

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051174.D
 Acq On : 14 Sep 2018 8:23
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:39:32 PM

Quant Time: Sep 14 14:53:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	612046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	834750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	392759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	324782	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	7.59	113	326756	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.09	98	1227081	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	411088	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	260389	44.12	ug/l	100
3) Chloromethane	2.06	50	339010	44.41	ug/l	98
4) Vinyl Chloride	2.18	62	352227	43.48	ug/l	98
5) Bromomethane	2.56	94	201766	44.02	ug/l	99
6) Chloroethane	2.70	64	213679	42.73	ug/l	98
7) Trichlorofluoromethane	3.01	101	493494	45.97	ug/l	99
8) Diethyl Ether	3.41	74	173640	43.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	319765	46.21	ug/l	98
10) Methyl Iodide	3.95	142	256771	40.84	ug/l	99
11) Tert butyl alcohol	4.78	59	87341	167.88	ug/l	98
12) 1,1-Dichloroethene	3.73	96	284544	43.58	ug/l	97
13) Acrolein	3.61	56	83936	143.62	ug/l	98
14) Allyl chloride	4.32	41	446266	44.86	ug/l	99
15) Acrylonitrile	4.99	53	482500	209.30	ug/l	99
16) Acetone	3.82	43	389860	231.05	ug/l	99
17) Carbon Disulfide	4.05	76	816541	42.45	ug/l	99
18) Methyl Acetate	4.32	43	232575	42.64	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	758617	43.96	ug/l	99
20) Methylene Chloride	4.55	84	335021	44.53	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	312542	44.14	ug/l	98
22) Diisopropyl ether	5.95	45	959449	48.59	ug/l	97
23) Vinyl Acetate	5.89	43	3016275	225.74	ug/l	99
24) 1,1-Dichloroethane	5.85	63	574582	45.87	ug/l	99
25) 2-Butanone	6.83	43	544443	203.31	ug/l	98
26) 2,2-Dichloropropane	6.82	77	478790	46.70	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	353431	45.50	ug/l	99
28) Bromochloromethane	7.19	49	259095	46.47	ug/l	99
29) Tetrahydrofuran	7.21	42	340591	203.67	ug/l	99
30) Chloroform	7.37	83	589499	47.30	ug/l	98
31) Cyclohexane	7.65	56	503405	45.05	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	501624	47.24	ug/l	100
36) 1,1-Dichloropropene	7.79	75	446131	48.68	ug/l	100
37) Ethyl Acetate	6.93	43	234192	44.12	ug/l	100
38) Carbon Tetrachloride	7.77	117	452277	50.14	ug/l	100

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Manual Integrations
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Quant Time: Sep 14 14:53:50 2018
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	501005	49.55	ug/l	98
40) Benzene	8.04	78	1350150	48.89	ug/l	98
41) Methacrylonitrile	7.18	41	134095	48.96	ug/l #	84
42) 1,2-Dichloroethane	8.12	62	394426	49.00	ug/l	98
43) Isopropyl Acetate	8.16	43	419185	44.76	ug/l	99
44) Trichloroethene	8.83	130	364288	48.23	ug/l	99
45) 1,2-Dichloropropane	9.12	63	355580	49.83	ug/l	98
46) Dibromomethane	9.21	93	202217	46.44	ug/l	99
47) Bromodichloromethane	9.40	83	445466	50.32	ug/l	100
48) Methyl methacrylate	9.20	41	204692	44.85	ug/l	98
49) 1,4-Dioxane	9.20	88	58729	820.57	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1148202	221.69	ug/l	100
52) Toluene	10.16	92	845739	50.22	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	439233	49.57	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	520029	50.06	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	298214	48.75	ug/l	99
56) Ethyl methacrylate	10.43	69	354169	43.48	ug/l	99
57) 1,3-Dichloropropane	10.71	76	490639	48.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	716570	210.23	ug/l	99
59) 2-Hexanone	10.75	43	761981	216.94	ug/l	99
60) Dibromochloromethane	10.90	129	347980	50.47	ug/l	100
61) 1,2-Dibromoethane	11.00	107	285949	47.82	ug/l	100
64) Tetrachloroethene	10.63	164	335257	47.97	ug/l	99
65) Chlorobenzene	11.43	112	941030	48.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	347307	49.96	ug/l	99
67) Ethyl Benzene	11.51	91	1579799	50.52	ug/l	100
68) m/p-Xylenes	11.62	106	1248970	103.96	ug/l	100
69) o-Xylene	11.95	106	599252	51.51	ug/l	100
70) Styrene	11.96	104	971484	53.83	ug/l	100
71) Bromoform	12.13	173	237826	48.59	ug/l #	100
73) Isopropylbenzene	12.25	105	1593423	48.38	ug/l	100
74) N-amyl acetate	12.07	43	337761	40.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	355897	47.00	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	273738m	44.80	ug/l	
77) Bromobenzene	12.53	156	403723	45.63	ug/l	98
78) n-propylbenzene	12.59	91	1800285	49.73	ug/l	100
79) 2-Chlorotoluene	12.67	91	1069822	47.28	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1319864	49.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	86447	41.80	ug/l	98
82) 4-Chlorotoluene	12.77	91	1068868	47.58	ug/l	99
83) tert-Butylbenzene	12.99	119	1148056	48.83	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1337450	51.08	ug/l	100
85) sec-Butylbenzene	13.17	105	1507353	49.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	1333271	52.15	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	708687	47.22	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	685529	49.75	ug/l	100
89) n-Butylbenzene	13.61	91	1035811	52.06	ug/l	100
90) Hexachloroethane	13.87	117	238095	51.17	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	674923	46.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44915	40.06	ug/l	99

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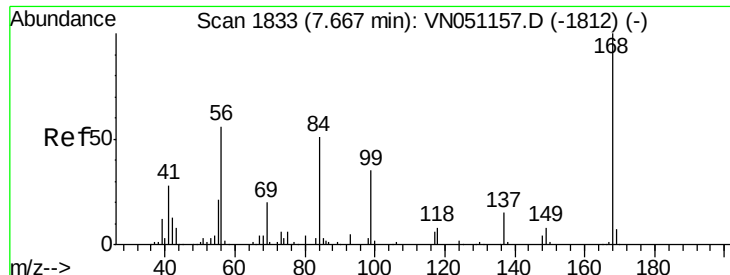
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	293854	42.25	ug/l	99
94) Hexachlorobutadiene	15.01	225	231534	54.48	ug/l	99
95) Naphthalene	15.13	128	508580	36.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	285663	42.76	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 612046

Ion Ratio Lower Upper

168 100

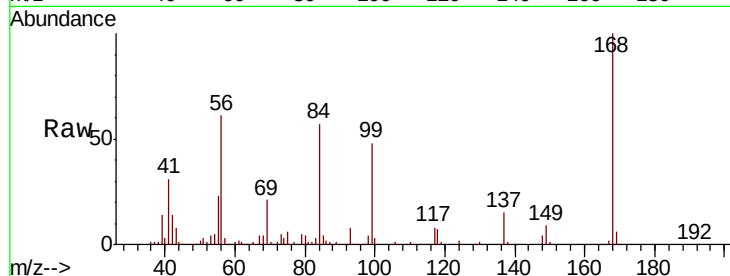
99 48.0 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

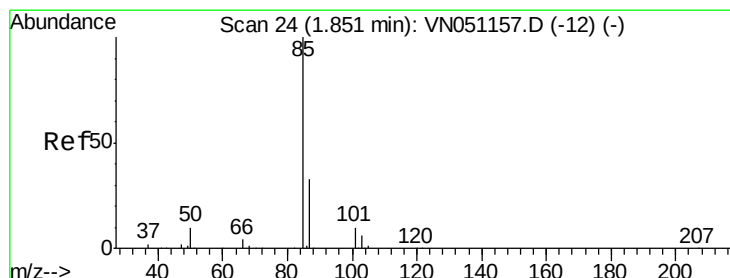
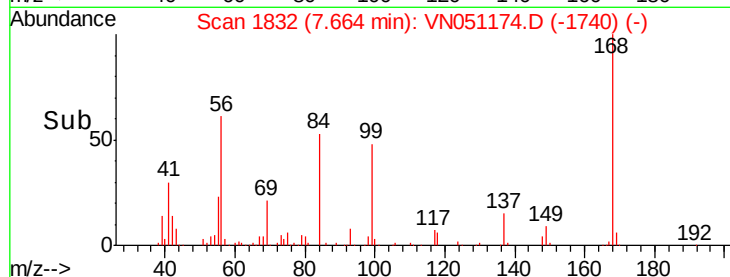
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.12 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051174.D

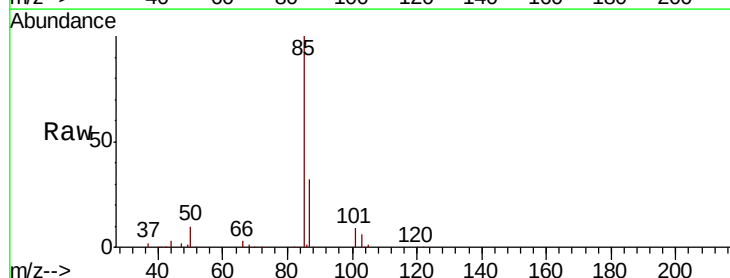
Acq: 14 Sep 2018 8:23

Tgt Ion: 85 Resp: 260389

Ion Ratio Lower Upper

85 100

87 31.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

150000

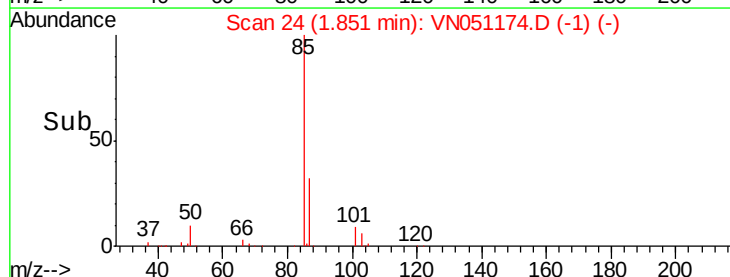
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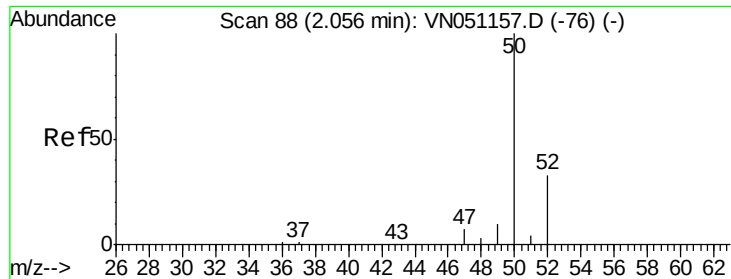
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.41 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 339010

Ion Ratio Lower Upper

50 100

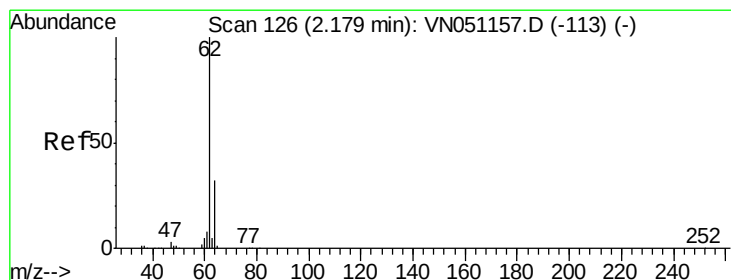
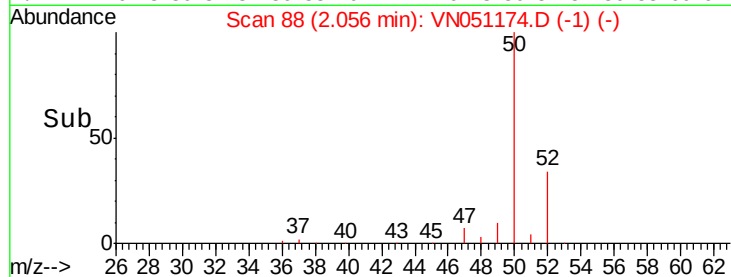
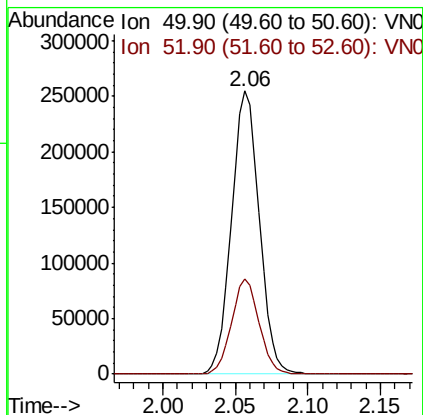
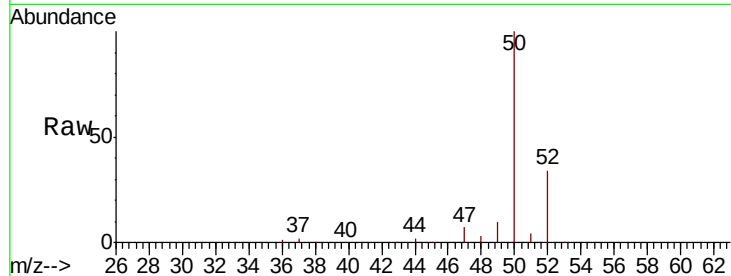
52 33.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.48 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051174.D

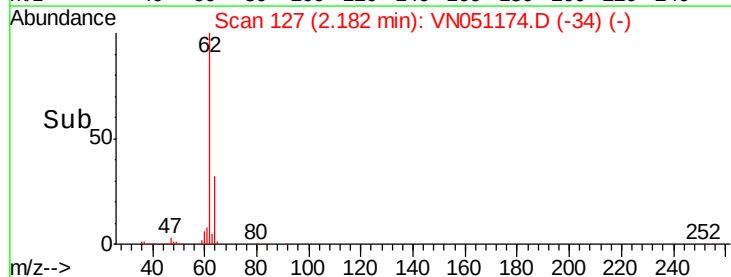
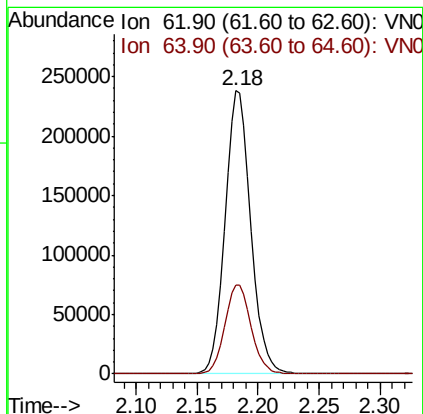
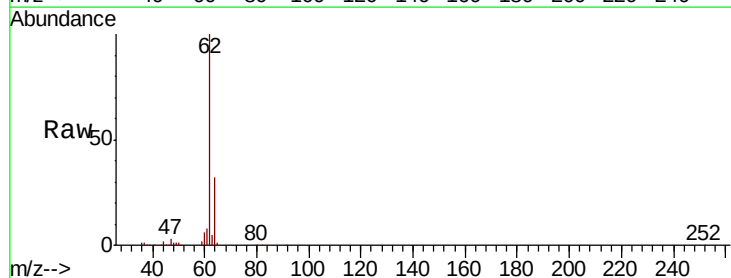
Acq: 14 Sep 2018 8:23

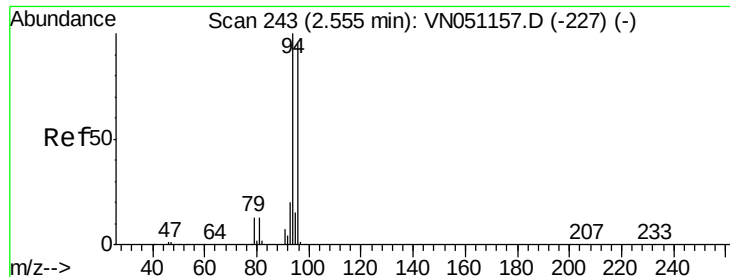
Tgt Ion: 62 Resp: 352227

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.4





#5

Bromomethane

Concen: 44.02 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 201766

Ion Ratio Lower Upper

94 100

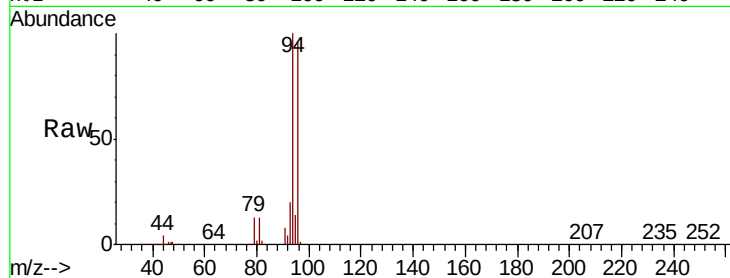
96 96.1 75.9 113.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN051174.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051174.D (-153) (-)

2.56

100000

80000

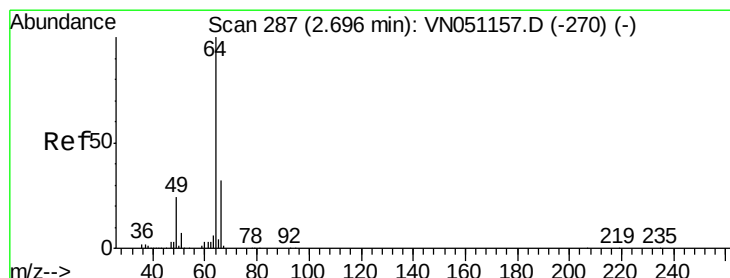
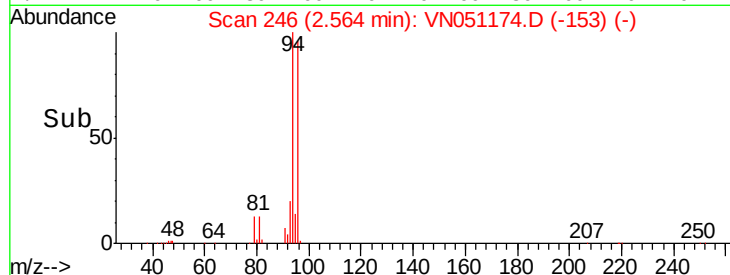
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 42.73 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051174.D

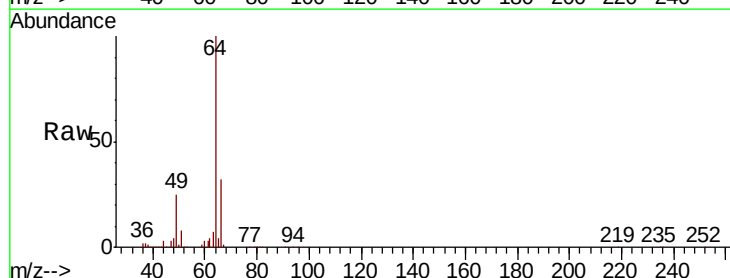
Acq: 14 Sep 2018 8:23

Tgt Ion: 64 Resp: 213679

Ion Ratio Lower Upper

64 100

66 31.5 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN051174.D (-195) (-)

Ion 65.90 (65.60 to 66.60): VN051174.D (-195) (-)

2.70

120000

100000

80000

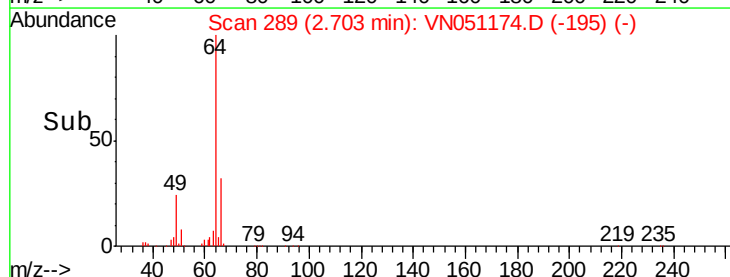
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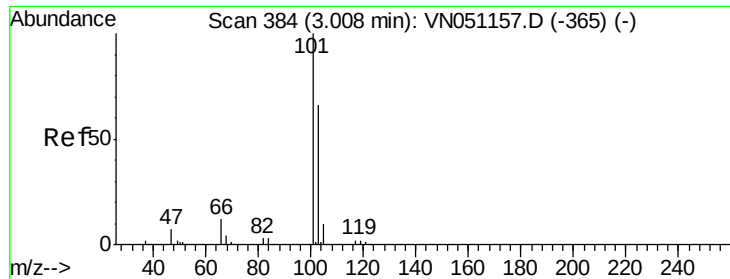
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20000

0

Time-->





#7

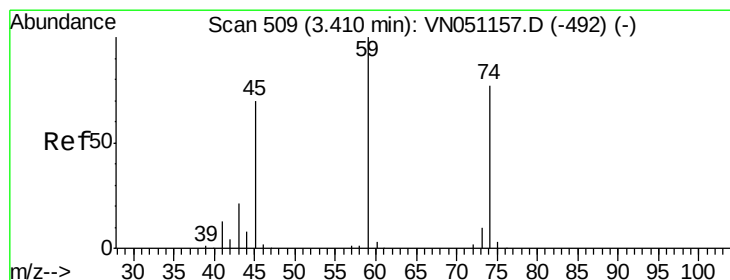
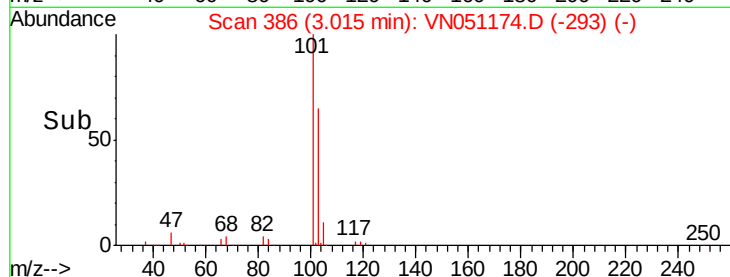
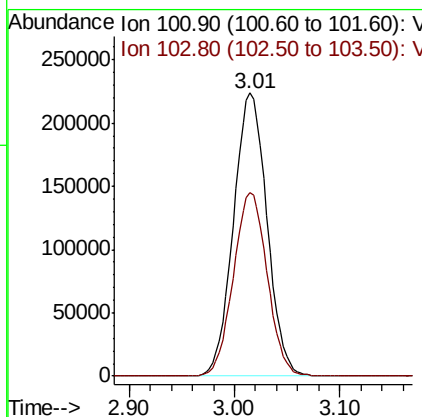
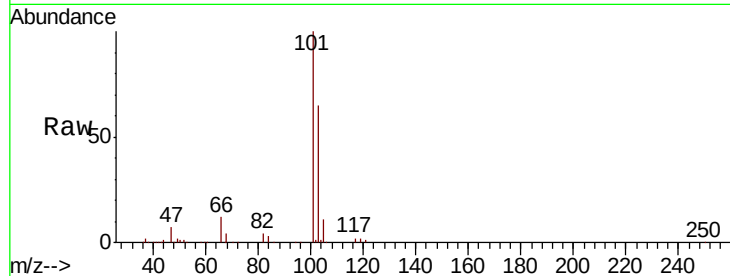
Trichlorofluoromethane
Concen: 45.97 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.4	78.6

Manual Integrations
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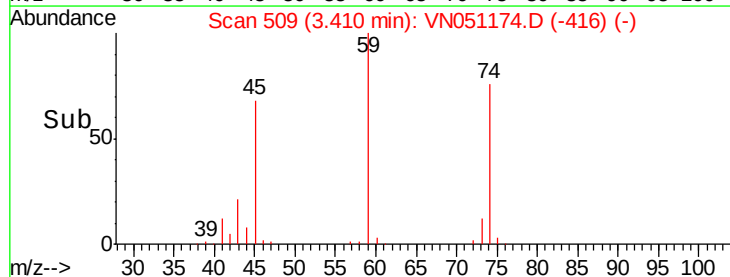
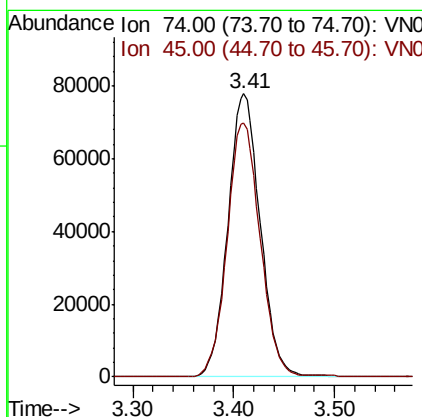
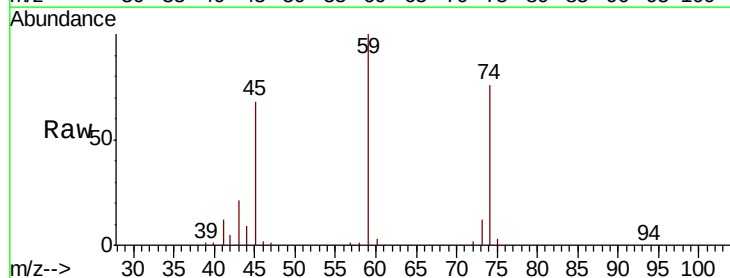
MMDadoda
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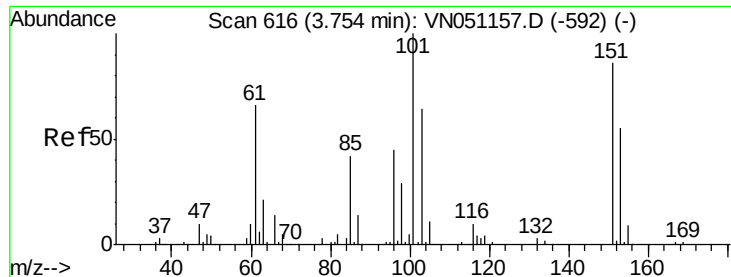


#8

Diethyl Ether
Concen: 43.98 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.21 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

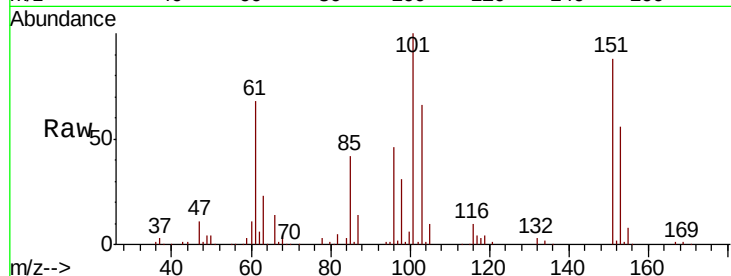
ClientSampled :

VSTDCCC050

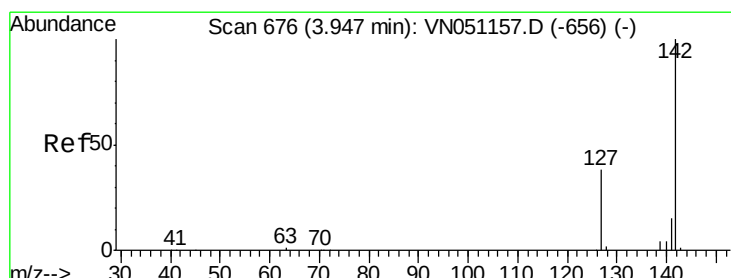
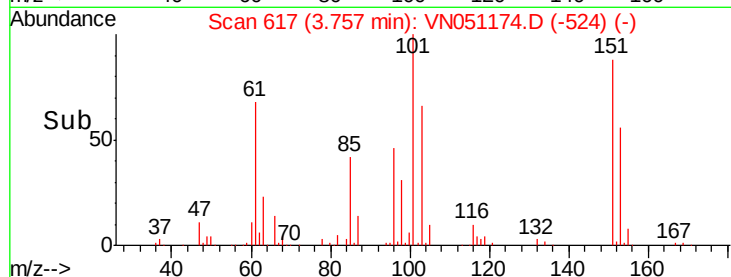
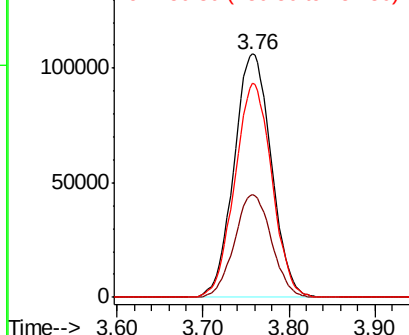
Tot Ion:	101	Resp:	319765
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.3	49.9
151	87.5	68.2	102.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.84 ug/l

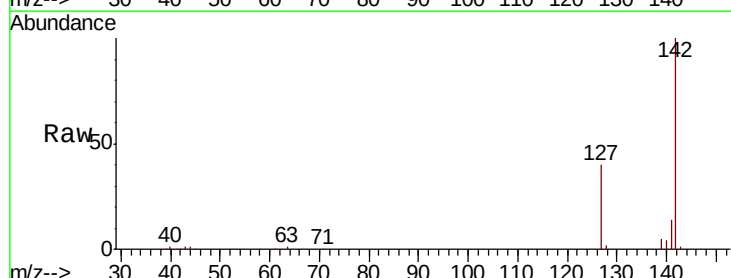
RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

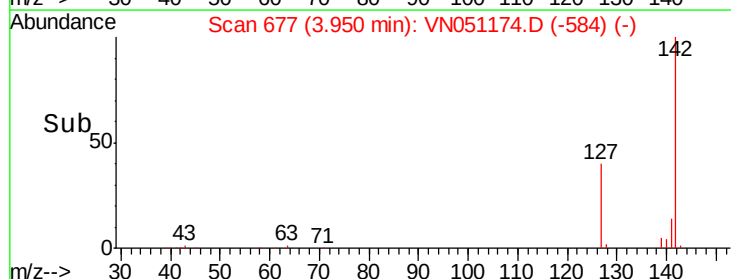
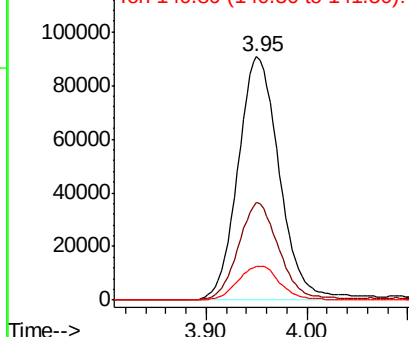
Lab File: VN051174.D

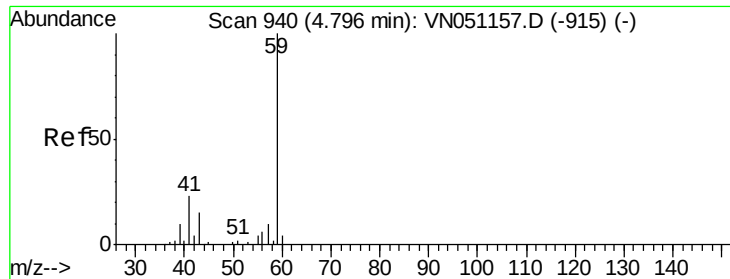
Acq: 14 Sep 2018 8:23

Tgt Ion:	142	Resp:	256771
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.0	46.4
141	14.3	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





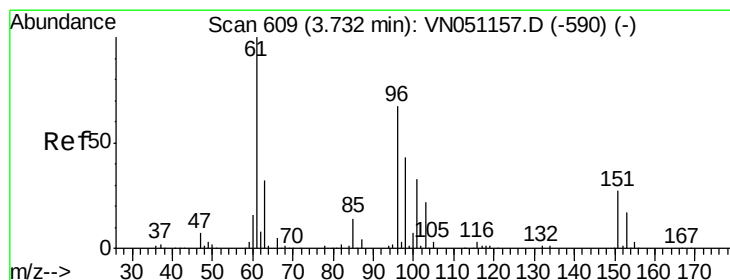
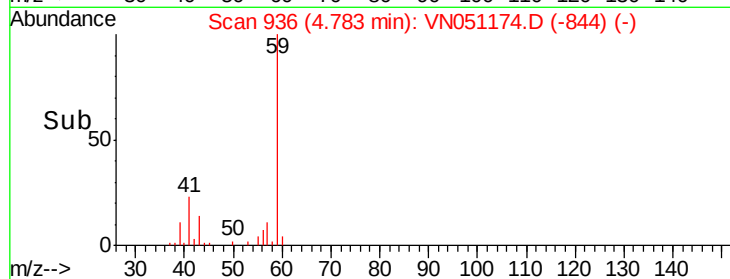
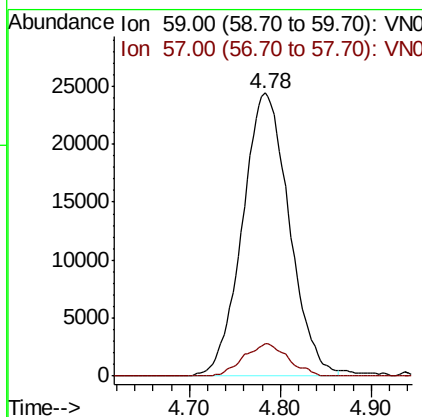
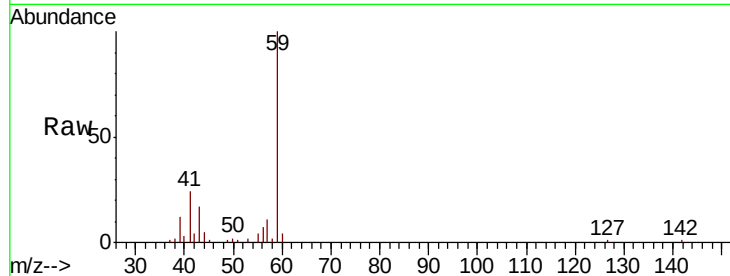
#11
Tert butyl alcohol
Concen: 167.88 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.1	12.1

