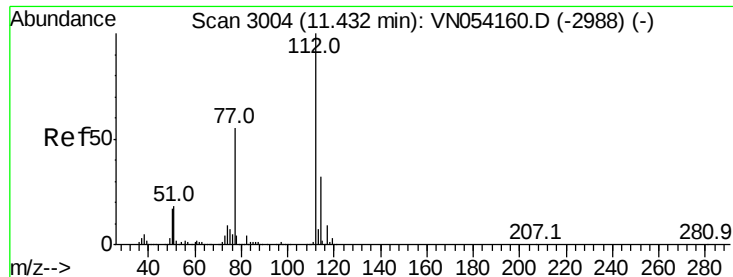
MMDadoda
3/19/2019 9:22:31 AM



#64
Tetrachloroethene
Concen: 49.097 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.9	155.9
129	90.7	71.1	106.7
131	87.9	68.2	102.4





#65

Chlorobenzene

Concen: 52.852 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 1815700

Ion Ratio Lower Upper

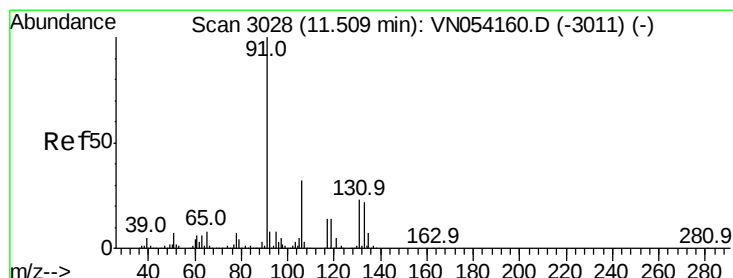
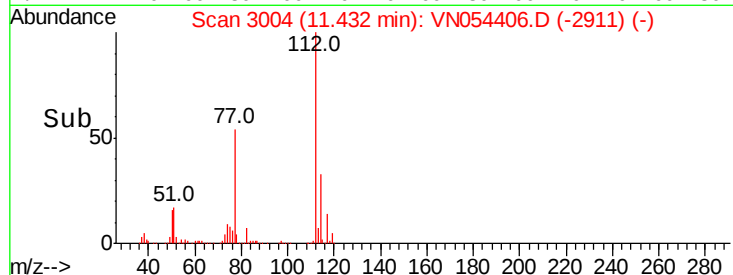
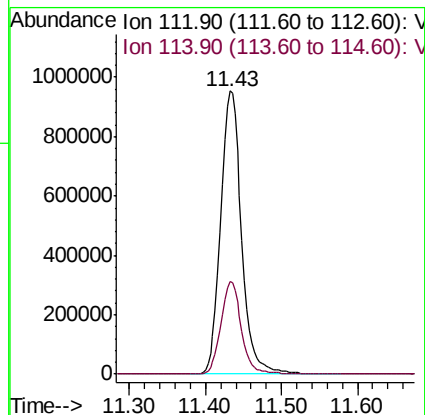
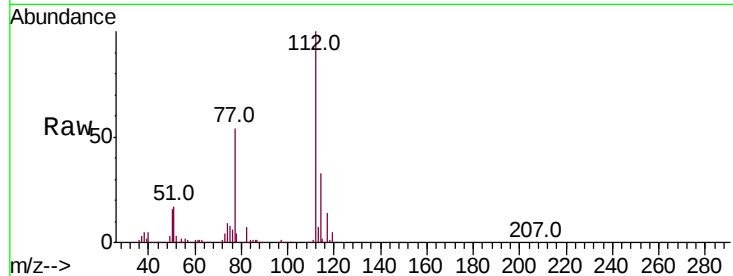
112 100

114 32.6 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 53.427 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

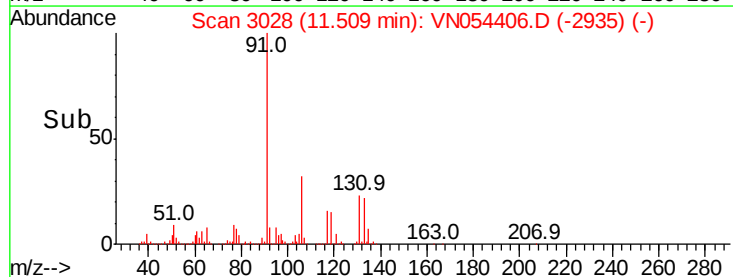
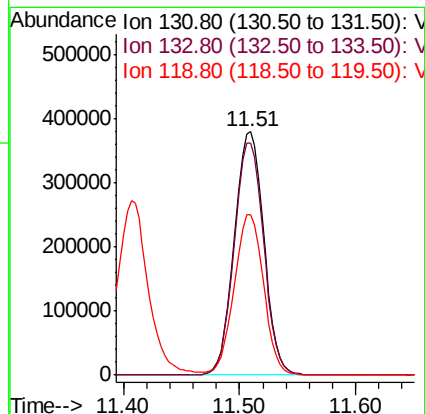
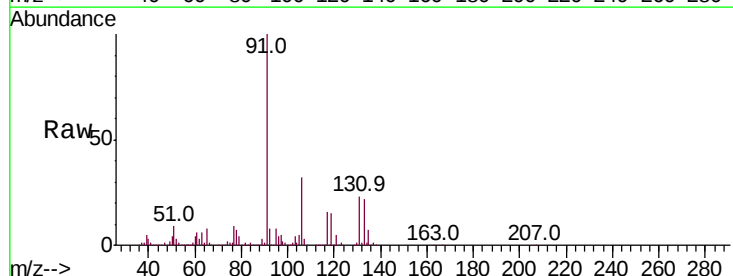
Tgt Ion:131 Resp: 666772

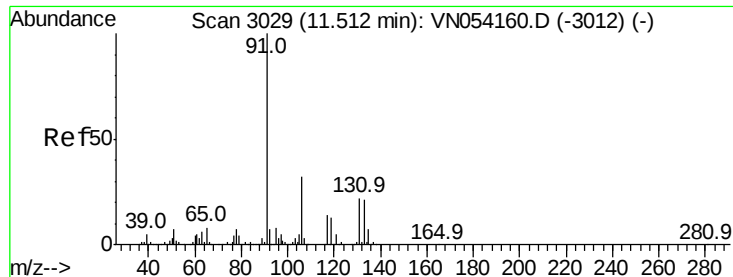
Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.9

119 66.1 32.4 97.0





#67

Ethyl Benzene

Concen: 52.146 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 2969615

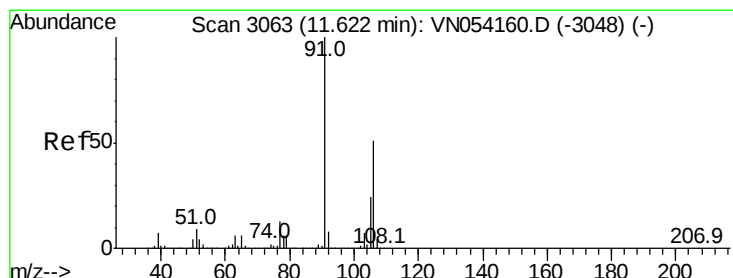
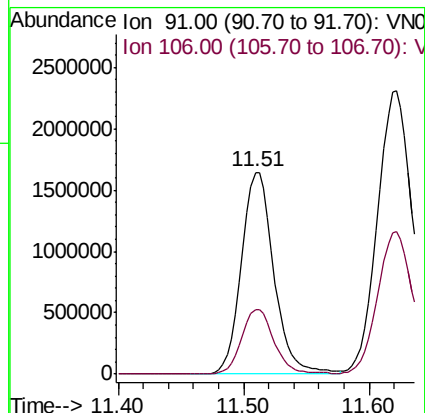
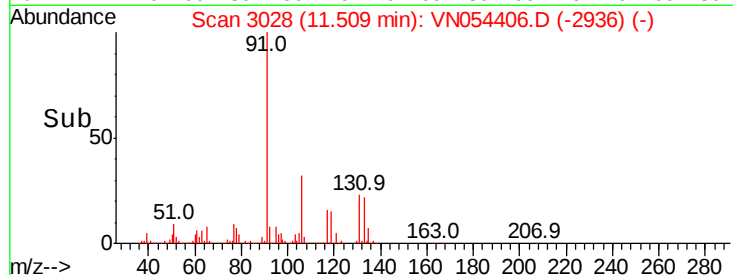
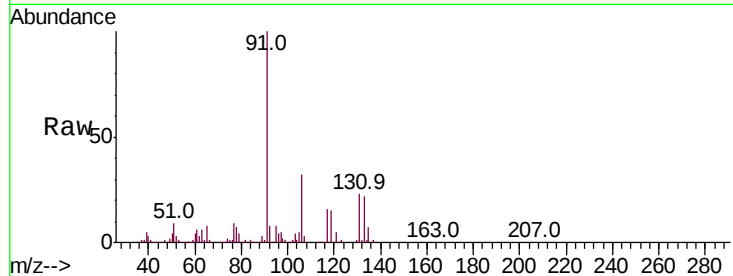
Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3

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#68

m/p-Xylenes

Concen: 104.810 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054406.D

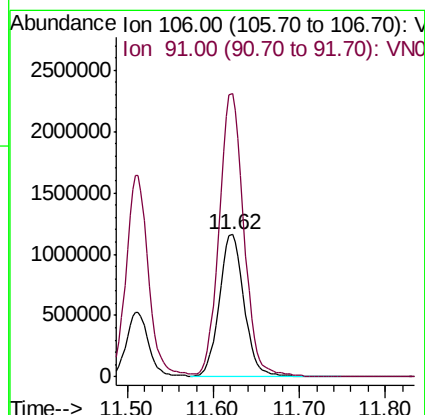
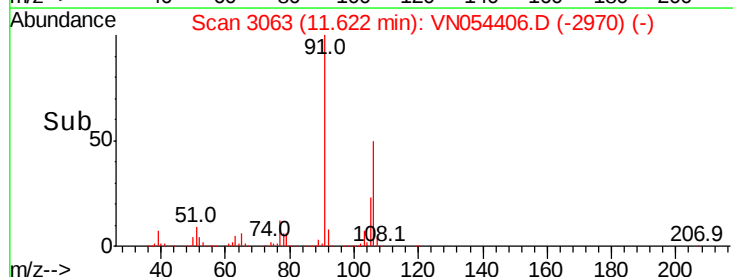
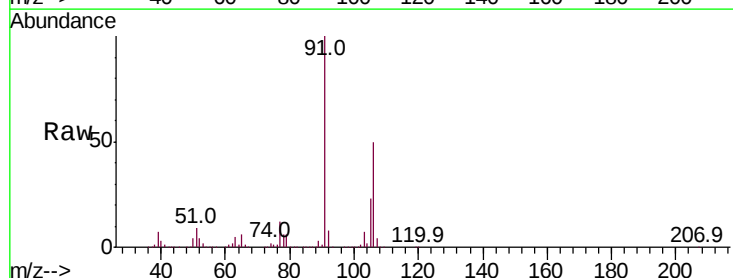
Acq: 18 Mar 2019 21:17

