

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054091.D
 Acq On : 5 Mar 2019 11:08
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 9:15:28 AM

Quant Time: Mar 06 02:43:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	713797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1080387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	954629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	446611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	390442	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
35) Dibromofluoromethane	7.59	113	349637	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	10.09	98	1317396	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.40	95	442653	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	290989	44.296	ug/l	100
3) Chloromethane	2.06	50	400467	43.949	ug/l	100
4) Vinyl Chloride	2.19	62	407136	44.594	ug/l	99
5) Bromomethane	2.57	94	256032	42.344	ug/l	100
6) Chloroethane	2.71	64	242950	42.788	ug/l	99
7) Trichlorofluoromethane	3.02	101	521063	44.674	ug/l	99
8) Diethyl Ether	3.41	74	199600	45.677	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	342897	46.548	ug/l	95
10) Methyl Iodide	3.95	142	459337	47.455	ug/l	98
11) Tert butyl alcohol	4.77	59	119920	226.078	ug/l	99
12) 1,1-Dichloroethene	3.74	96	315031	44.709	ug/l	95
13) Acrolein	3.61	56	90040	163.953	ug/l	100
14) Allyl chloride	4.32	41	571980	46.282	ug/l	96
15) Acrylonitrile	4.98	53	673693	240.978	ug/l	100
16) Acetone	3.81	43	626562	284.564	ug/l	98
17) Carbon Disulfide	4.05	76	949969	41.791	ug/l	100
18) Methyl Acetate	4.32	43	294836	50.393	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	901933	47.716	ug/l	99
20) Methylene Chloride	4.55	84	368111	44.451	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	342282	44.881	ug/l	91
22) Diisopropyl ether	5.95	45	1162417	48.755	ug/l	96
23) Vinyl Acetate	5.89	43	4100362	239.065	ug/l	96
24) 1,1-Dichloroethane	5.85	63	667360	45.644	ug/l	98
25) 2-Butanone	6.83	43	822313	250.292	ug/l	97
26) 2,2-Dichloropropane	6.82	77	497705	47.913	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	394255	46.484	ug/l	94
28) Bromochloromethane	7.19	49	335778	50.173	ug/l	83
29) Tetrahydrofuran	7.21	42	513949	234.909	ug/l	92
30) Chloroform	7.37	83	650068	45.853	ug/l	100
31) Cyclohexane	7.65	56	623905	46.601	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	534486	45.723	ug/l	97
36) 1,1-Dichloropropene	7.79	75	510344	50.795	ug/l	97
37) Ethyl Acetate	6.93	43	340020	47.396	ug/l	97
38) Carbon Tetrachloride	7.77	117	477154	45.663	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	609954	50.368	ug/l	95
40) Benzene	8.04	78	1503981	48.727	ug/l	98
41) Methacrylonitrile	7.18	41	191150	41.379	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	468251	49.002	ug/l	97
43) Isopropyl Acetate	8.16	43	575626	47.522	ug/l #	90
44) Trichloroethene	8.83	130	403120	49.264	ug/l	96
45) 1,2-Dichloropropane	9.12	63	408537	49.060	ug/l	99
46) Dibromomethane	9.21	93	233682	48.337	ug/l	93
47) Bromodichloromethane	9.40	83	499573	49.034	ug/l	100
48) Methyl methacrylate	9.20	41	286414	51.406	ug/l	93
49) 1,4-Dioxane	9.20	88	75748	1003.776	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1625754	261.190	ug/l	97
52) Toluene	10.16	92	911210	50.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	509450	51.391	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	594680	50.886	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	333559	49.143	ug/l	99
56) Ethyl methacrylate	10.43	69	417095	46.988	ug/l	91
57) 1,3-Dichloropropane	10.71	76	576043	50.229	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	946589	229.625	ug/l	96
59) 2-Hexanone	10.75	43	1078461	266.402	ug/l	94
60) Dibromochloromethane	10.90	129	367319	48.694	ug/l	100
61) 1,2-Dibromoethane	11.00	107	322156	49.202	ug/l	98
64) Tetrachloroethene	10.63	164	394540	48.807	ug/l	97
65) Chlorobenzene	11.43	112	989055	49.092	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	356797	49.138	ug/l	99
67) Ethyl Benzene	11.51	91	1705595	50.498	ug/l	98
68) m/p-Xylenes	11.62	106	1305120	102.382	ug/l	96
69) o-Xylene	11.95	106	628870	50.207	ug/l	97
70) Styrene	11.96	104	1022401	53.069	ug/l	99
71) Bromoform	12.13	173	252763	50.038	ug/l #	99
73) Isopropylbenzene	12.25	105	1674589	48.168	ug/l	99
74) N-amyl acetate	12.07	43	457019	50.156	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	399309	45.931	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	325291m	45.404	ug/l	
77) Bromobenzene	12.53	156	413349	46.829	ug/l	90
78) n-propylbenzene	12.59	91	1985294	50.213	ug/l	98
79) 2-Chlorotoluene	12.67	91	1148337	48.349	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1430757	50.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	106922	47.169	ug/l	93
82) 4-Chlorotoluene	12.77	91	1160405	49.434	ug/l	97
83) tert-Butylbenzene	12.99	119	1223062	48.587	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1454137	51.176	ug/l	98
85) sec-Butylbenzene	13.17	105	1723992	50.144	ug/l	98
86) p-Isopropyltoluene	13.29	119	1499599	51.594	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	752333	49.271	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	739131	49.894	ug/l	99
89) n-Butylbenzene	13.62	91	1329975	54.296	ug/l	98
90) Hexachloroethane	13.87	117	261663	46.458	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	725018	49.051	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58842	47.895	ug/l	91

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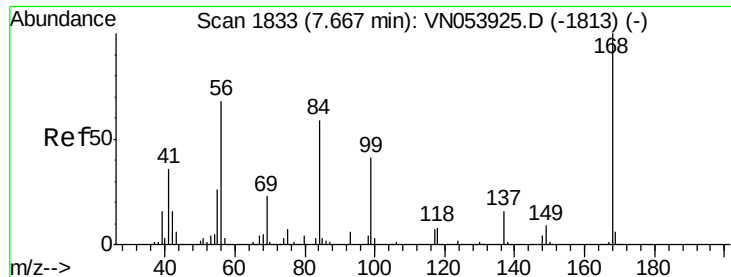
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	397936	48.544	ug/l	98
94) Hexachlorobutadiene	15.01	225	269437	50.463	ug/l	99
95) Naphthalene	15.13	128	770379	43.978	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	376965	47.941	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 713797

Ion Ratio Lower Upper

168 100

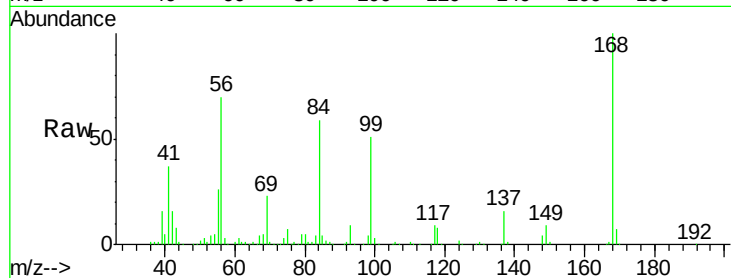
99 50.8 36.9 55.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

250000

200000

150000

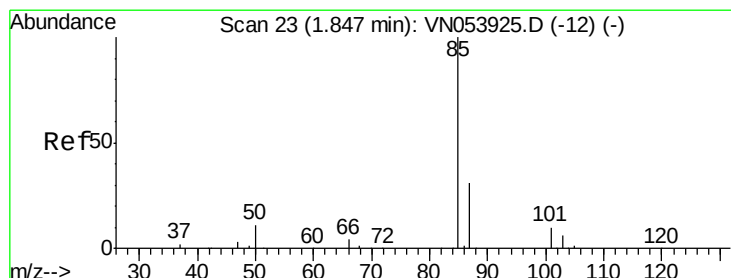
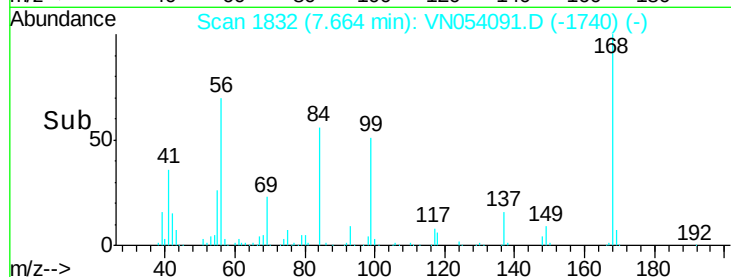
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 44.296 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054091.D

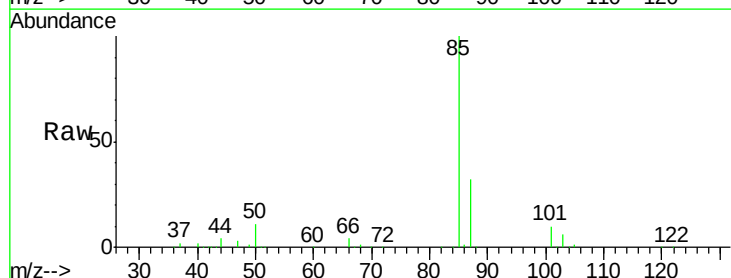
Acq: 5 Mar 2019 11:08

Tgt Ion: 85 Resp: 290989

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

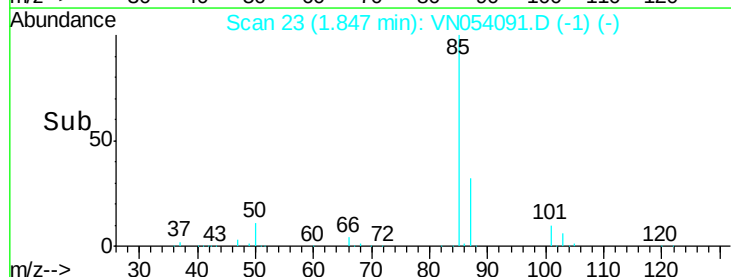
100000

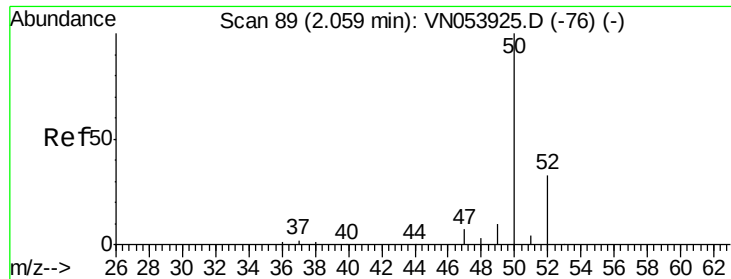
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 43.949 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 400467

Ion Ratio Lower Upper

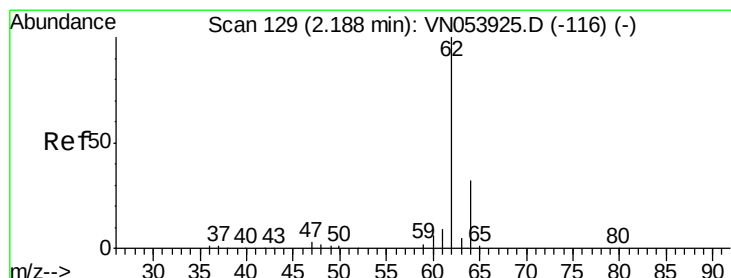
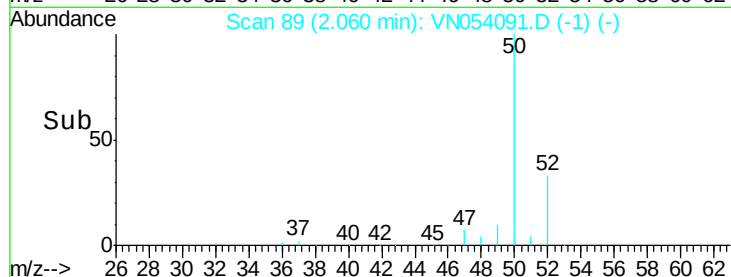
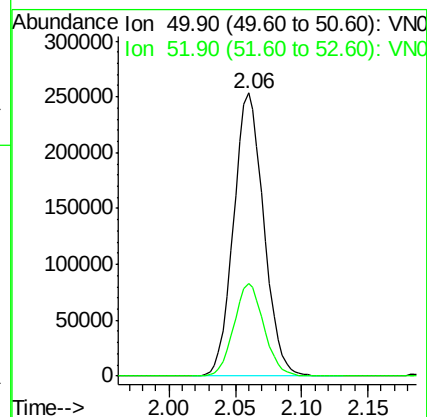
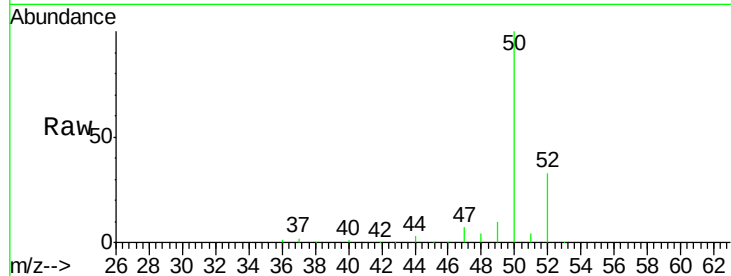
50 100

52 32.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 44.594 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN054091.D

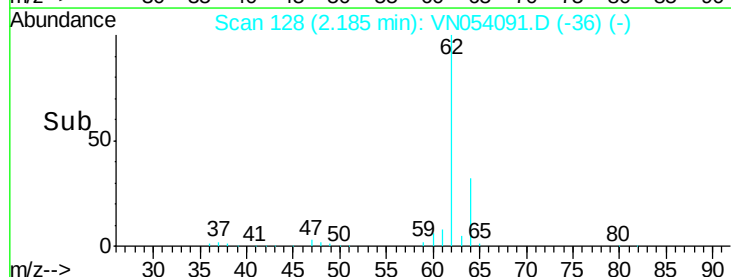
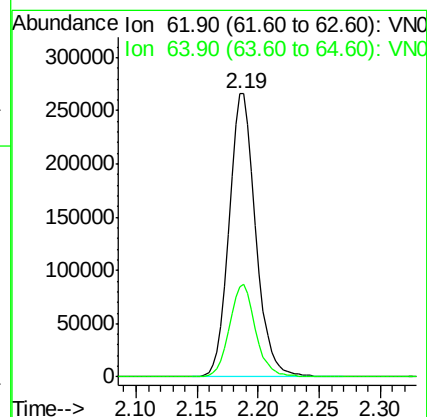
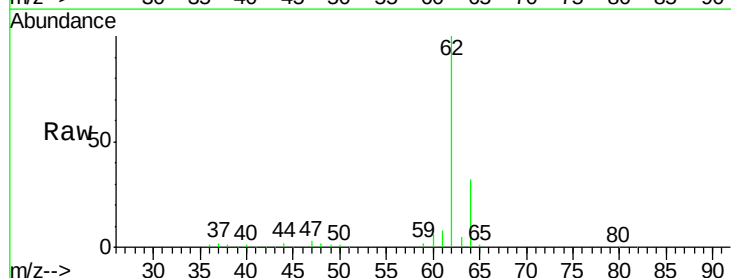
Acq: 5 Mar 2019 11:08

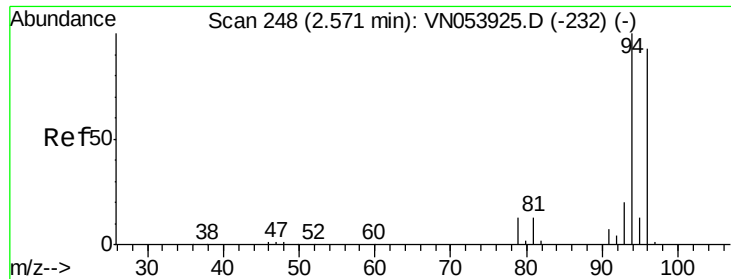
Tgt Ion: 62 Resp: 407136

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 42.344 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 256032

Ion Ratio Lower Upper

94 100

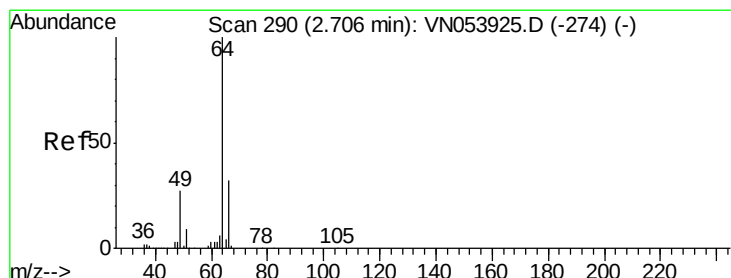
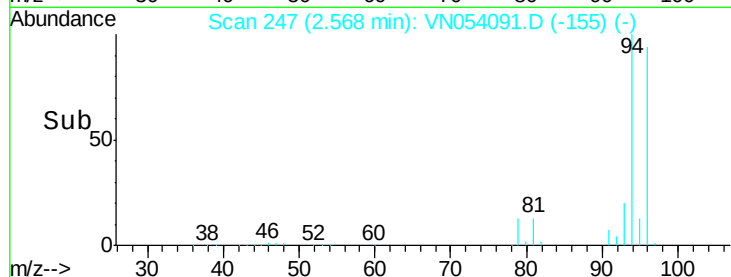
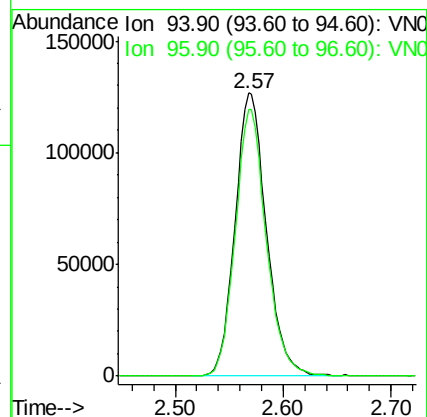
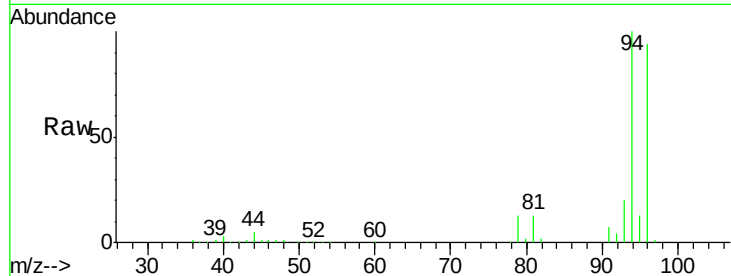
96 94.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 42.788 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN054091.D

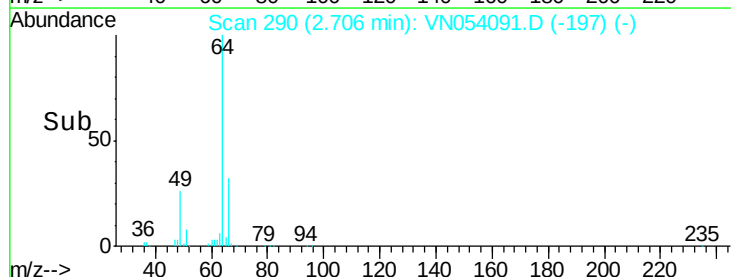
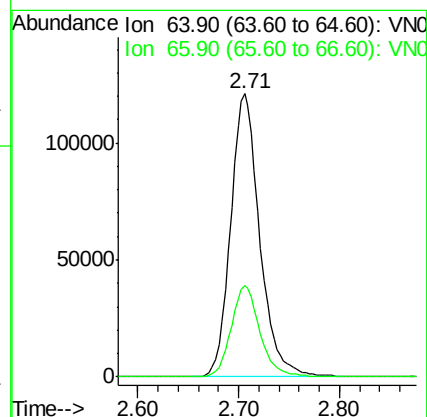
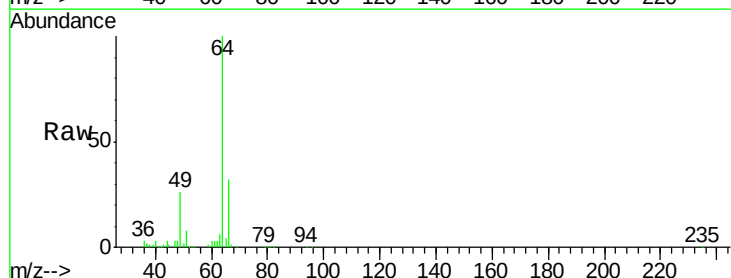
Acq: 5 Mar 2019 11:08

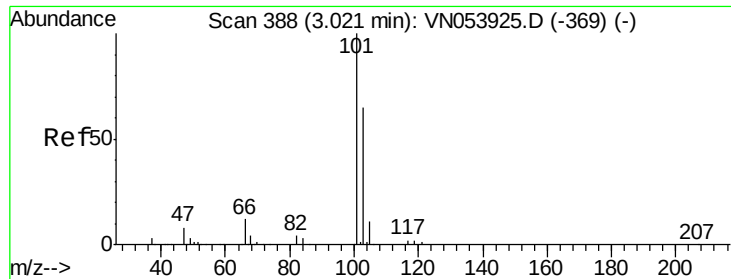
Tgt Ion: 64 Resp: 242950

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3





#7

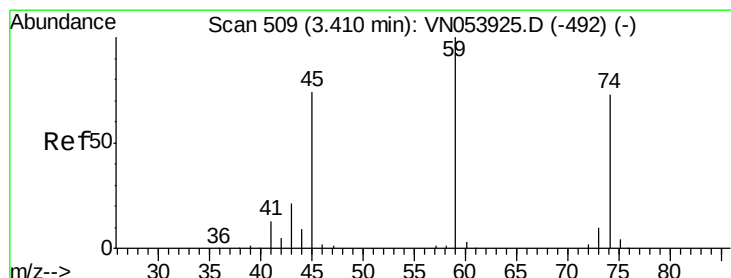
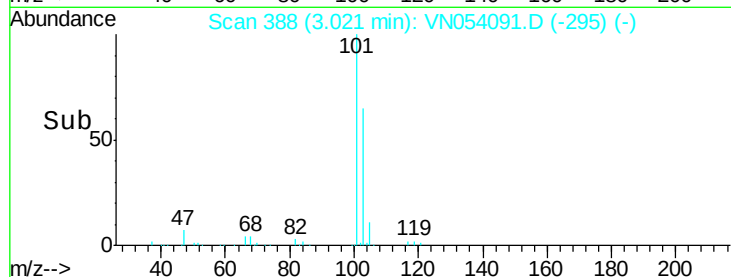
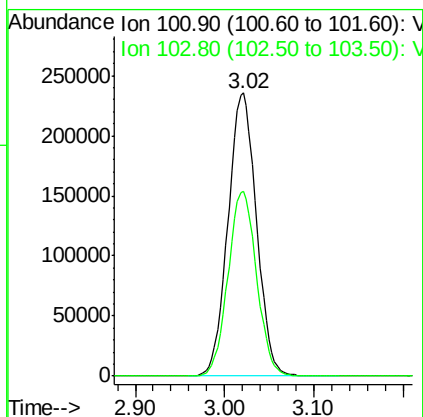
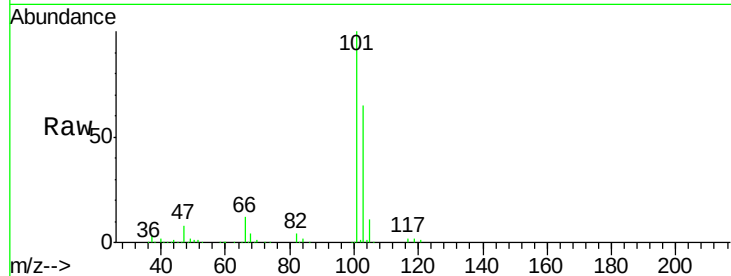
Trichlorofluoromethane
 Concen: 44.674 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.9	77.9

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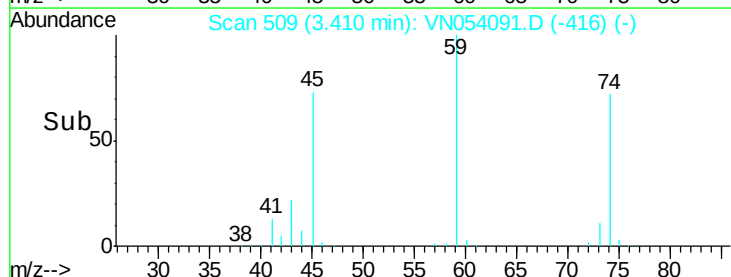
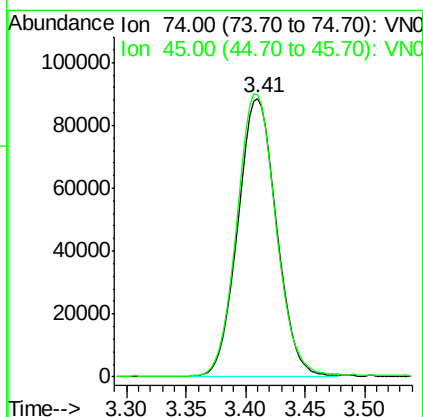
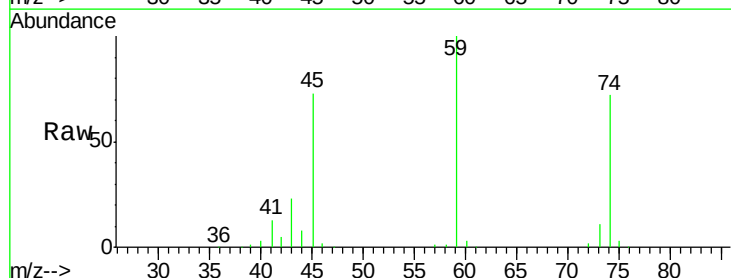
MMDadoda
 3/6/2019 9:15:28 AM

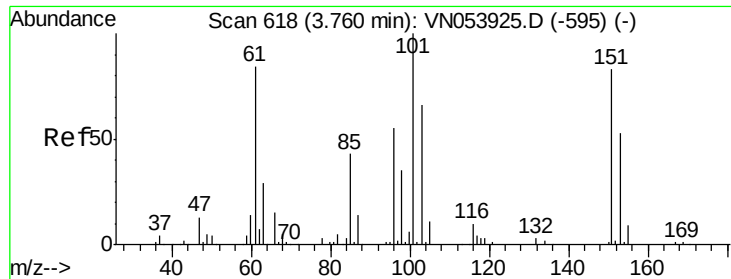


#8

Diethyl Ether
 Concen: 45.677 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.548 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

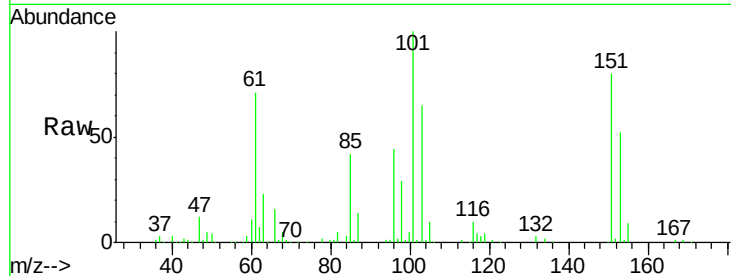
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	342897
Ion Ratio	Lower	Upper	
101	100		
85	42.1	32.5	48.7
151	82.0	70.2	105.2

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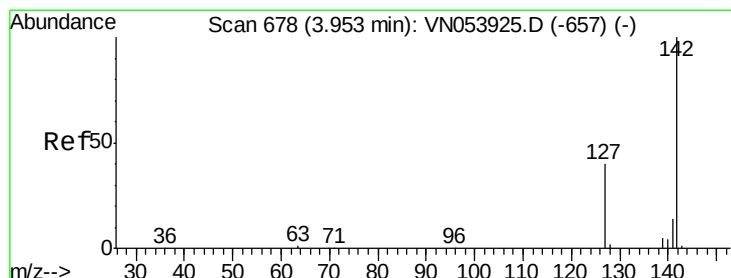
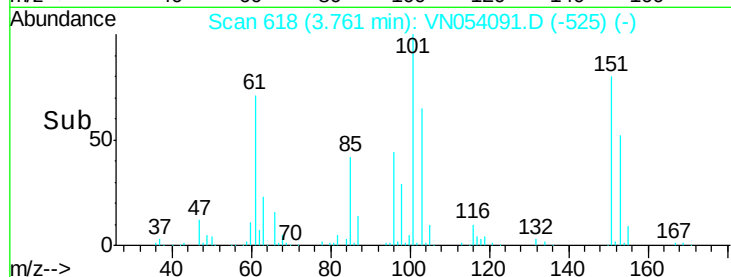
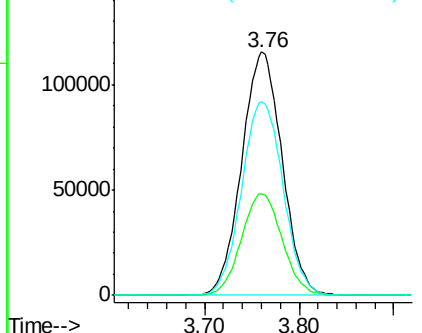


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.455 ug/l

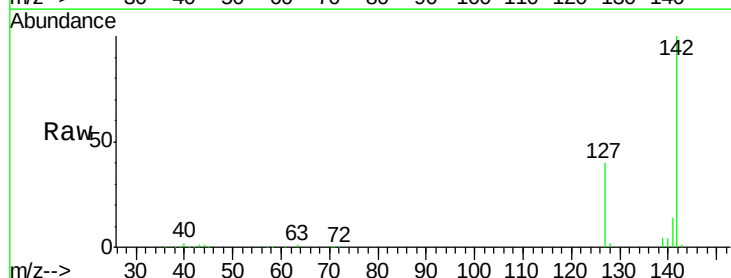
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	142	Resp:	459337
Ion Ratio	Lower	Upper	
142	100		
127	40.4	31.0	46.4
141	14.3	11.3	16.9

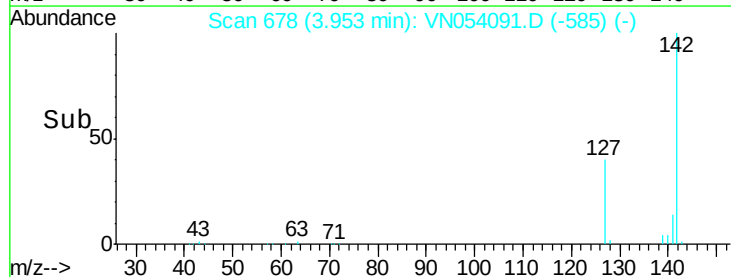
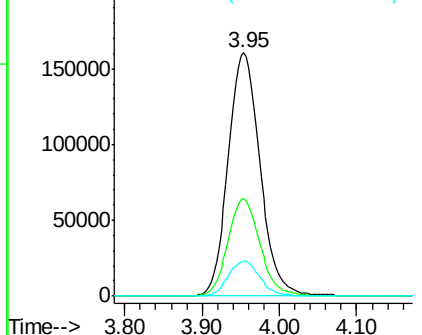


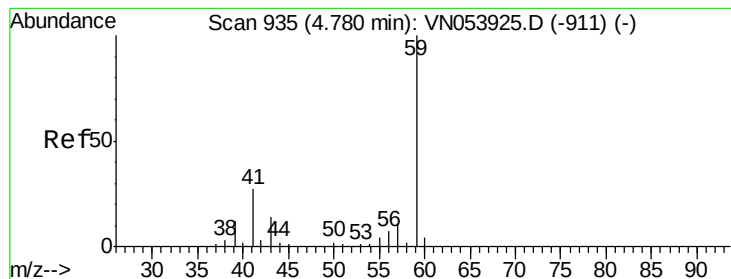
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

