

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050037.D
 Acq On : 25 Jul 2018 8:56
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:53:43 PM

Quant Time: Jul 26 15:12:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:10:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	140394	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	731151	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	643623	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	290889	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	12.40	95	293125	30.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.00%
63) Toluene-d8	10.09	98	946855	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	218435	20.00	ug/l	98
3) Chloromethane	2.06	50	208828	20.00	ug/l	99
4) Vinyl Chloride	2.18	62	224296	20.00	ug/l	97
5) Bromomethane	2.56	94	134484	20.00	ug/l	99
6) Chloroethane	2.70	64	131633	20.00	ug/l	99
7) Trichlorofluoromethane	3.01	101	297982	20.00	ug/l	100
8) Diethyl Ether	3.41	74	91677	20.00	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	181843	20.00	ug/l	99
10) 1,1-Dichloroethene	3.73	96	156337	20.00	ug/l	95
11) Methyl Iodide	3.95	142	223121	20.00	ug/l	98
12) Methyl Acetate	4.33	43	178951	20.00	ug/l	100
13) Acrolein	3.61	56	47245	100.00	ug/l	94
14) Acrylonitrile	5.00	53	284283	100.00	ug/l	97
15) Acetone	3.82	58	80173	100.00	ug/l	97
16) Carbon Disulfide	4.05	76	473935	20.00	ug/l	100
17) Allyl chloride	4.32	41	236326	20.00	ug/l	100
18) Methylene Chloride	4.55	84	179033	20.00	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	166714	20.00	ug/l	99
20) Diisopropyl ether	5.96	45	505648	20.00	ug/l	96
21) 1,1-Dichloroethane	5.85	63	314921	20.00	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	180955	20.00	ug/l	98
23) tert-Butyl Alcohol	4.80	59	62787	100.00	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	413539	20.00	ug/l	99
25) Chloroform	7.37	83	322129	20.00	ug/l	97
26) Cyclohexane	7.65	56	248212	20.00	ug/l	100
29) 1,1-Dichloropropene	7.80	75	237995	20.00	ug/l	99
30) 2-Butanone	6.84	43	351332	100.00	ug/l	99
31) 2,2-Dichloropropane	6.83	77	259781	20.00	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	274916	20.00	ug/l	99
33) Carbon Tetrachloride	7.78	117	242882	20.00	ug/l	99
34) Benzene	8.04	78	711596	20.00	ug/l	99
35) Methacrylonitrile	7.18	41	76665	20.00	ug/l	92
36) 1,2-Dichloroethane	8.13	62	233294	20.00	ug/l	99
37) Trichloroethene	8.84	130	185108	20.00	ug/l	95
38) Methylcyclohexane	9.08	83	238605	20.00	ug/l	98
39) 1,2-Dichloropropane	9.12	63	187009	20.00	ug/l	98
40) Dibromomethane	9.21	93	113700	20.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	240710	20.00	ug/l	98
42) Vinyl Acetate	5.90	43	1662566	100.00	ug/l	99
43) Ethyl Acetate	6.93	43	151586	20.00	ug/l	93
44) Isopropyl Acetate	8.17	43	277386	20.00	ug/l	97
45) 1,4-Dioxane	9.20	88	36272	400.00	ug/l	100
46) Methyl methacrylate	9.20	41	132012	20.00	ug/l	99
47) n-amyl Acetate	12.07	43	197586	20.00	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	226371	19.93	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	266043	20.00	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	163295	20.00	ug/l	99
51) Ethyl methacrylate	10.43	69	181938	20.00	ug/l	99
52) 1,3-Dichloropropane	10.71	76	268236	20.00	ug/l	99
53) Dibromochloromethane	10.90	129	182574	20.00	ug/l	99
54) 1,2-Dibromoethane	11.01	107	157302	20.00	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	430562	100.00	ug/l	100
56) Bromoform	12.13	173	125194	20.00	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	764287	100.00	ug/l	99
59) 2-Hexanone	10.75	43	509572	100.00	ug/l	100
61) Tetrachloroethene	10.63	164	186518	20.00	ug/l	97
62) Toluene	10.16	91	764551	20.00	ug/l	100
64) Chlorobenzene	11.44	112	454454	20.00	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	179657	20.00	ug/l	99
66) Ethyl Benzene	11.51	91	757112	20.00	ug/l	99
67) m/p-Xylenes	11.62	106	601581	40.00	ug/l	100
68) o-Xylene	11.95	106	276280	20.00	ug/l	99
69) Styrene	11.97	104	452282	20.00	ug/l	99
70) Isopropylbenzene	12.25	105	749300	20.00	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	201333	20.00	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	174810m	14.40	ug/l	
73) Bromobenzene	12.53	156	196518	20.00	ug/l	99
74) n-propylbenzene	12.59	91	881417	20.00	ug/l	99
75) 2-Chlorotoluene	12.68	91	527363	20.00	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	630767	20.00	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	52299	20.00	ug/l	93
78) 4-Chlorotoluene	12.77	91	521712	20.00	ug/l	99
79) tert-butylbenzene	12.99	119	523112	20.00	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	639465	20.00	ug/l	99
81) sec-Butylbenzene	13.17	105	723833	20.00	ug/l	100
82) p-Isopropyltoluene	13.29	119	616103	20.00	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	344518	20.00	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	325760	20.00	ug/l	100
85) n-Butylbenzene	13.62	91	479667	20.00	ug/l	99
86) Hexachloroethane	13.88	117	121445	20.00	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	344830	20.00	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31101	20.00	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	149776	20.00	ug/l	99
90) Hexachlorobutadiene	15.01	225	112092	20.00	ug/l	98
91) Naphthalene	15.14	128	294613	20.00	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	157478	20.00	ug/l	99