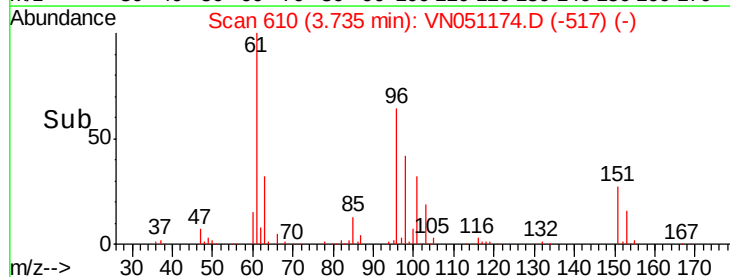
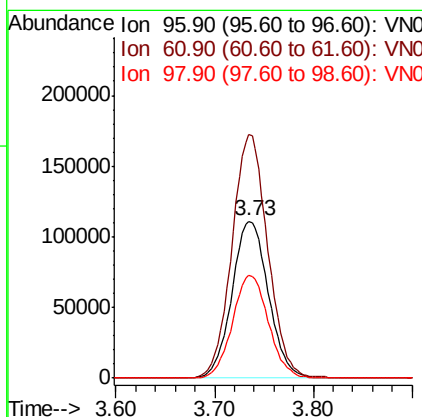
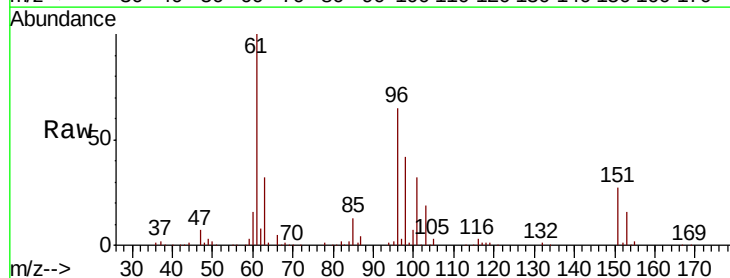
Manual Integrations
APPROVED

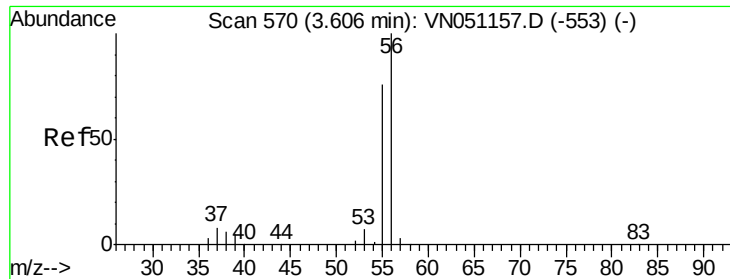
MMDadoda
9/17/2018 1:39:32 PM



#12
1,1-Dichloroethene
Concen: 43.58 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	120.3	180.5
98	65.2	50.8	76.2





#13

Acrolein

Concen: 143.62 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 83936

Ion Ratio Lower Upper

56 100

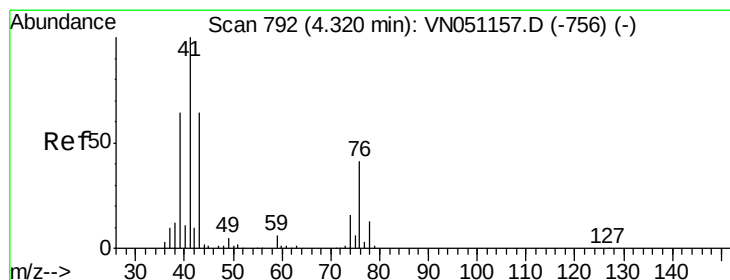
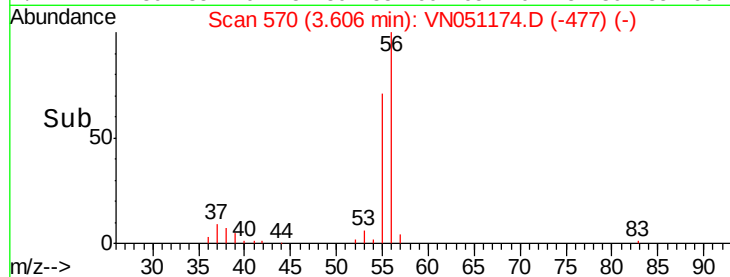
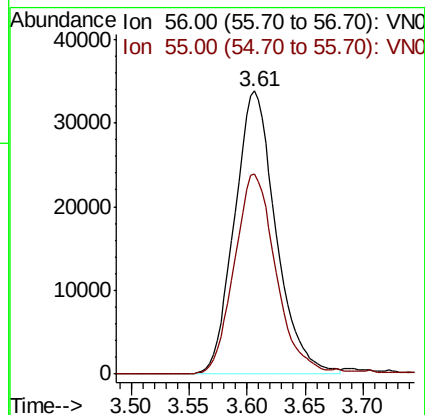
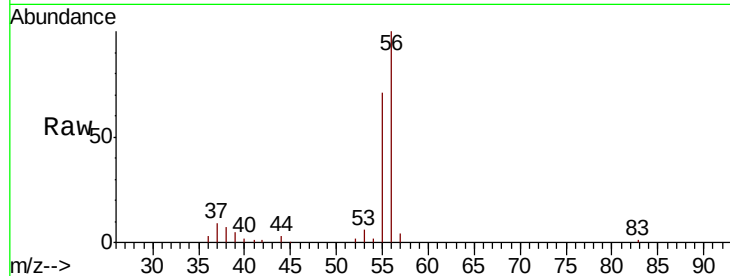
55 70.8 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 44.86 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

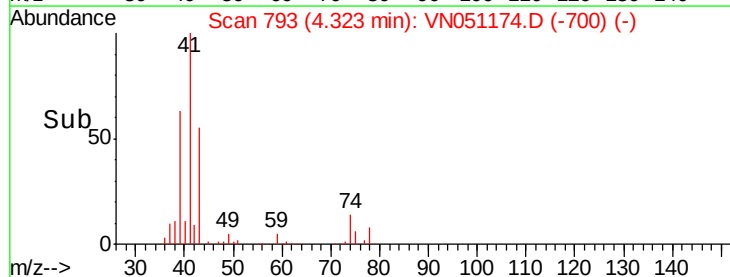
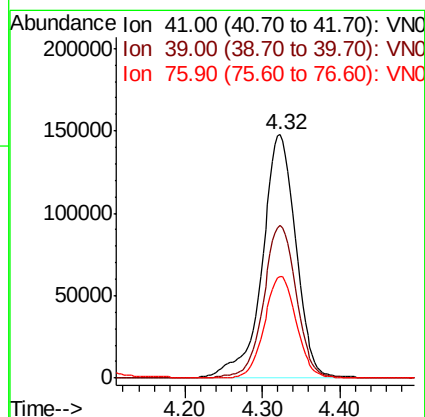
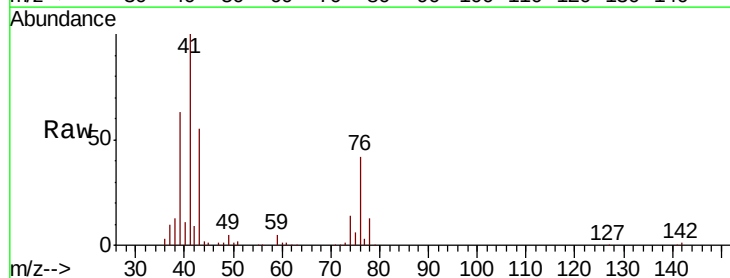
Tgt Ion: 41 Resp: 446266

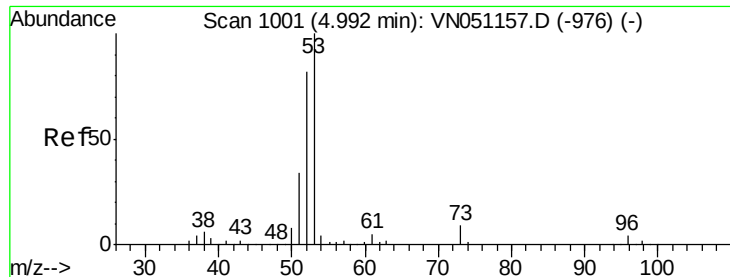
Ion Ratio Lower Upper

41 100

39 61.1 48.8 73.2

76 38.9 30.6 45.8





#15

Acrylonitrile

Concen: 209.30 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

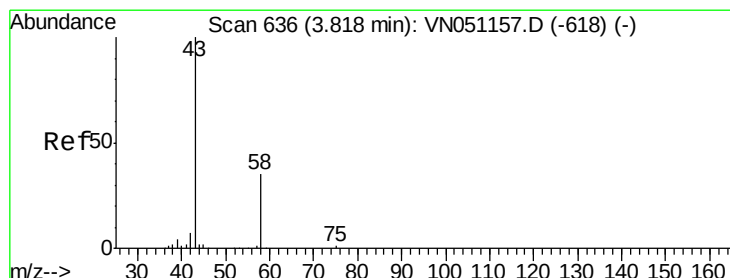
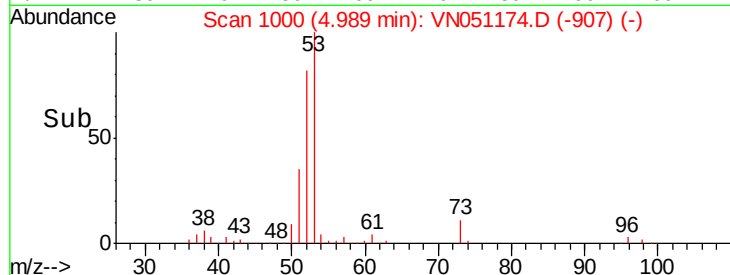
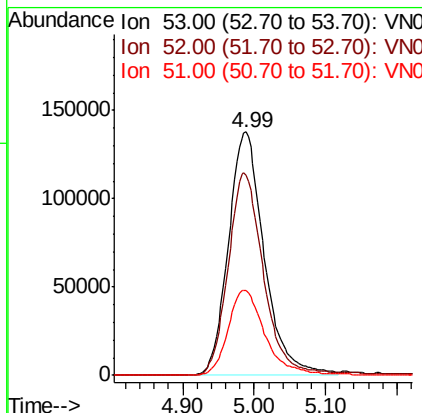
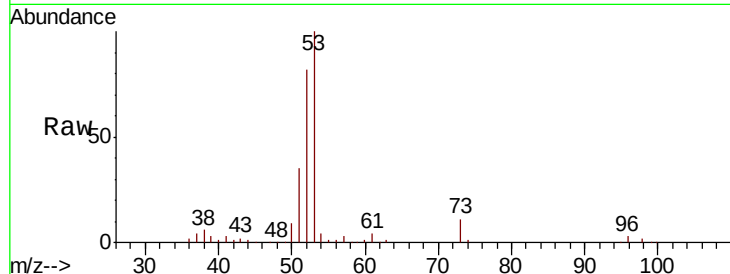
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	482500
Ion Ratio		Lower	Upper
53	100		
52	82.5	65.3	97.9
51	36.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 231.05 ug/l

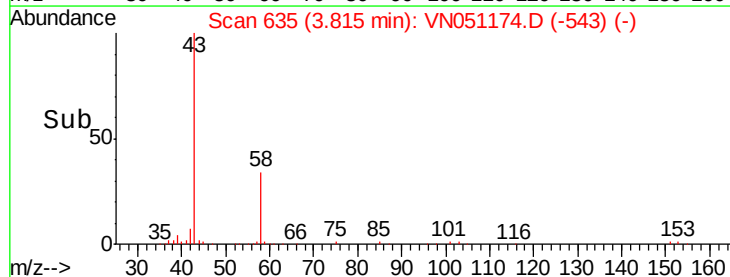
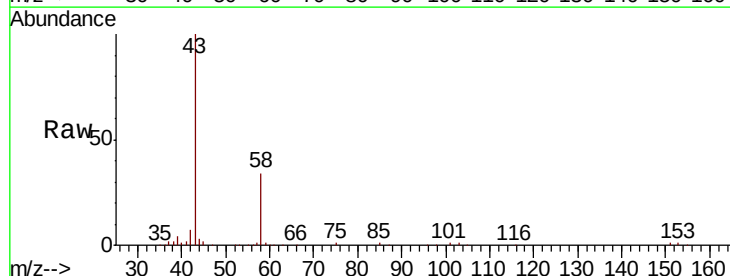
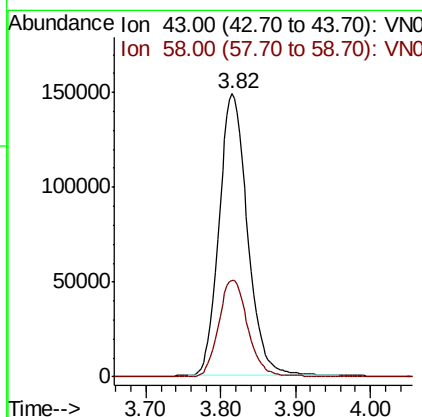
RT: 3.82 min Scan# 635

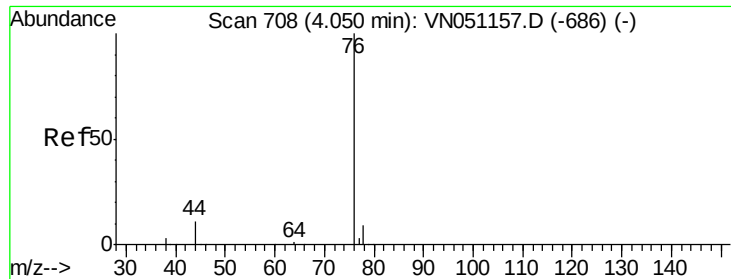
Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Tgt Ion:	43	Resp:	389860
Ion Ratio		Lower	Upper
43	100		
58	34.3	27.8	41.6





#17

Carbon Disulfide

Concen: 42.45 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 816541

Ion Ratio Lower Upper

76 100

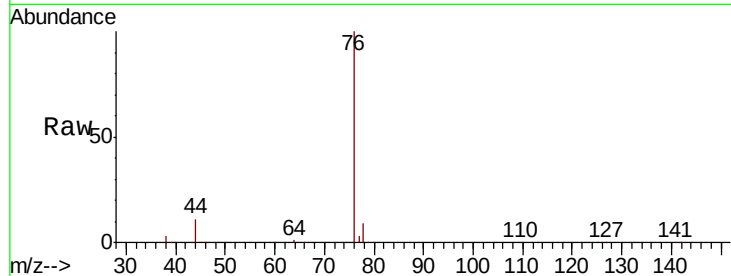
78 9.3 7.0 10.6

Manual Integrations

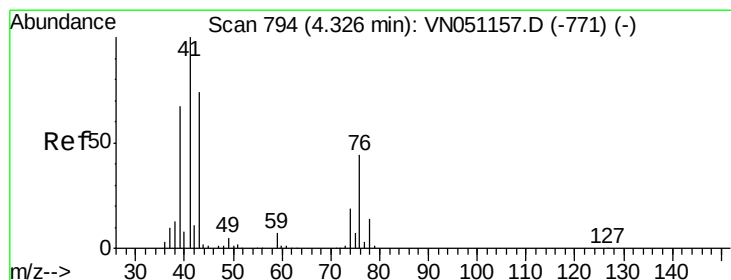
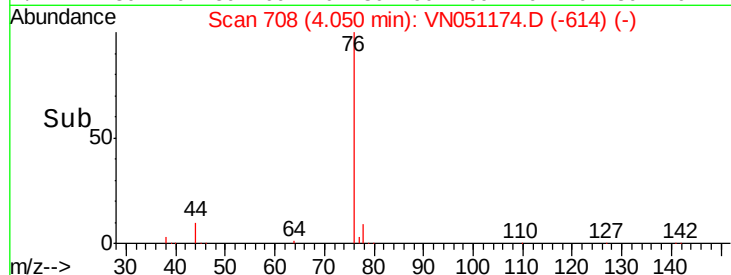
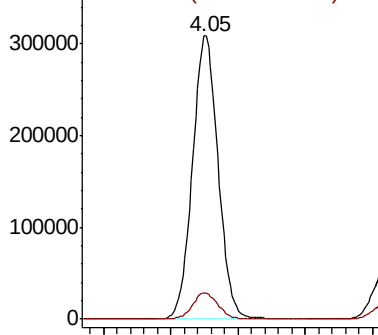
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 42.64 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051174.D

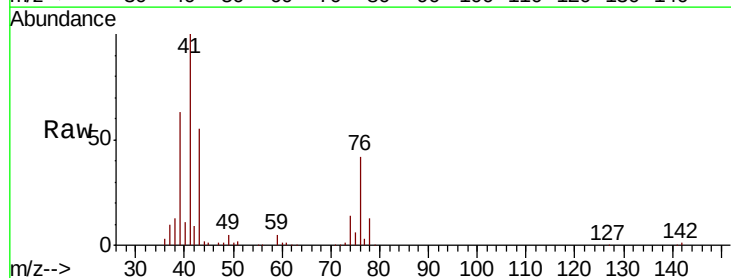
Acq: 14 Sep 2018 8:23

Tgt Ion: 43 Resp: 232575

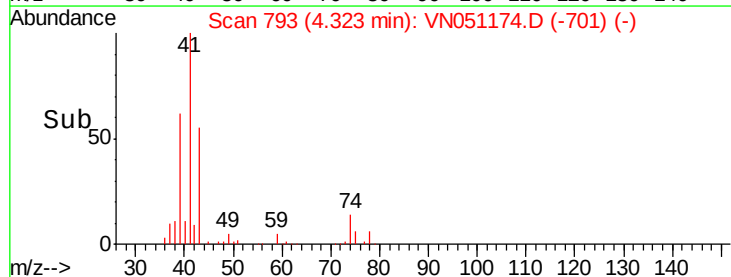
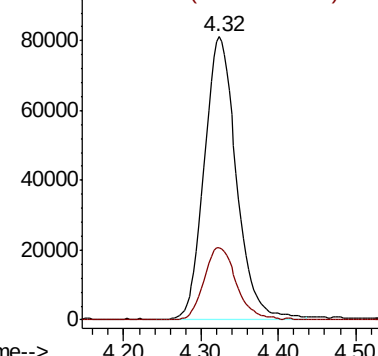
Ion Ratio Lower Upper

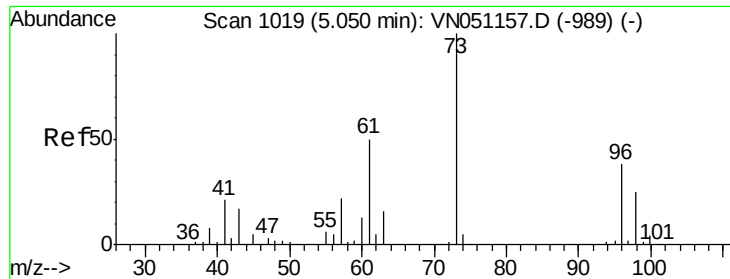
43 100

74 25.9 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





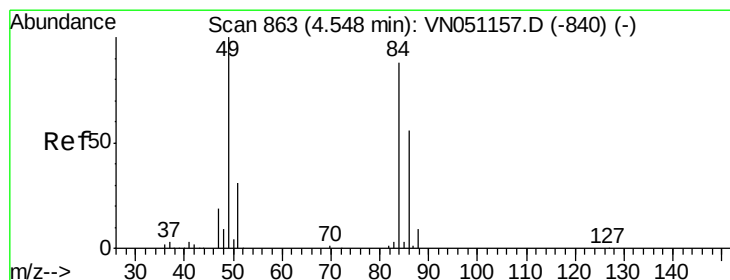
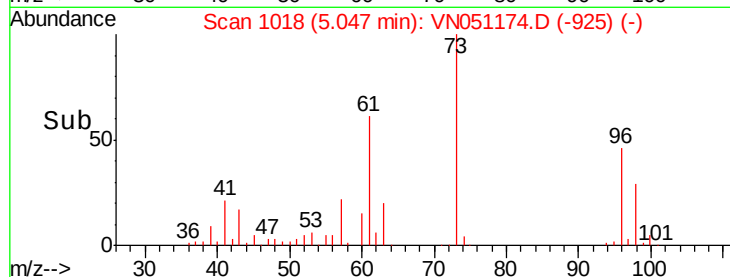
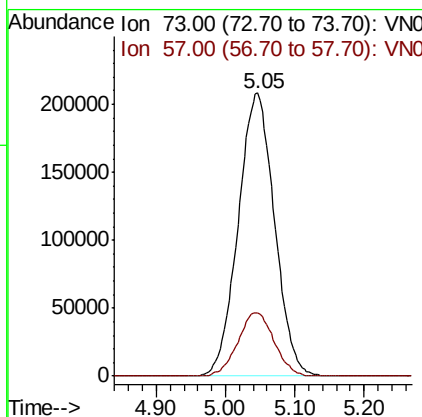
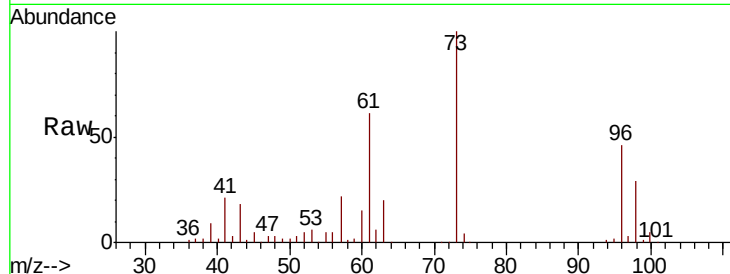
#19
Methyl tert-butyl Ether
Concen: 43.96 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.9	26.9

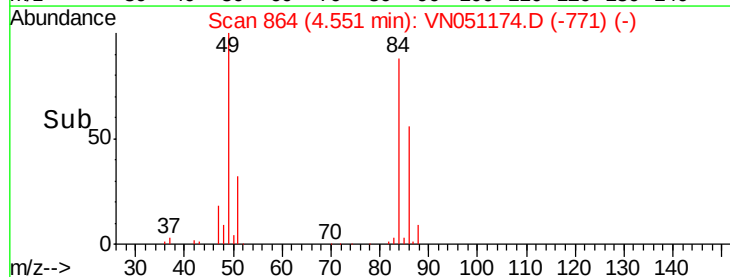
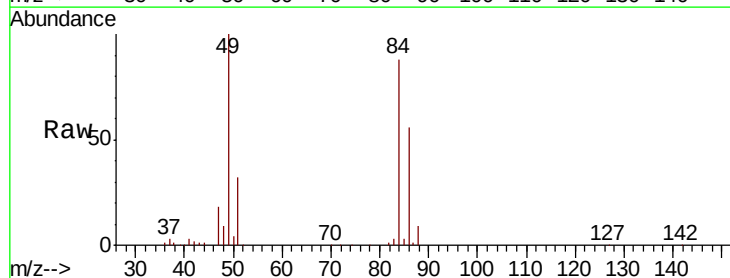
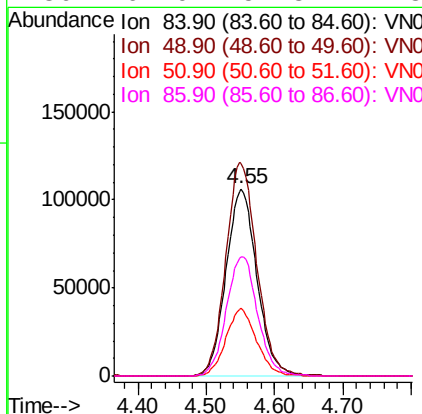
Manual Integrations
APPROVED

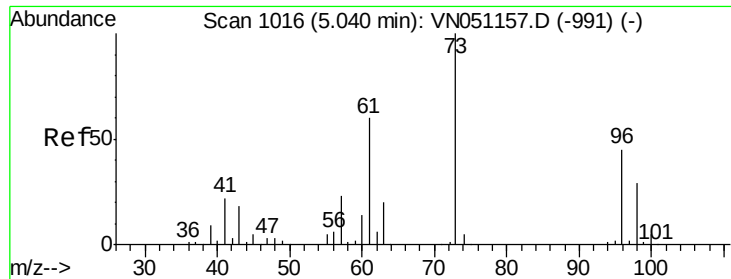
MMDadoda
9/17/2018 1:39:32 PM



#20
Methylene Chloride
Concen: 44.53 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.8	90.2	135.2
51	36.2	28.4	42.6
86	64.0	51.8	77.8





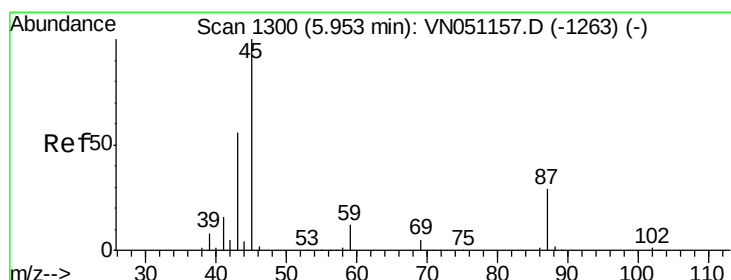
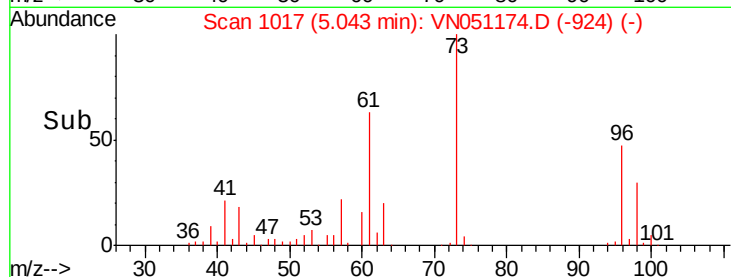
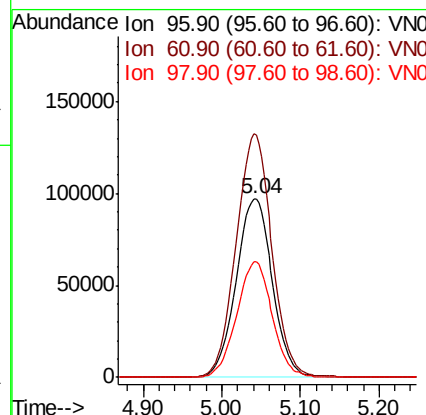
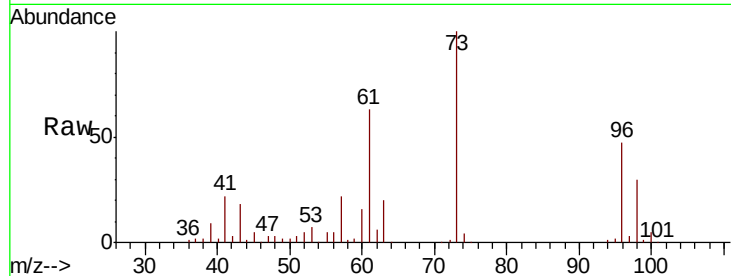
#21
trans-1,2-Dichloroethene
Concen: 44.14 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	106.5	159.7
98	64.8	50.4	75.6

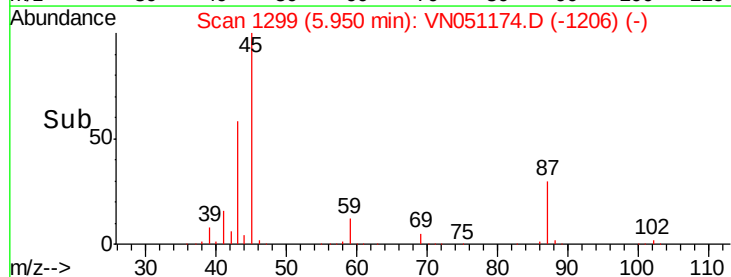
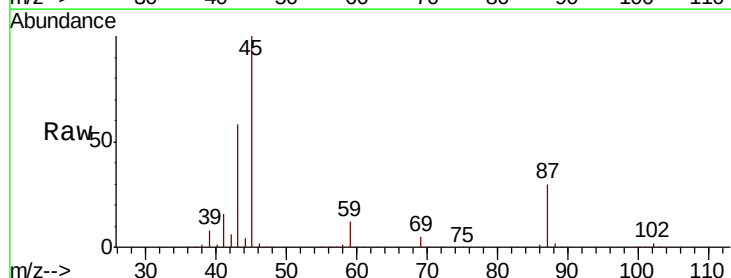
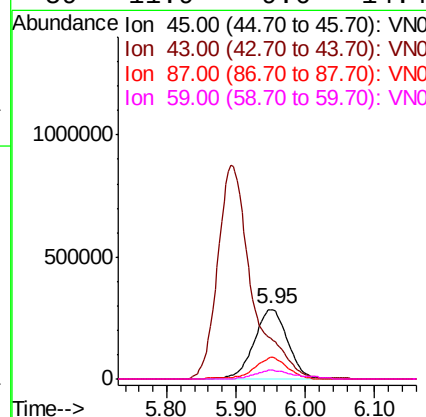
Manual Integrations
APPROVED

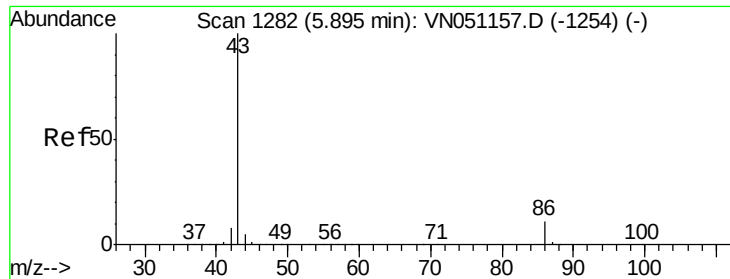
MMDadoda
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#22
Diisopropyl ether
Concen: 48.59 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	48.8	73.2
87	30.4	23.8	35.8
59	11.9	9.6	14.4





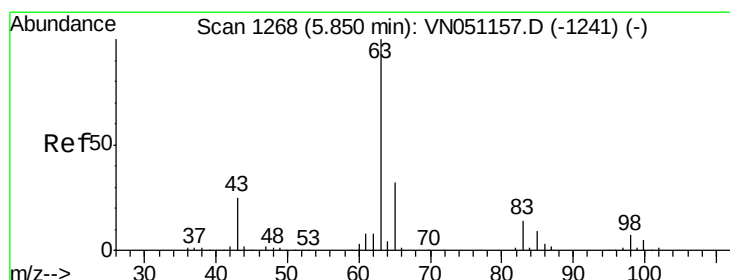
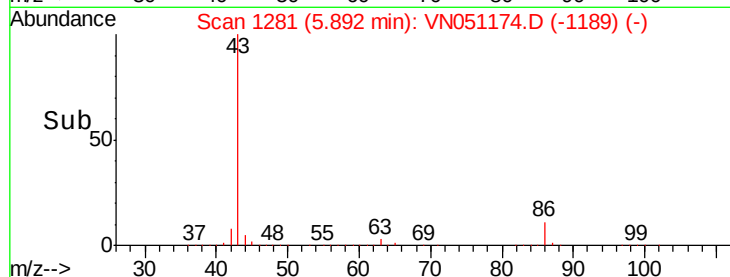
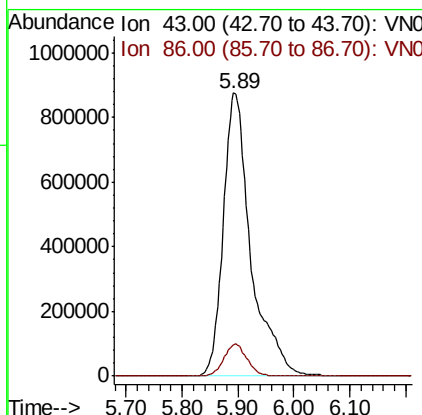
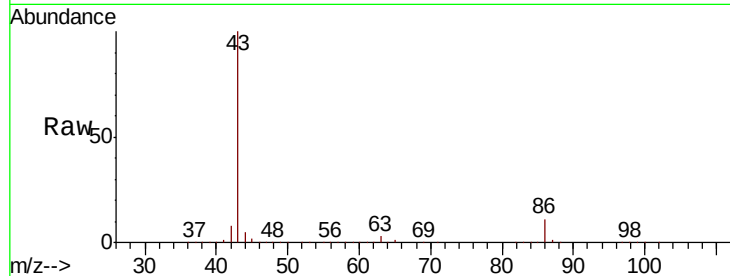
#23
 Vinyl Acetate
 Concen: 225.74 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3016275
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.2 13.8

