

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054657.D
 Acq On : 24 Mar 2019 19:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 9:55:20 AM

Quant Time: Mar 25 07:45:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	447370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	754420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	649483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284215	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	303622	54.56	ug/l	0.00
Spiked Amount			Recovery	=	109.12%	
35) Dibromofluoromethane	7.59	113	243543	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.09	98	897789	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.40	95	310589	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	234590	54.853	ug/l	98
3) Chloromethane	2.06	50	317976	54.646	ug/l	100
4) Vinyl Chloride	2.19	62	295653	50.607	ug/l	99
5) Bromomethane	2.57	94	169402	44.843	ug/l	99
6) Chloroethane	2.71	64	169823	48.464	ug/l	97
7) Trichlorofluoromethane	3.02	101	365599	51.531	ug/l	99
8) Diethyl Ether	3.41	74	126892	46.504	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	193092	46.309	ug/l	93
10) Methyl Iodide	3.95	142	289389	47.181	ug/l #	90
11) Tert butyl alcohol	4.82	59	84402	250.532	ug/l	99
12) 1,1-Dichloroethene	3.73	96	193184	44.770	ug/l #	75
13) Acrolein	3.61	56	56125	120.721	ug/l	92
14) Allyl chloride	4.32	41	451974	55.624	ug/l #	91
15) Acrylonitrile	5.00	53	483423	288.148	ug/l	99
16) Acetone	3.82	43	341142	203.911	ug/l #	84
17) Carbon Disulfide	4.04	76	528497	45.711	ug/l	99
18) Methyl Acetate	4.33	43	220876	59.233	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	699707	55.562	ug/l	96
20) Methylene Chloride	4.55	84	265139	53.763	ug/l #	80
21) trans-1,2-Dichloroethene	5.04	96	240080	54.487	ug/l	87
22) Diisopropyl ether	5.96	45	961447	59.988	ug/l #	92
23) Vinyl Acetate	5.90	43	3387117	299.225	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	499642	57.898	ug/l	97
25) 2-Butanone	6.85	43	598203	279.130	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	299991	48.766	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	286632	54.539	ug/l	89
28) Bromochloromethane	7.19	49	237239	55.851	ug/l #	72
29) Tetrahydrofuran	7.22	42	413362	297.227	ug/l #	83
30) Chloroform	7.37	83	480970	57.110	ug/l	100
31) Cyclohexane	7.65	56	467638	56.806	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	391126	56.293	ug/l	95
36) 1,1-Dichloropropene	7.79	75	354431	50.246	ug/l	96
37) Ethyl Acetate	6.94	43	273668	54.548	ug/l	95
38) Carbon Tetrachloride	7.77	117	333083	48.591	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384429	47.643	ug/l	89
40) Benzene	8.04	78	1062573	52.678	ug/l	99
41) Methacrylonitrile	7.17	41	169875	55.522	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	386227	52.578	ug/l	97
43) Isopropyl Acetate	8.17	43	471986	55.705	ug/l #	93
44) Trichloroethene	8.84	130	276228	49.257	ug/l	91
45) 1,2-Dichloropropane	9.12	63	298807	55.168	ug/l	99
46) Dibromomethane	9.21	93	169022	52.309	ug/l	90
47) Bromodichloromethane	9.40	83	355816	53.059	ug/l	97
48) Methyl methacrylate	9.20	41	246736	53.652	ug/l #	86
49) 1,4-Dioxane	9.20	88	48020	934.025	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1318175	280.717	ug/l	93
52) Toluene	10.16	92	642605	51.797	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	335635	47.560	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	412401	53.634	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	233641	52.391	ug/l	97
56) Ethyl methacrylate	10.43	69	327094	54.647	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	417773	53.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	516729	209.649	ug/l	89
59) 2-Hexanone	10.75	43	818728	266.930	ug/l	91
60) Dibromochloromethane	10.90	129	244248	51.471	ug/l	100
61) 1,2-Dibromoethane	11.01	107	229548	52.066	ug/l	99
64) Tetrachloroethene	10.63	164	263499	48.912	ug/l	95
65) Chlorobenzene	11.43	112	679883	51.468	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	249525	52.627	ug/l	99
67) Ethyl Benzene	11.51	91	1209505	51.834	ug/l	98
68) m/p-Xylenes	11.62	106	893188	101.058	ug/l	95
69) o-Xylene	11.95	106	448355	51.944	ug/l	98
70) Styrene	11.96	104	734450	52.397	ug/l	97
71) Bromoform	12.13	173	145465	44.745	ug/l	100
73) Isopropylbenzene	12.25	105	1150801	50.247	ug/l	98
74) N-amyl acetate	12.07	43	376755	57.211	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	283677	54.260	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	216930m	48.099	ug/l	
77) Bromobenzene	12.53	156	285687	50.296	ug/l	85
78) n-propylbenzene	12.59	91	1262848	50.850	ug/l	97
79) 2-Chlorotoluene	12.67	91	774210	49.992	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	940627	50.112	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	55838	43.145	ug/l #	78
82) 4-Chlorotoluene	12.77	91	763365	50.852	ug/l	97
83) tert-Butylbenzene	12.99	119	818893	50.119	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	928595	50.417	ug/l	97
85) sec-Butylbenzene	13.17	105	1014197	49.794	ug/l	98
86) p-Isopropyltoluene	13.29	119	898831	49.326	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	470306	49.964	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	459036	50.122	ug/l	98
89) n-Butylbenzene	13.61	91	711671	49.947	ug/l	98
90) Hexachloroethane	13.87	117	143381	50.691	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	465213	51.025	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41065	53.551	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	233554	51.387	ug/l	98
94) Hexachlorobutadiene	15.01	225	137333	53.977	ug/l	98
95) Naphthalene	15.13	128	521685	51.459	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	230106	50.869	ug/l	98

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

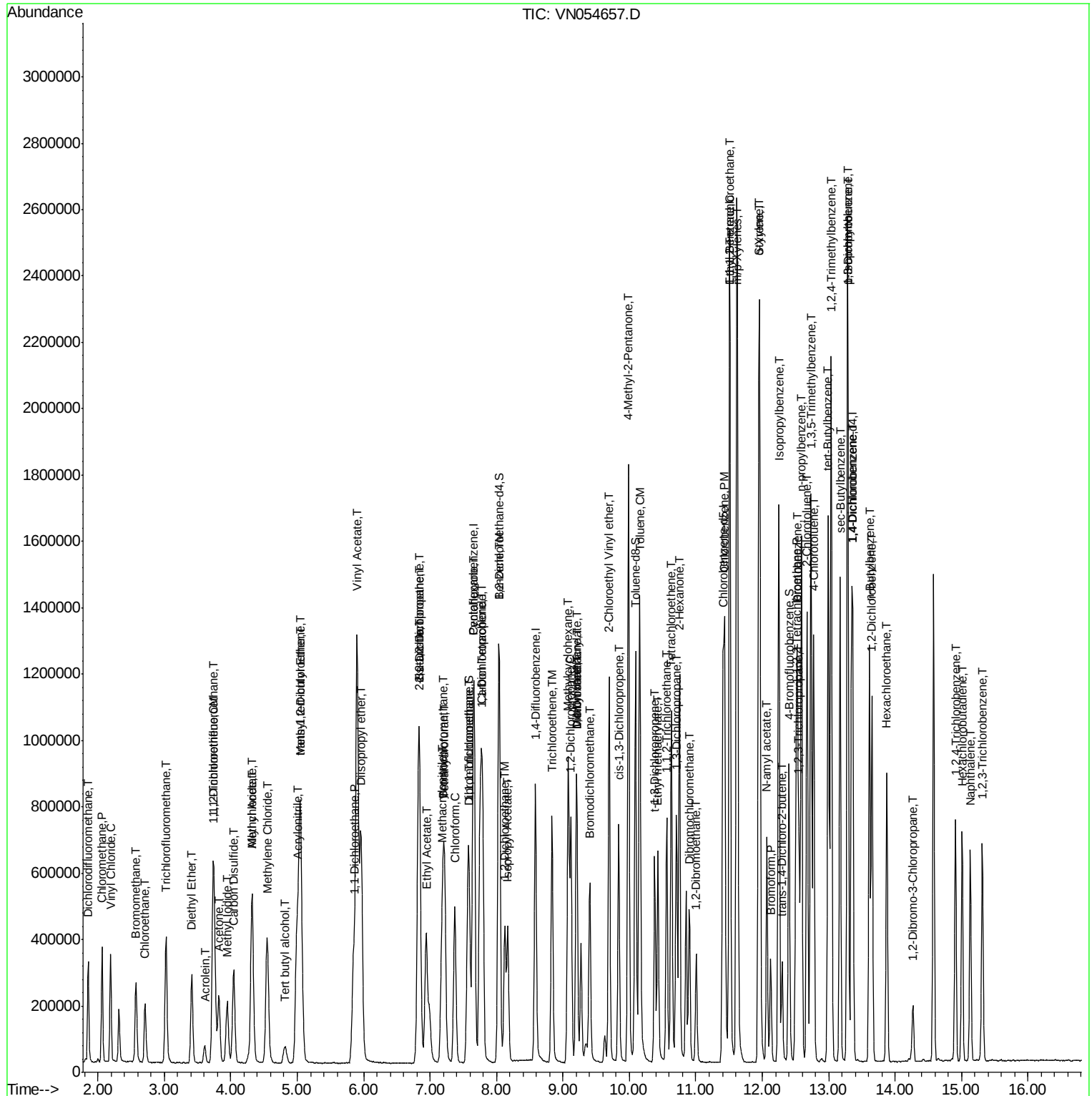
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 447370

Ion Ratio Lower Upper

168 100

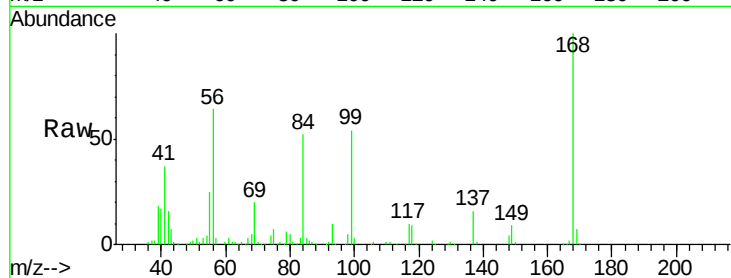
99 53.3 37.1 55.7

Manual Integrations

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3/25/2019 9:55:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

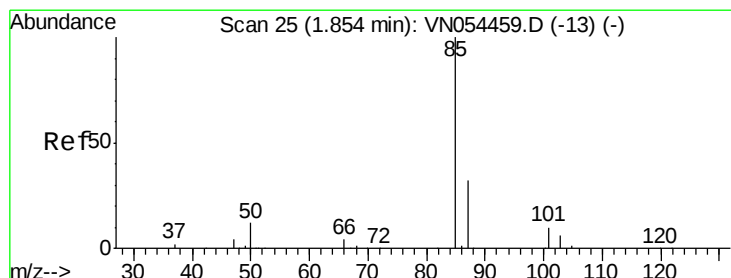
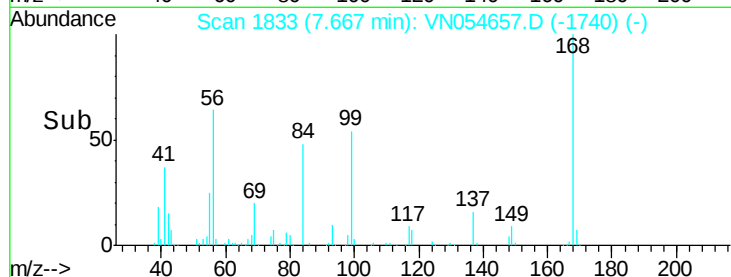
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.853 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054657.D

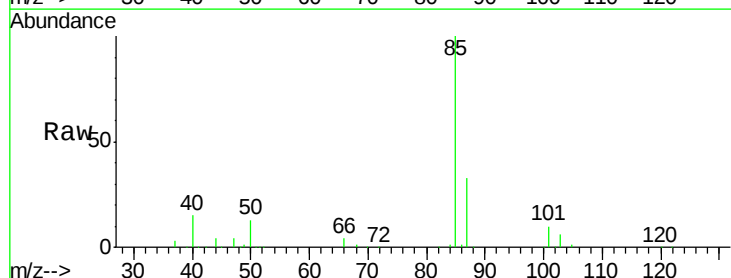
Acq: 24 Mar 2019 19:11

Tgt Ion: 85 Resp: 234590

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

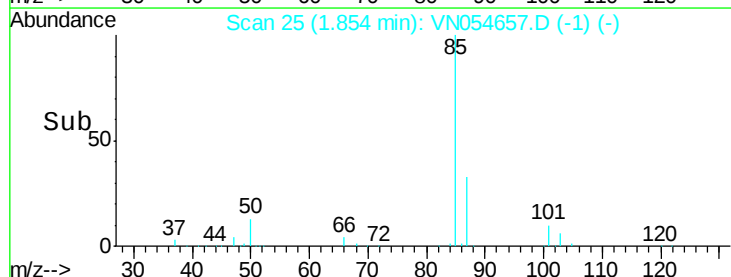
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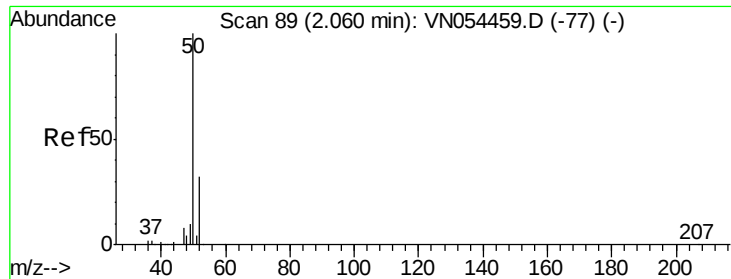
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50000

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Time-->





#3

Chloromethane

Concen: 54.646 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 317976

Ion Ratio Lower Upper

50 100

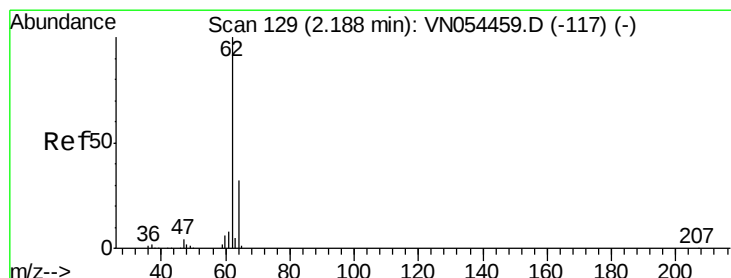
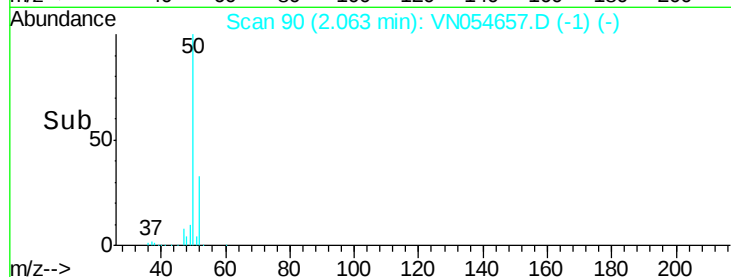
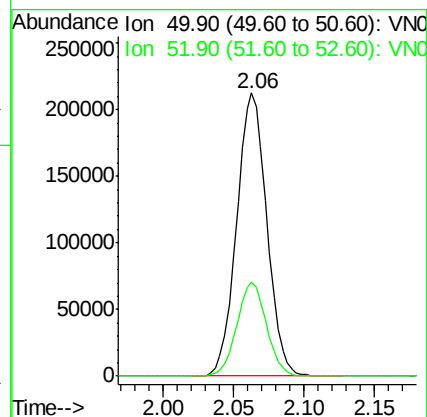
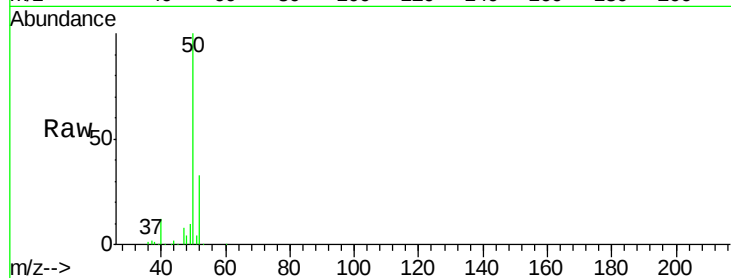
52 33.2 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.607 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054657.D

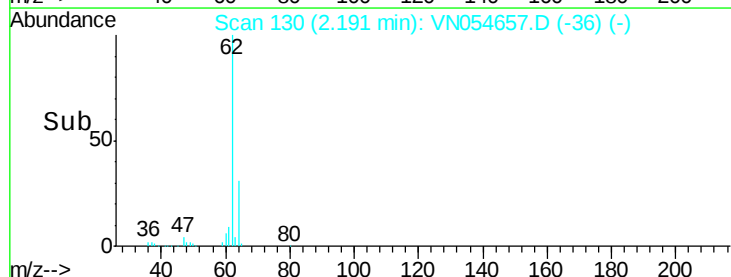
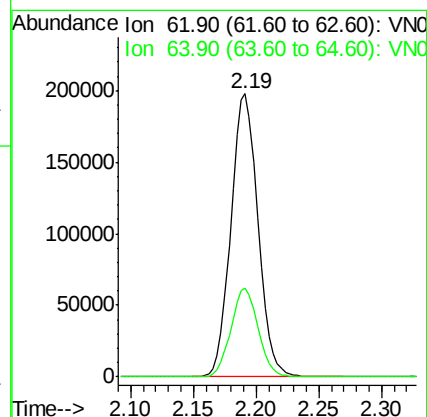
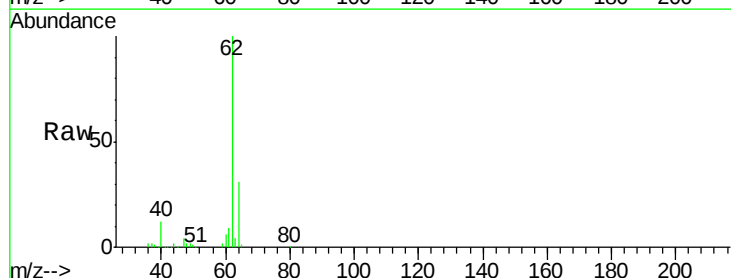
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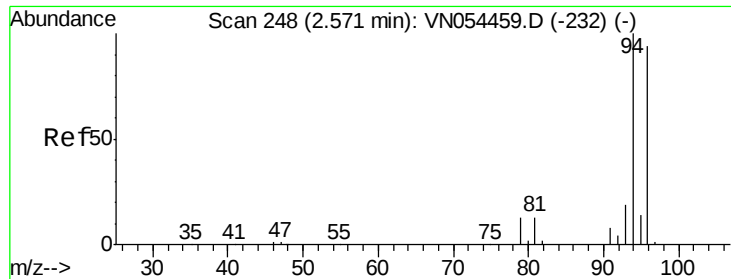
Tgt Ion: 62 Resp: 295653

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 44.843 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

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Tot Ion: 94 Resp: 169402

Ion Ratio Lower Upper

94 100

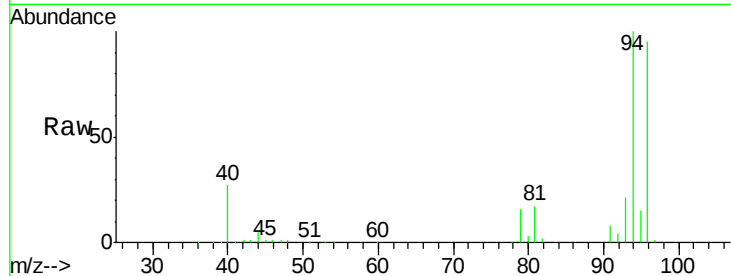
96 95.4 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

80000

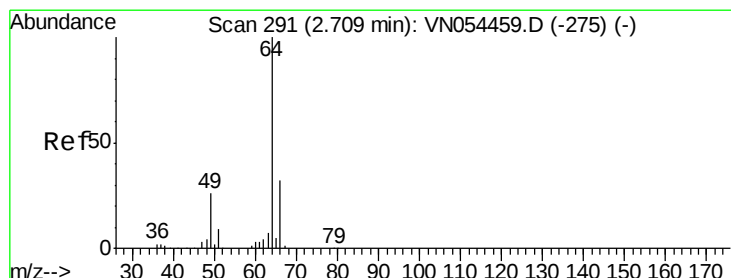
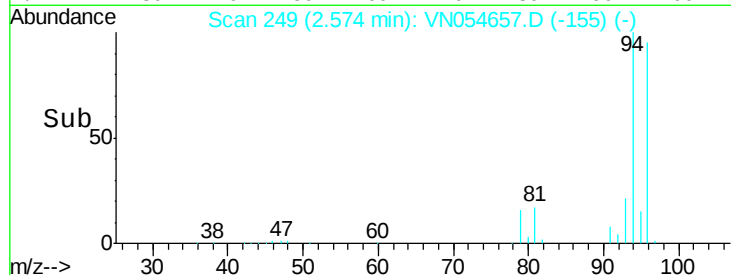
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40000

20000

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Time-->



#6

Chloroethane

Concen: 48.464 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054657.D

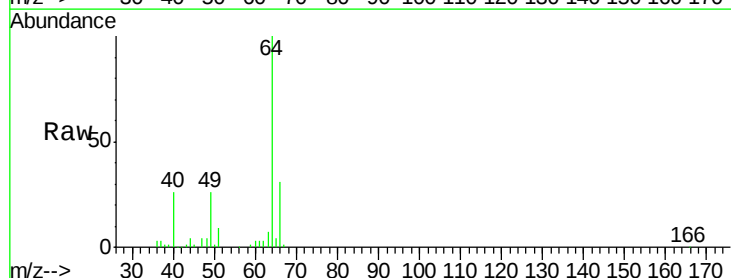
Acq: 24 Mar 2019 19:11

Tgt Ion: 64 Resp: 169823

Ion Ratio Lower Upper

64 100

66 30.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

100000

80000

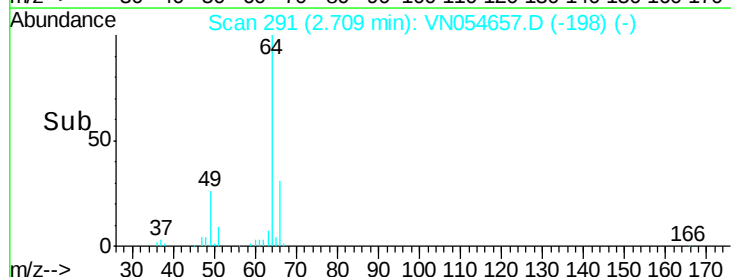
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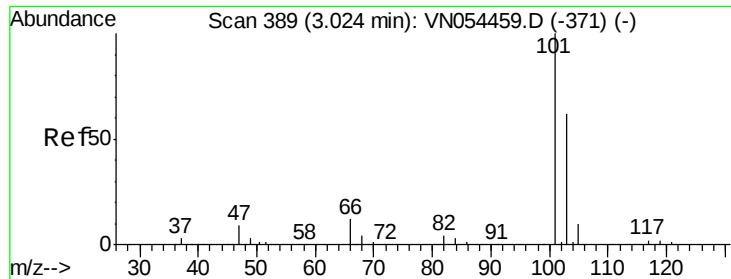
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Time-->





#7

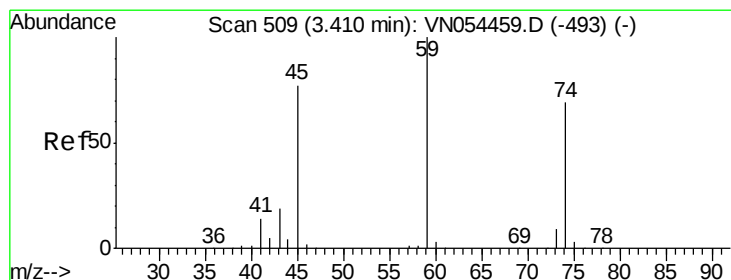
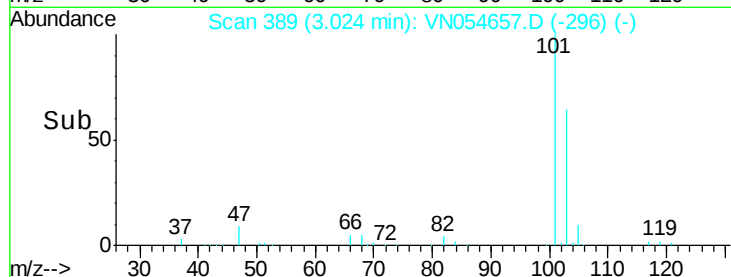
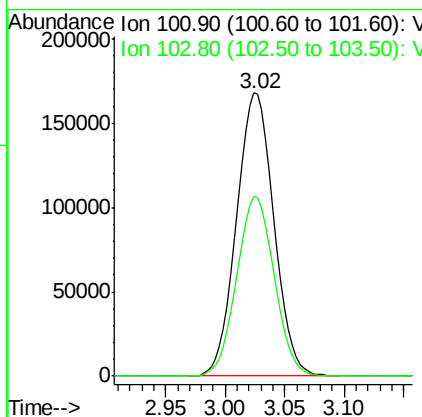
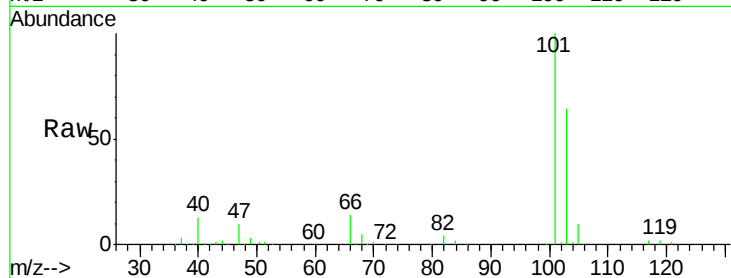
Trichlorofluoromethane
Concen: 51.531 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.2

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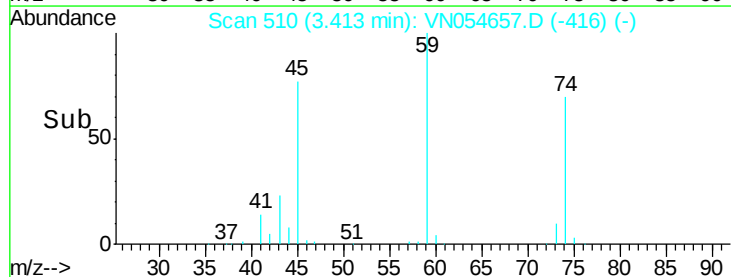
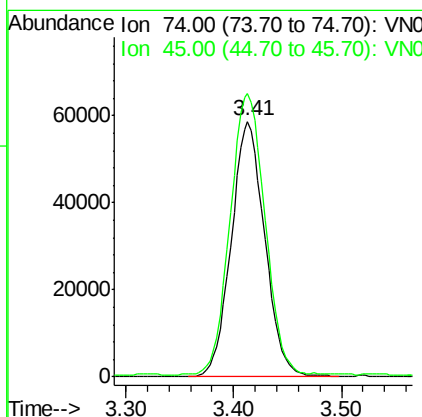
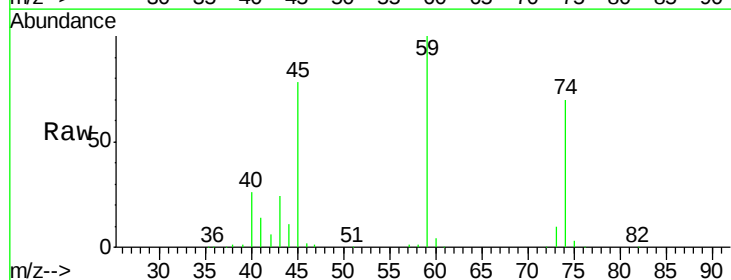
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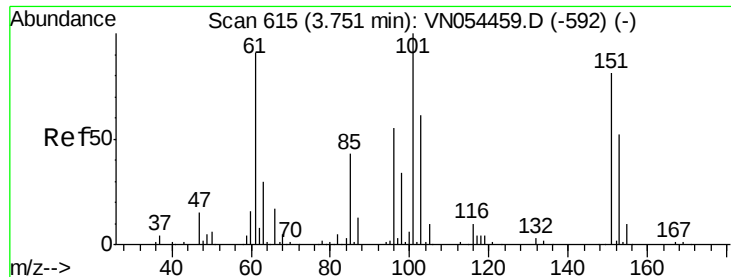


#8

Diethyl Ether
Concen: 46.504 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.1	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.309 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

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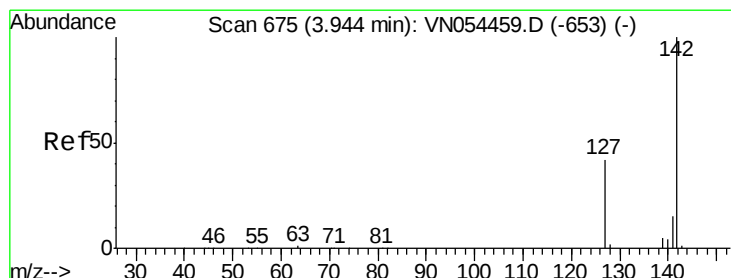
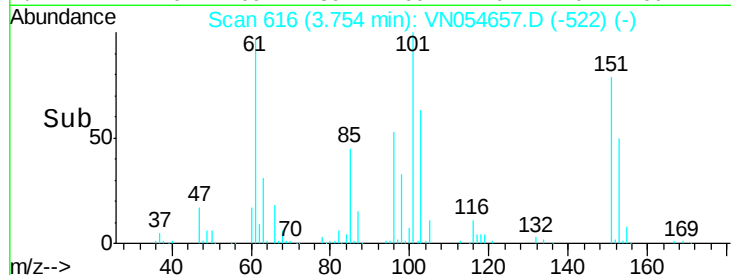
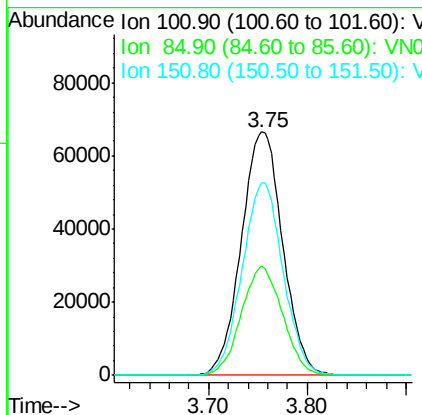
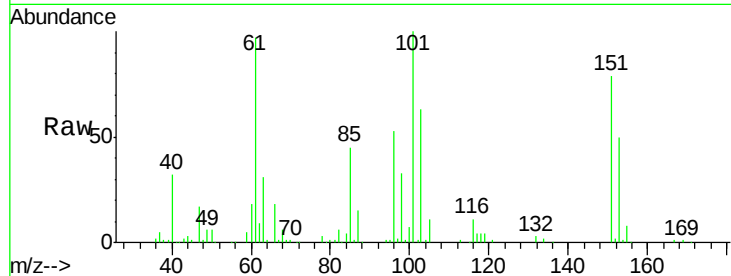
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	193092
Ion Ratio	Lower	Upper	
101	100		
85	44.6	32.4	48.6
151	78.4	68.2	102.2