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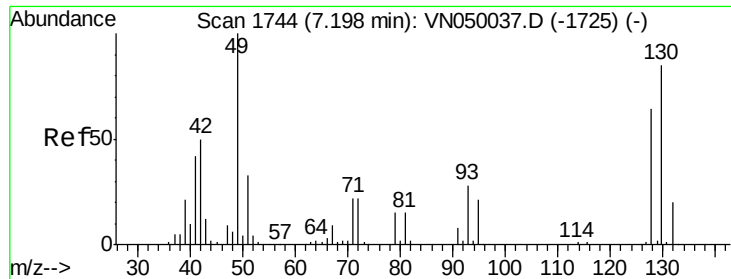
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



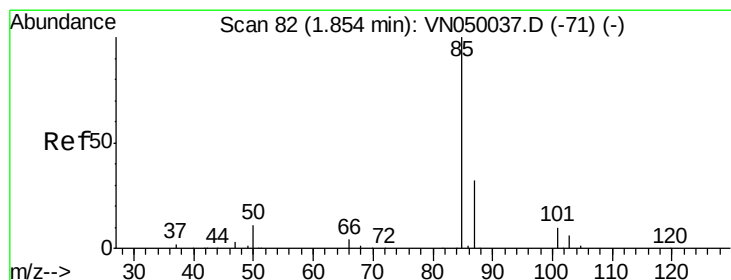
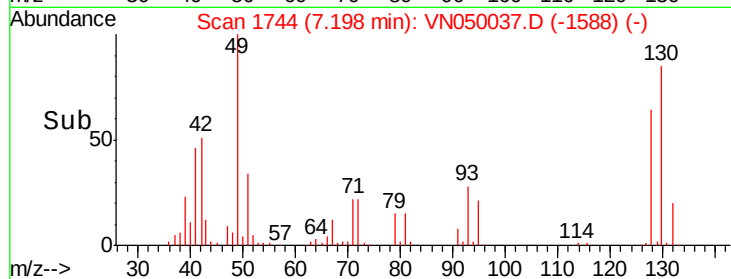
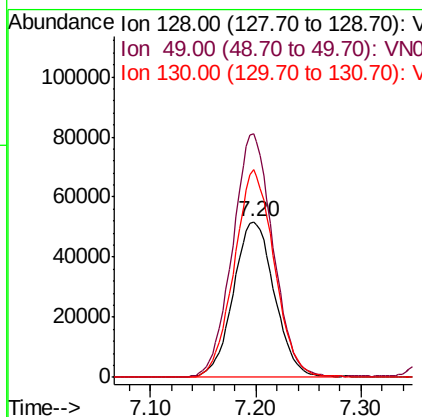
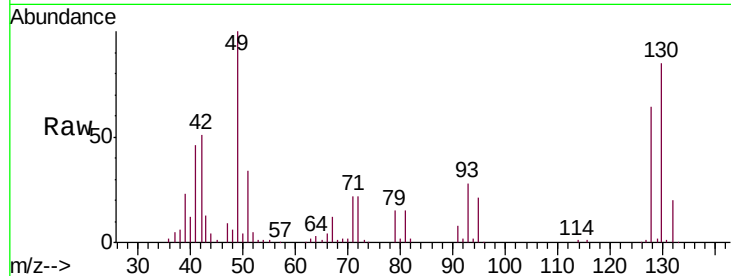
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	154.2	0.0	378.3
130	130.0	0.0	320.7