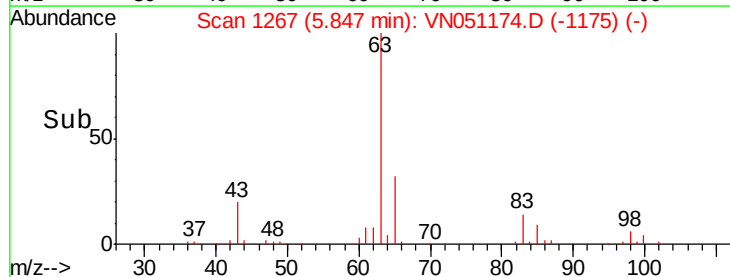
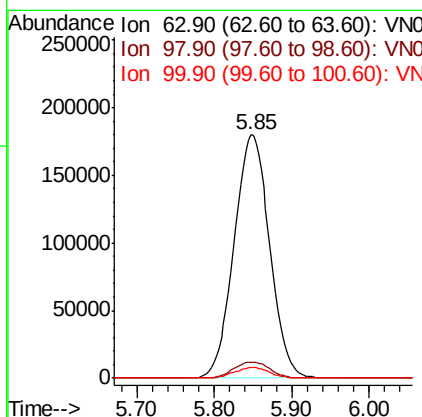
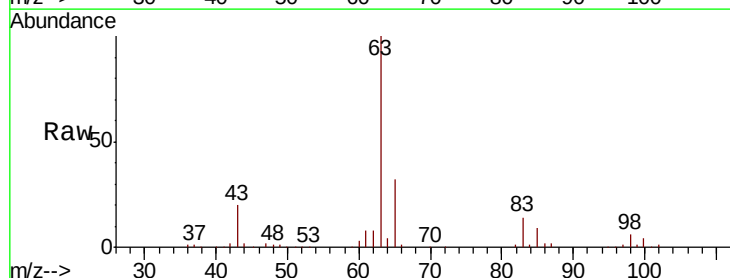
Manual Integrations
 APPROVED

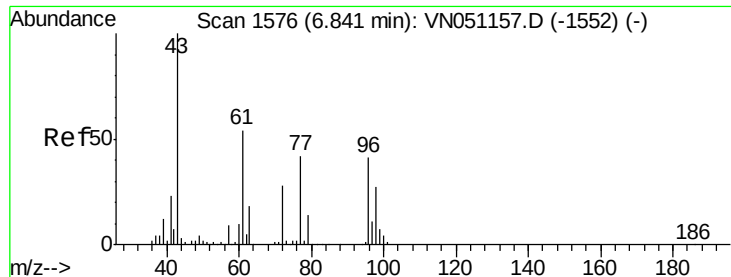
MMDadoda
 9/17/2018 1:39:32 PM



#24
 1,1-Dichloroethane
 Concen: 45.87 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion: 63 Resp: 574582
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.1
 100 4.5 2.1 6.3





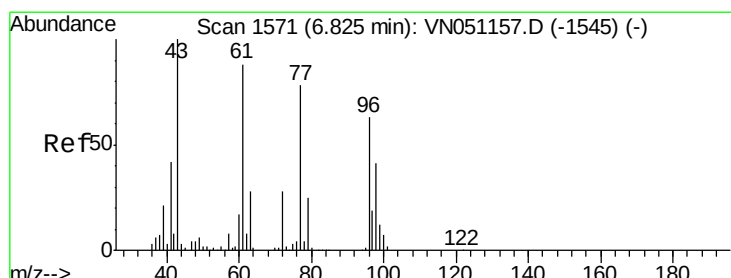
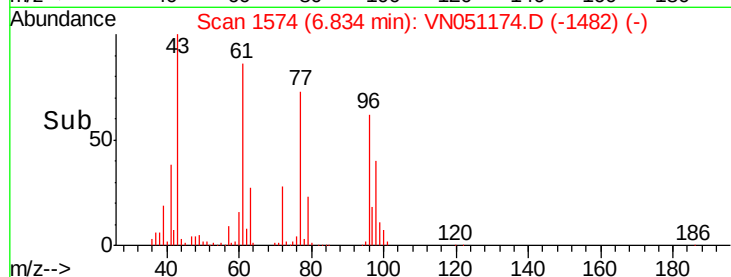
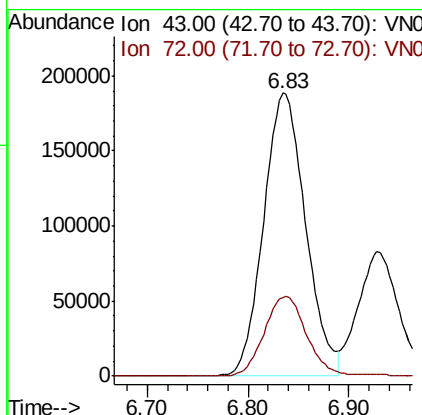
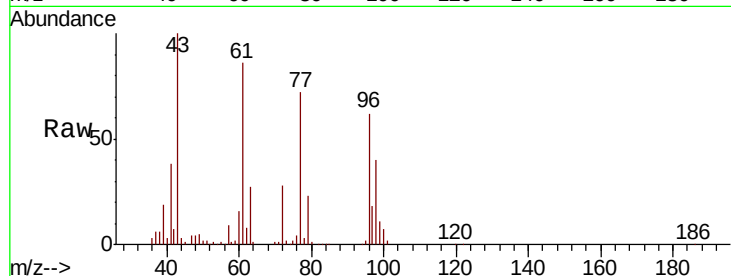
#25
 2-Butanone
 Concen: 203.31 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 544443
 Ion Ratio Lower Upper
 43 100
 72 27.9 23.0 34.6

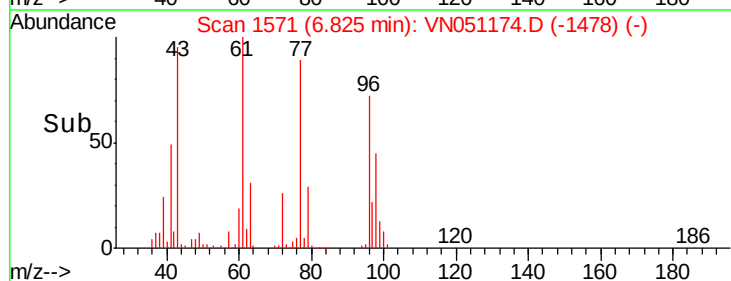
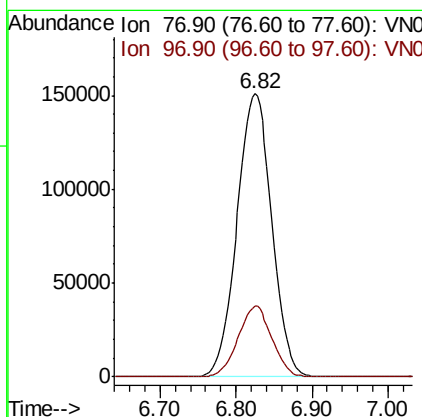
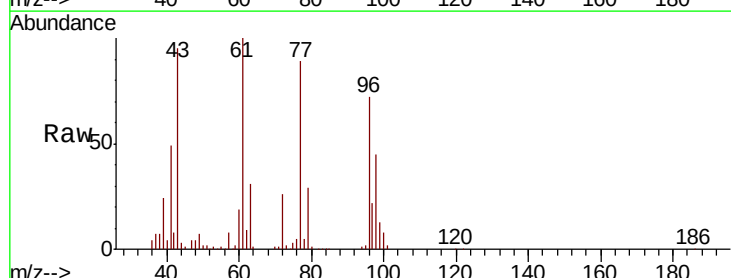
Manual Integrations
 APPROVED

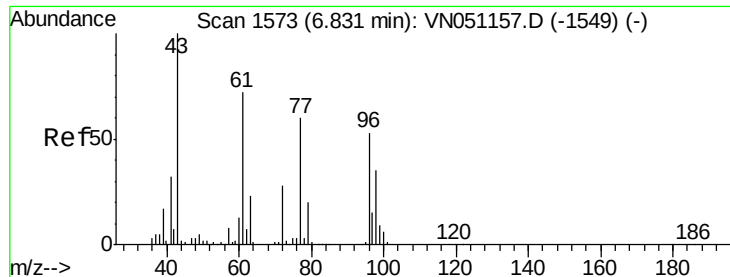
MMDadoda
 9/17/2018 1:39:32 PM



#26
 2,2-Dichloropropane
 Concen: 46.70 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion: 77 Resp: 478790
 Ion Ratio Lower Upper
 77 100
 97 24.3 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 45.50 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

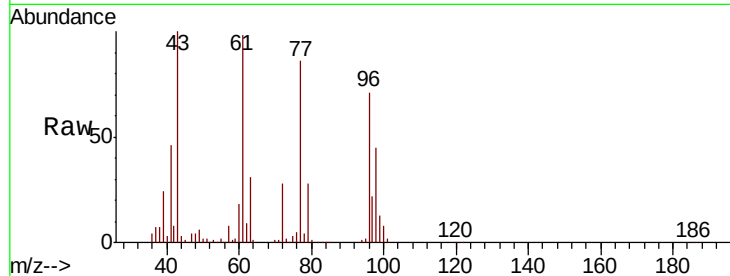
ClientSampleId :

VSTDCCC050

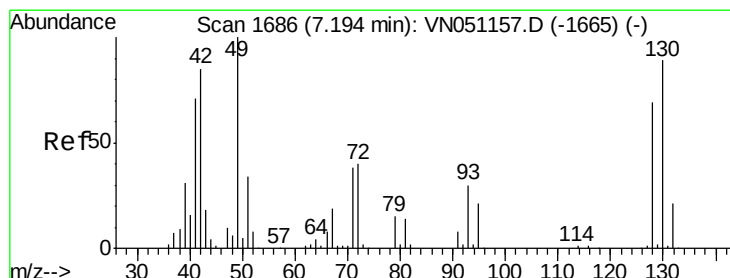
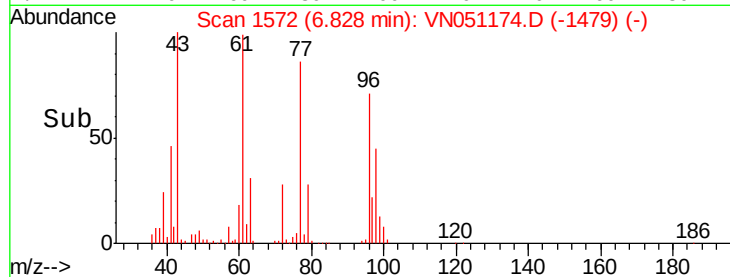
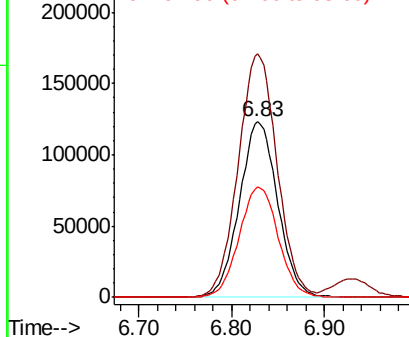
Tot Ion:	96	Resp:	353431
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	278.2
98	64.5	0.0	129.4

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 46.47 ug/l

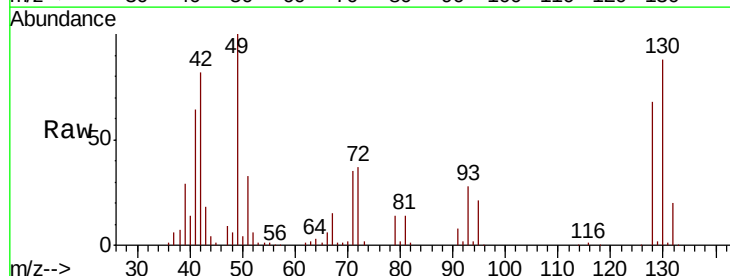
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

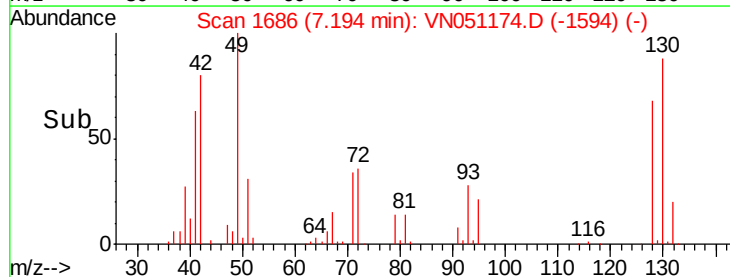
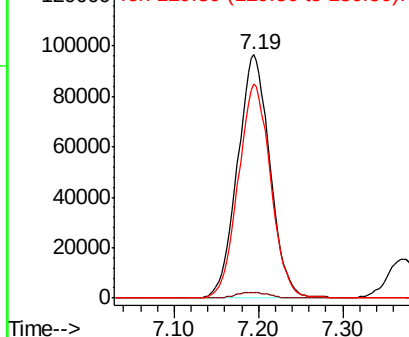
Lab File: VN051174.D

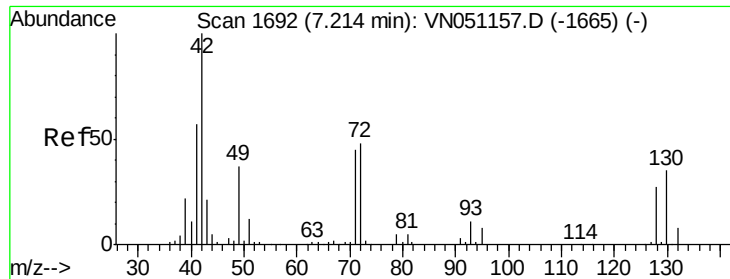
Acq: 14 Sep 2018 8:23

Tgt Ion:	49	Resp:	259095
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	87.8	70.7	106.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





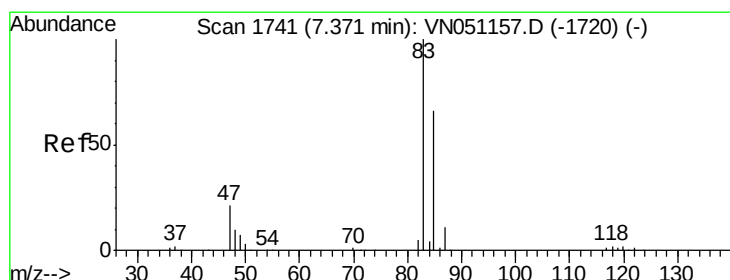
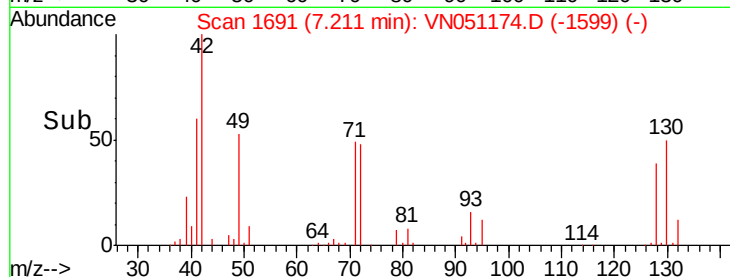
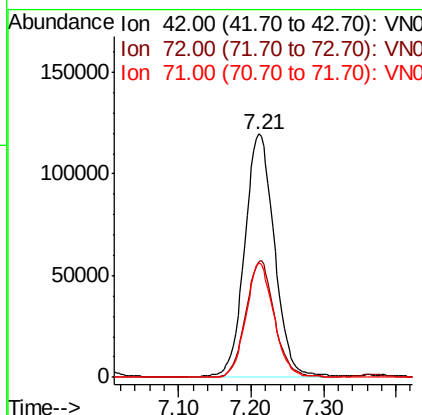
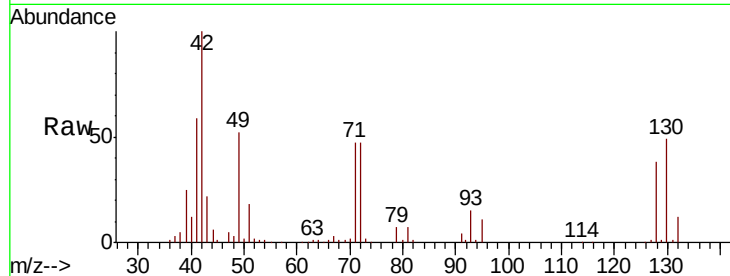
#29
Tetrahydrofuran
Concen: 203.67 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.4	56.0
71	44.3	34.7	52.1

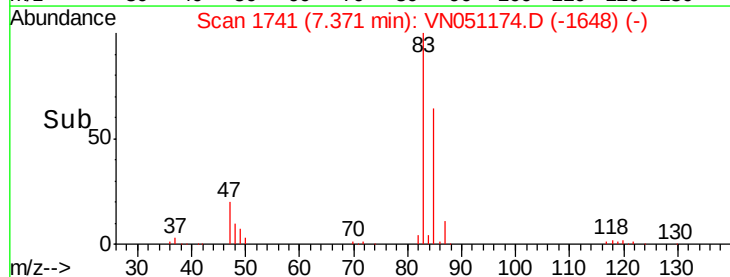
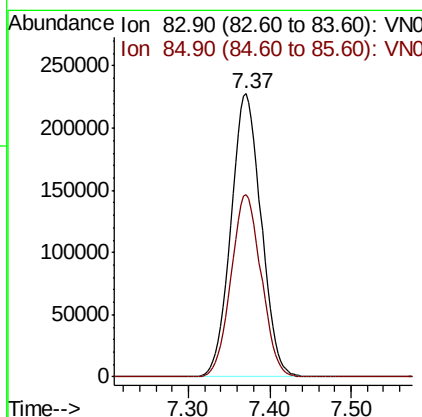
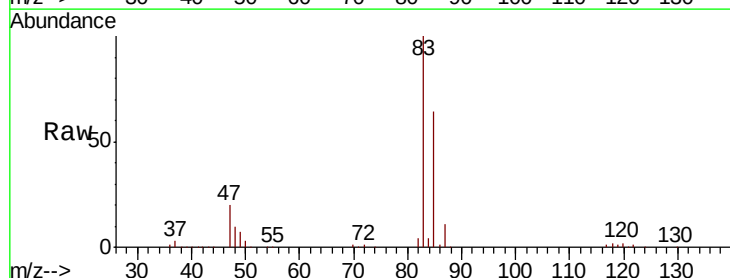
Manual Integrations
APPROVED

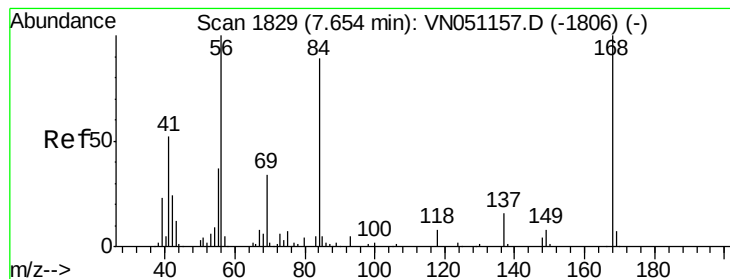
MMDadoda
9/17/2018 1:39:32 PM



#30
Chloroform
Concen: 47.30 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





#31

Cyclohexane

Concen: 45.05 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

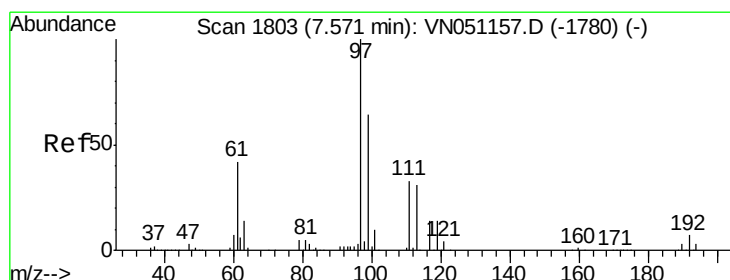
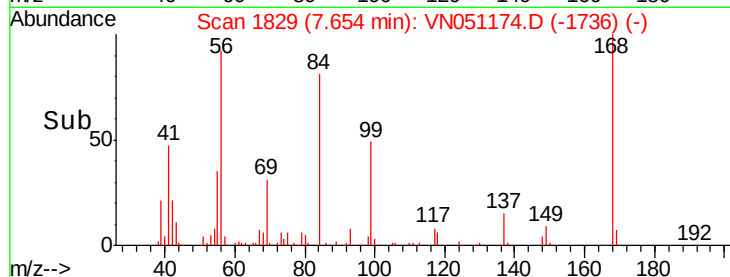
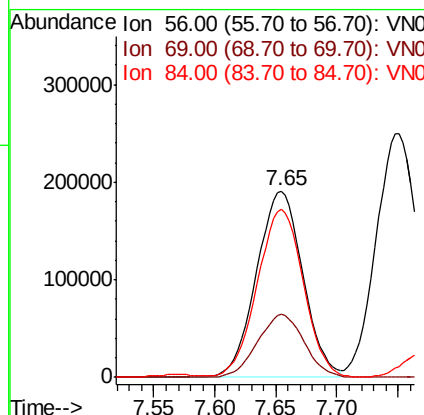
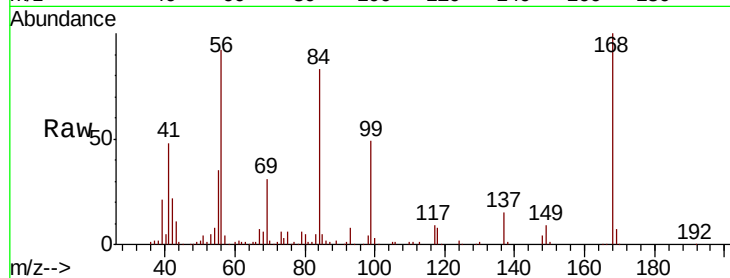
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	503405
Ion Ratio	Lower	Upper	
56	100		
69	33.7	26.3	39.5
84	88.9	69.4	104.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.24 ug/l

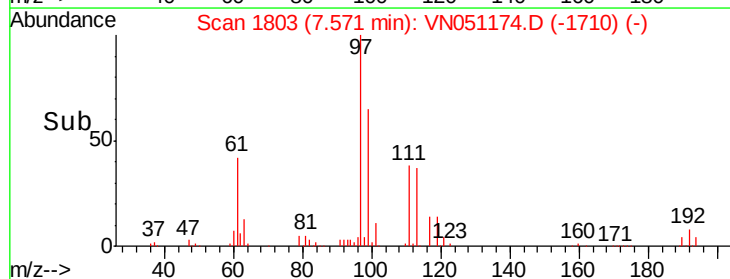
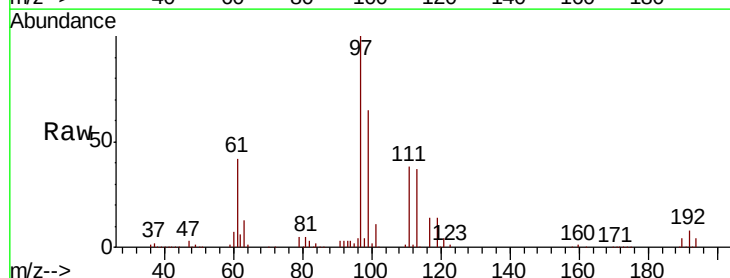
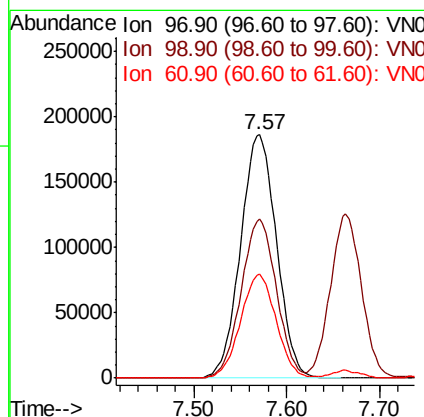
RT: 7.57 min Scan# 1803

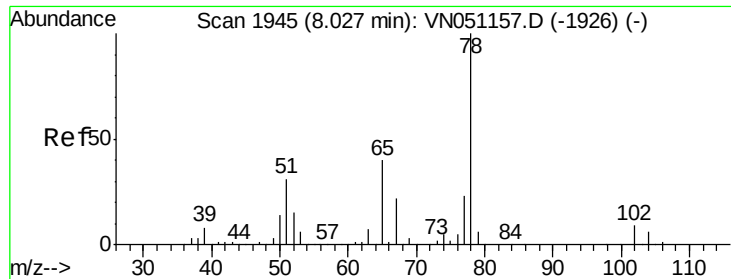
Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Tgt Ion:	97	Resp:	501624
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.6	77.4
61	42.1	33.8	50.6





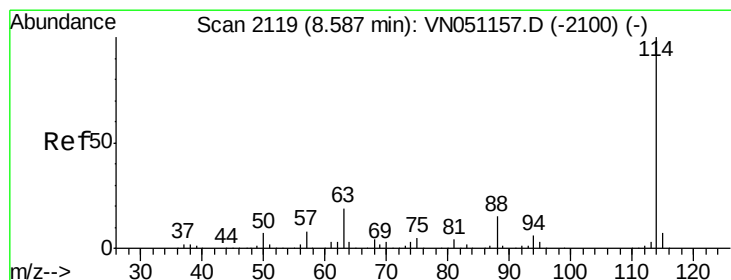
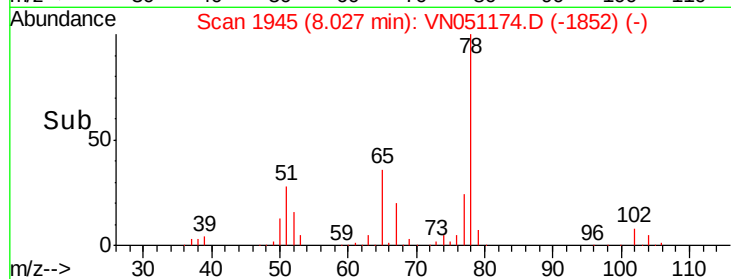
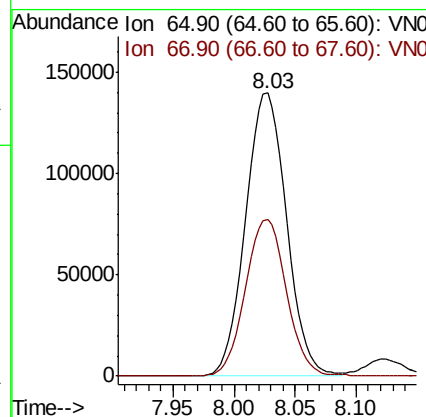
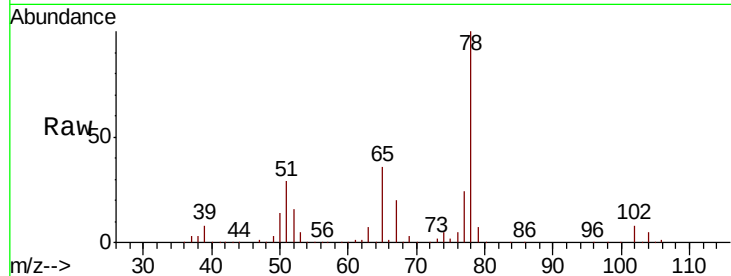
#33
 1,2-Dichloroethane-d4
 Concen: 47.68 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	324782		
67	55.6	0.0	112.0	

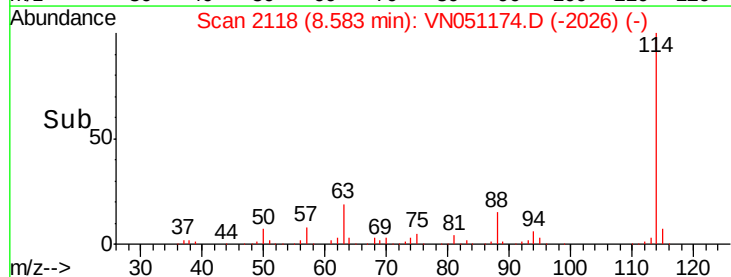
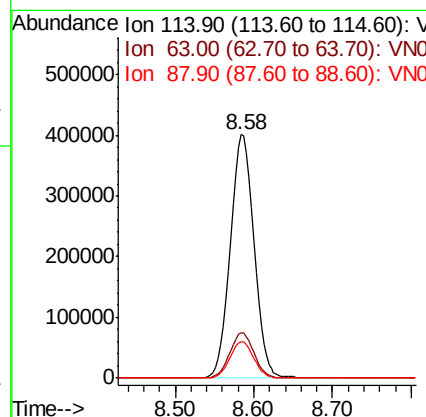
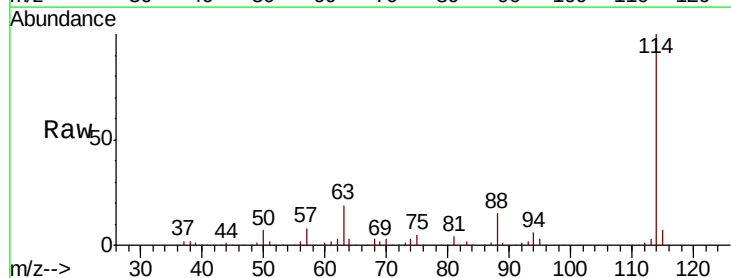
Manual Integrations
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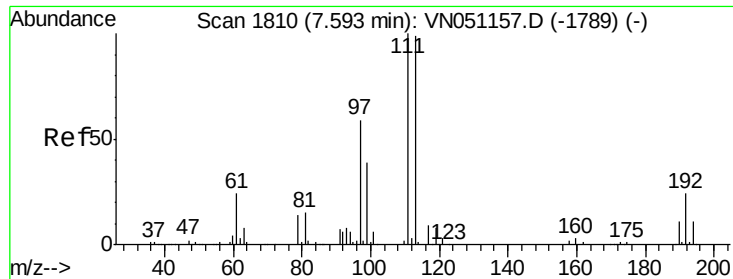
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	834750		
63	18.8	0.0	37.8	
88	15.1	0.0	30.8	





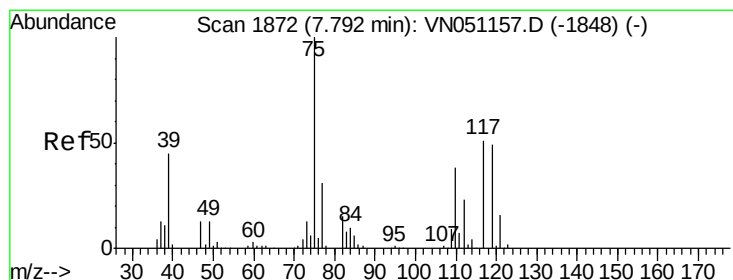
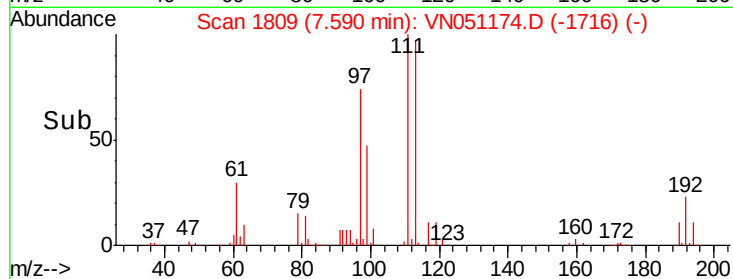
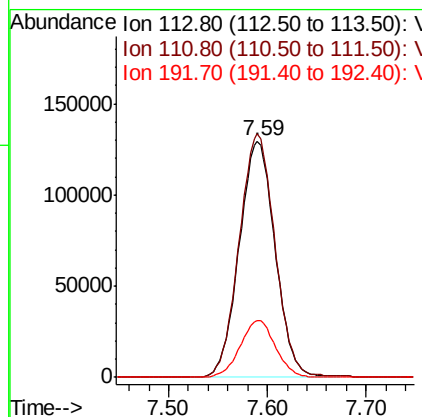
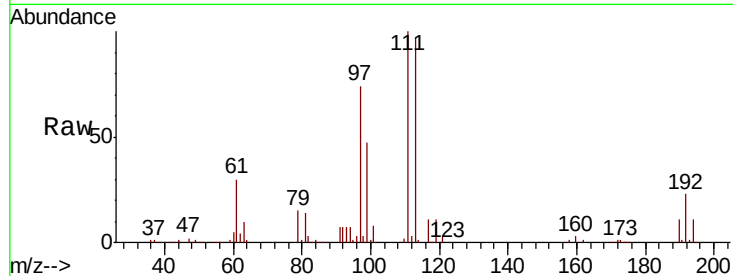
#35
 Dibromofluoromethane
 Concen: 52.09 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	83.0	124.6	
192	23.6	18.7	28.1	