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#10

Methyl Iodide

Concen: 47.181 ug/l

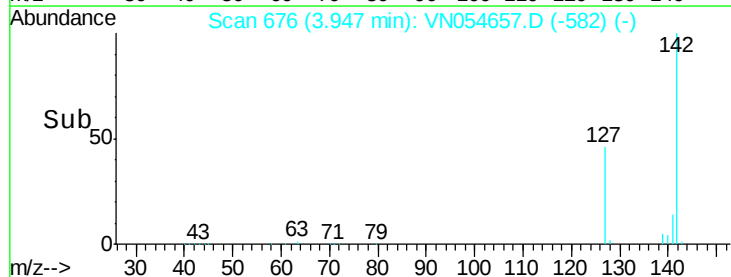
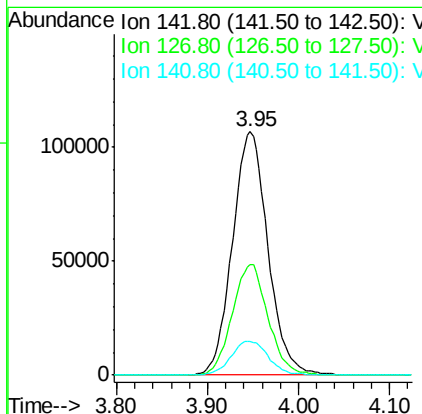
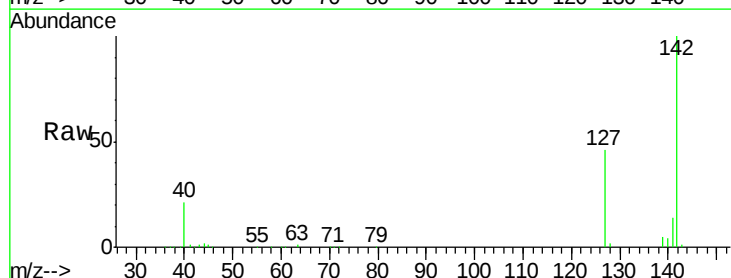
RT: 3.95 min Scan# 676

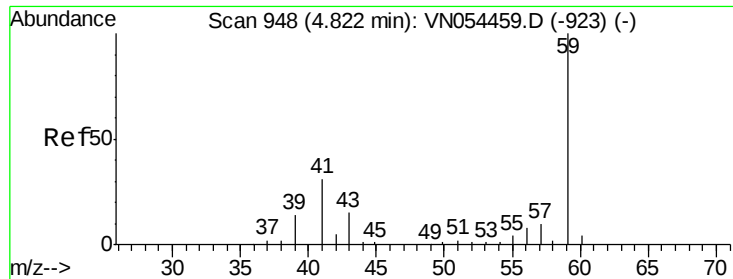
Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion:	142	Resp:	289389
Ion Ratio	Lower	Upper	
142	100		
127	45.8	30.3	45.5#
141	14.5	11.2	16.8





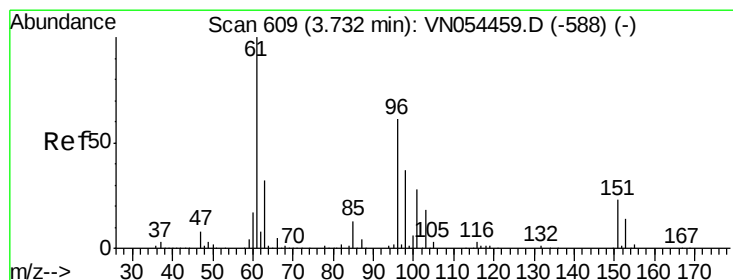
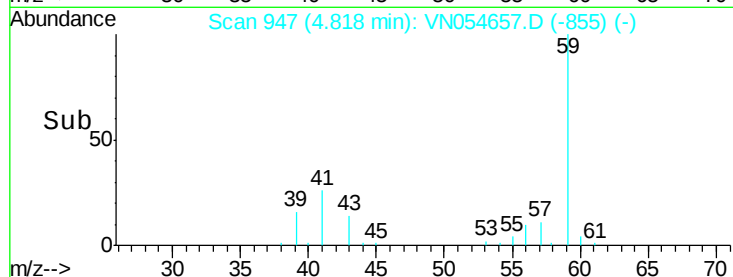
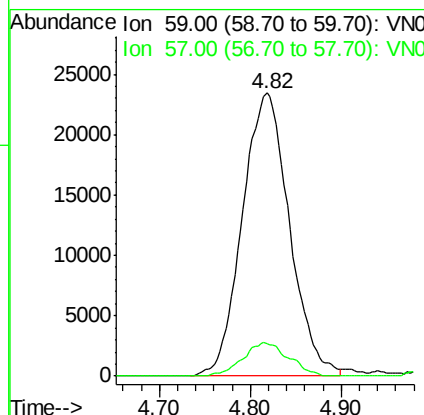
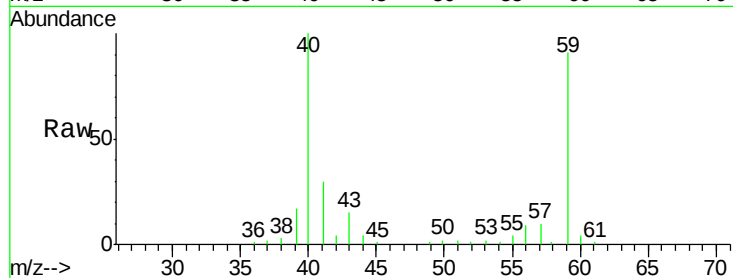
#11
Tert butyl alcohol
Concen: 250.532 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 84402
Ion Ratio Lower Upper
59 100
57 11.5 9.0 13.6

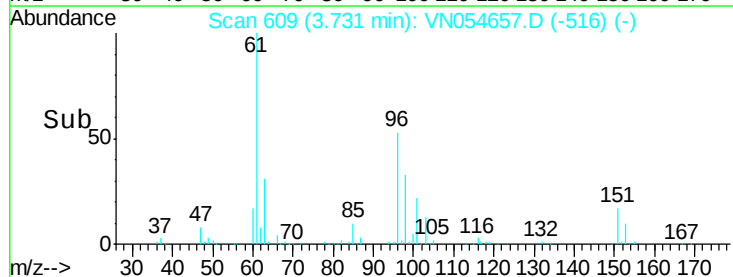
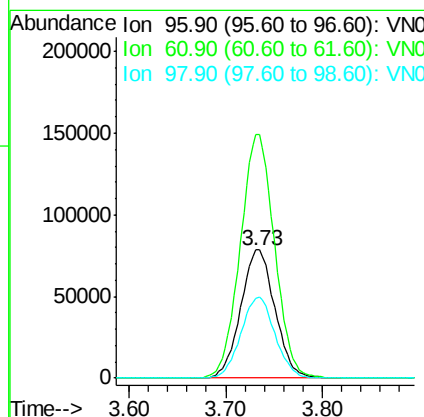
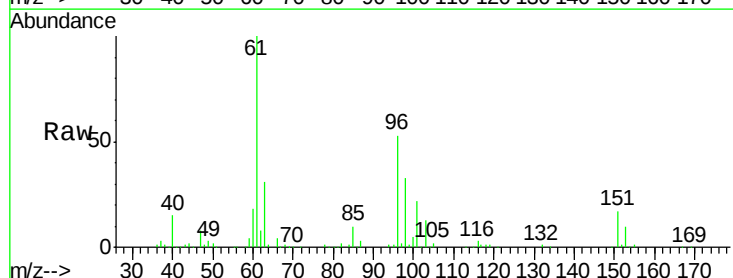
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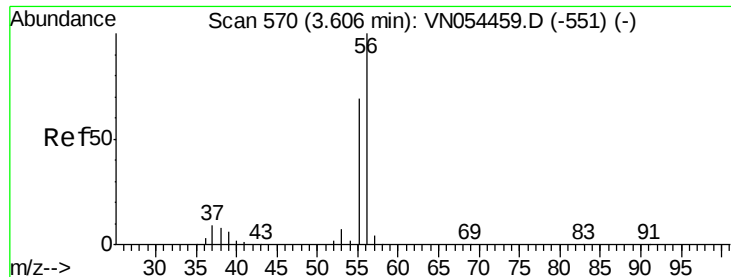
MMDadoda
3/25/2019 9:55:20 AM



#12
1,1-Dichloroethene
Concen: 44.770 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 96 Resp: 193184
Ion Ratio Lower Upper
96 100
61 190.2 116.5 174.7#
98 62.4 51.0 76.4





#13

Acrolein

Concen: 120.721 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 56125

Ion Ratio Lower Upper

56 100

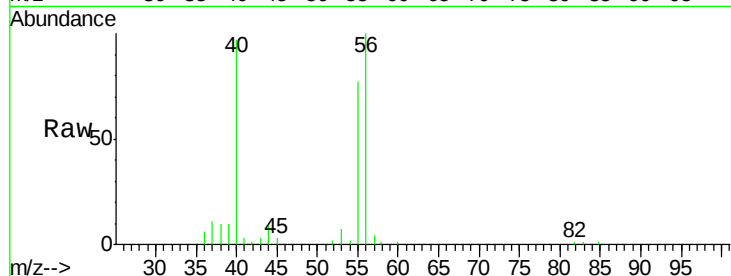
55 77.5 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

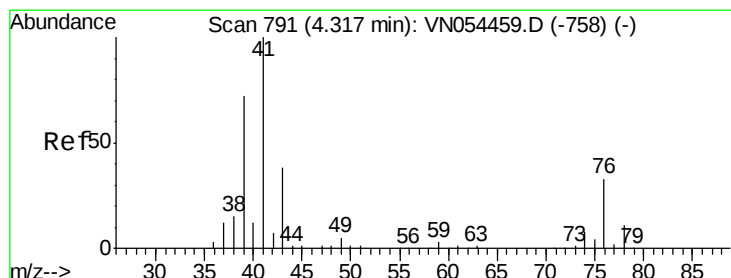
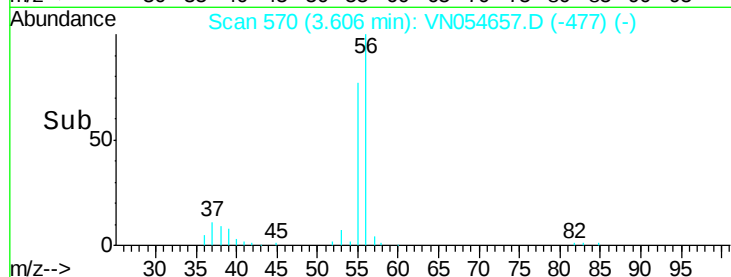
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 55.624 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

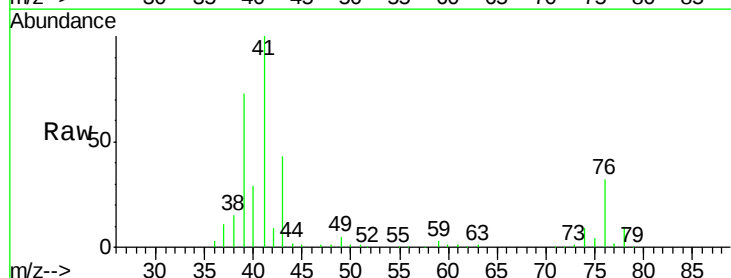
Tgt Ion: 41 Resp: 451974

Ion Ratio Lower Upper

41 100

39 68.7 58.2 87.4

76 29.3 31.7 47.5#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

200000

150000

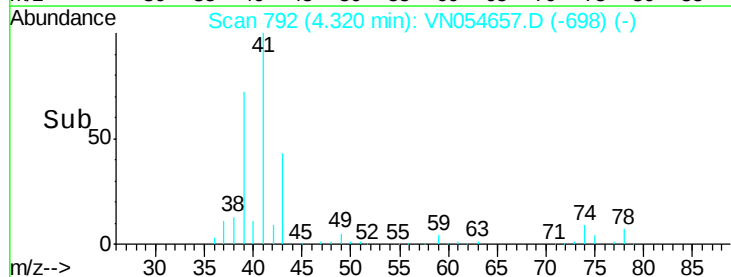
100000

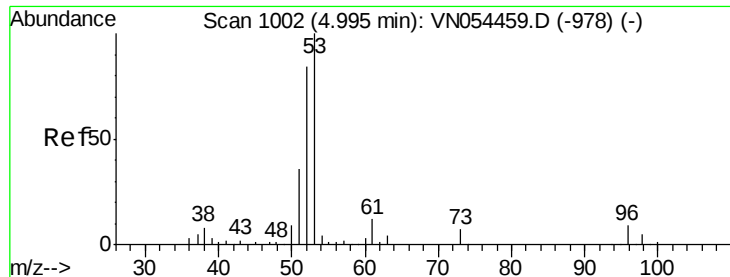
50000

0

4.10 4.20 4.30 4.40 4.50

Time-->





#15

Acrylonitrile

Concen: 288.148 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

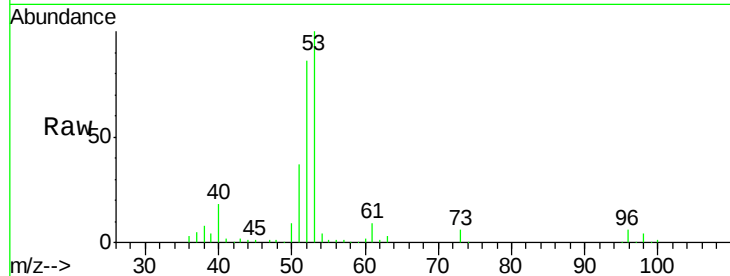
ClientSampleId :

VSTDCCC050EC

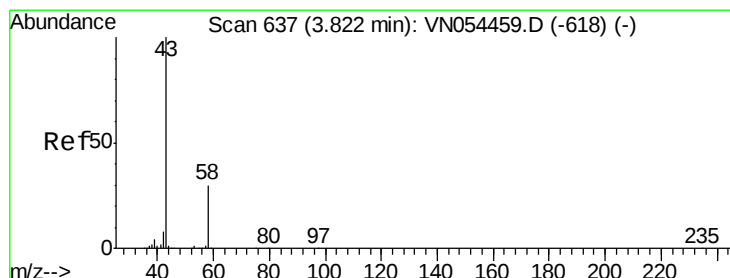
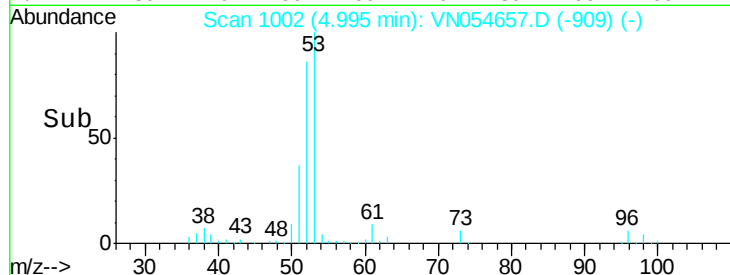
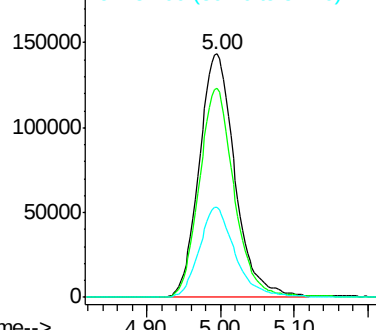
Tot Ion:	53	Resp:	483423
Ion Ratio	Lower	Upper	
53	100		
52	83.8	66.4	99.6
51	36.9	29.6	44.4

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Abundance Ion 53.00 (52.70 to 53.70): VN054459.D (-978) (-)



#16

Acetone

Concen: 203.911 ug/l

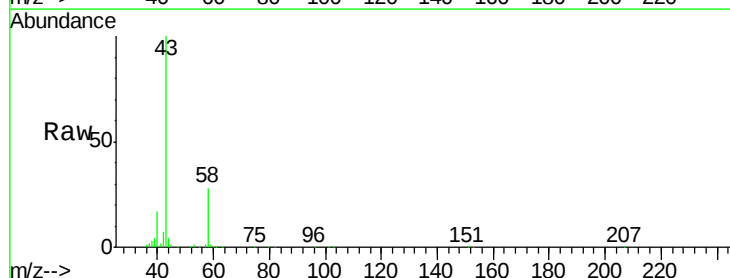
RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

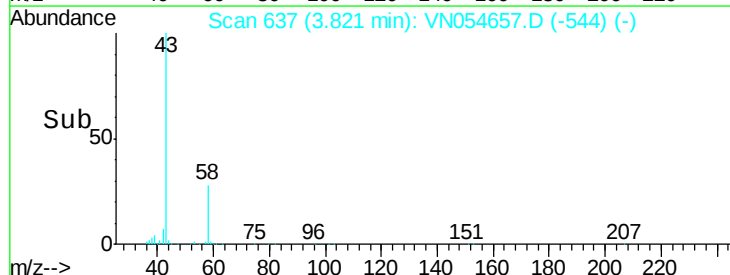
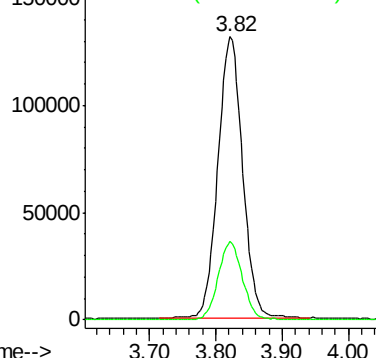
Lab File: VN054657.D

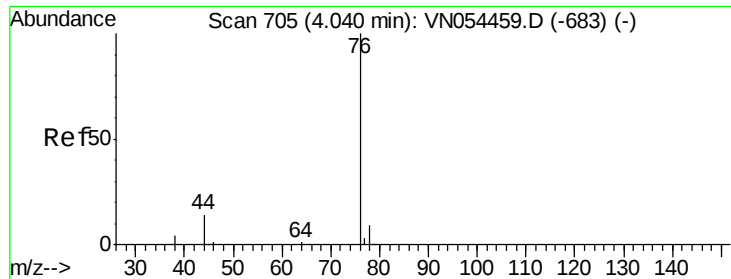
Acq: 24 Mar 2019 19:11

Tgt Ion:	43	Resp:	341142
Ion Ratio	Lower	Upper	
43	100		
58	27.7	29.9	44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-618) (-)





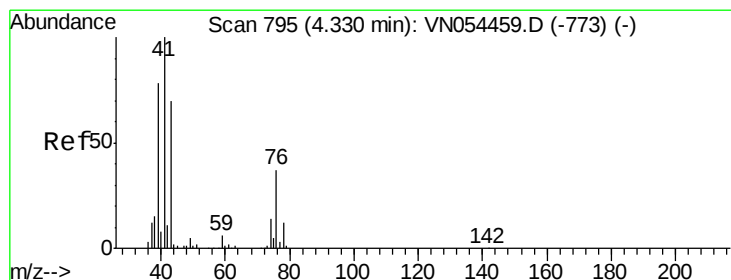
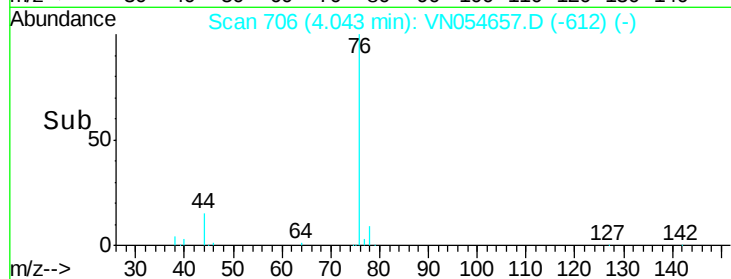
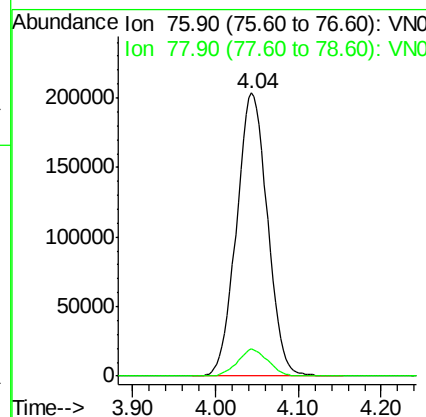
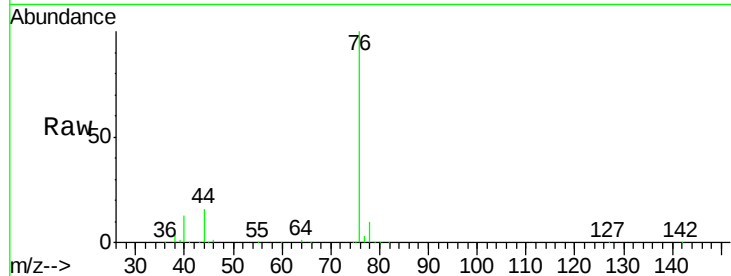
#17
Carbon Disulfide
Concen: 45.711 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.5	11.3

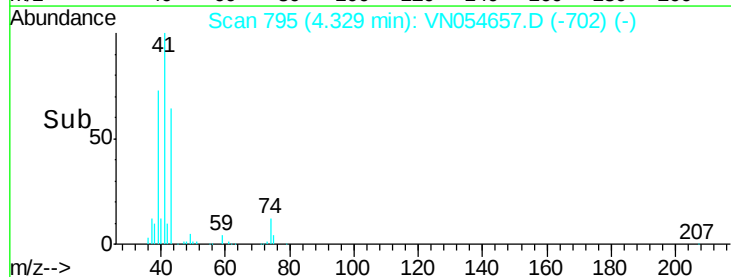
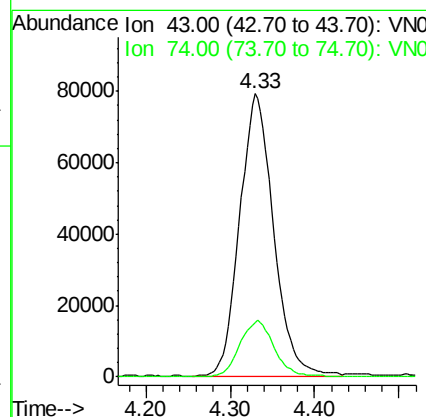
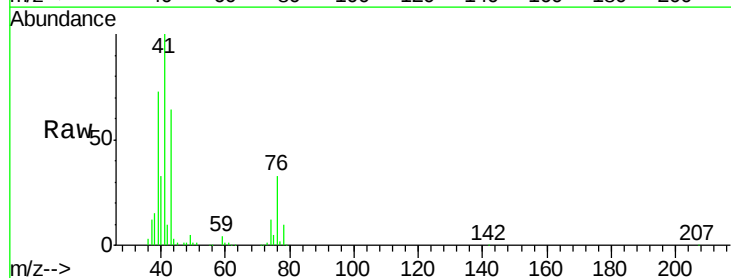
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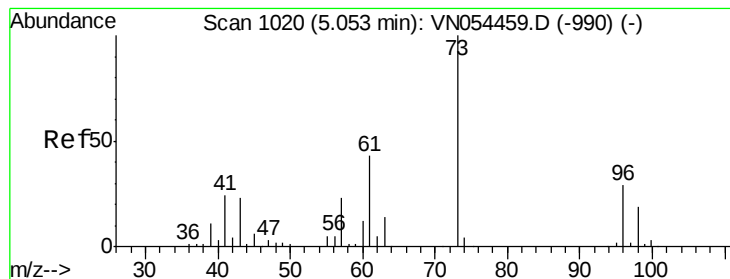
MMDadoda
3/25/2019 9:55:20 AM



#18
Methyl Acetate
Concen: 59.233 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	20.8	31.2#





#19

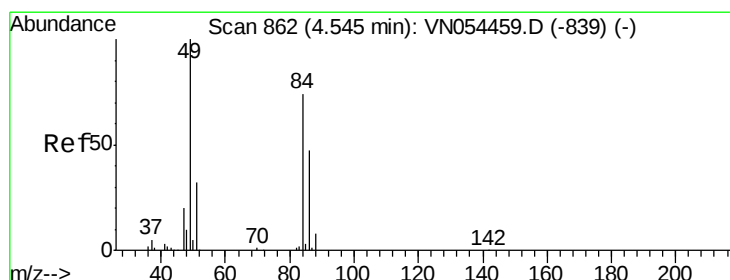
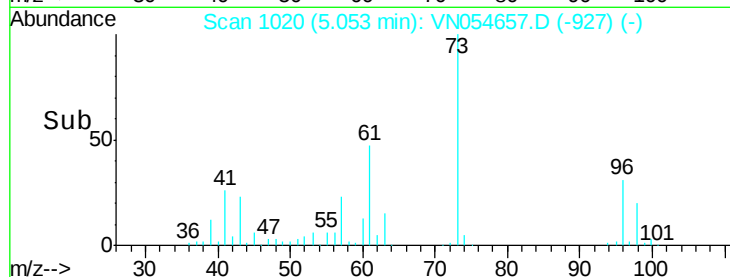
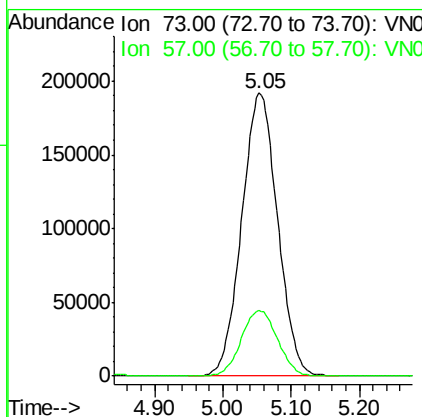
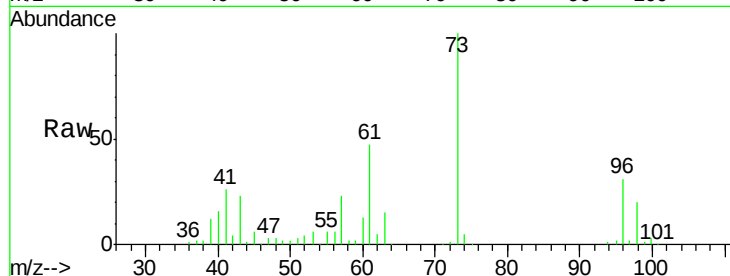
Methyl tert-butyl Ether
 Concen: 55.562 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	16.8	25.2

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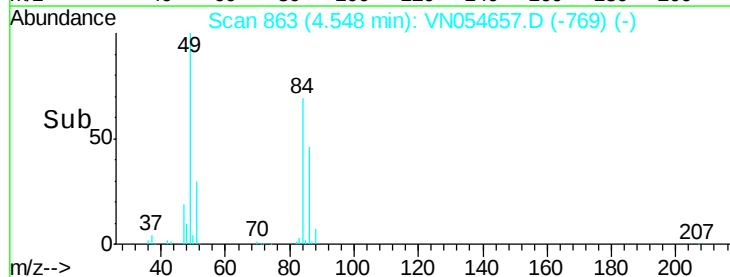
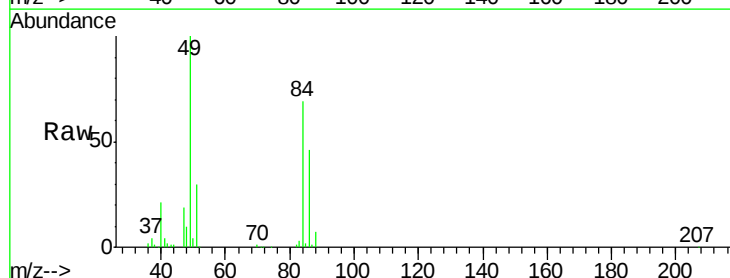
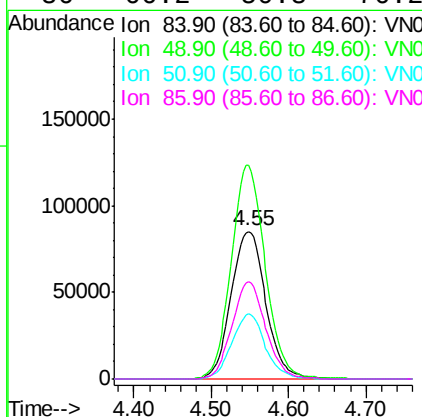
MMDadoda
 3/25/2019 9:55:20 AM

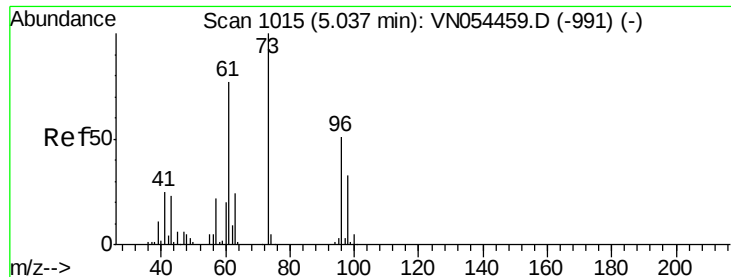


#20

Methylene Chloride
 Concen: 53.763 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.9	89.7	134.5#
51	44.1	28.2	42.4#
86	66.2	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 54.487 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 240080

Ion Ratio Lower Upper

96 100

61 150.9 102.8 154.2

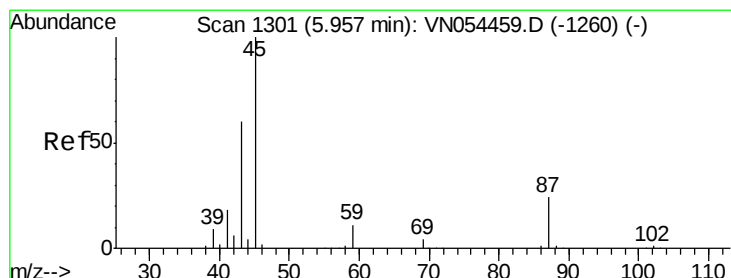
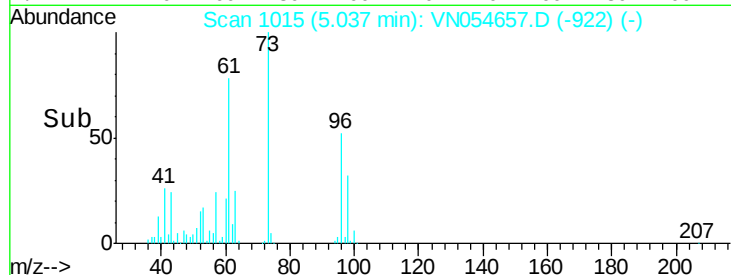
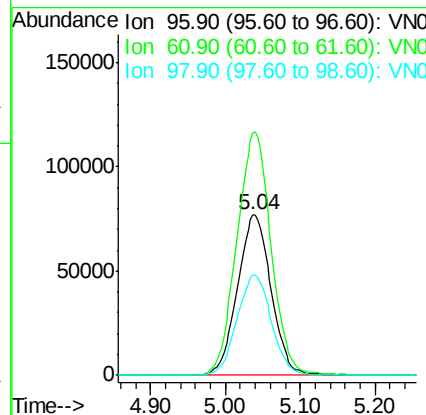
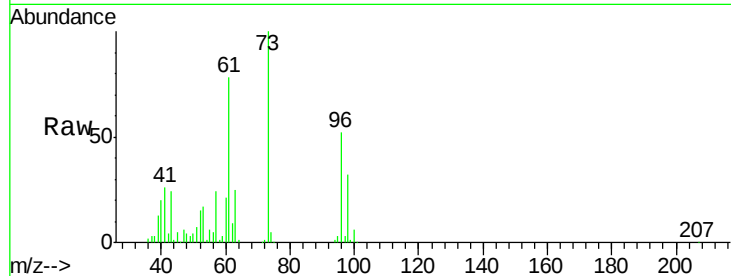
98 62.1 50.0 75.0

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#22

Diisopropyl ether

Concen: 59.988 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion: 45 Resp: 961447

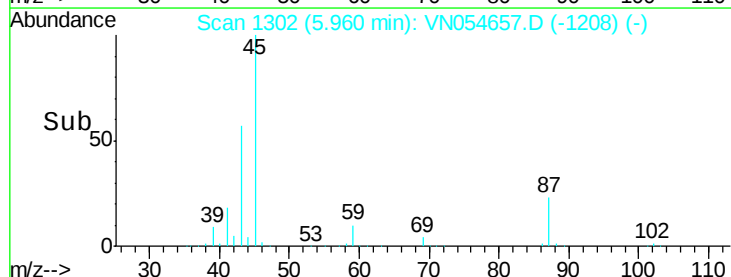
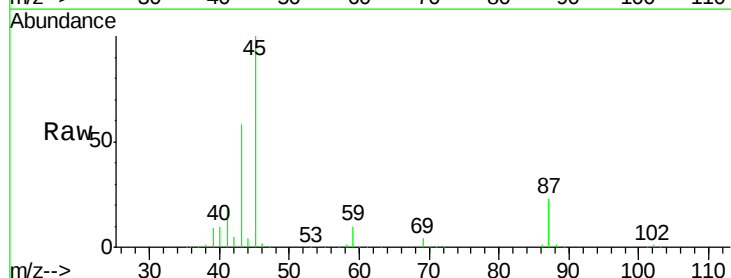
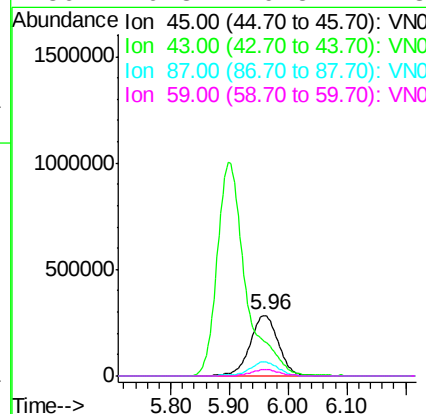
Ion Ratio Lower Upper