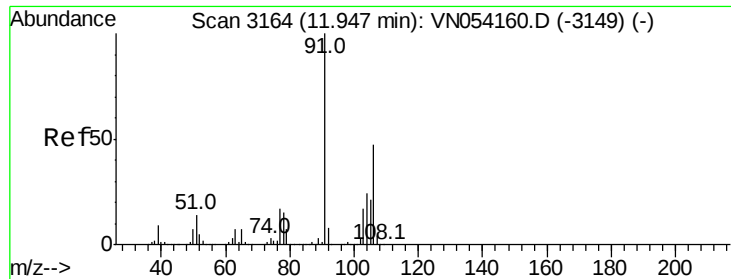
Tgt Ion: 106 Resp: 2332883

Ion Ratio Lower Upper

106 100

91 198.7 159.4 239.2





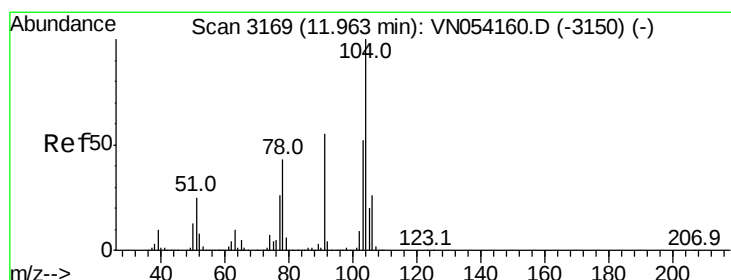
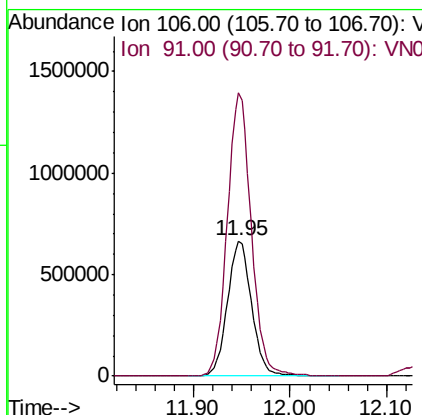
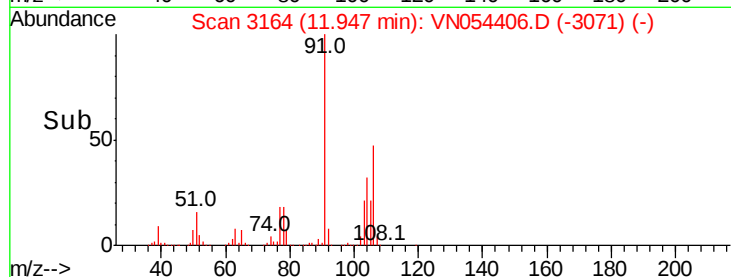
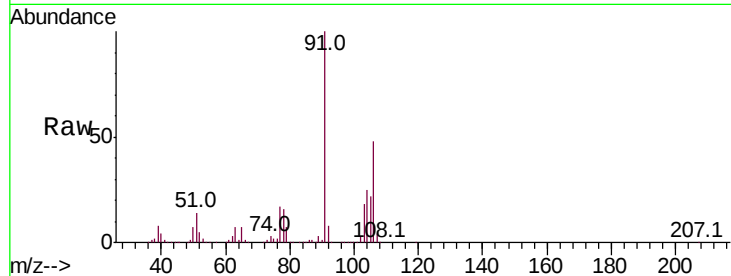
#69
o-Xylene
Concen: 53.169 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1153649
Ion Ratio Lower Upper
106 100
91 208.2 105.7 317.1

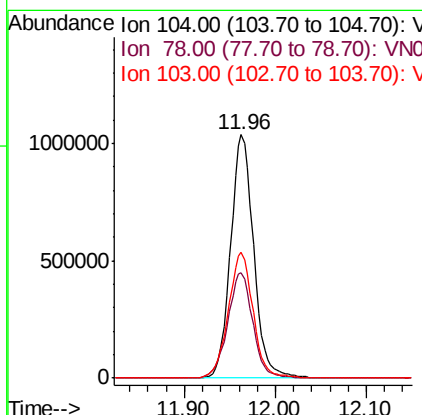
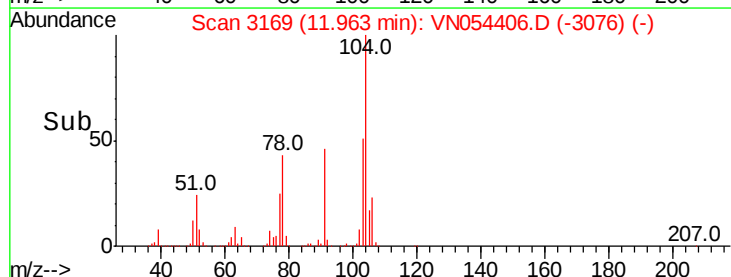
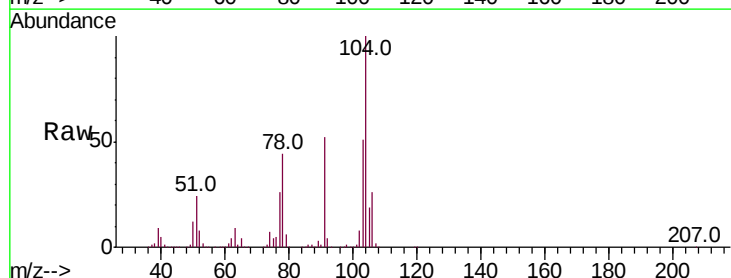
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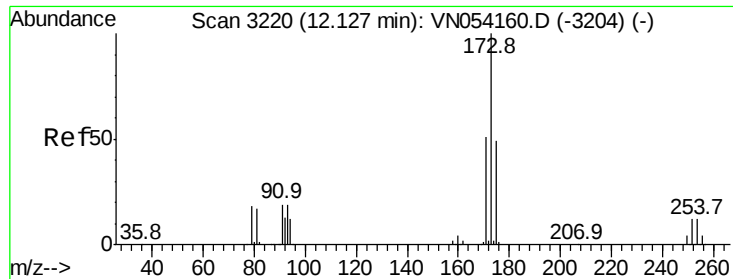
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#70
Styrene
Concen: 53.822 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion:104 Resp: 1831540
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.2
103 55.3 44.4 66.6





#71

Bromoform

Concen: 44.314 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 418907

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.2

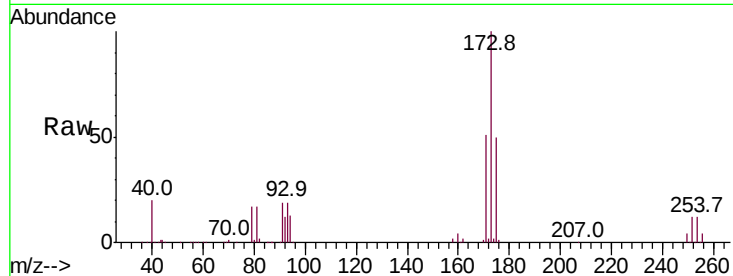
254 0.1 0.1 0.1#

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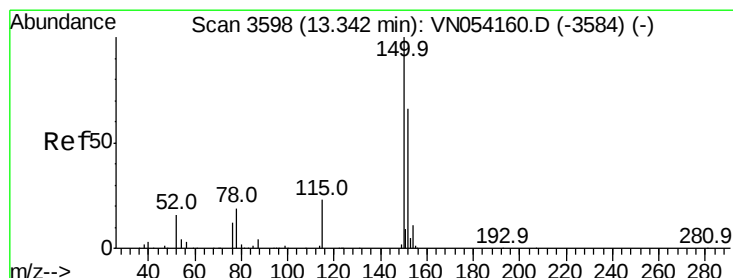
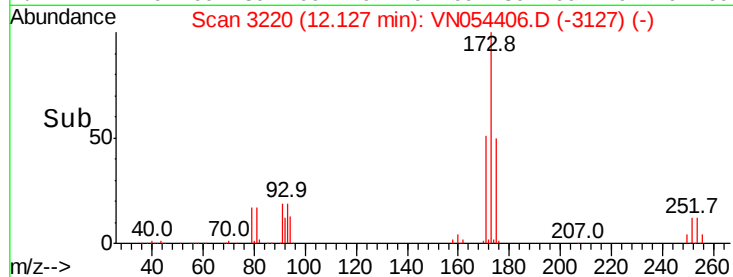
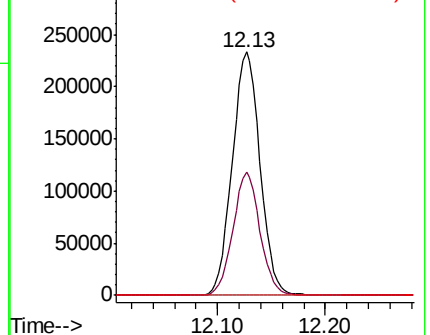
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