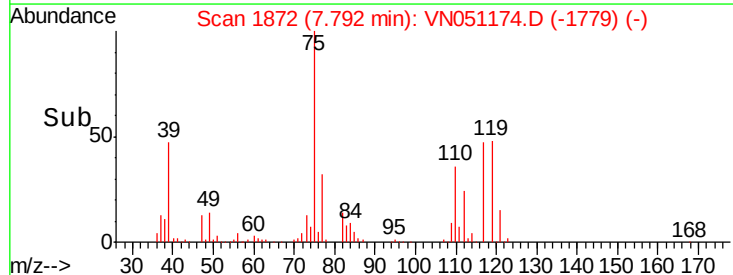
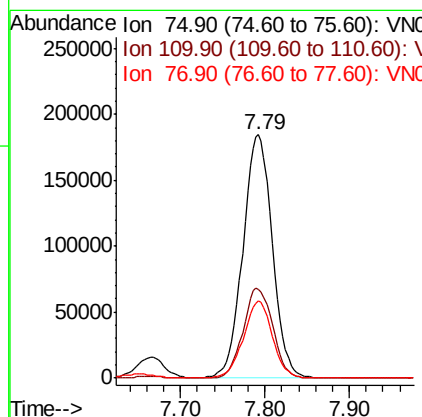
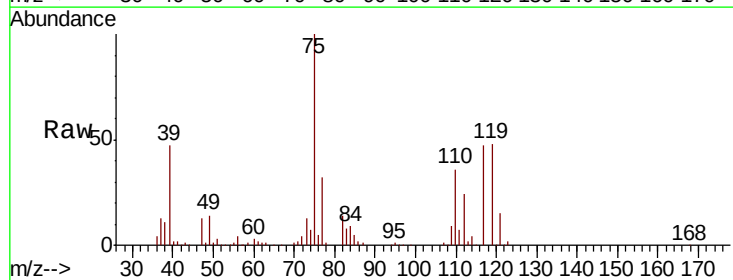
Manual Integrations
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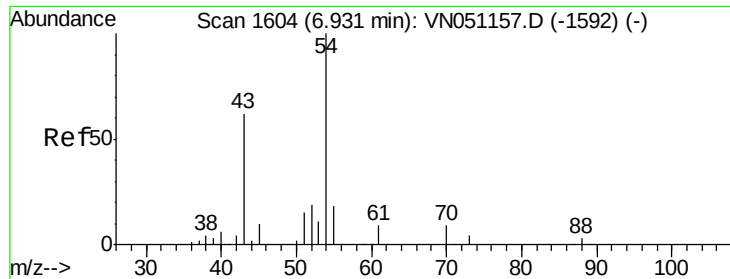
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 48.68 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.3	18.6	55.8	
77	31.3	25.2	37.8	





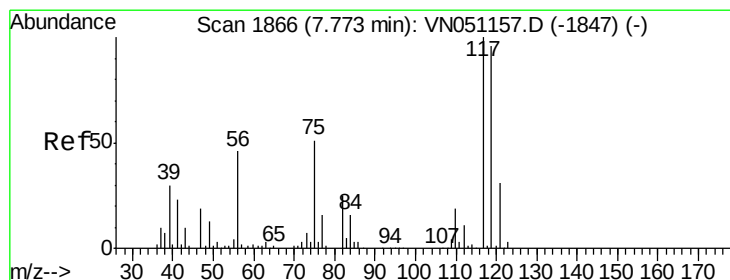
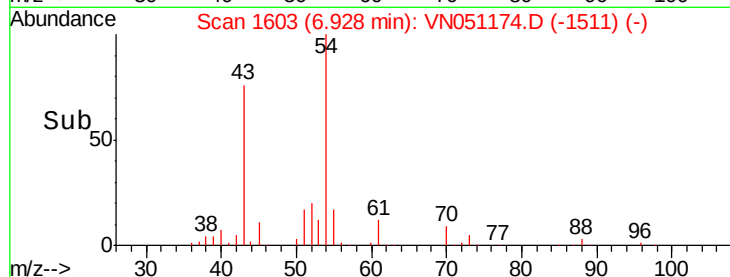
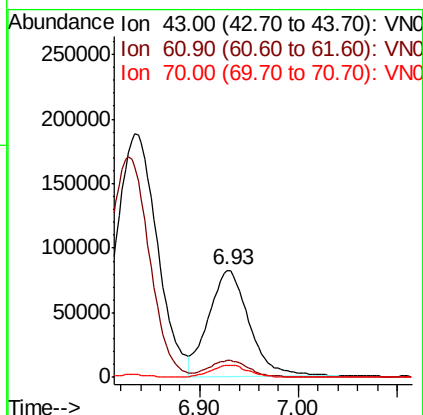
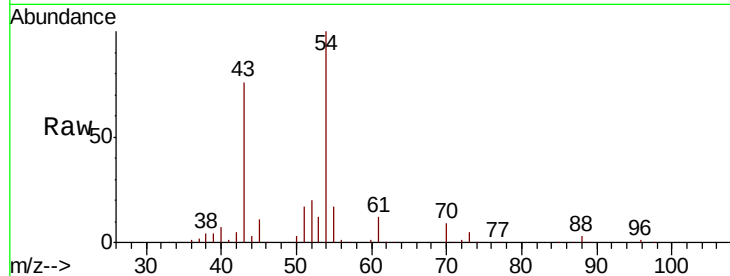
#37
Ethyl Acetate
Concen: 44.12 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.4	18.6
70	11.3	9.3	13.9

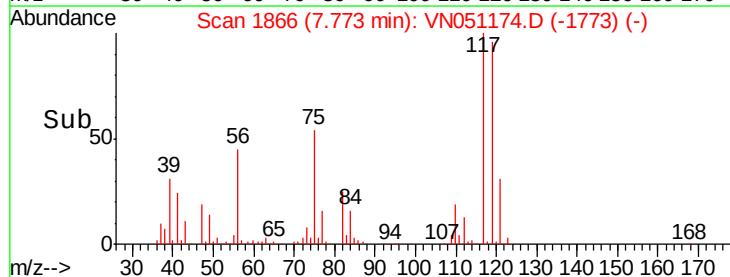
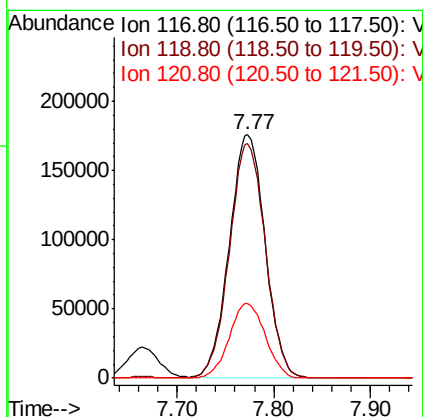
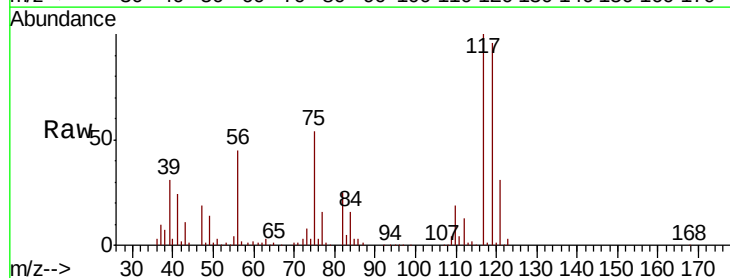
Manual Integrations
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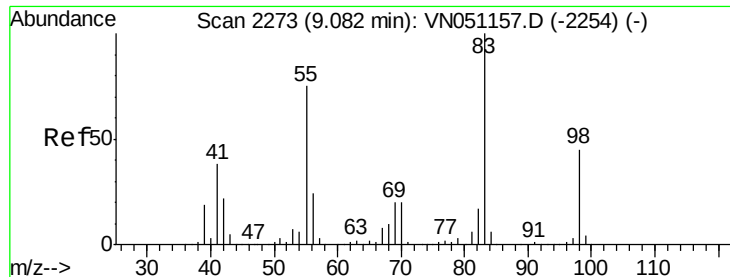
MMDadoda
9/17/2018 1:39:32 PM



#38
Carbon Tetrachloride
Concen: 50.14 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.8	115.2
121	30.7	24.6	36.8





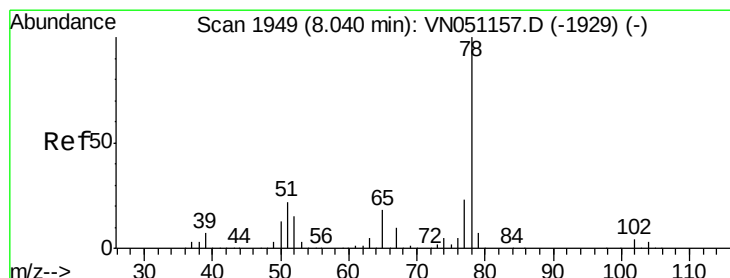
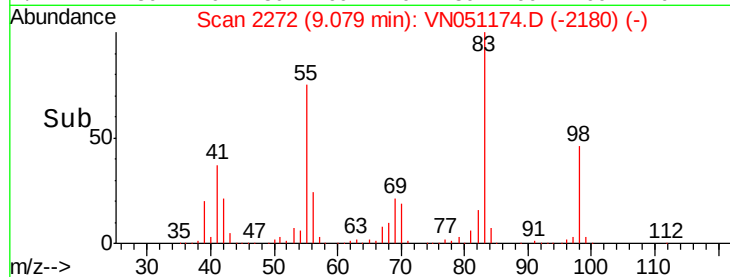
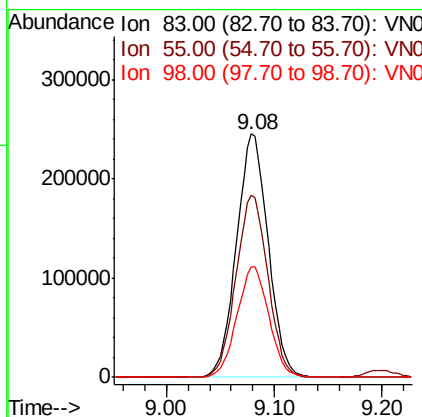
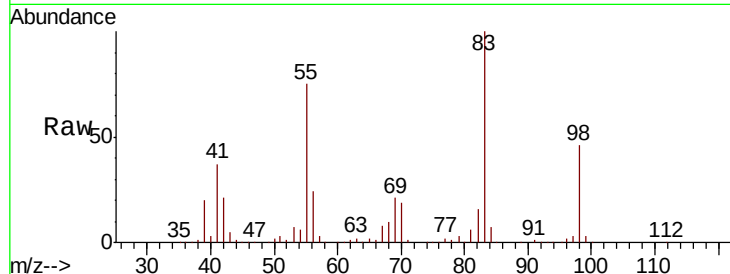
#39
Methvlcvclohexane
Concen: 49.55 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	58.4	87.6
98	45.6	37.3	55.9

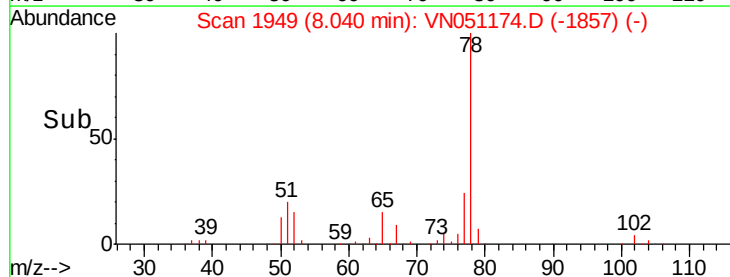
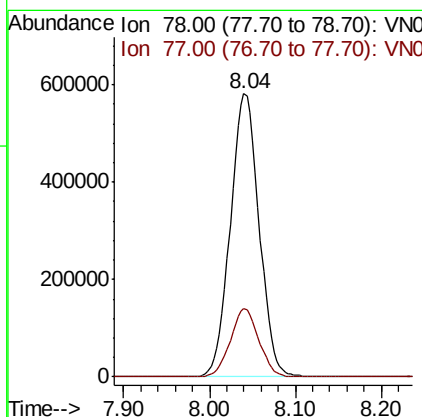
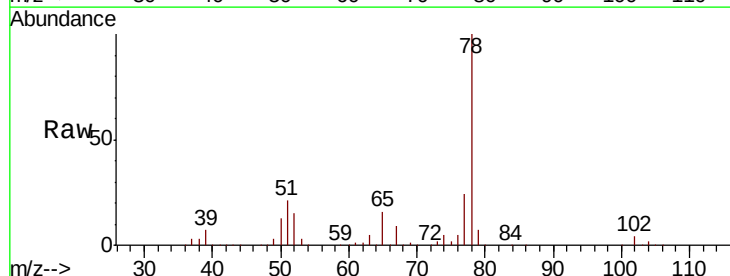
Manual Integrations
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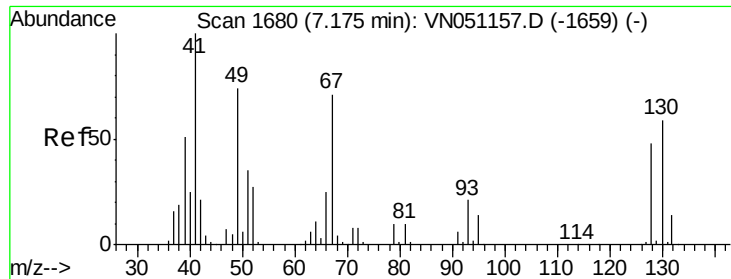
MMDadoda
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#40
Benzene
Concen: 48.89 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	27.8





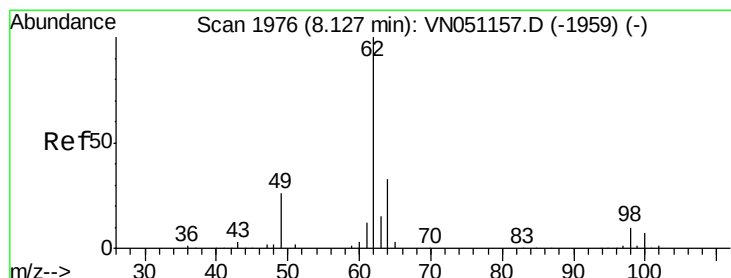
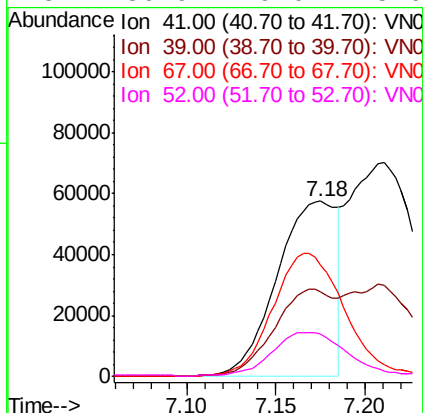
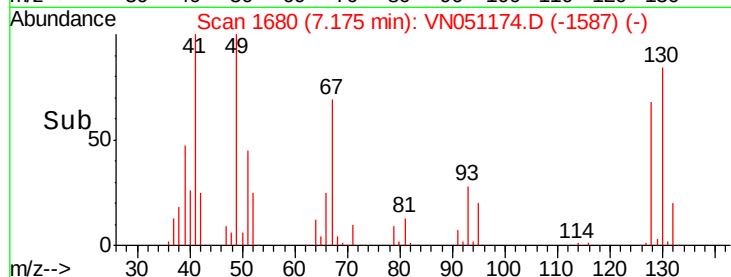
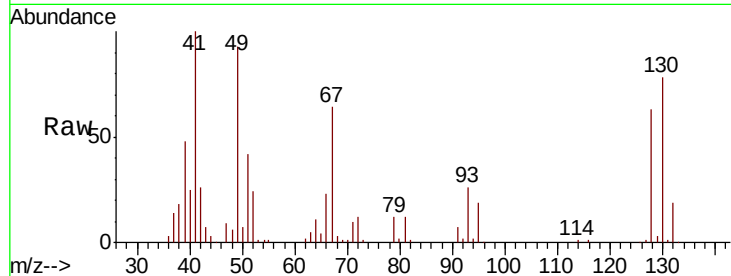
#41
Methacrylonitrile
Concen: 48.96 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	134095
Ion Ratio	Lower	Upper	
41	100		
39	46.0	51.3	76.9#
67	84.6	78.5	117.7
52	30.9	29.0	43.6

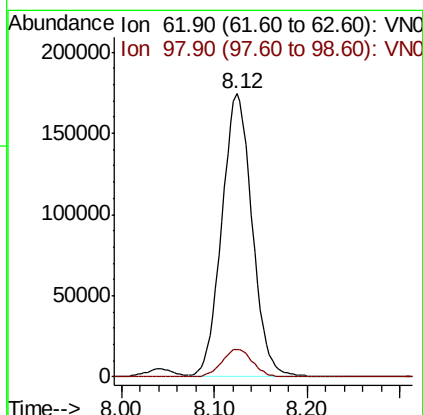
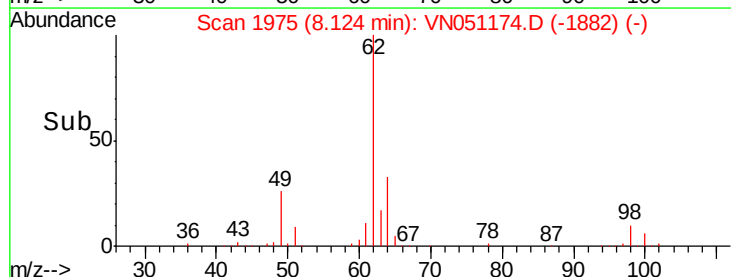
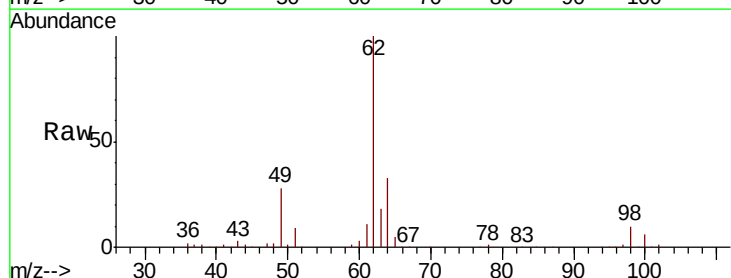
Manual Integrations
APPROVED

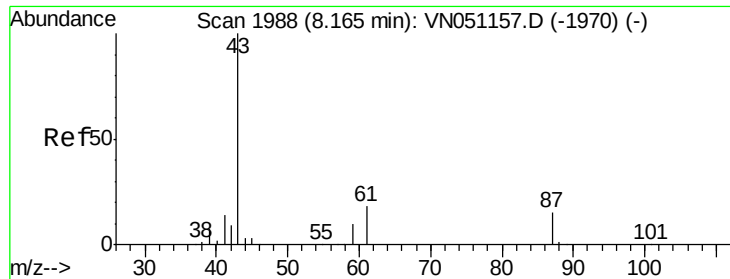
MMDadoda
9/17/2018 1:39:32 PM



#42
1,2-Dichloroethane
Concen: 49.00 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	62	Resp	394426
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	21.0





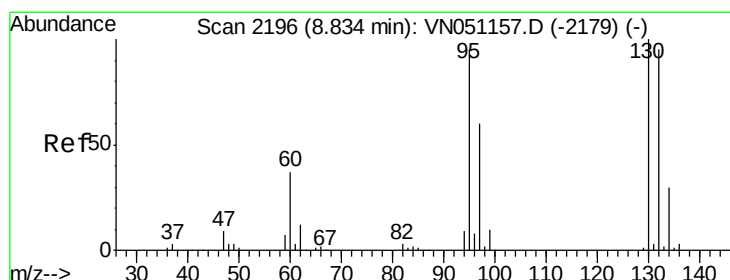
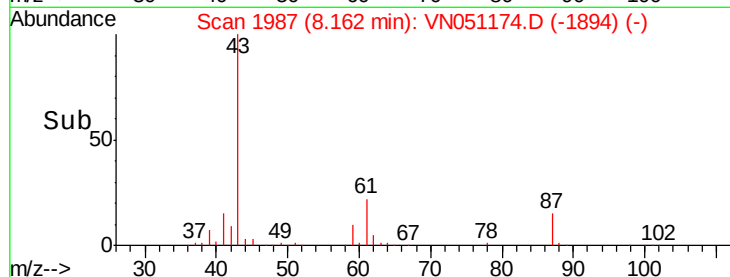
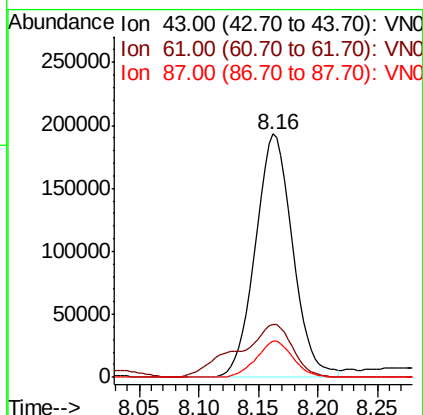
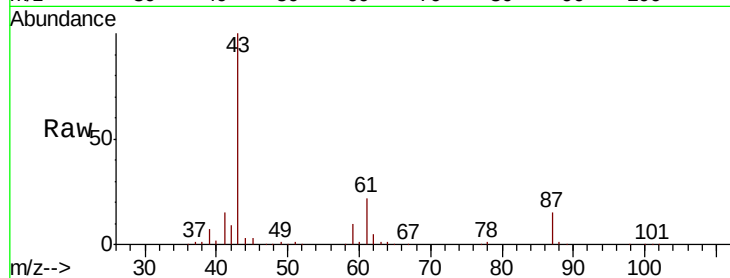
#43
Isopropyl Acetate
Concen: 44.76 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	25.0	37.6
87	14.6	11.8	17.8

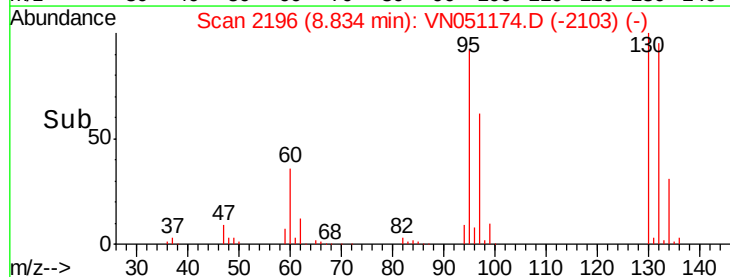
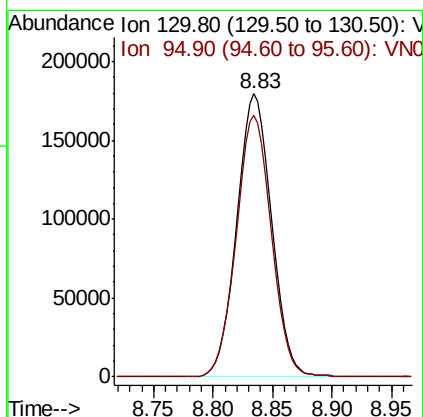
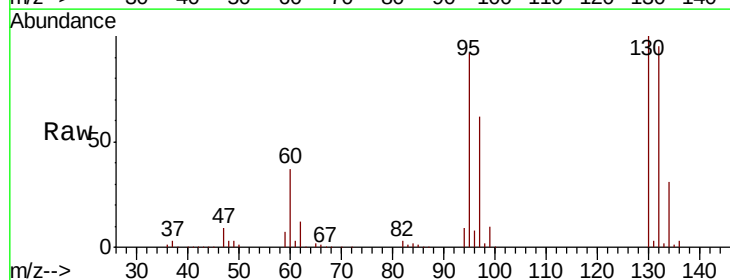
Manual Integrations
APPROVED

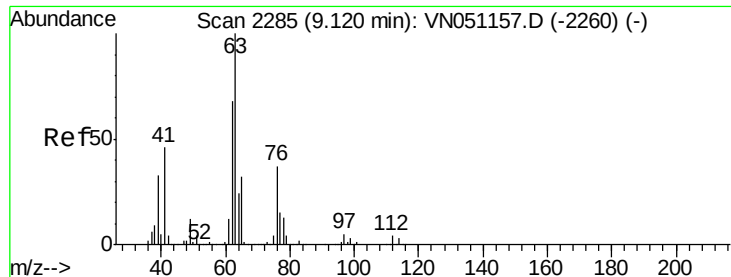
MMDadoda
9/17/2018 1:39:32 PM



#44
Trichloroethene
Concen: 48.23 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	186.2





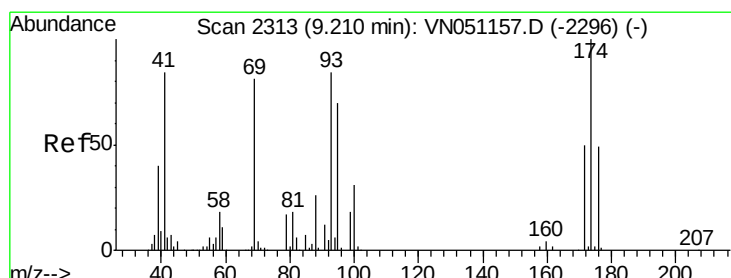
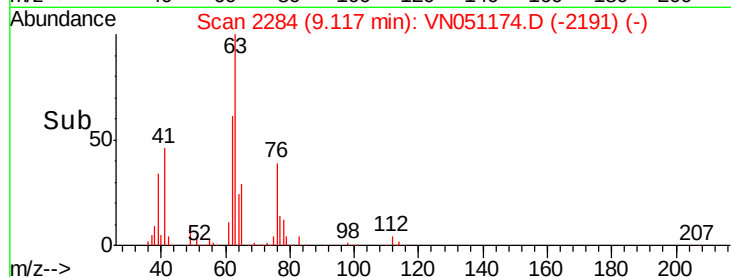
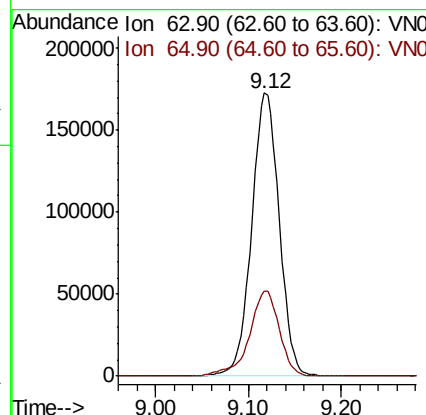
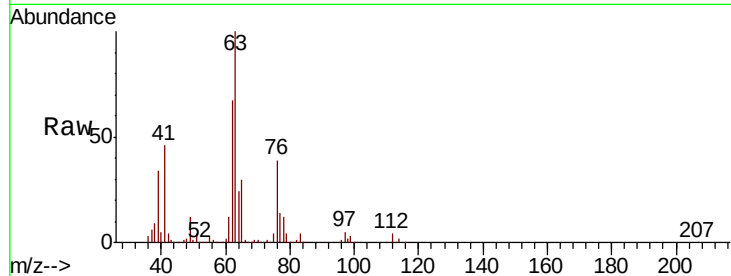
#45
 1,2-Dichloropropane
 Concen: 49.83 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 355580
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.7 37.1

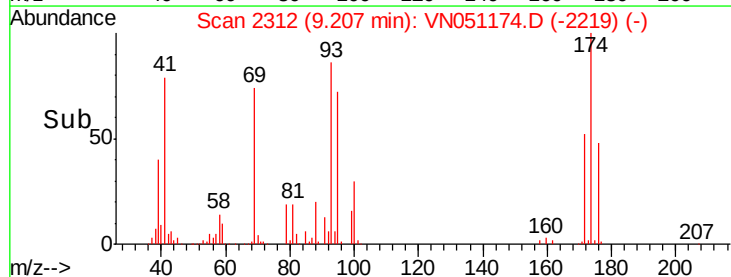
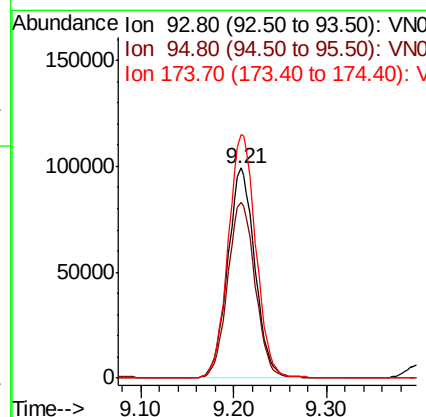
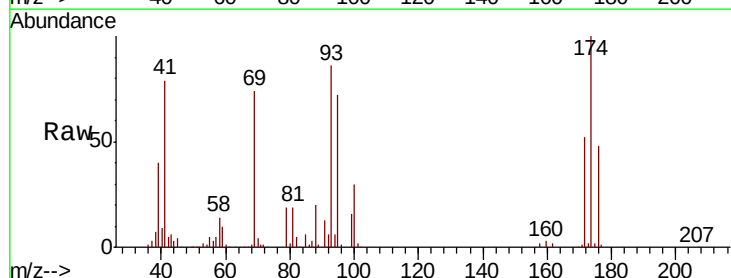
Manual Integrations
 APPROVED

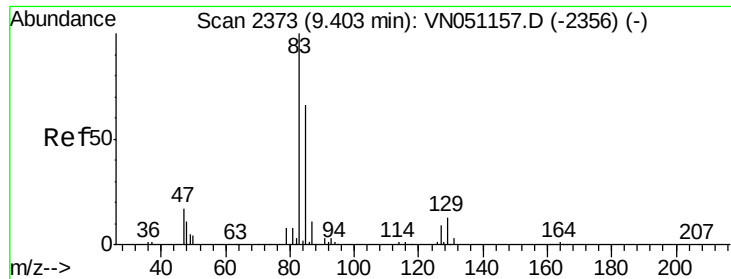
MMDadoda
 9/17/2018 1:39:32 PM



#46
 Dibromomethane
 Concen: 46.44 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion: 93 Resp: 202217
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.8 100.2
 174 117.7 93.3 139.9





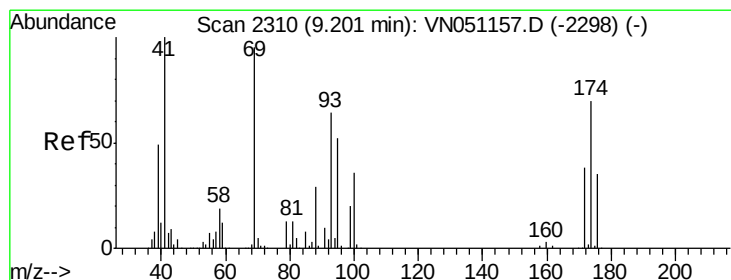
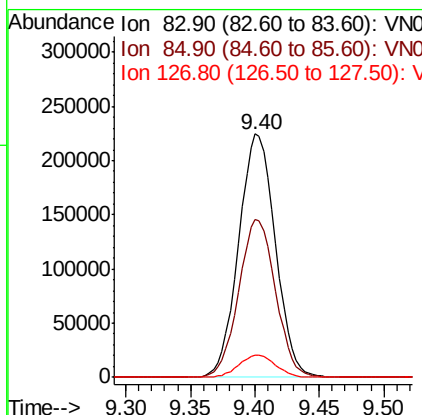
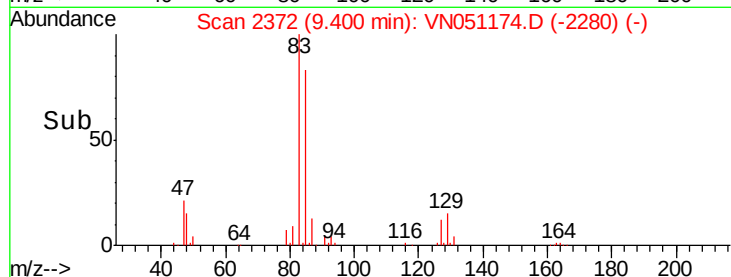
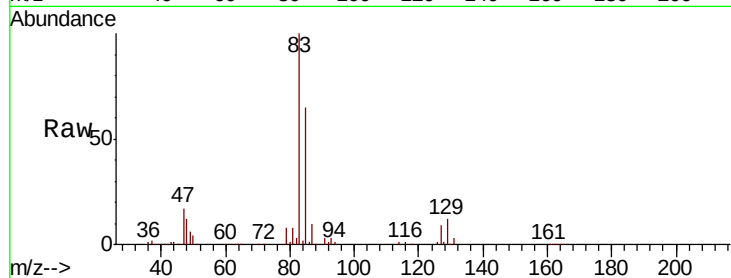
#47
Bromodichloromethane
Concen: 50.32 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	445466		
85	65.1	52.3	78.5	
127	9.0	7.5	11.3	