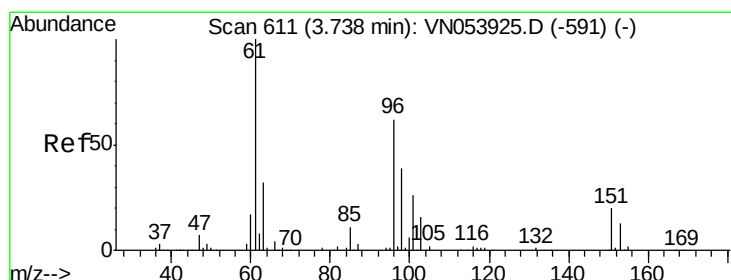
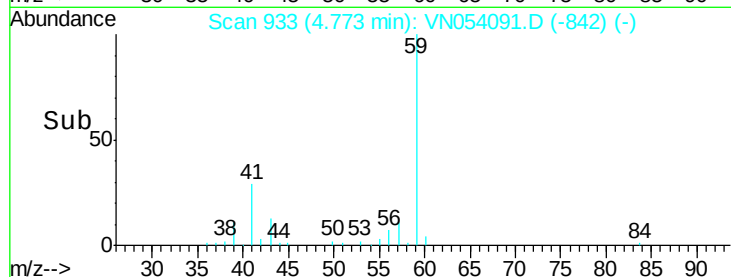
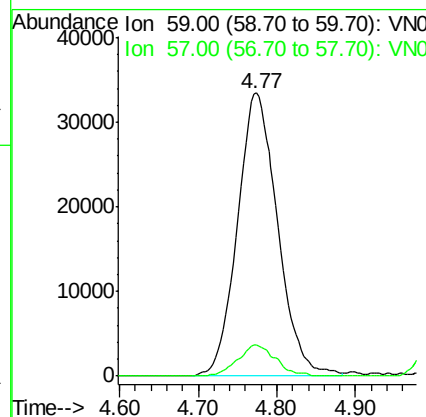
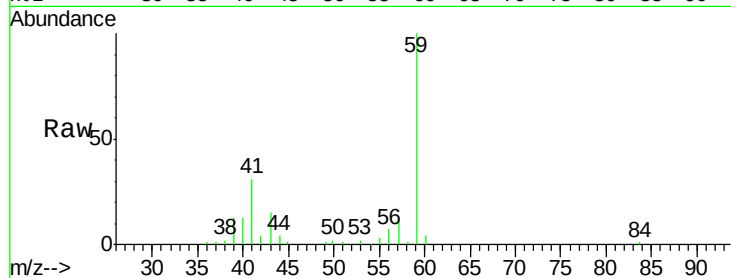
Tert butyl alcohol
 Concen: 226.078 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	119920		
57	10.4		8.1	12.1

Manual Integrations
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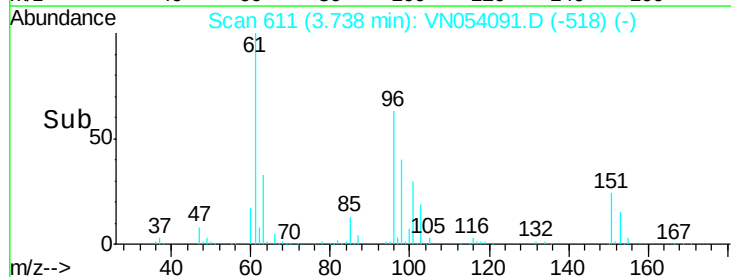
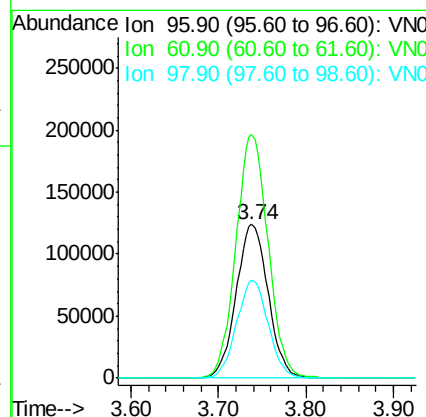
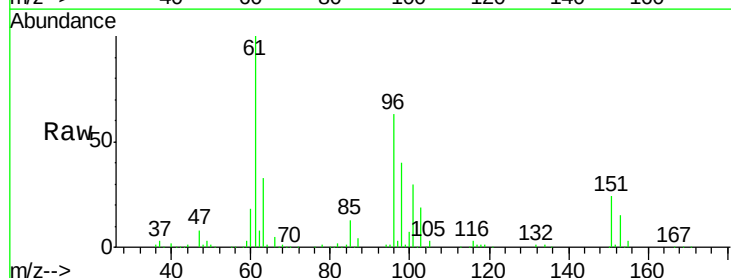
MMDadoda
 3/6/2019 9:15:28 AM

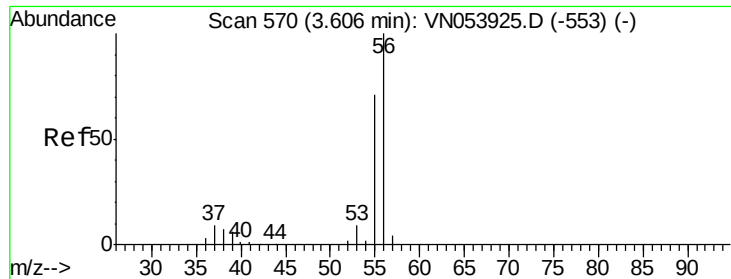


#12

1,1-Dichloroethene
 Concen: 44.709 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	315031		
61	158.1		121.0	181.4
98	63.2		52.2	78.2





#13

Acrolein

Concen: 163.953 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 90040

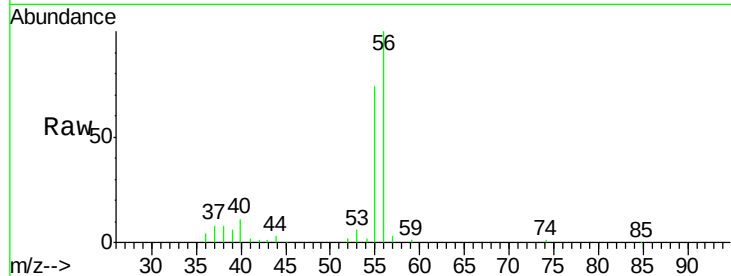
Ion Ratio Lower Upper

56 100

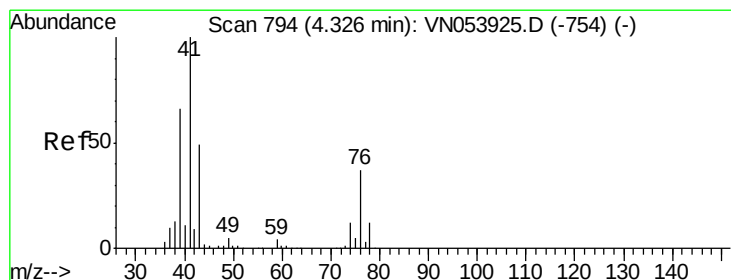
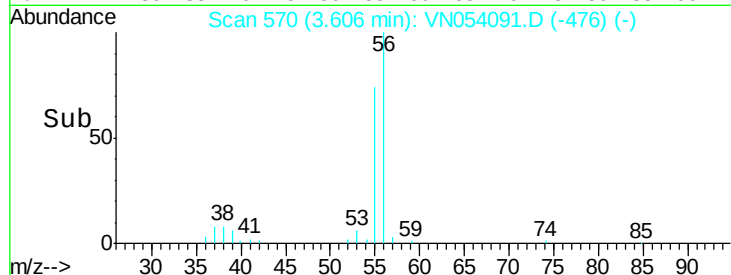
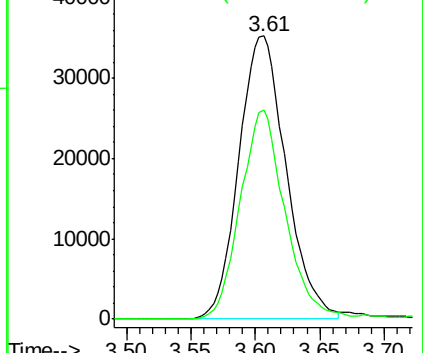
55 70.0 56.3 84.5

Manual Integrations
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3/6/2019 9:15:28 AM



Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-553) (-)



#14

Allyl chloride

Concen: 46.282 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

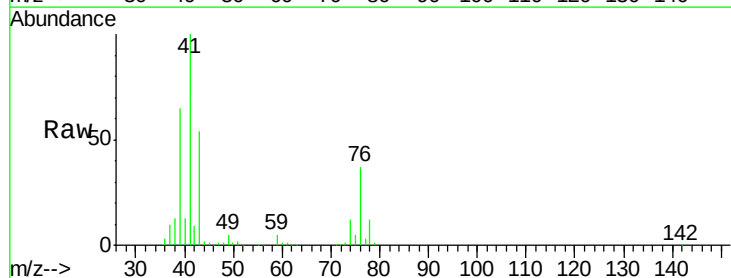
Tgt Ion: 41 Resp: 571980

Ion Ratio Lower Upper

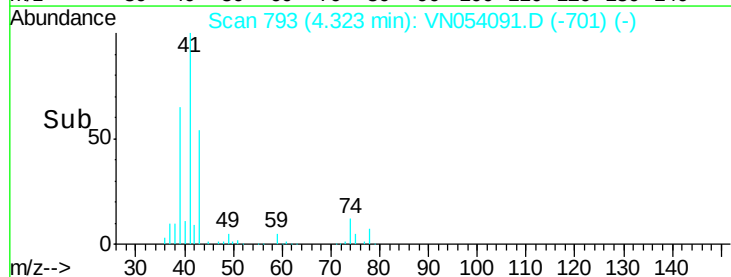
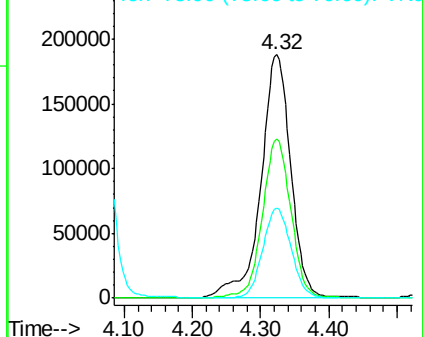
41 100

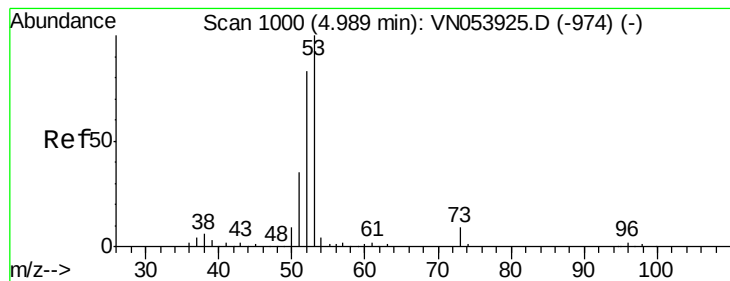
39 62.5 48.8 73.2

76 34.6 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VN053925.D (-754) (-)





#15

Acrylonitrile

Concen: 240.978 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

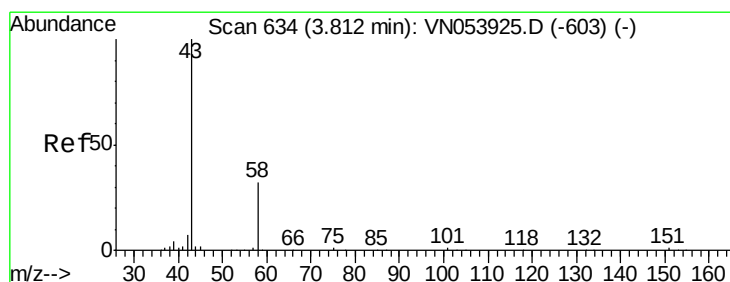
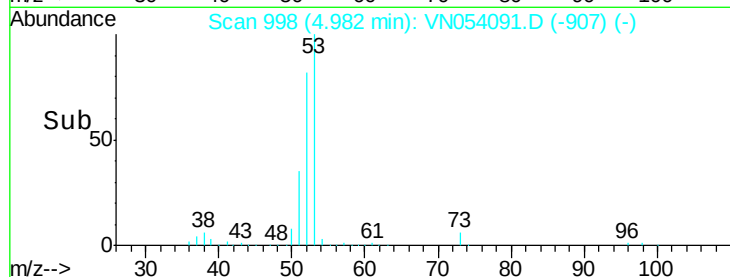
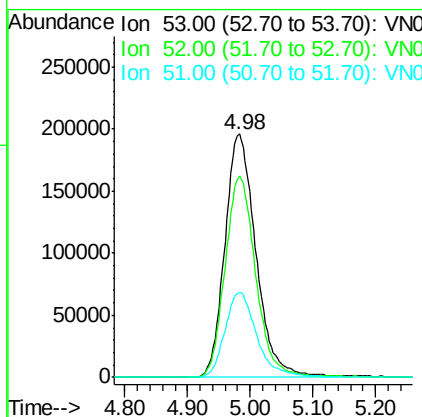
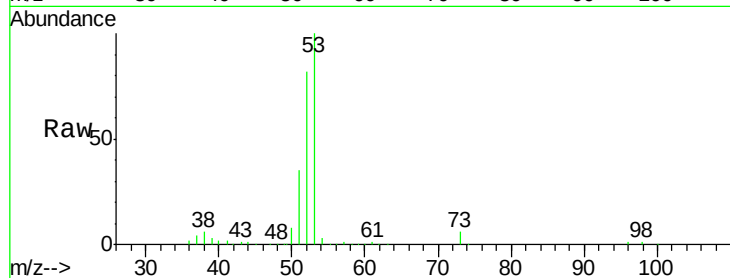
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	673693
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.1	97.7
51	35.8	28.2	42.4

Manual Integrations
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MMDadoda
3/6/2019 9:15:28 AM



#16

Acetone

Concen: 284.564 ug/l

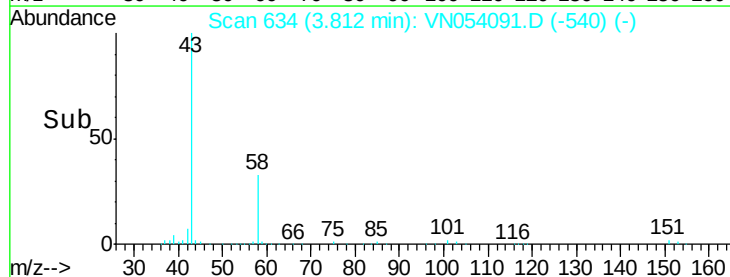
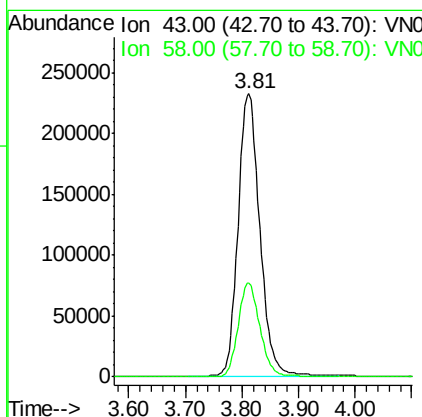
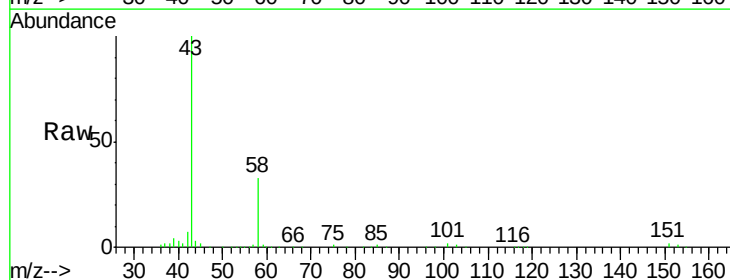
RT: 3.81 min Scan# 634

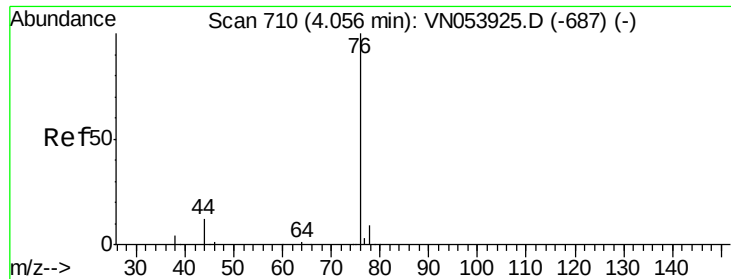
Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	43	Resp:	626562
Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.6	41.4





#17

Carbon Disulfide

Concen: 41.791 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 949969

Ion Ratio Lower Upper

76 100

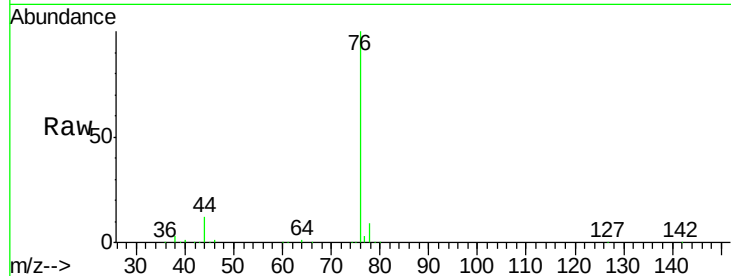
78 9.4 7.5 11.3

Manual Integrations

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MMDadoda

3/6/2019 9:15:28 AM



Abundance Ion 75.90 (75.60 to 76.60): VN053925.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN053925.D (-687) (-)

4.05

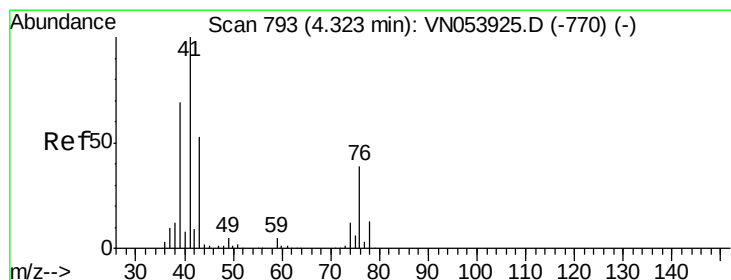
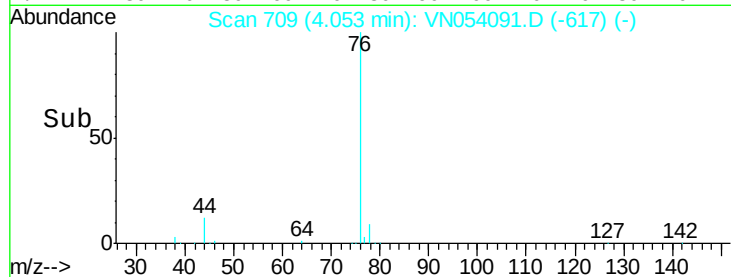
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.393 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054091.D

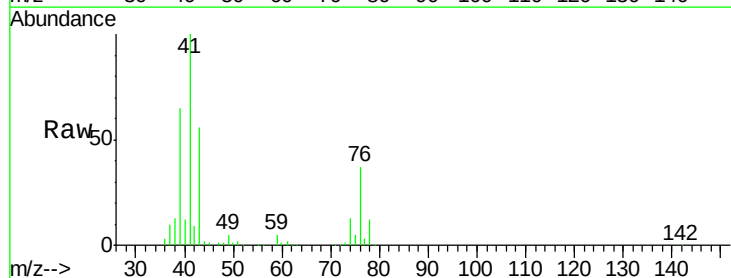
Acq: 5 Mar 2019 11:08

Tgt Ion: 43 Resp: 294836

Ion Ratio Lower Upper

43 100

74 23.5 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN053925.D (-770) (-)

4.32

120000

100000

80000

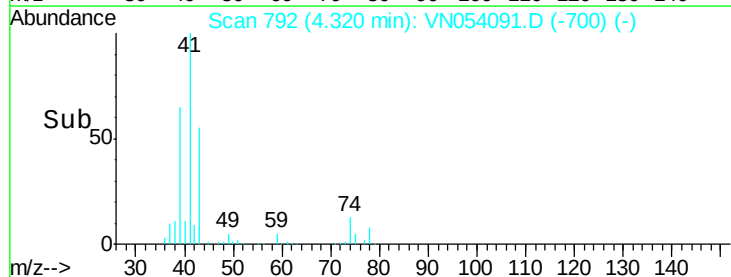
60000

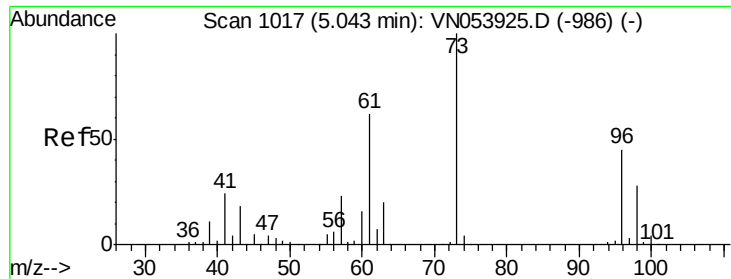
40000

20000

0

Time-->





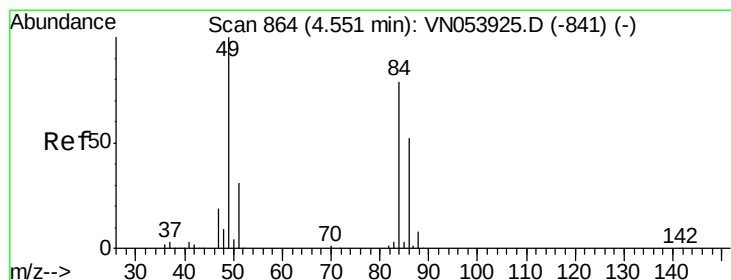
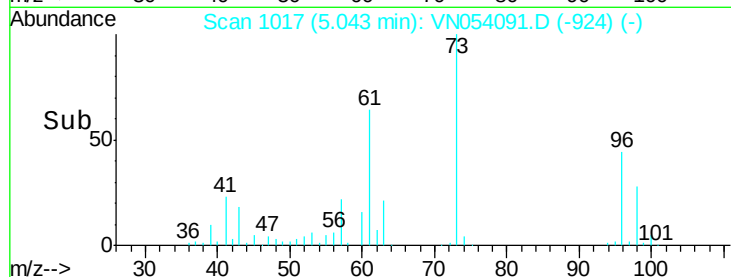
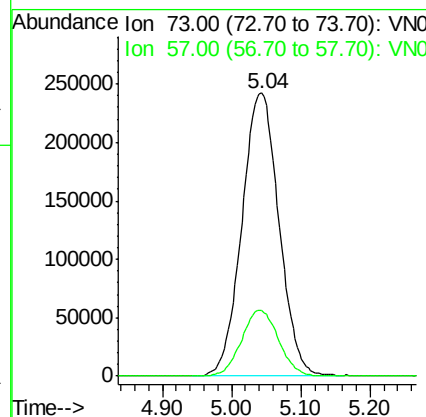
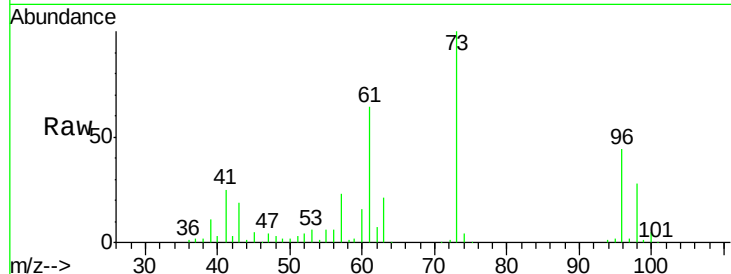
#19
Methyl tert-butyl Ether
Concen: 47.716 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 901933
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0

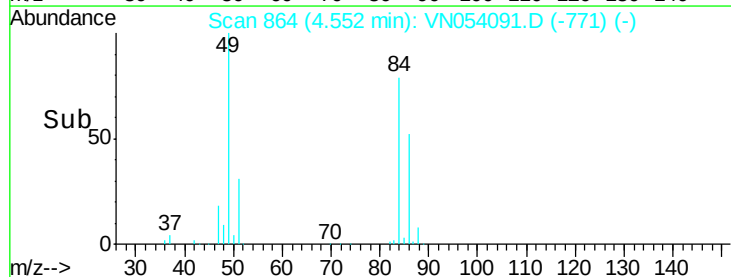
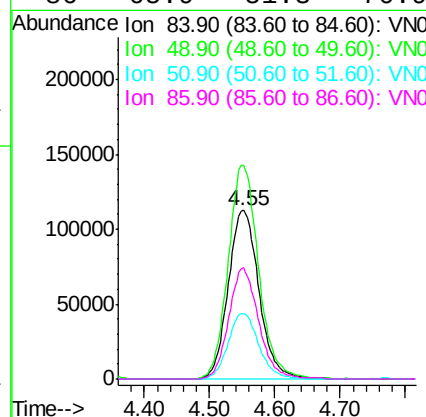
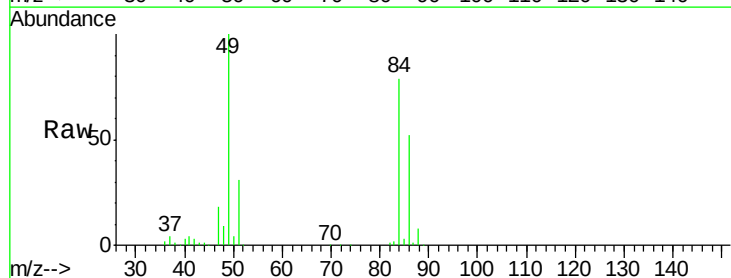
Manual Integrations
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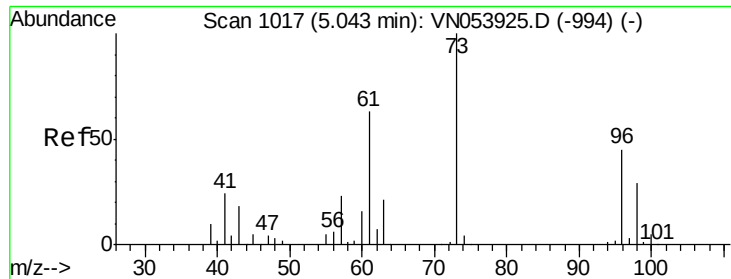
MMDadoda
3/6/2019 9:15:28 AM



#20
Methylene Chloride
Concen: 44.451 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion: 84 Resp: 368111
Ion Ratio Lower Upper
84 100
49 126.8 89.7 134.5
51 38.9 27.8 41.8
86 65.9 51.3 76.9





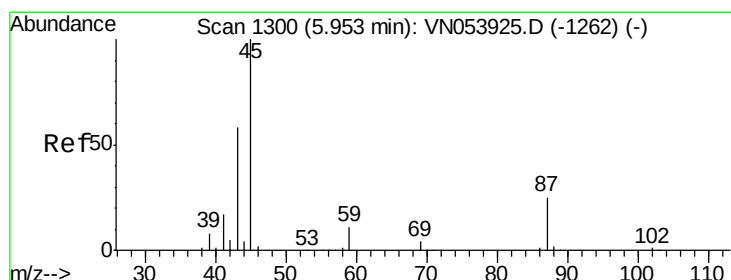
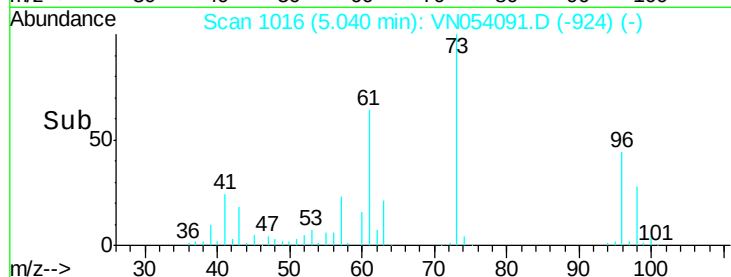
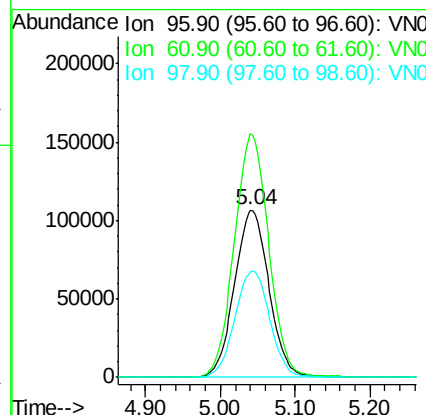
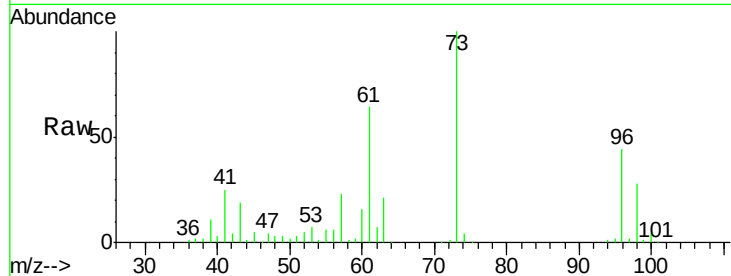
#21
trans-1,2-Dichloroethene
Concen: 44.881 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	104.5	156.7
98	63.0	50.6	76.0

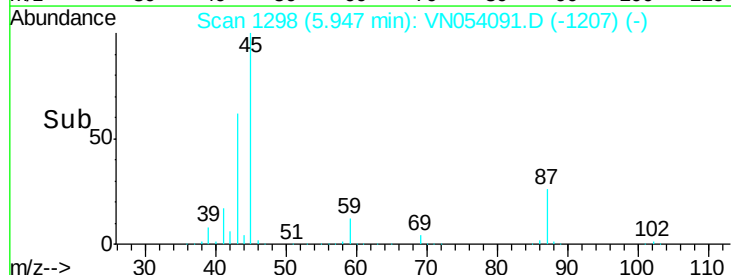
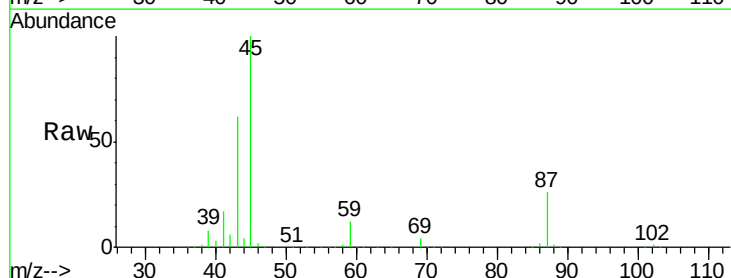
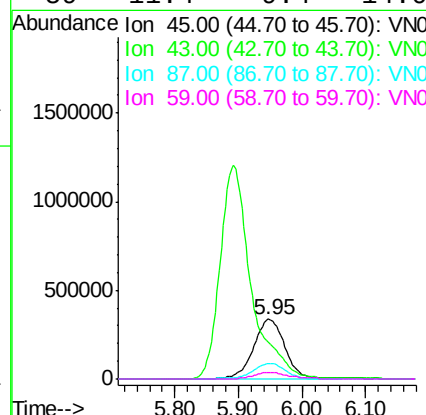
Manual Integrations
APPROVED

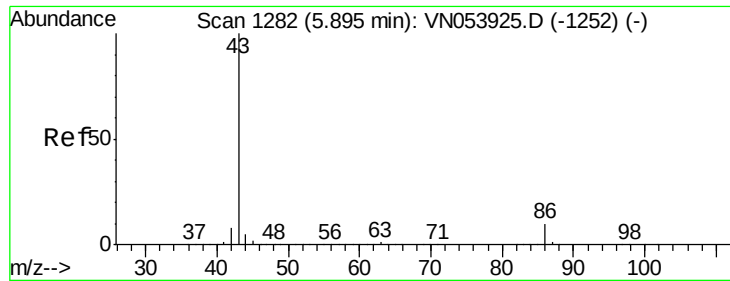
MMDadoda
3/6/2019 9:15:28 AM



#22
Diisopropyl ether
Concen: 48.755 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.7	46.2	69.4
87	25.6	23.4	35.0
59	11.4	9.4	14.0





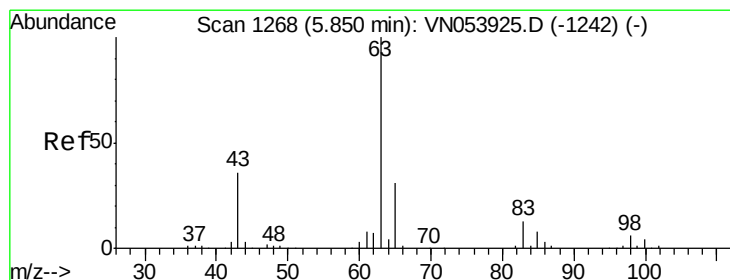
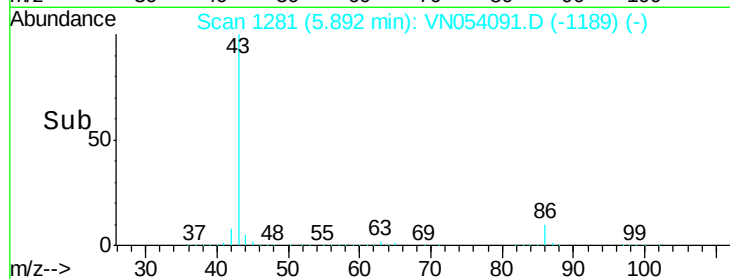
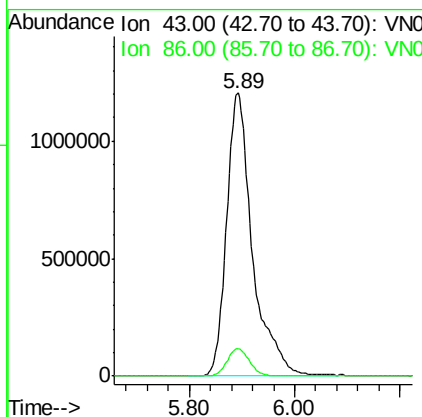
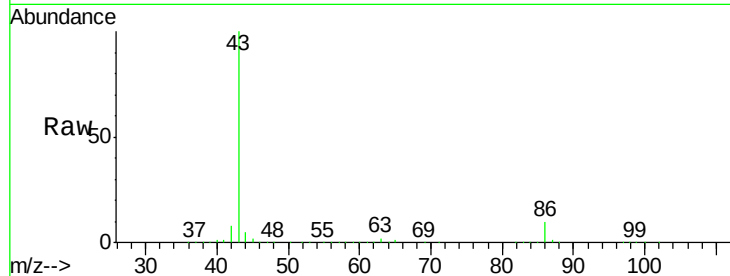
#23
 Vinyl Acetate
 Concen: 239.065 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 4100362
 Ion Ratio Lower Upper
 43 100
 86 9.8 9.1 13.7