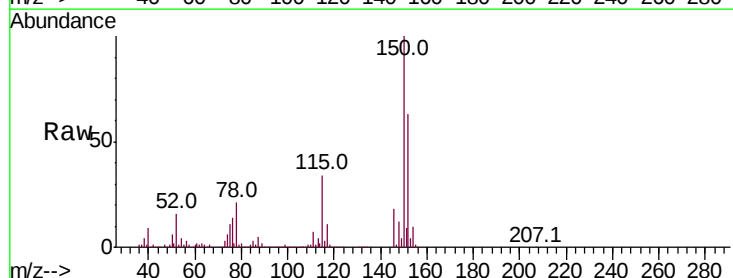
Tgt Ion:152 Resp: 739363

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.6

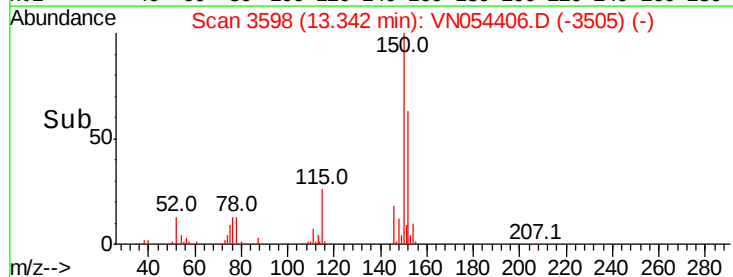
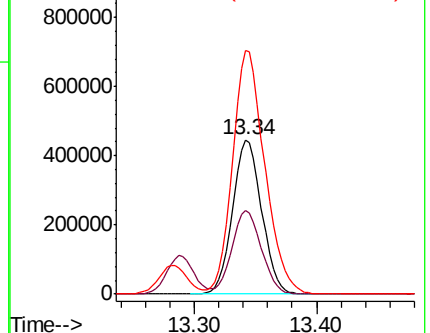
150 174.9 0.0 349.2

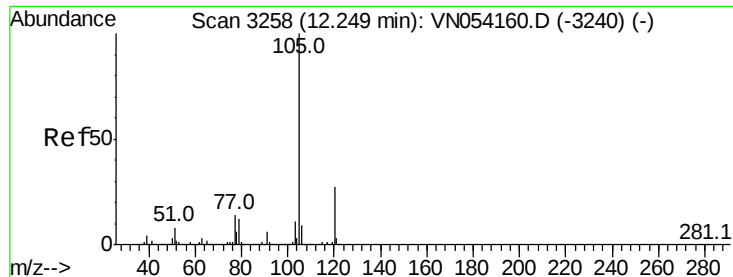


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.612 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2993892

Ion Ratio Lower Upper

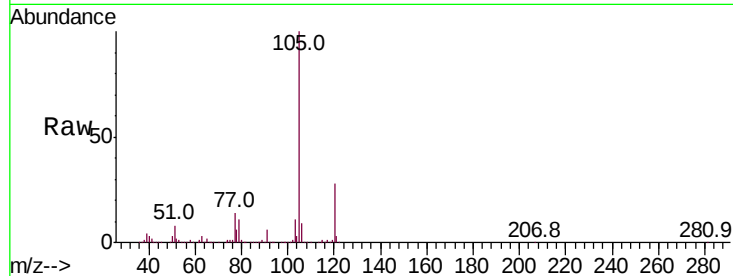
105 100

120 27.6 13.8 41.3

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Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

1500000

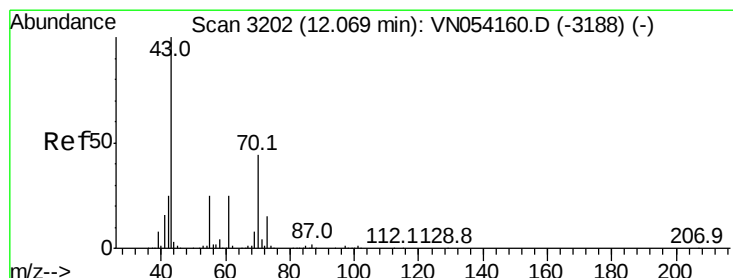
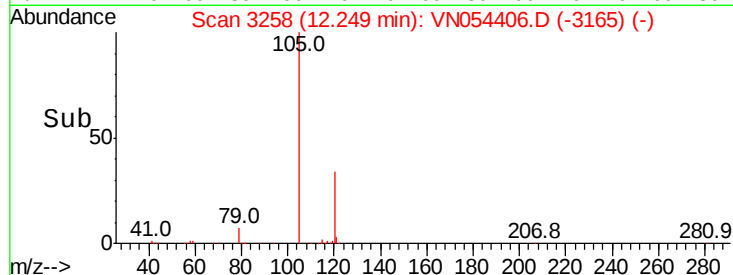
1000000

500000

0

12.20 12.25 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 52.456 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion: 43 Resp: 688752

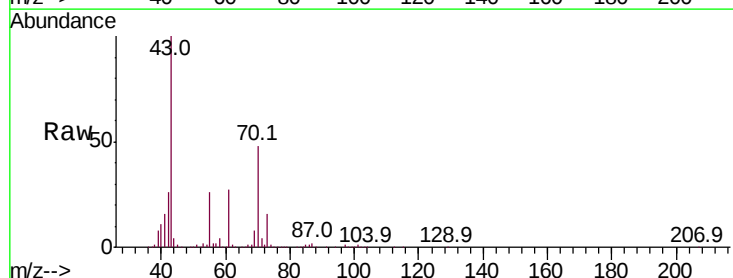
Ion Ratio Lower Upper

43 100

70 47.6 35.4 53.0

55 26.7 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

600000

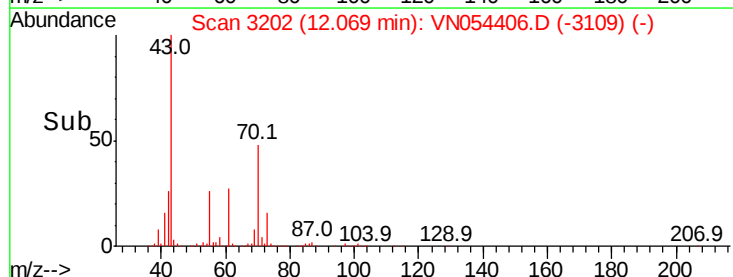
400000

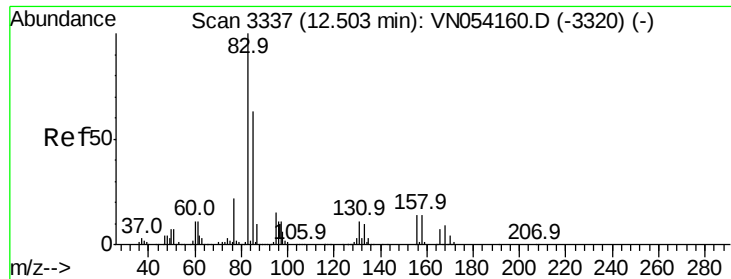
200000

0

12.00 12.07 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.638 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 688605

Ion Ratio Lower Upper

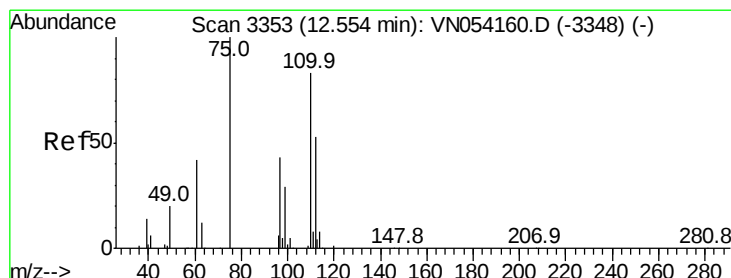
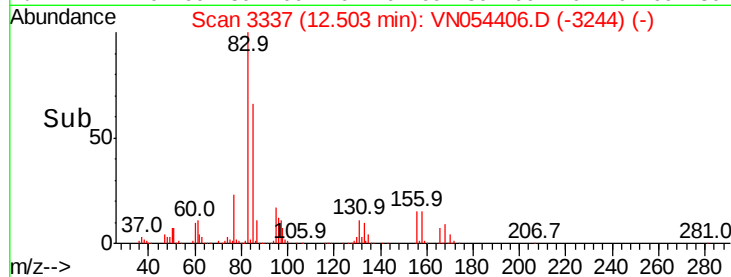
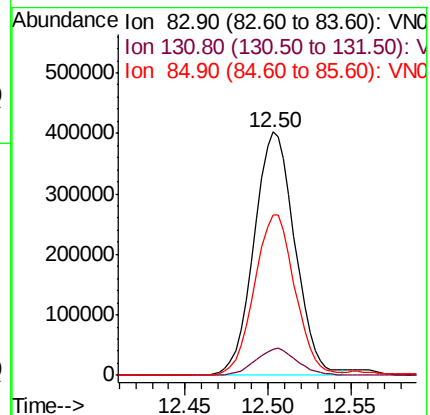
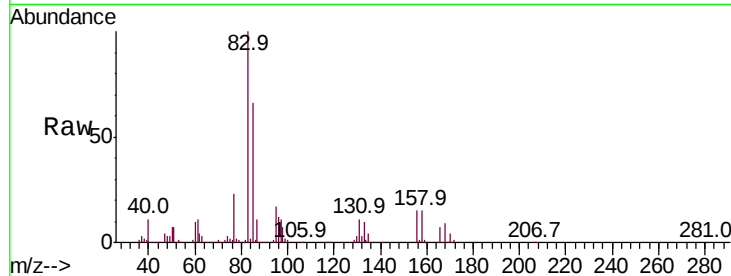
83 100

131 11.3 5.8 17.4

85 65.7 32.2 96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.735 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054406.D

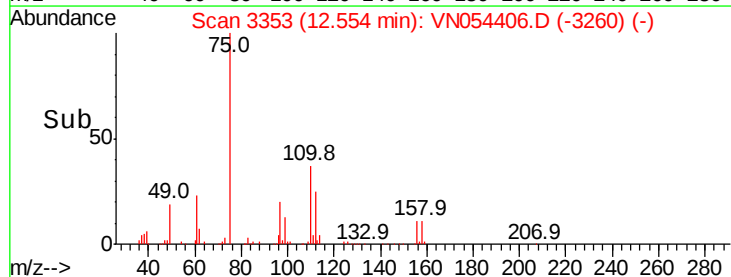
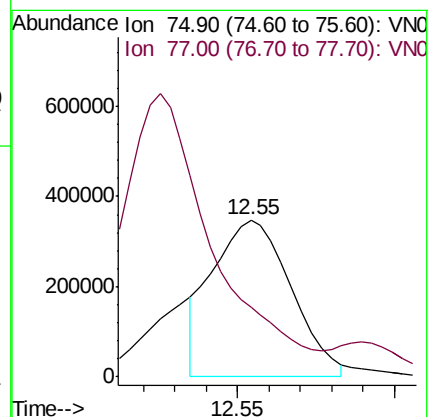
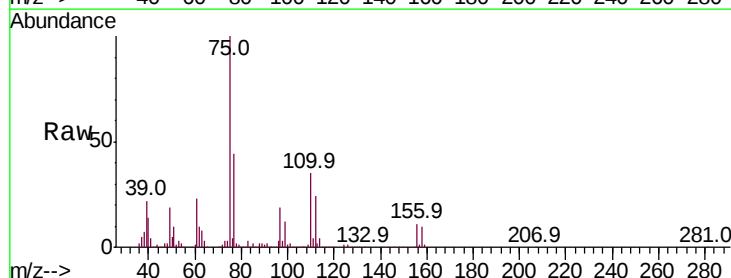
Acq: 18 Mar 2019 21:17