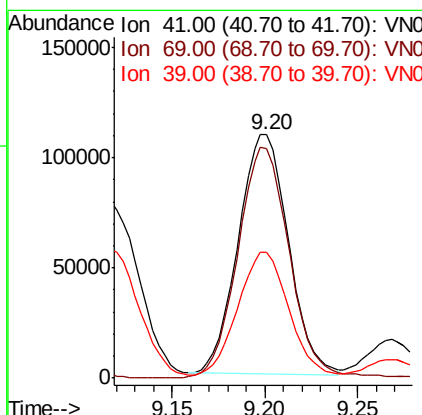
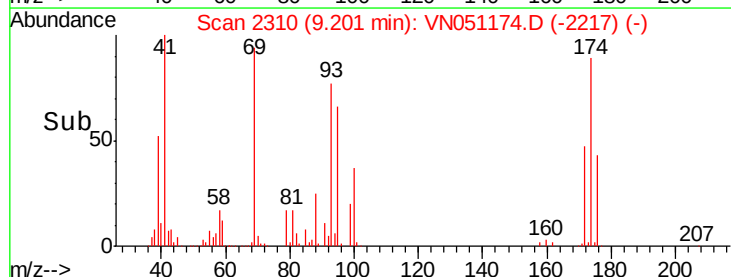
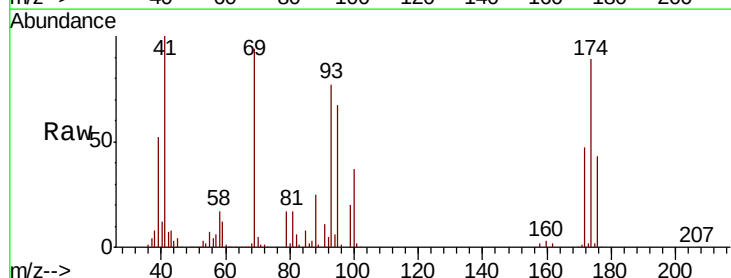
Manual Integrations
APPROVED

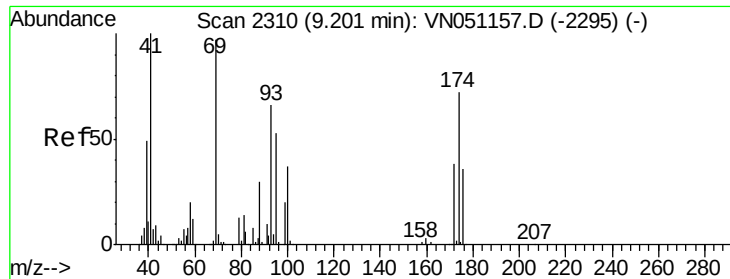
MMDadoda
9/17/2018 1:39:32 PM



#48
Methyl methacrylate
Concen: 44.85 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	204692		
69	99.5	77.7	116.5	
39	53.8	41.6	62.4	





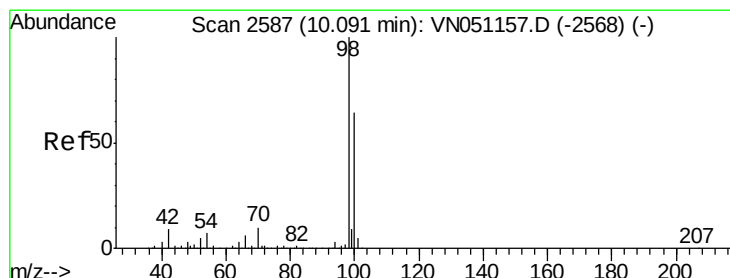
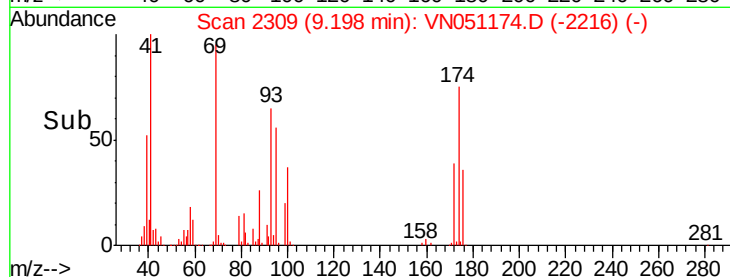
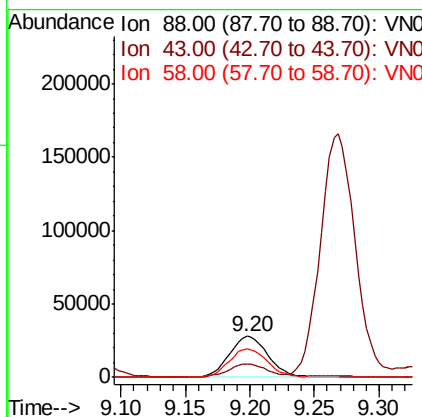
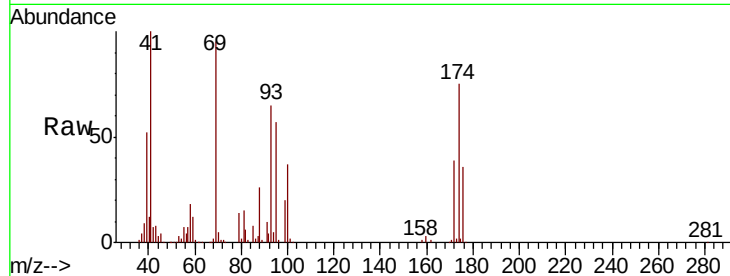
#49
1,4-Dioxane
Concen: 820.57 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.7	35.5
58	68.0	54.6	82.0

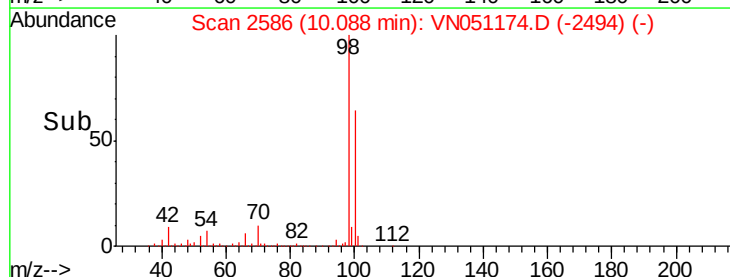
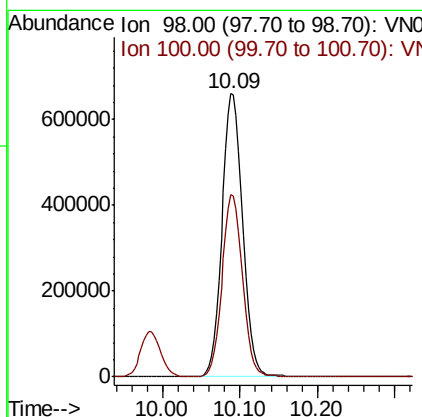
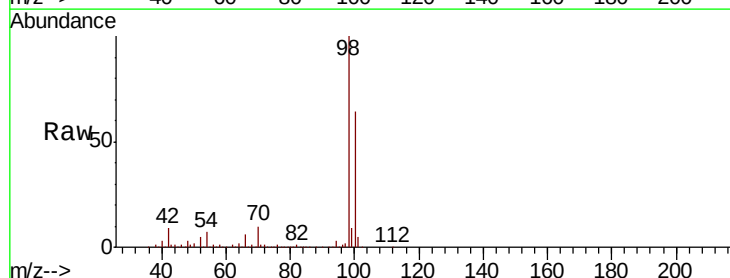
Manual Integrations
APPROVED

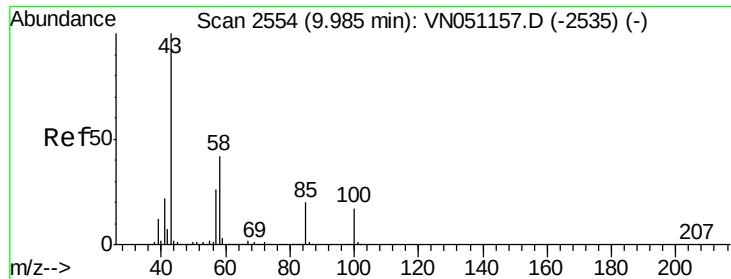
MMDadoda
9/17/2018 1:39:32 PM



#50
Toluene-d8
Concen: 51.55 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





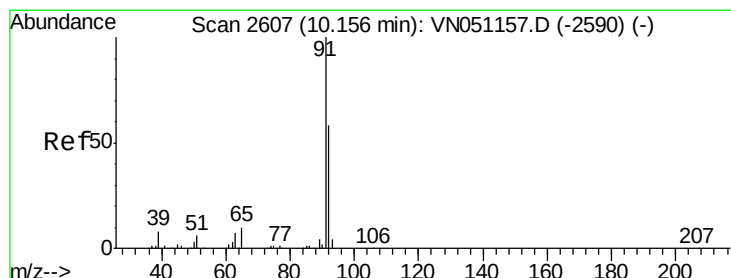
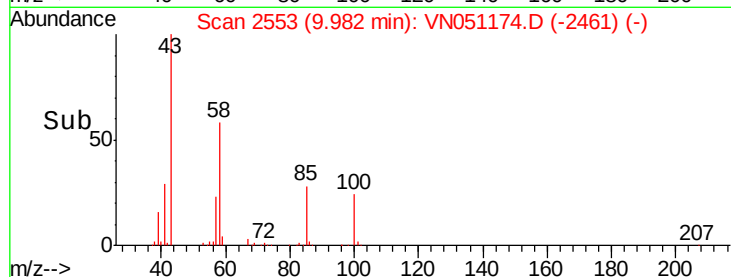
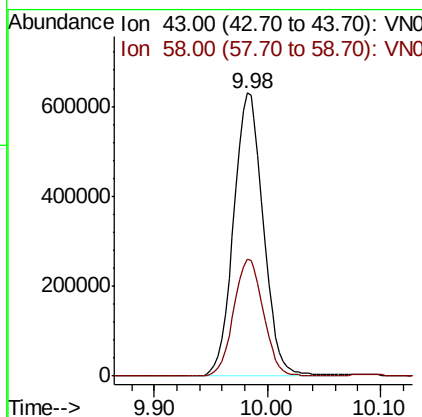
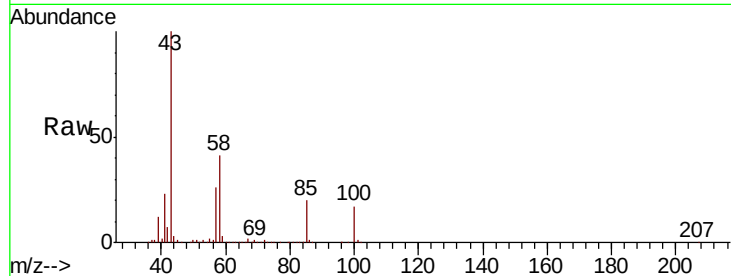
#51
 4-Methyl-2-Pentanone
 Concen: 221.69 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1148202
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.5 50.3

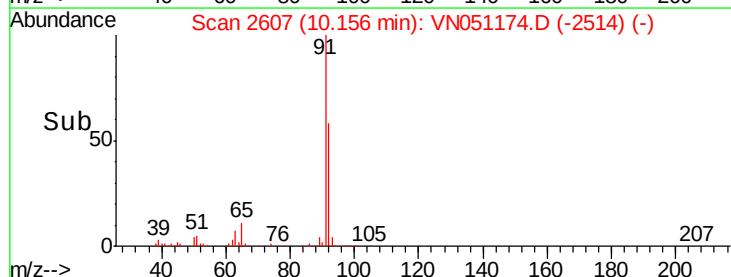
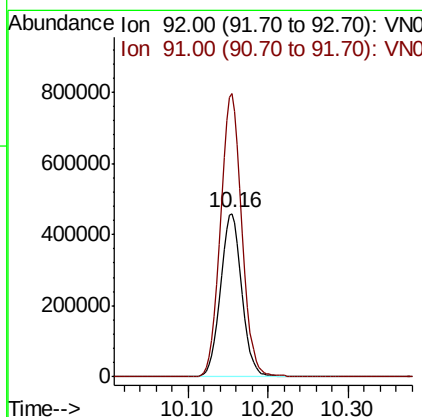
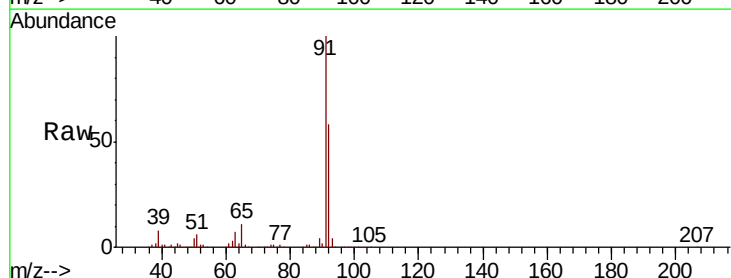
Manual Integrations
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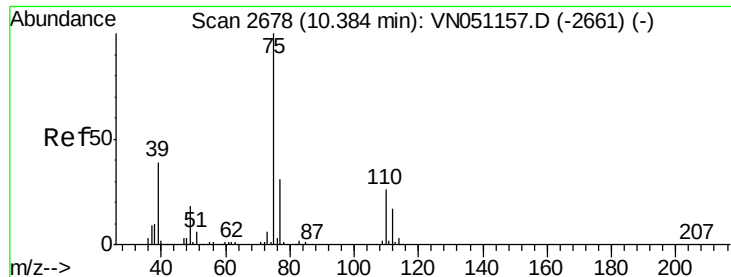
MMDadoda
 9/17/2018 1:39:32 PM



#52
 Toluene
 Concen: 50.22 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion: 92 Resp: 845739
 Ion Ratio Lower Upper
 92 100
 91 173.6 139.5 209.3





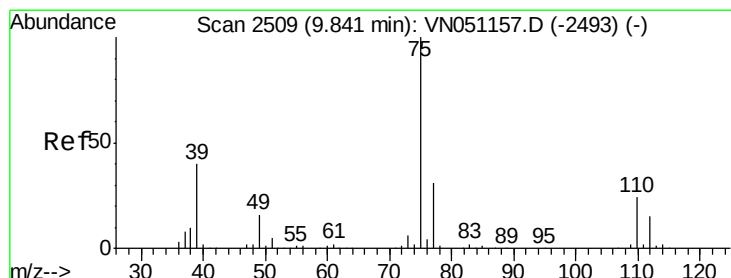
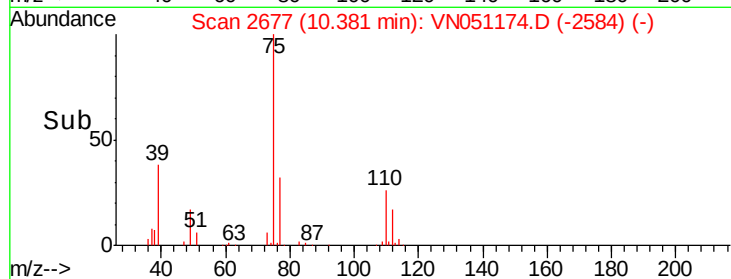
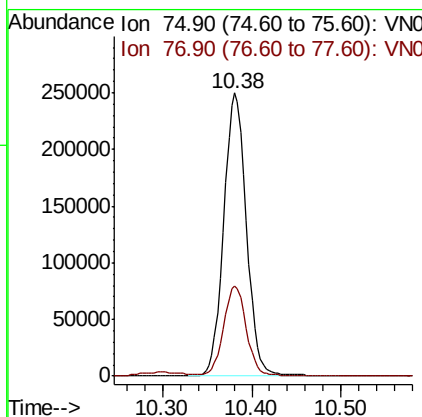
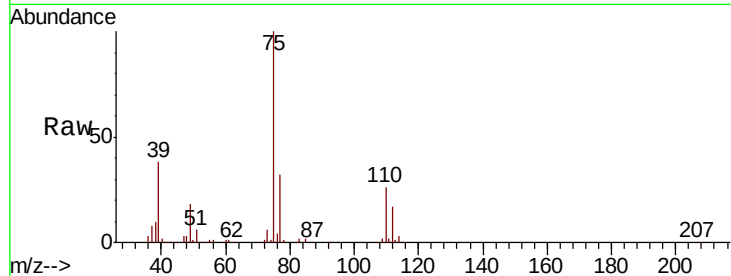
#53
t-1,3-Dichloropropene
Concen: 49.57 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 439233
Ion Ratio Lower Upper
75 100
77 31.8 25.3 37.9

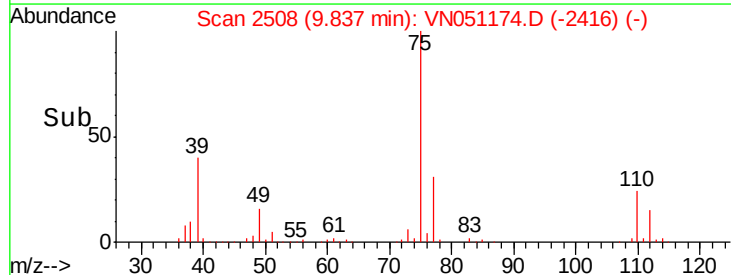
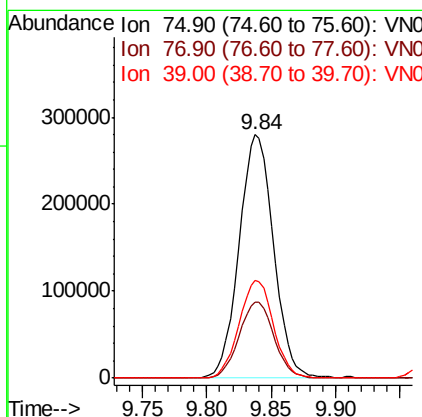
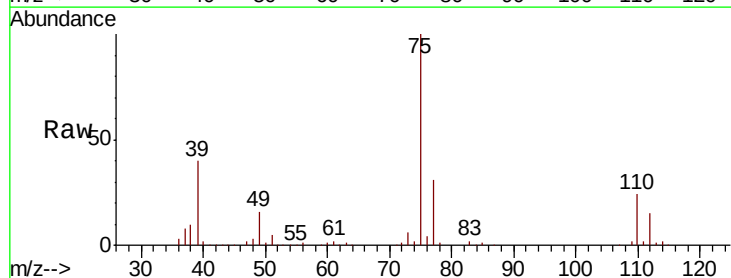
Manual Integrations
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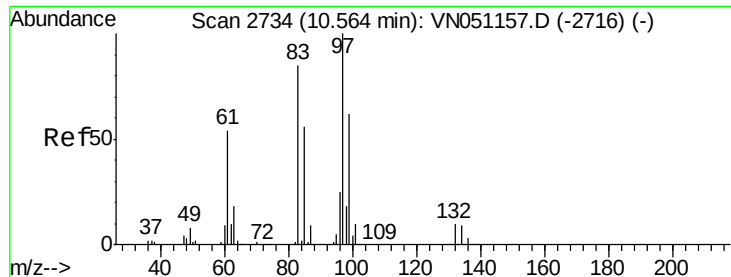
MMDadoda
9/17/2018 1:39:32 PM



#54
cis-1,3-Dichloropropene
Concen: 50.06 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion: 75 Resp: 520029
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5
39 40.0 31.9 47.9





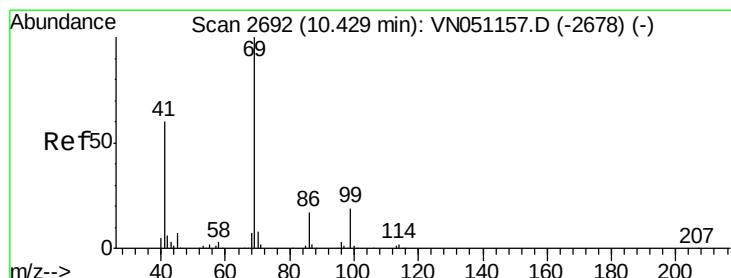
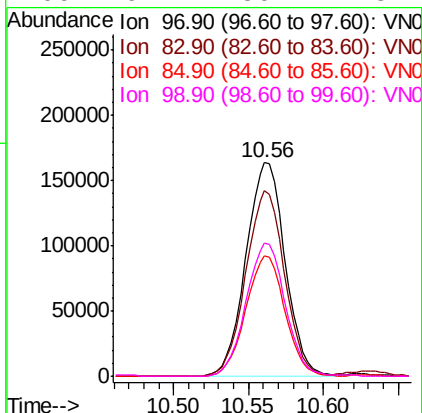
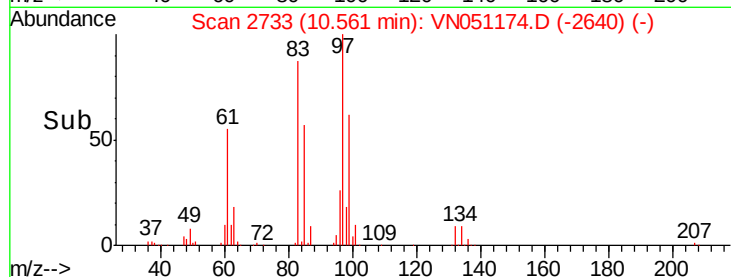
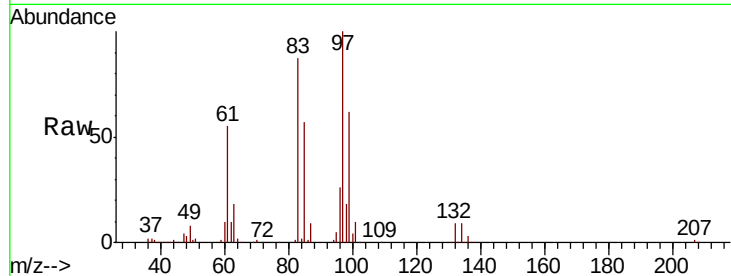
#55
 1,1,2-Trichloroethane
 Concen: 48.75 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	298214
Ion Ratio	Lower	Upper	
97	100		
83	86.9	68.2	102.2
85	56.5	44.8	67.2
99	62.2	50.2	75.4

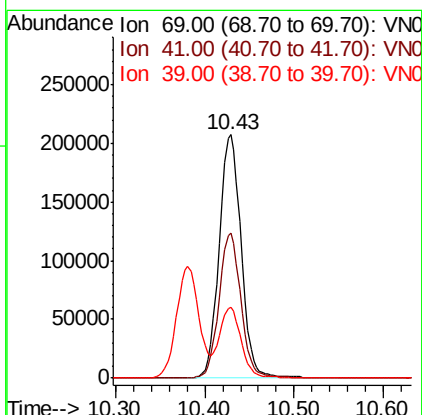
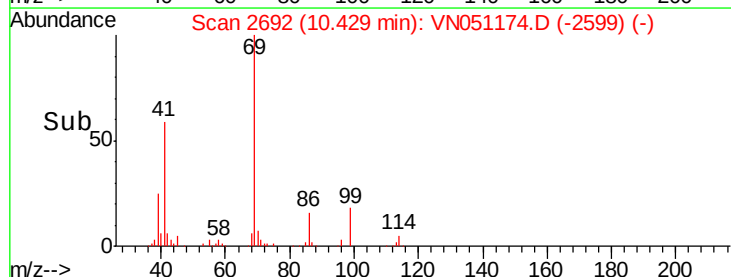
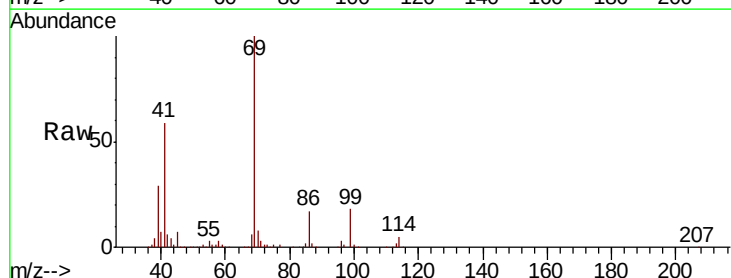
Manual Integrations
 APPROVED

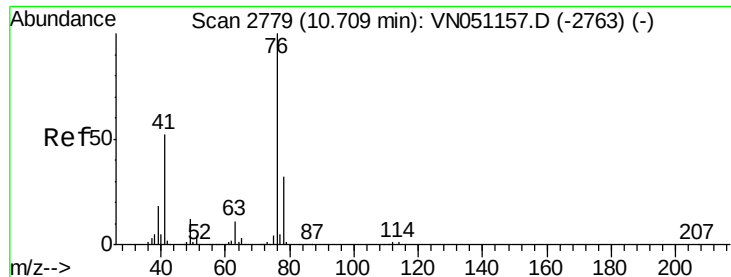
MMDadoda
 9/17/2018 1:39:32 PM



#56
 Ethyl methacrylate
 Concen: 43.48 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion:	69	Resp:	354169
Ion Ratio	Lower	Upper	
69	100		
41	58.8	47.8	71.8
39	29.1	23.0	34.4





#57

1,3-Dichloropropane

Concen: 48.38 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 490639

Ion Ratio Lower Upper

76 100

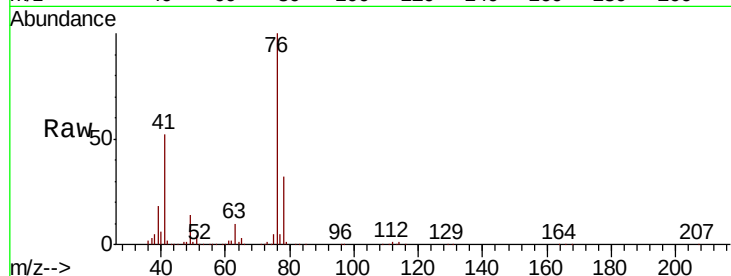
78 32.3 26.1 39.1

Manual Integrations

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9/17/2018 1:39:32 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

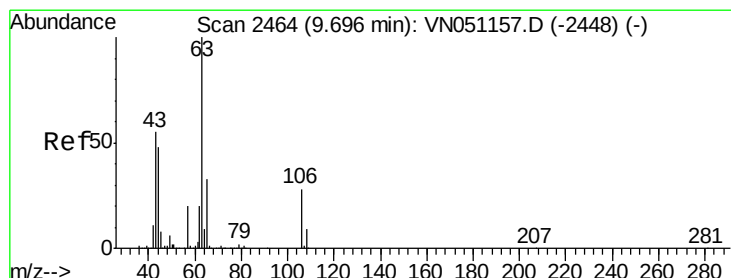
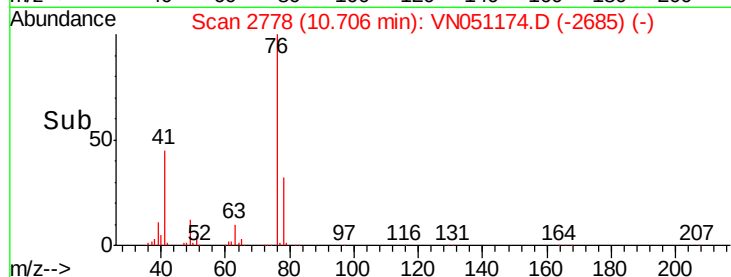
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 210.23 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN051174.D

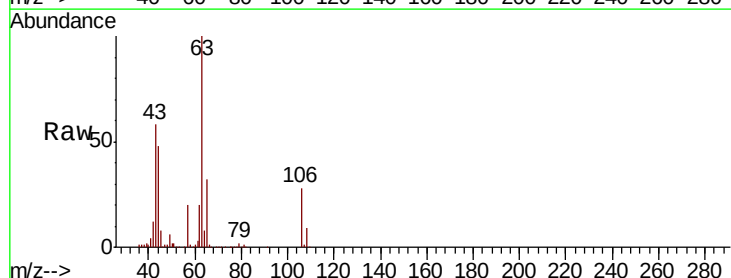
Acq: 14 Sep 2018 8:23

Tgt Ion: 63 Resp: 716570

Ion Ratio Lower Upper

63 100

106 28.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

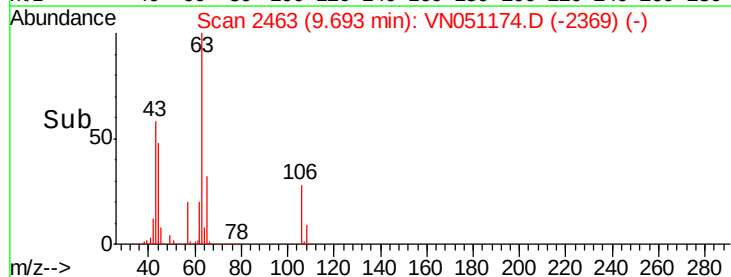
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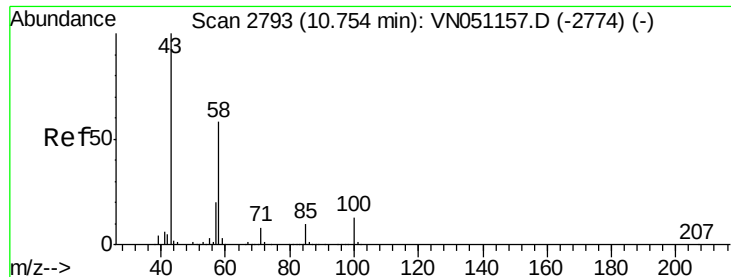
200000

100000

0

Time-->





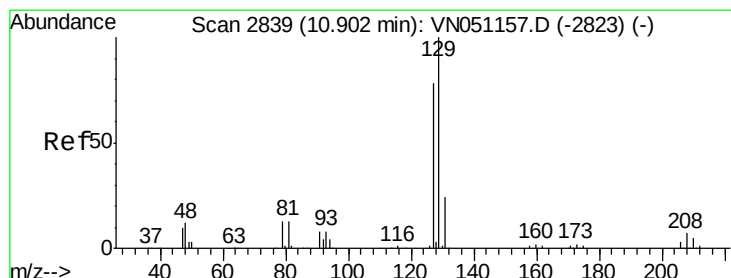
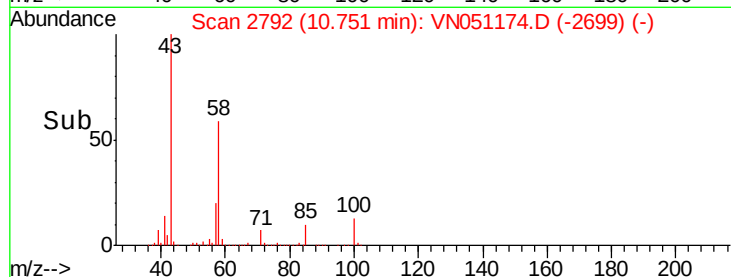
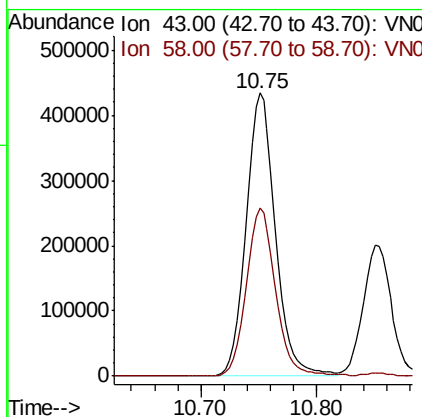
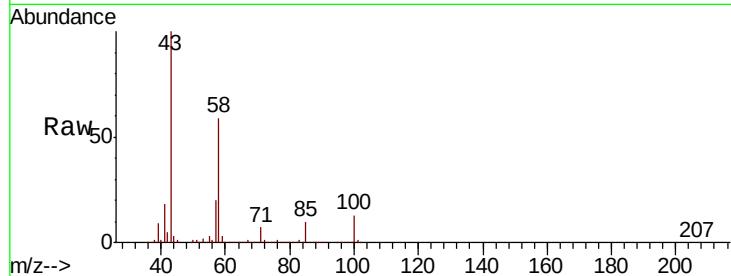
#59
2-Hexanone
Concen: 216.94 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.4	29.3	88.0