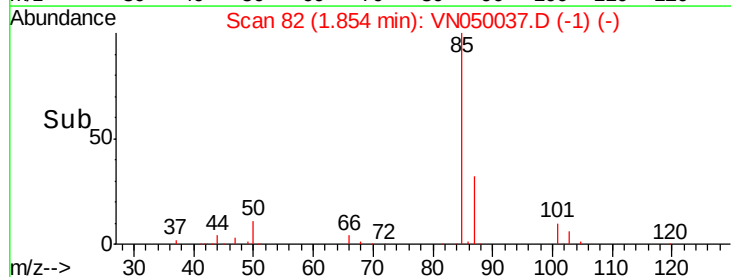
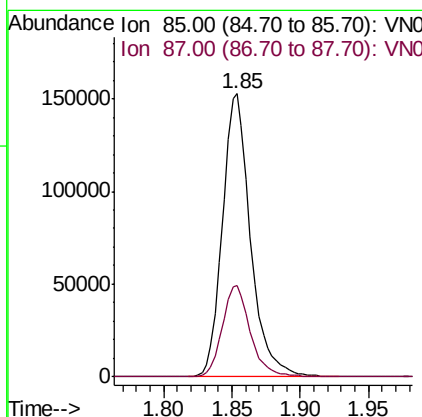
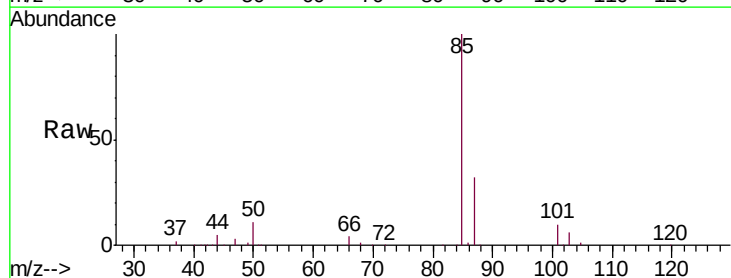
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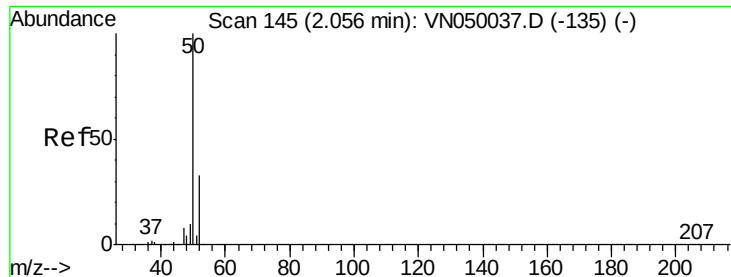
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#2
 Dichlorodifluoromethane
 Concen: 20.00 ug/l
 RT: 1.85 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.4	46.4