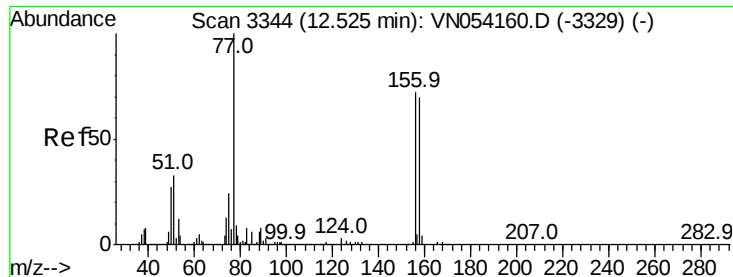
Tgt Ion: 75 Resp: 605987

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.340 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

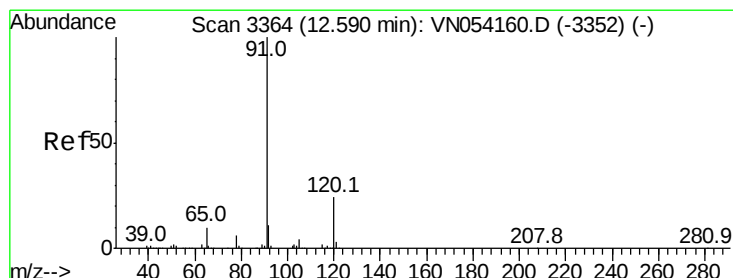
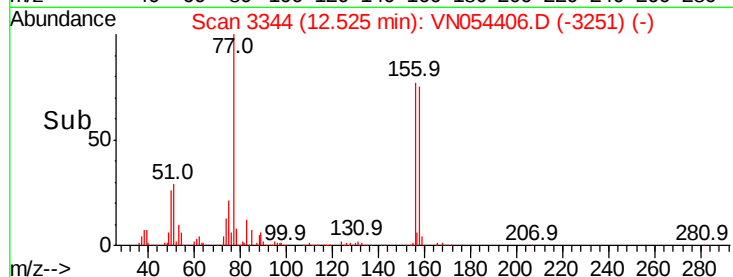
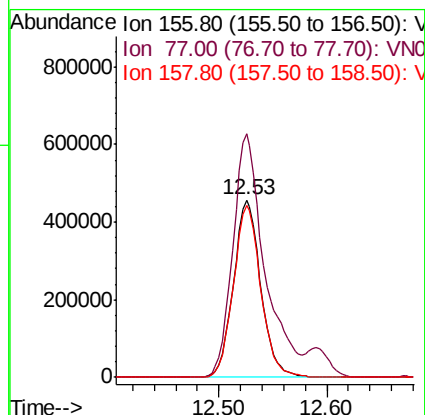
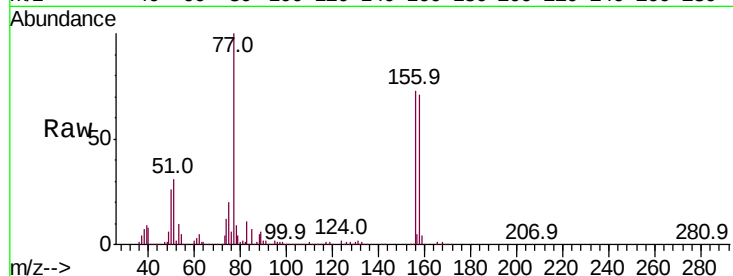
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	803626
Ion Ratio	Lower	Upper	
156	100		
77	161.1	81.5	244.4
158	97.7	49.0	147.2

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#78

n-propylbenzene

Concen: 50.642 ug/l

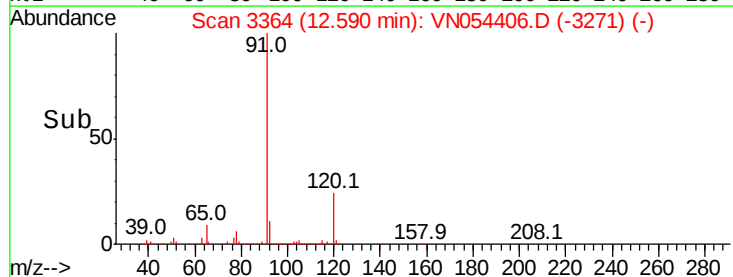
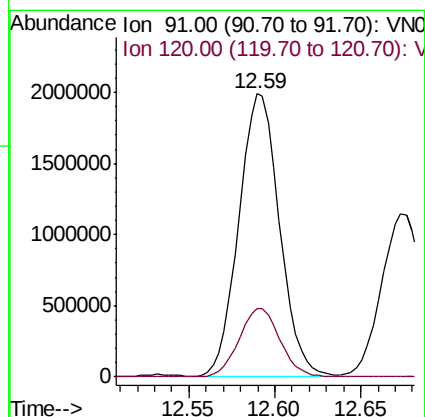
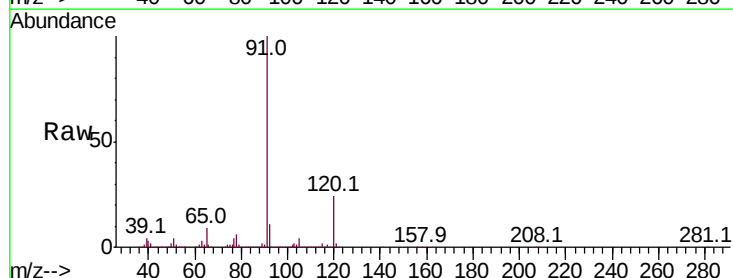
RT: 12.59 min Scan# 3364

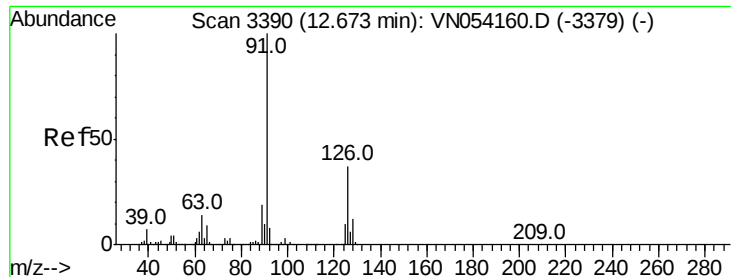
Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:	91	Resp:	3250515
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 51.287 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1979295

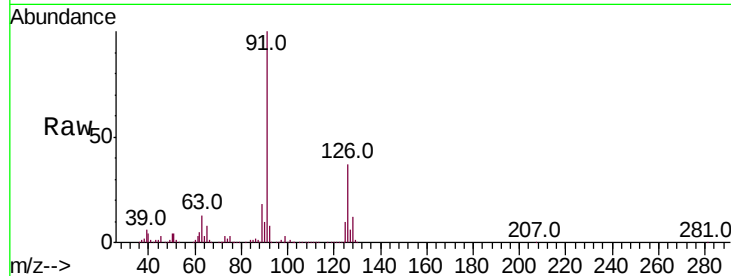
Ion Ratio Lower Upper

91 100

126 37.6 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VN054406.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN054406.D (-3297) (-)

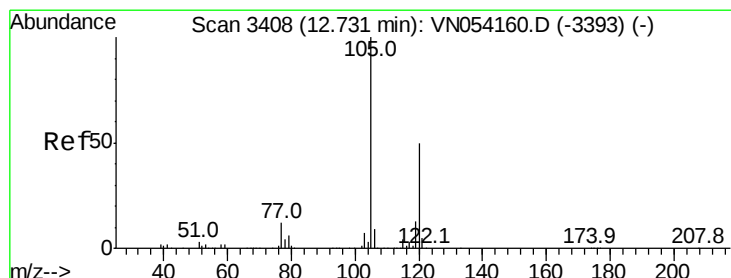
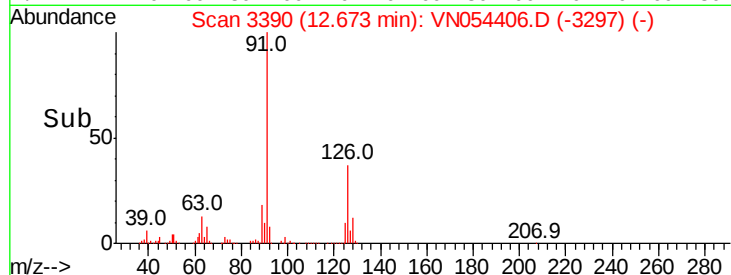
12.67

1000000

500000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.972 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054406.D

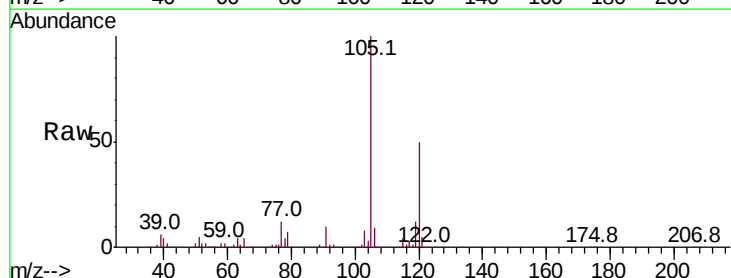
Acq: 18 Mar 2019 21:17

Tgt Ion: 105 Resp: 2458803

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054406.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054406.D (-3315) (-)

12.73

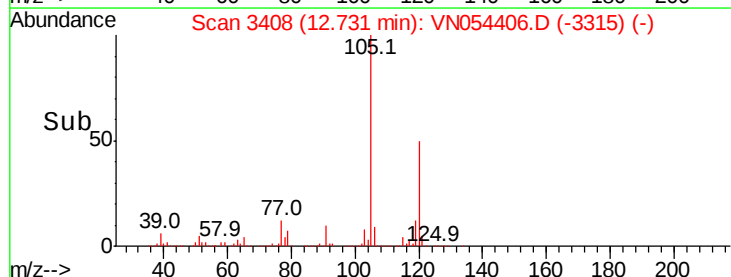
1500000

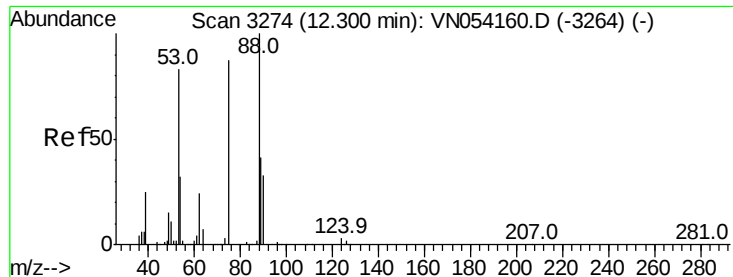
1000000

500000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 41.484 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