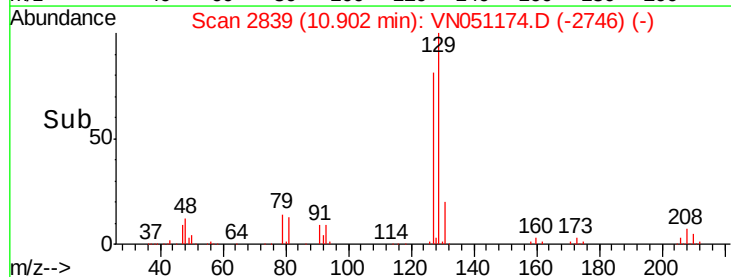
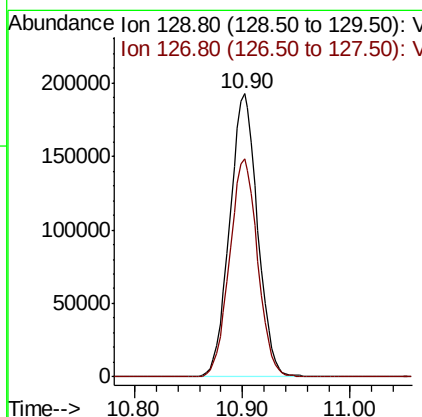
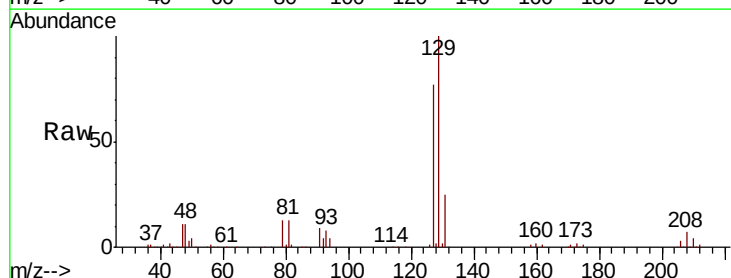
Manual Integrations
APPROVED

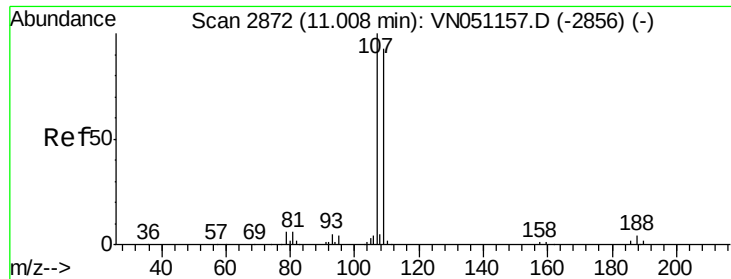
MMDadoda
9/17/2018 1:39:32 PM



#60
Dibromochloromethane
Concen: 50.47 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.5	115.5





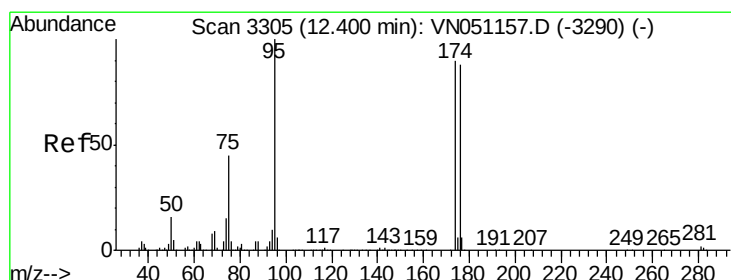
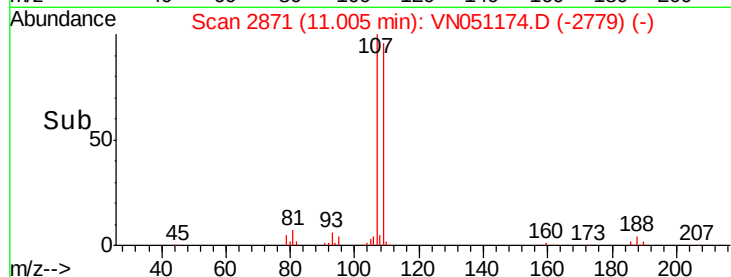
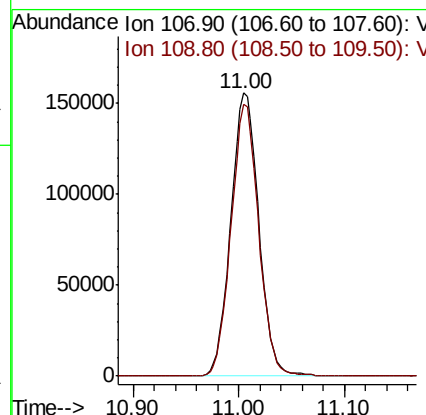
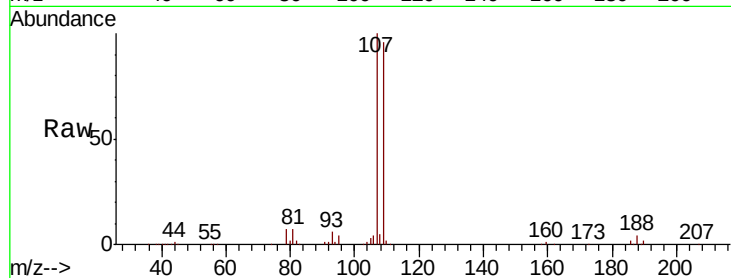
#61
 1,2-Dibromoethane
 Concen: 47.82 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.0	114.0

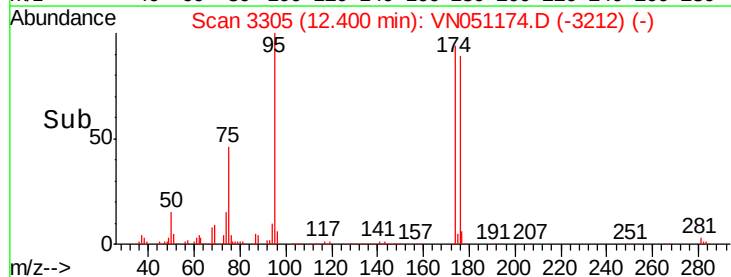
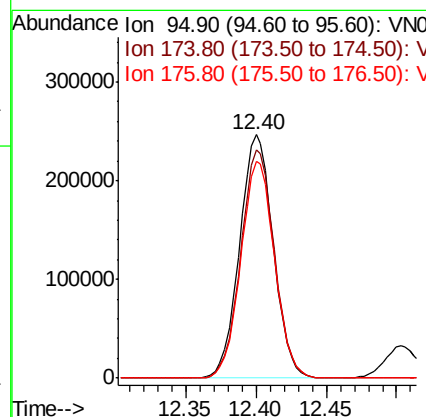
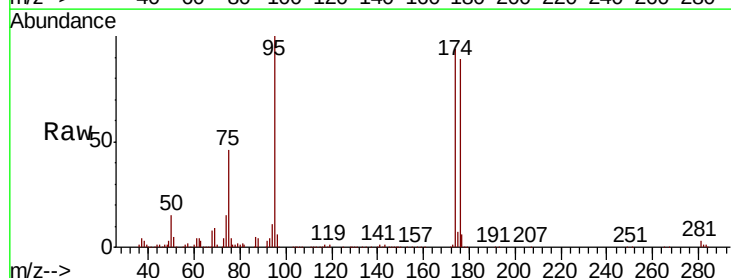
Manual Integrations
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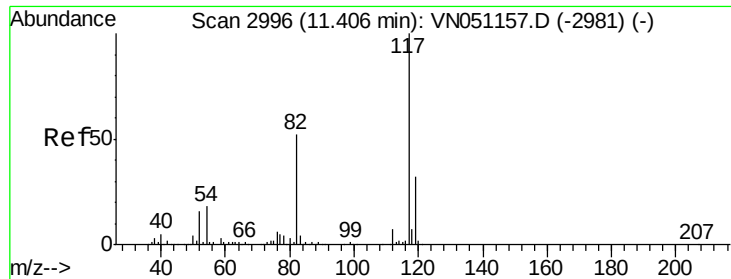
MMDadoda
 9/17/2018 1:39:32 PM



#62
 4-Bromofluorobenzene
 Concen: 52.21 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	184.8
176	89.5	0.0	178.6





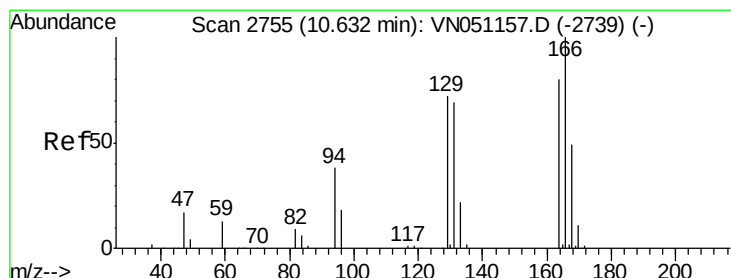
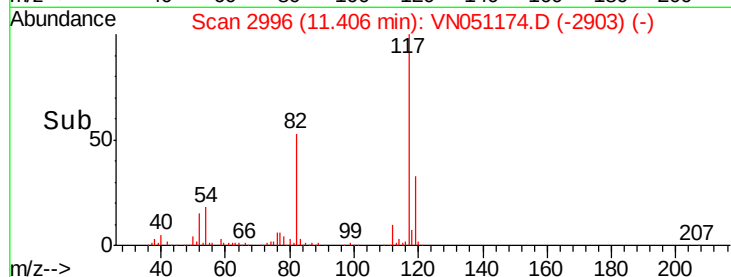
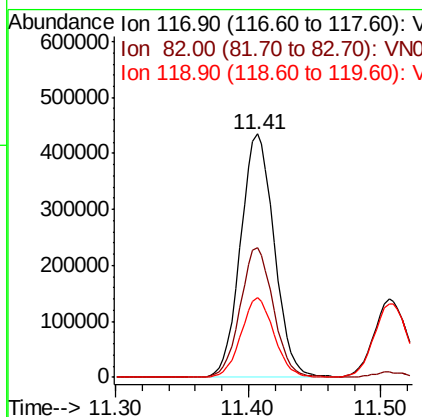
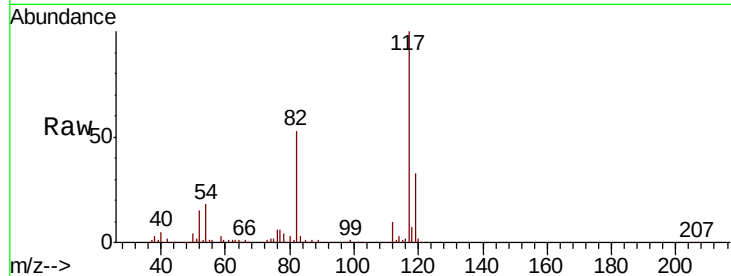
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.1	41.8	62.6
119	32.5	26.2	39.2

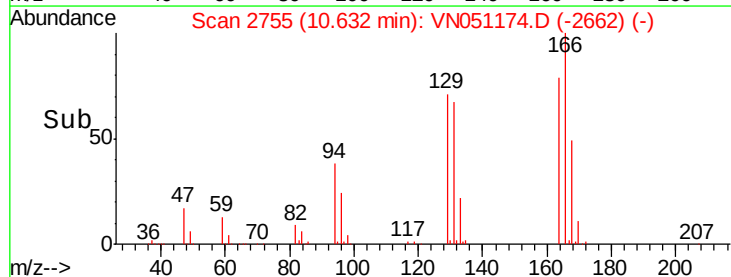
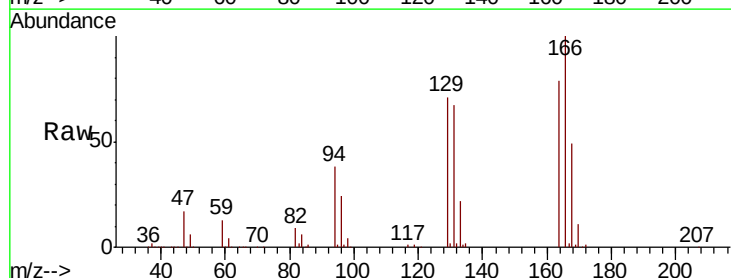
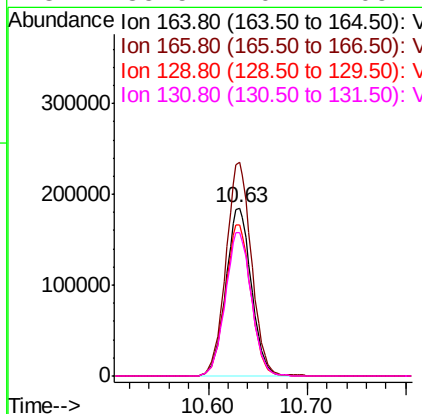
Manual Integrations
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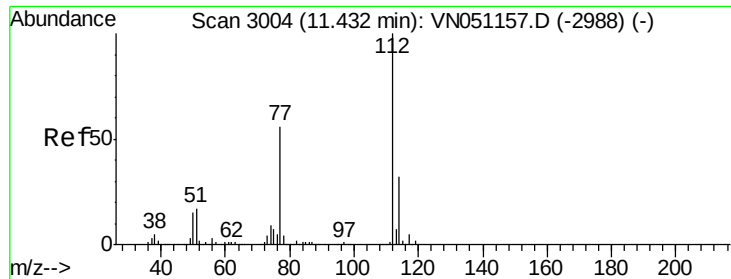
MMDadoda
9/17/2018 1:39:32 PM



#64
Tetrachloroethene
Concen: 47.97 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.9	101.3	151.9
129	89.9	72.2	108.2
131	85.5	70.2	105.2





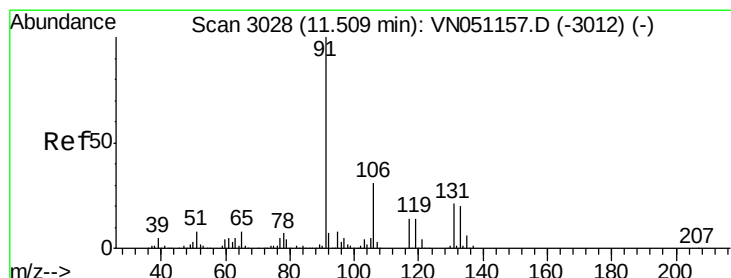
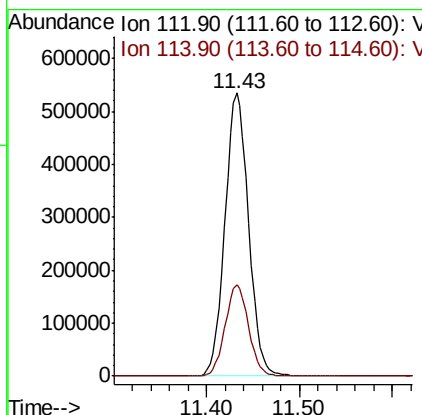
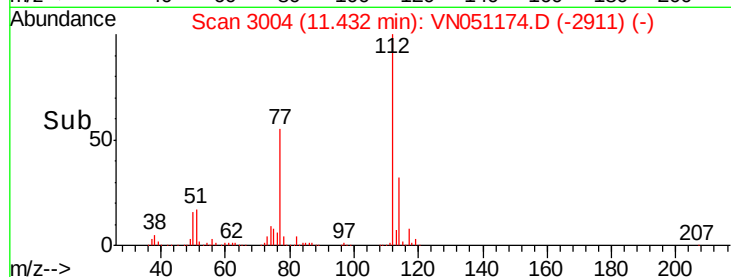
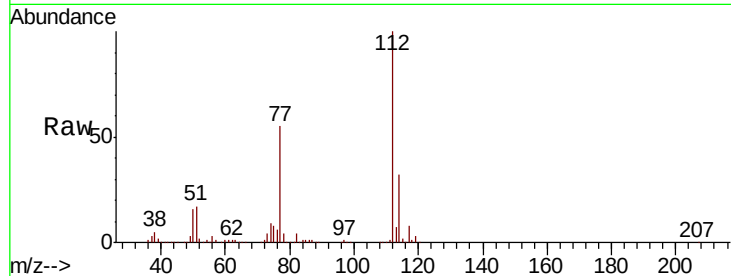
#65
Chlorobenzene
Concen: 48.74 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

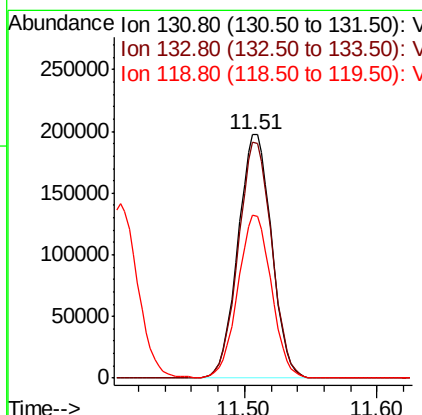
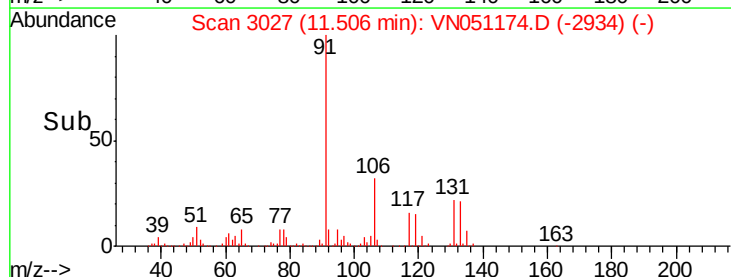
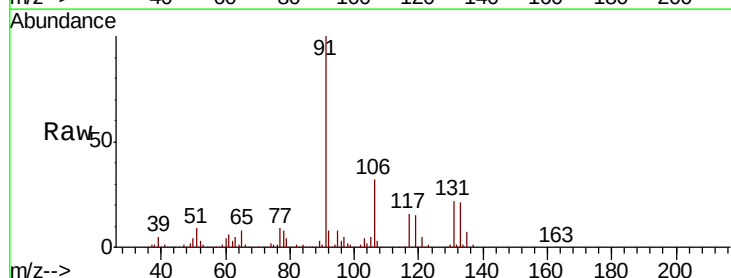
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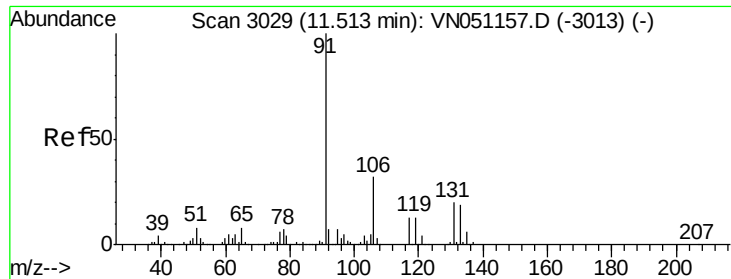
MMDadoda
9/17/2018 1:39:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.96 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.5	142.6
119	66.7	33.2	99.6





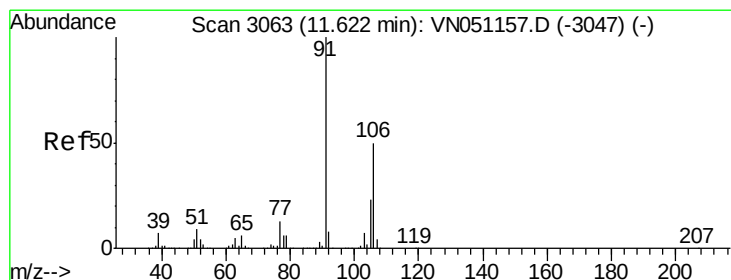
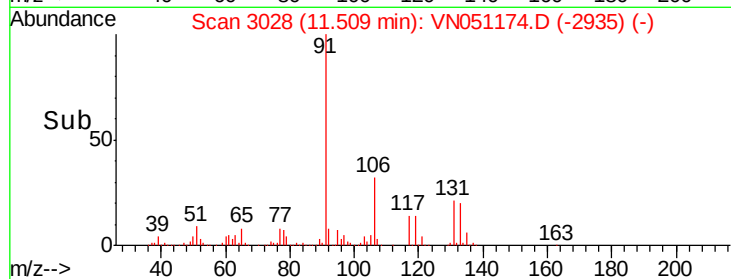
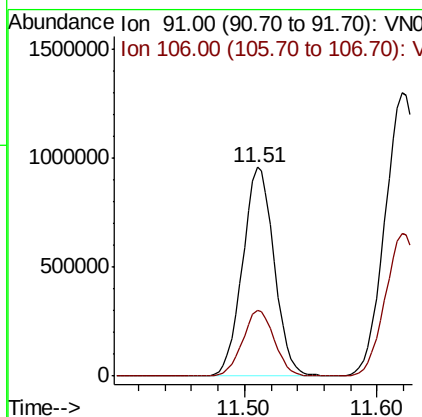
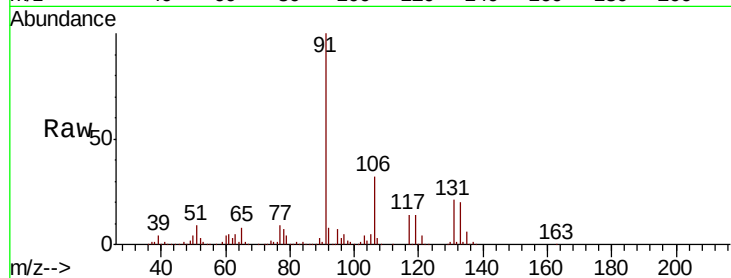
#67
Ethyl Benzene
Concen: 50.52 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1579799
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

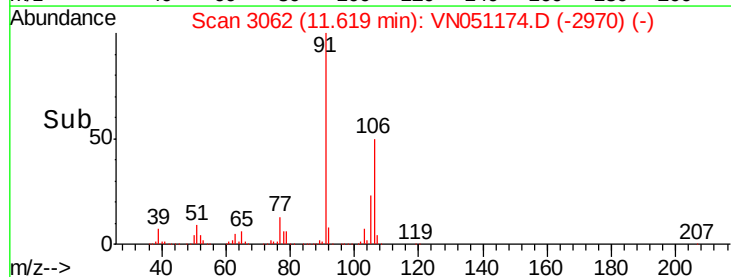
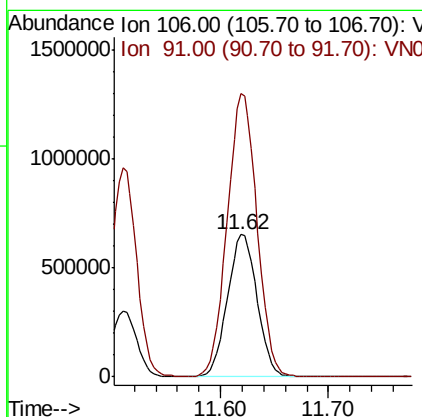
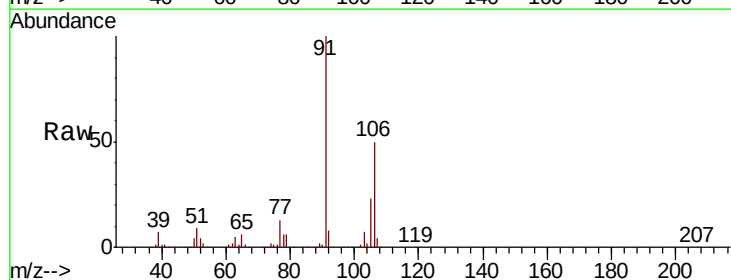
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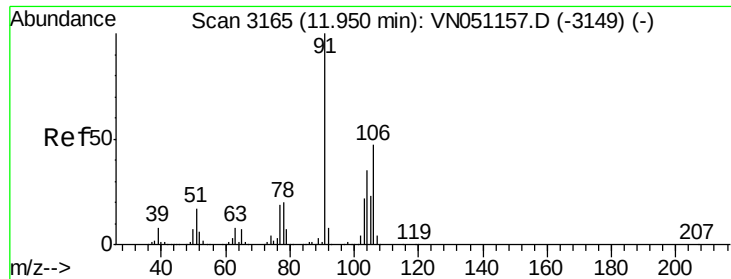
MMDadoda
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#68
m/p-Xylenes
Concen: 103.96 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion: 106 Resp: 1248970
Ion Ratio Lower Upper
106 100
91 199.6 159.8 239.6





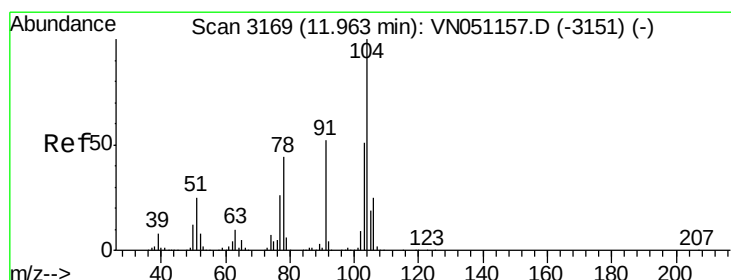
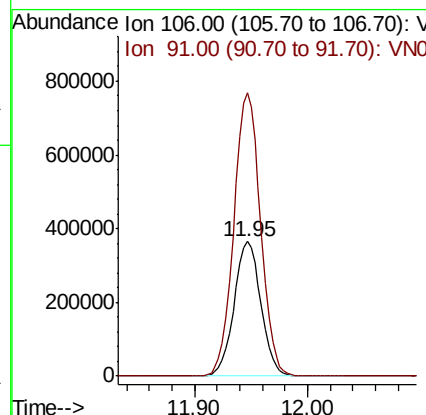
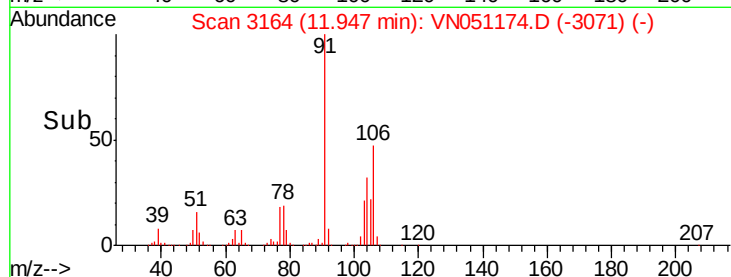
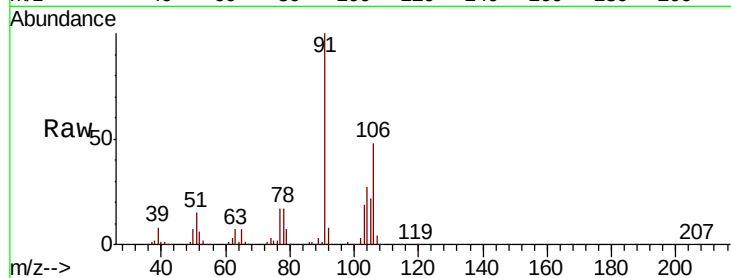
#69
o-Xylene
Concen: 51.51 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.1	105.1	315.1

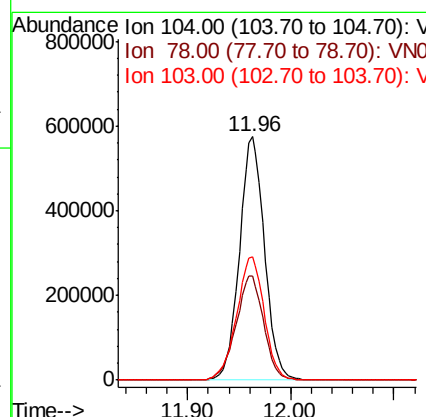
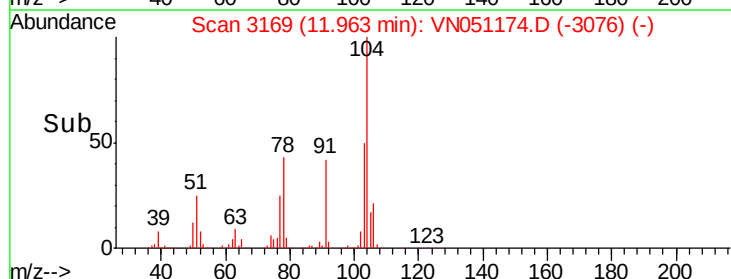
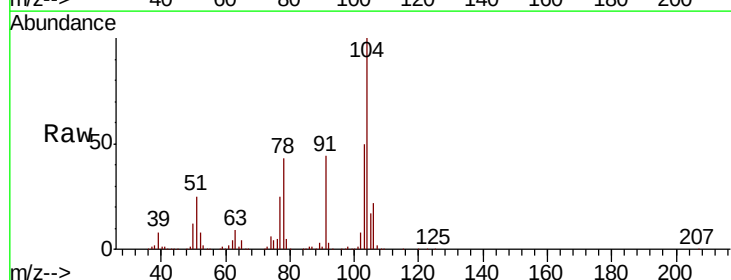
Manual Integrations
APPROVED

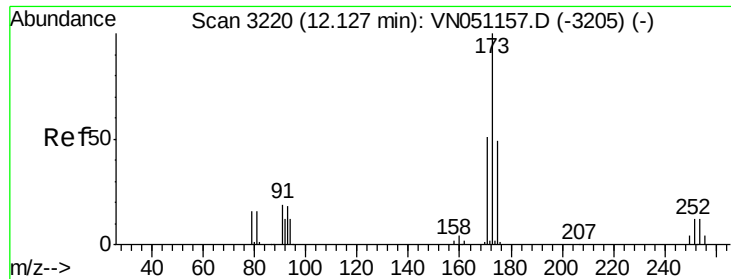
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#70
Styrene
Concen: 53.83 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.7	56.5
103	55.6	44.6	67.0





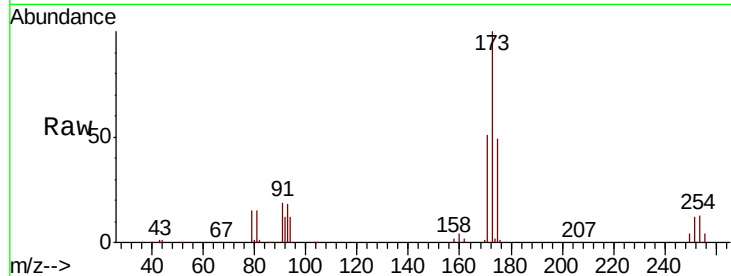
#71
Bromoform
Concen: 48.59 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.1	0.0	0.0

Manual Integrations
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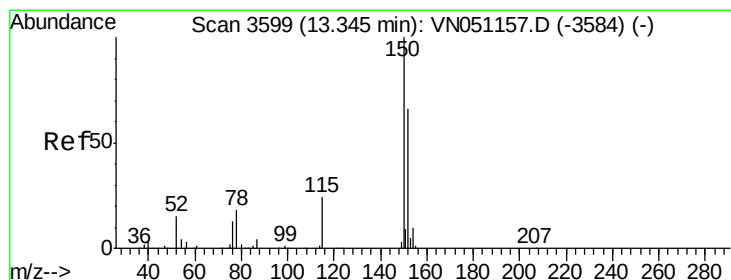
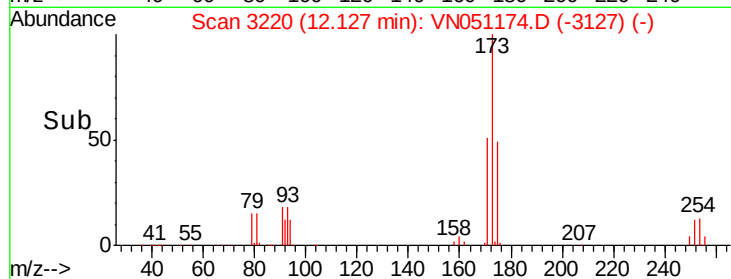
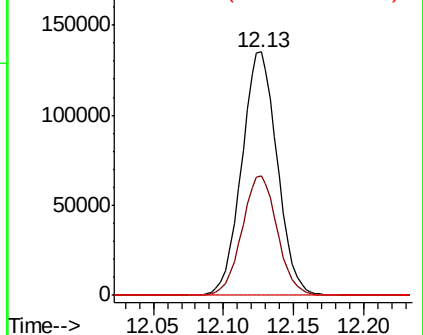