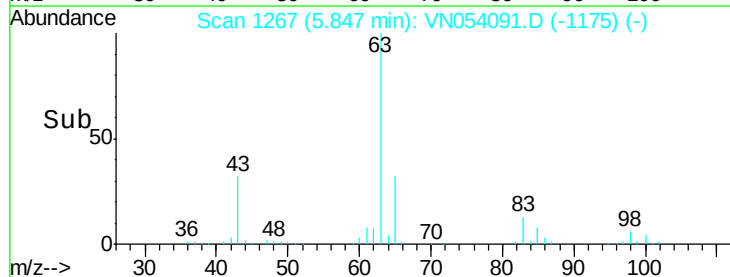
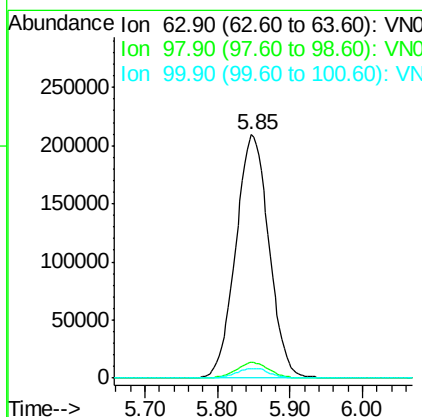
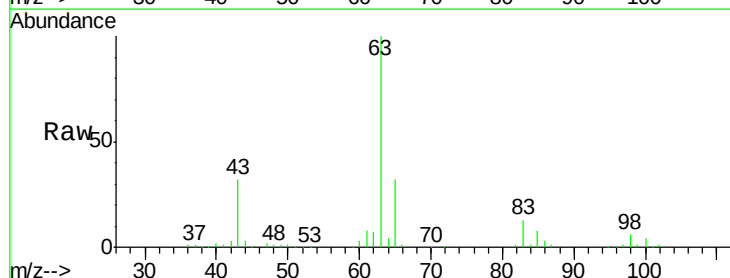
Manual Integrations
 APPROVED

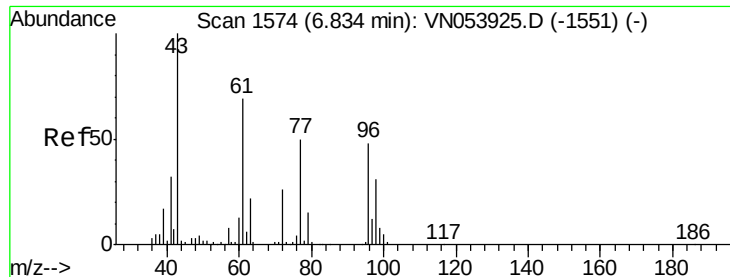
MMDadoda
 3/6/2019 9:15:28 AM



#24
 1,1-Dichloroethane
 Concen: 45.644 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion: 63 Resp: 667360
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.2
 100 3.6 2.2 6.6





#25

2-Butanone

Concen: 250.292 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 822313

Ion Ratio Lower Upper

43 100

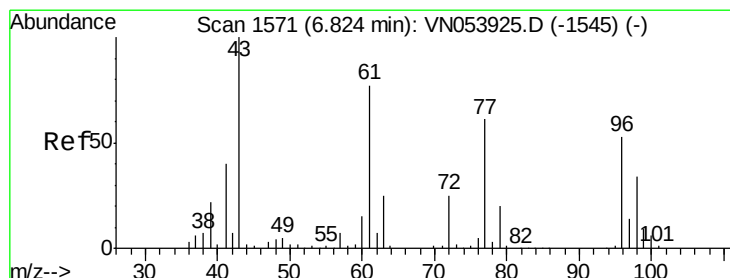
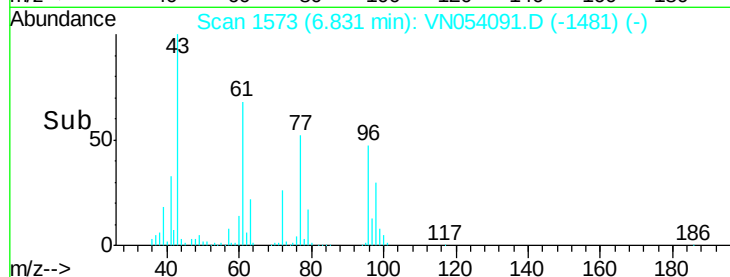
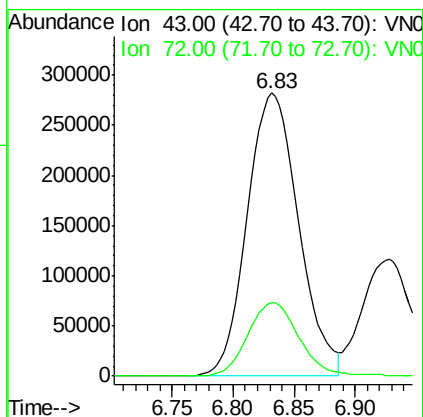
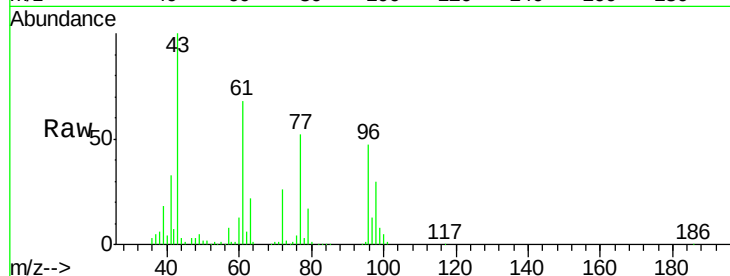
72 26.0 22.1 33.1

Manual Integrations

APPROVED

MMDadoda

3/6/2019 9:15:28 AM



#26

2,2-Dichloropropane

Concen: 47.913 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054091.D

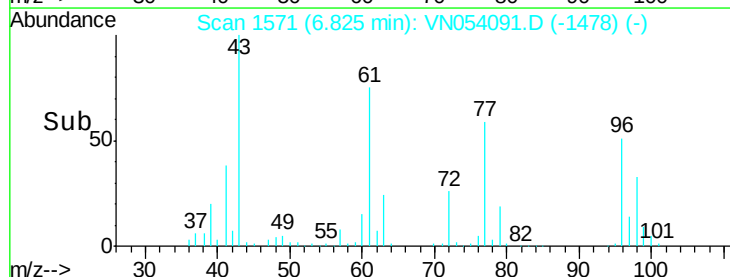
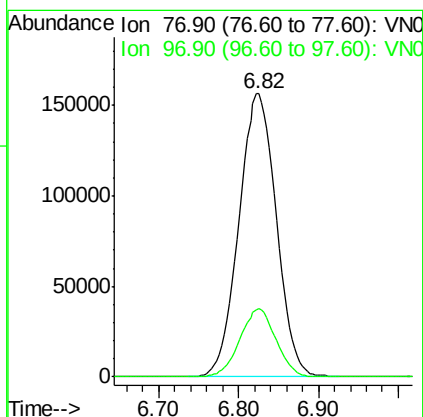
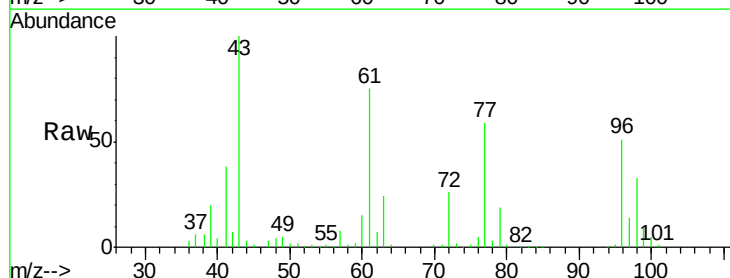
Acq: 5 Mar 2019 11:08

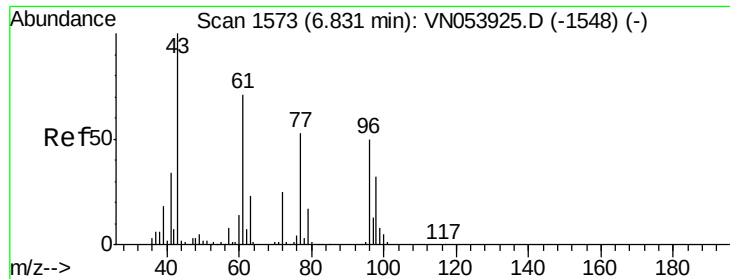
Tgt Ion: 77 Resp: 497705

Ion Ratio Lower Upper

77 100

97 23.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 46.484 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

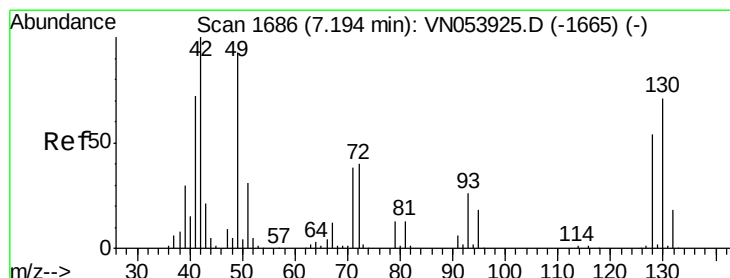
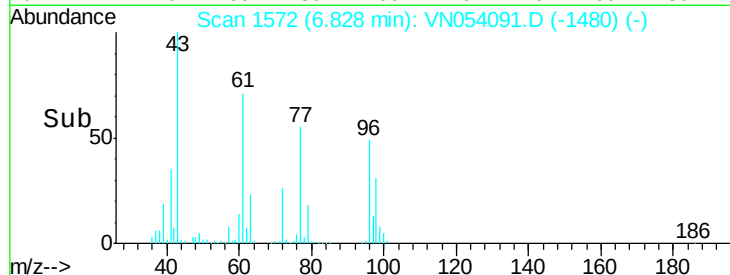
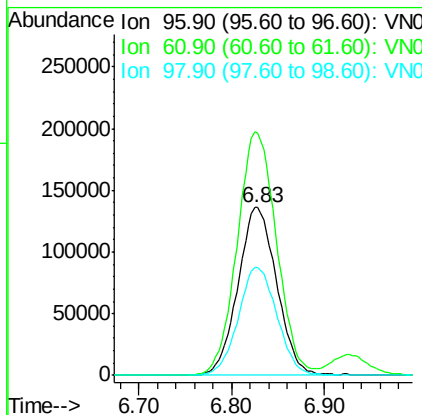
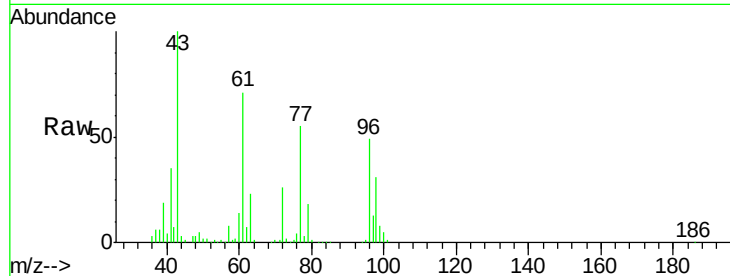
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	394255
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	275.6
98	64.5	0.0	130.0

Manual Integrations
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MMDadoda
3/6/2019 9:15:28 AM



#28

Bromochloromethane

Concen: 50.173 ug/l

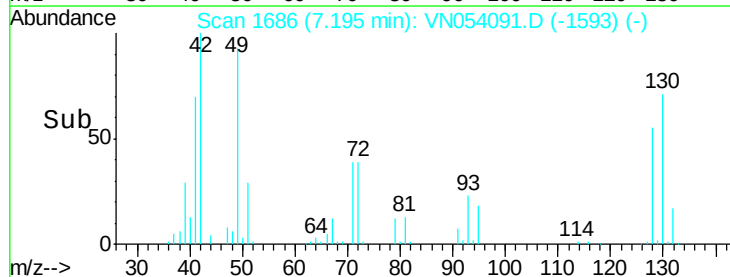
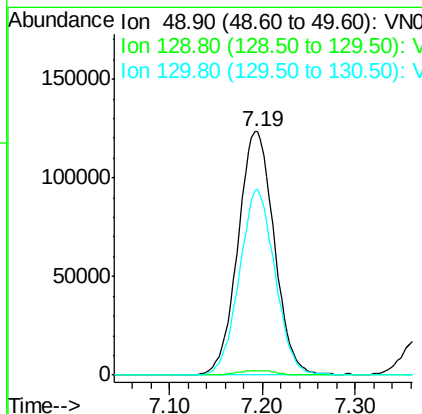
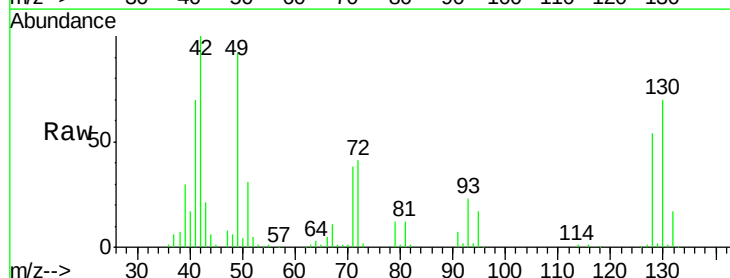
RT: 7.19 min Scan# 1686

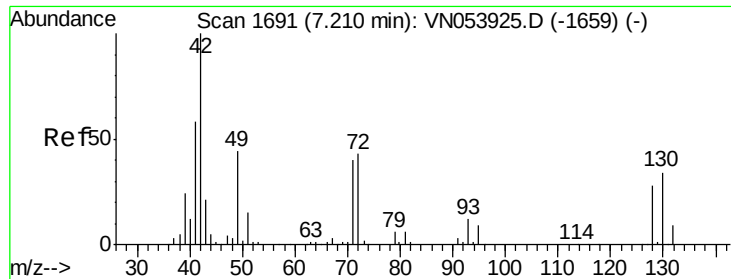
Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	49	Resp:	335778
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	74.8	72.9	109.3





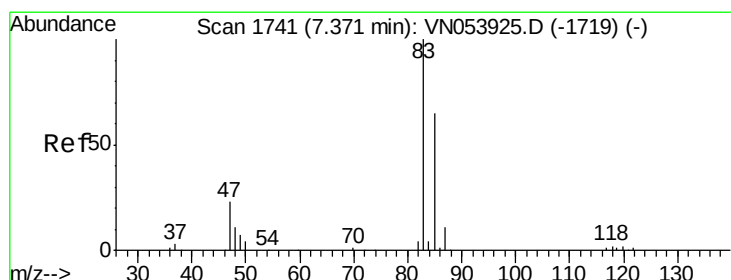
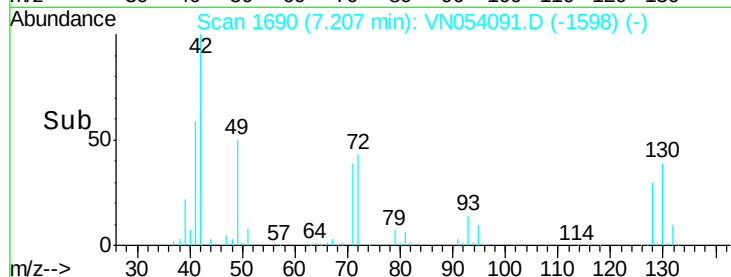
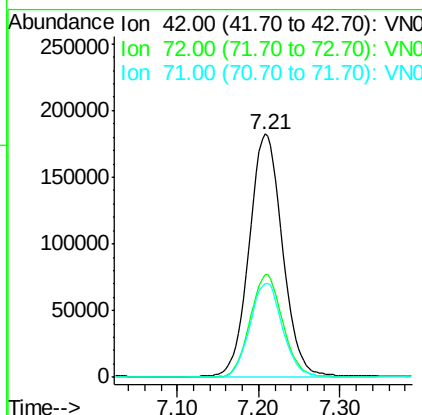
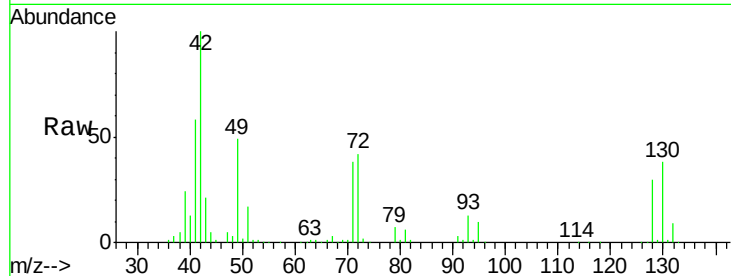
#29
Tetrahydrofuran
Concen: 234.909 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	36.9	55.3
71	38.2	34.6	52.0

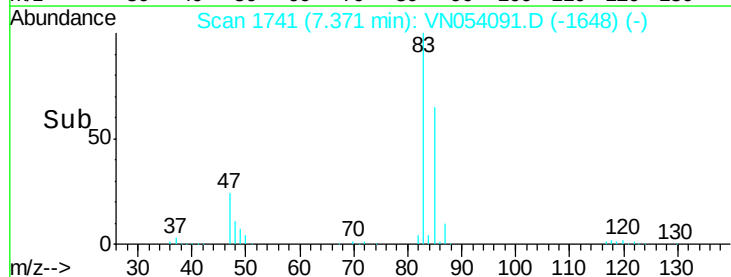
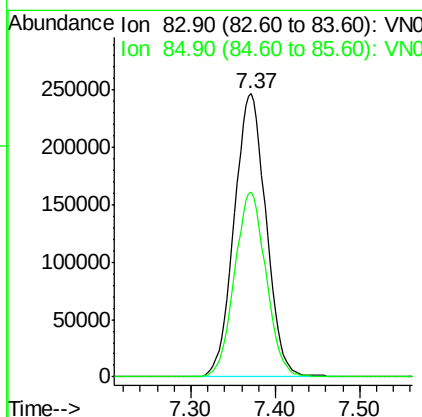
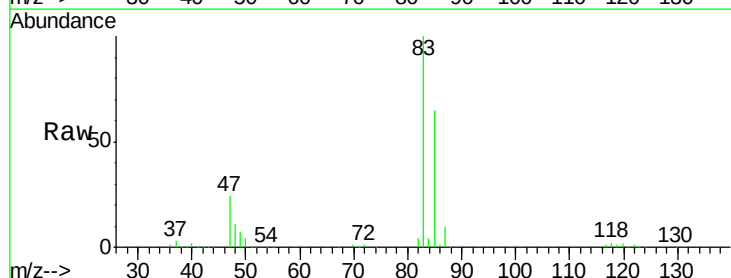
Manual Integrations
APPROVED

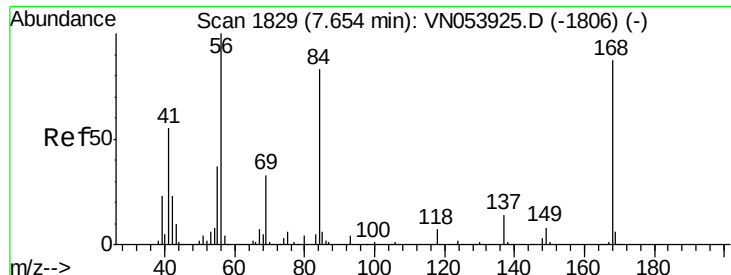
MMDadoda
3/6/2019 9:15:28 AM



#30
Chloroform
Concen: 45.853 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





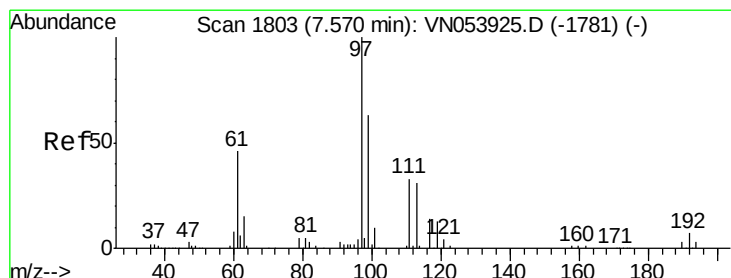
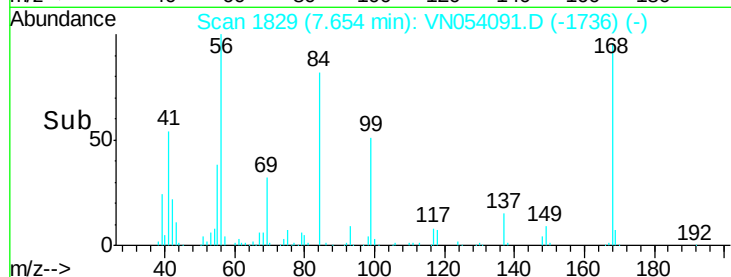
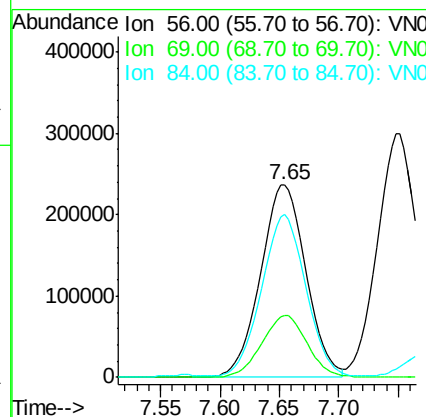
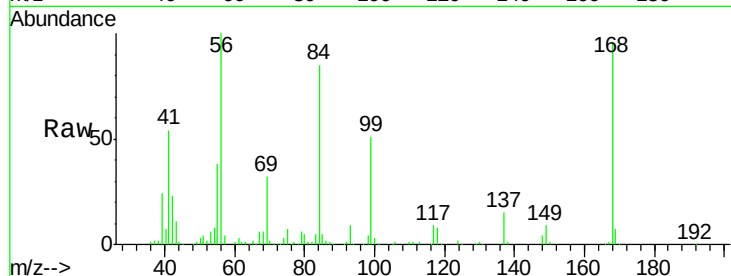
#31
Cyclohexane
Concen: 46.601 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.0	39.0
84	83.4	69.1	103.7

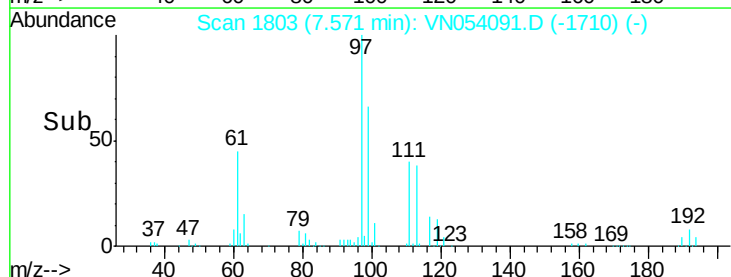
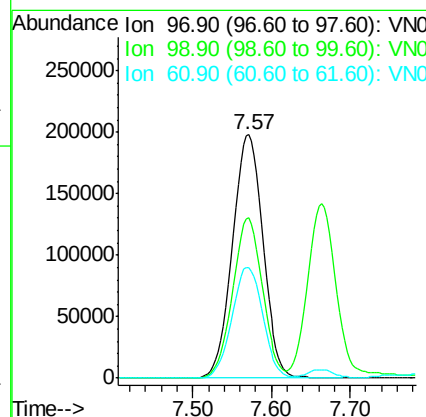
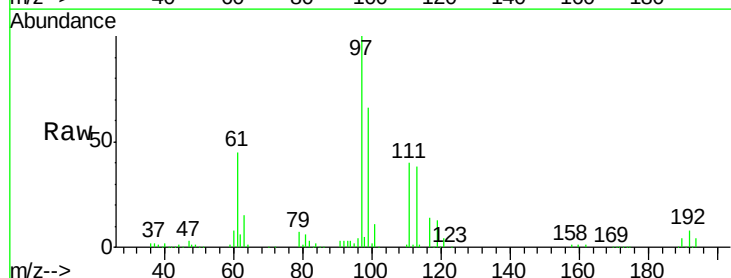
Manual Integrations
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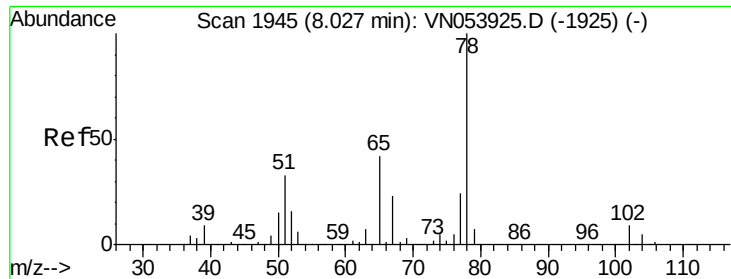
MMDadoda
3/6/2019 9:15:28 AM



#32
1,1,1-Trichloroethane
Concen: 45.723 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	45.8	33.2	49.8





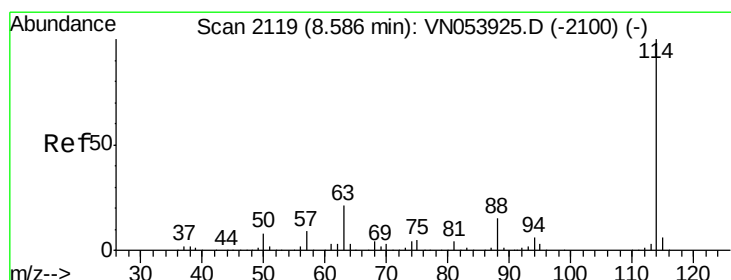
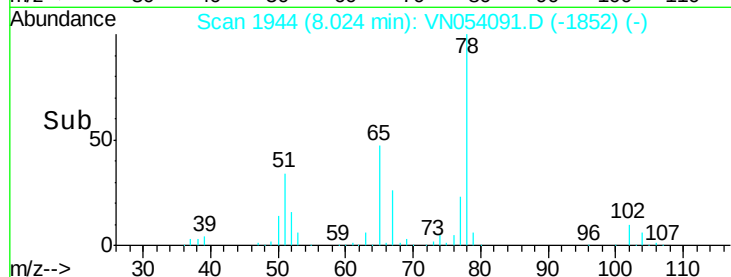
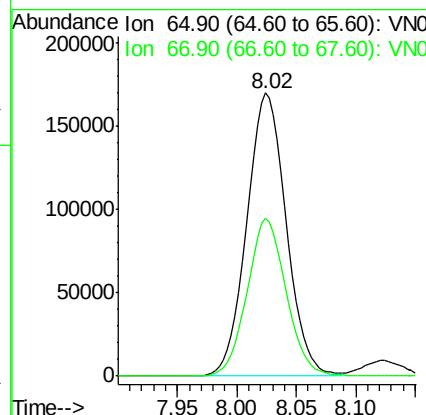
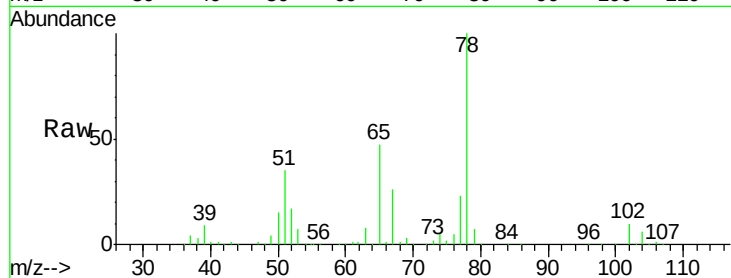
#33
 1,2-Dichloroethane-d4
 Concen: 46.663 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	390442		
67	55.1	0.0	111.8	

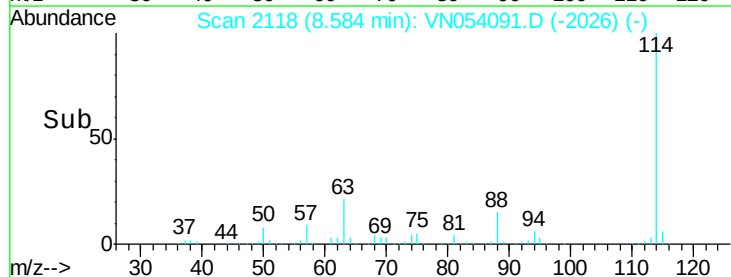
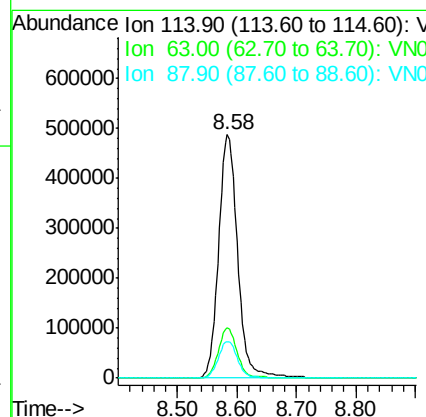
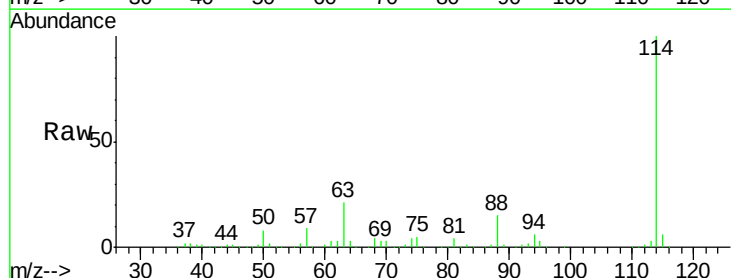
Manual Integrations
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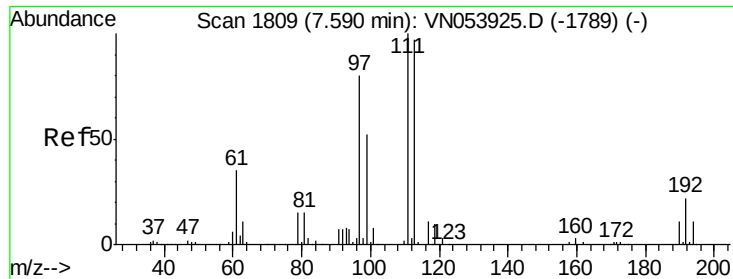
MMDadoda
 3/6/2019 9:15:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1080387		
63	20.6	0.0	37.4	
88	15.1	0.0	30.4	