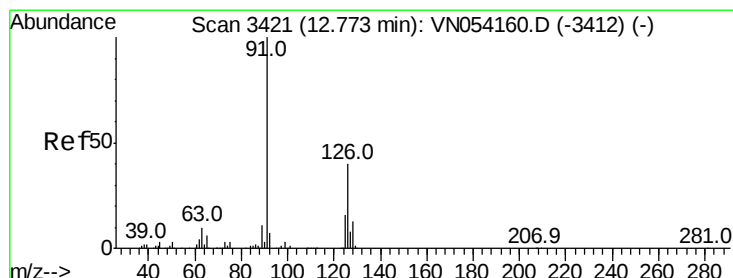
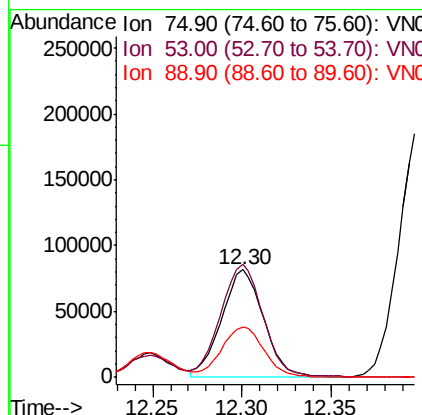
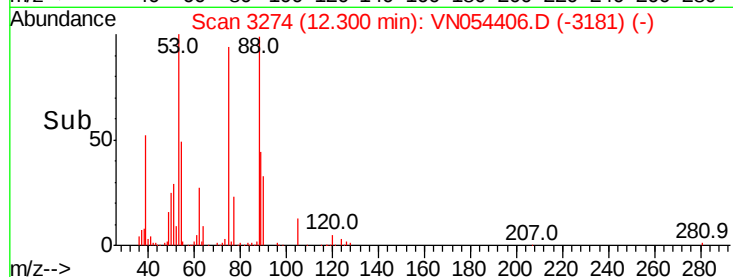
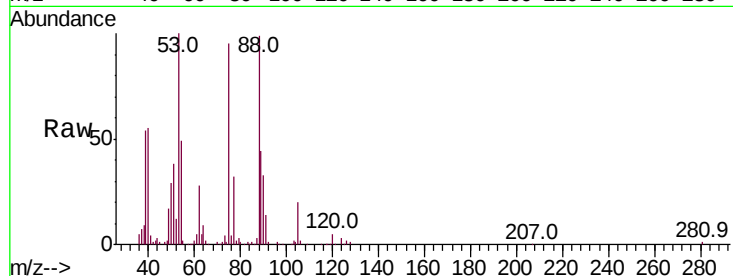
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	131945
Ion Ratio	Lower	Upper	
75	100		
53	108.1	76.2	114.2
89	48.5	39.2	58.8

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#82

4-Chlorotoluene

Concen: 50.752 ug/l

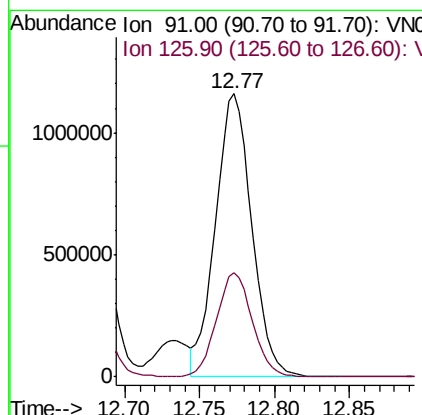
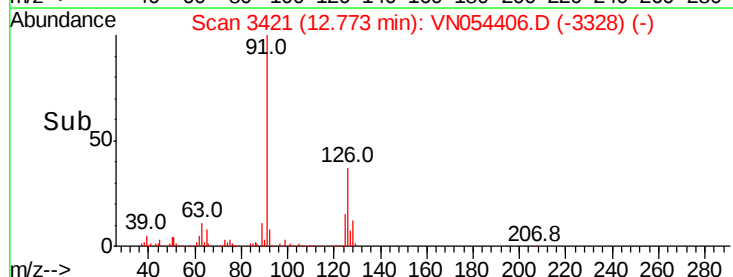
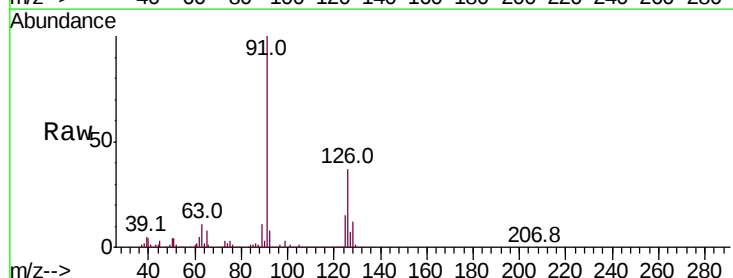
RT: 12.77 min Scan# 3421

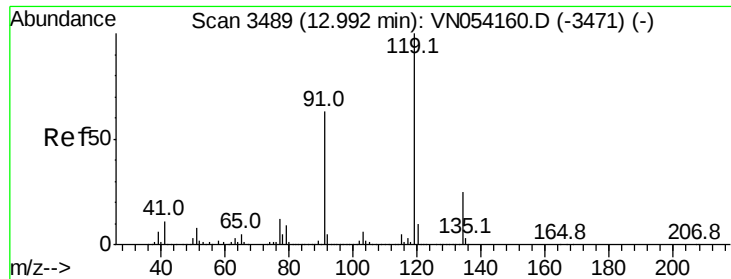
Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:	91	Resp:	1955782
Ion Ratio	Lower	Upper	
91	100		
126	36.6	18.1	54.1





#83

tert-Butylbenzene

Concen: 49.227 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

ClientSampleId :

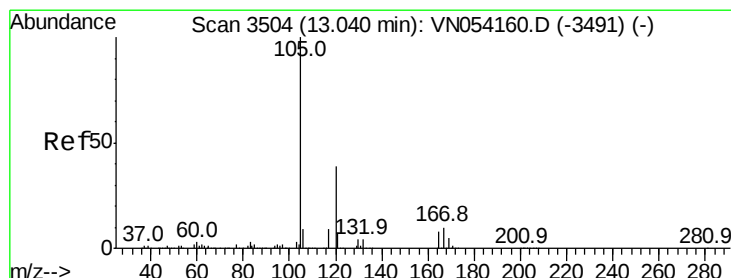
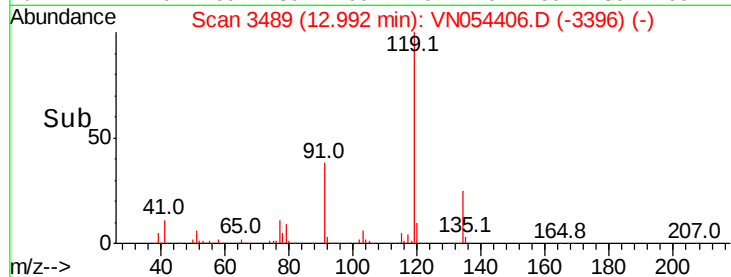
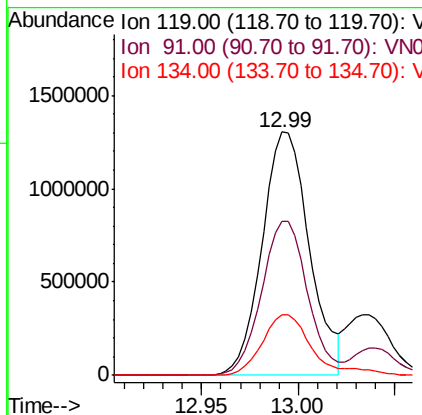
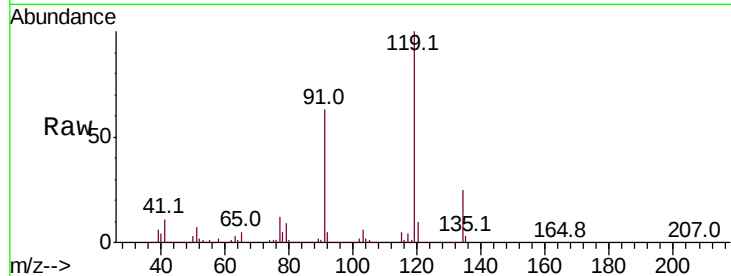
VSTDCCC050

Tot Ion:119 Resp: 2229444

Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.9	92.8
134	26.4	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 51.549 ug/l

RT: 13.04 min Scan# 3504

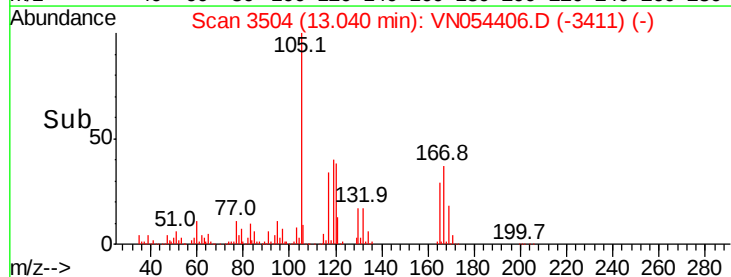
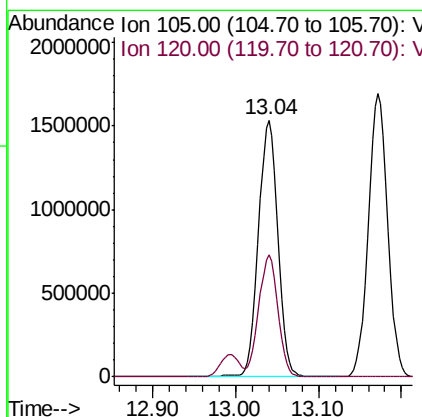
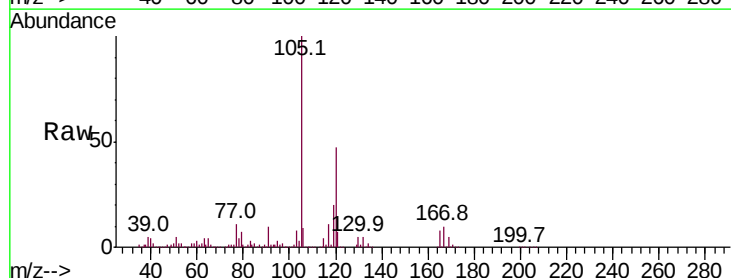
Delta R.T. 0.00 min