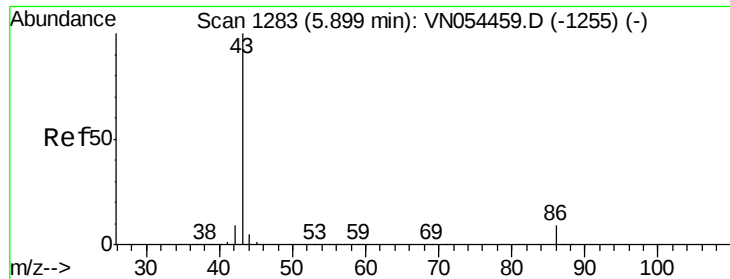
45 100

43 56.6 48.2 72.2

87 23.4 24.9 37.3#

59 10.3 9.5 14.3





#23

Vinyl Acetate

Concen: 299.225 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3387117

Ion Ratio Lower Upper

43 100

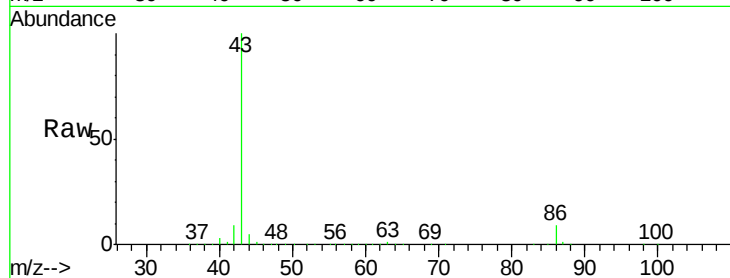
86 8.6 9.1 13.7#

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

400000

200000

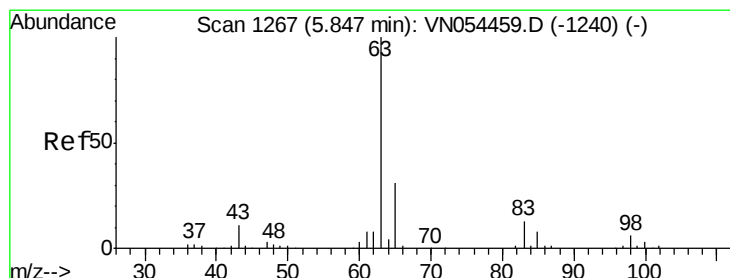
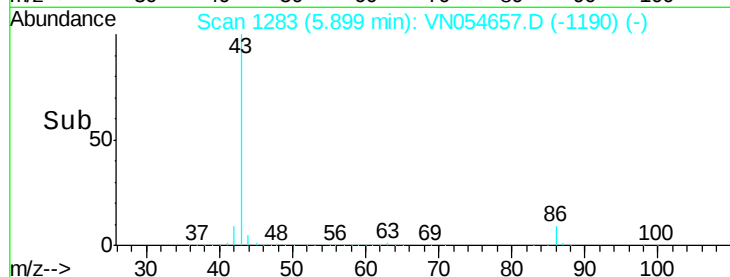
0

5.80

5.90

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 57.898 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

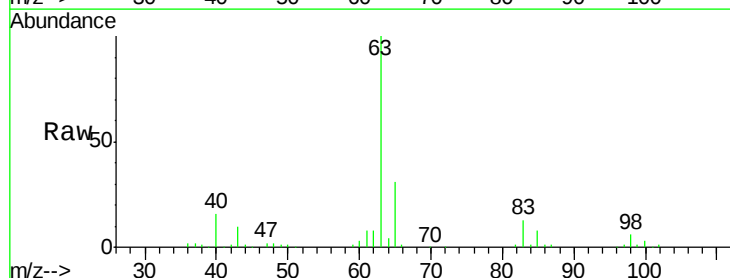
Tgt Ion: 63 Resp: 499642

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

100000

50000

0

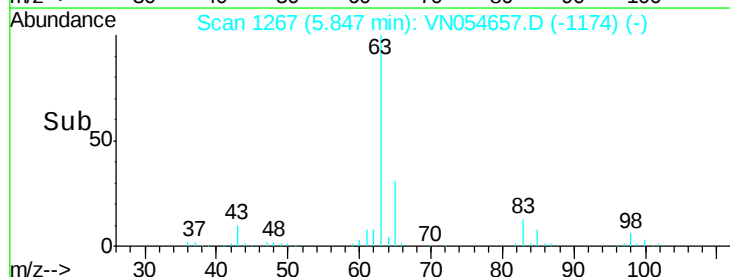
5.70

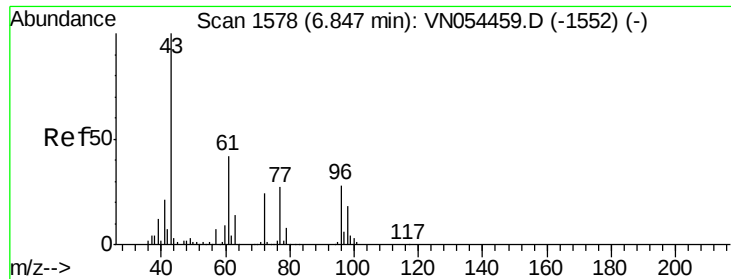
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 279.130 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 598203

Ion Ratio Lower Upper

43 100

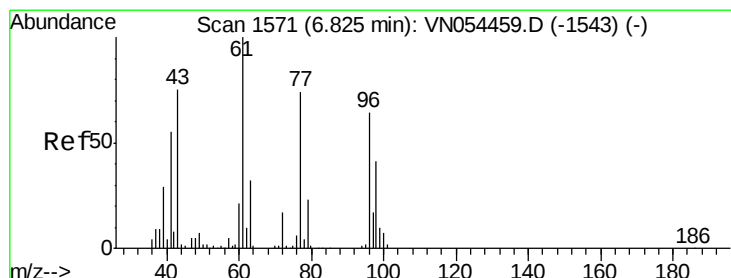
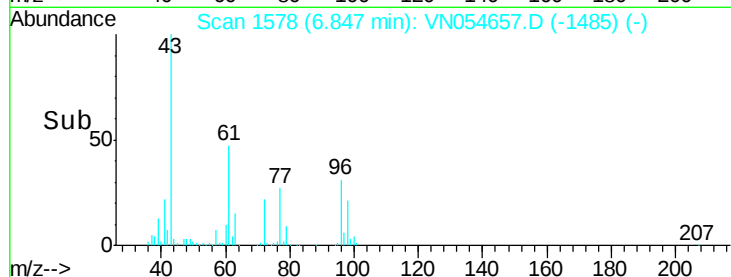
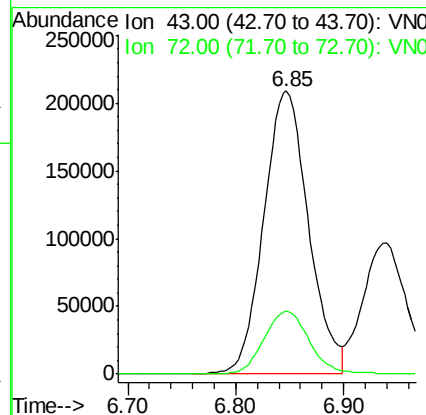
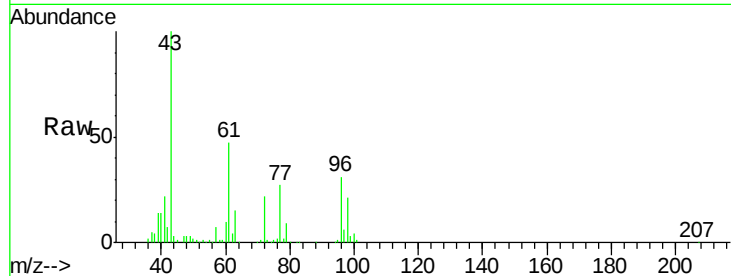
72 22.3 23.0 34.6#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.766 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054657.D

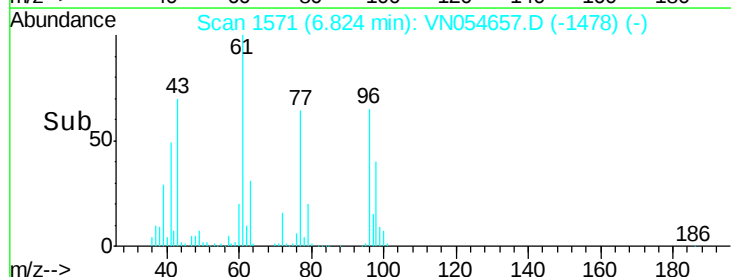
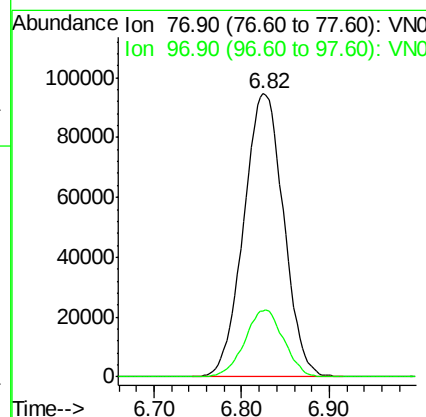
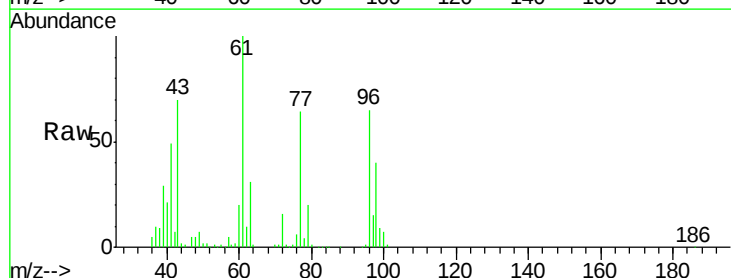
Acq: 24 Mar 2019 19:11

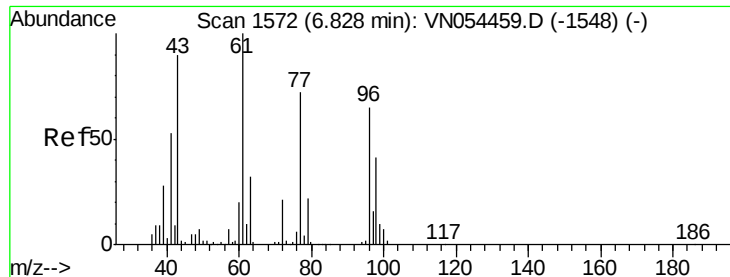
Tgt Ion: 77 Resp: 299991

Ion Ratio Lower Upper

77 100

97 22.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 54.539 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

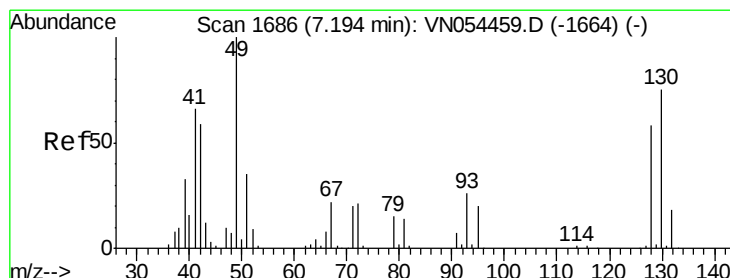
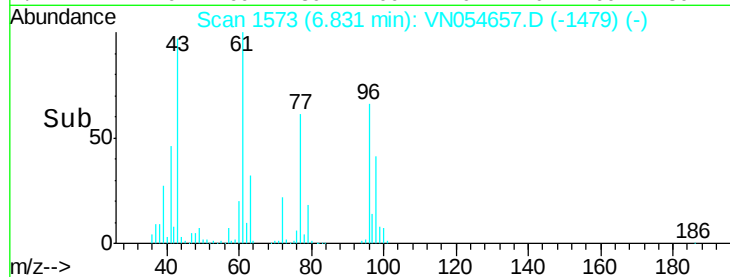
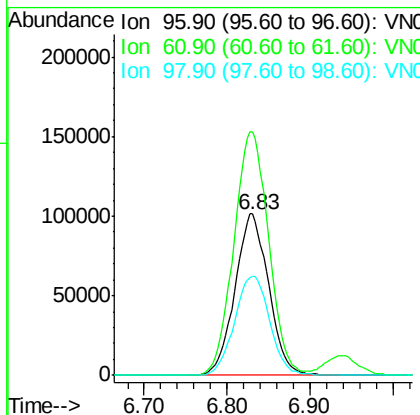
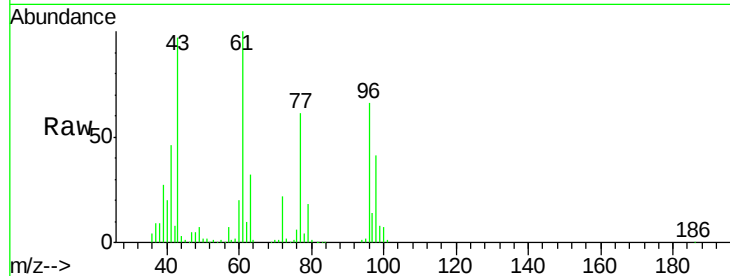
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	286632
Ion Ratio	Lower	Upper	
96	100		
61	155.8	0.0	273.0
98	64.1	0.0	130.6

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#28

Bromochloromethane

Concen: 55.851 ug/l

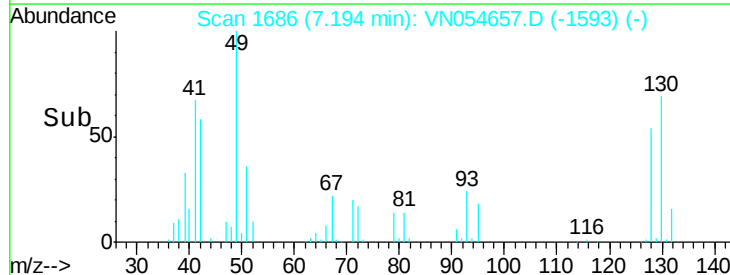
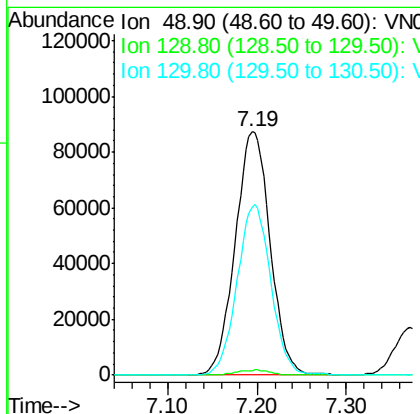
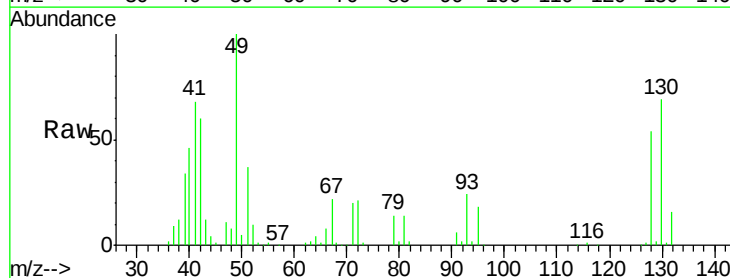
RT: 7.19 min Scan# 1686

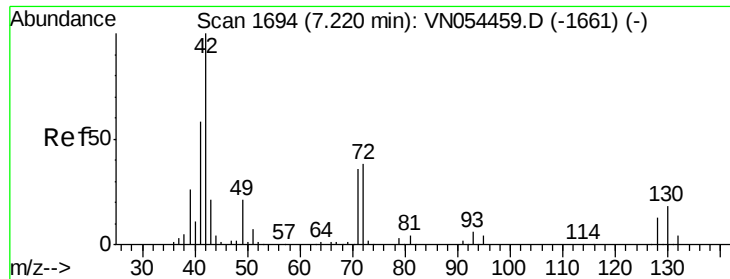
Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion:	49	Resp:	237239
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	4.6
130	67.6	76.7	115.1#





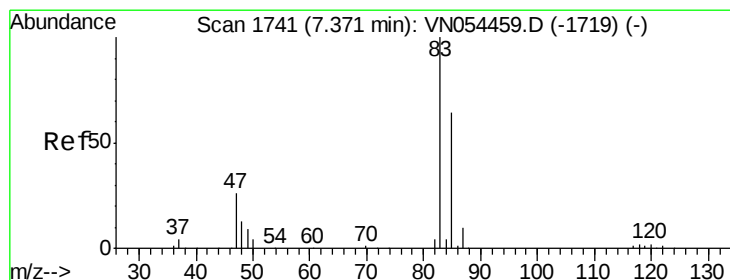
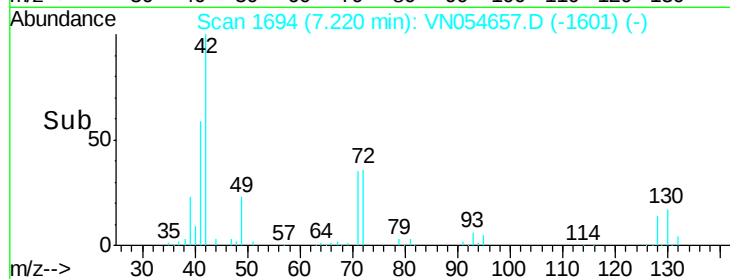
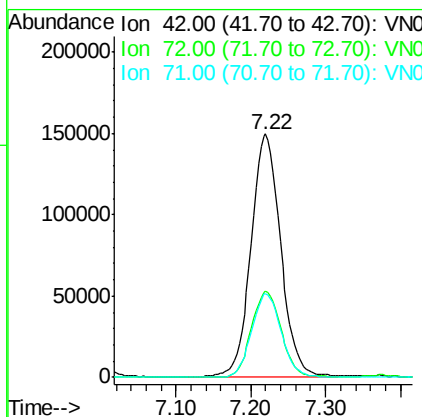
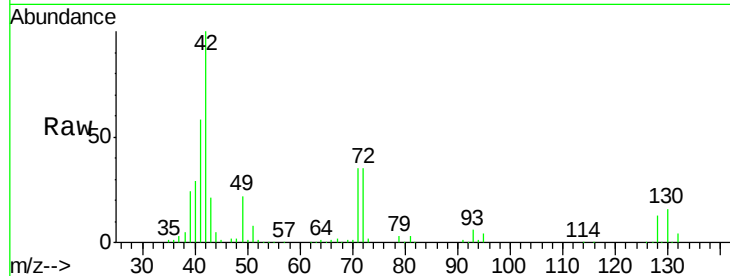
#29
Tetrahydrofuran
Concen: 297.227 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	37.8	56.6#
71	34.4	36.2	54.2#

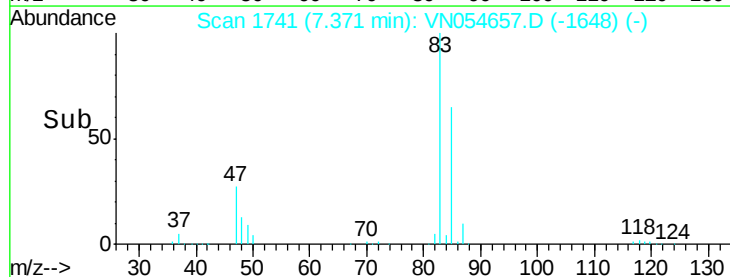
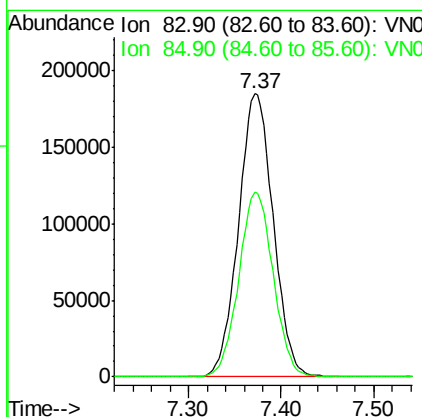
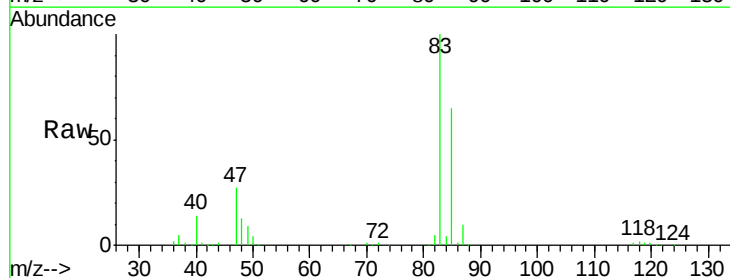
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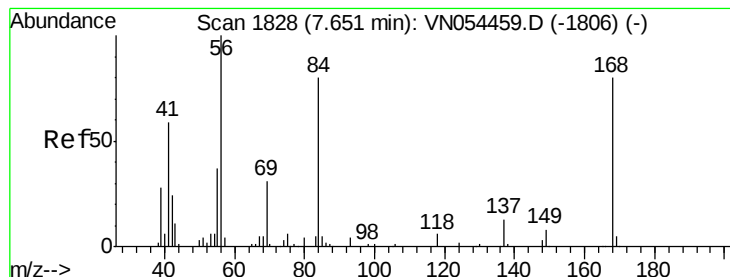
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#30
Chloroform
Concen: 57.110 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





#31

Cyclohexane

Concen: 56.806 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 467638

Ion Ratio Lower Upper

56 100

69 30.0 27.8 41.6

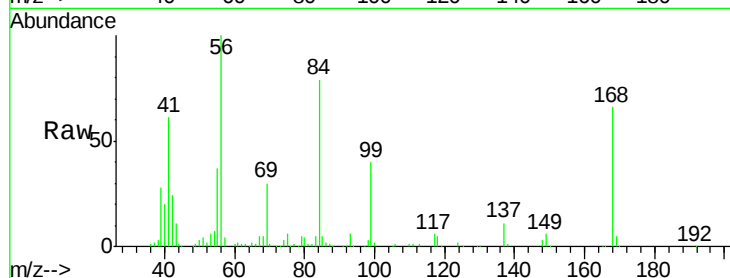
84 78.2 74.6 111.8

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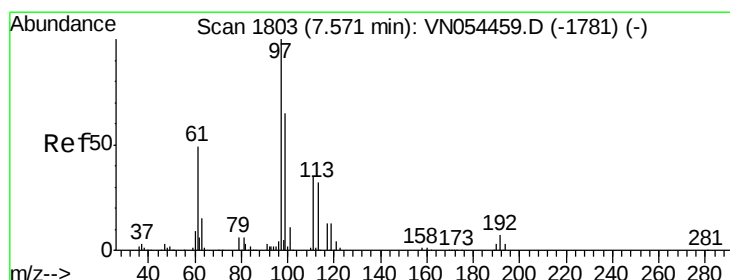
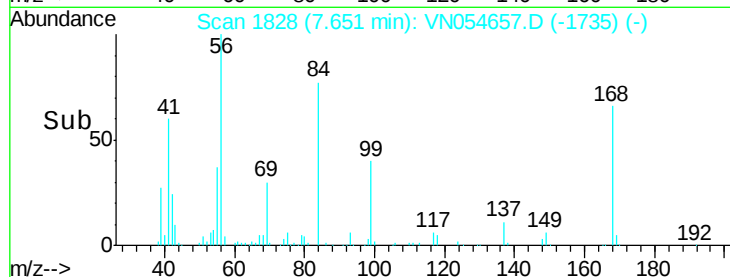
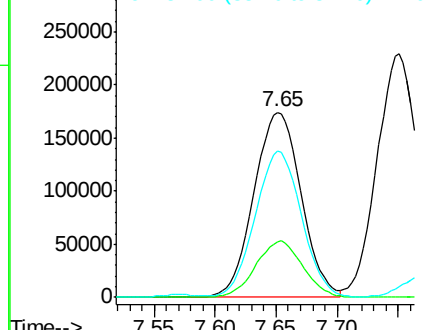


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 56.293 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

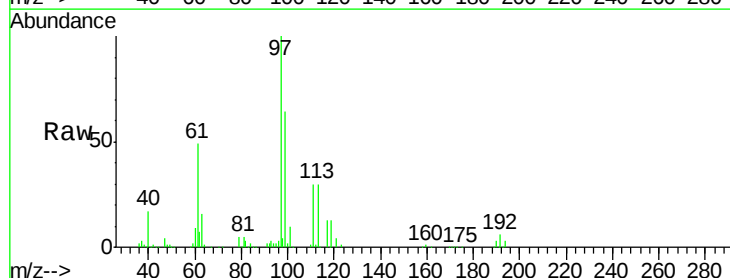
Tgt Ion: 97 Resp: 391126

Ion Ratio Lower Upper

97 100

99 64.0 51.5 77.3

61 49.3 33.6 50.4

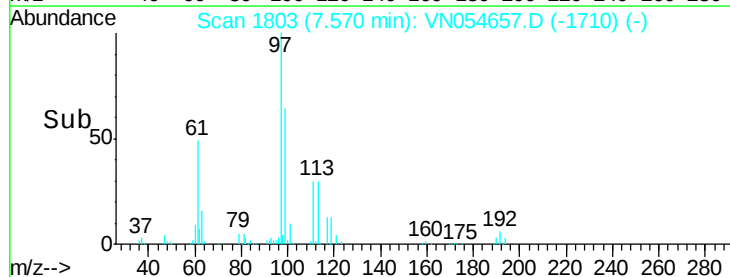
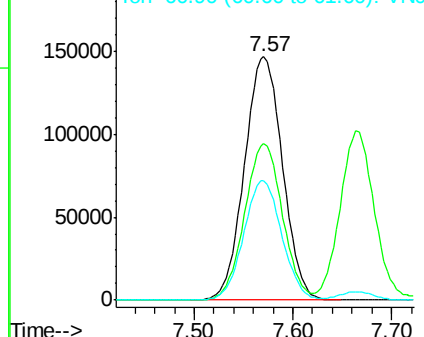


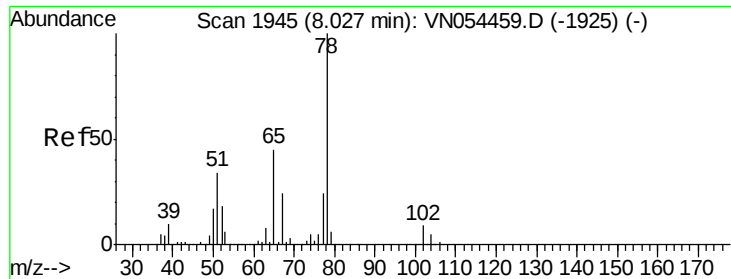
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 54.563 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 303622

Ion Ratio Lower Upper

65 100

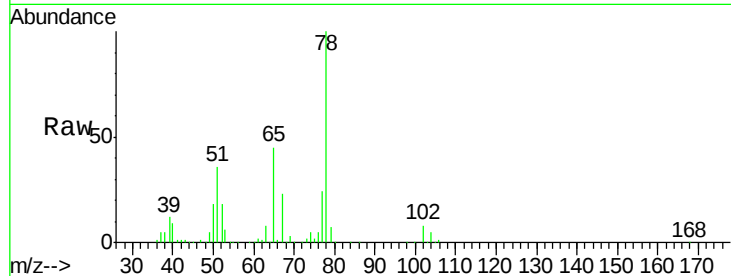
67 52.0 0.0 104.6

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Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.03

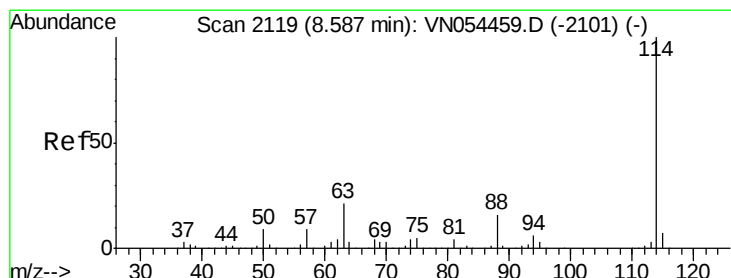
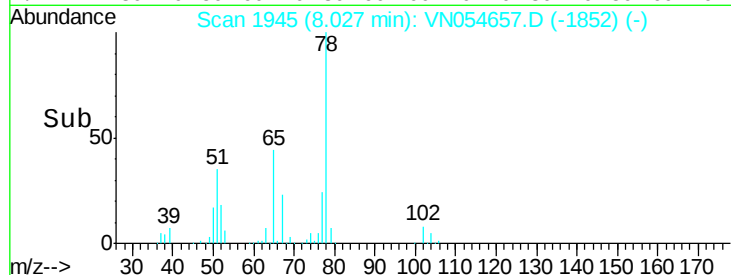
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

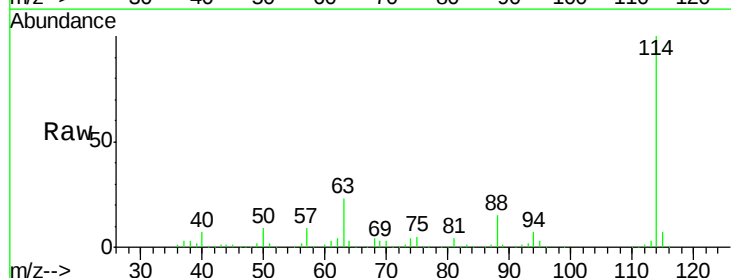
Tgt Ion: 114 Resp: 754420

Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.59

400000

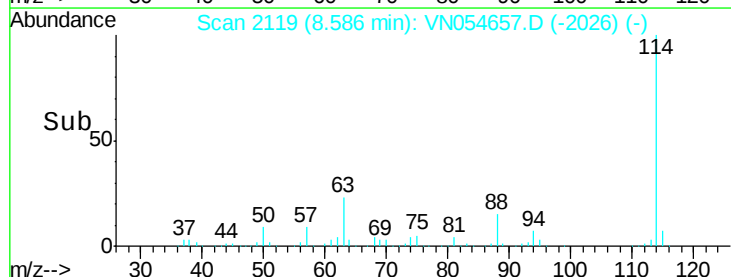
300000

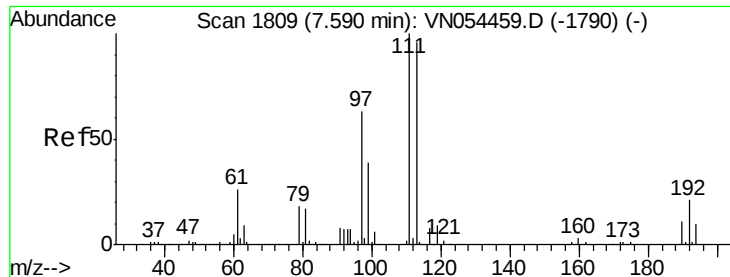
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.108 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