#3

Chloromethane

Concen: 20.00 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 208828

Ion Ratio Lower Upper

50 100

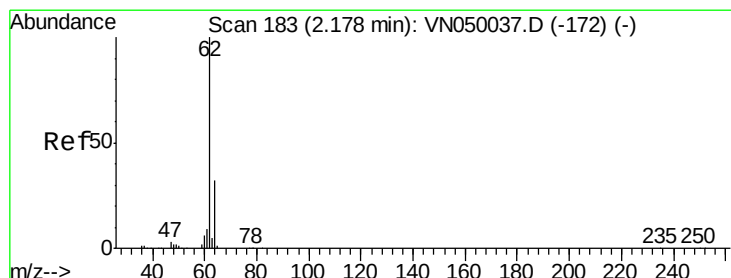
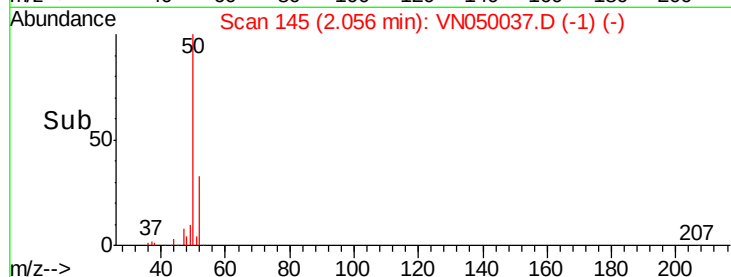
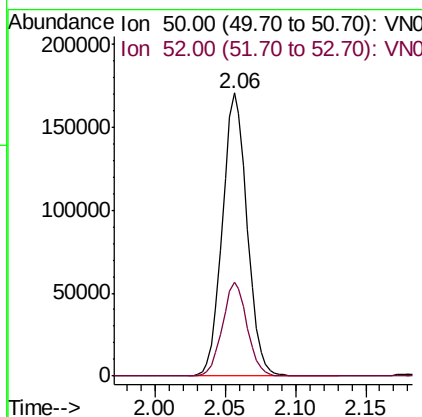
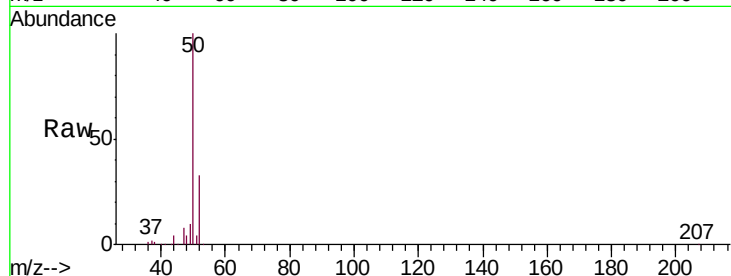
52 33.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.00 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050037.D

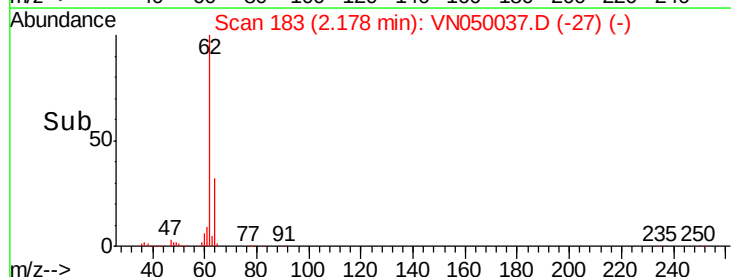
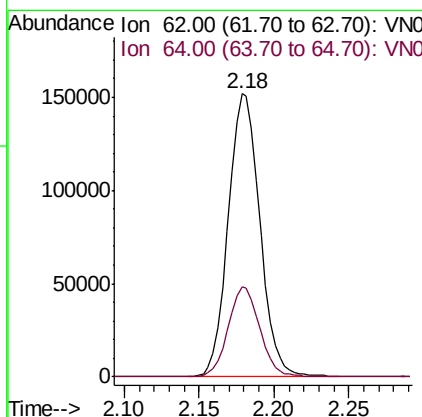
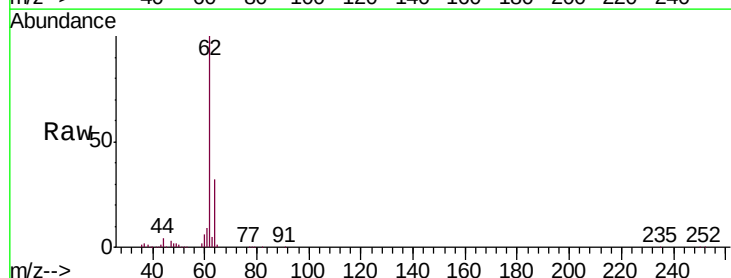
Acq: 25 Jul 2018 8:56