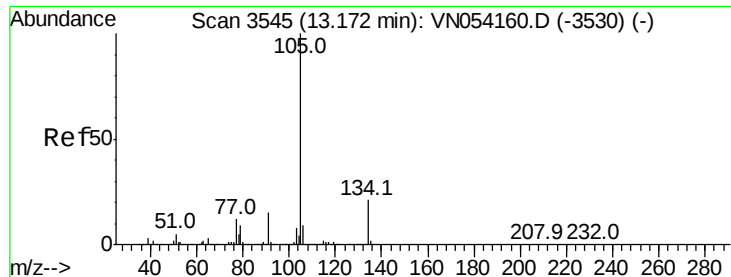
Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:105 Resp: 2488295

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.4	70.3





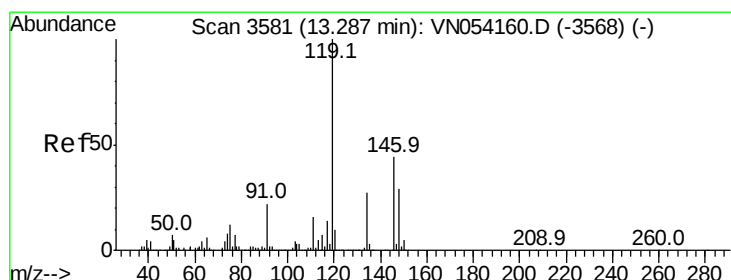
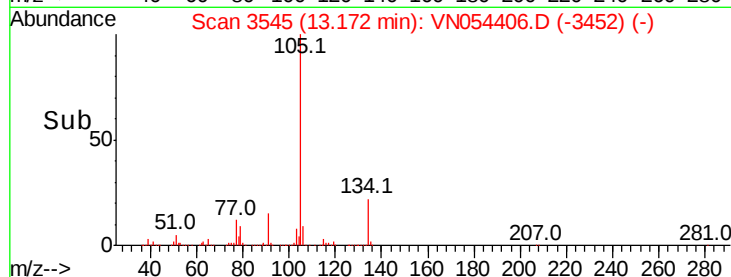
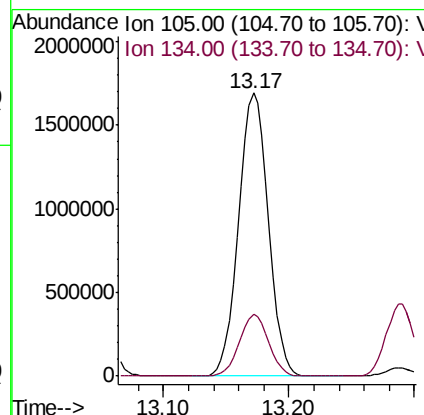
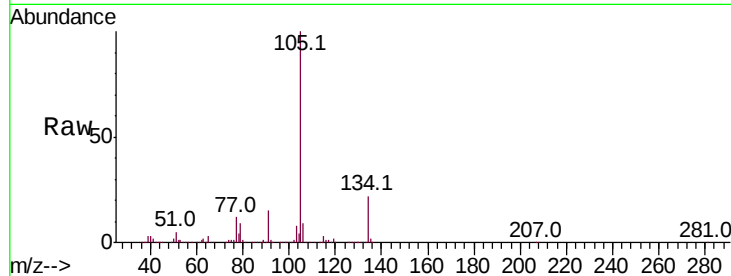
#85
 sec-Butylbenzene
 Concen: 47.281 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2776971
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.7 32.1

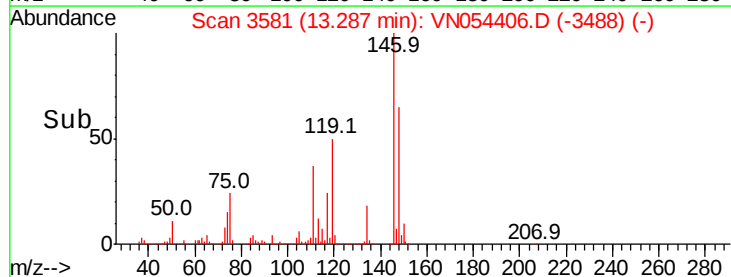
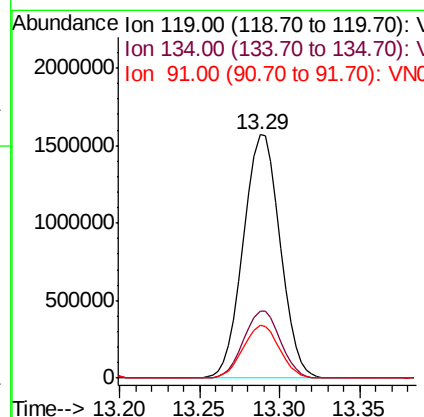
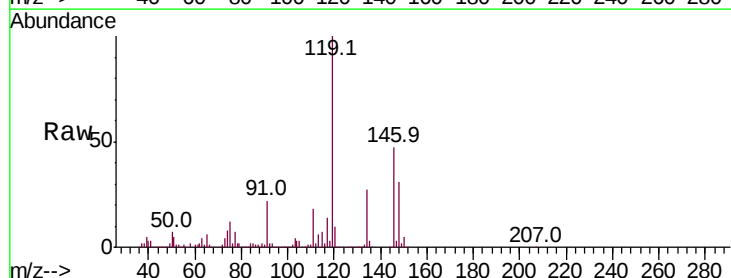
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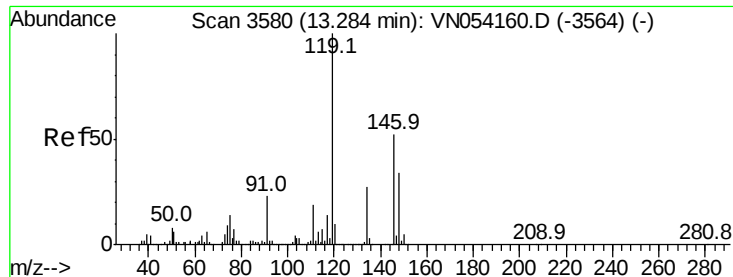
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#86
 p-Isopropyltoluene
 Concen: 47.699 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion:119 Resp: 2457796
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.8
 91 21.5 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 51.642 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

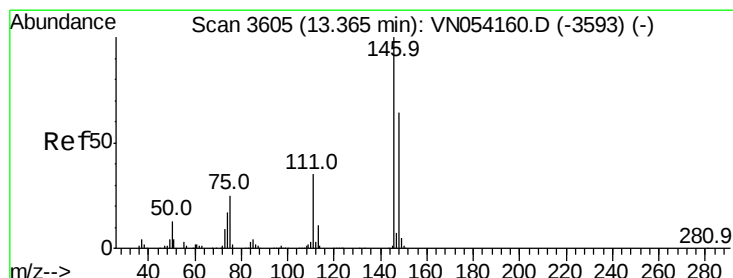
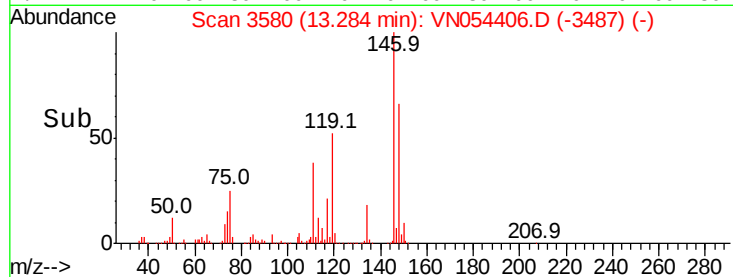
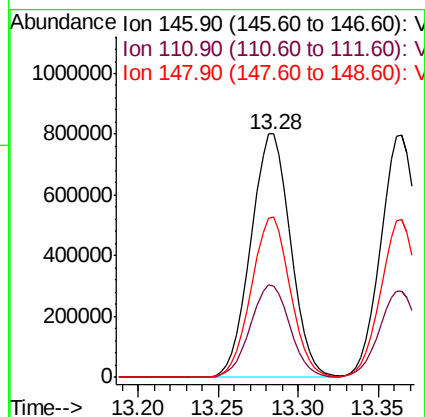
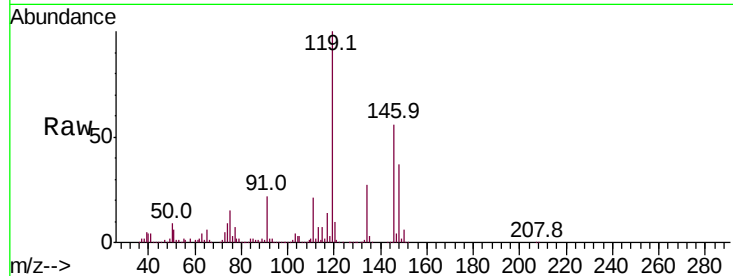
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 1362104

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	64.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 51.315 ug/l

RT: 13.36 min Scan# 3605

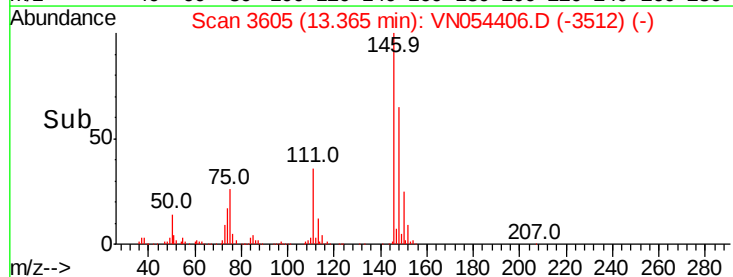
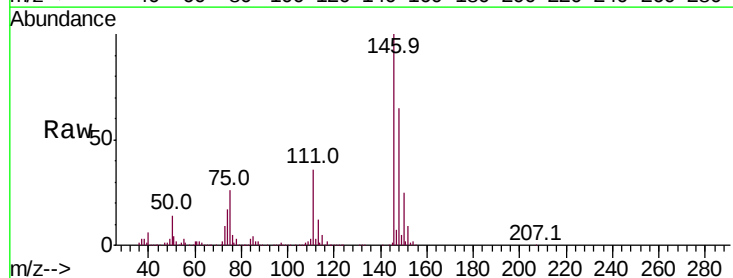
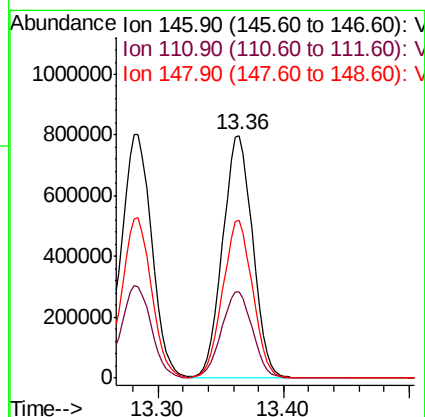
Delta R.T. 0.00 min