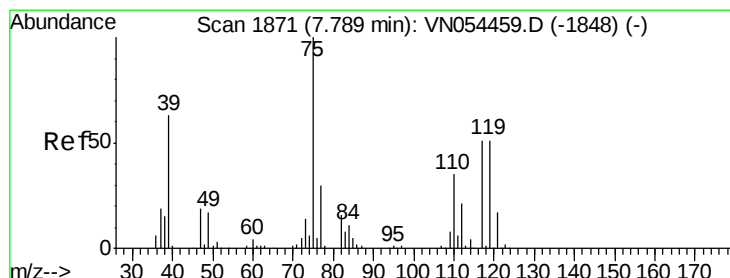
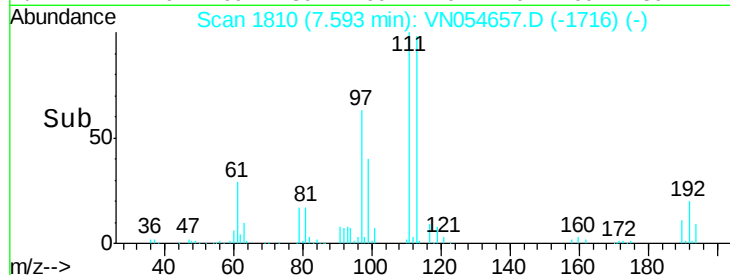
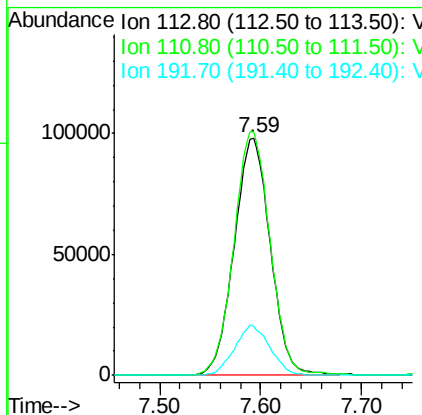
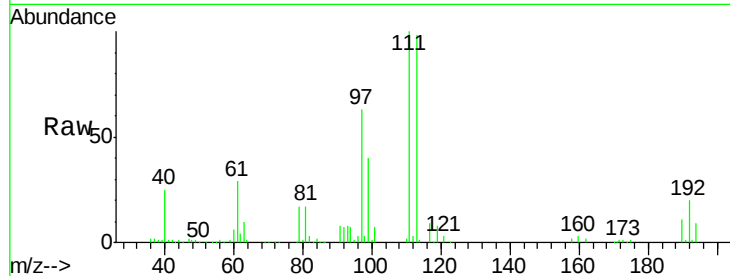
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	243543
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.2	123.4
192	20.8	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 50.246 ug/l

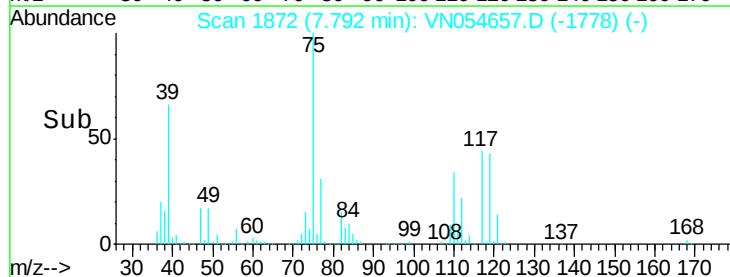
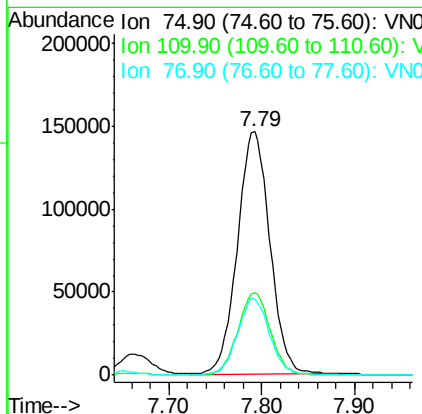
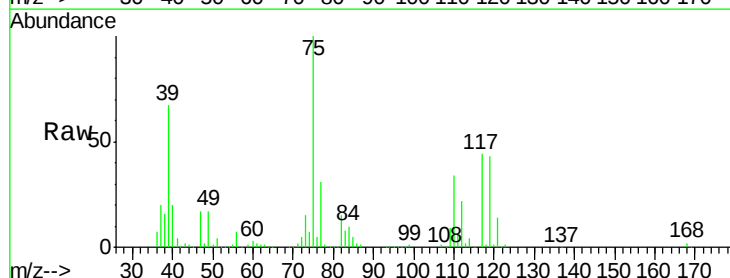
RT: 7.79 min Scan# 1872

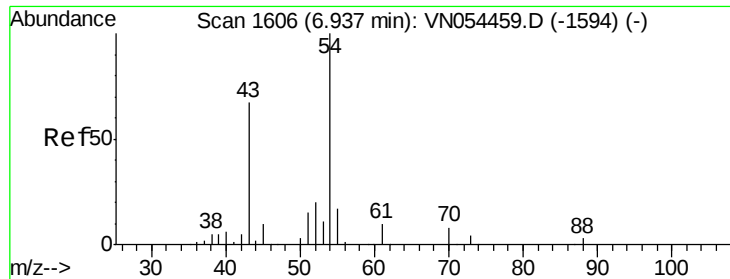
Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion:	75	Resp:	354431
Ion Ratio	Lower	Upper	
75	100		
110	34.2	19.1	57.5
77	31.6	25.0	37.4





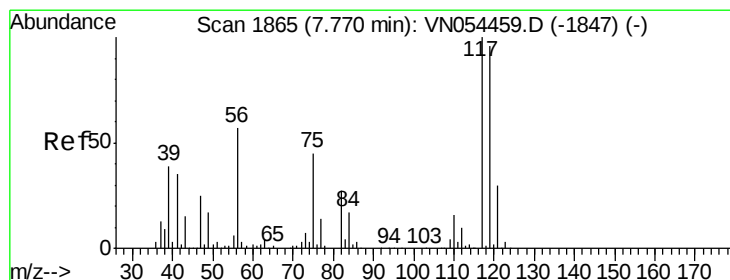
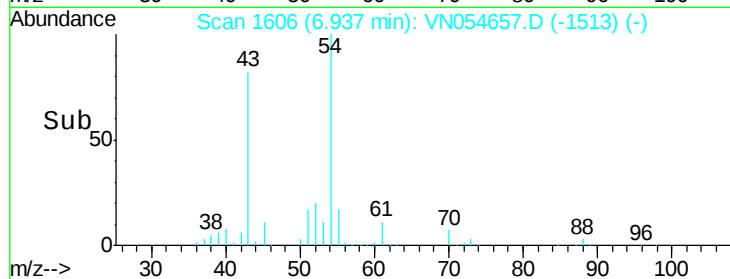
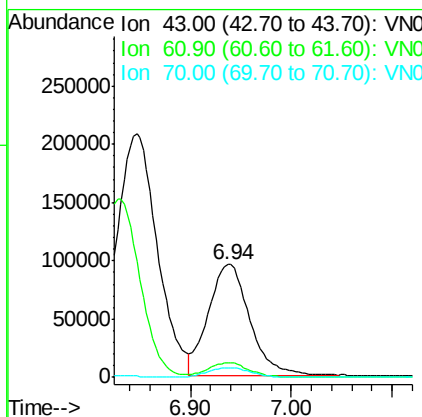
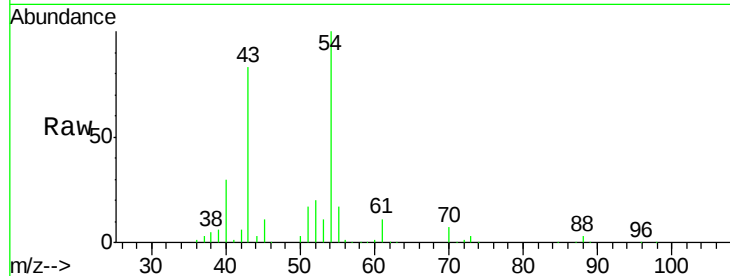
#37
Ethyl Acetate
Concen: 54.548 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	9.2	8.4	12.6

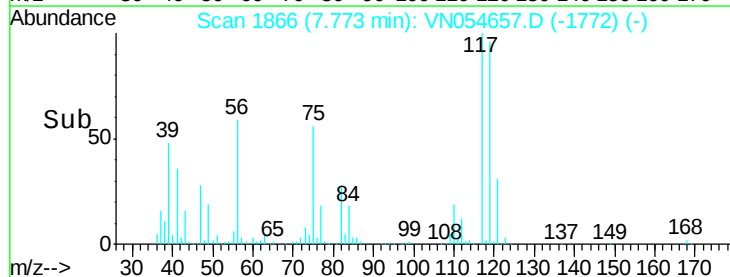
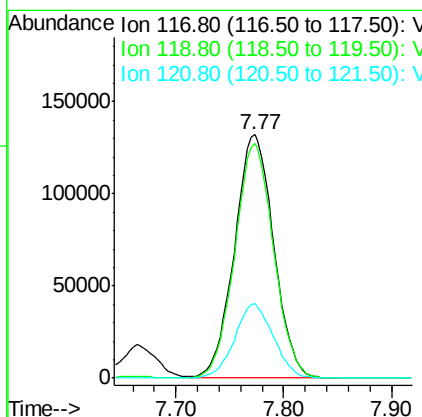
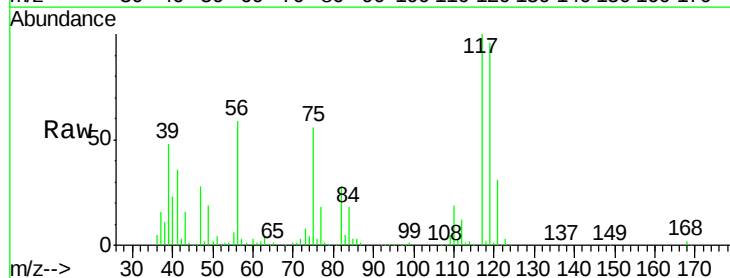
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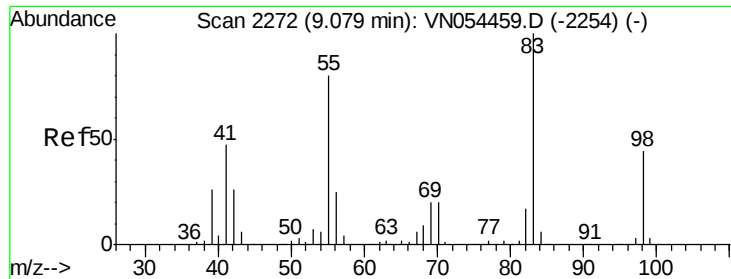
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#38
Carbon Tetrachloride
Concen: 48.591 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.3	114.5
121	30.7	24.6	36.8





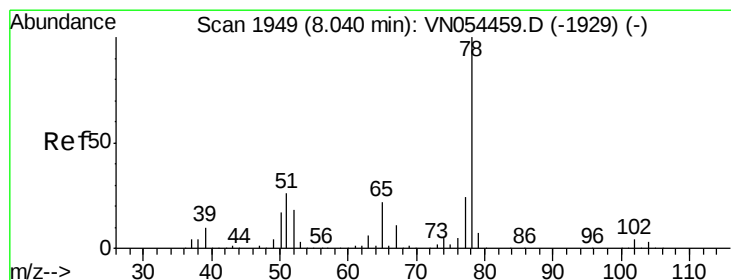
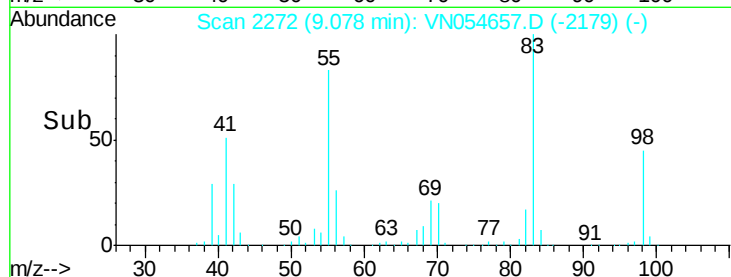
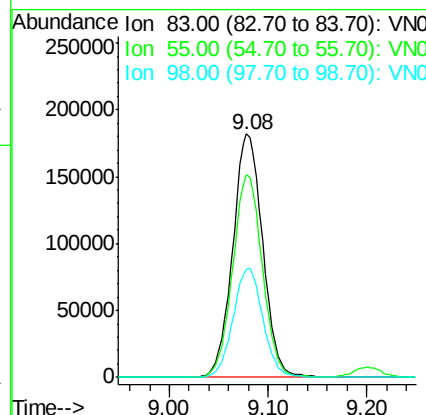
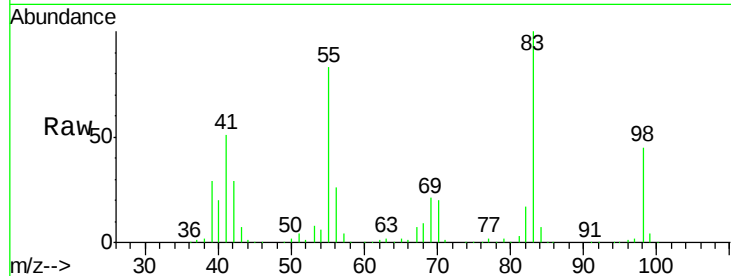
#39
Methvlcvclohexane
Concen: 47.643 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	56.6	84.8
98	44.5	38.4	57.6

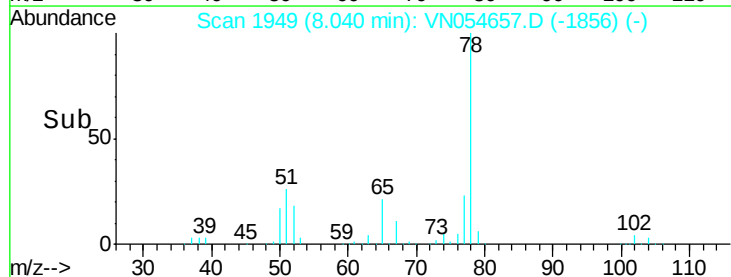
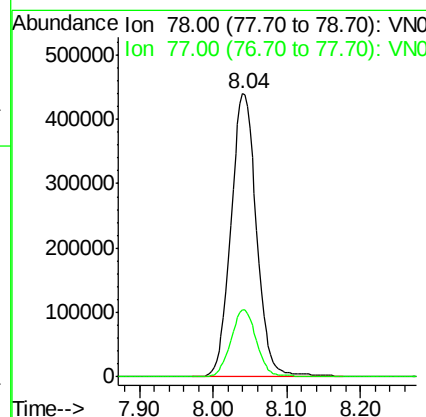
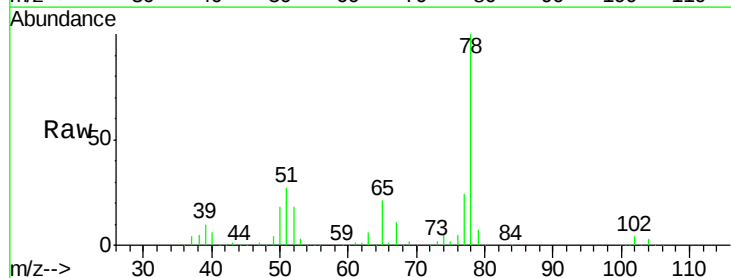
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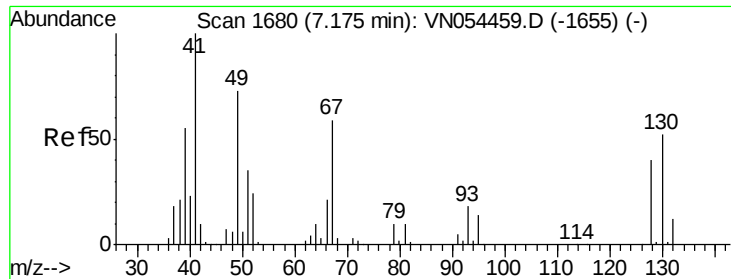
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#40
Benzene
Concen: 52.678 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





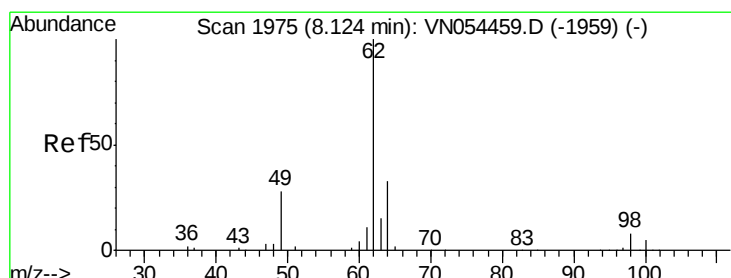
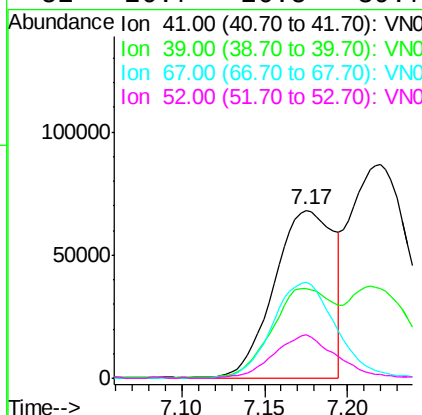
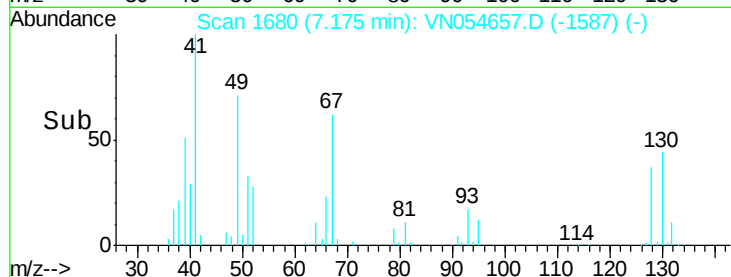
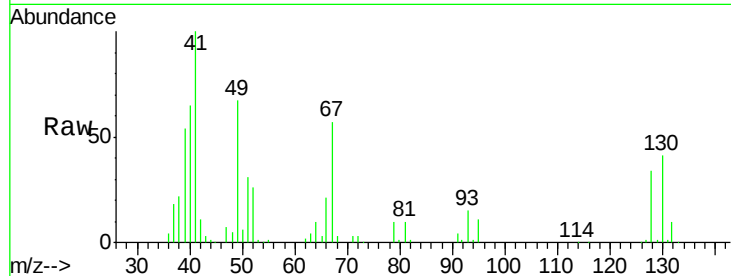
#41
Methacrylonitrile
Concen: 55.522 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	46.8	70.2
67	62.4	67.0	100.4
52	26.7	26.5	39.7

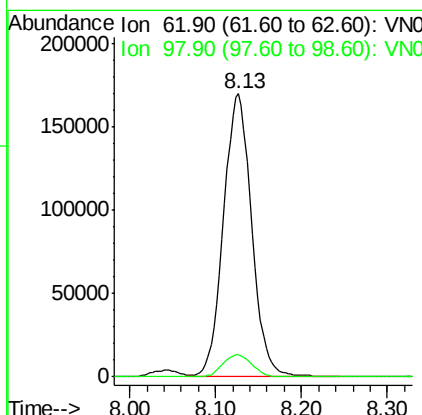
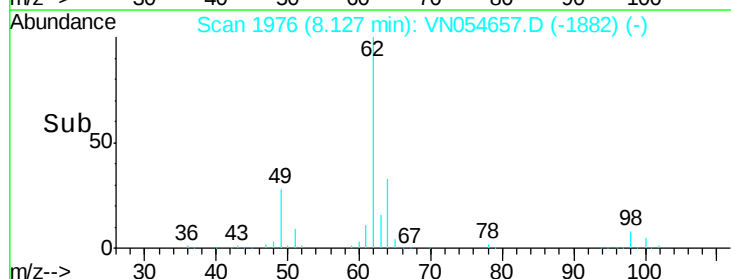
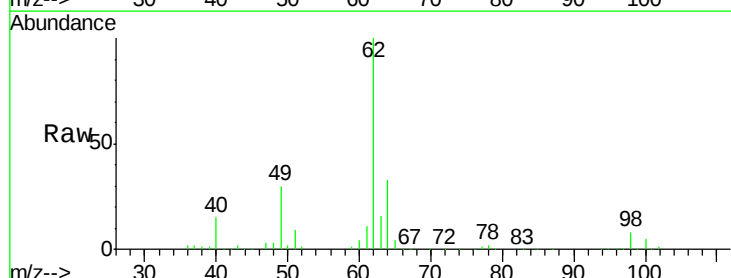
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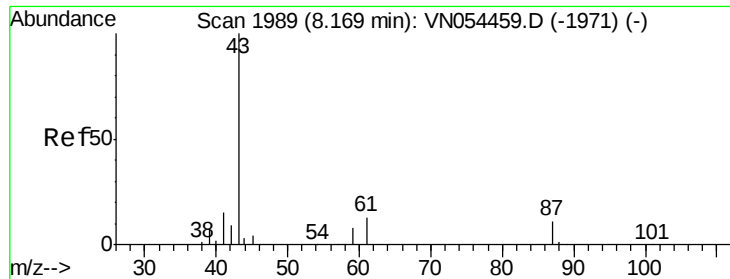
MMDadoda
3/25/2019 9:55:20 AM



#42
1,2-Dichloroethane
Concen: 52.578 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4





#43

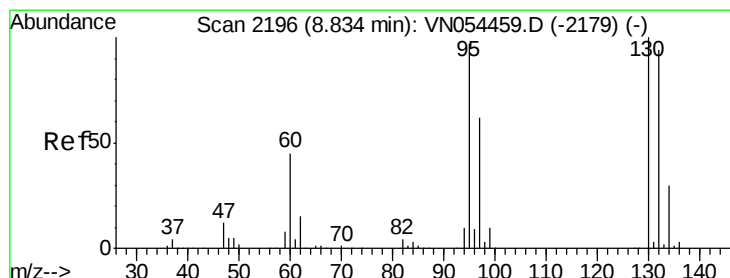
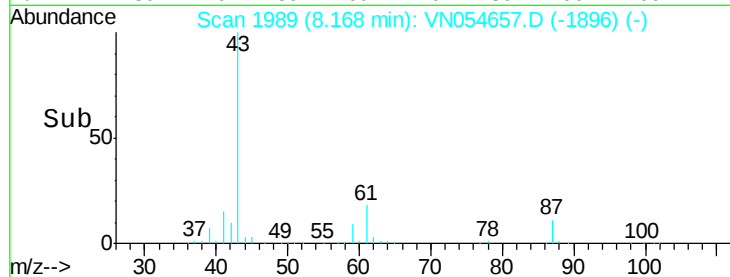
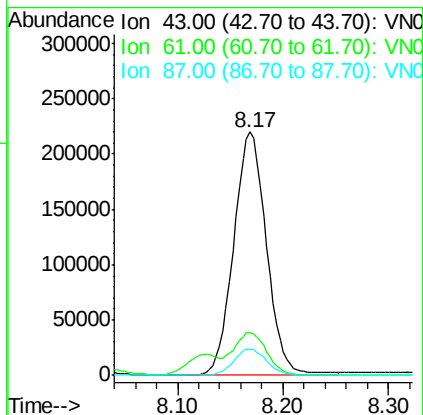
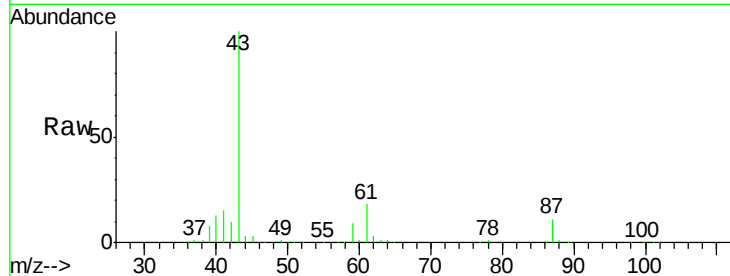
Isopropyl Acetate
 Concen: 55.705 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	15.8	23.8
87	11.0	12.0	18.0

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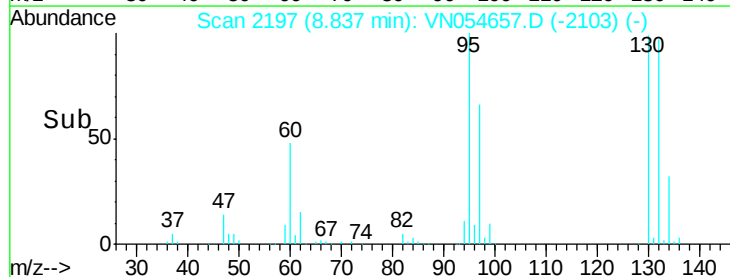
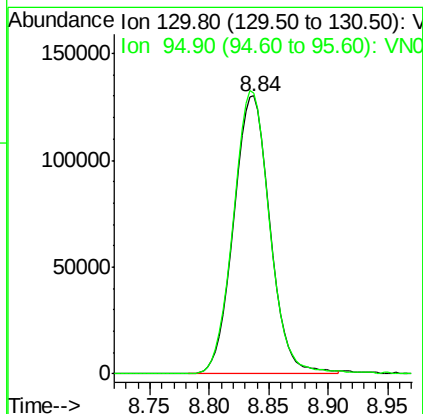
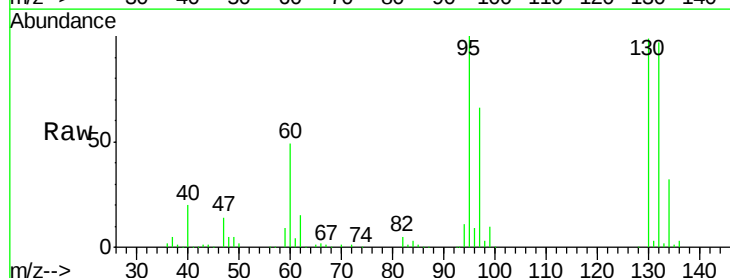
MMDadoda
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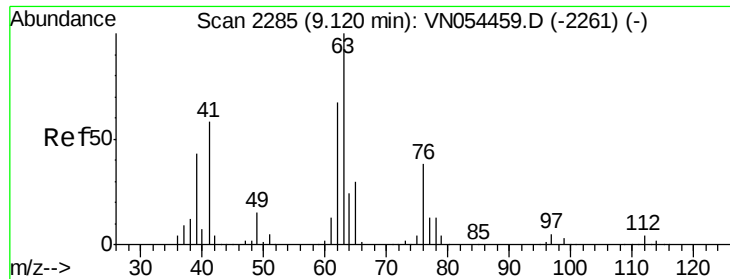


#44

Trichloroethene
 Concen: 49.257 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	185.2





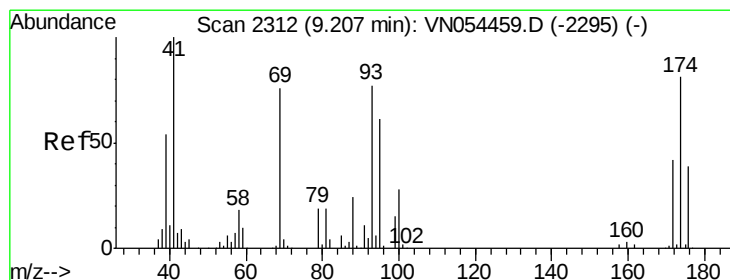
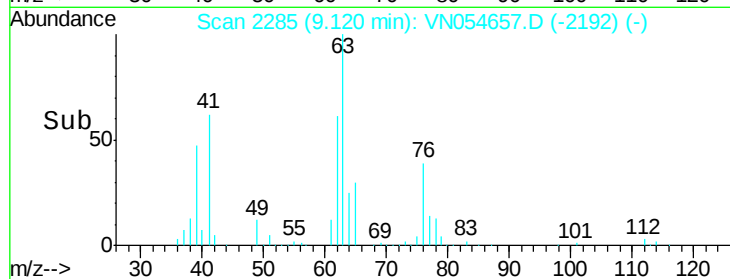
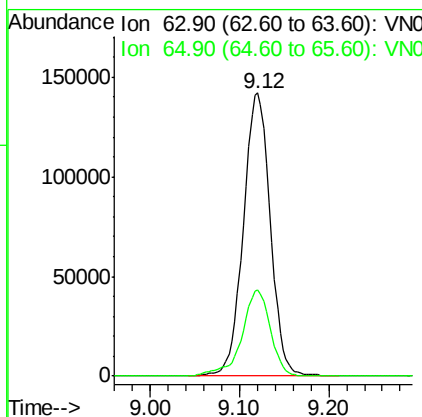
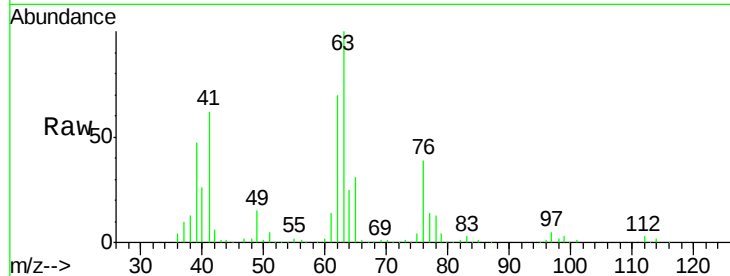
#45
 1,2-Dichloropropane
 Concen: 55.168 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 298807
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

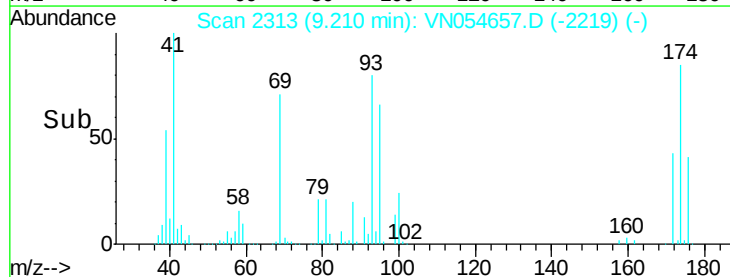
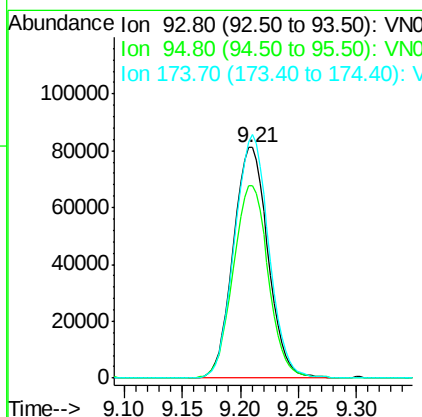
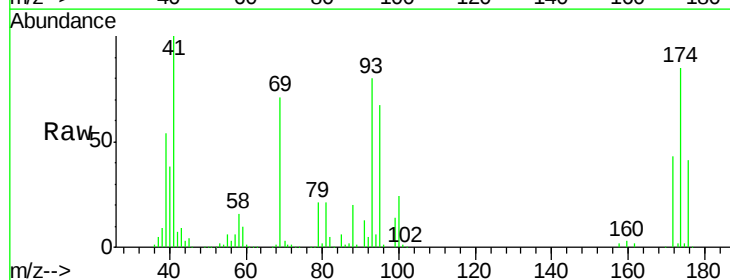
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#46
 Dibromomethane
 Concen: 52.309 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 93 Resp: 169022
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 104.1 98.5 147.7





#47

Bromodichloromethane

Concen: 53.059 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

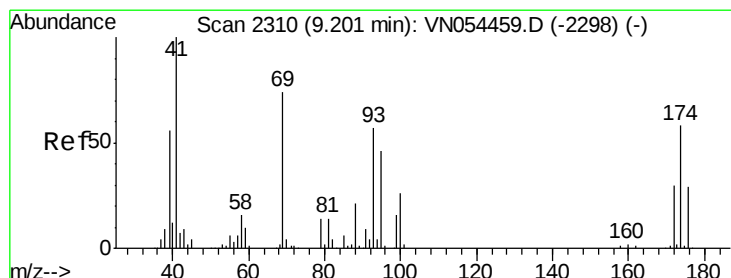
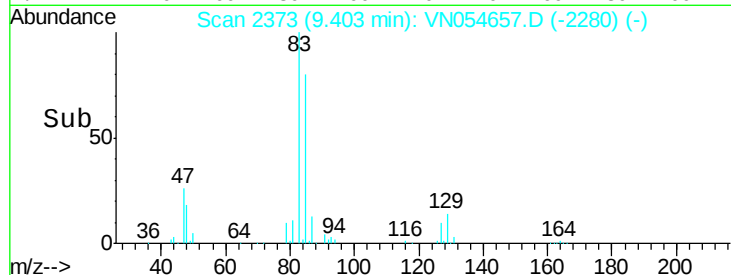
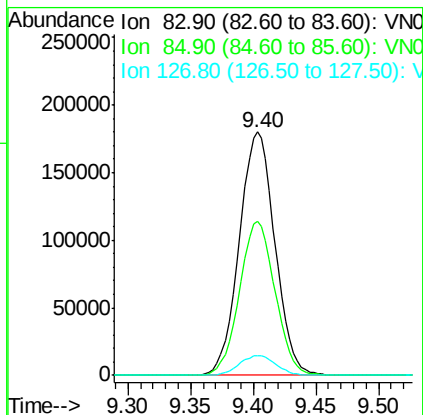
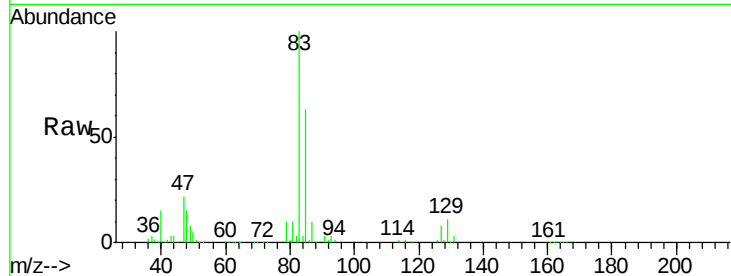
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	355816
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.8	79.2
127	8.2	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.652 ug/l