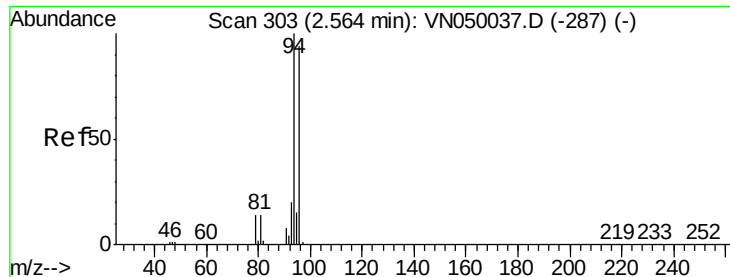
Tgt Ion: 62 Resp: 224296

Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6





#5

Bromomethane

Concen: 20.00 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 134484

Ion Ratio Lower Upper

94 100

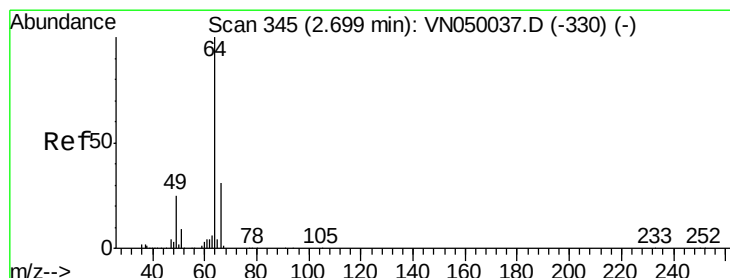
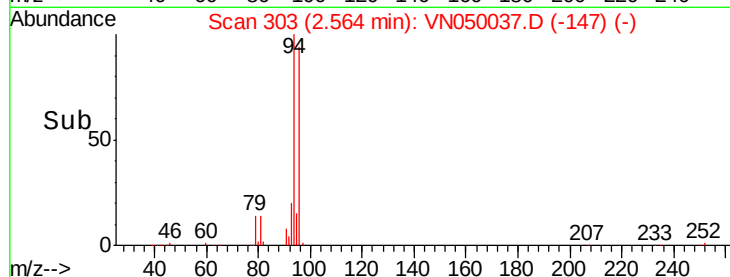
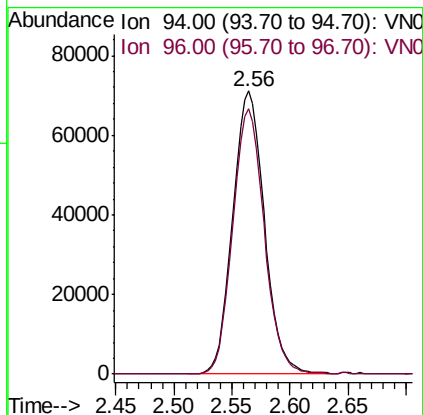
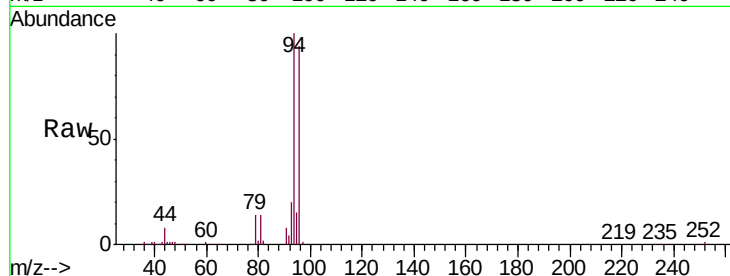
96 93.6 75.9 113.9

Manual Integrations

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#6

Chloroethane

Concen: 20.00 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050037.D

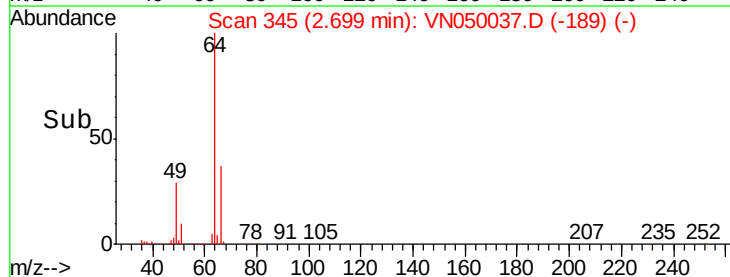
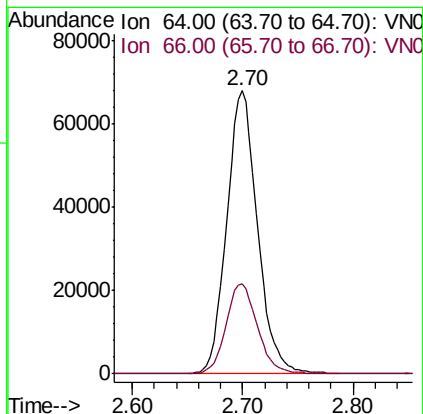
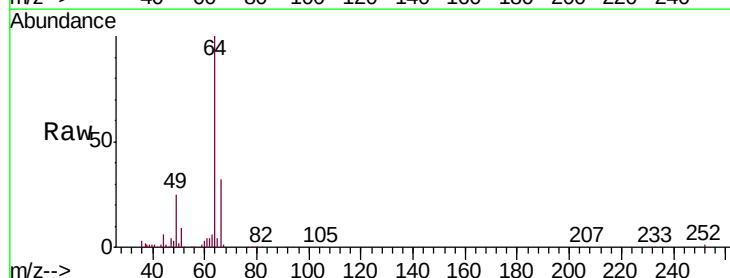
Acq: 25 Jul 2018 8:56