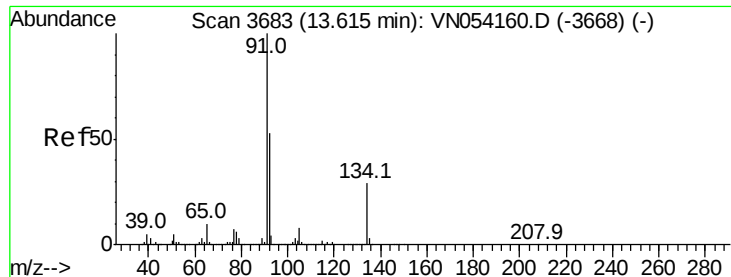
Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:146 Resp: 1329607

Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.1	54.1
148	64.6	32.0	96.0





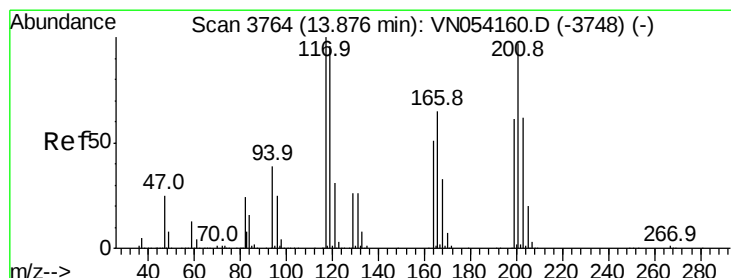
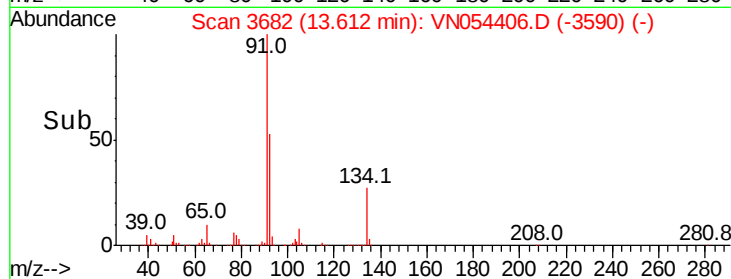
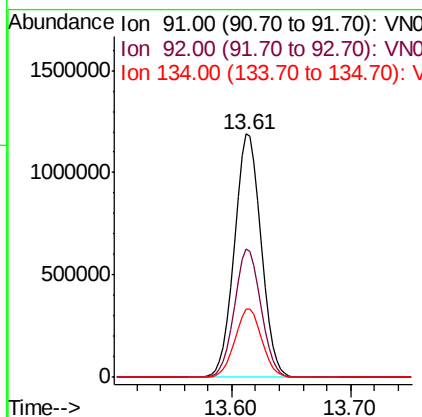
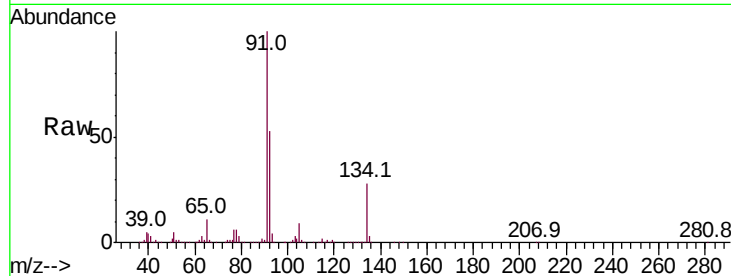
#89
n-Butylbenzene
Concen: 47.147 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.6
134	28.3	14.3	42.9

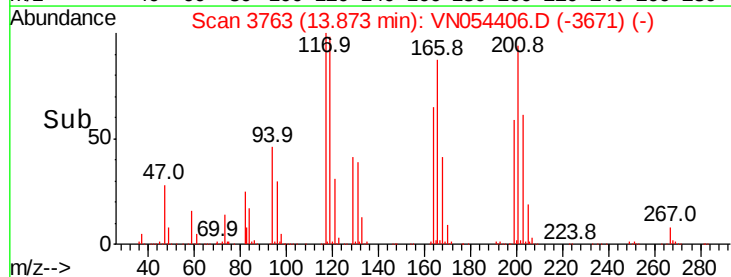
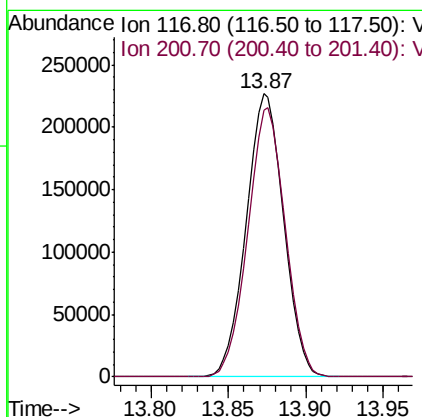
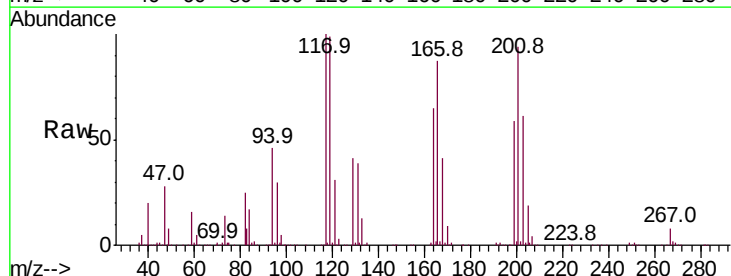
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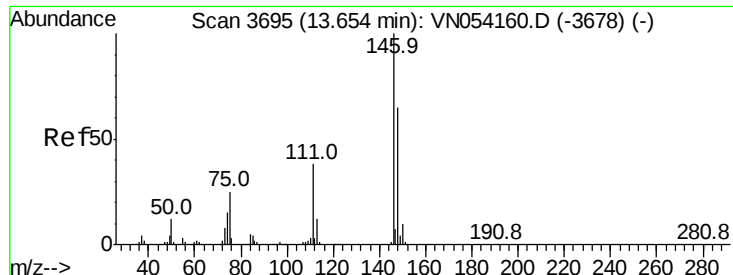
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#90
Hexachloroethane
Concen: 44.838 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	48.1	144.4





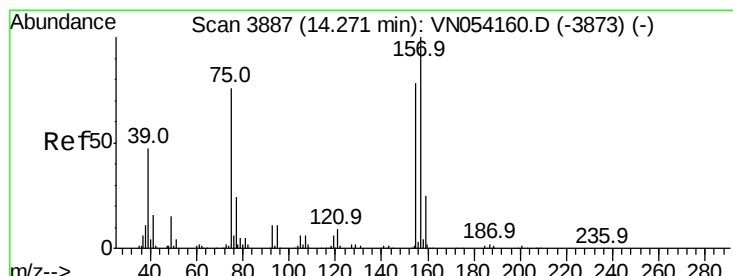
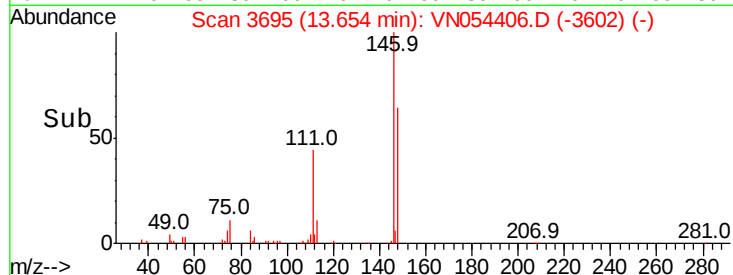
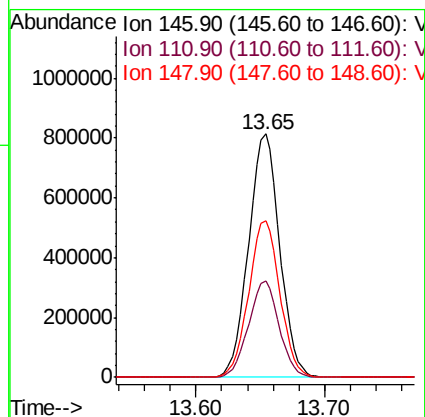
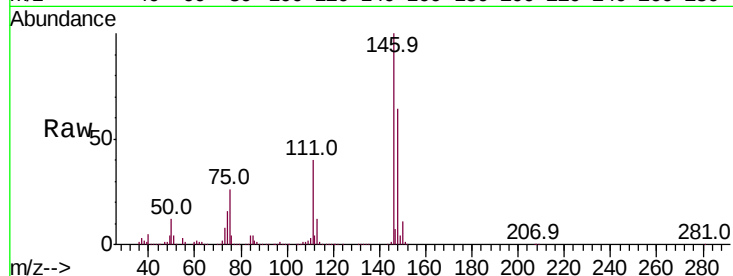
#91
 1,2-Dichlorobenzene
 Concen: 53.019 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.3
148	64.4	32.4	97.0