Abundance

Ion 172.70 (172.40 to 173.40): V

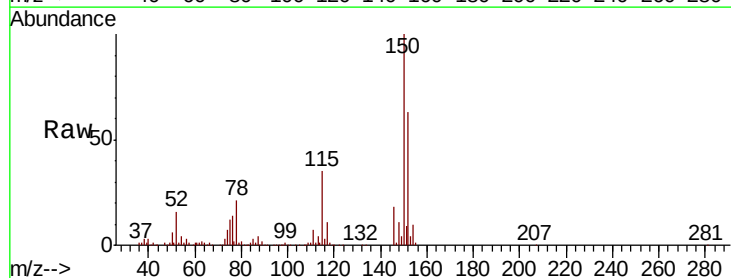
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	28.2	84.7
150	174.4	0.0	349.0

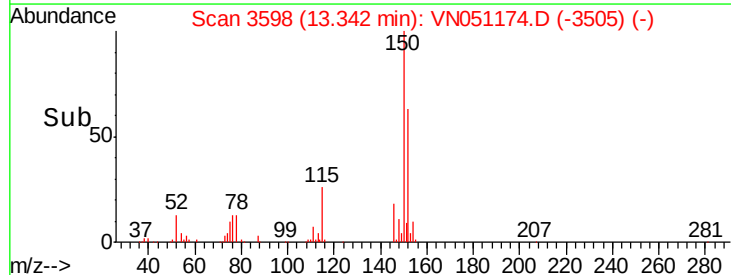
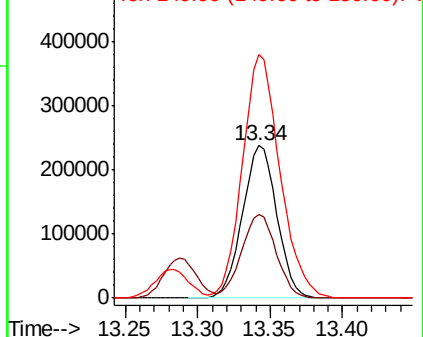


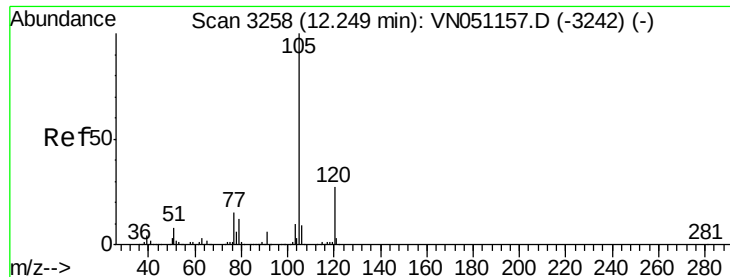
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.38 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1593423

Ion Ratio Lower Upper

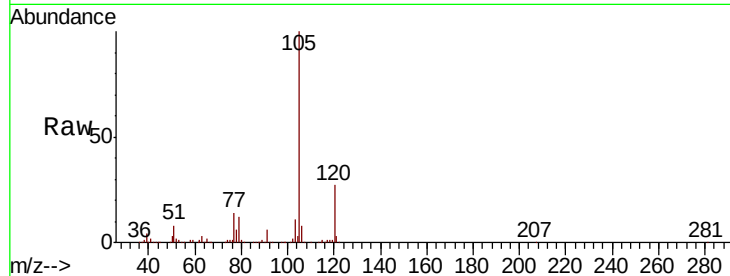
105 100

120 27.1 13.6 40.7

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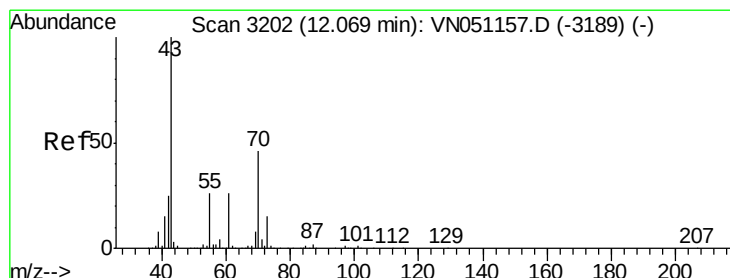
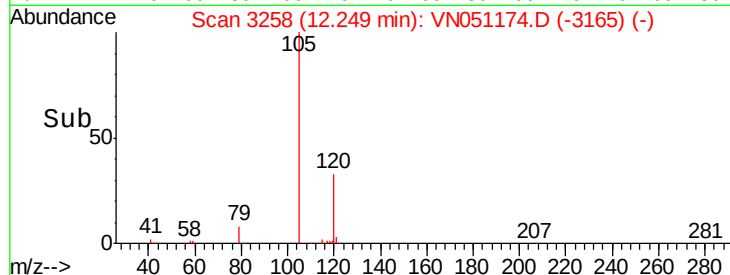
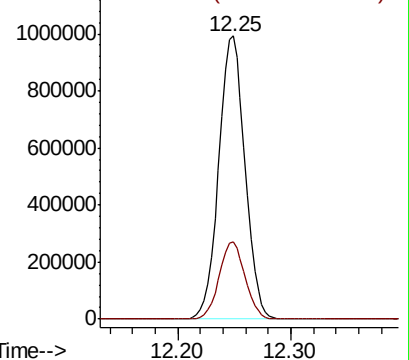
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.75 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Tgt Ion: 43 Resp: 337761

Ion Ratio Lower Upper

43 100

70 46.3 37.0 55.4

55 28.1 21.3 31.9

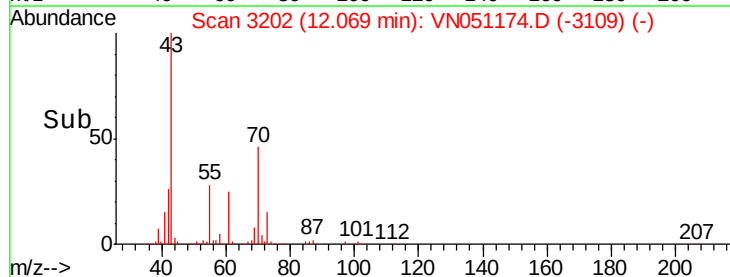
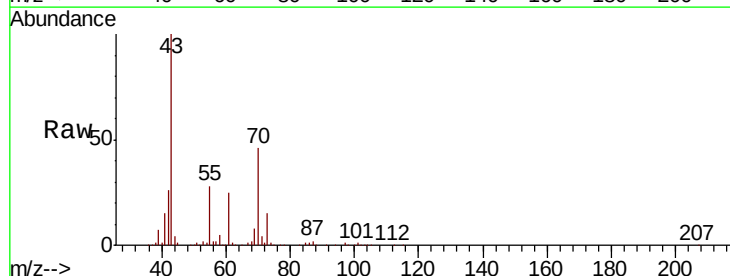
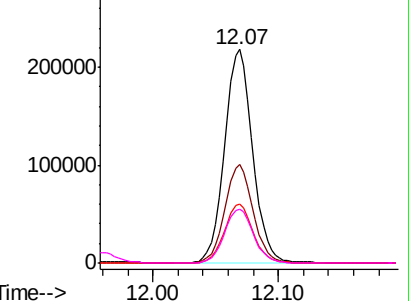
61 26.0 20.7 31.1

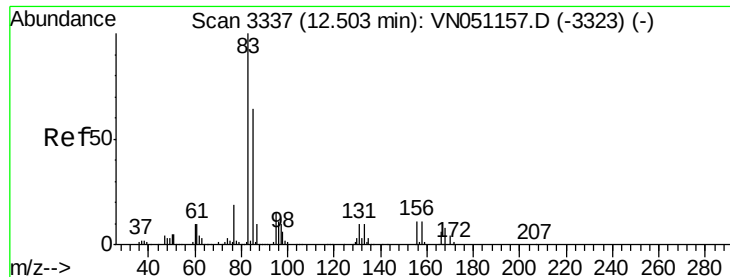
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.00 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 355897
Ion Ratio Lower Upper

83 100

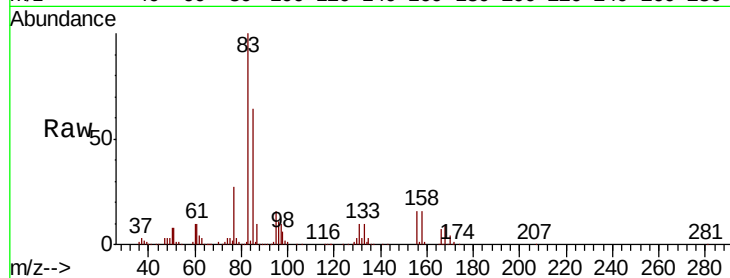
131 10.6 5.3 16.1

85 64.0 32.3 96.8

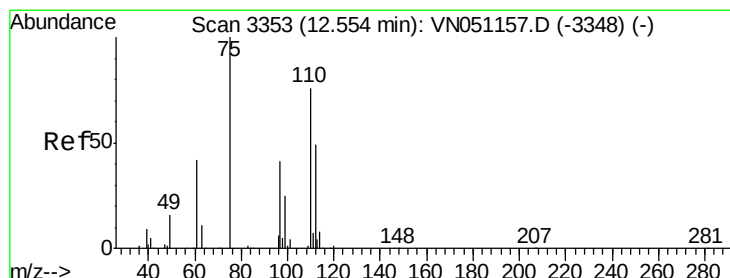
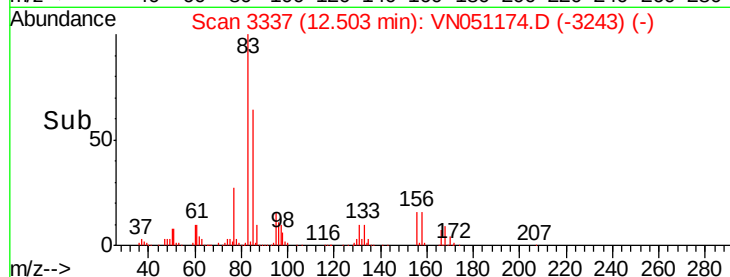
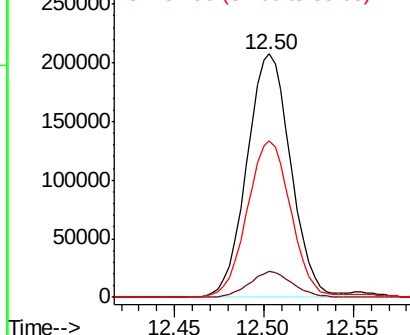
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 44.80 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

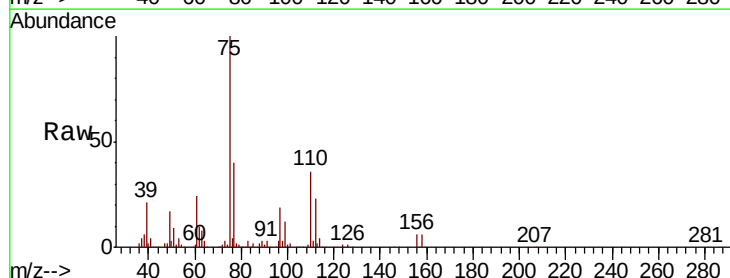
Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

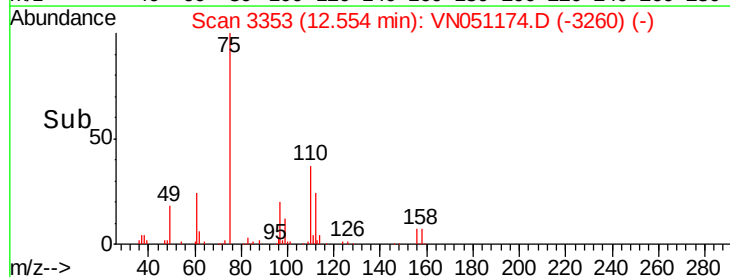
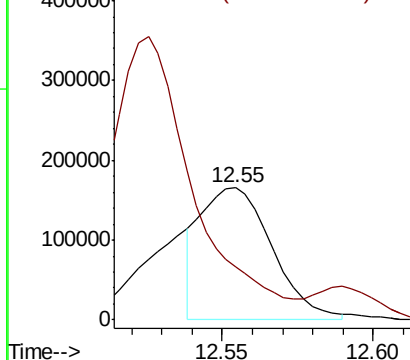
Tgt Ion: 75 Resp: 273738
Ion Ratio Lower Upper

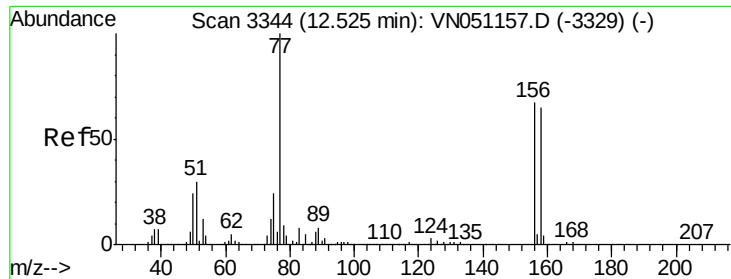
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 45.63 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

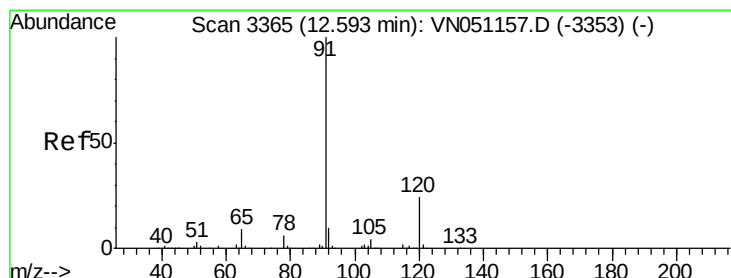
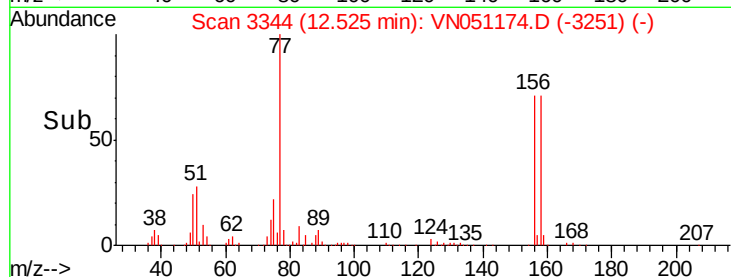
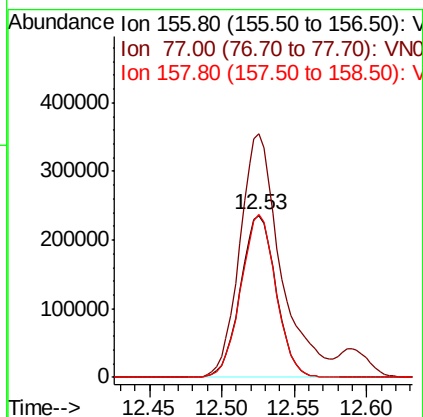
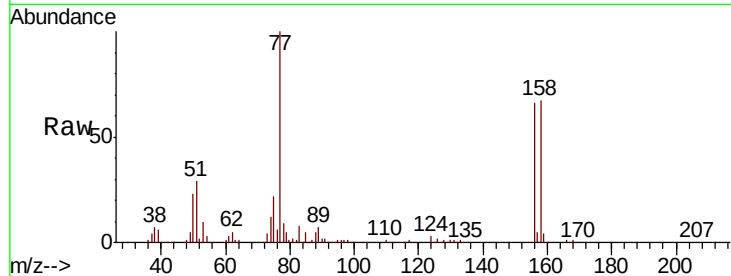
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		403723		
77	171.3	87.5	262.6		
158	98.9	49.0	147.2		

Manual Integrations
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#78

n-propylbenzene

Concen: 49.73 ug/l

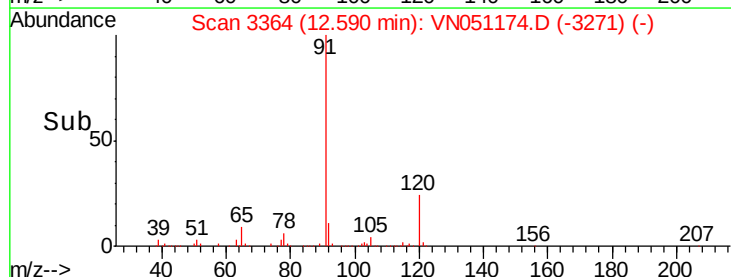
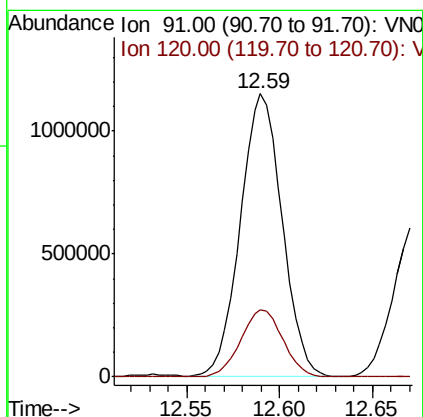
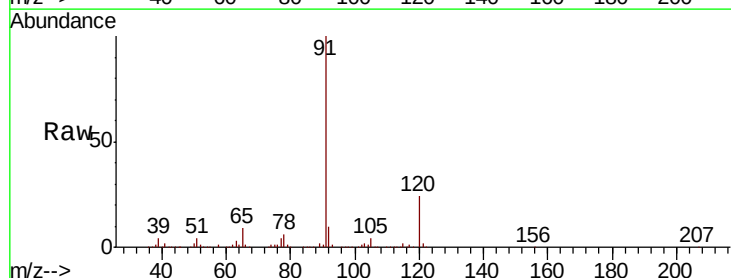
RT: 12.59 min Scan# 3364

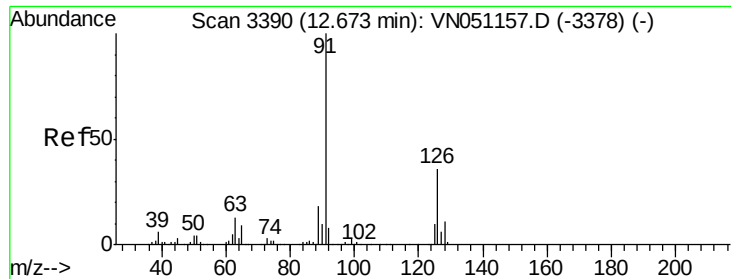
Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1800285		
120	24.0	12.0	36.0		





#79

2-Chlorotoluene

Concen: 47.28 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1069822

Ion Ratio Lower Upper

91 100

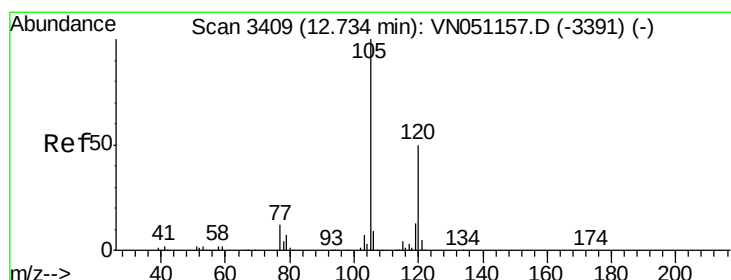
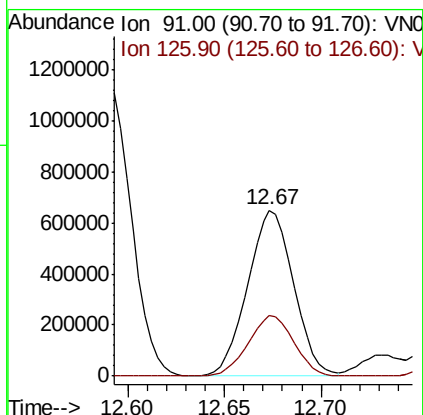
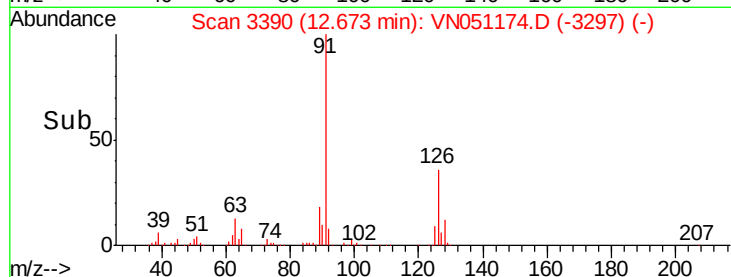
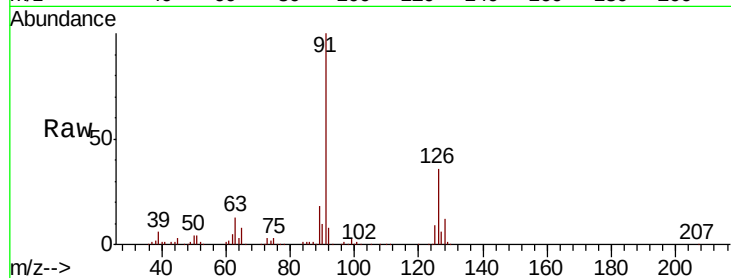
126 36.3 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.56 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051174.D

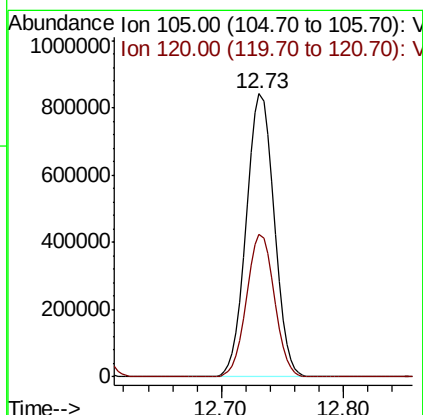
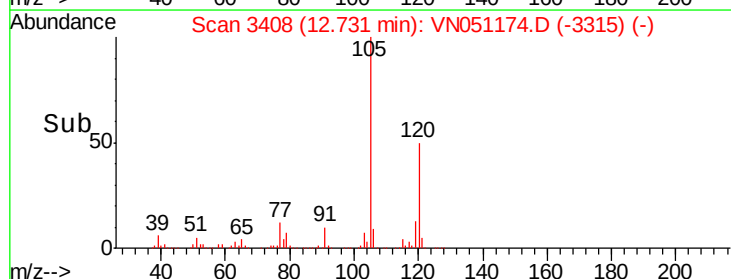
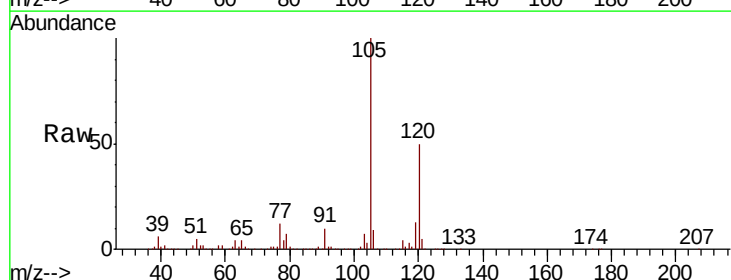
Acq: 14 Sep 2018 8:23

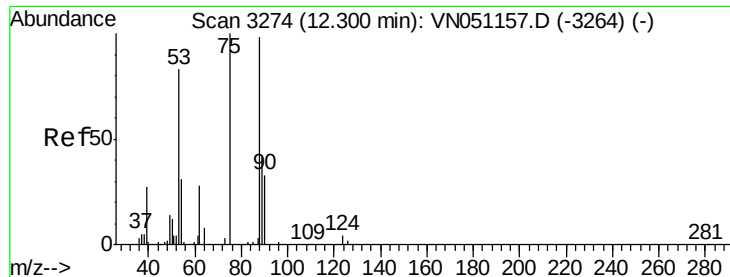
Tgt Ion: 105 Resp: 1319864

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6





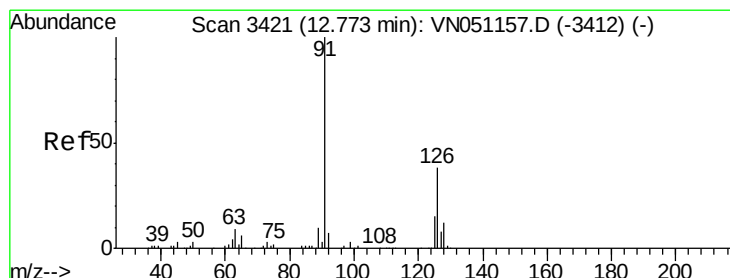
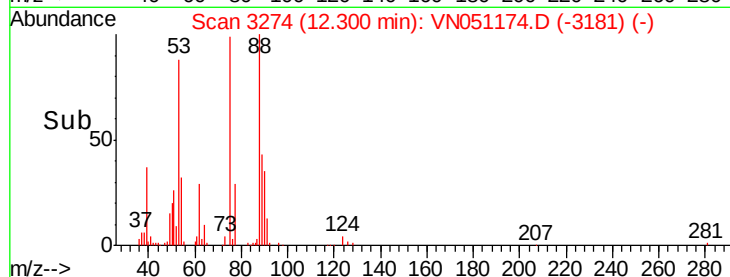
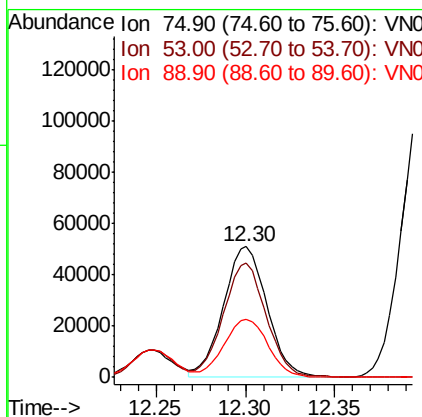
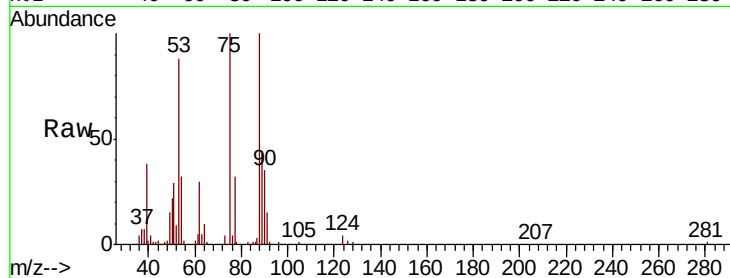
#81
trans-1,4-Dichloro-2-butene
Concen: 41.80 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.8	67.8	101.8
89	45.2	36.0	54.0

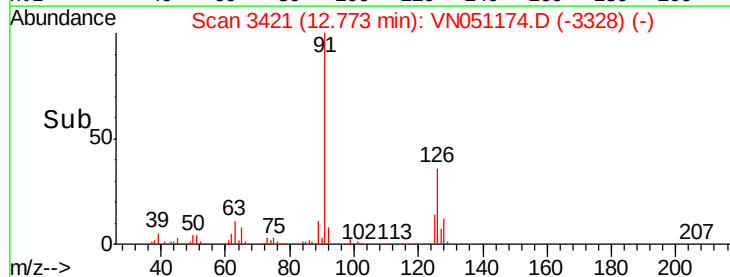
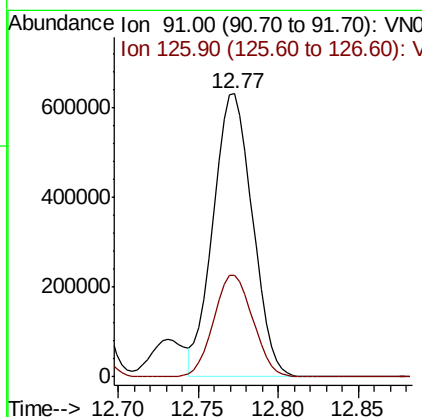
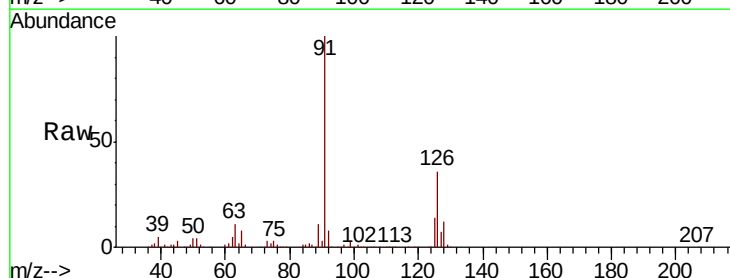
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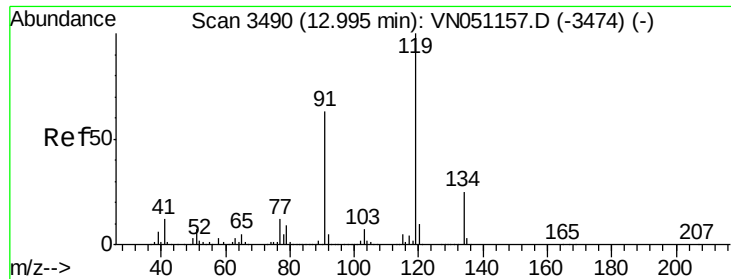
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#82
4-Chlorotoluene
Concen: 47.58 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051174.D
Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.6	52.8





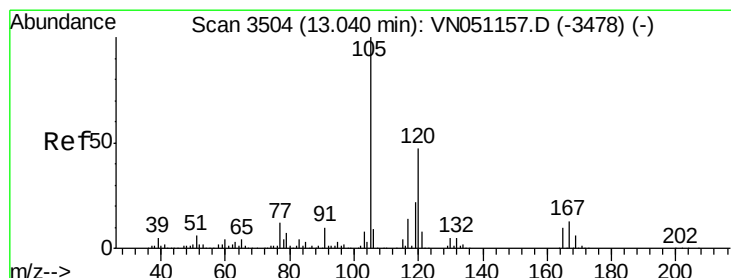
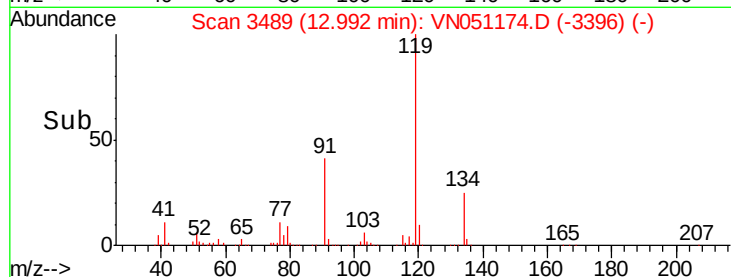
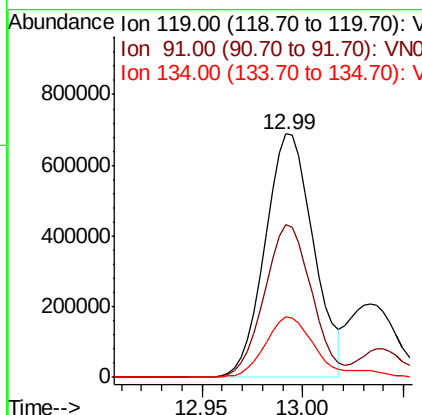
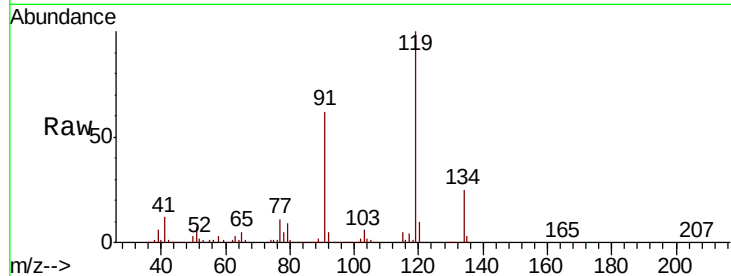
#83
 tert-Butylbenzene
 Concen: 48.83 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.8	92.3
134	26.8	13.2	39.6