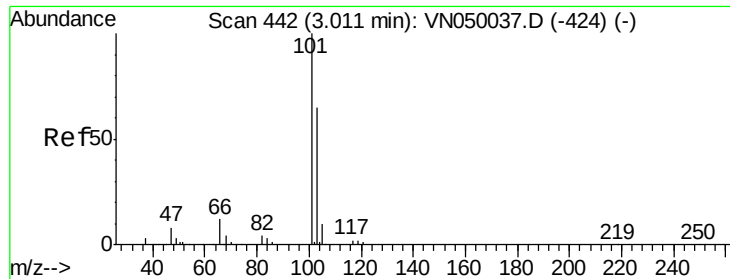
Tgt Ion: 64 Resp: 131633

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.4





#7

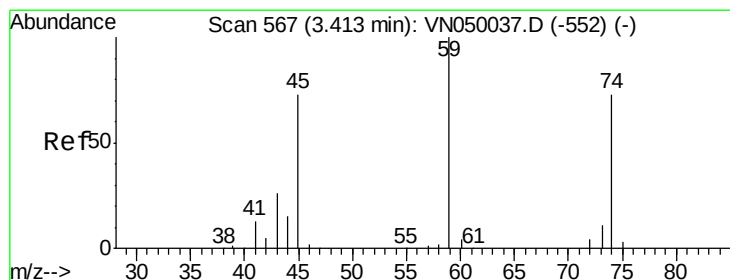
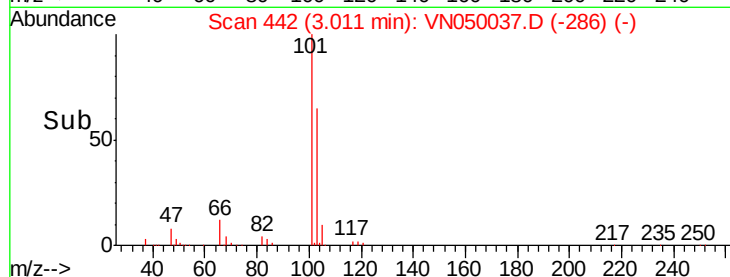
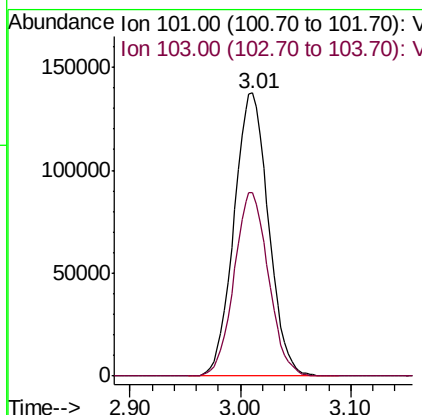
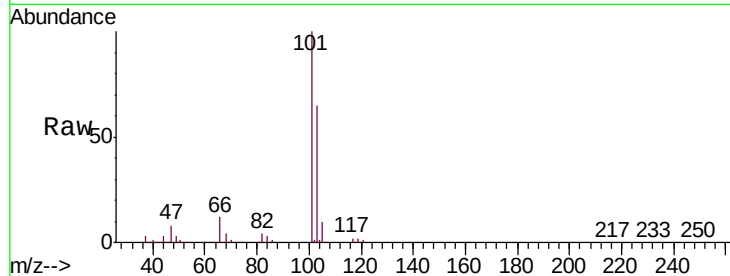
Trichlorofluoromethane
Concen: 20.00 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.5	77.3