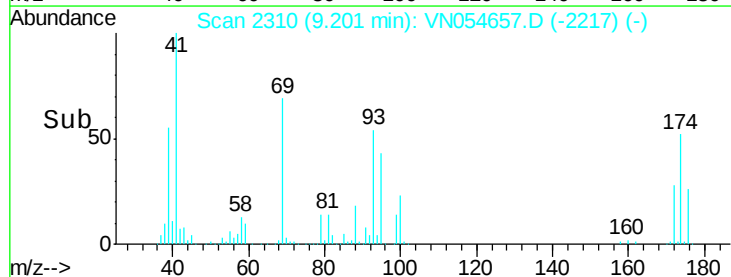
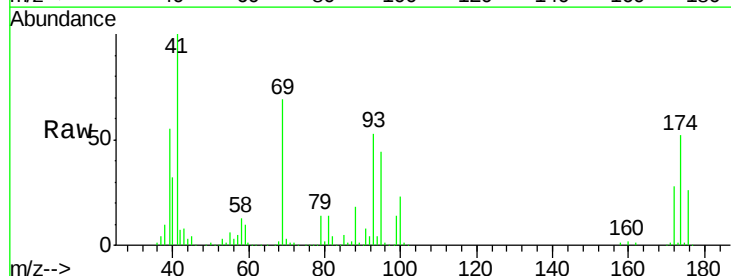
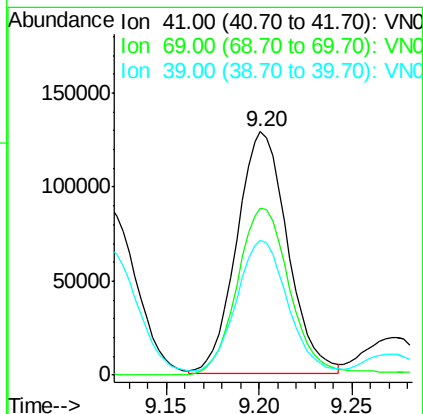
RT: 9.20 min Scan# 2310

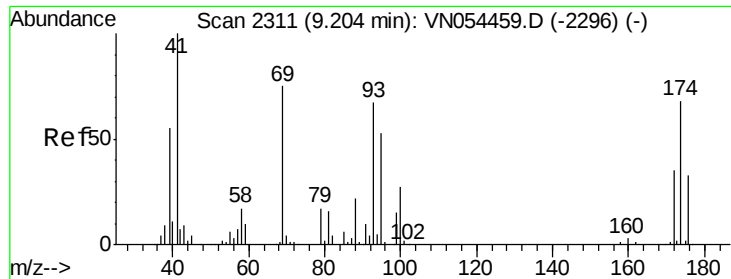
Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion:	41	Resp:	246736
Ion Ratio	Lower	Upper	
41	100		
69	71.6	72.6	108.8#
39	55.7	47.5	71.3





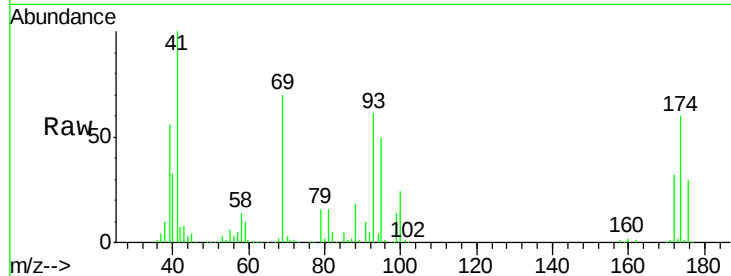
#49
1,4-Dioxane
Concen: 934.025 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

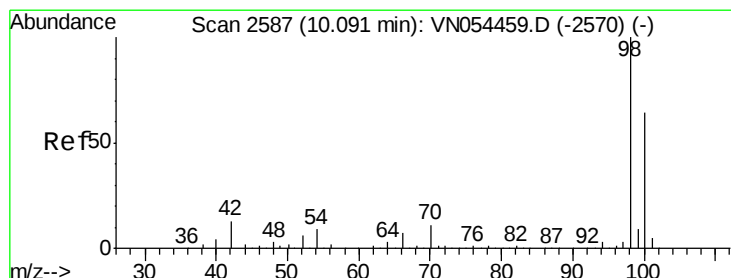
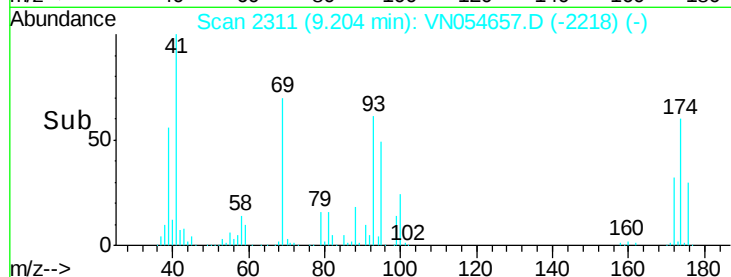
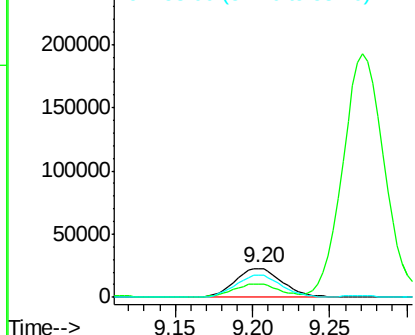
Tot Ion: 88 Resp: 48020
Ion Ratio Lower Upper
88 100
43 42.2 24.1 36.1#
58 75.8 50.8 76.2

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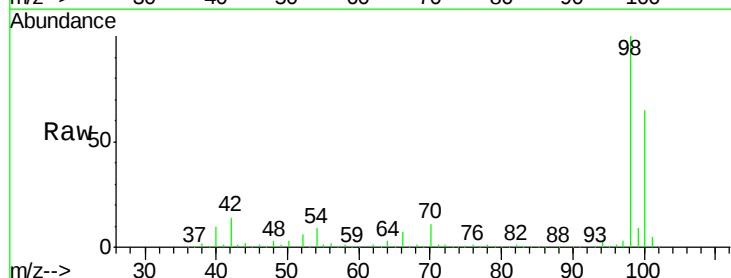


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

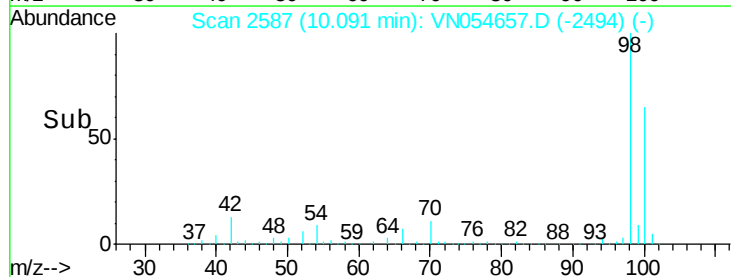
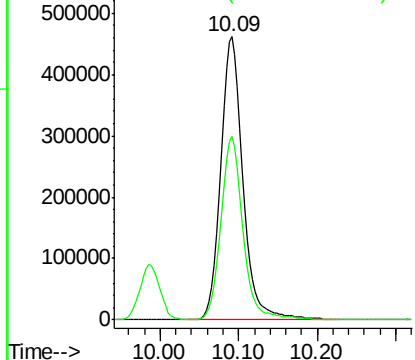


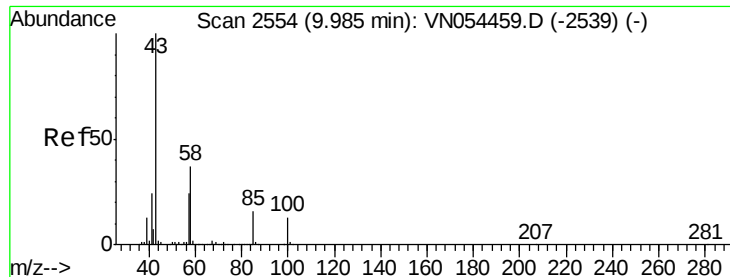
#50
Toluene-d8
Concen: 49.135 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 98 Resp: 897789
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 280.717 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1318175

Ion Ratio Lower Upper

43 100

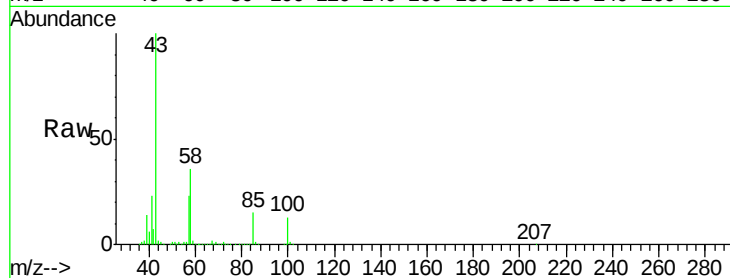
58 35.6 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800000

600000

400000

200000

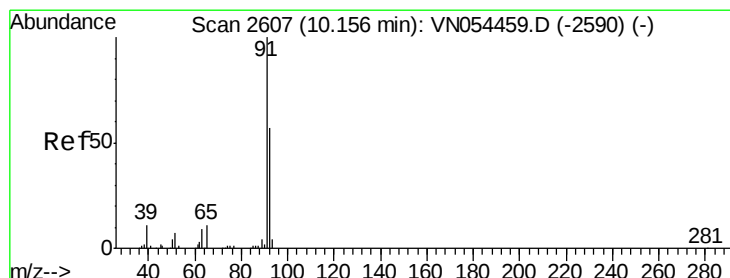
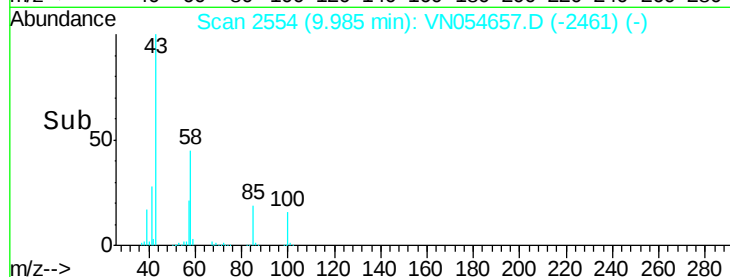
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 51.797 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054657.D

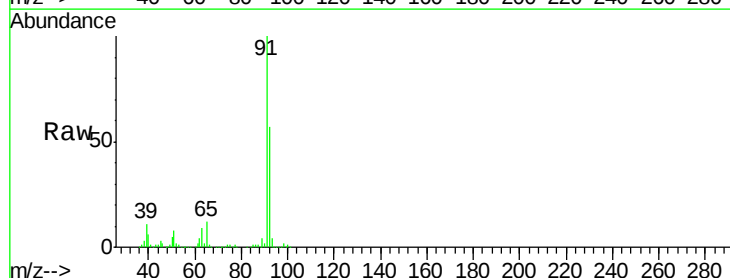
Acq: 24 Mar 2019 19:11

Tgt Ion: 92 Resp: 642605

Ion Ratio Lower Upper

92 100

91 172.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

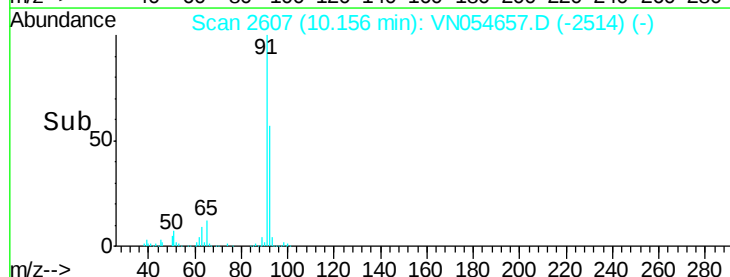
100000

0

10.00

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.560 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 335635

Ion Ratio Lower Upper

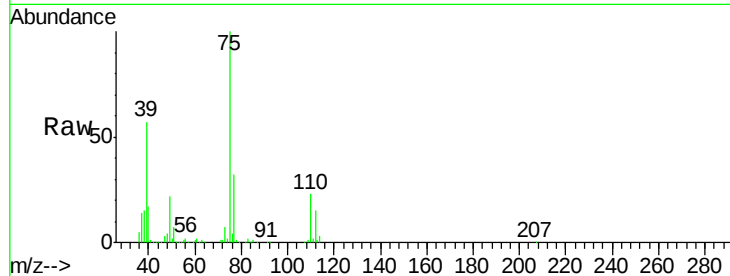
75 100

77 32.0 25.8 38.8

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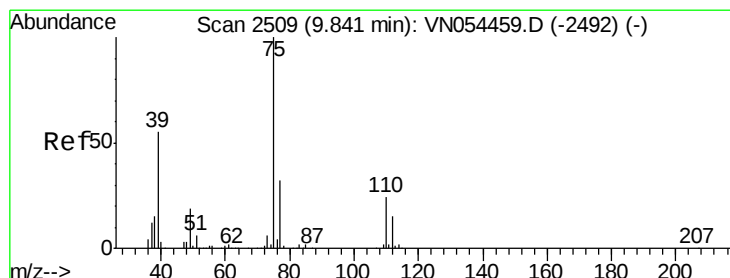
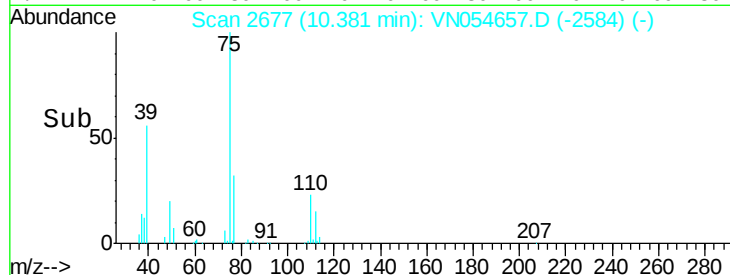
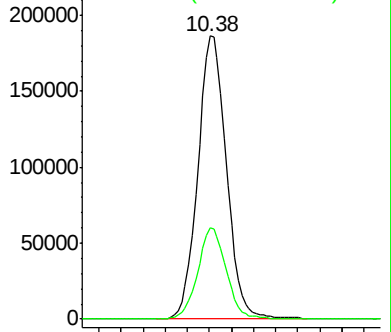
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.634 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

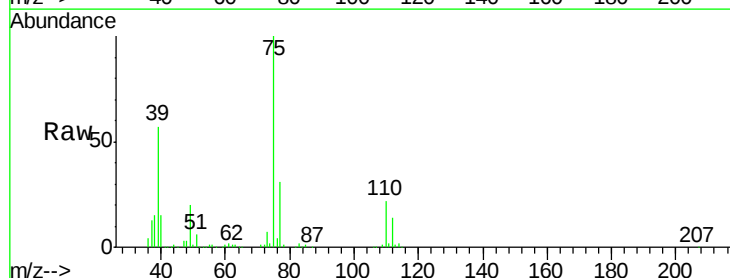
Tgt Ion: 75 Resp: 412401

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

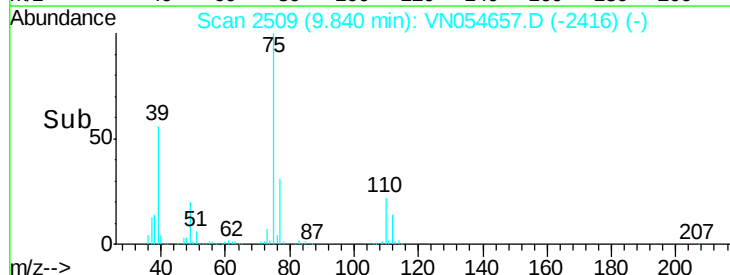
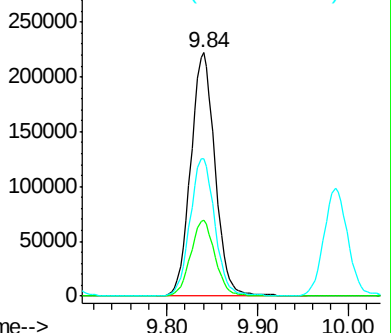
39 56.4 37.2 55.8#

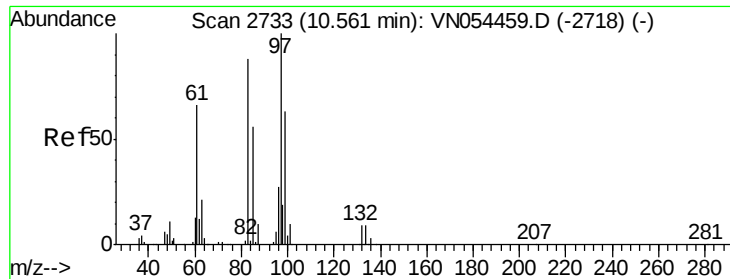


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





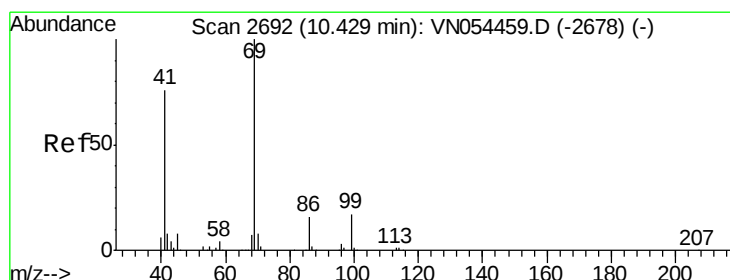
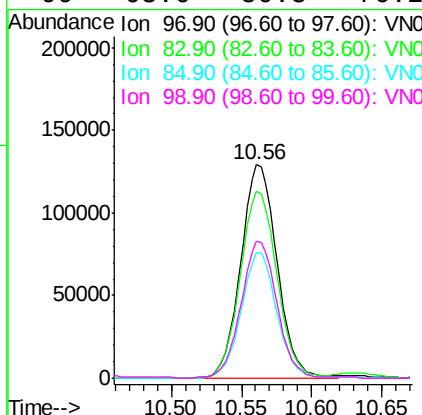
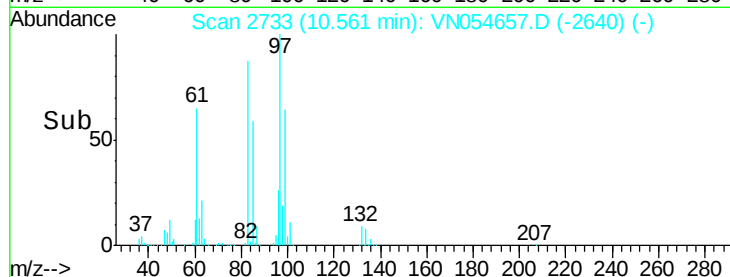
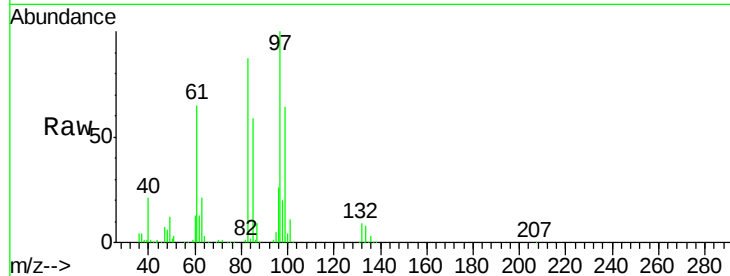
#55
 1,1,2-Trichloroethane
 Concen: 52.391 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		233641		
83	87.4	66.6	100.0		
85	58.6	44.4	66.6		
99	63.6	50.8	76.2		

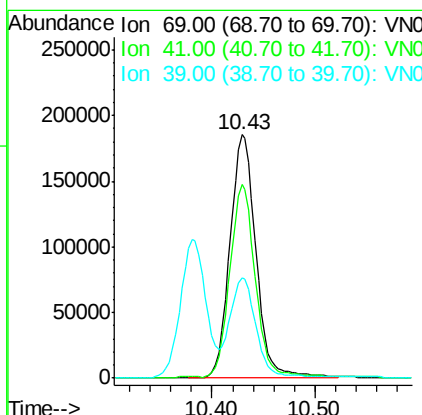
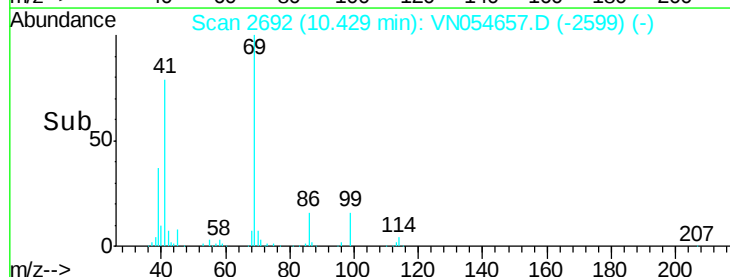
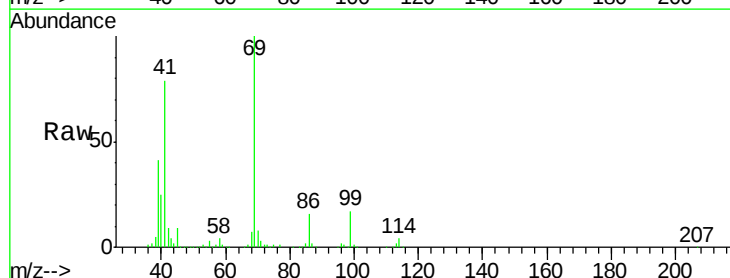
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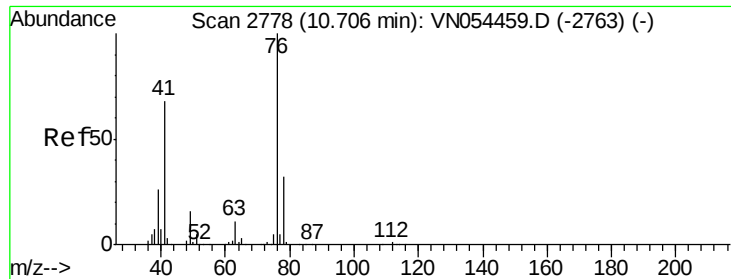
MMDadoda
 3/25/2019 9:55:20 AM



#56
 Ethyl methacrylate
 Concen: 54.647 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		327094		
41	77.2	49.4	74.2#		
39	41.3	28.3	42.5		





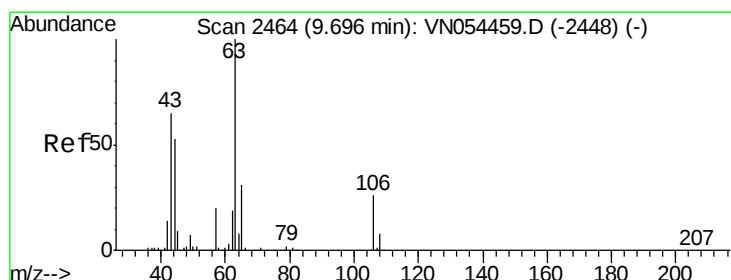
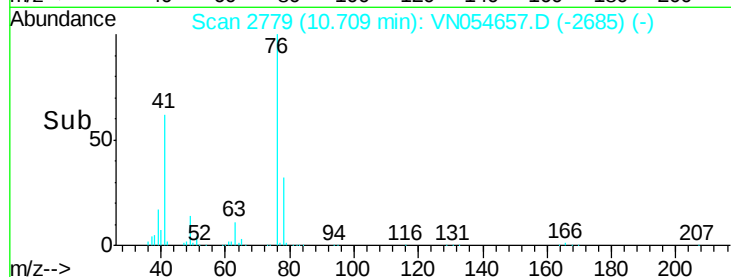
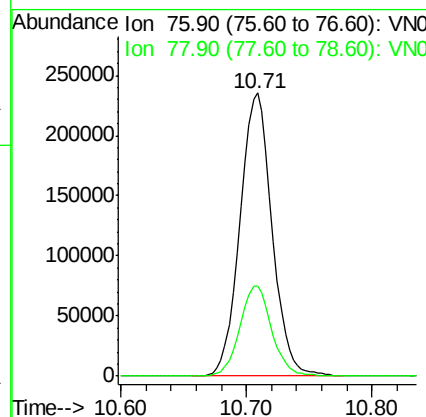
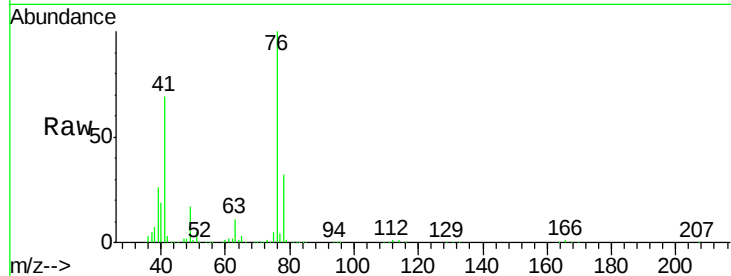
#57
 1,3-Dichloropropane
 Concen: 53.892 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 417773
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

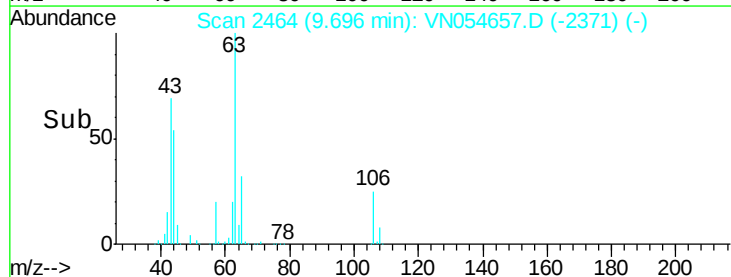
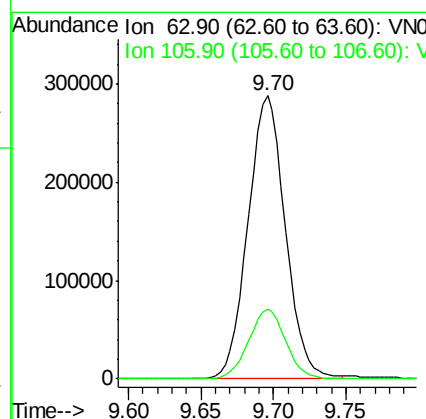
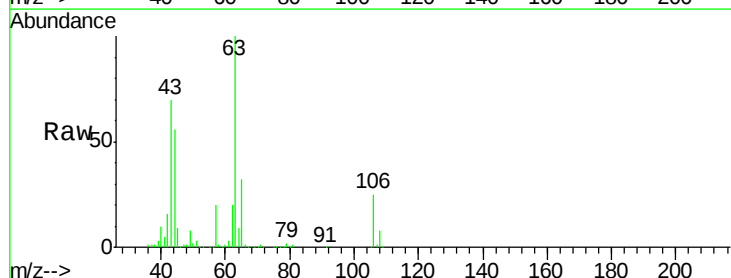
Manual Integrations
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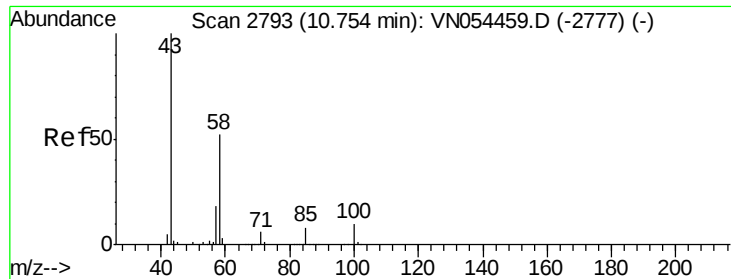
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 3/25/2019 9:55:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 209.649 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion: 63 Resp: 516729
 Ion Ratio Lower Upper
 63 100
 106 24.5 24.4 36.6





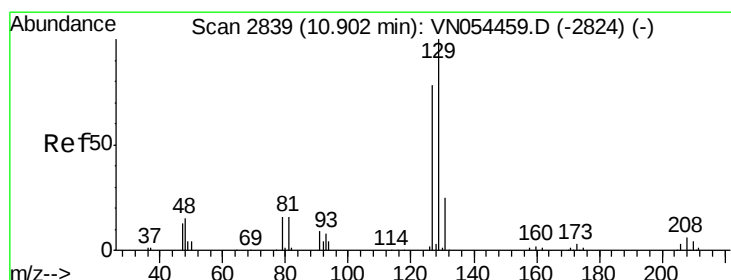
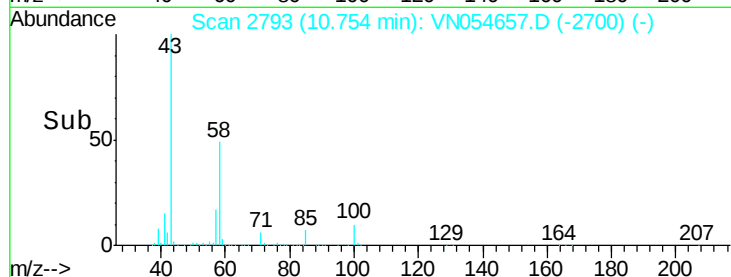
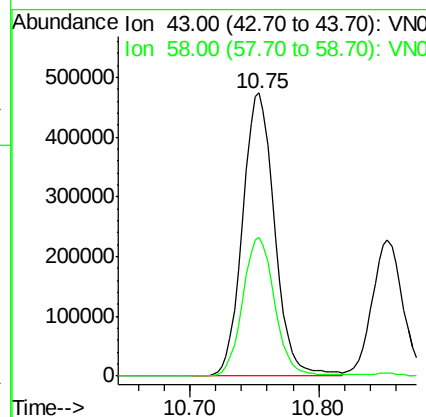
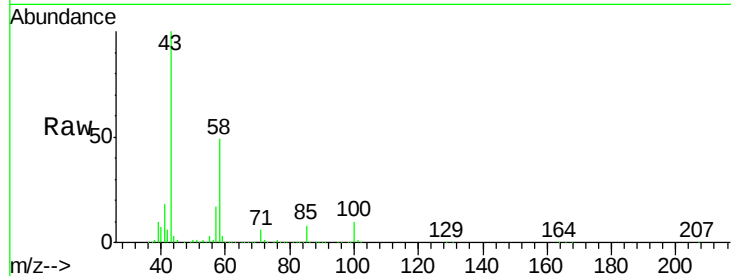
#59
2-Hexanone
Concen: 266.930 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 818728
Ion Ratio Lower Upper
43 100
58 49.4 28.0 83.9