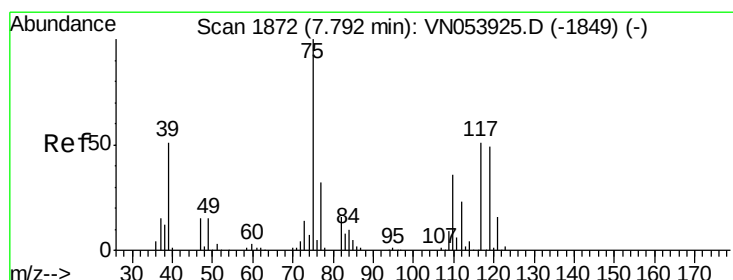
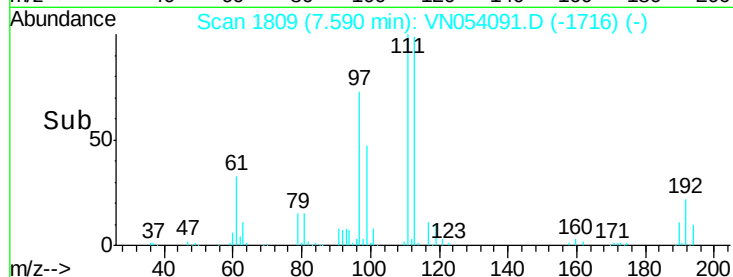
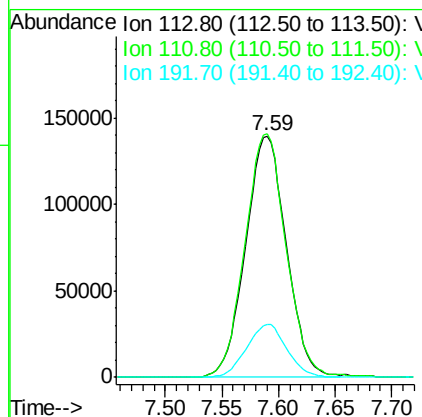
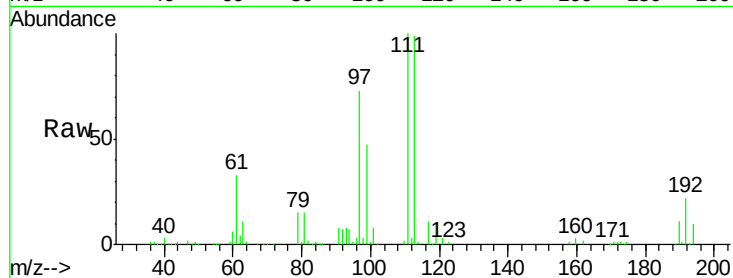
#35
 Dibromofluoromethane
 Concen: 50.045 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	349637		
111	102.3	81.1	121.7	
192	21.8	18.8	28.2	

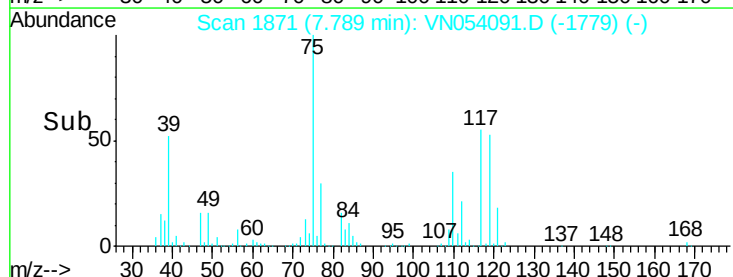
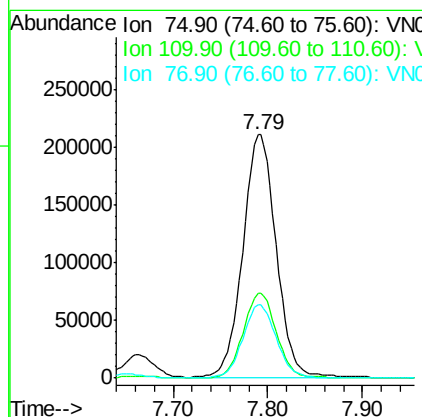
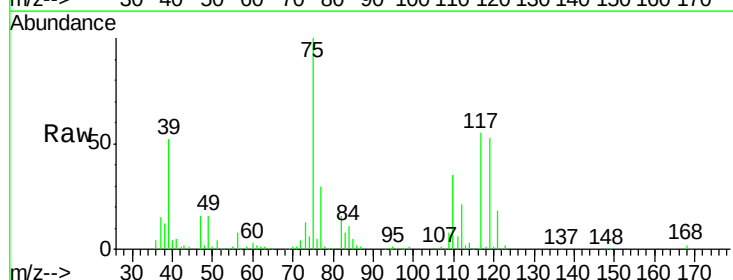
Manual Integrations
 APPROVED

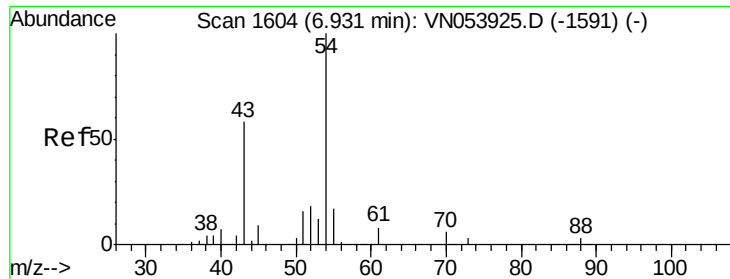
MMDadoda
 3/6/2019 9:15:28 AM



#36
 1,1-Dichloropropene
 Concen: 50.795 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	510344		
110	35.3	19.0	57.0	
77	30.6	25.4	38.0	





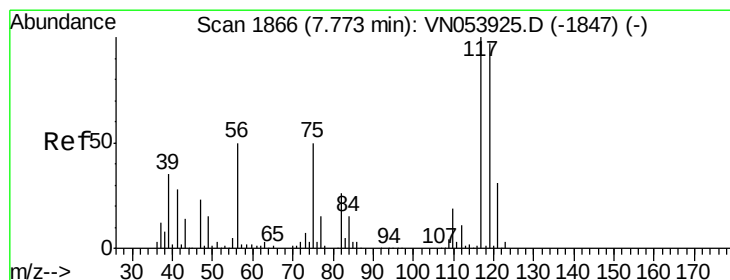
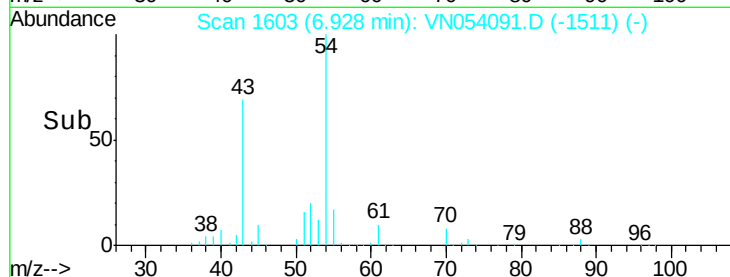
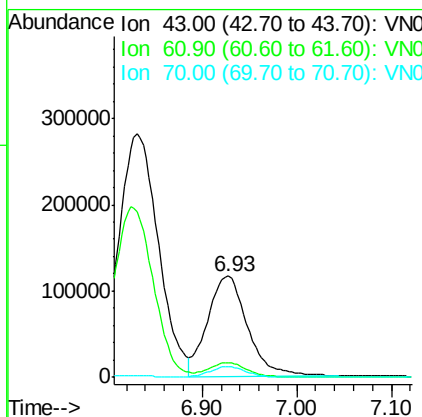
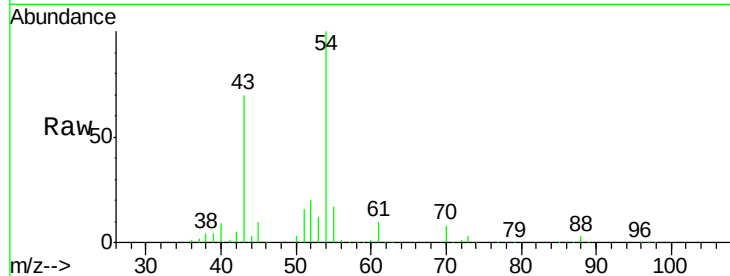
#37
Ethyl Acetate
Concen: 47.396 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	12.0	18.0
70	10.0	8.7	13.1

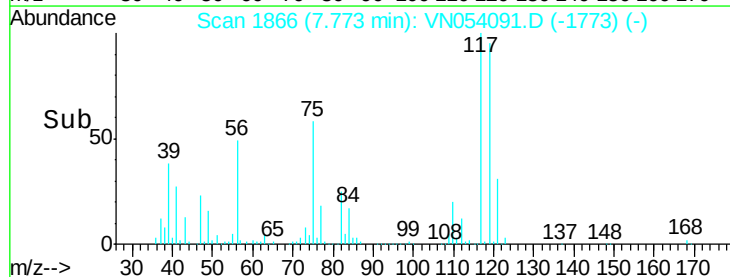
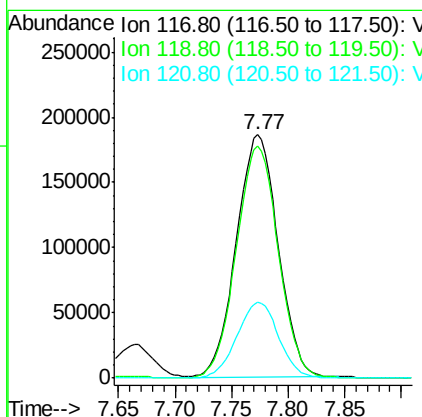
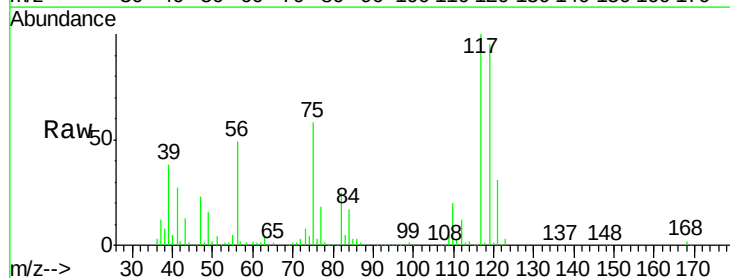
Manual Integrations
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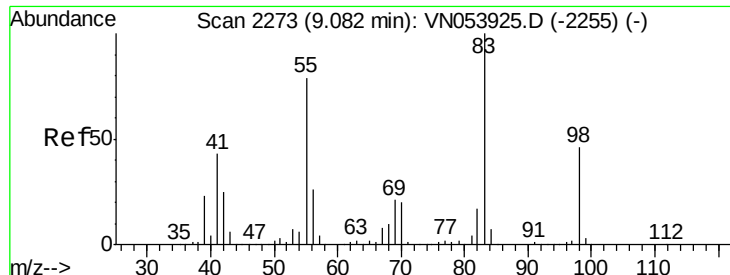
MMDadoda
3/6/2019 9:15:28 AM



#38
Carbon Tetrachloride
Concen: 45.663 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.2
121	31.1	24.6	36.8





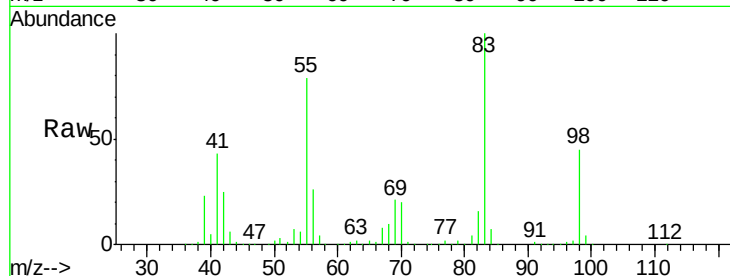
#39
Methylvlcyclohexane
Concen: 50.368 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	58.2	87.4
98	45.4	37.2	55.8

Manual Integrations
APPROVED

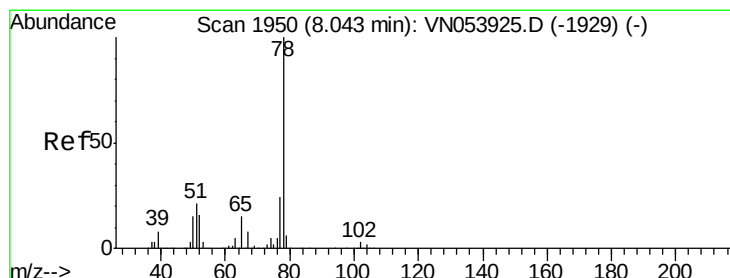
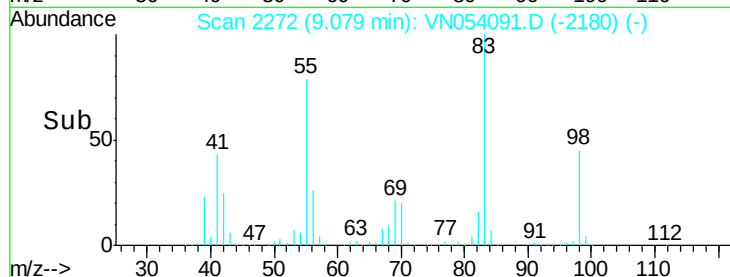
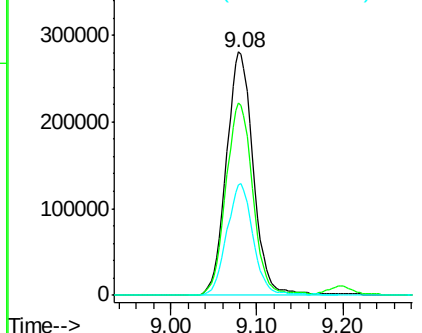
MMDadoda
3/6/2019 9:15:28 AM



Abundance Ion 83.00 (82.70 to 83.70): VN053925.D (-2255) (-)

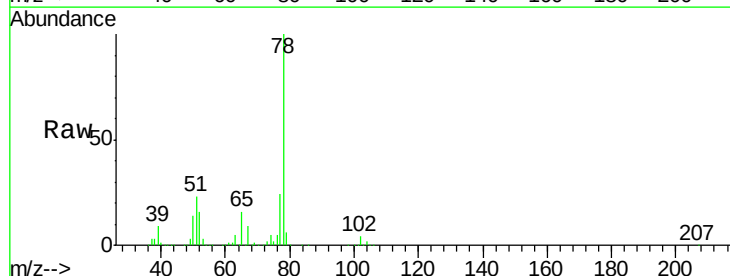
Ion 55.00 (54.70 to 55.70): VN053925.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN053925.D (-2255) (-)



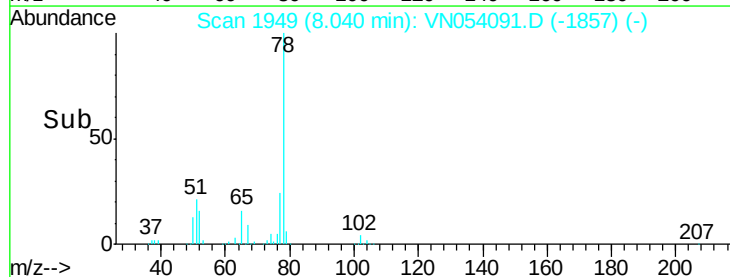
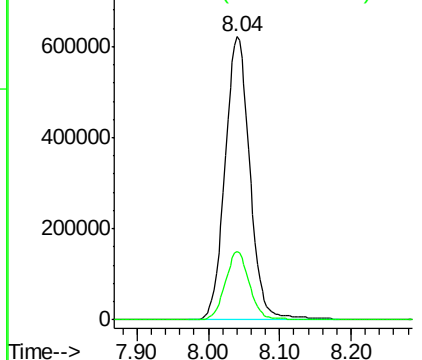
#40
Benzene
Concen: 48.727 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

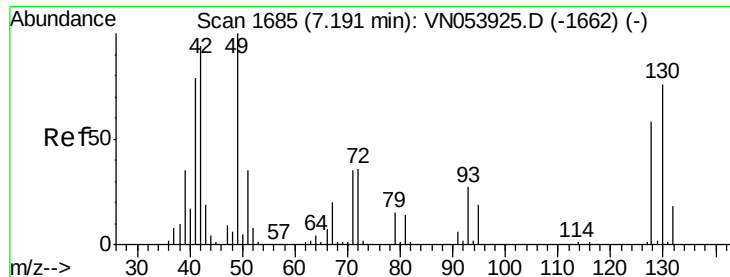
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN053925.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN053925.D (-1929) (-)





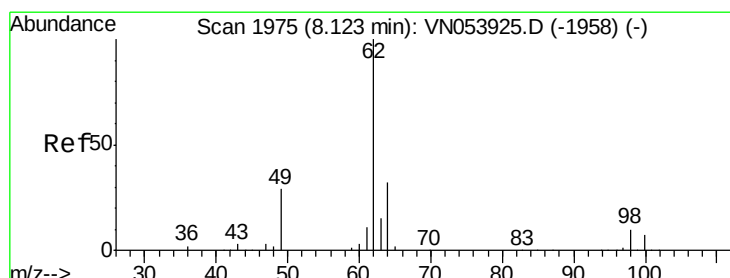
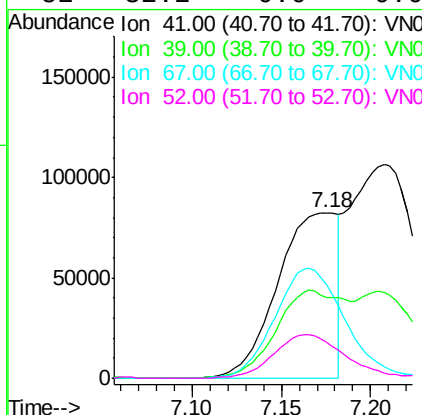
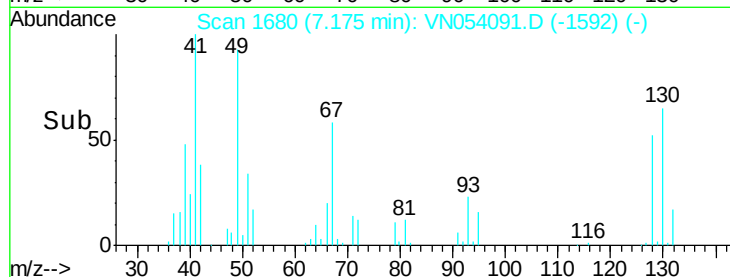
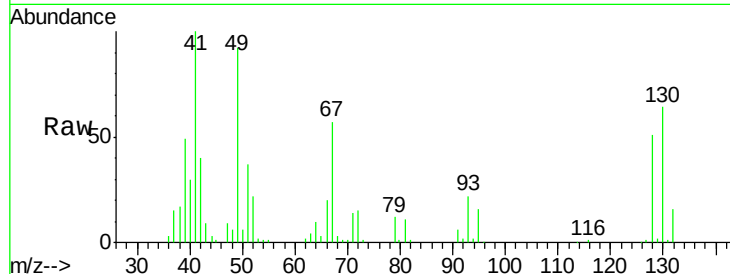
#41
Methacrylonitrile
Concen: 41.379 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	191150
Ion	Ratio	Lower	Upper
41	100		
39	59.9	0.0	0.0#
67	79.9	0.0	0.0#
52	32.2	0.0	0.0#

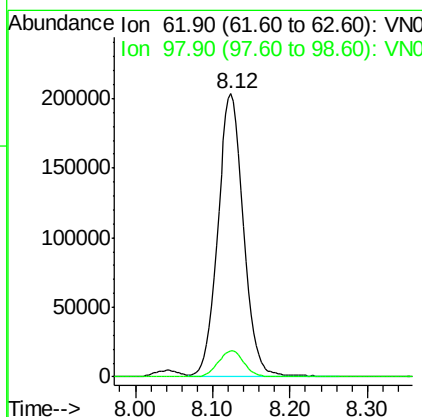
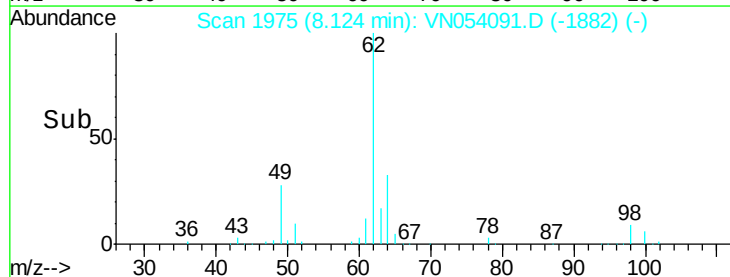
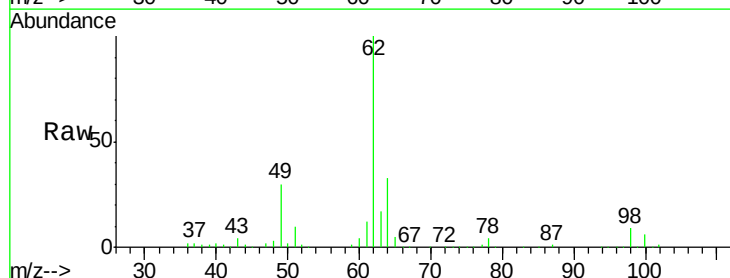
Manual Integrations
APPROVED

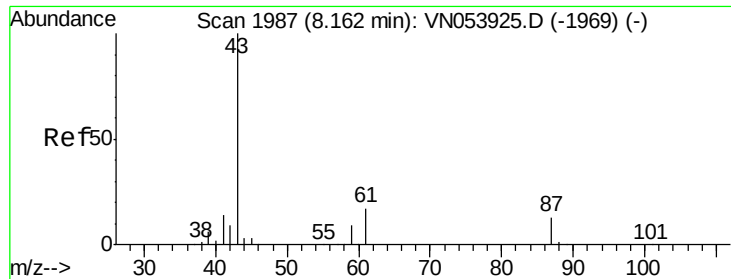
MMDadoda
3/6/2019 9:15:28 AM



#42
1,2-Dichloroethane
Concen: 49.002 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	62	Resp	468251
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.8





#43

Isopropyl Acetate

Concen: 47.522 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

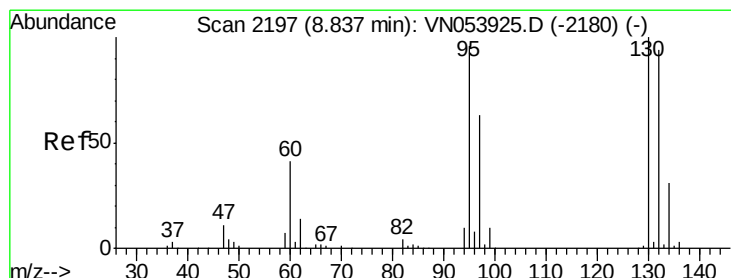
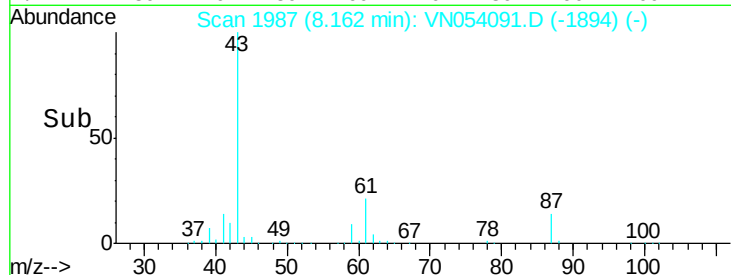
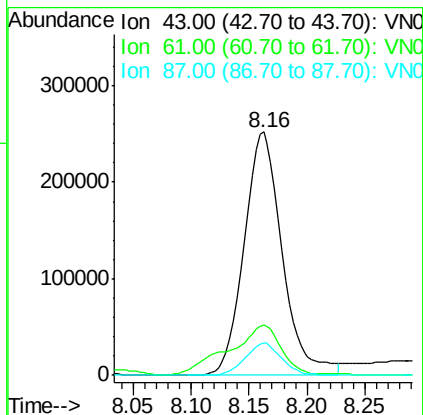
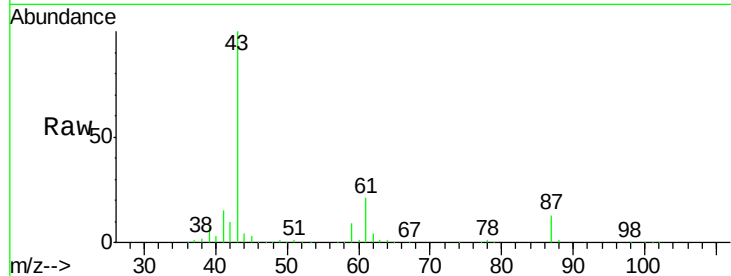
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	575626
Ion	Ratio	Lower	Upper
43	100		
61	28.1	17.4	26.0#
87	12.8	11.5	17.3

Manual Integrations
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3/6/2019 9:15:28 AM



#44

Trichloroethene

Concen: 49.264 ug/l

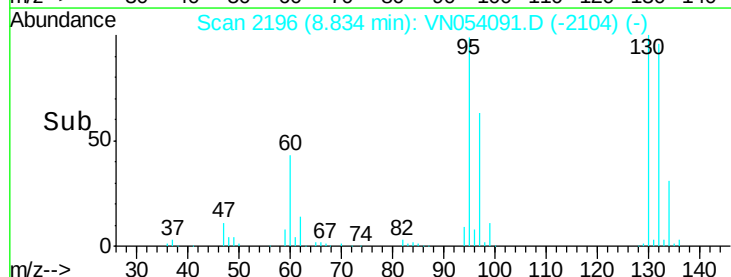
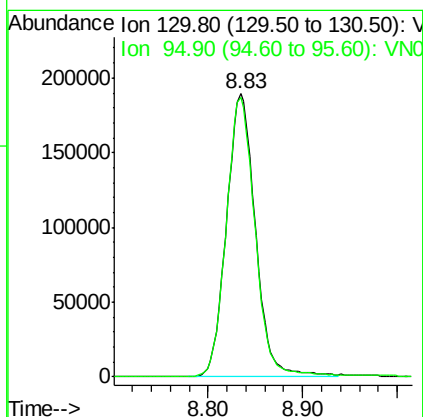
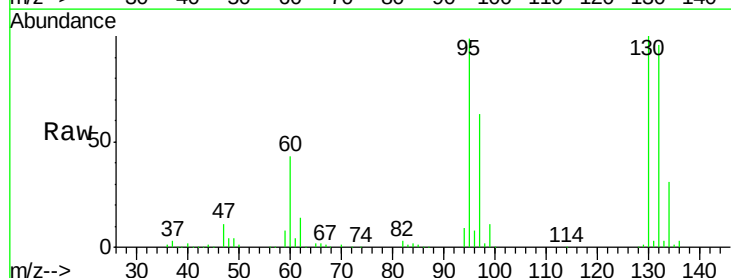
RT: 8.83 min Scan# 2196

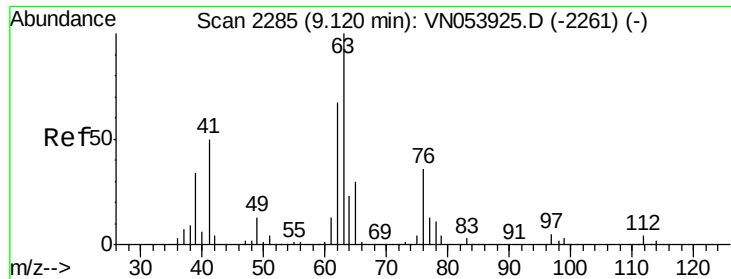
Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	130	Resp:	403120
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	190.0





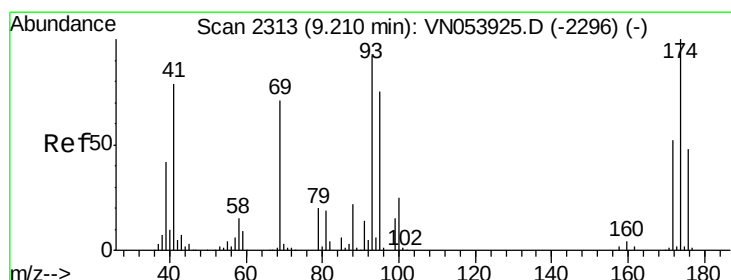
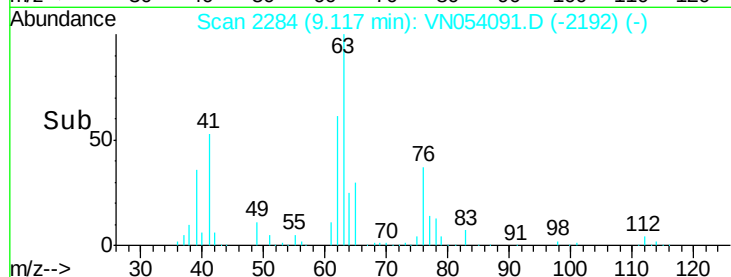
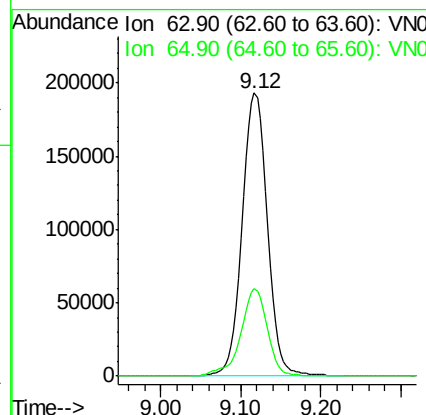
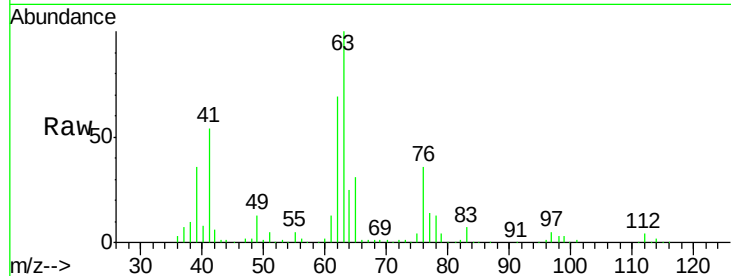
#45
 1,2-Dichloropropane
 Concen: 49.060 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 408537
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.3 36.5

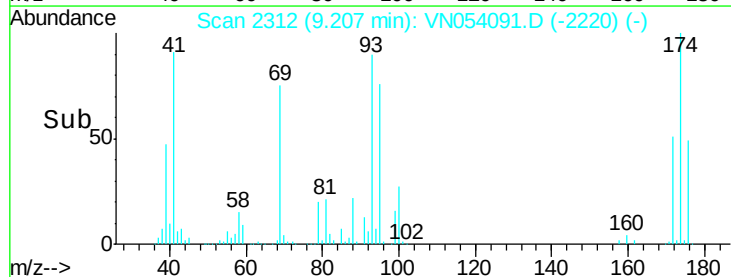
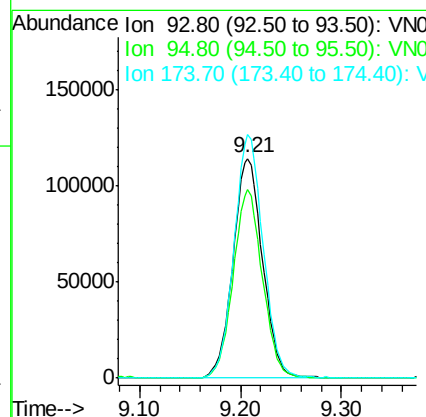
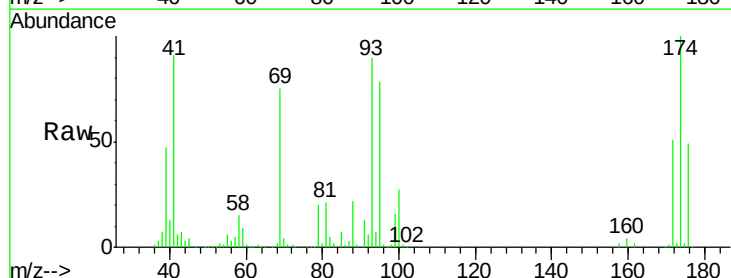
Manual Integrations
 APPROVED

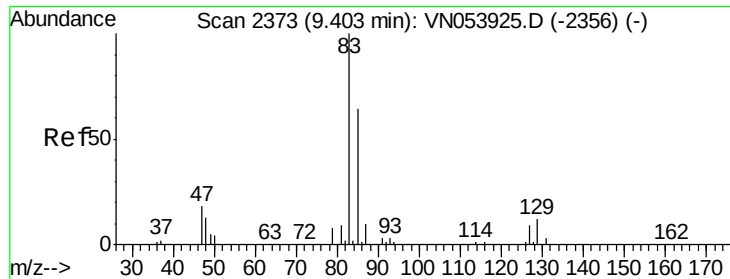
MMDadoda
 3/6/2019 9:15:28 AM



#46
 Dibromomethane
 Concen: 48.337 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion: 93 Resp: 233682
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.6 100.0
 174 108.8 96.2 144.4