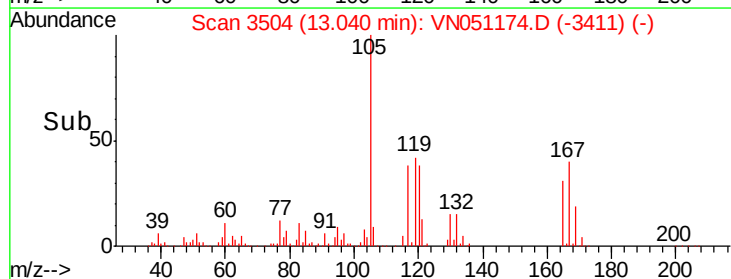
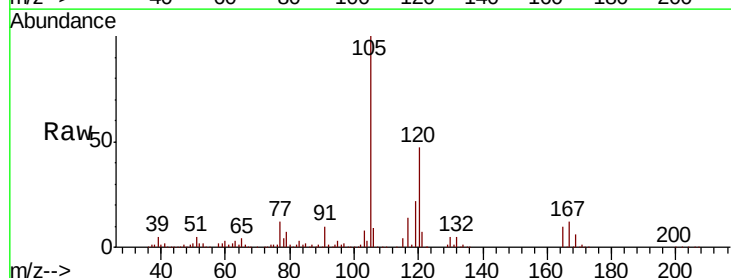
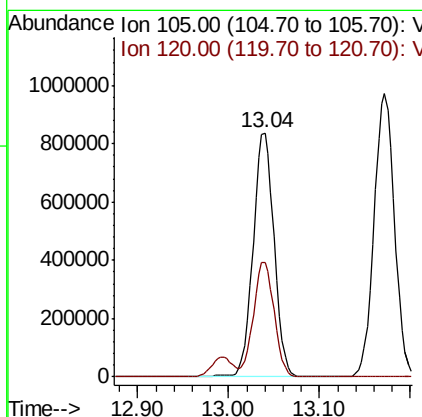
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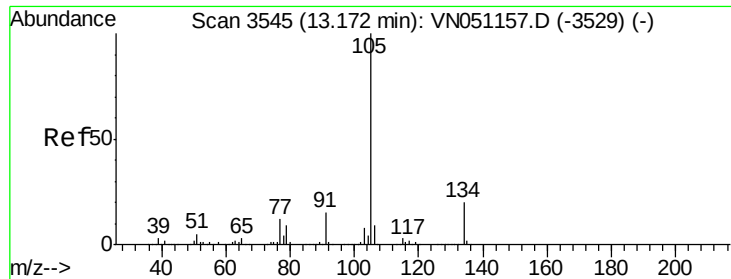
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 9/17/2018 1:39:32 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.08 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.8





#85

sec-Butylbenzene

Concen: 49.99 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1507353

Ion Ratio Lower Upper

105 100

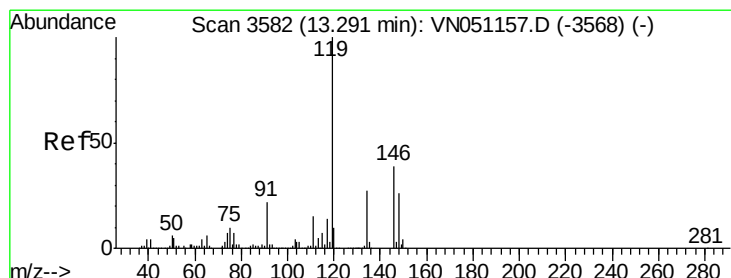
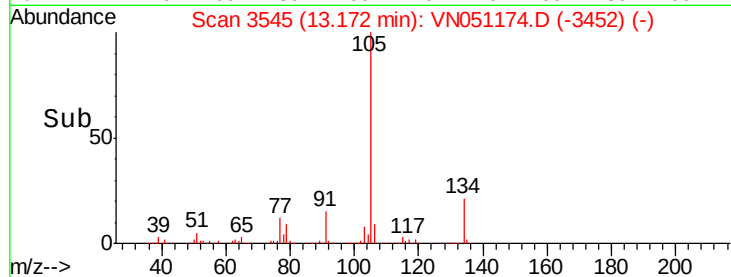
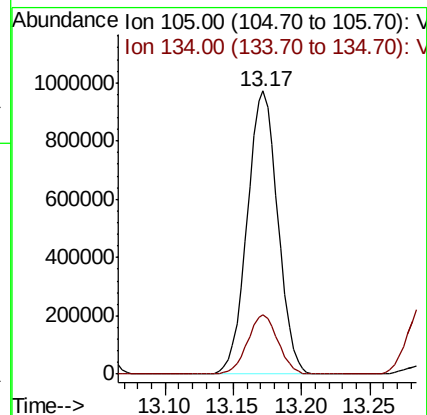
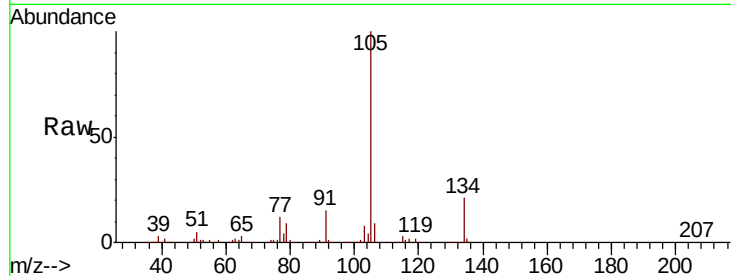
134 20.8 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.15 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

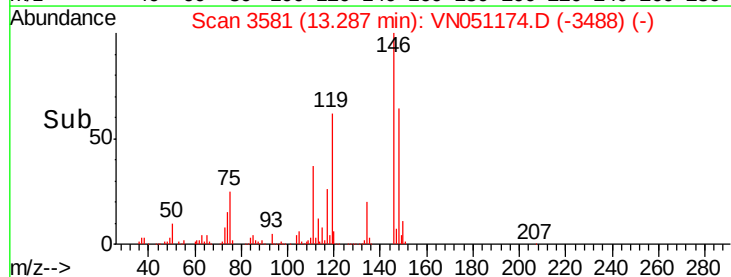
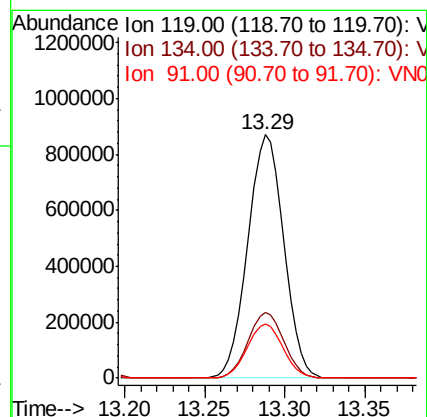
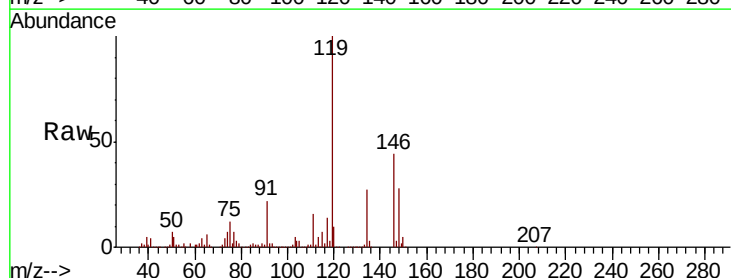
Tgt Ion:119 Resp: 1333271

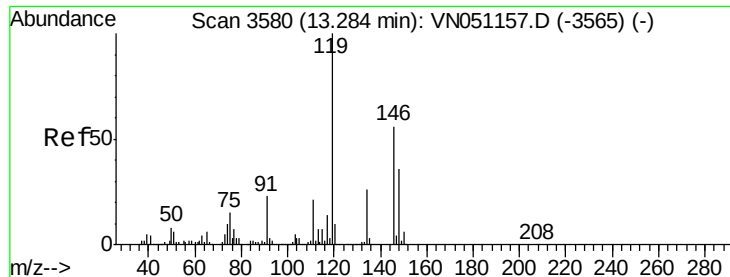
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.0 10.9 32.9





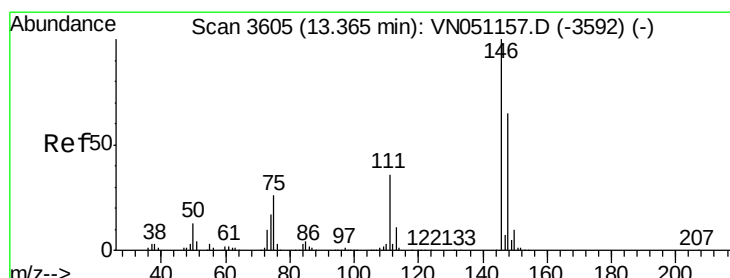
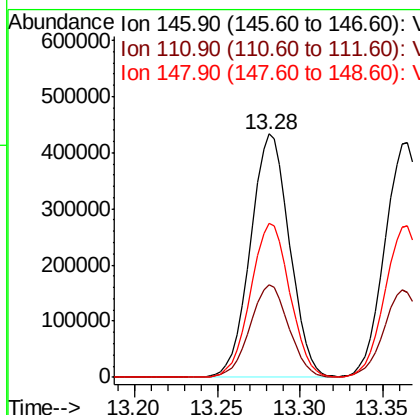
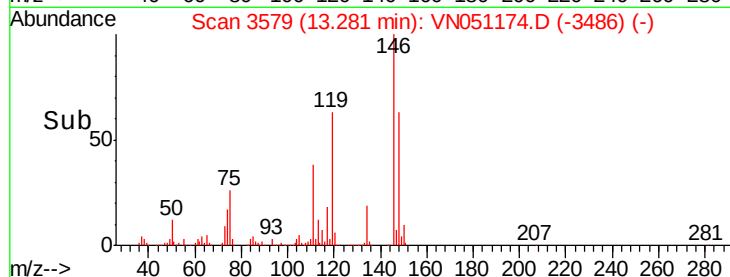
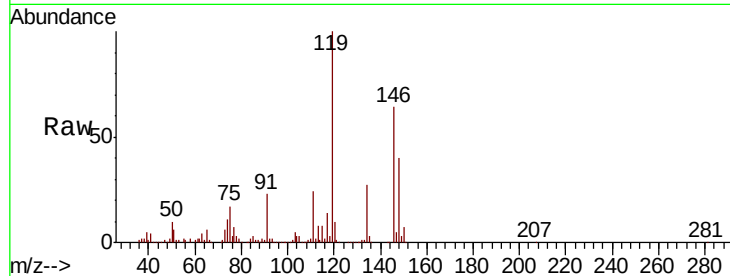
#87
 1,3-Dichlorobenzene
 Concen: 47.22 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	708687
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.1	57.1
148	63.6	32.2	96.6

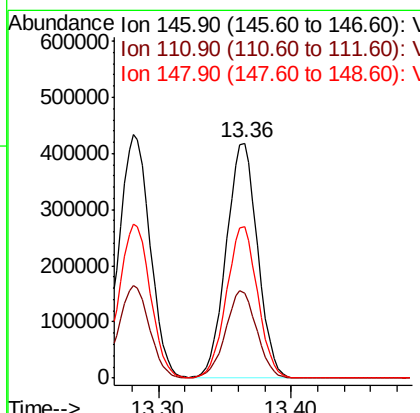
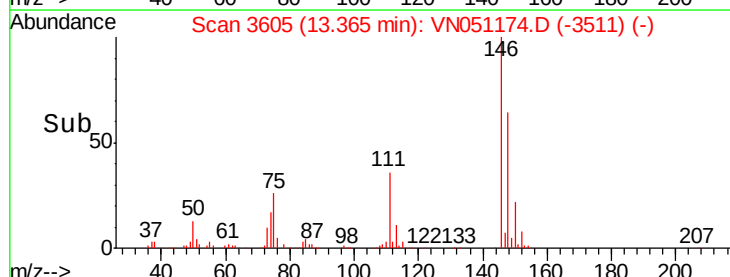
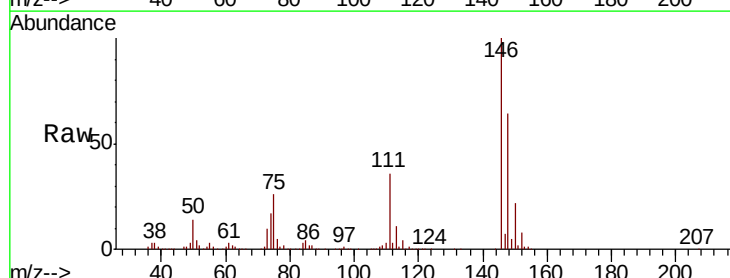
Manual Integrations
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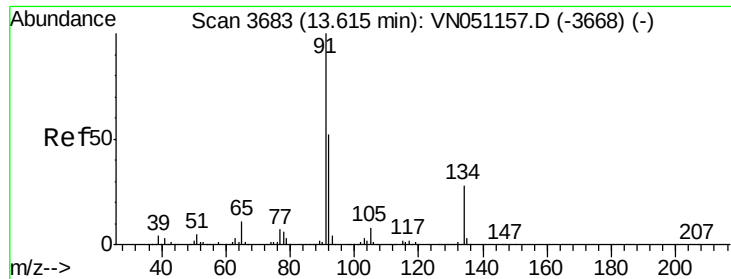
MMDadoda
 9/17/2018 1:39:32 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.75 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion:	146	Resp:	685529
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.4	55.0
148	64.2	32.2	96.6





#89

n-Butylbenzene

Concen: 52.06 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

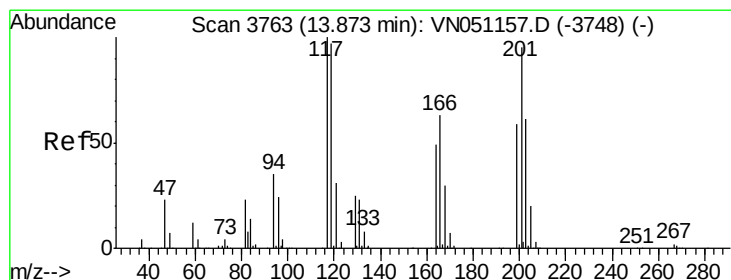
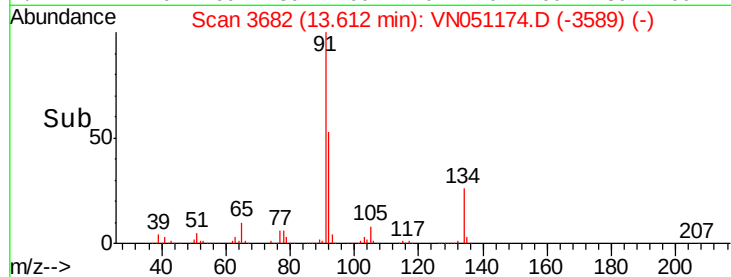
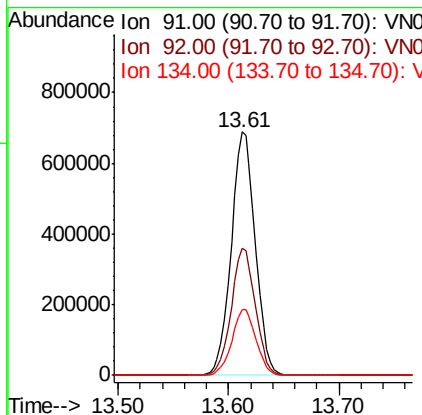
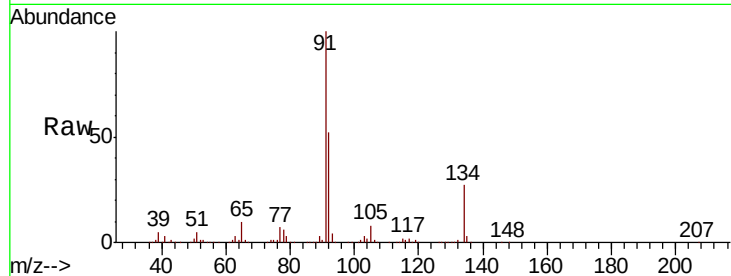
ClientSampled :

VSTDCCC050

Tot Ion:	91	Resp:	1035811
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.6
134	27.3	13.7	41.1

Manual Integrations
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#90

Hexachloroethane

Concen: 51.17 ug/l

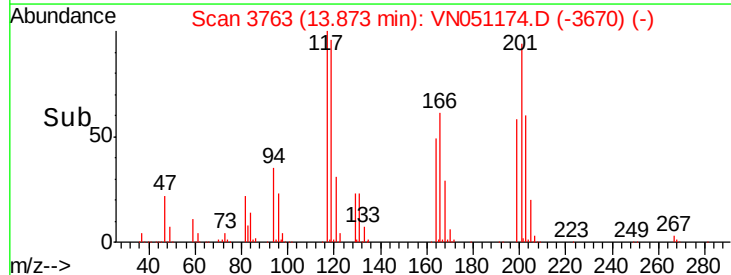
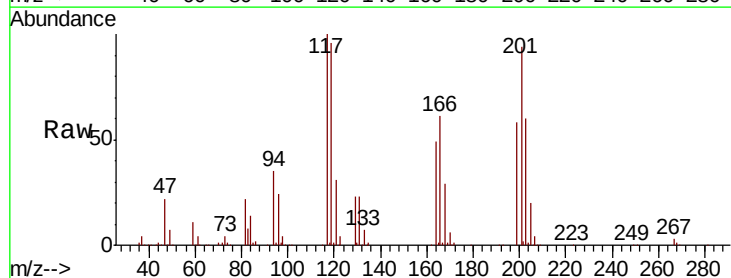
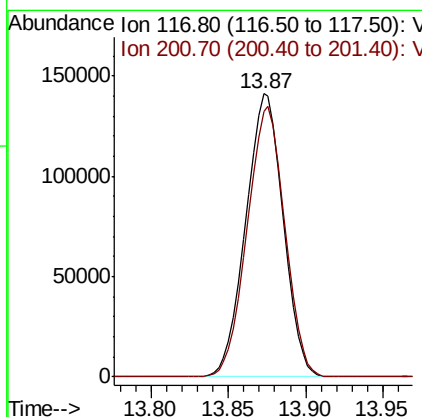
RT: 13.87 min Scan# 3763

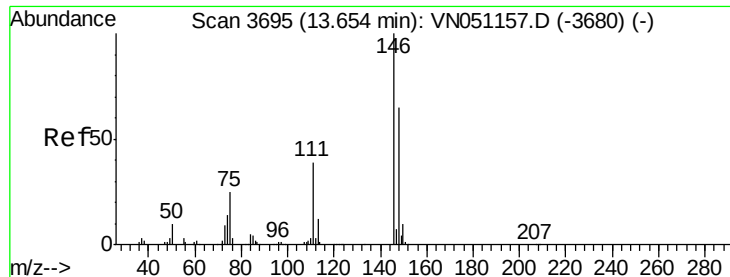
Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Tgt Ion:	117	Resp:	238095
Ion	Ratio	Lower	Upper
117	100		
201	95.8	47.3	142.0





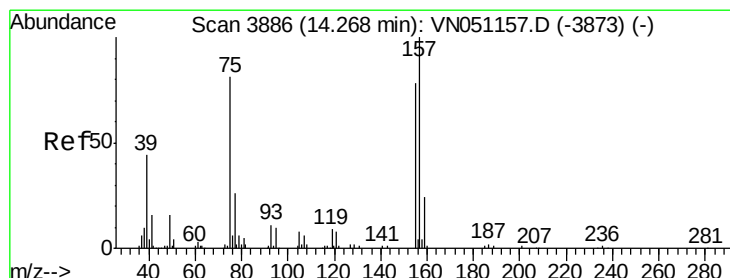
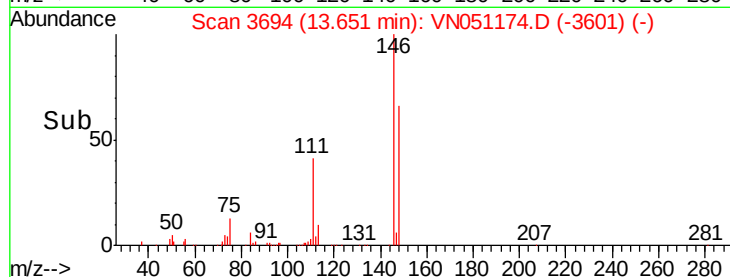
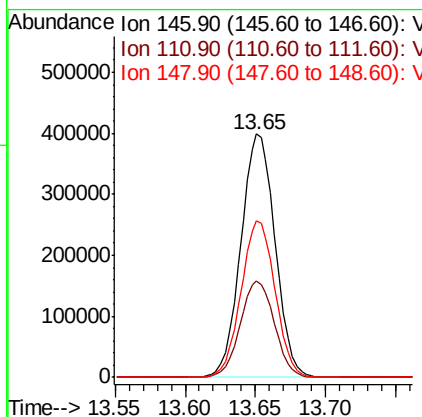
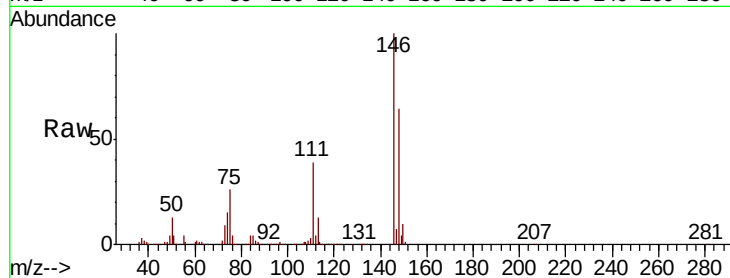
#91
 1,2-Dichlorobenzene
 Concen: 46.15 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.2	32.1	96.3

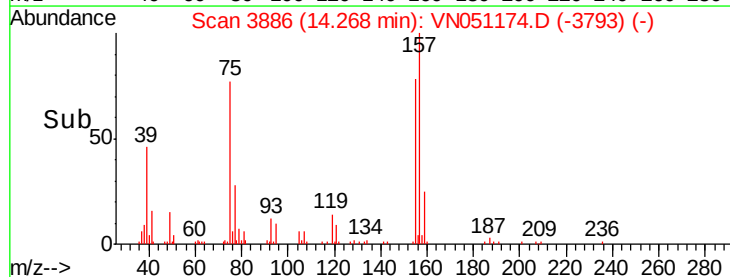
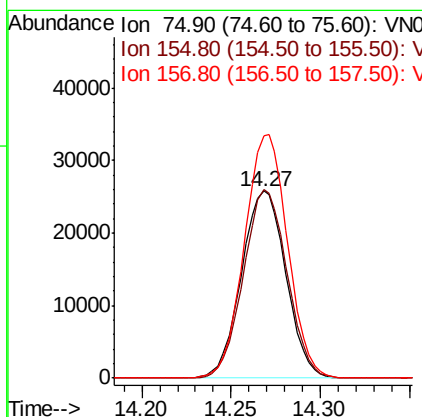
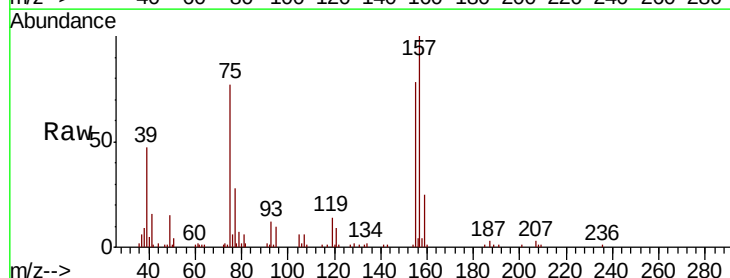
Manual Integrations
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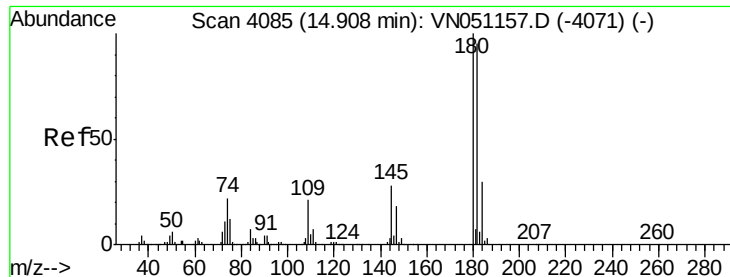
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.06 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	48.7	146.1
157	126.5	63.6	190.9





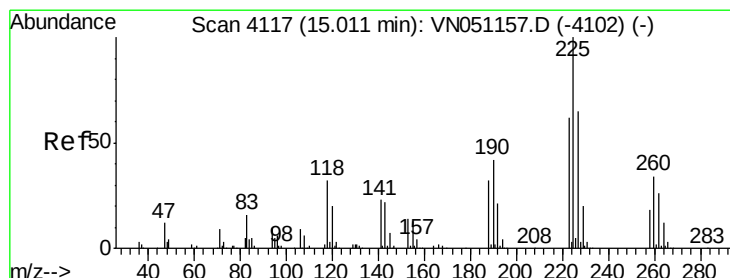
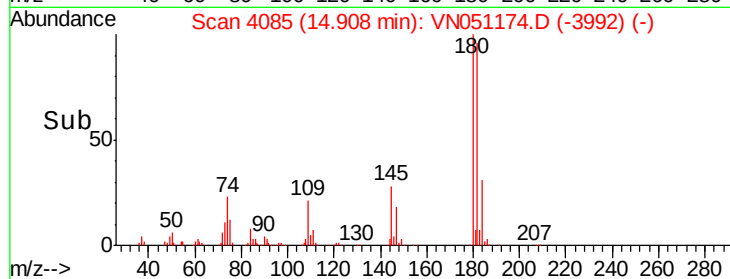
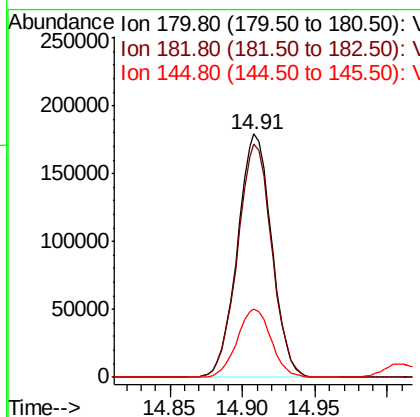
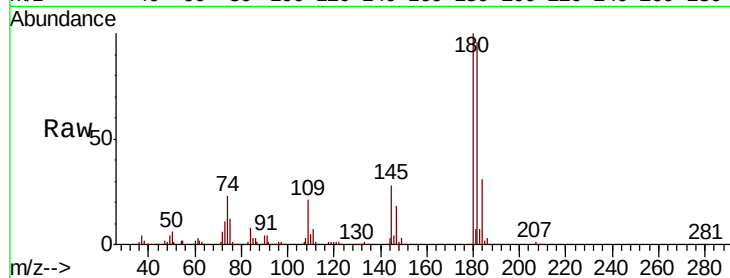
#93
 1,2,4-Trichlorobenzene
 Concen: 42.25 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	293854
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.3	141.8
145	28.0	14.2	42.6

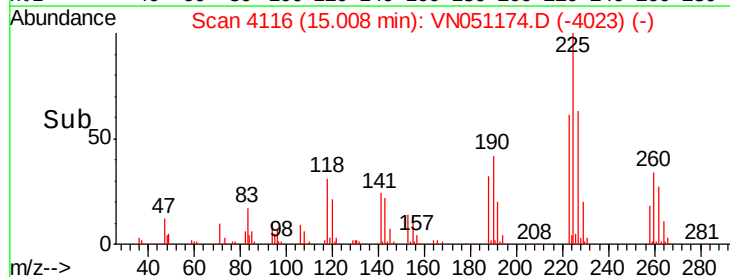
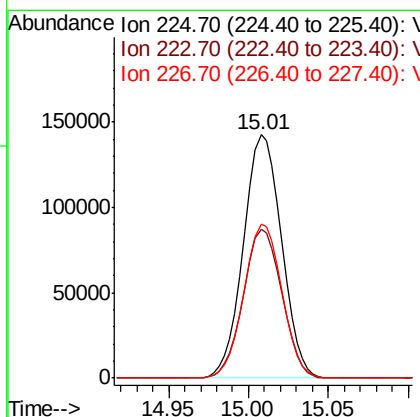
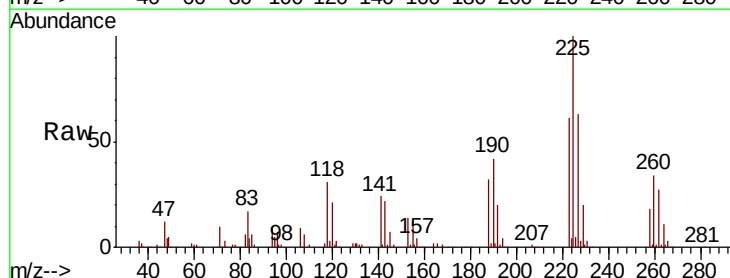
Manual Integrations
 APPROVED

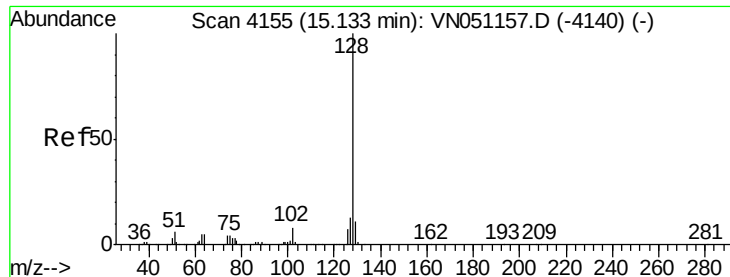
MMDadoda
 9/17/2018 1:39:32 PM



#94
 Hexachlorobutadiene
 Concen: 54.48 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051174.D
 Acq: 14 Sep 2018 8:23

Tgt Ion:	225	Resp:	231534
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.4	94.0
227	63.0	32.1	96.3





#95

Naphthalene

Concen: 36.10 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Instrument :

MSVOA_N

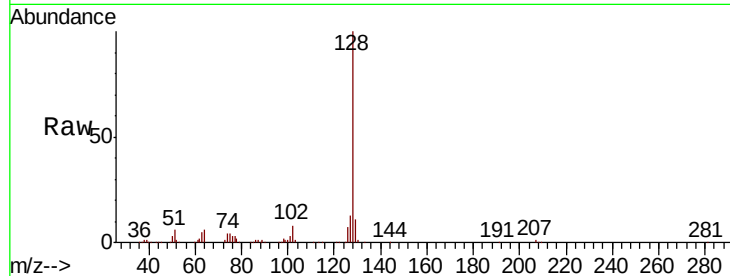
ClientSampled :

VSTDCCC050

Tot Ion:	128	Resp:	508580
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 1:39:32 PM

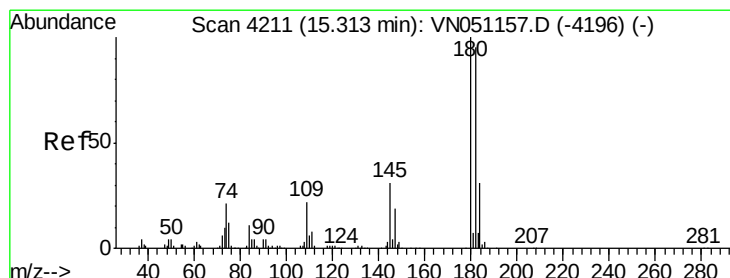
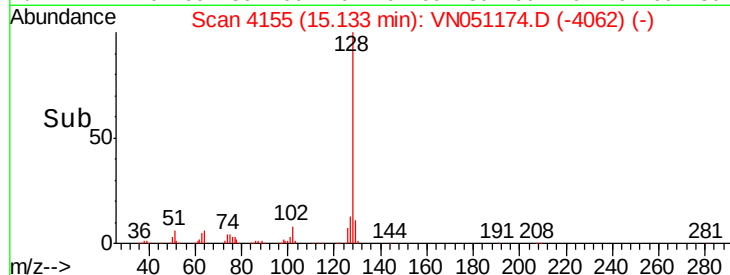
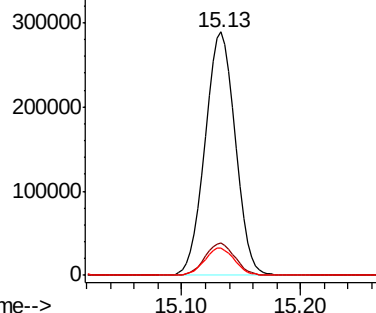


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 42.76 ug/l

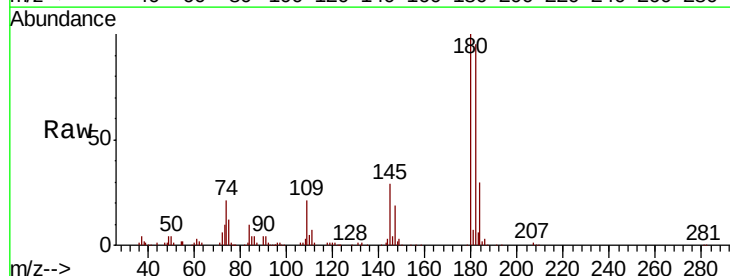
RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051174.D

Acq: 14 Sep 2018 8:23

Tgt Ion:	180	Resp:	285663
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.3
145	29.2	14.6	43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