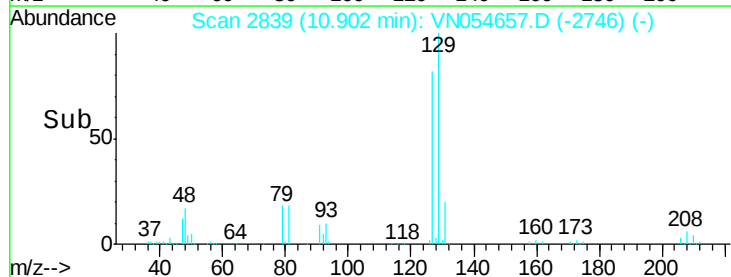
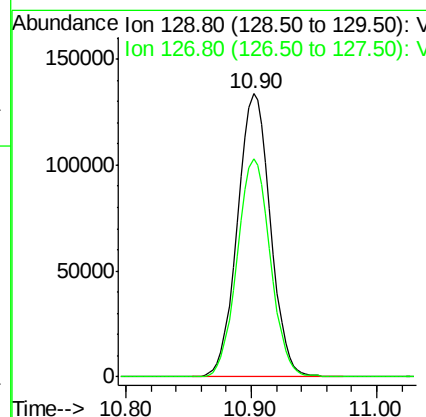
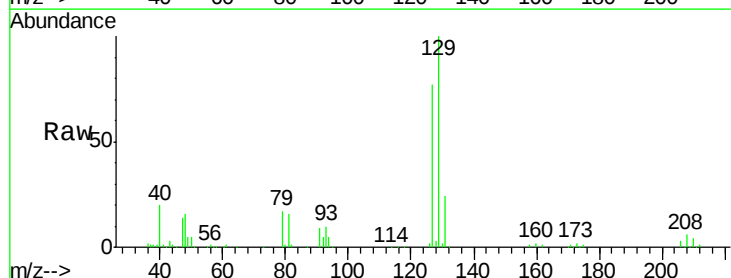
Manual Integrations
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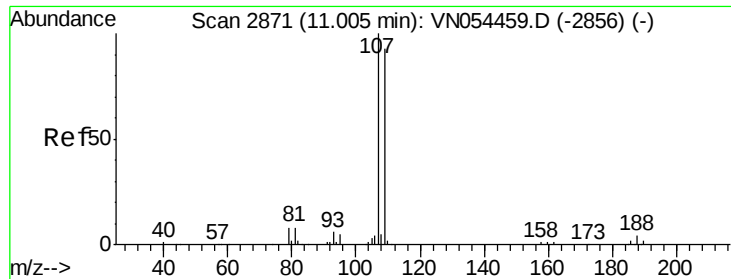
MMDadoda
3/25/2019 9:55:20 AM



#60
Dibromochloromethane
Concen: 51.471 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 129 Resp: 244248
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





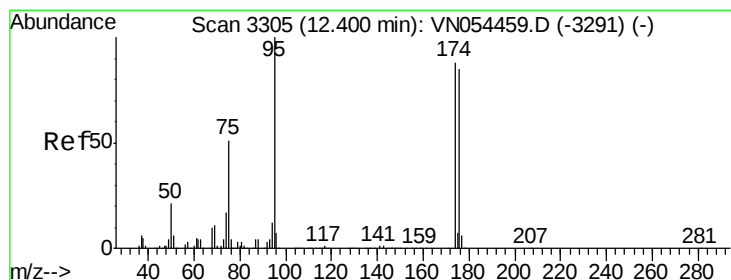
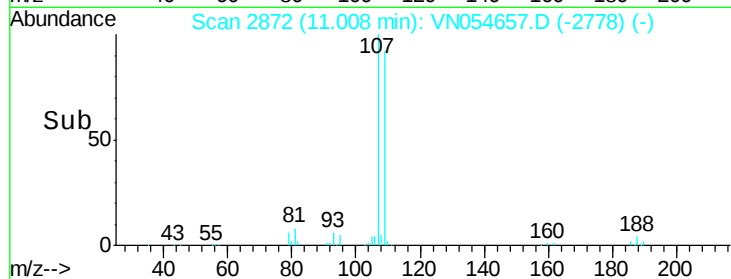
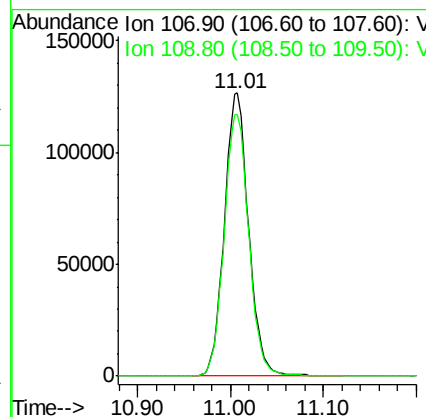
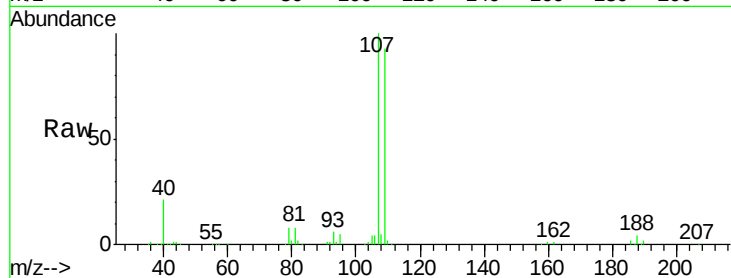
#61
 1,2-Dibromoethane
 Concen: 52.066 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.9	113.9

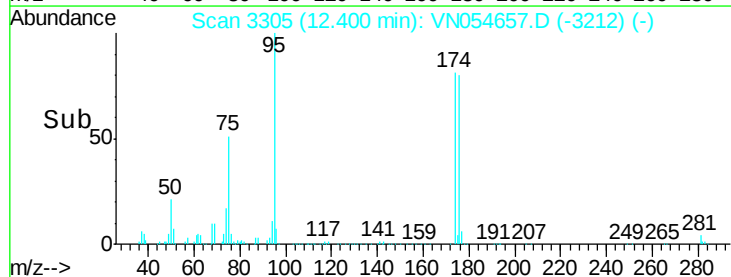
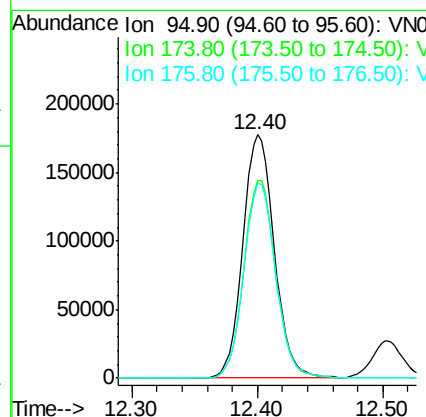
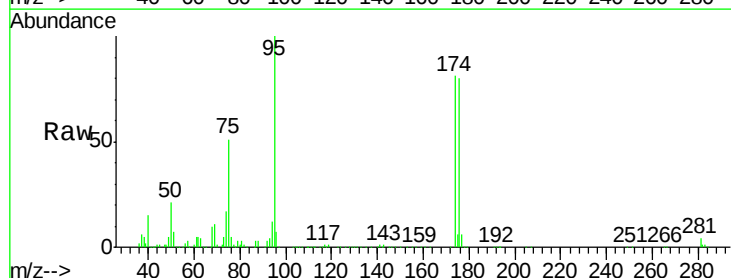
Manual Integrations
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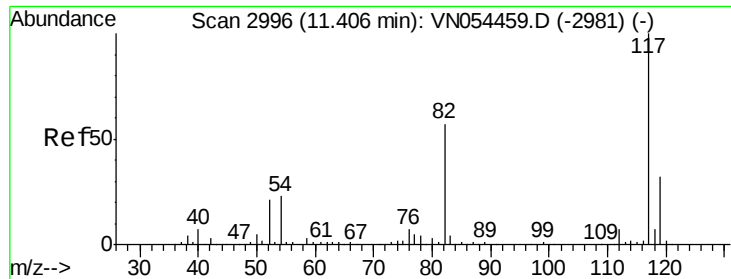
MMDadoda
 3/25/2019 9:55:20 AM



#62
 4-Bromofluorobenzene
 Concen: 49.953 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.9	0.0	191.0
176	81.0	0.0	187.4





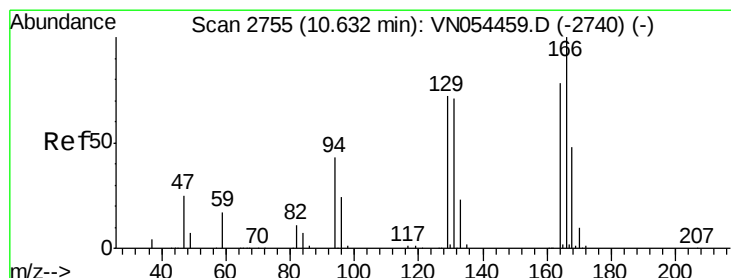
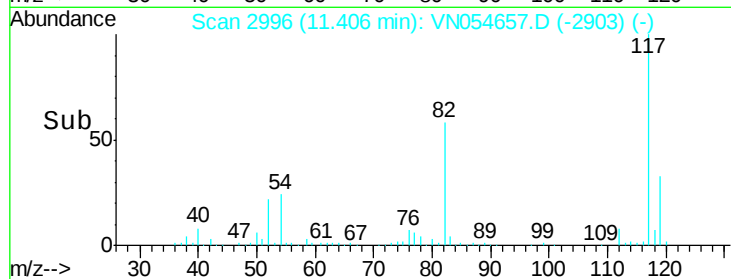
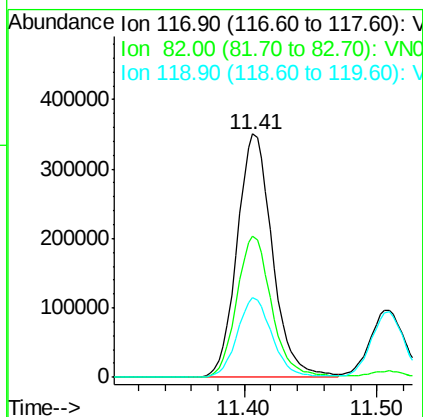
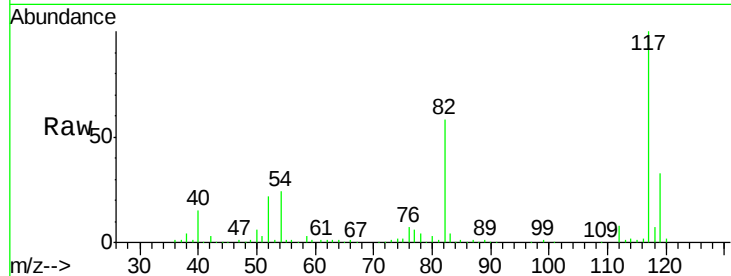
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	40.0	60.0
119	32.7	25.8	38.6

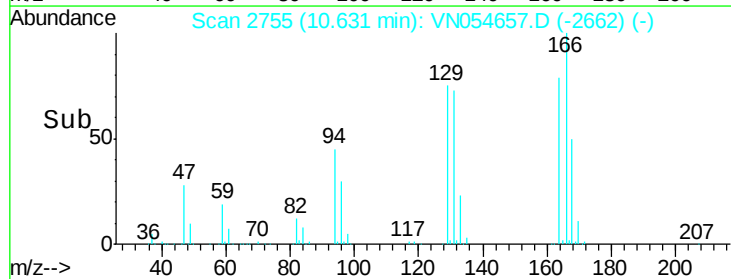
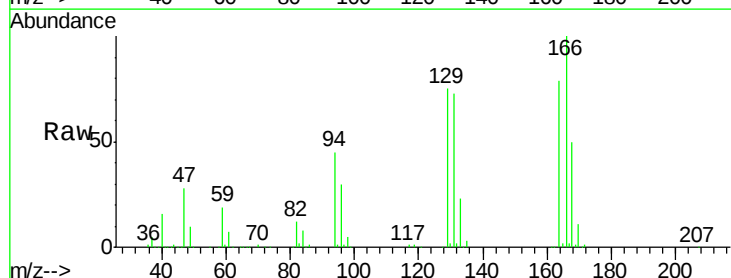
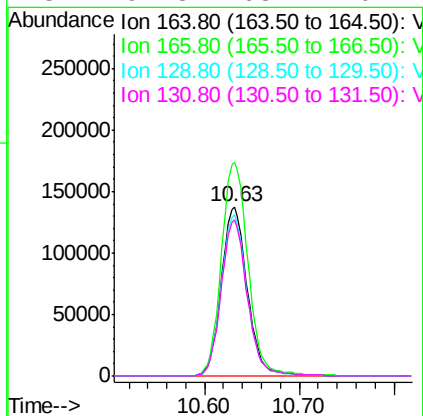
Manual Integrations
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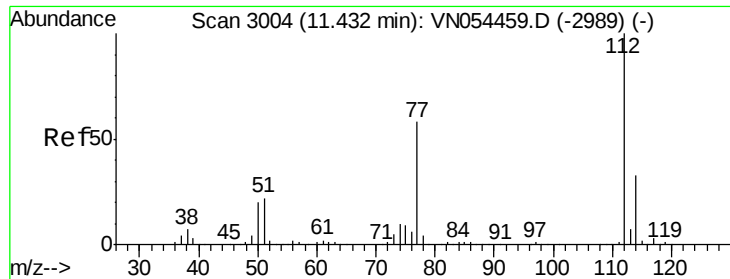
MMDadoda
3/25/2019 9:55:20 AM



#64
Tetrachloroethene
Concen: 48.912 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	103.9	155.9
129	94.8	71.1	106.7
131	92.3	68.2	102.4





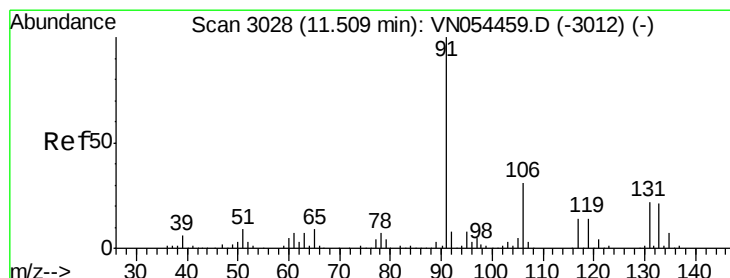
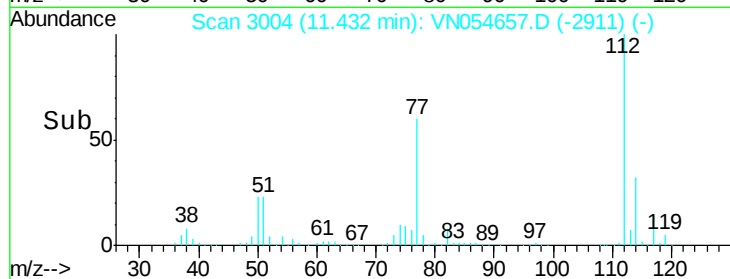
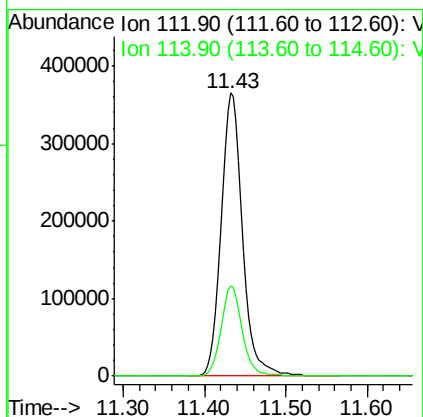
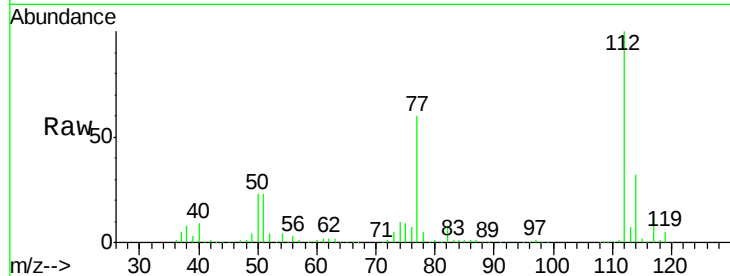
#65
Chlorobenzene
Concen: 51.468 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 679883
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

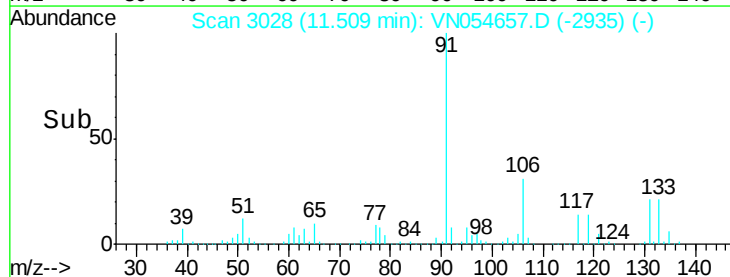
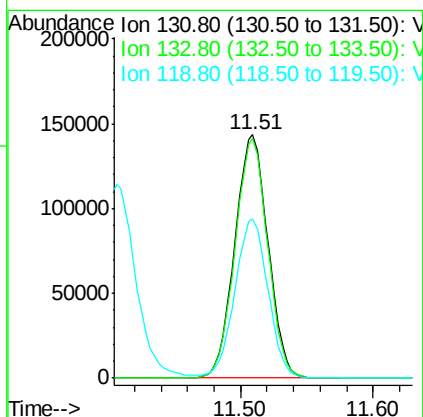
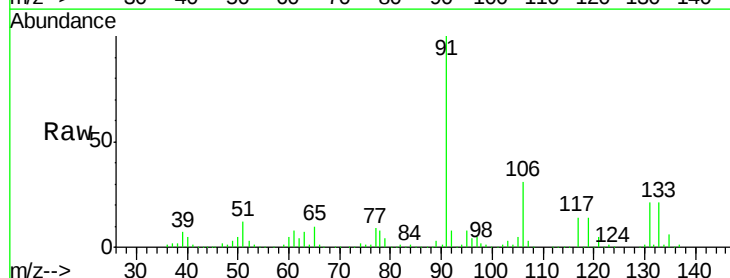
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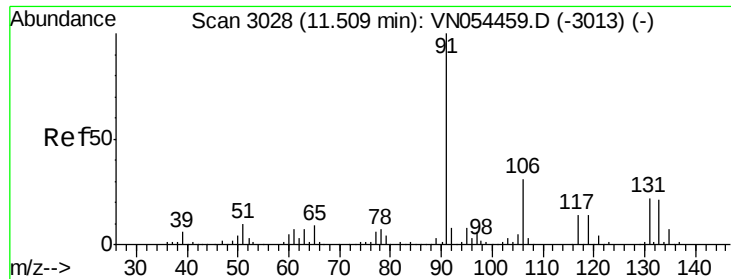
MMDadoda
3/25/2019 9:55:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.627 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion:131 Resp: 249525
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.9
119 65.5 32.4 97.0





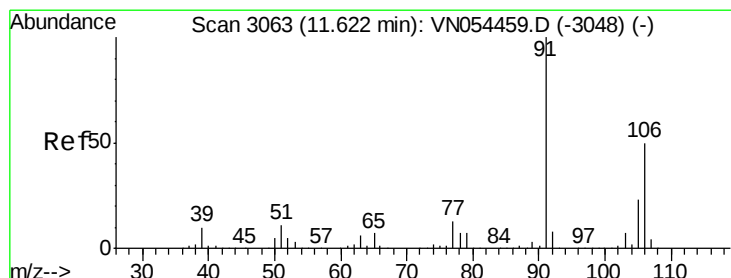
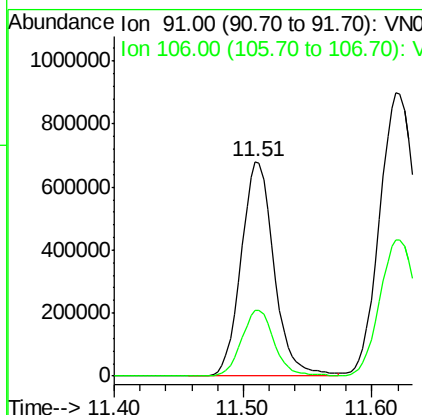
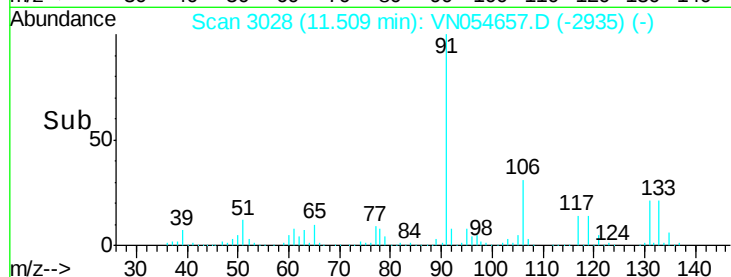
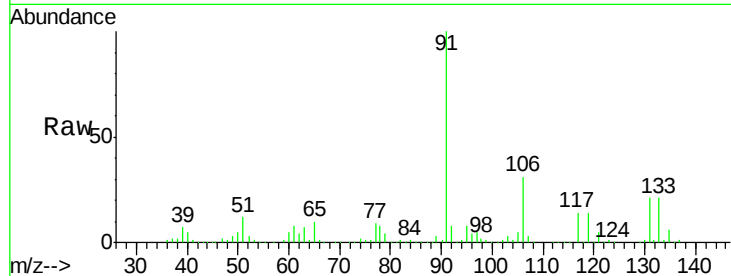
#67
Ethyl Benzene
Concen: 51.834 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1209505
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

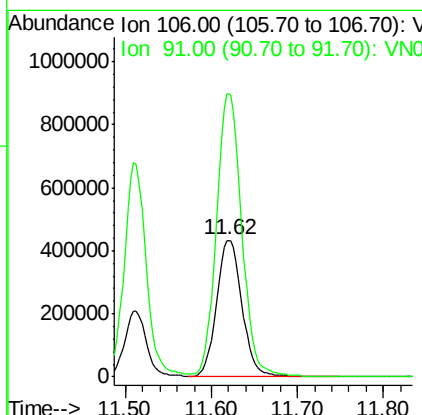
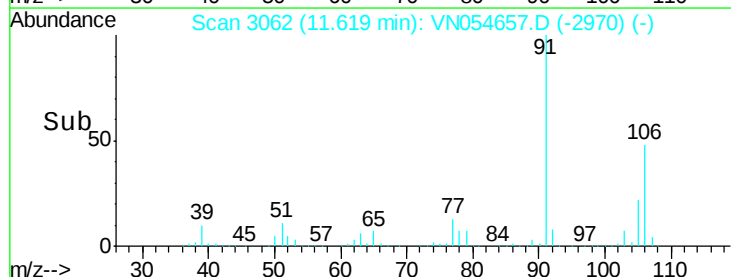
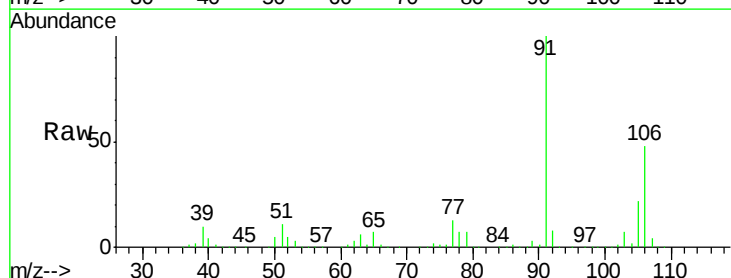
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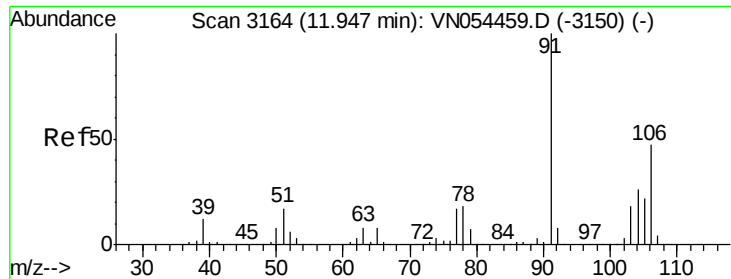
MMDadoda
3/25/2019 9:55:20 AM



#68
m/p-Xylenes
Concen: 101.058 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion: 106 Resp: 893188
Ion Ratio Lower Upper
106 100
91 206.4 159.4 239.2





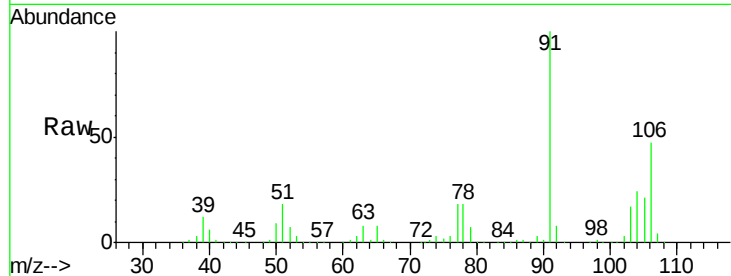
#69
o-Xylene
Concen: 51.944 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

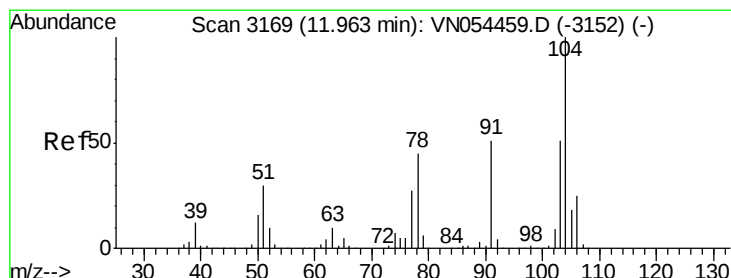
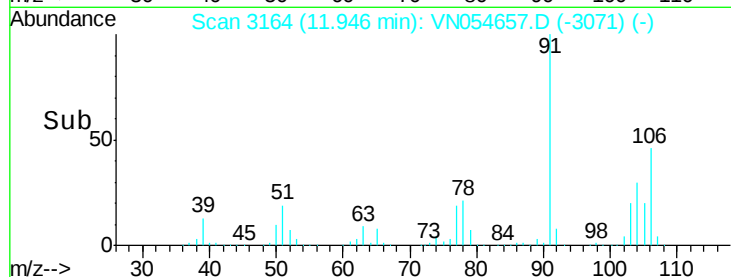
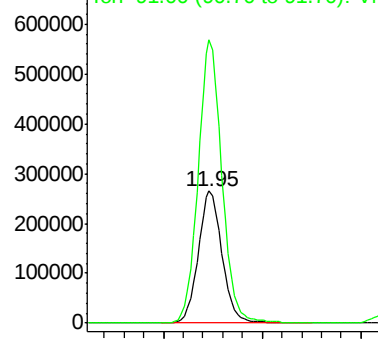
Tot Ion:106 Resp: 448355
Ion Ratio Lower Upper
106 100
91 214.2 105.7 317.1

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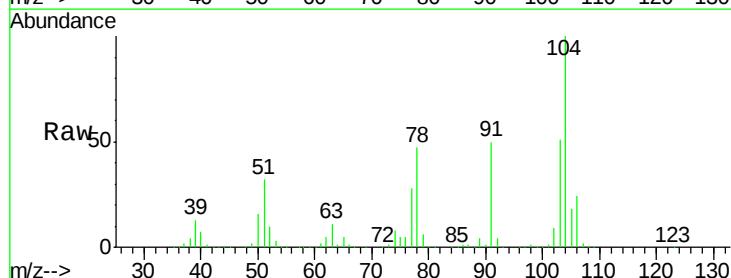


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

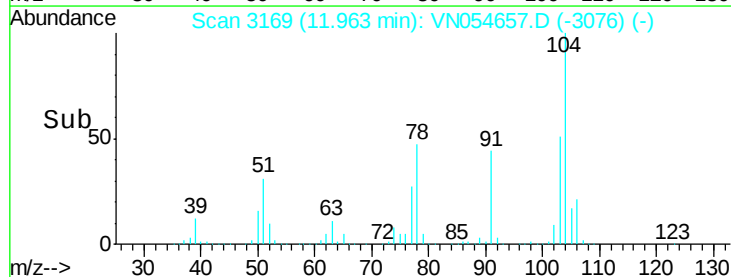
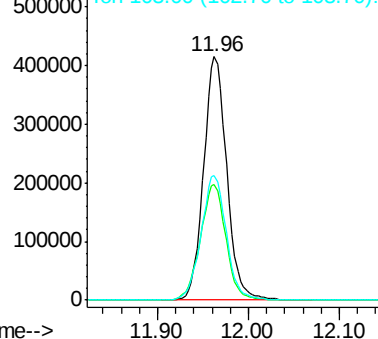


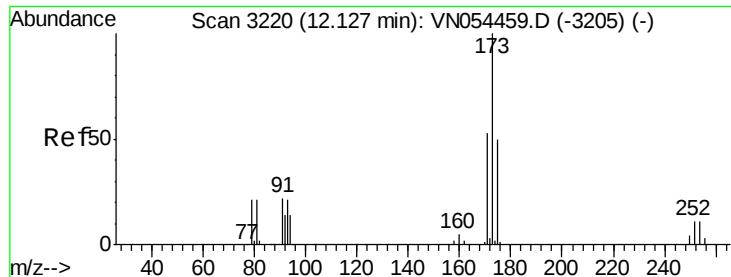
#70
Styrene
Concen: 52.397 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion:104 Resp: 734450
Ion Ratio Lower Upper
104 100
78 52.3 38.2 57.2
103 55.8 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





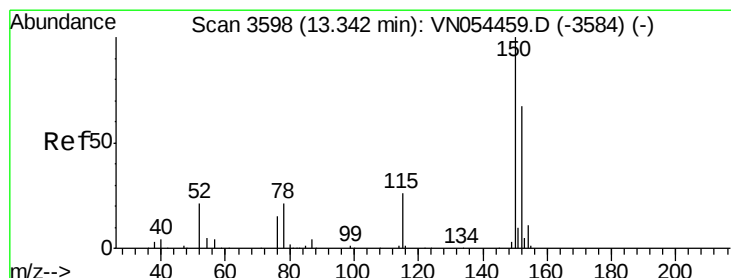
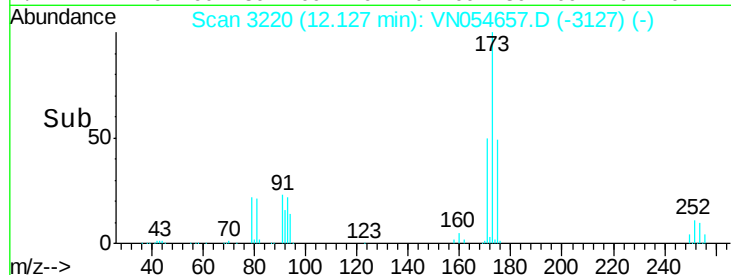
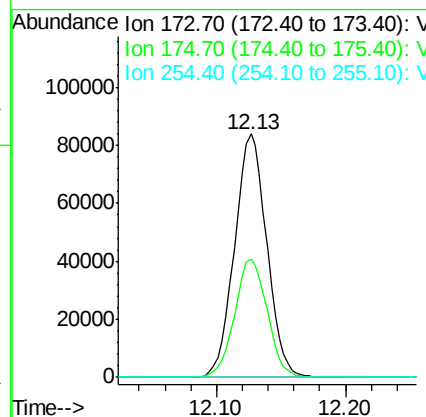
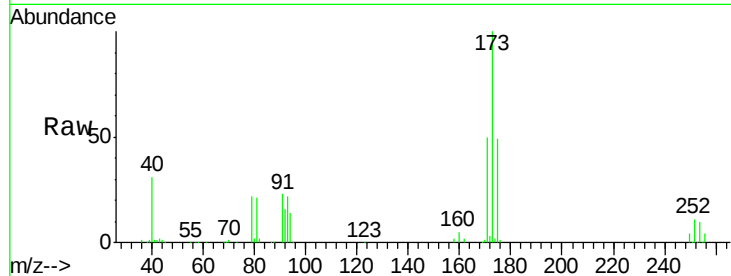
#71
Bromoform
Concen: 44.745 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