#47

Bromodichloromethane

Concen: 49.034 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

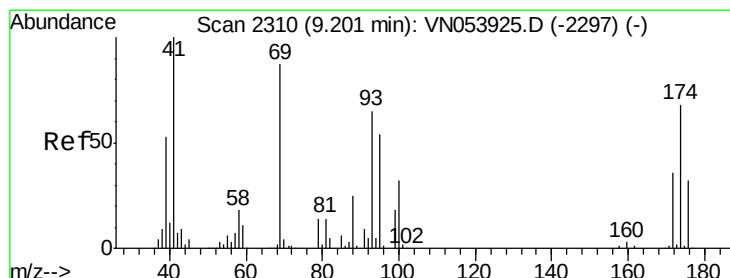
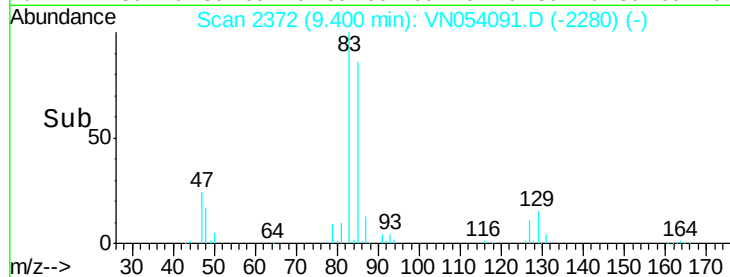
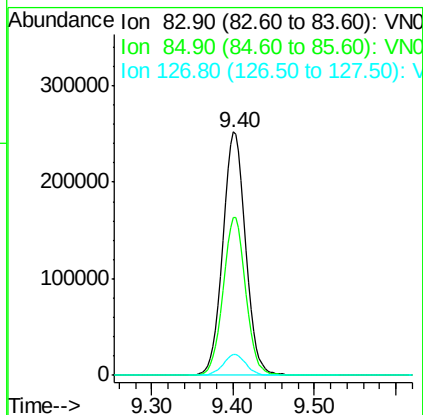
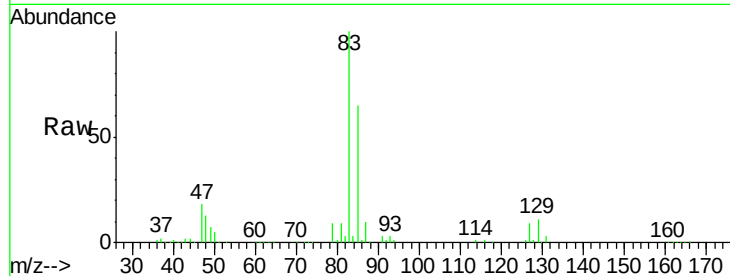
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	499573
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.8	77.6
127	8.6	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:28 AM



#48

Methyl methacrylate

Concen: 51.406 ug/l

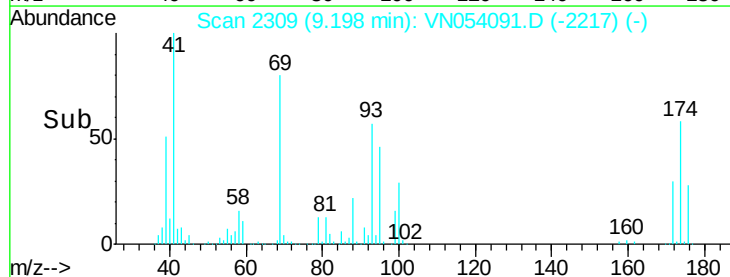
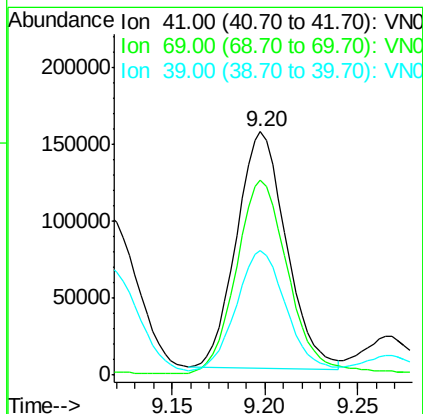
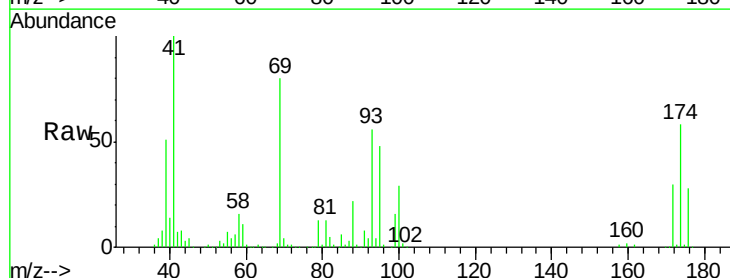
RT: 9.20 min Scan# 2309

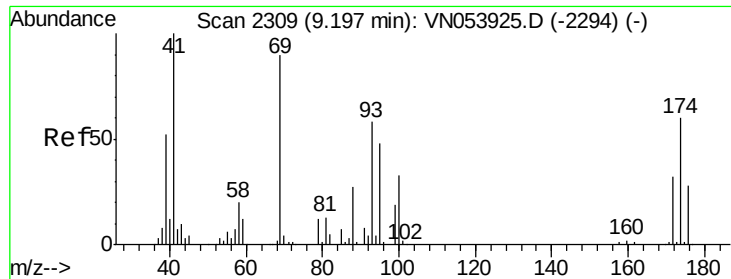
Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	41	Resp:	286414
Ion Ratio	Lower	Upper	
41	100		
69	87.4	74.8	112.2
39	54.0	39.0	58.6





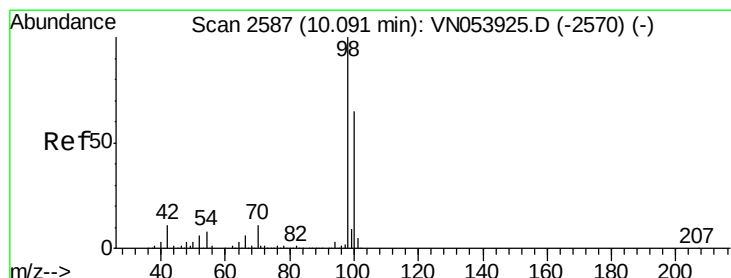
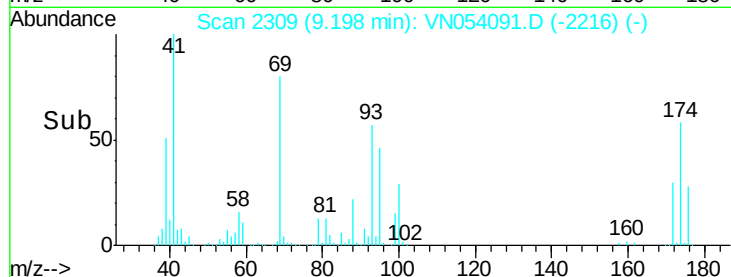
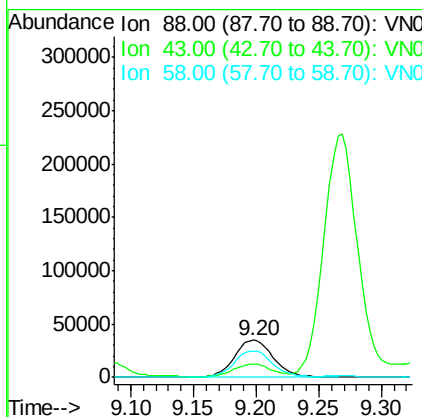
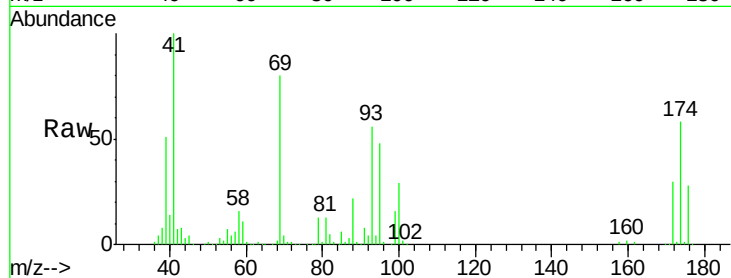
#49
1,4-Dioxane
Concen: 1003.776 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	75748
Ion	Ratio	Lower	Upper
88	100		
43	31.4	21.2	31.8
58	69.8	54.2	81.2

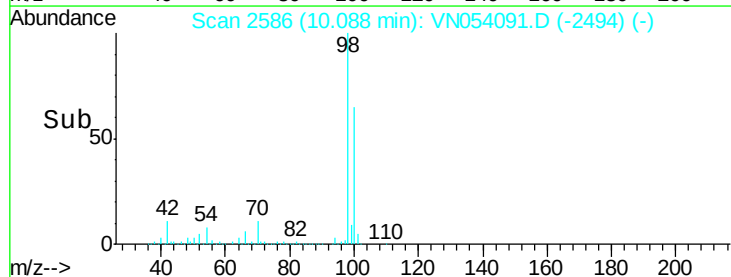
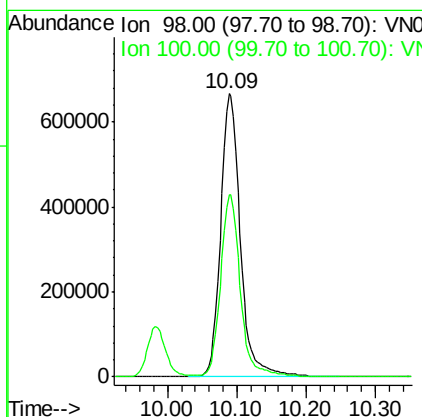
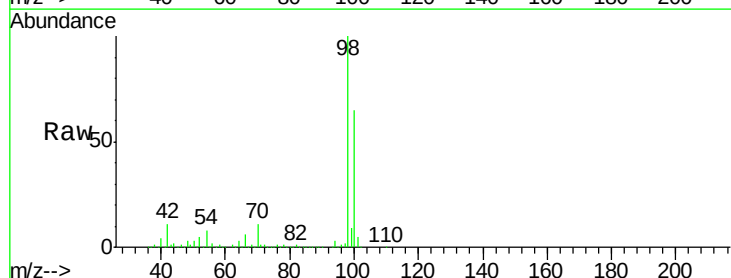
Manual Integrations
APPROVED

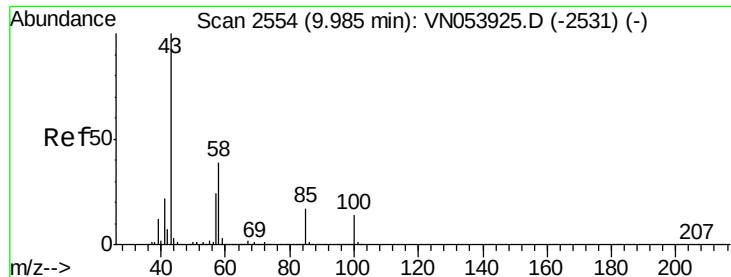
MMDadoda
3/6/2019 9:15:28 AM



#50
Toluene-d8
Concen: 50.655 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	98	Resp	1317396
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 261.190 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1625754

Ion Ratio Lower Upper

43 100

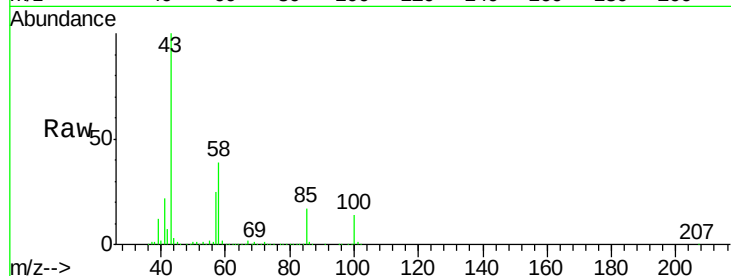
58 38.9 32.7 49.1

Manual Integrations

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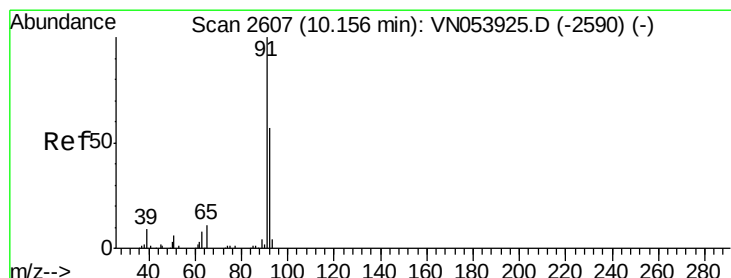
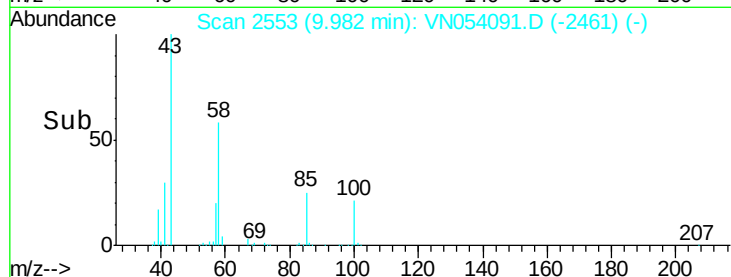
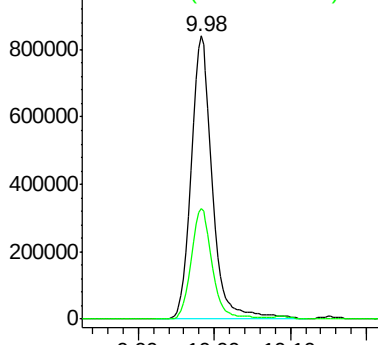
MMDadoda

3/6/2019 9:15:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.136 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054091.D

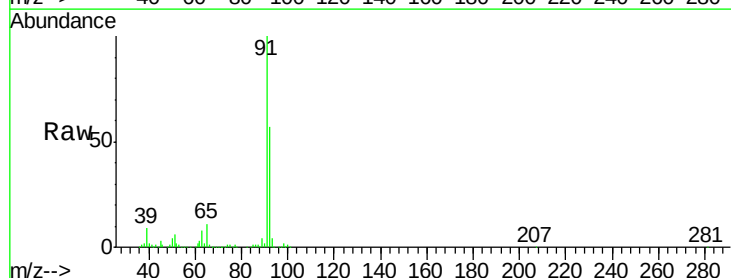
Acq: 5 Mar 2019 11:08

Tgt Ion: 92 Resp: 911210

Ion Ratio Lower Upper

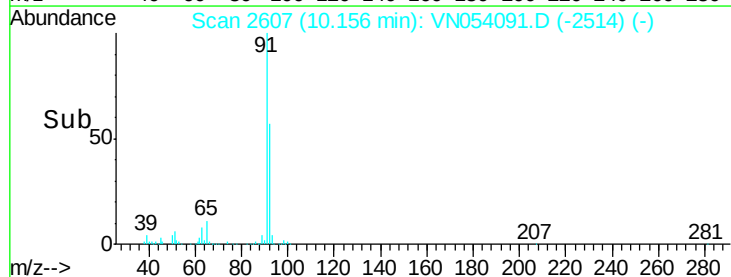
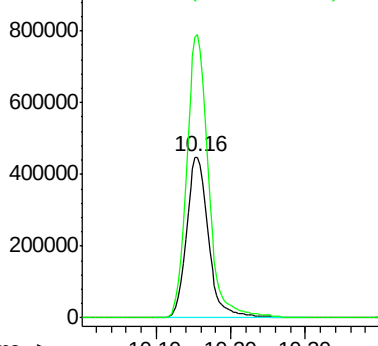
92 100

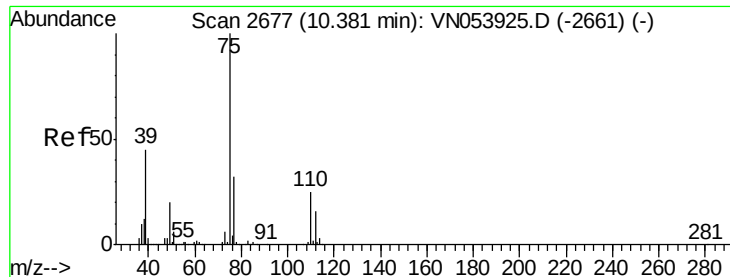
91 174.6 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.391 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 509450

Ion Ratio Lower Upper

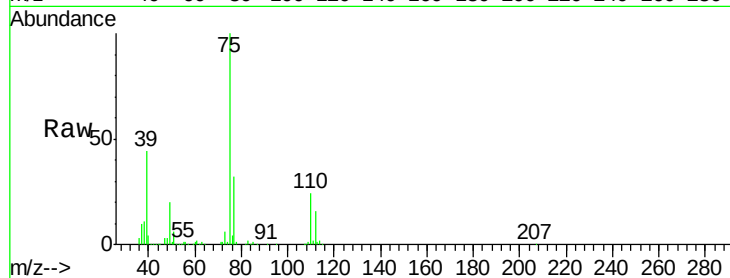
75 100

77 31.6 25.0 37.6

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3/6/2019 9:15:28 AM



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 76.90 (76.60 to 77.60): VNC

10.38

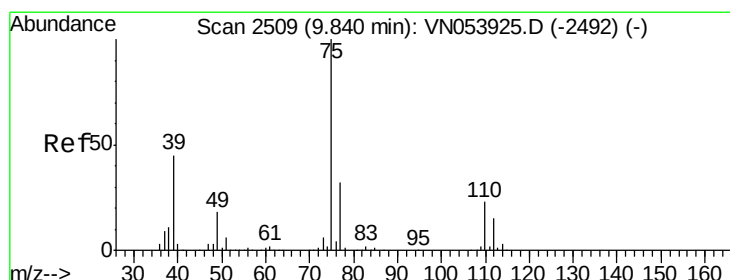
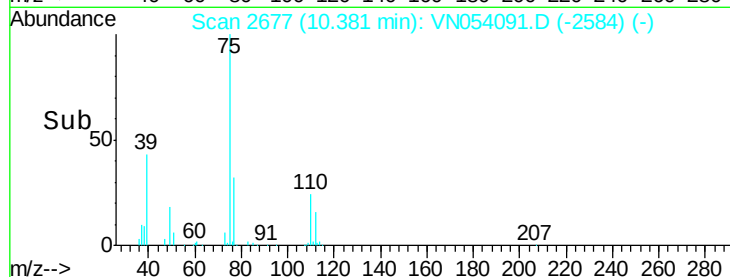
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.886 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

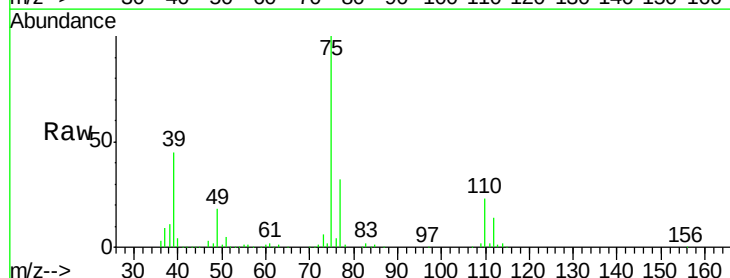
Tgt Ion: 75 Resp: 594680

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

39 44.8 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 76.90 (76.60 to 77.60): VNC

Ion 39.00 (38.70 to 39.70): VNC

9.84

400000

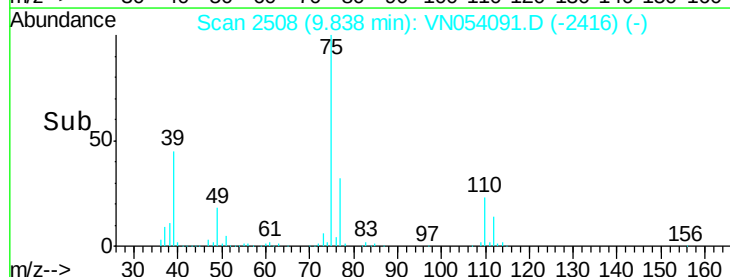
300000

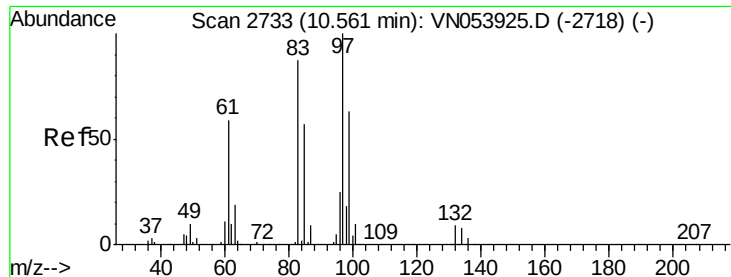
200000

100000

0

Time-->





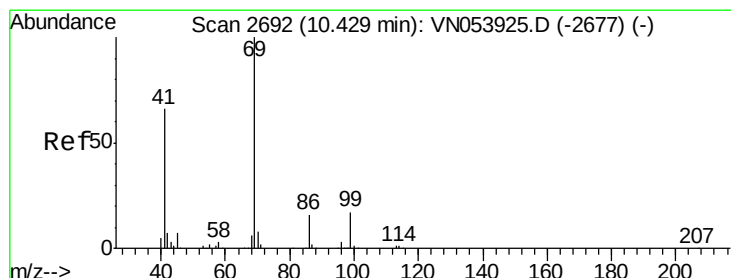
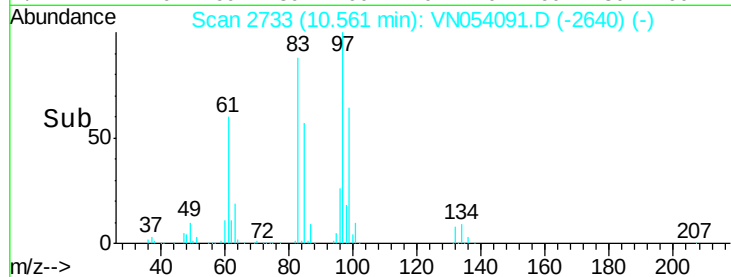
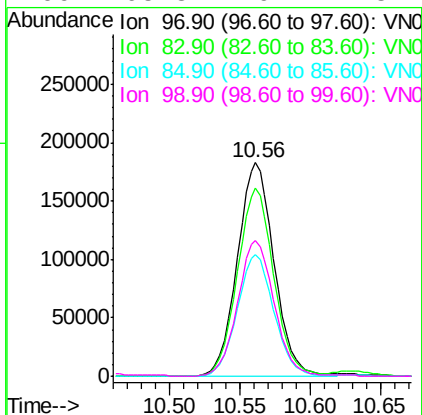
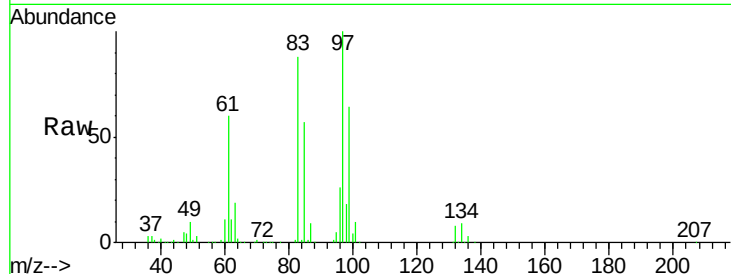
#55
 1,1,2-Trichloroethane
 Concen: 49.143 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.5	104.3
85	57.2	45.9	68.9
99	63.3	49.1	73.7

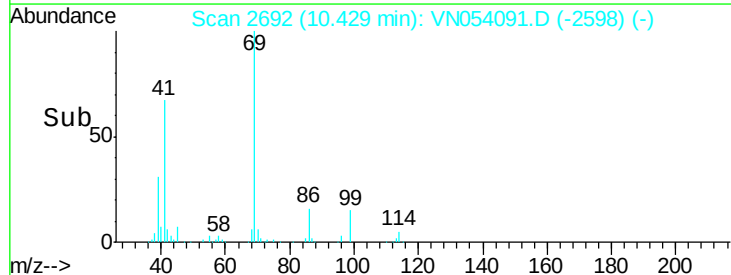
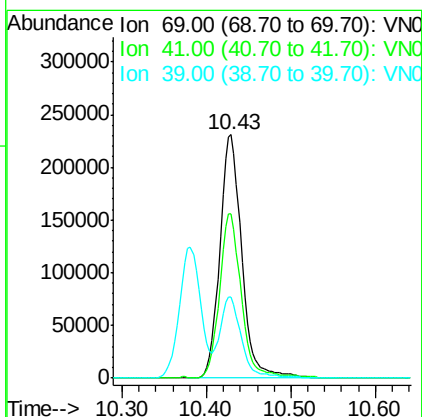
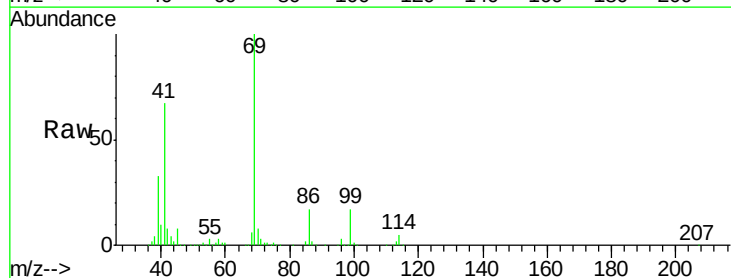
Manual Integrations
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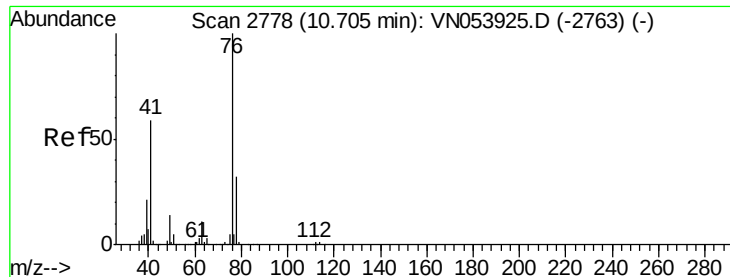
MMDadoda
 3/6/2019 9:15:28 AM



#56
 Ethyl methacrylate
 Concen: 46.988 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.9	47.5	71.3
39	32.2	23.4	35.0





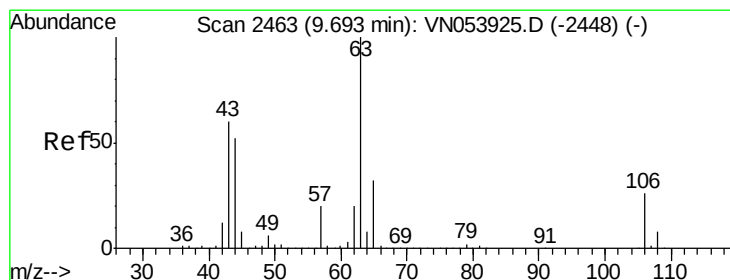
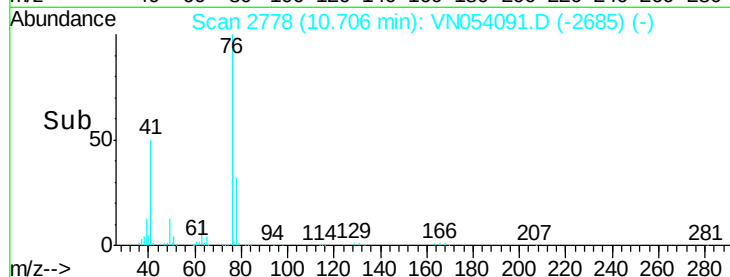
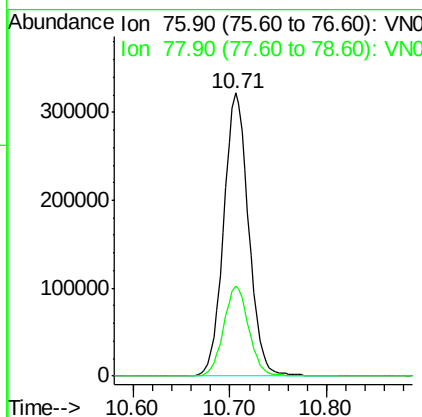
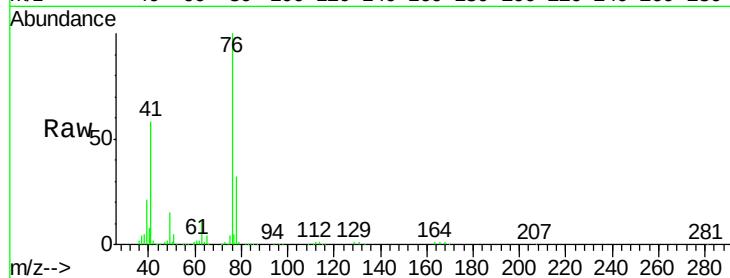
#57
 1,3-Dichloropropane
 Concen: 50.229 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 576043
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

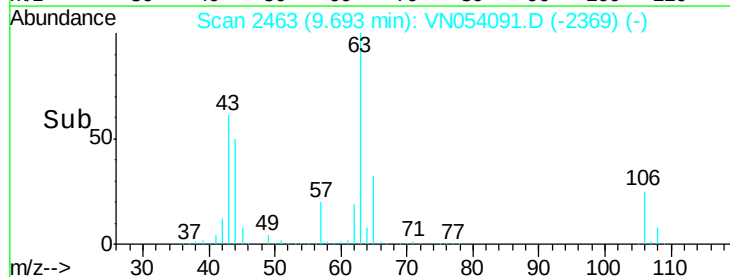
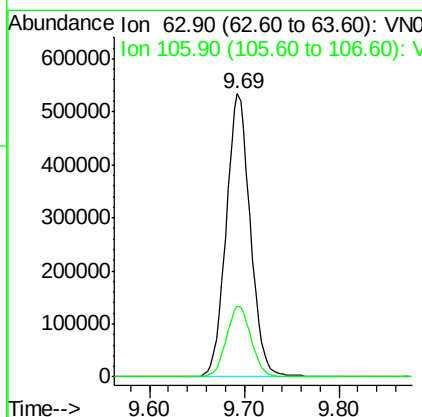
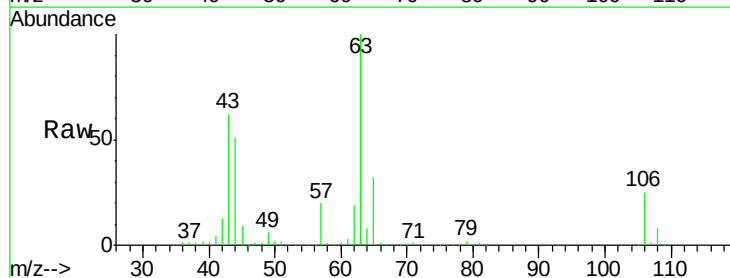
Manual Integrations
 APPROVED

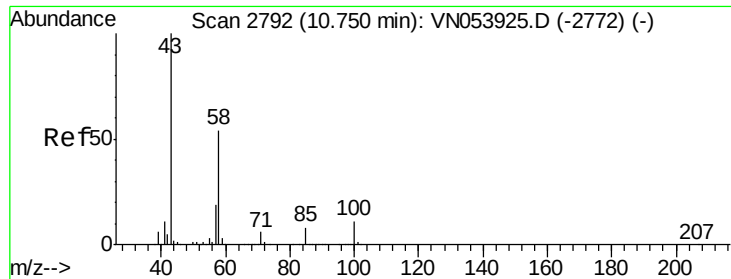
MMDadoda
 3/6/2019 9:15:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.625 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion: 63 Resp: 946589
 Ion Ratio Lower Upper
 63 100
 106 25.7 22.2 33.2





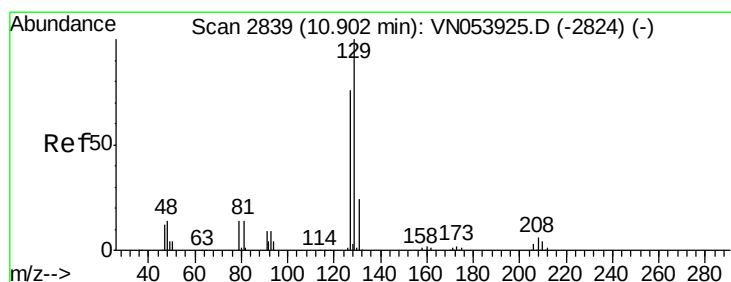
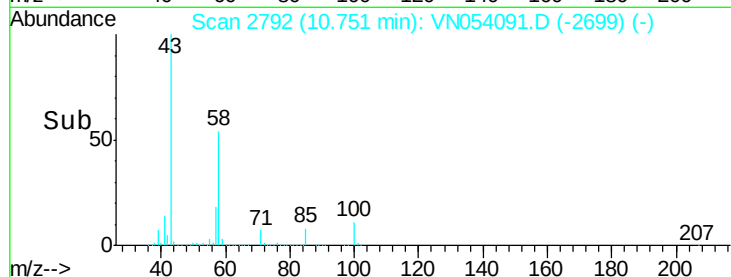
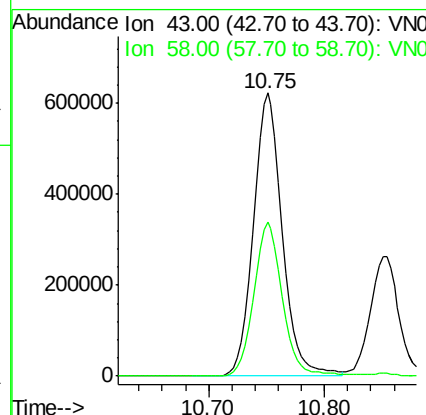
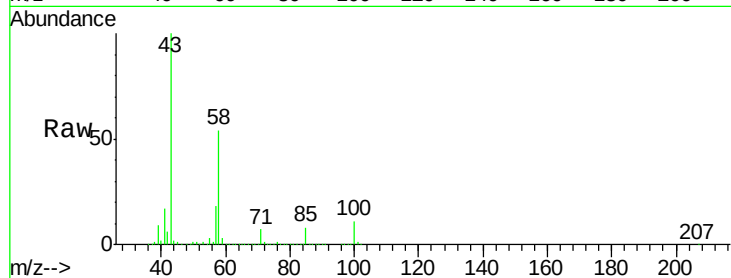
#59
2-Hexanone
Concen: 266.402 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1078461
Ion Ratio Lower Upper
43 100
58 54.0 29.1 87.4