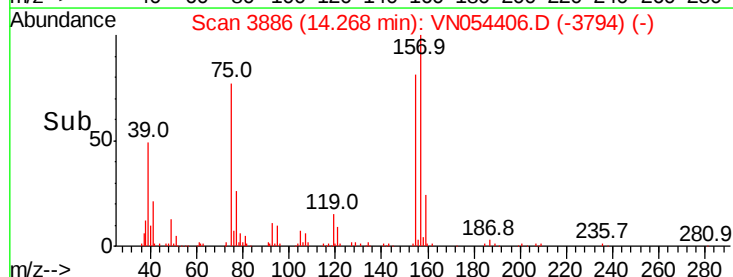
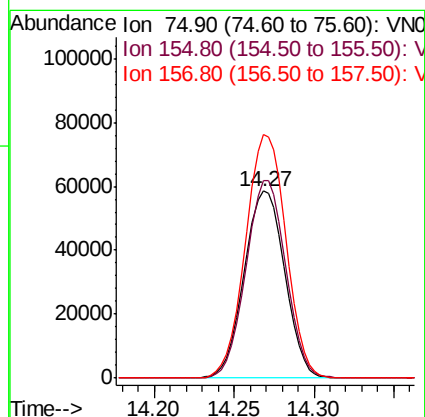
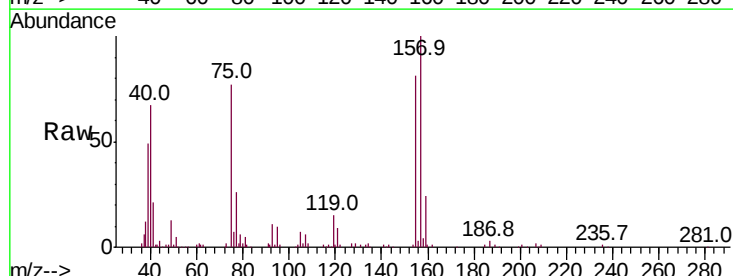
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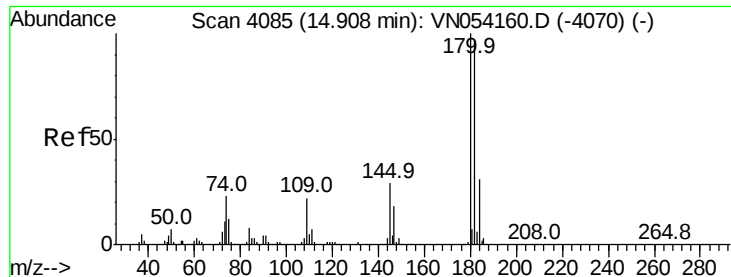
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 3/19/2019 9:22:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.069 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054406.D
 Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.4	50.1	150.3
157	129.5	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 44.670 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Instrument :

MSVOA_N

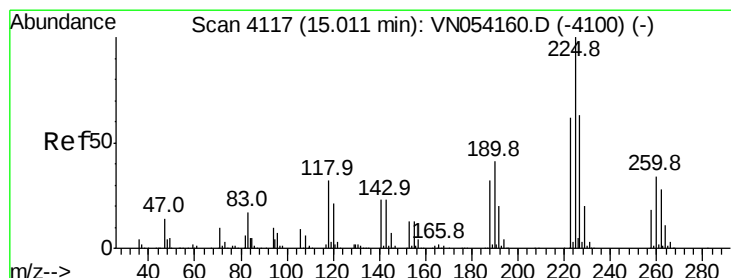
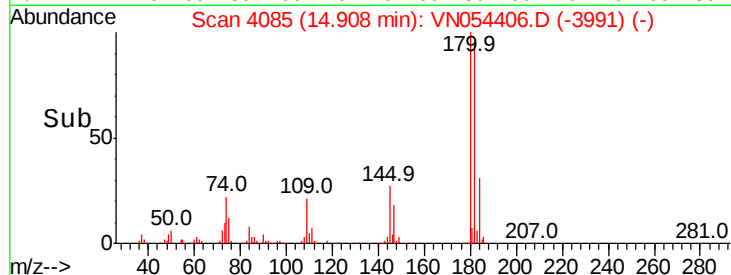
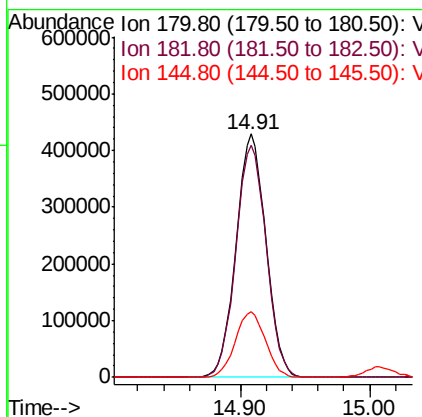
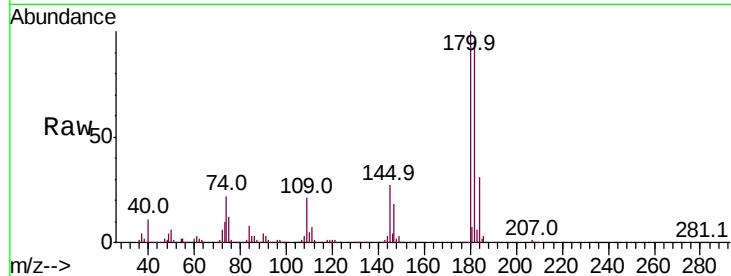
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	690982
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.0	144.2
145	27.3	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:22:31 AM



#94

Hexachlorobutadiene

Concen: 40.212 ug/l

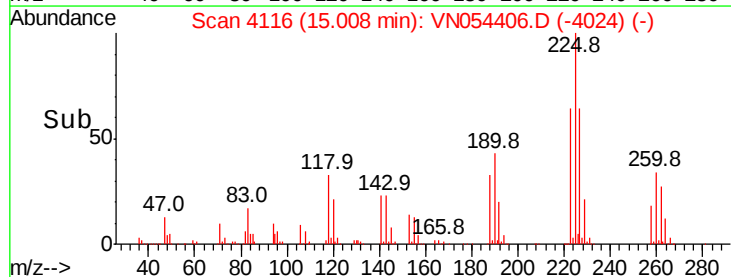
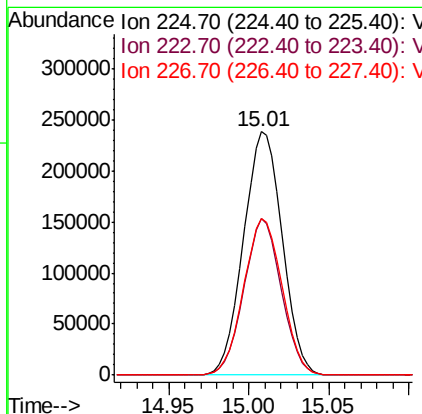
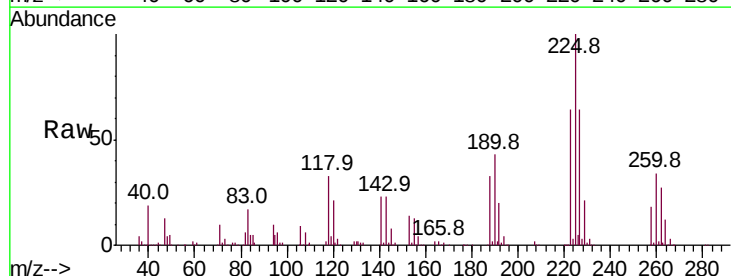
RT: 15.01 min Scan# 4116

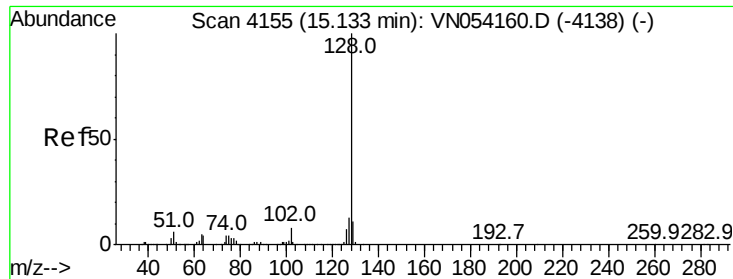
Delta R.T. -0.00 min

Lab File: VN054406.D

Acq: 18 Mar 2019 21:17

Tgt Ion:	225	Resp:	394934
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.1	93.5
227	63.9	31.9	95.9





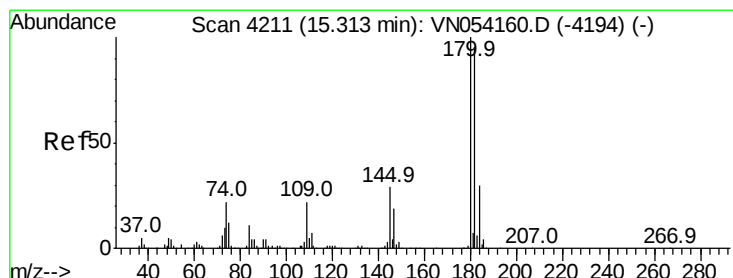
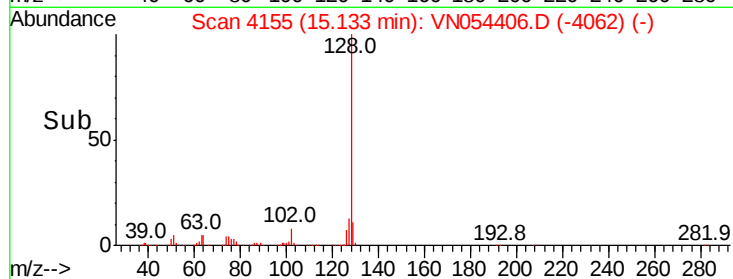
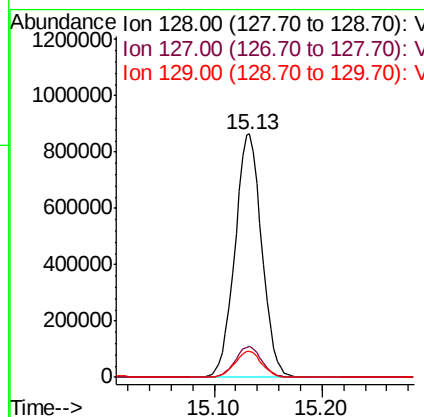
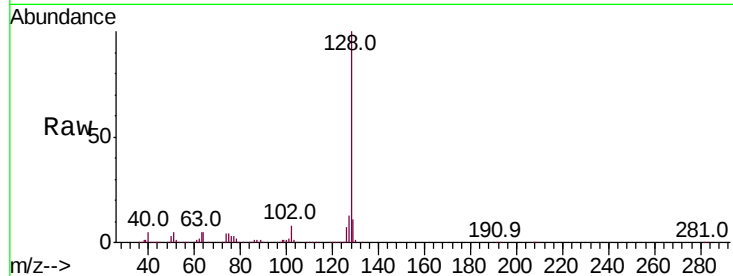
#95
Naphthalene
Concen: 46.333 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:22:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.584 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054406.D
Acq: 18 Mar 2019 21:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.6
145	29.2	14.8	44.3