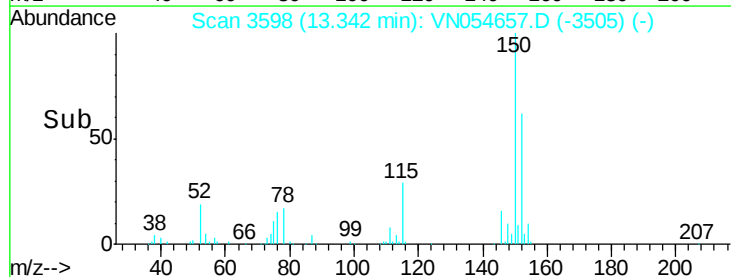
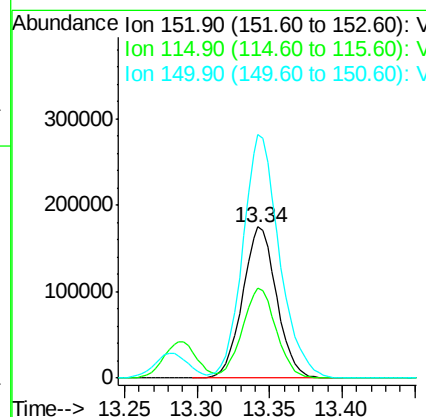
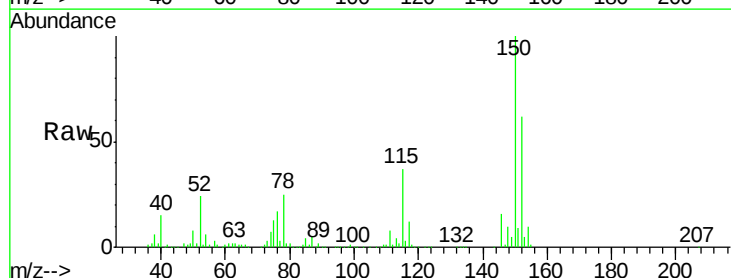
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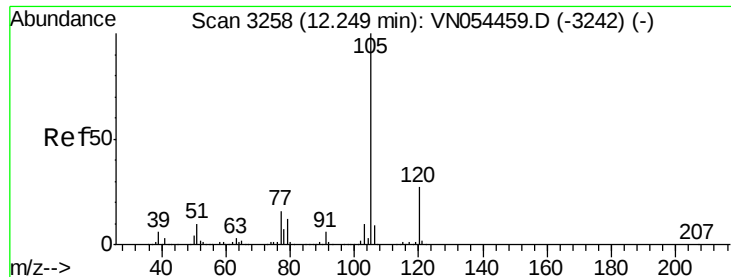
MMDadoda
3/25/2019 9:55:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	27.2	81.6
150	173.5	0.0	349.2





#73

Isopropylbenzene

Concen: 50.247 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1150801

Ion Ratio Lower Upper

105 100

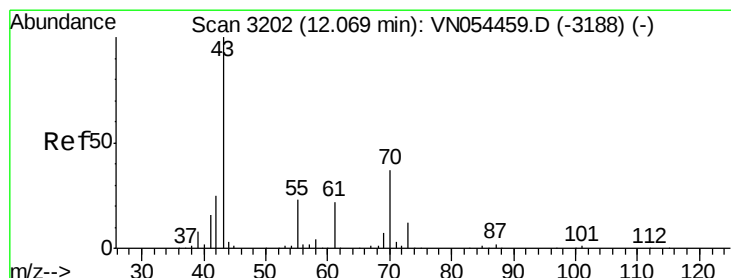
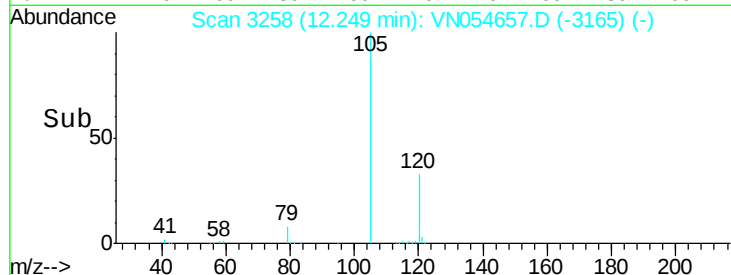
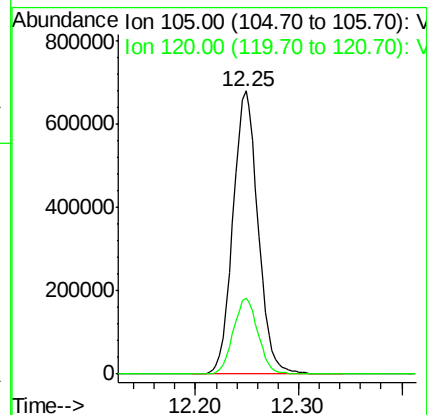
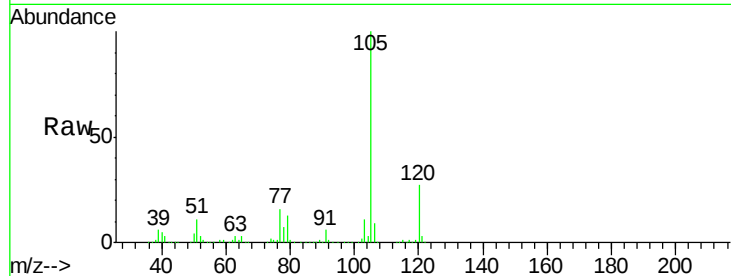
120 26.7 13.8 41.3

Manual Integrations

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MMDadoda

3/25/2019 9:55:20 AM



#74

N-ethyl acetate

Concen: 57.211 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion: 43 Resp: 376755

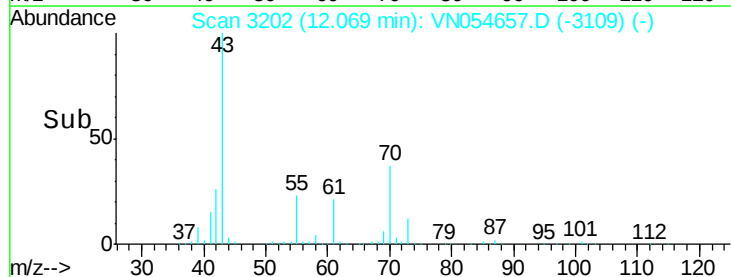
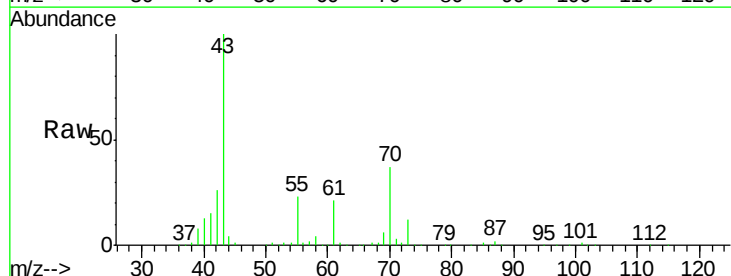
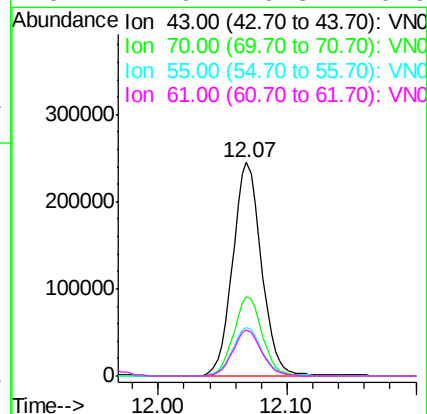
Ion Ratio Lower Upper

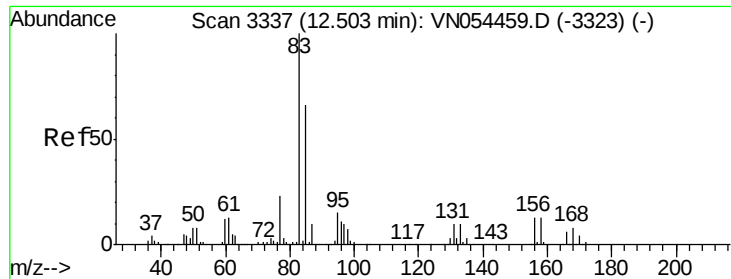
43 100

70 37.2 35.4 53.0

55 23.6 19.8 29.6

61 21.9 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.260 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

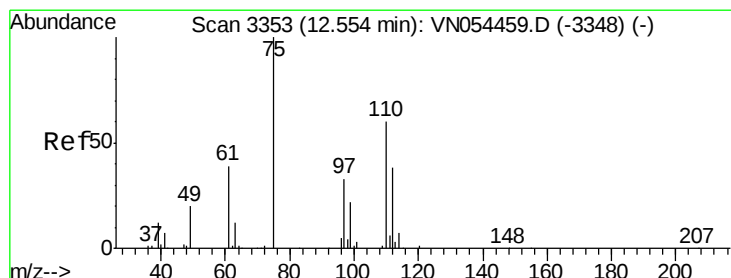
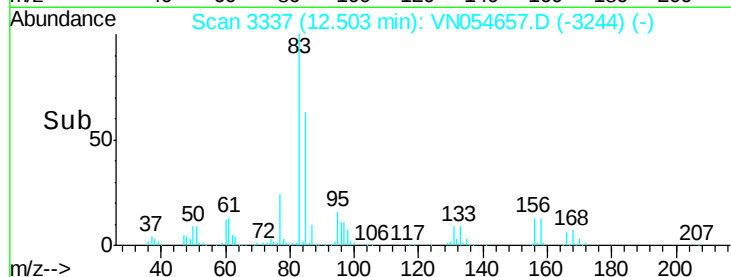
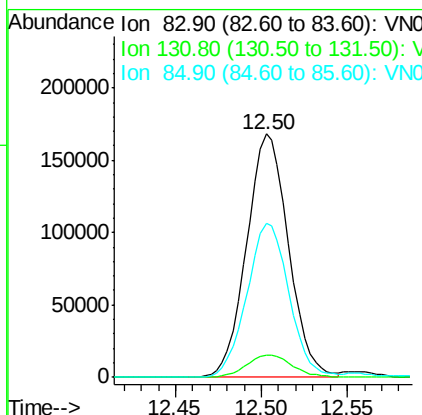
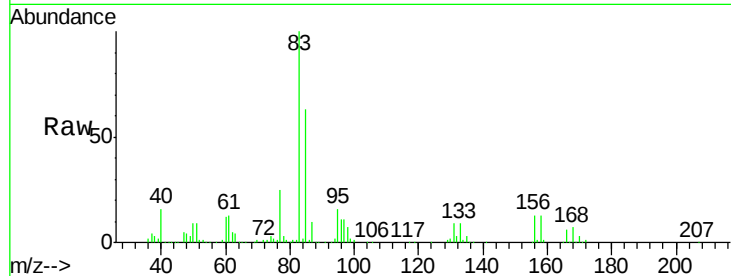
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	283677
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	63.7	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 48.099 ug/l m

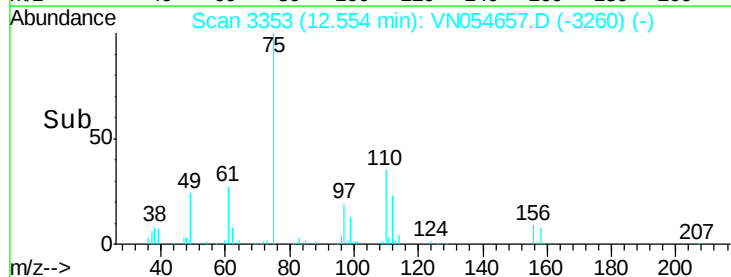
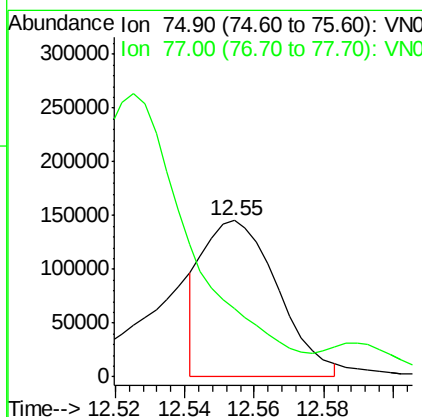
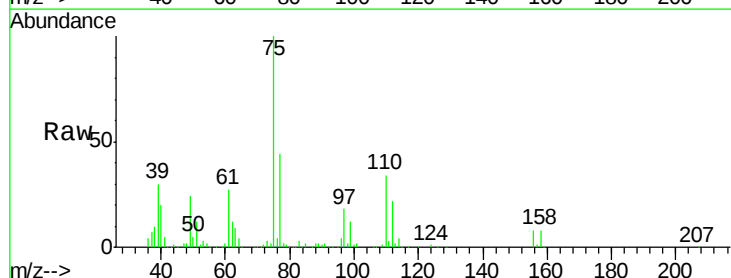
RT: 12.55 min Scan# 3353

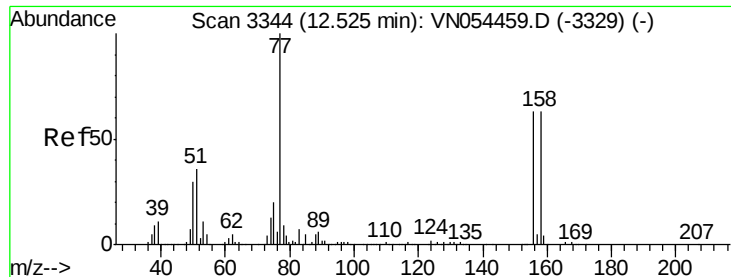
Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion:	75	Resp:	216930
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.296 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

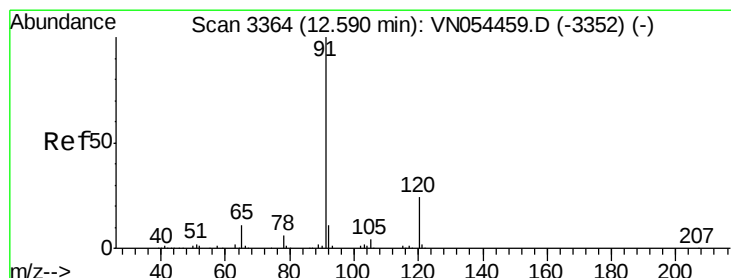
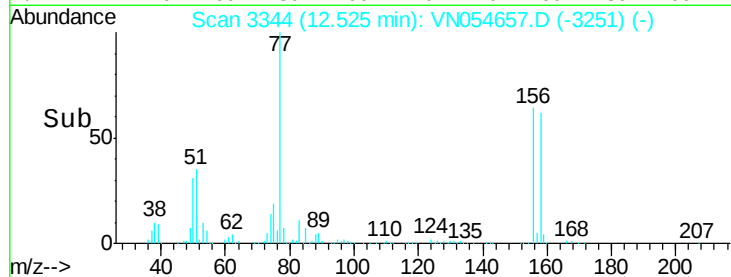
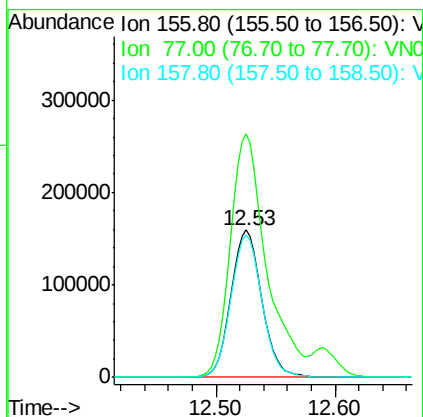
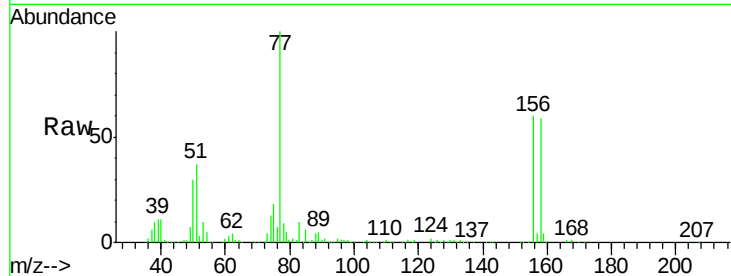
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	285687
Ion Ratio	Lower	Upper	
156	100		
77	194.2	81.5	244.4
158	97.6	49.0	147.2

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#78

n-propylbenzene

Concen: 50.850 ug/l

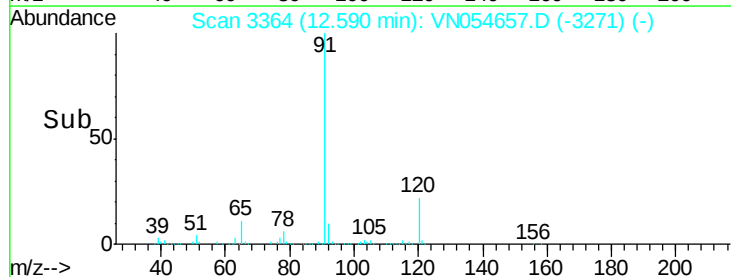
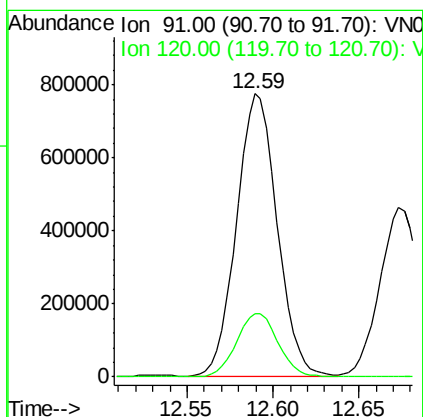
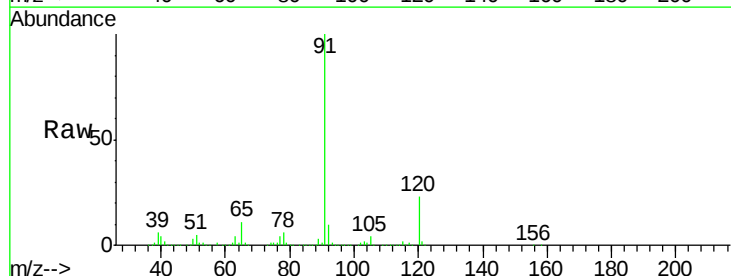
RT: 12.59 min Scan# 3364

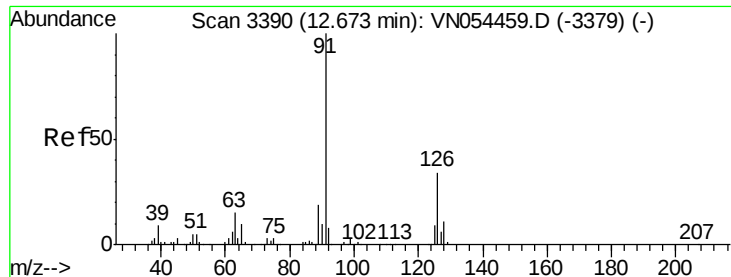
Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion:	91	Resp:	1262848
Ion Ratio	Lower	Upper	
91	100		
120	23.0	12.3	36.9





#79

2-Chlorotoluene

Concen: 49.992 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 774210

Ion Ratio Lower Upper

91 100

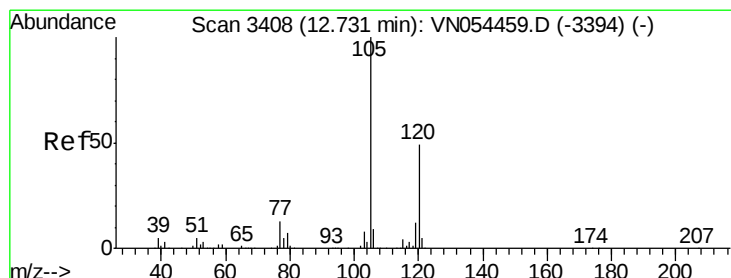
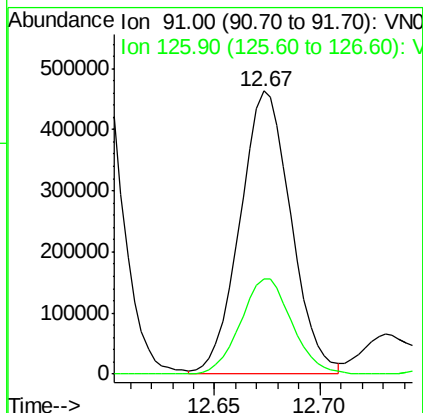
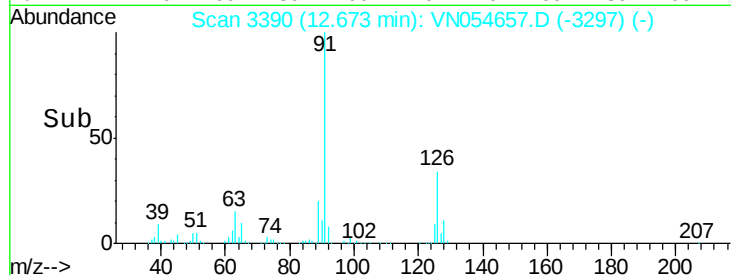
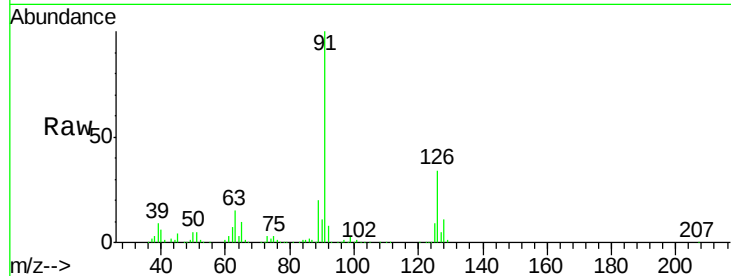
126 34.4 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.112 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054657.D

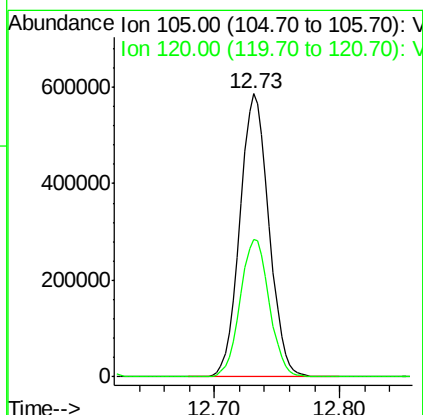
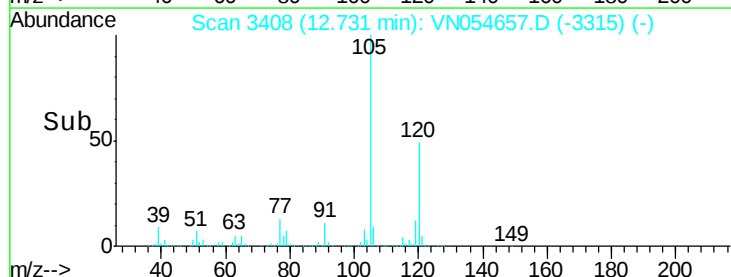
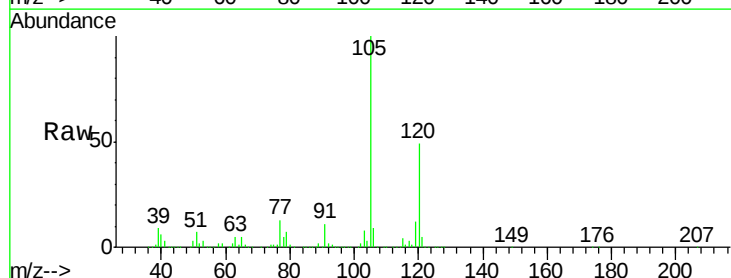
Acq: 24 Mar 2019 19:11

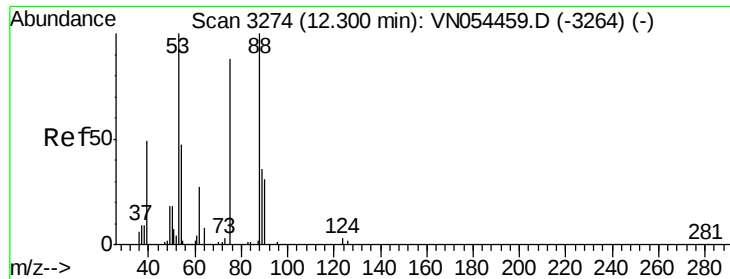
Tgt Ion: 105 Resp: 940627

Ion Ratio Lower Upper

105 100

120 48.8 25.0 75.0





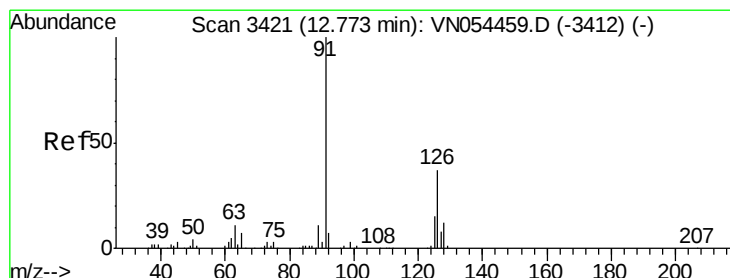
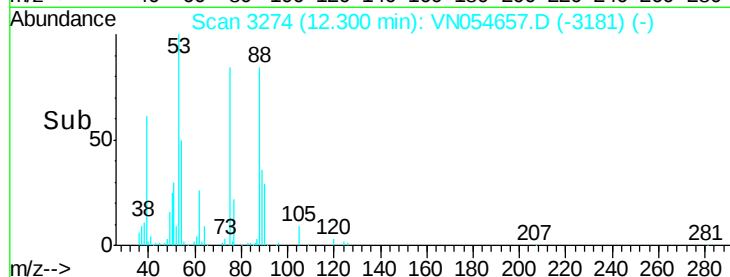
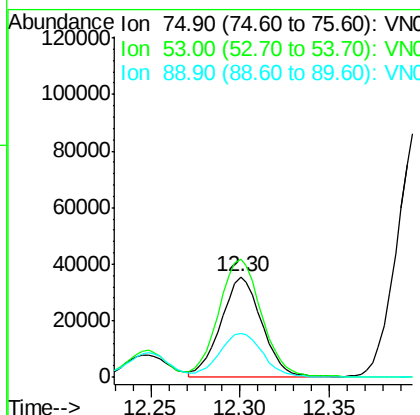
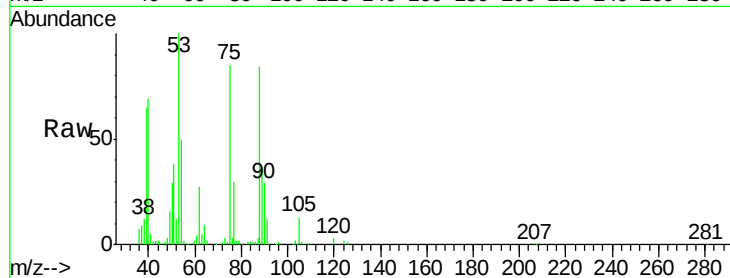
#81
trans-1,4-Dichloro-2-butene
Concen: 43.145 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.5	76.2	114.2#
89	47.7	39.2	58.8

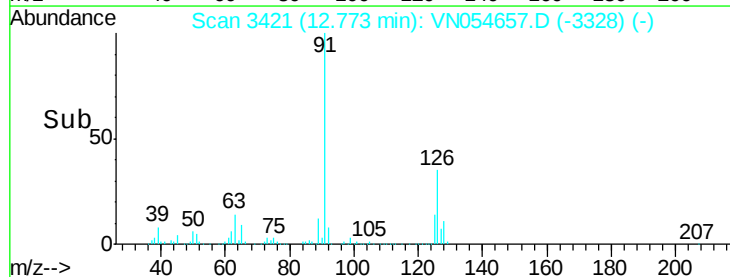
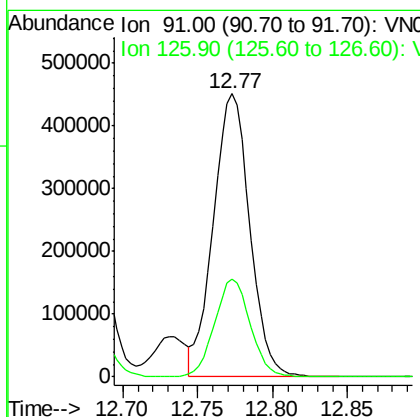
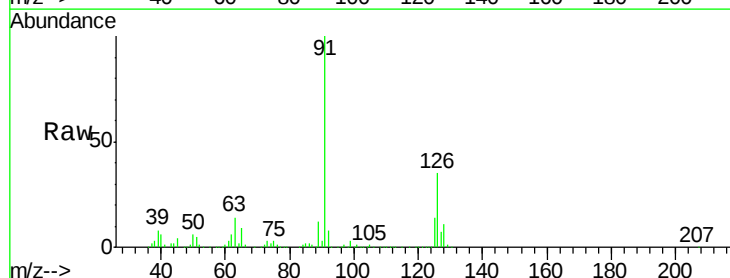
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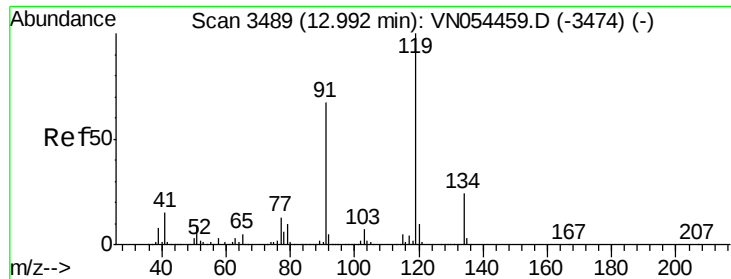
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#82
4-Chlorotoluene
Concen: 50.852 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	18.1	54.1





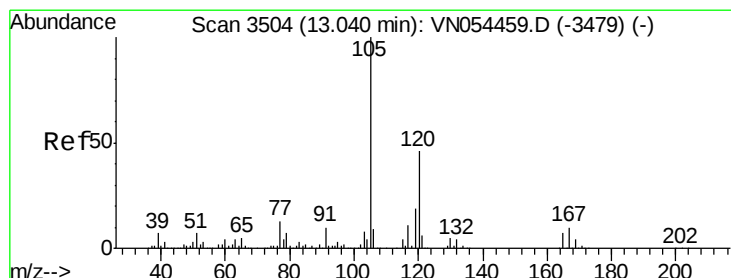
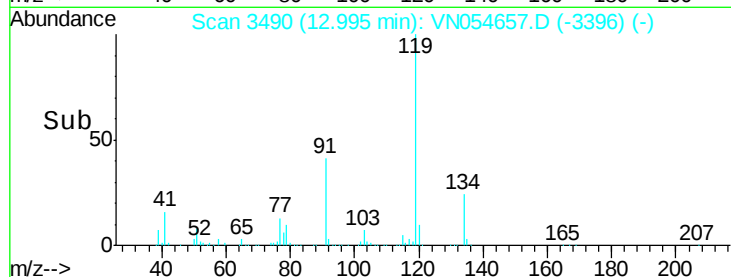
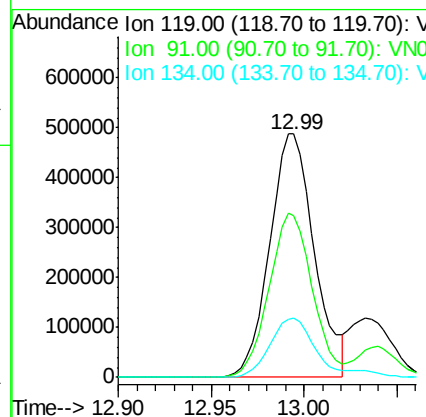
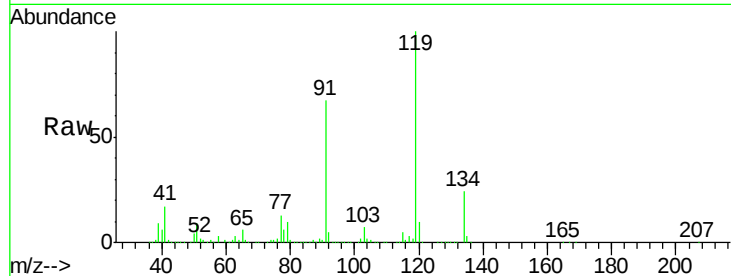
#83
 tert-Butylbenzene
 Concen: 50.119 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.9	92.8
134	26.0	13.2	39.6