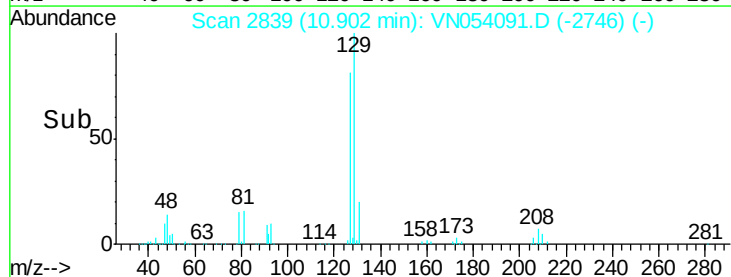
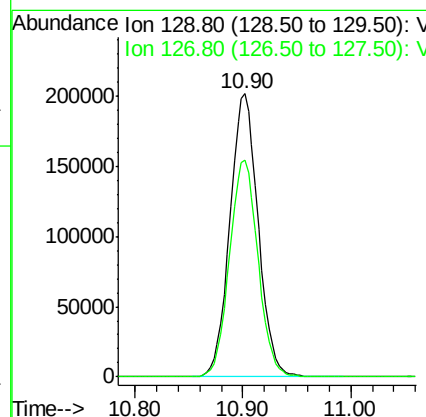
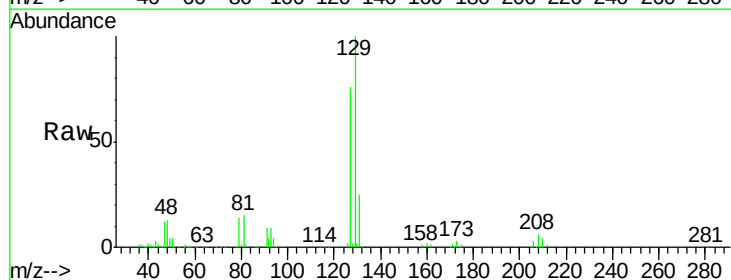
Manual Integrations
APPROVED

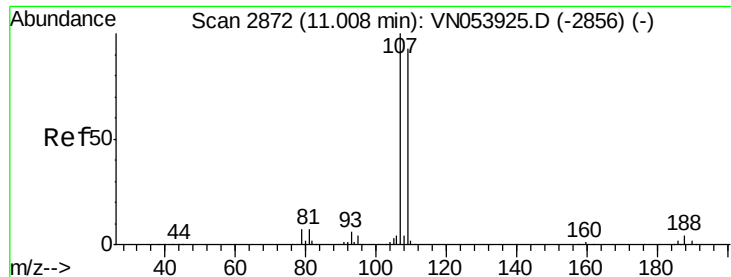
MMDadoda
3/6/2019 9:15:28 AM



#60
Dibromochloromethane
Concen: 48.694 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion: 129 Resp: 367319
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





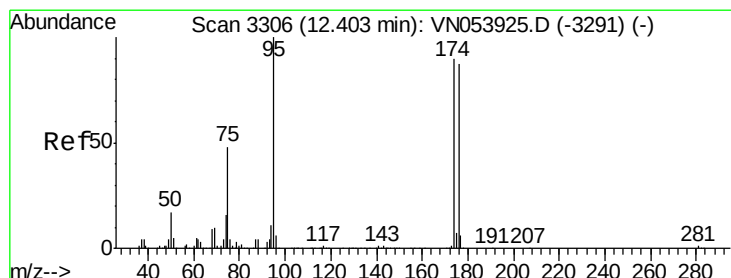
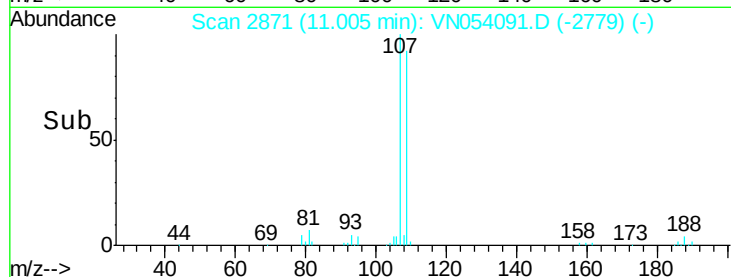
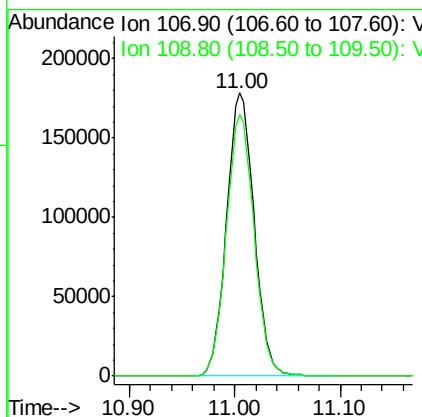
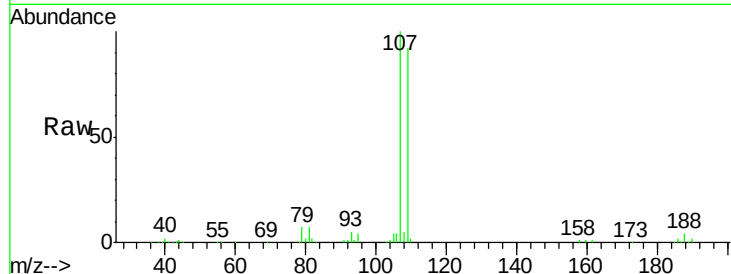
#61
 1,2-Dibromoethane
 Concen: 49.202 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	322156		
109	93.4	76.3	114.5	

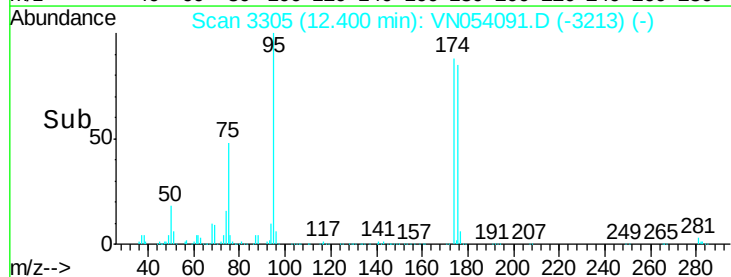
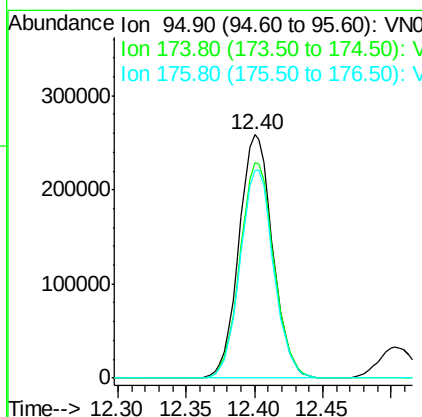
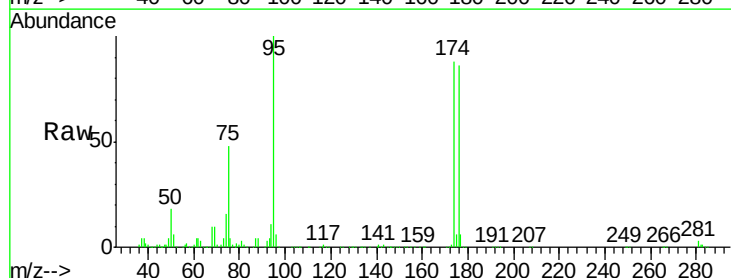
Manual Integrations
 APPROVED

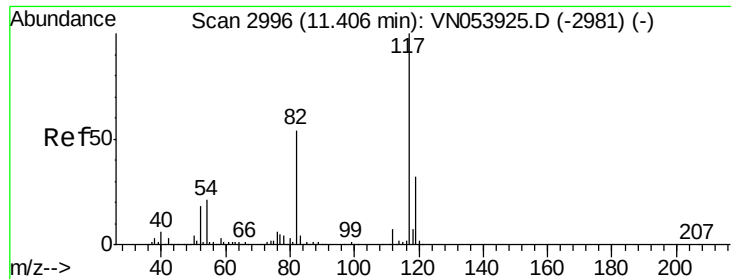
MMDadoda
 3/6/2019 9:15:28 AM



#62
 4-Bromofluorobenzene
 Concen: 51.086 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	442653		
174	89.1	0.0	188.8	
176	85.2	0.0	182.6	





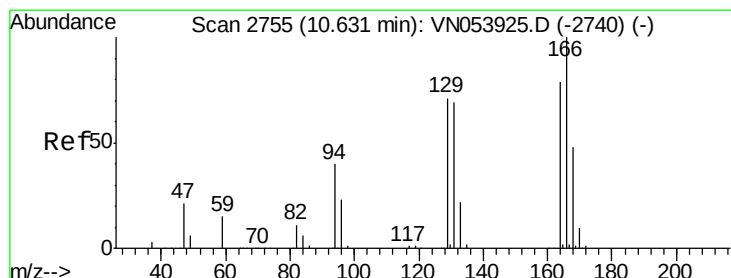
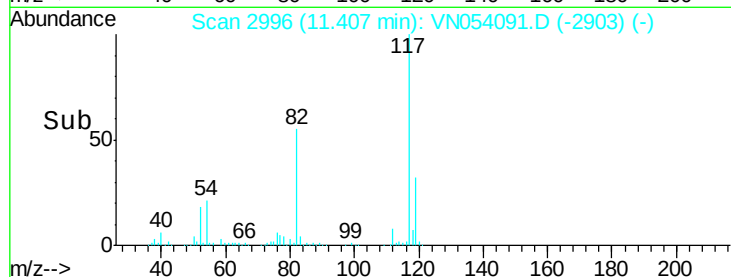
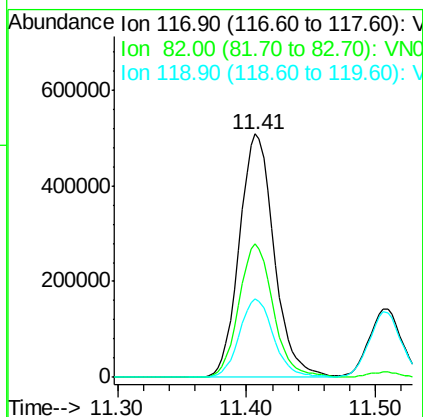
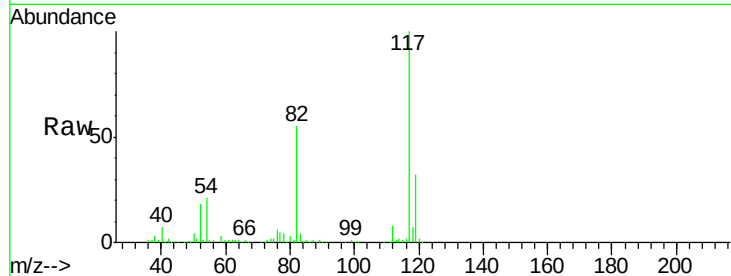
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	41.4	62.2
119	32.2	25.3	37.9

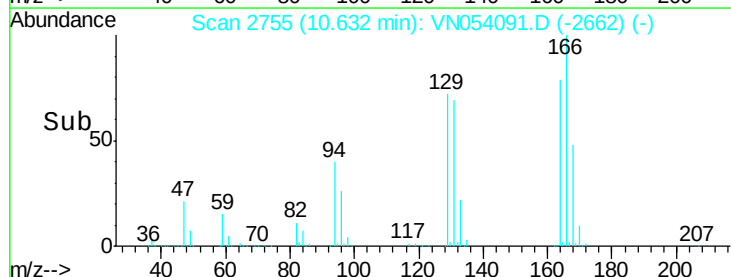
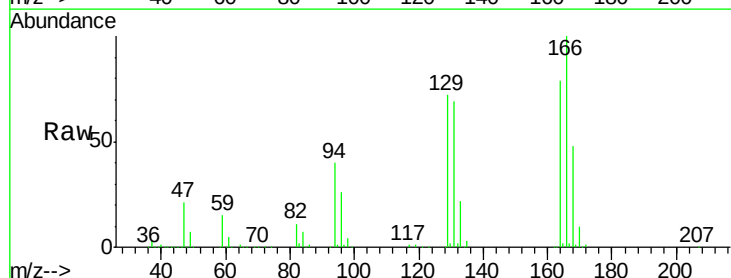
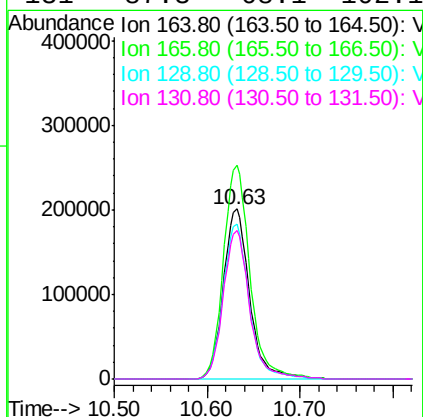
Manual Integrations
APPROVED

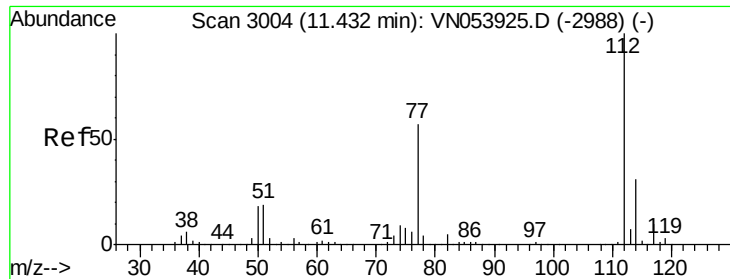
MMDadoda
3/6/2019 9:15:28 AM



#64
Tetrachloroethene
Concen: 48.807 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	102.6	153.8
129	91.1	69.4	104.0
131	87.3	68.1	102.1





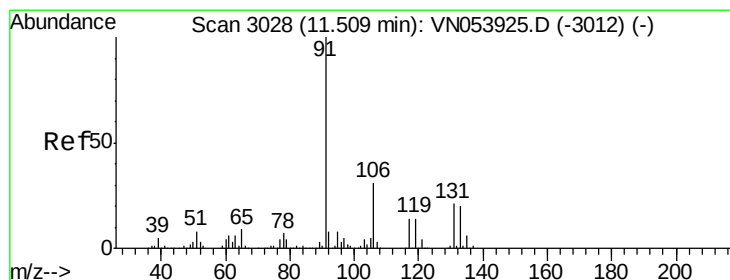
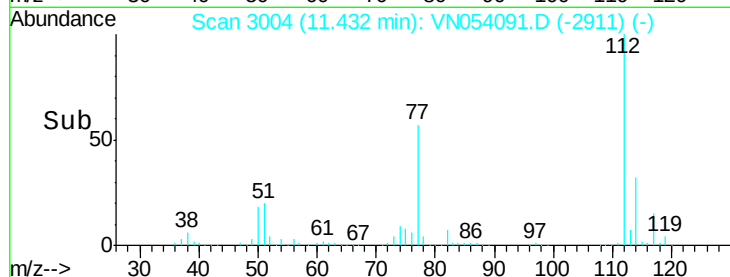
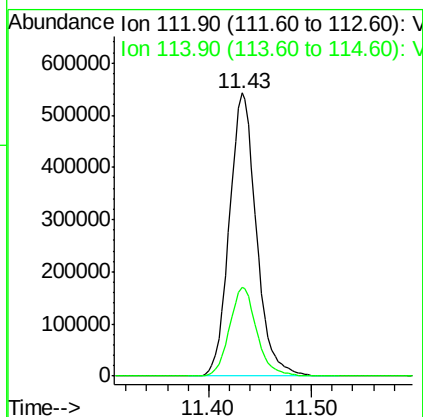
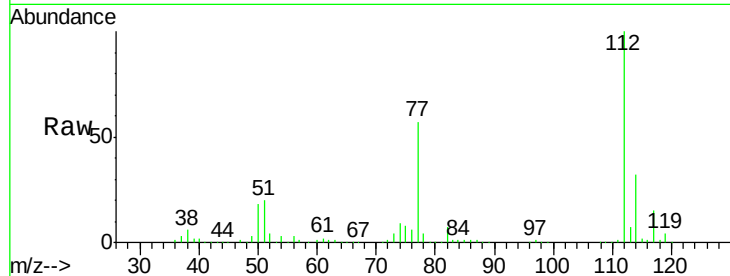
#65
Chlorobenzene
Concen: 49.092 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 989055
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

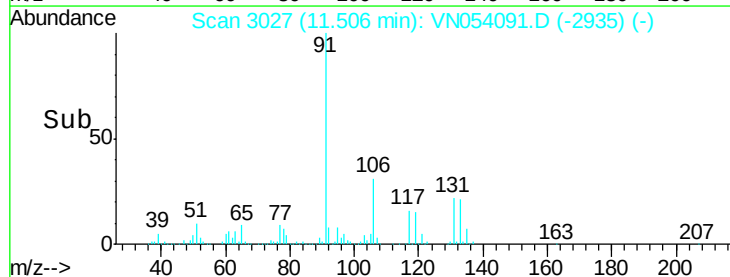
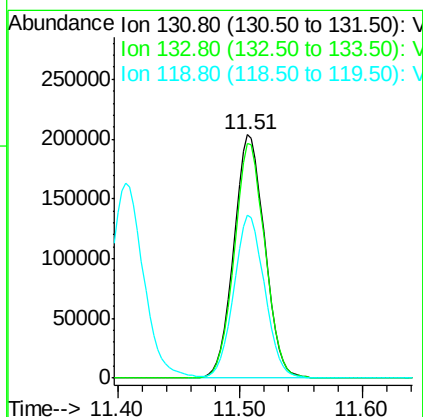
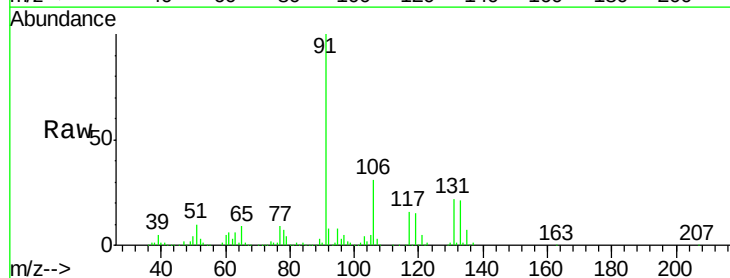
Manual Integrations
APPROVED

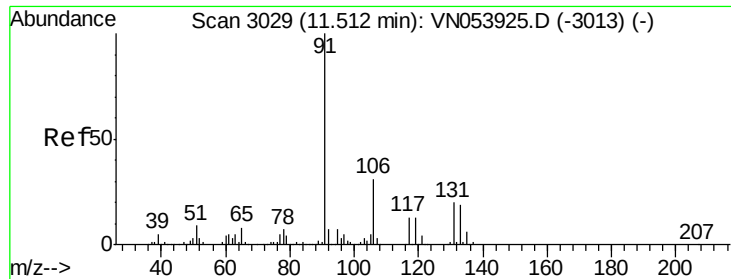
MMDadoda
3/6/2019 9:15:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.138 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion:131 Resp: 356797
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 67.0 33.1 99.3





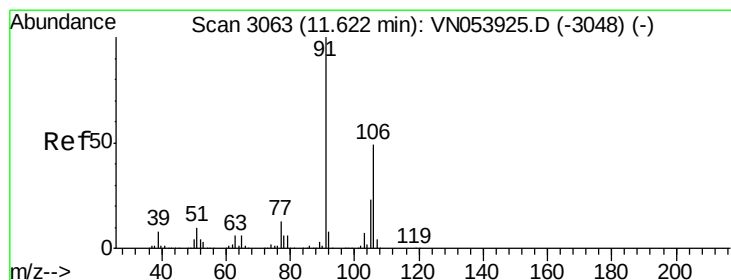
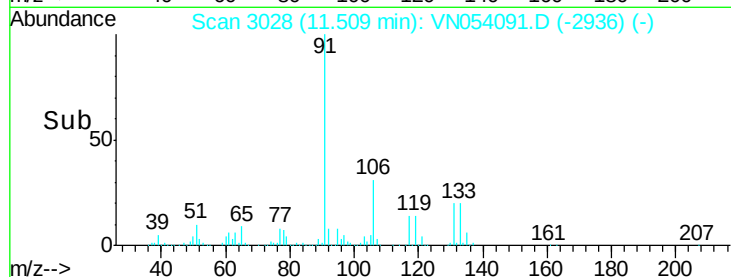
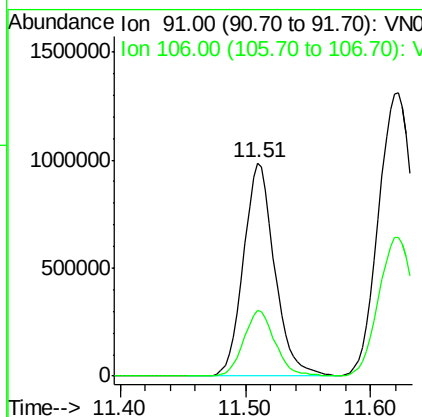
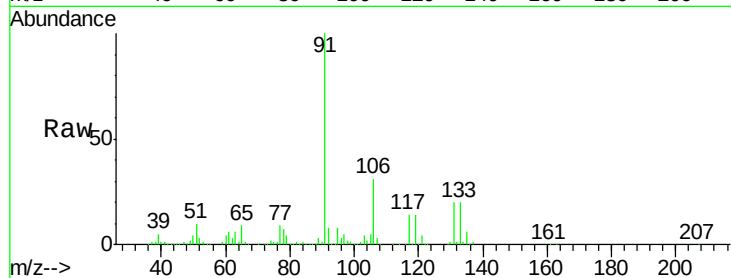
#67
Ethyl Benzene
Concen: 50.498 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1705595
Ion Ratio Lower Upper
91 100
106 30.6 25.2 37.8

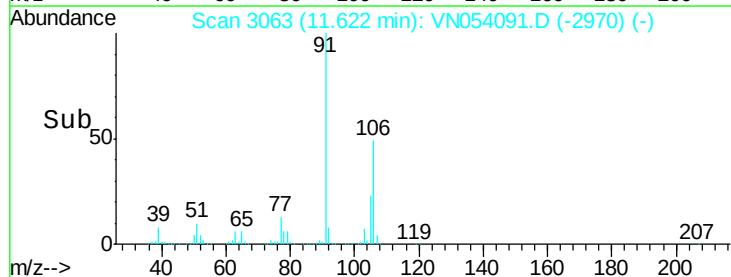
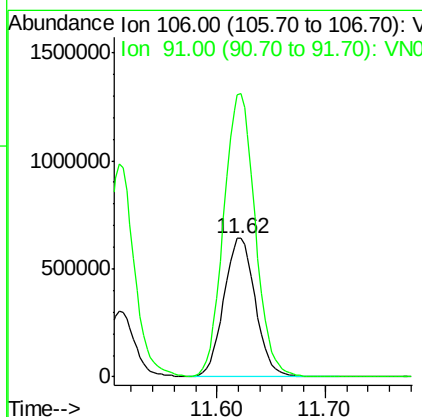
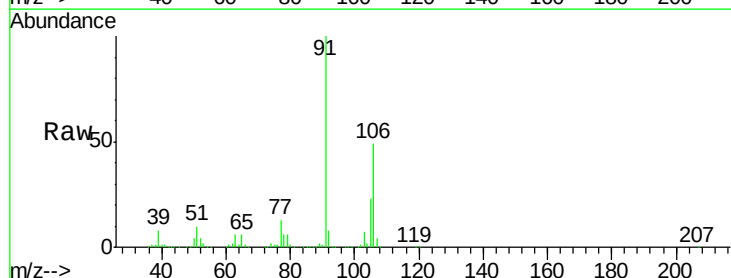
Manual Integrations
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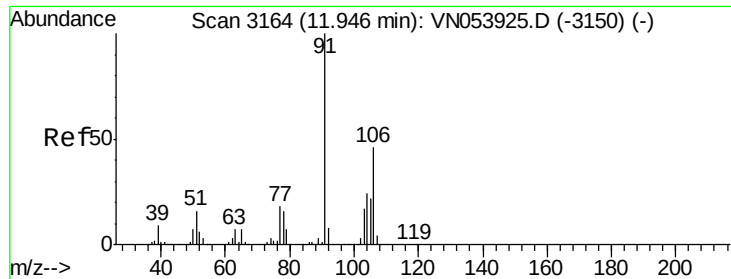
MMDadoda
3/6/2019 9:15:28 AM



#68
m/p-Xylenes
Concen: 102.382 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion: 106 Resp: 1305120
Ion Ratio Lower Upper
106 100
91 204.2 158.9 238.3





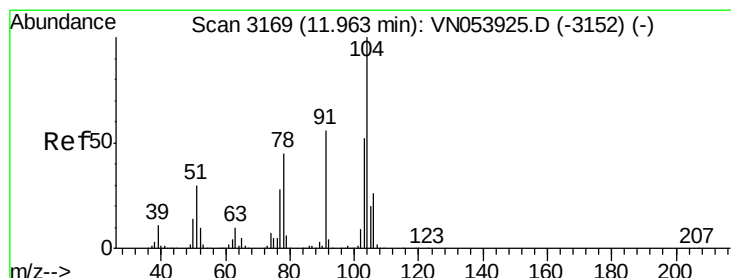
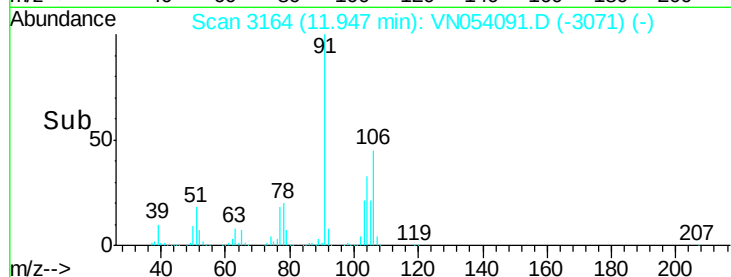
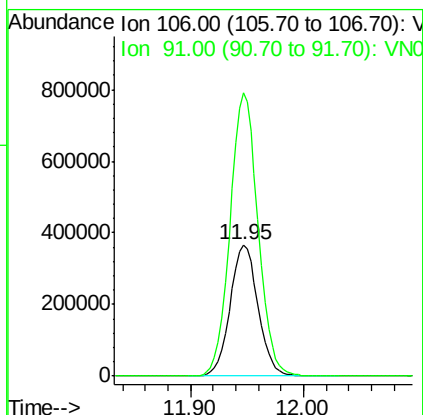
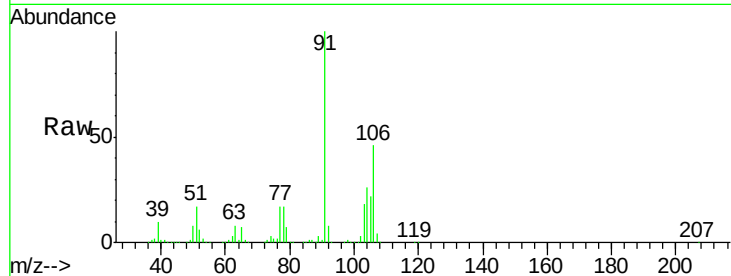
#69
o-Xylene
Concen: 50.207 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 628870
Ion Ratio Lower Upper
106 100
91 216.0 106.0 318.0

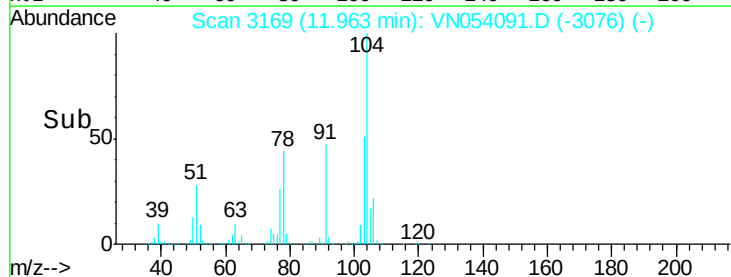
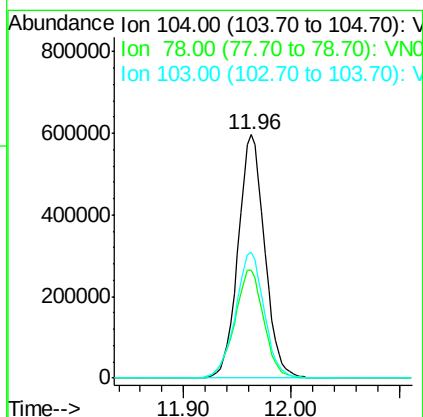
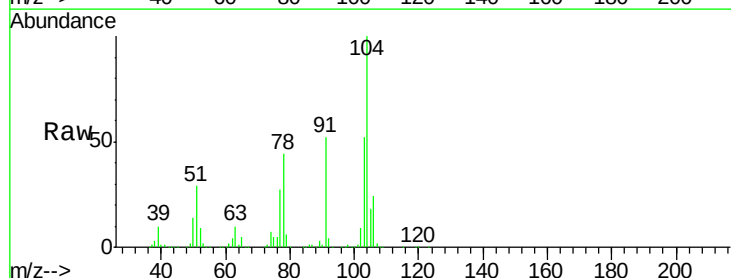
Manual Integrations
APPROVED

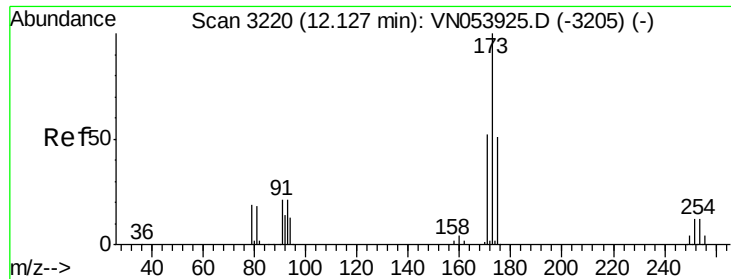
MMDadoda
3/6/2019 9:15:28 AM



#70
Styrene
Concen: 53.069 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion:104 Resp: 1022401
Ion Ratio Lower Upper
104 100
78 48.8 38.1 57.1
103 55.8 44.6 67.0





#71

Bromoform

Concen: 50.038 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

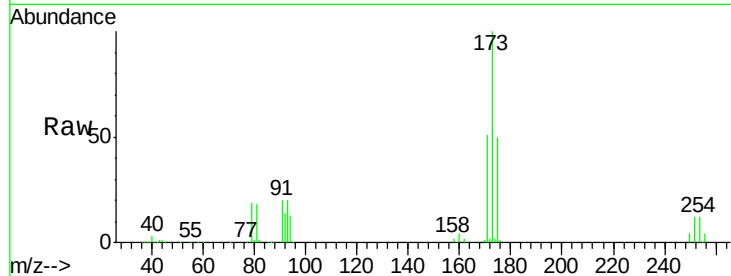
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.1	0.2	0.2

Manual Integrations
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3/6/2019 9:15:28 AM

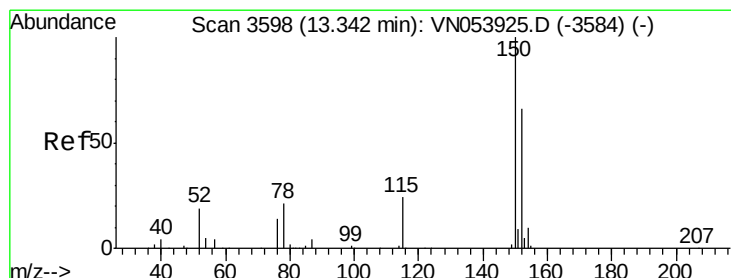
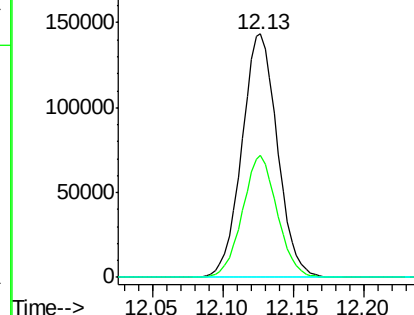
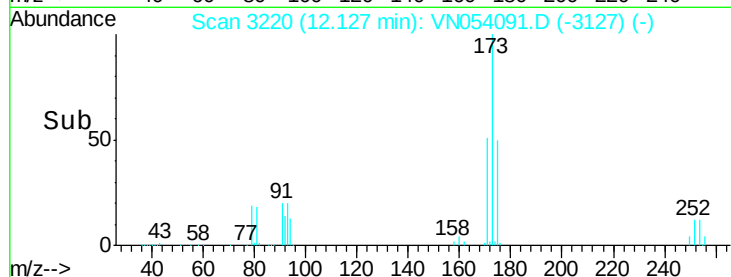


Abundance

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

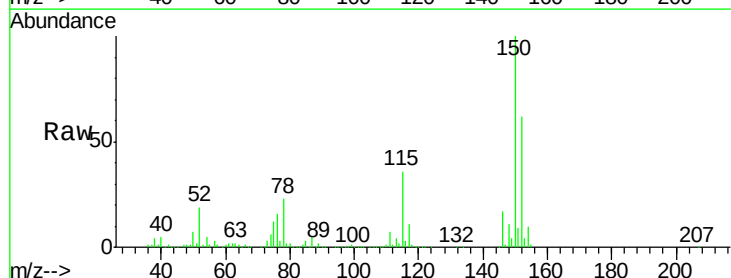
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	27.2	81.6
150	174.6	0.0	348.2

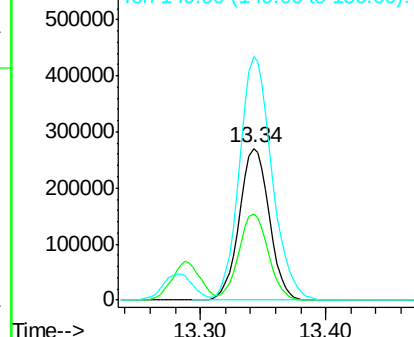
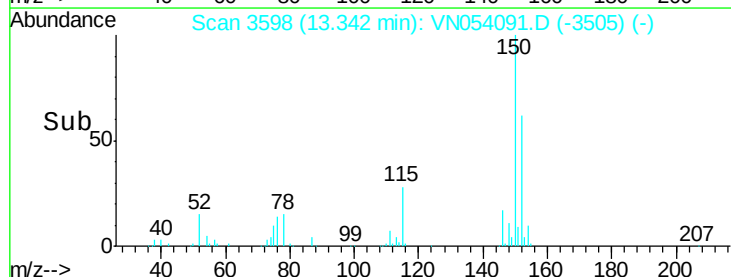


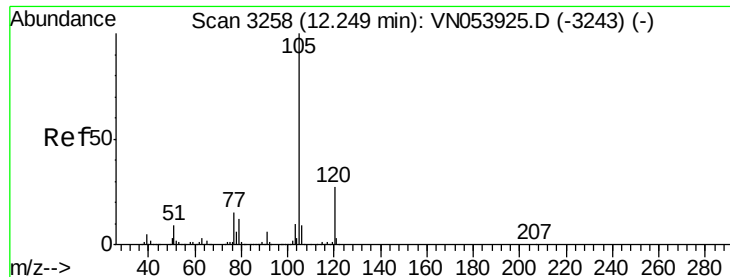
Abundance

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: 48.168 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1674589

Ion Ratio Lower Upper

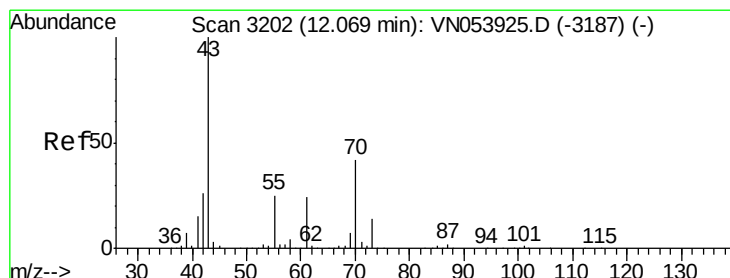
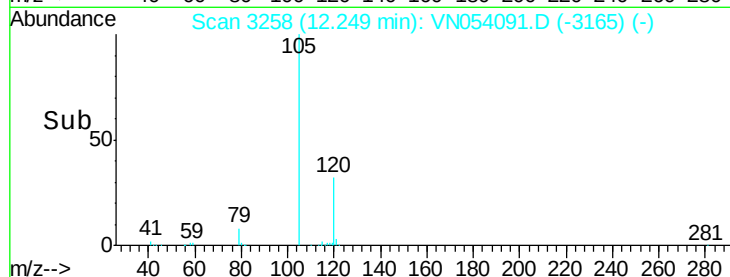
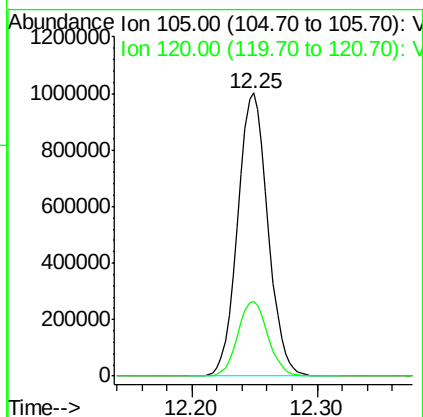
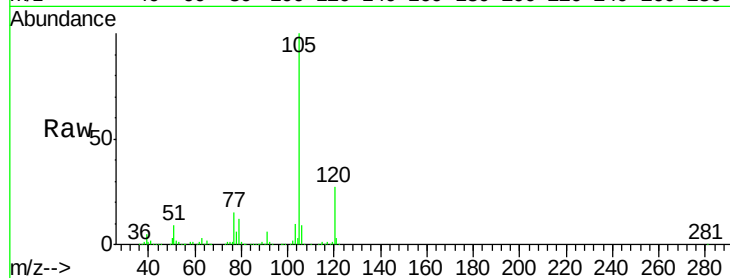
105 100

120 26.5 13.5 40.5

Manual Integrations
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3/6/2019 9:15:28 AM



#74

N-ethyl acetate

Concen: 50.156 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion: 43 Resp: 457019

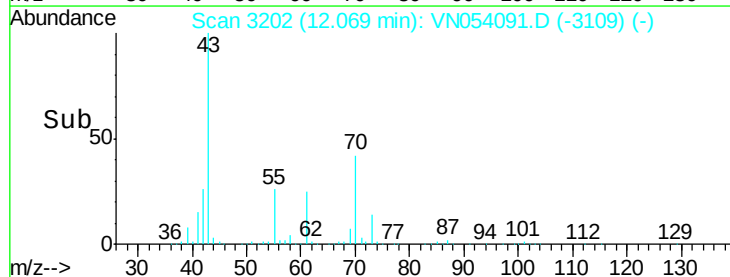
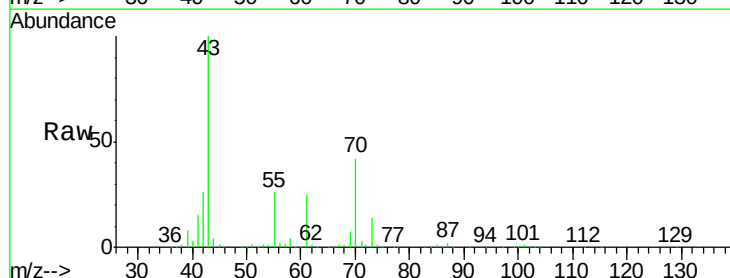
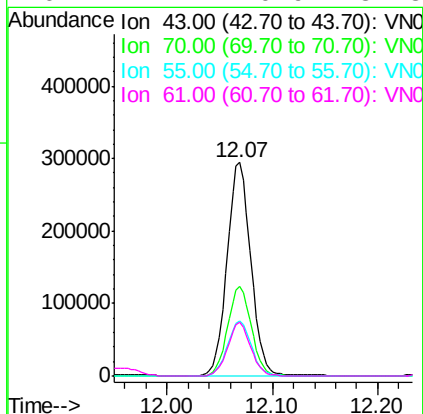
Ion Ratio Lower Upper

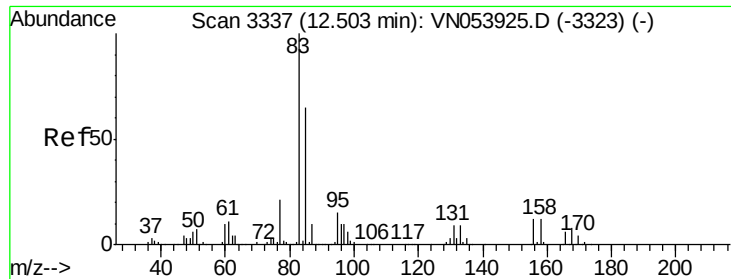
43 100

70 42.1 37.4 56.2

55 26.1 21.4 32.0

61 24.4 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 45.931 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

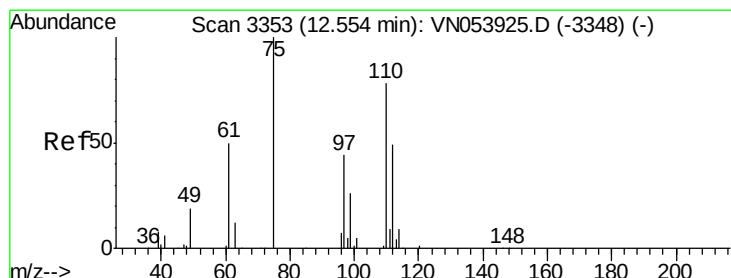
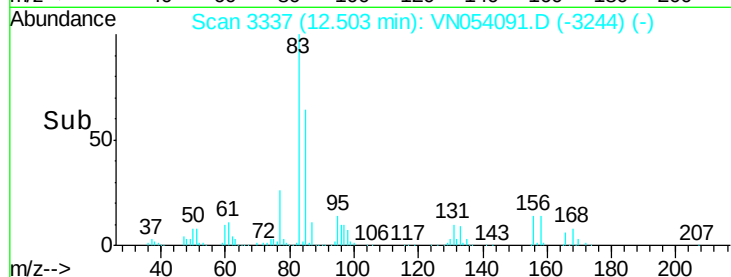
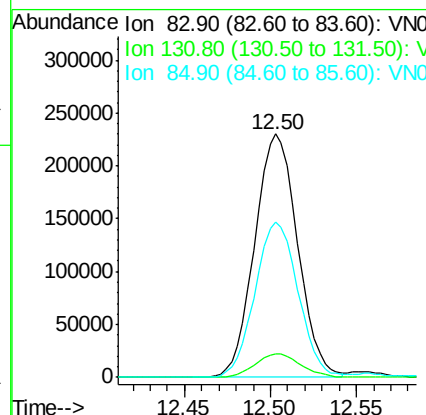
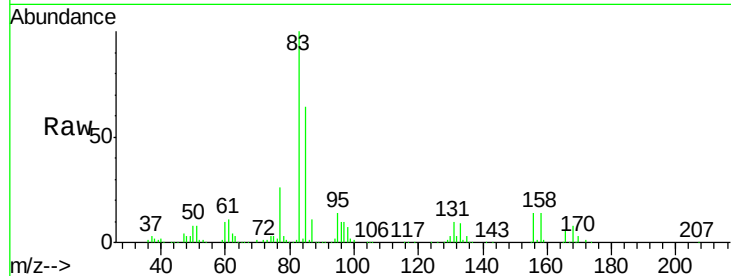
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	399309
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	16.1
85	64.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.404 ug/l m

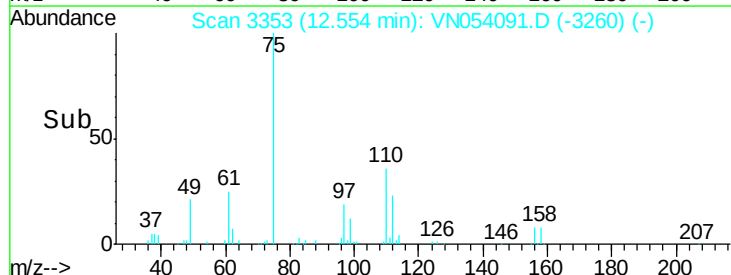
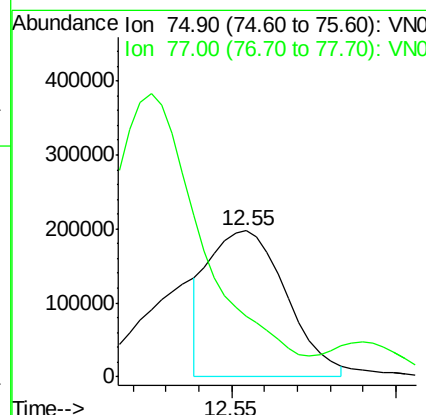
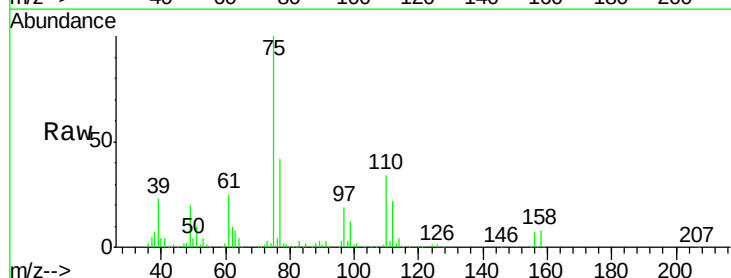
RT: 12.55 min Scan# 3353

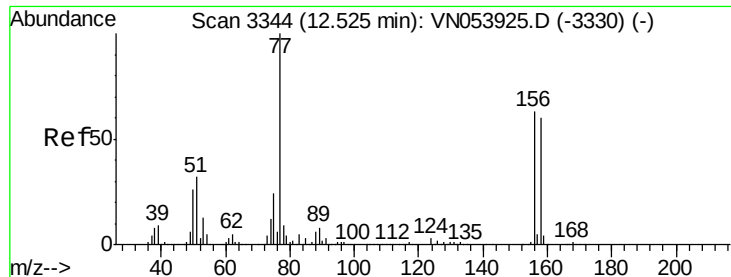
Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	75	Resp:	325291
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.829 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

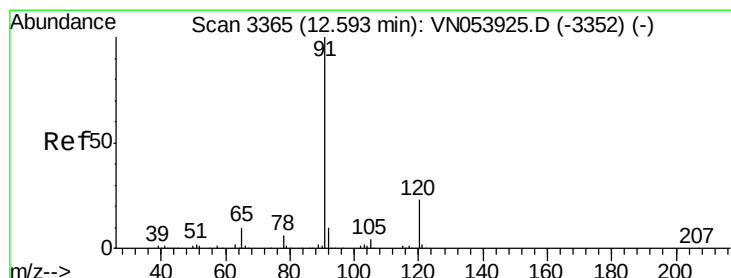
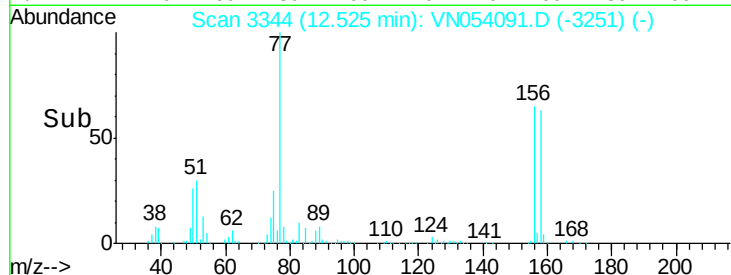
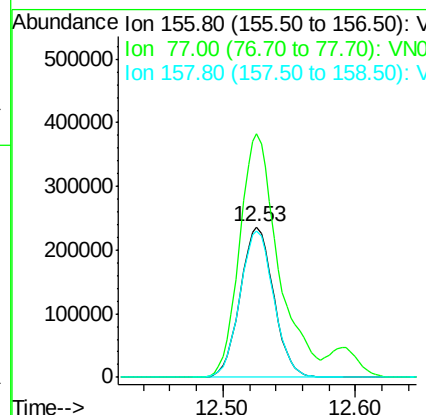
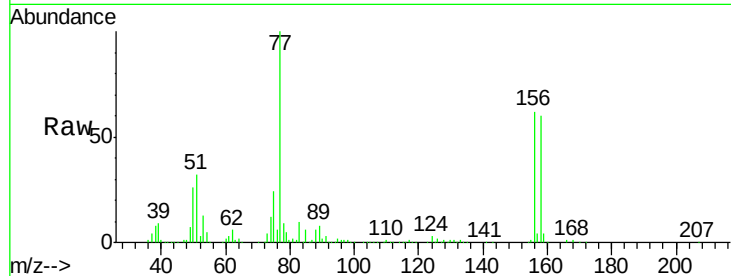
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.9	84.0	252.2
158	98.2	48.5	145.6

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#78

n-propylbenzene

Concen: 50.213 ug/l

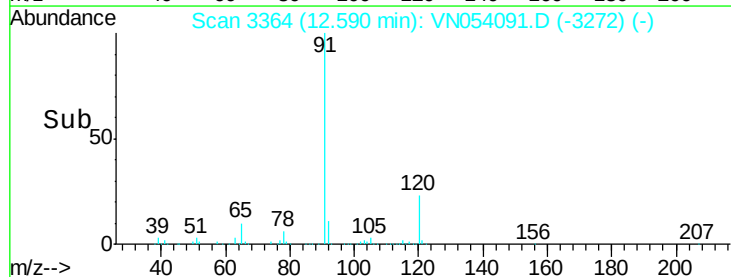
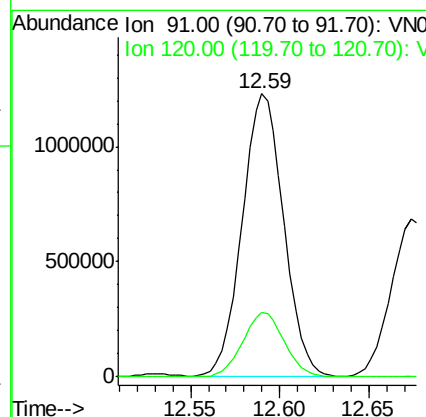
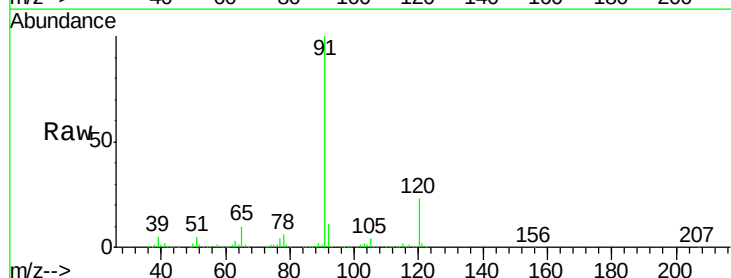
RT: 12.59 min Scan# 3364

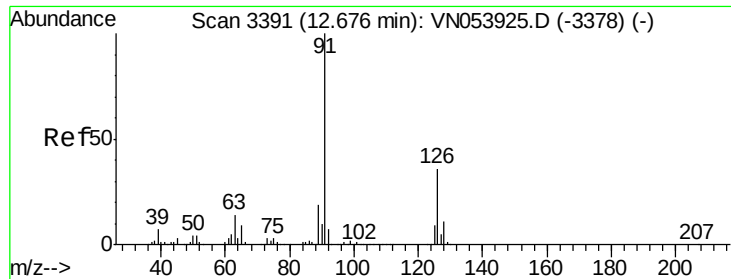
Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.9	35.9





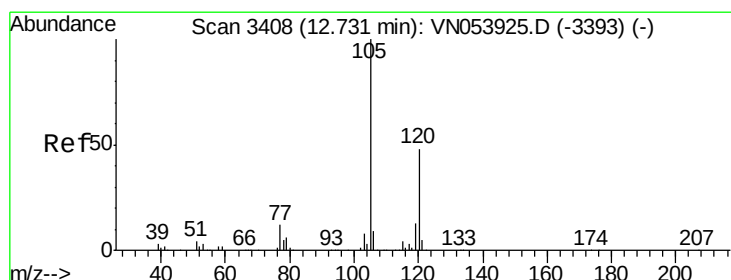
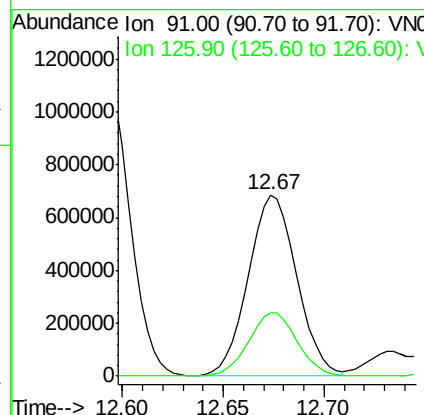
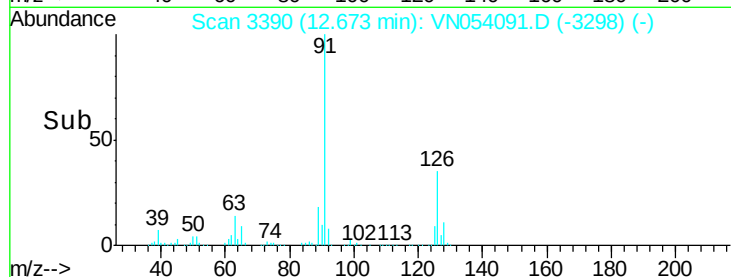
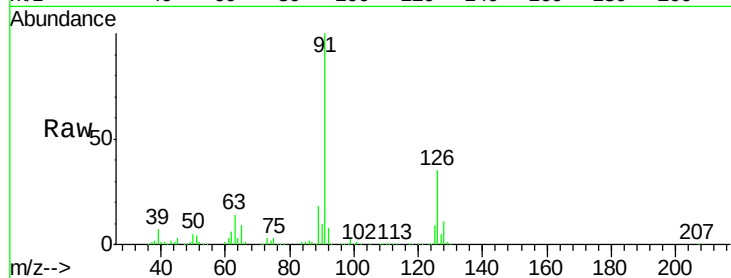
#79
 2-Chlorotoluene
 Concen: 48.349 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1148337
 Ion Ratio Lower Upper
 91 100
 126 35.3 18.1 54.4

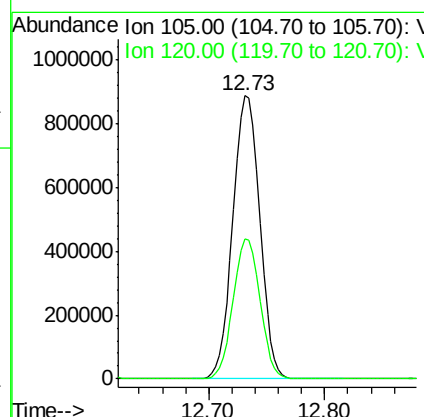
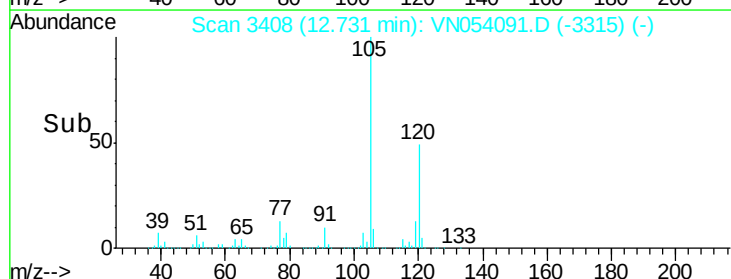
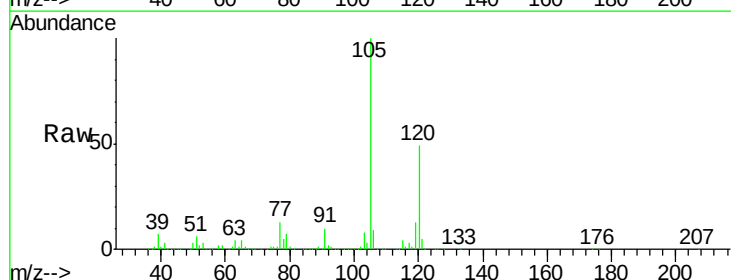
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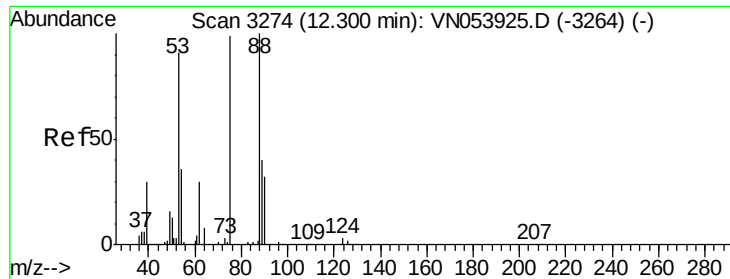
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.270 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion: 105 Resp: 1430757
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.169 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

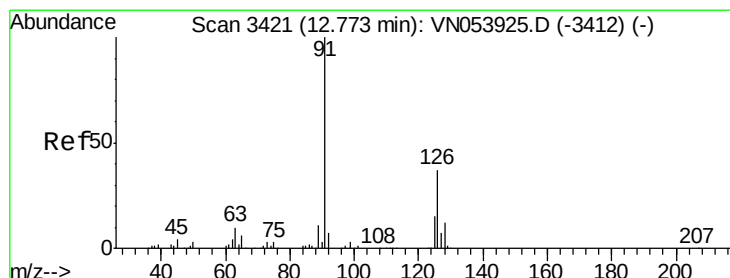
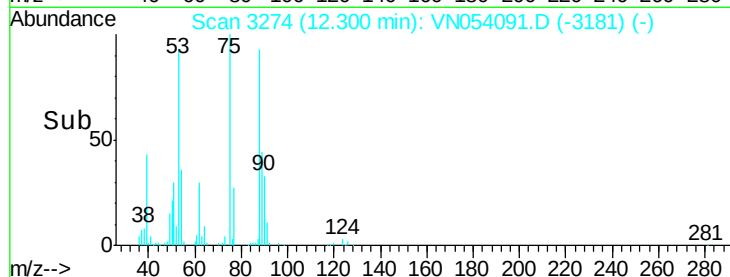
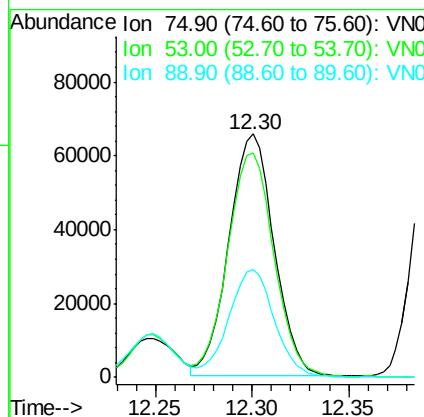
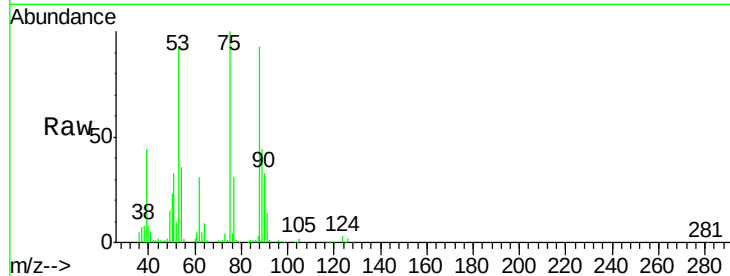
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	106922
Ion	Ratio	Lower	Upper
75	100		
53	95.0	68.6	102.8
89	44.9	35.3	52.9

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#82

4-Chlorotoluene

Concen: 49.434 ug/l

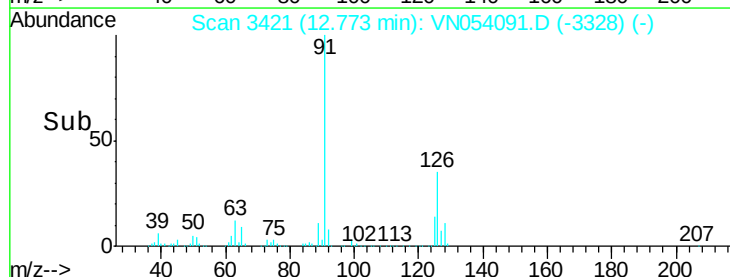
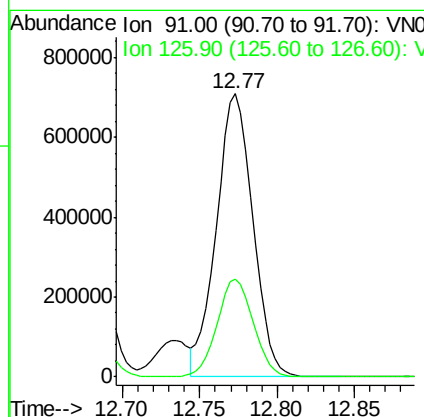
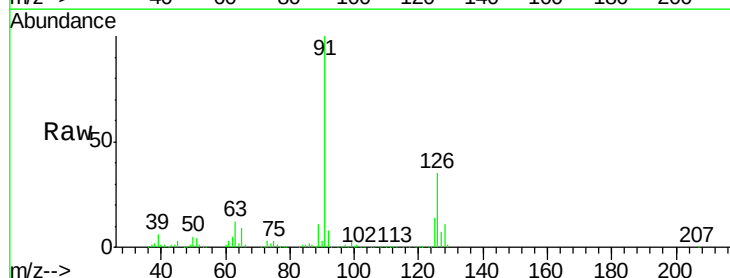
RT: 12.77 min Scan# 3421

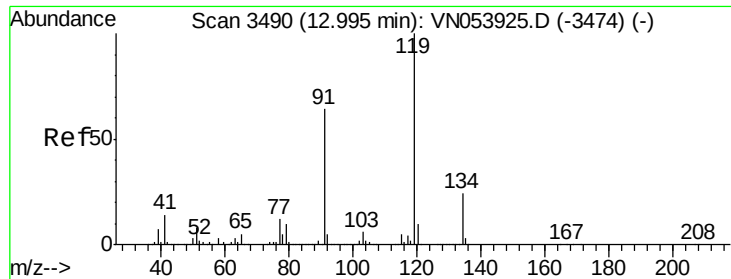
Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	91	Resp:	1160405
Ion	Ratio	Lower	Upper
91	100		
126	34.4	18.0	54.0





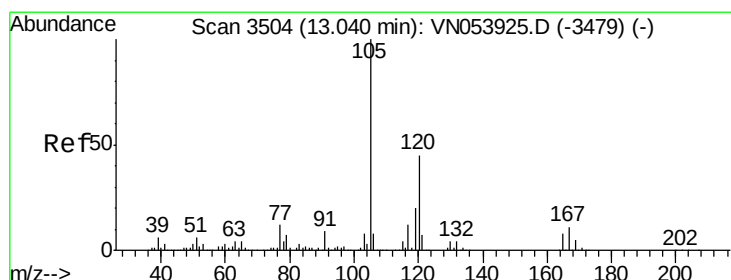
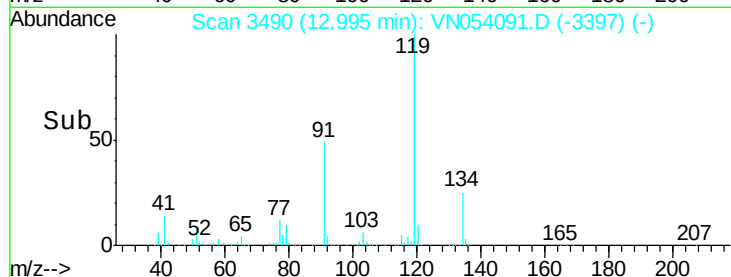
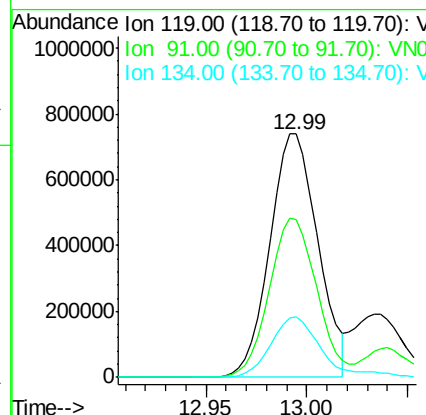
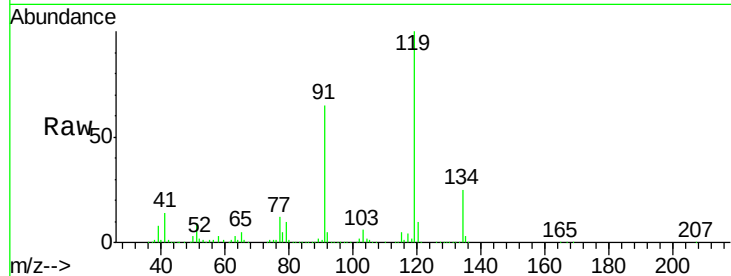
#83
 tert-Butylbenzene
 Concen: 48.587 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	30.6	91.8
134	26.1	13.0	39.0