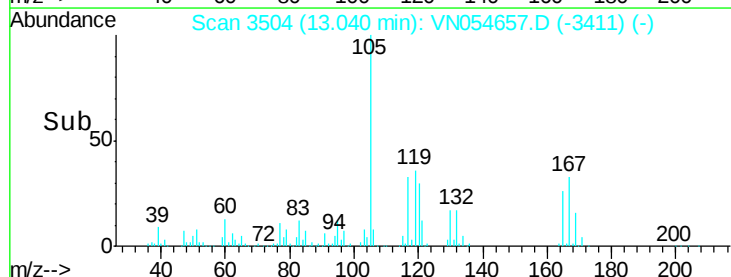
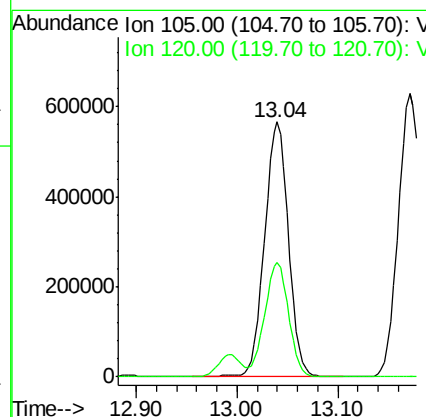
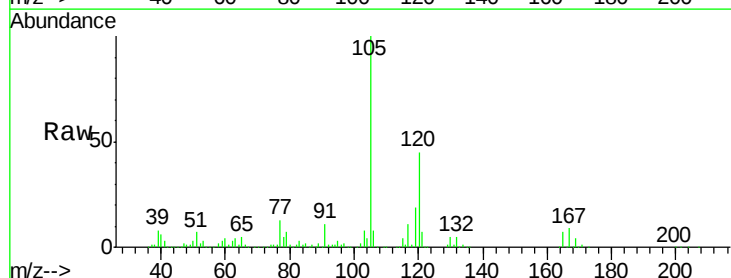
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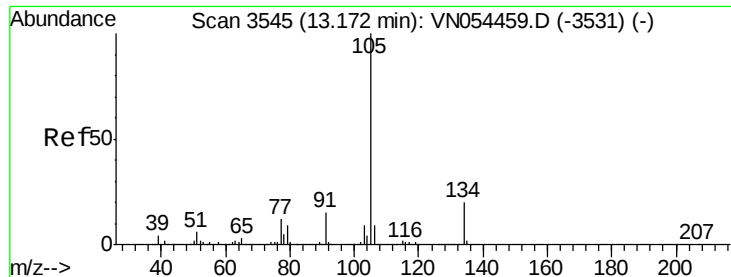
MMDadoda
 3/25/2019 9:55:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.417 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.794 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1014197

Ion Ratio Lower Upper

105 100

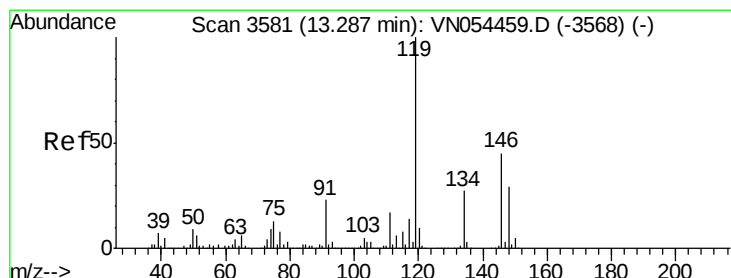
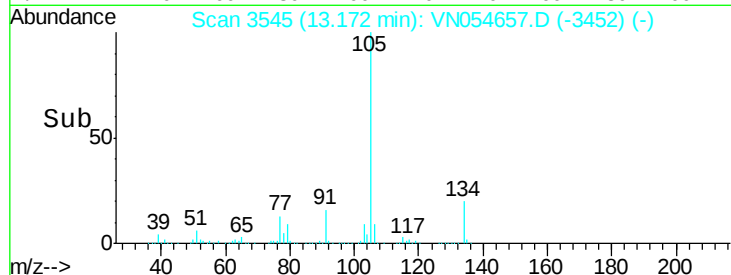
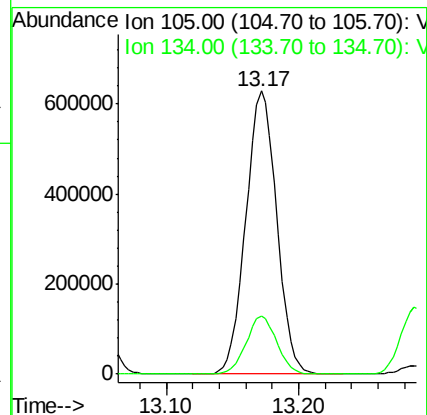
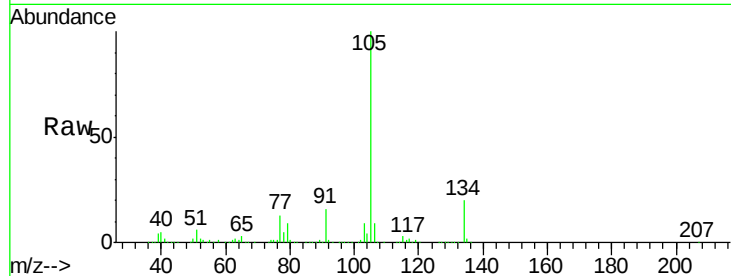
134 20.3 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 49.326 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

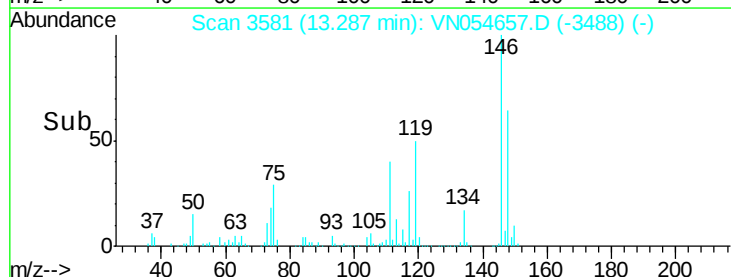
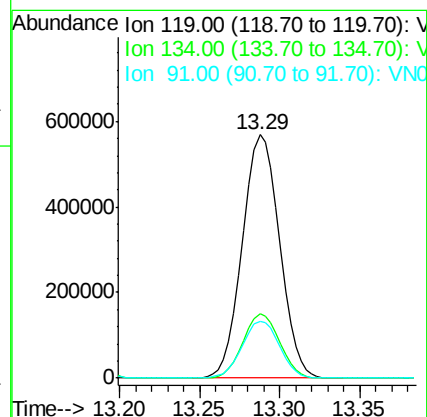
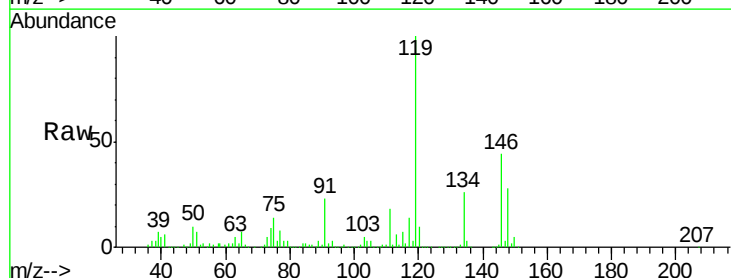
Tgt Ion:119 Resp: 898831

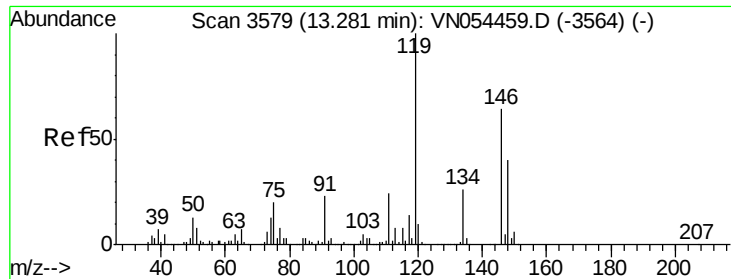
Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

91 23.6 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.964 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

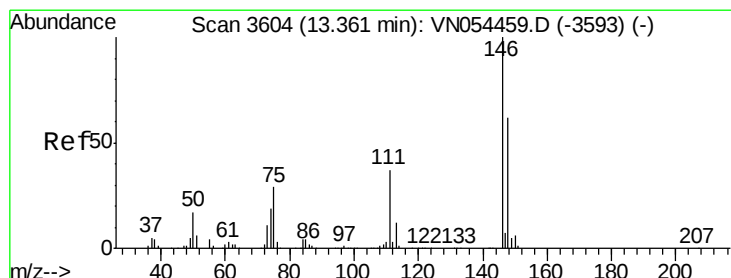
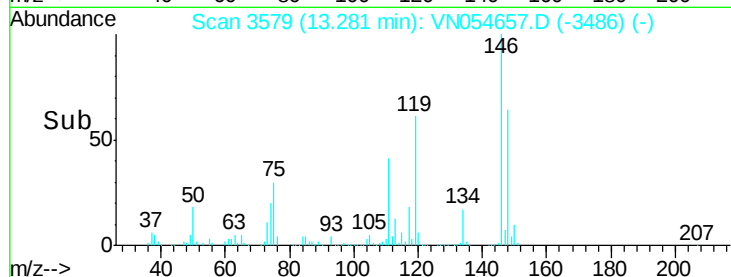
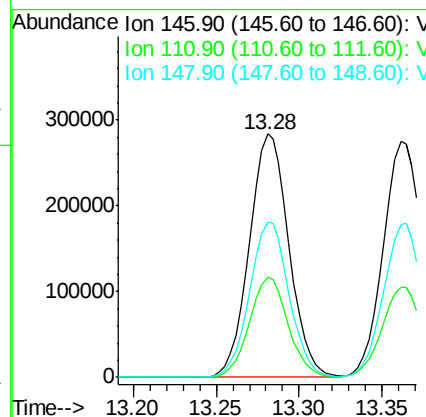
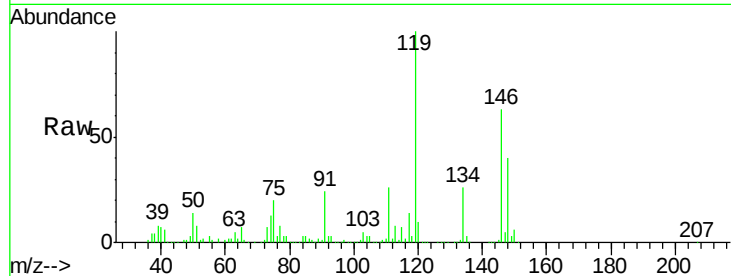
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	470306
Ion Ratio	Lower	Upper	
146	100		
111	40.3	18.8	56.3
148	63.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.122 ug/l

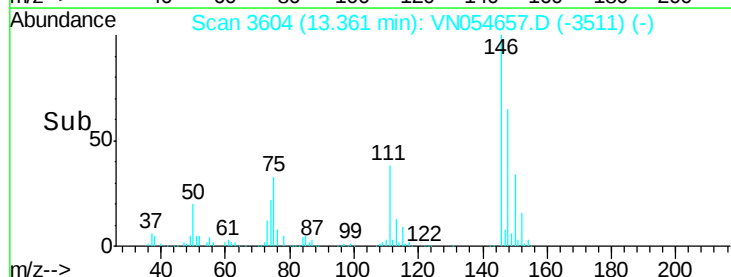
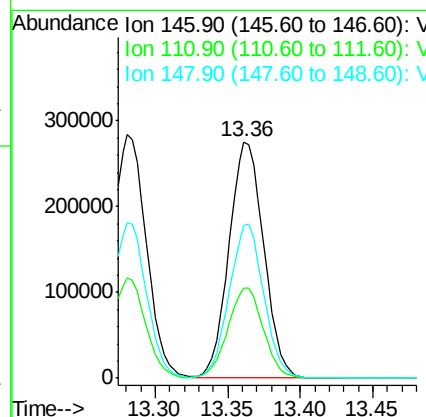
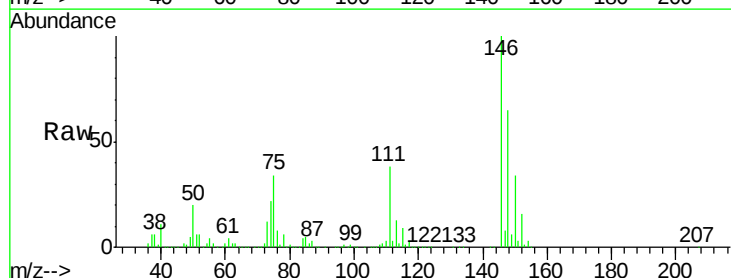
RT: 13.36 min Scan# 3604

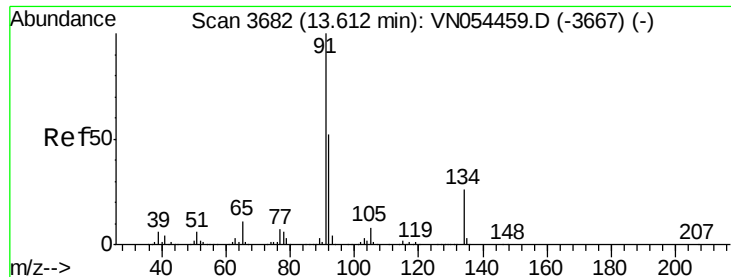
Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion:	146	Resp:	459036
Ion Ratio	Lower	Upper	
146	100		
111	38.9	18.1	54.1
148	64.6	32.0	96.0





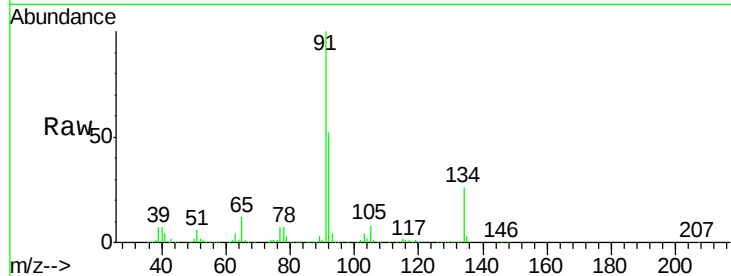
#89
n-Butylbenzene
Concen: 49.947 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.6
134	26.1	14.3	42.9

Manual Integrations
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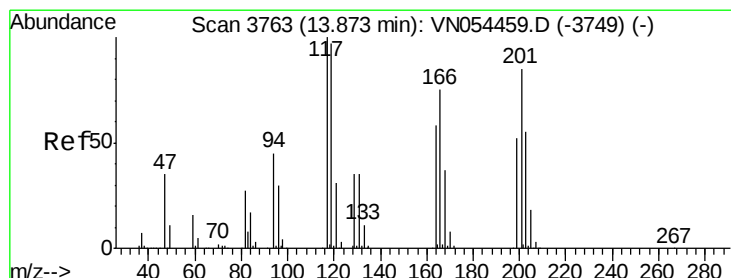
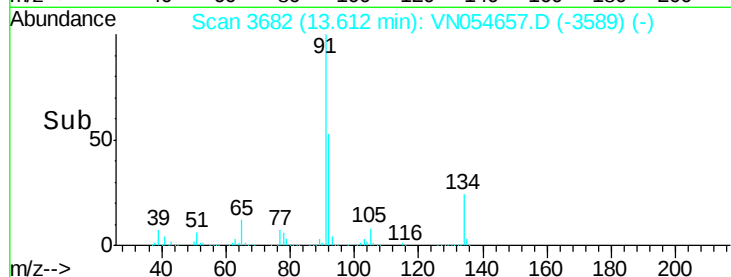
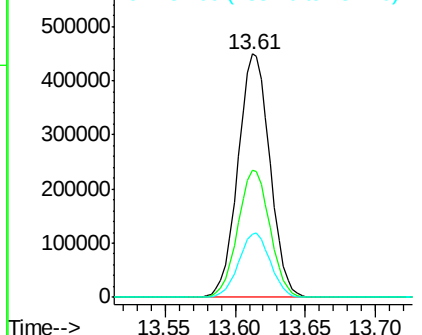


Abundance

Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

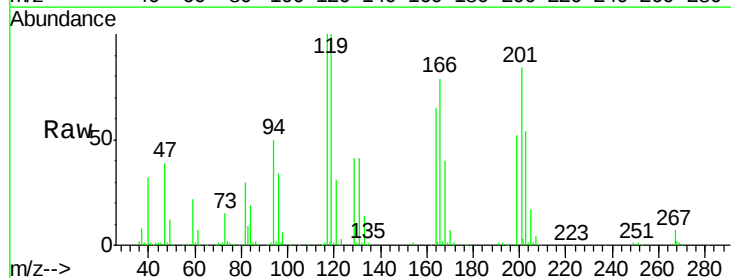
Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90
Hexachloroethane
Concen: 50.691 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054657.D
Acq: 24 Mar 2019 19:11

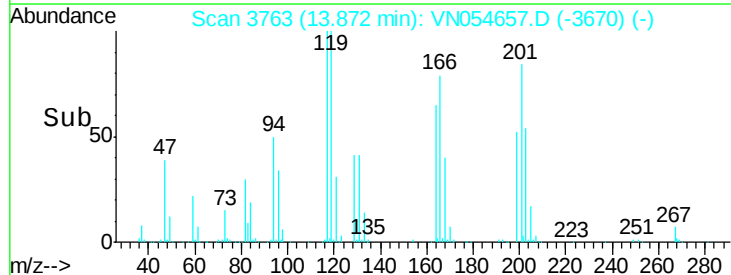
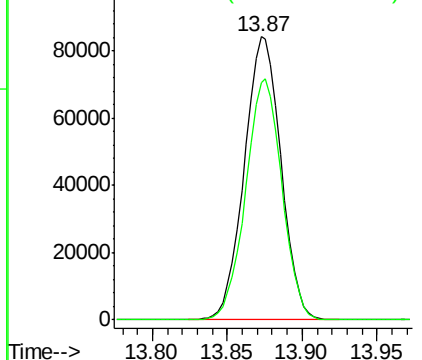
Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	48.1	144.4

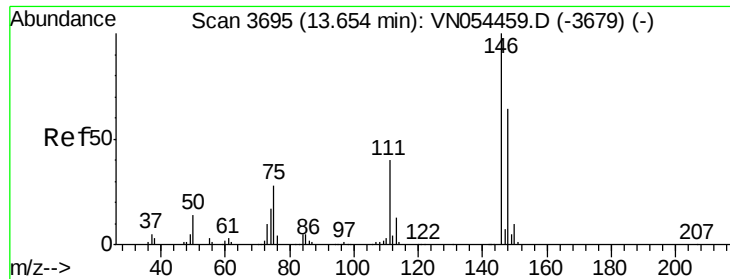


Abundance

Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)





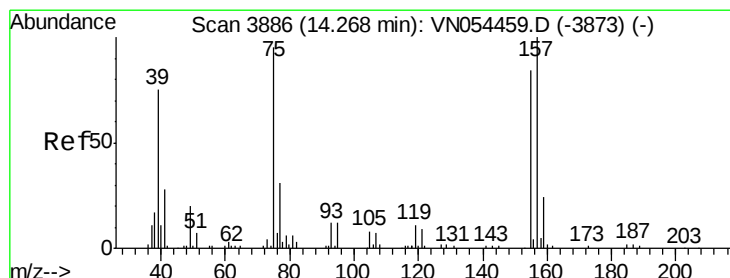
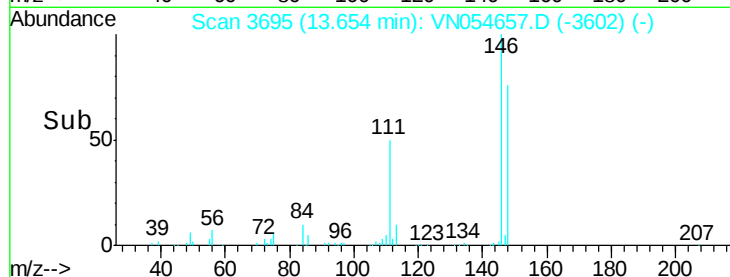
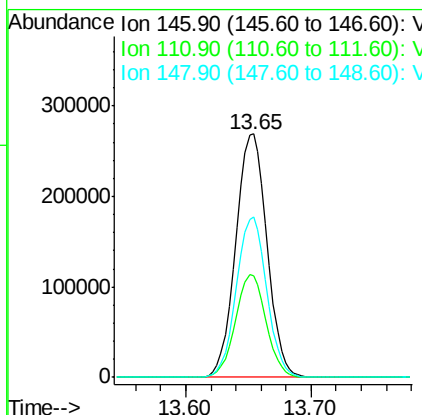
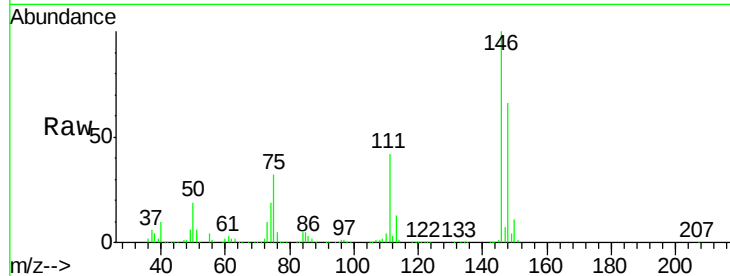
#91
 1,2-Dichlorobenzene
 Concen: 51.025 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.1	57.3
148	64.2	32.4	97.0

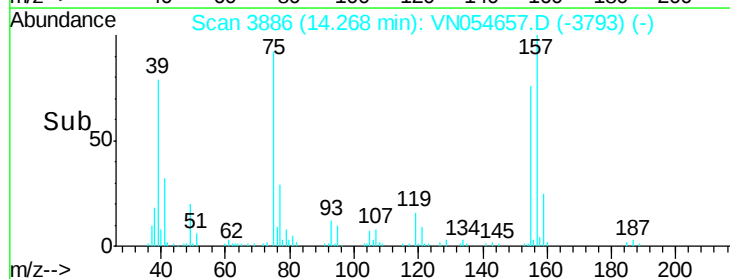
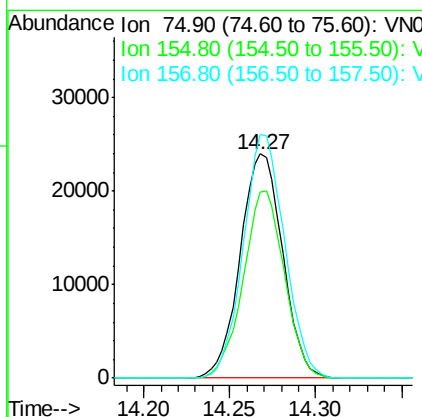
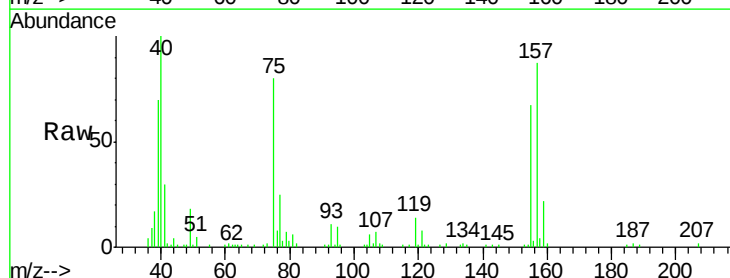
Manual Integrations
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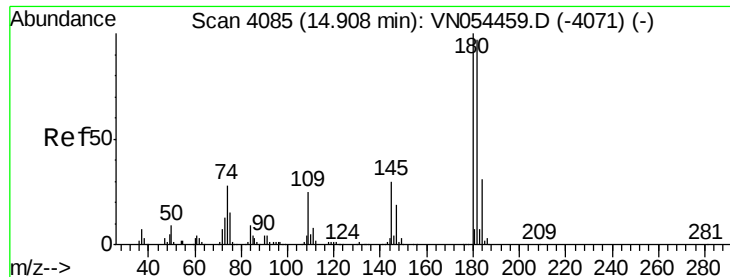
MMDadoda
 3/25/2019 9:55:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.551 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	50.1	150.3
157	105.6	63.1	189.3





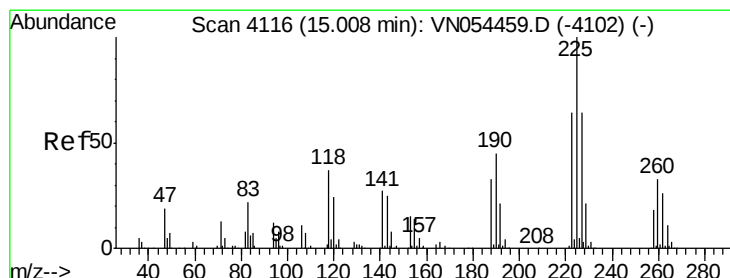
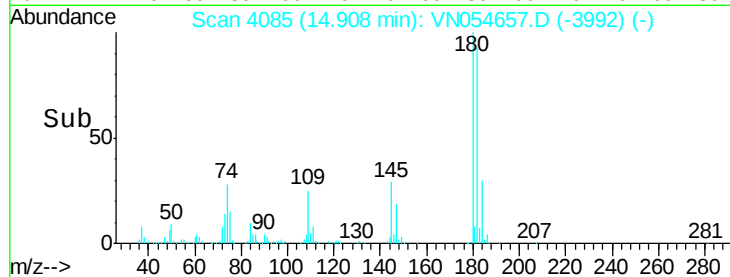
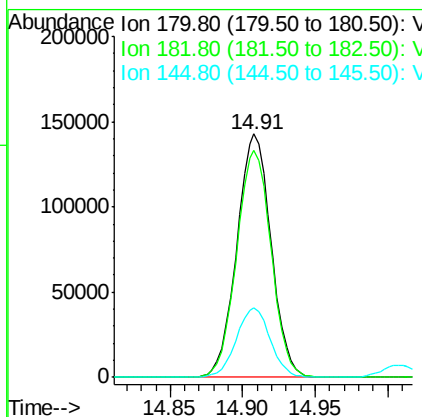
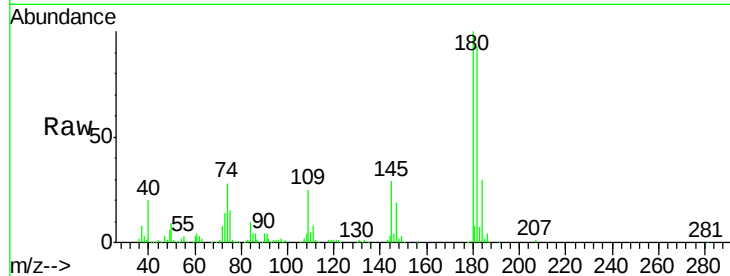
#93
 1,2,4-Trichlorobenzene
 Concen: 51.387 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	233554
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.0	144.2
145	28.5	14.2	42.8

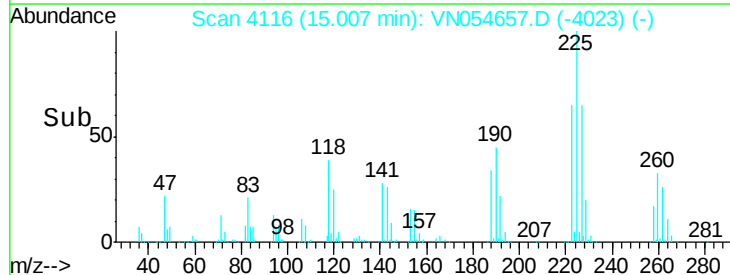
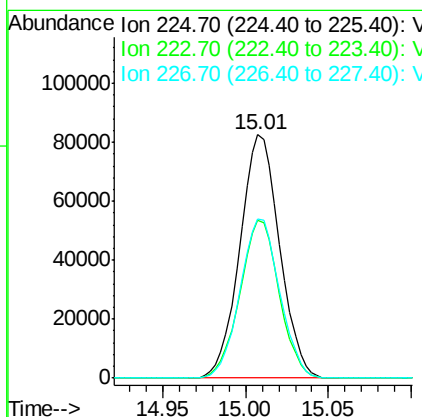
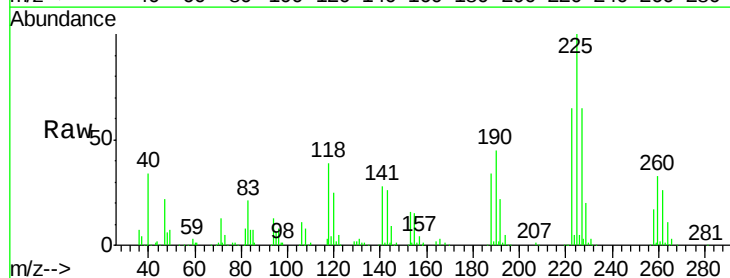
Manual Integrations
 APPROVED

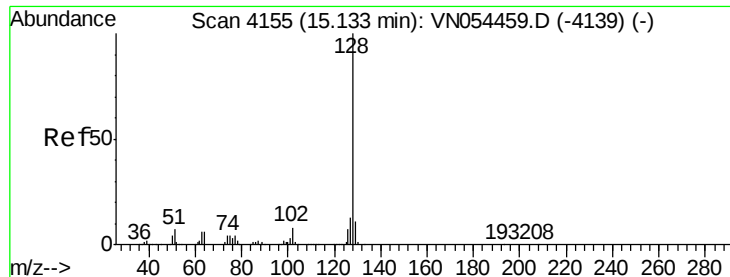
MMDadoda
 3/25/2019 9:55:20 AM



#94
 Hexachlorobutadiene
 Concen: 53.977 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054657.D
 Acq: 24 Mar 2019 19:11

Tgt Ion:	225	Resp:	137333
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.1	93.5
227	65.1	31.9	95.9





#95

Naphthalene

Concen: 51.459 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Instrument :

MSVOA_N

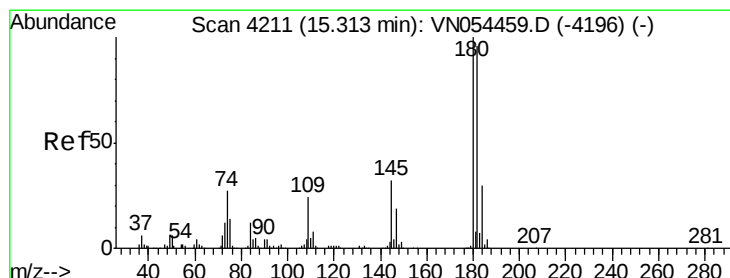
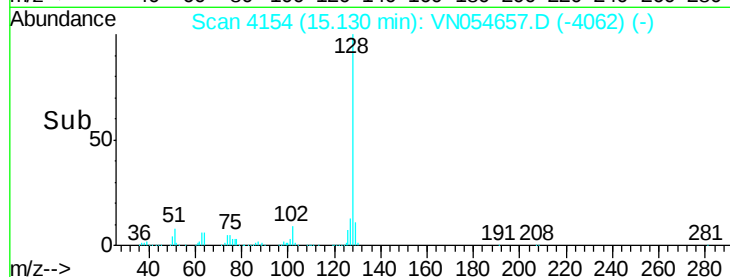
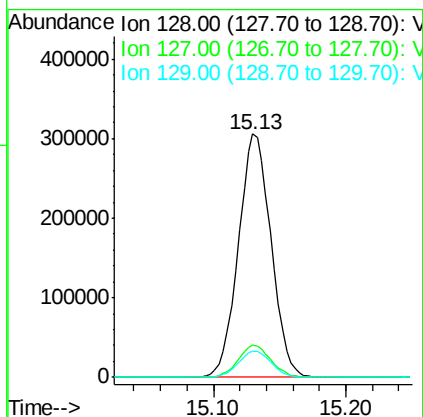
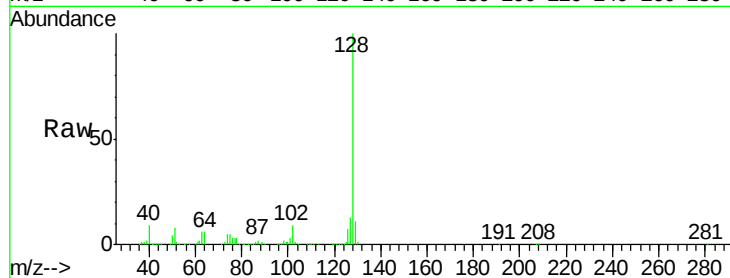
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	521685
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.869 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054657.D

Acq: 24 Mar 2019 19:11

Tgt Ion:	180	Resp:	230106
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.5	142.6
145	30.9	14.8	44.3