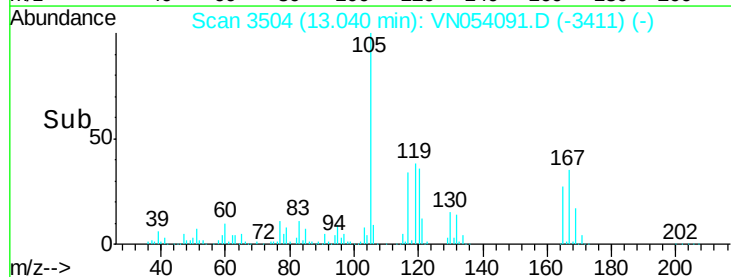
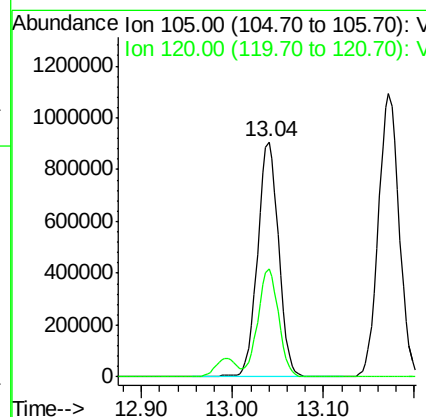
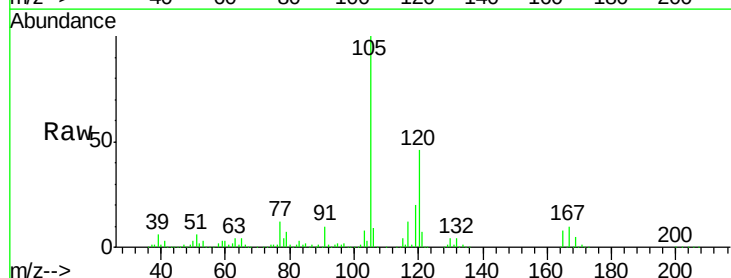
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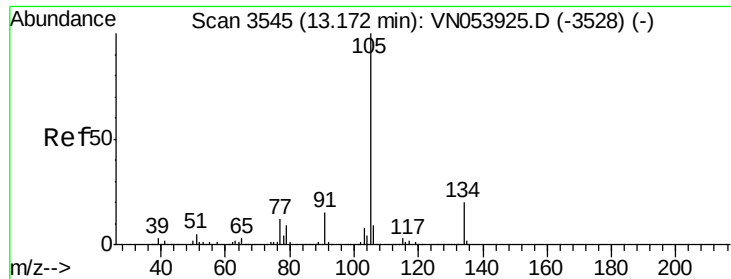
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 3/6/2019 9:15:28 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.176 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.2	69.5





#85

sec-Butylbenzene

Concen: 50.144 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1723992

Ion Ratio Lower Upper

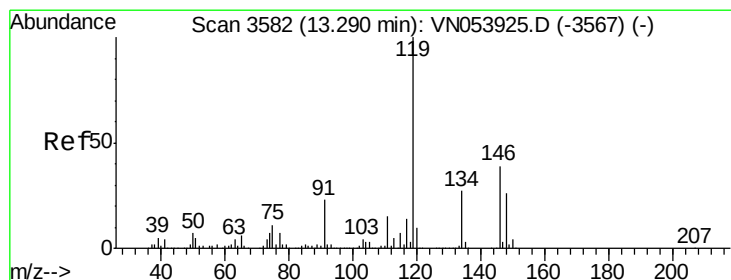
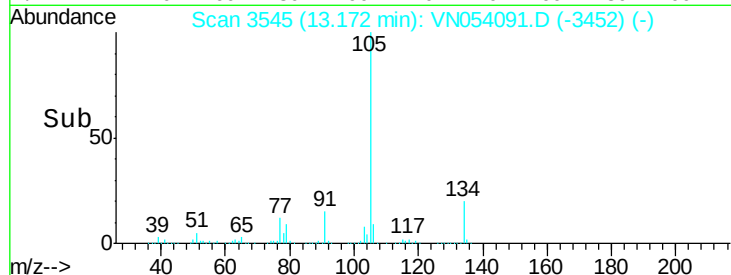
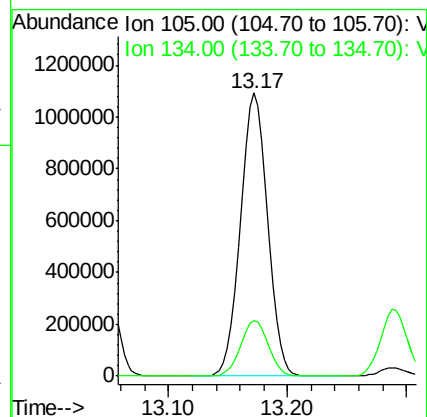
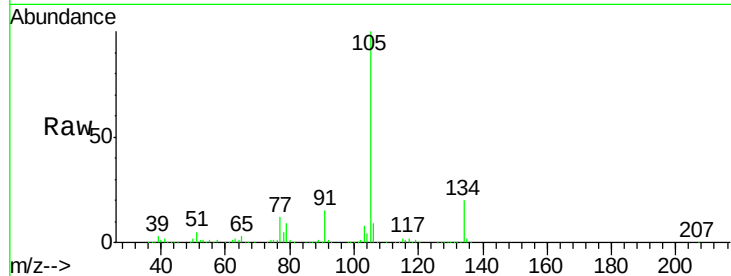
105 100

134 20.0 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 51.594 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

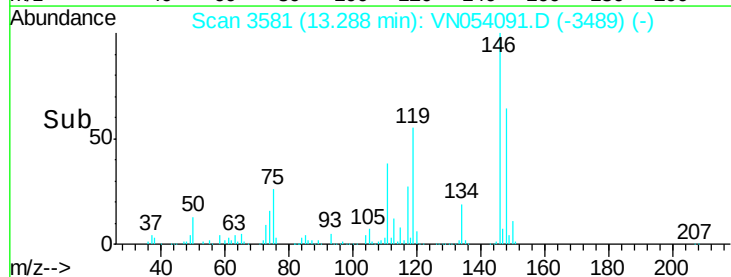
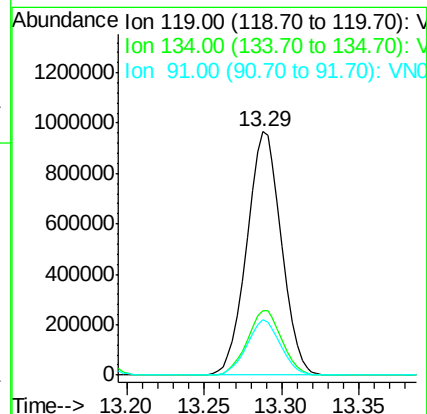
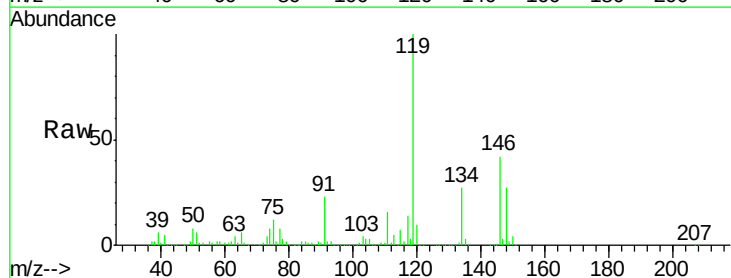
Tgt Ion:119 Resp: 1499599

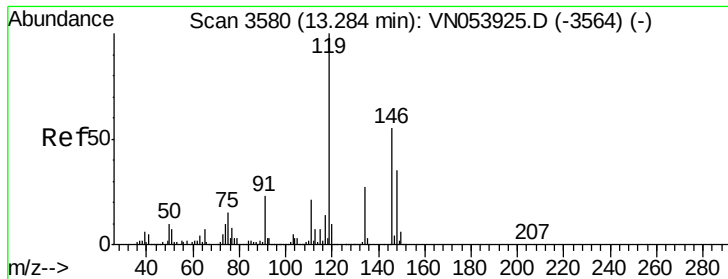
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.2 10.9 32.6





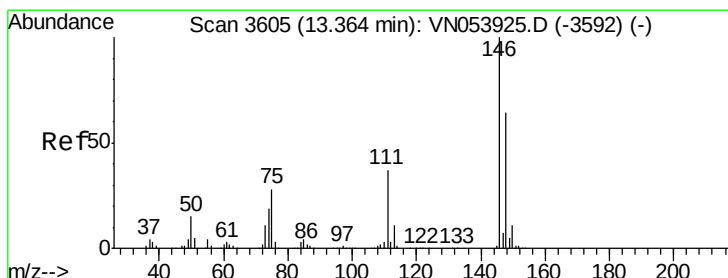
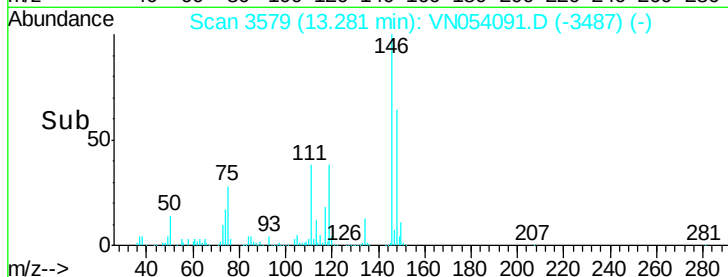
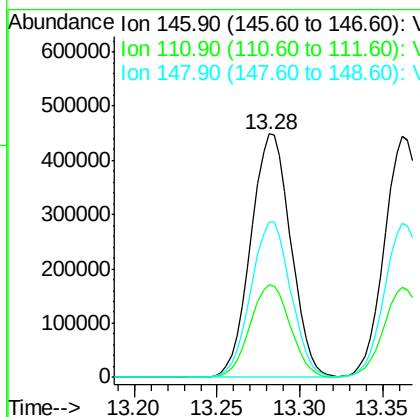
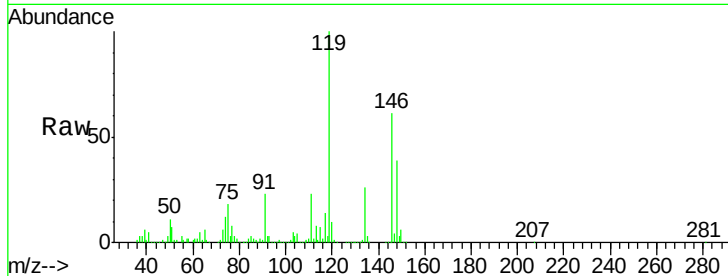
#87
 1,3-Dichlorobenzene
 Concen: 49.271 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	63.9	32.0	96.2

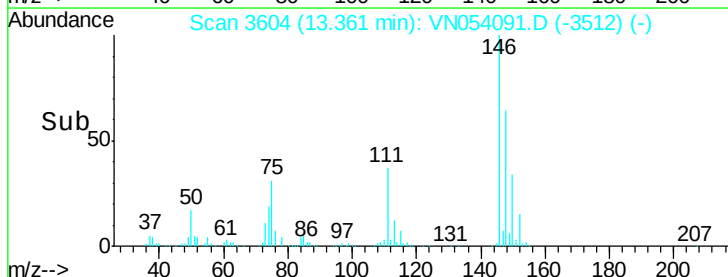
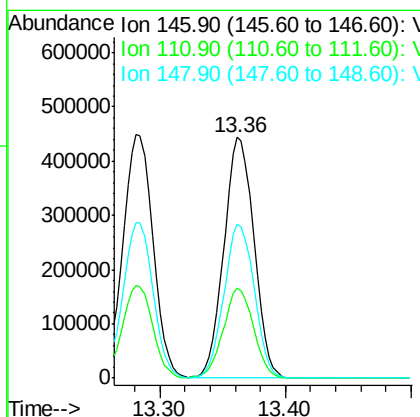
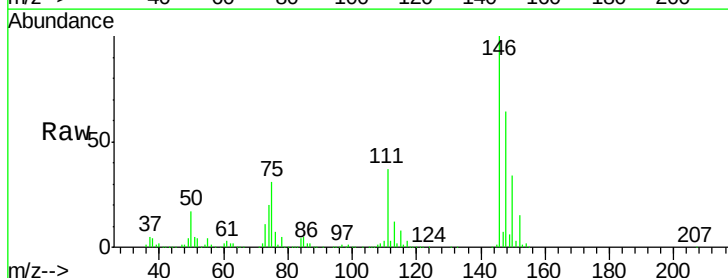
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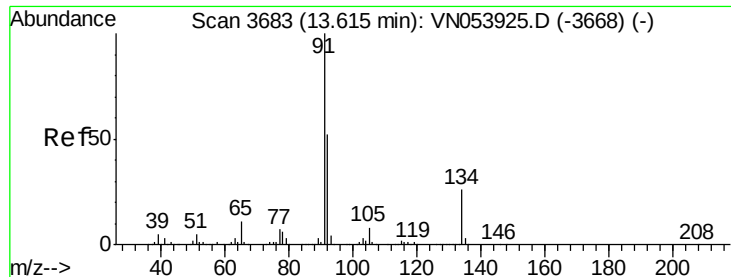
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#88
 1,4-Dichlorobenzene
 Concen: 49.894 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054091.D
 Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.0	54.0
148	64.3	32.1	96.5





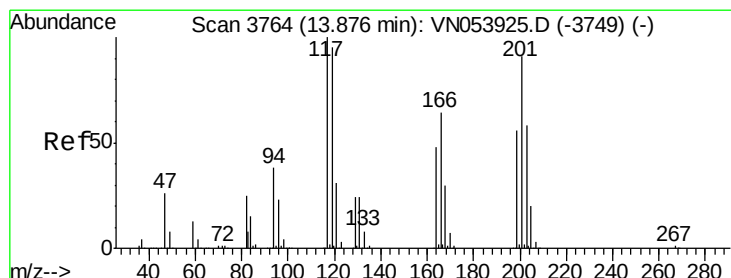
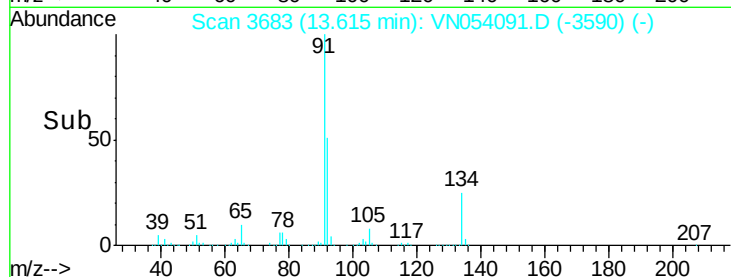
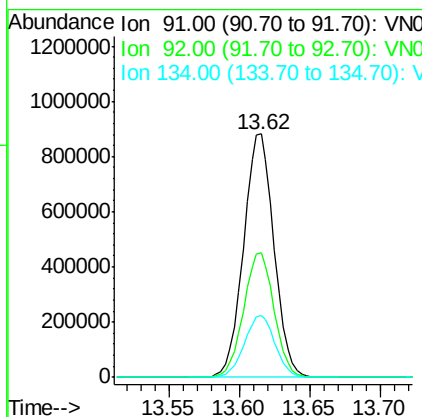
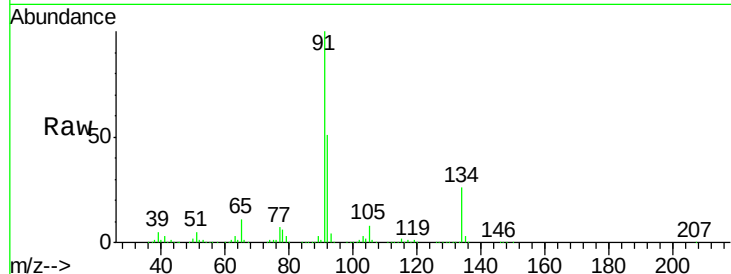
#89
n-Butylbenzene
Concen: 54.296 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	25.6	13.6	40.8

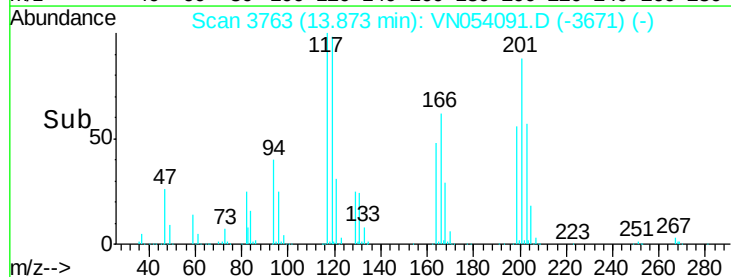
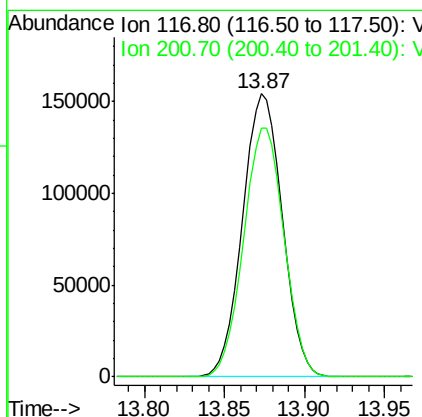
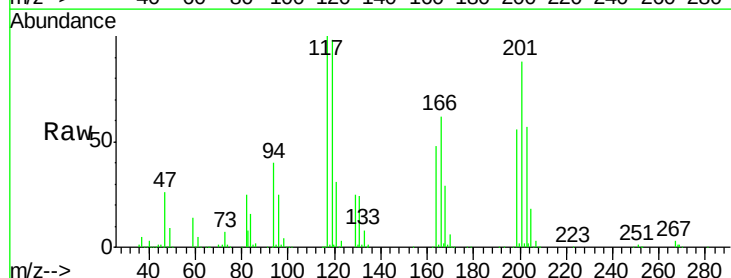
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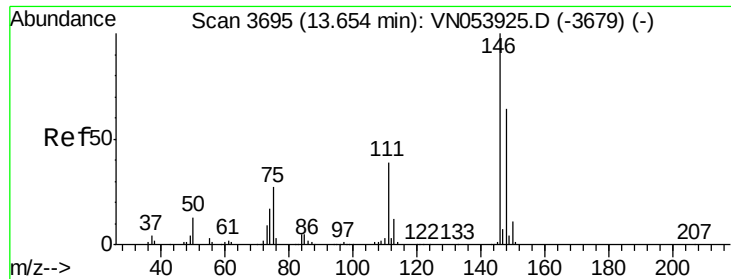
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#90
Hexachloroethane
Concen: 46.458 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	48.0	144.2





#91

1,2-Dichlorobenzene

Concen: 49.051 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

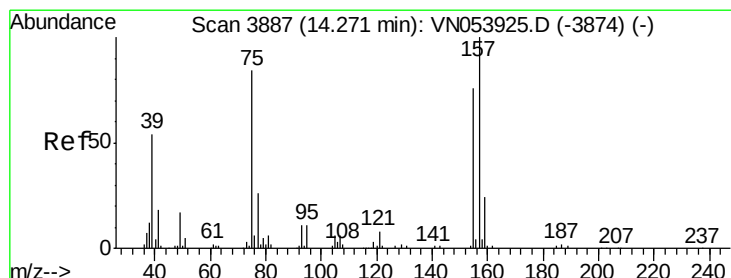
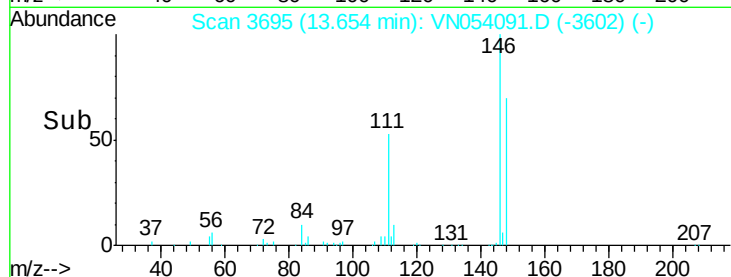
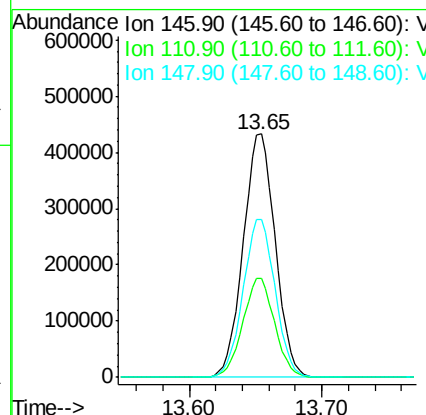
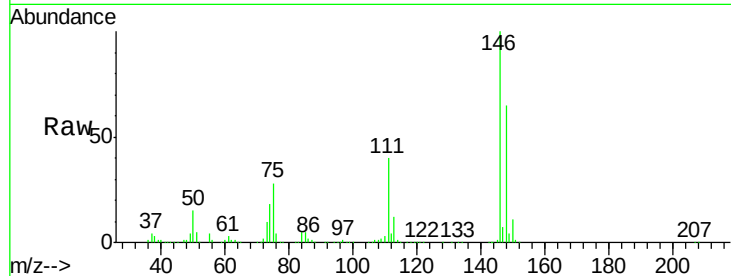
ClientSampled :

VSTDCCC050

Tot Ion:	146	Resp:	725018
Ion Ratio		Lower	Upper
146	100		
111	40.3	19.1	57.5
148	64.9	32.1	96.5

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3/6/2019 9:15:28 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.895 ug/l

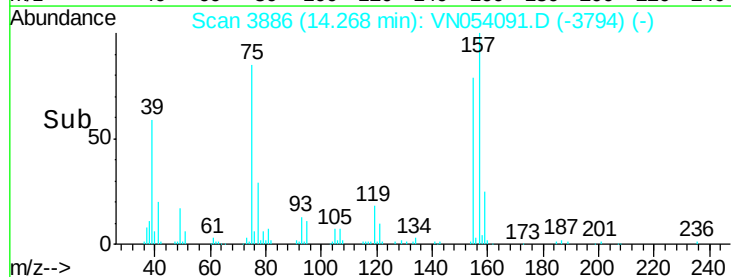
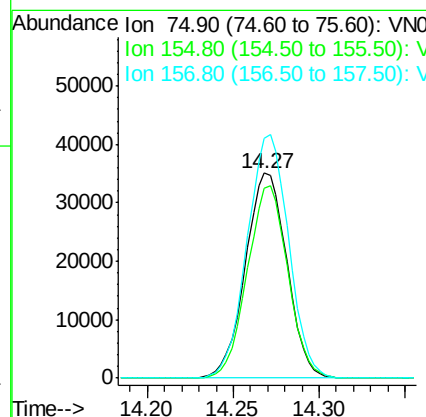
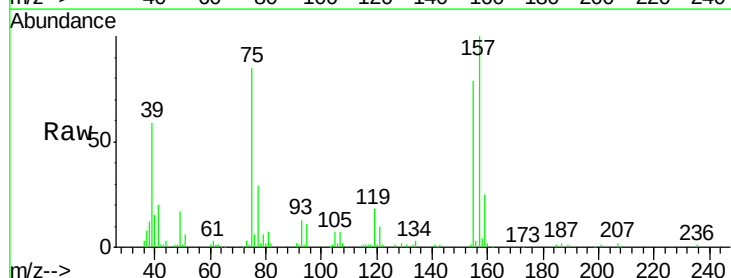
RT: 14.27 min Scan# 3886

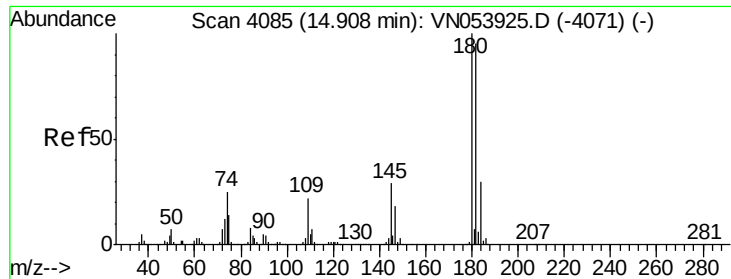
Delta R.T. -0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	75	Resp:	58842
Ion Ratio		Lower	Upper
75	100		
155	91.5	49.5	148.5
157	118.7	64.8	194.6





#93

1,2,4-Trichlorobenzene

Concen: 48.544 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Instrument :

MSVOA_N

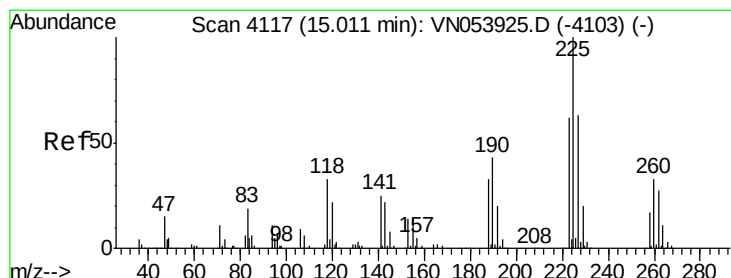
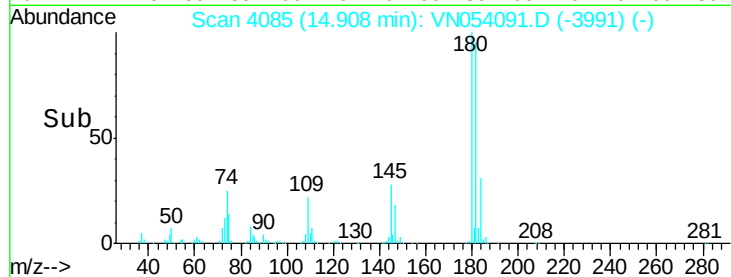
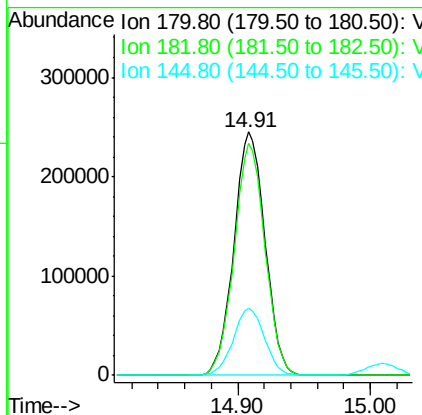
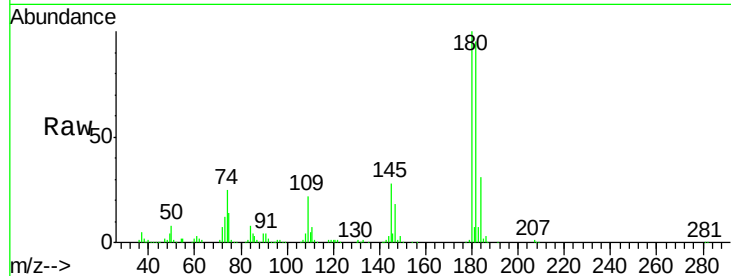
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	397936
Ion Ratio	Lower	Upper	
180	100		
182	94.5	48.6	145.9
145	28.0	13.8	41.3

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 50.463 ug/l

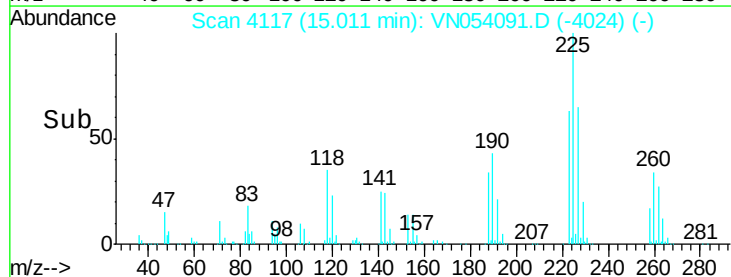
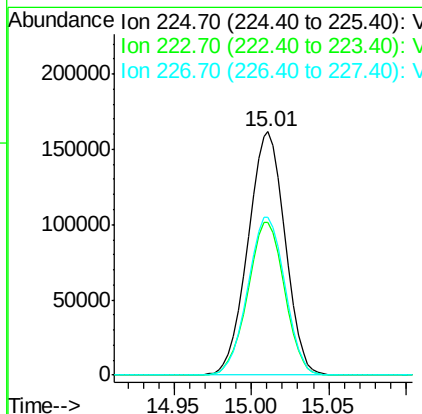
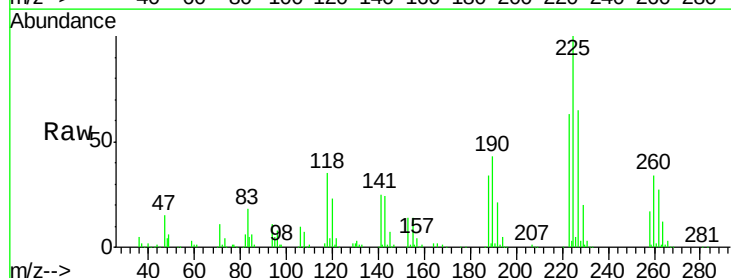
RT: 15.01 min Scan# 4117

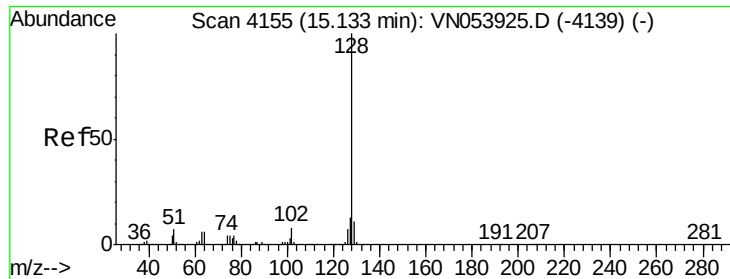
Delta R.T. 0.00 min

Lab File: VN054091.D

Acq: 5 Mar 2019 11:08

Tgt Ion:	225	Resp:	269437
Ion Ratio	Lower	Upper	
225	100		
223	62.6	30.9	92.5
227	65.4	32.5	97.4





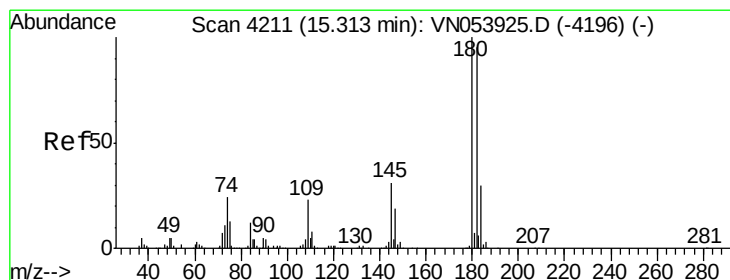
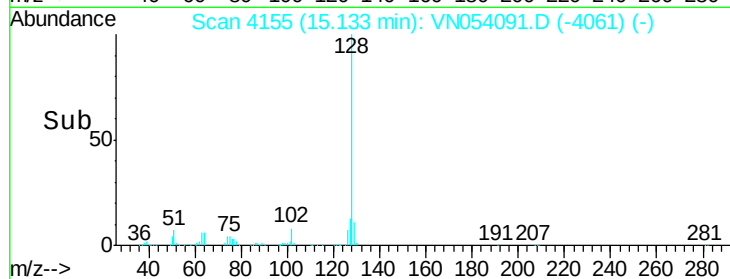
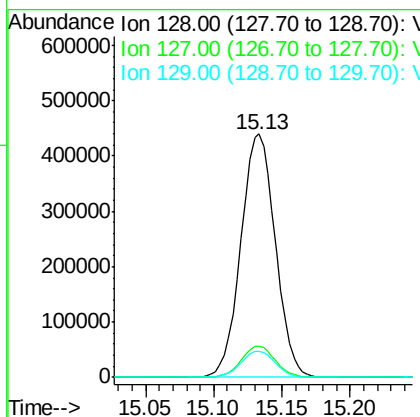
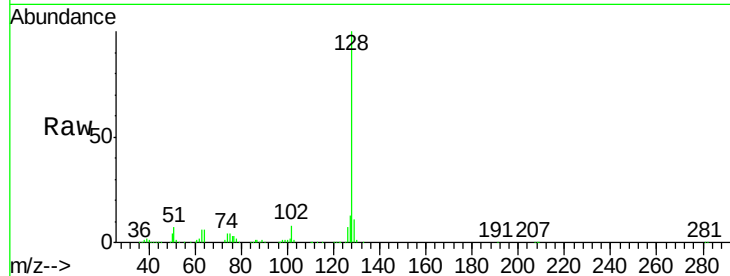
#95
Naphthalene
Concen: 43.978 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/6/2019 9:15:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.941 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054091.D
Acq: 5 Mar 2019 11:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.8
145	30.4	14.4	43.0