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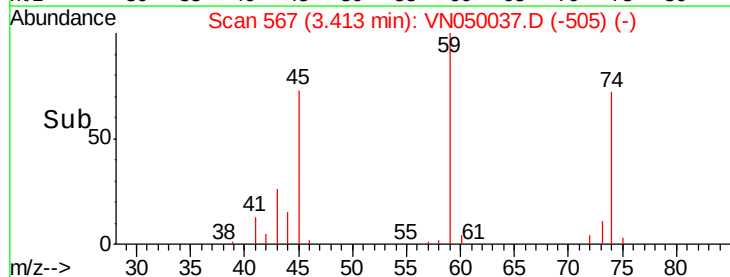
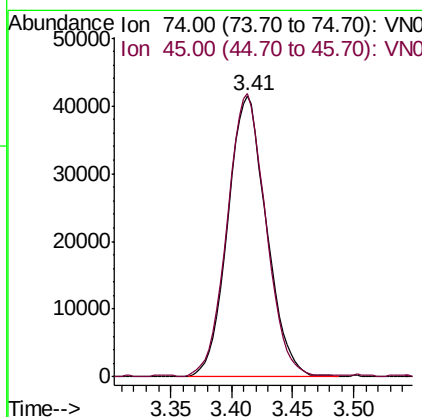
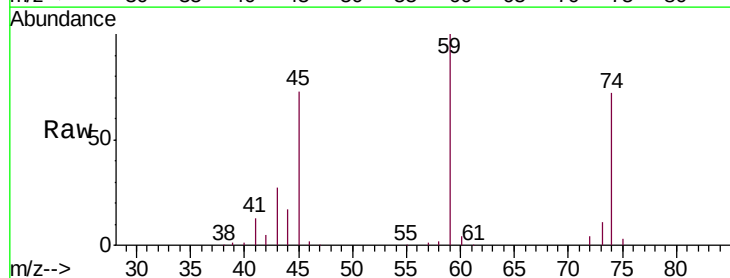
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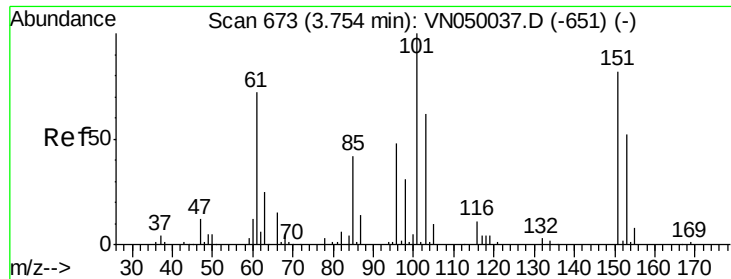


#8

Diethyl Ether
Concen: 20.00 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.00 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

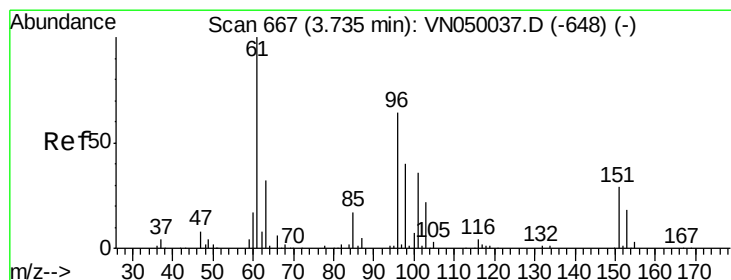
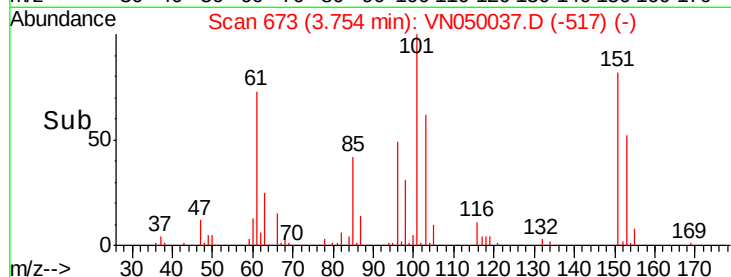
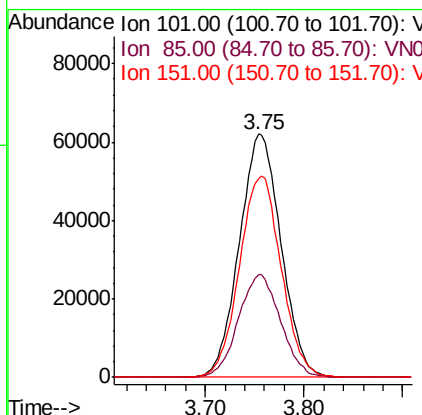
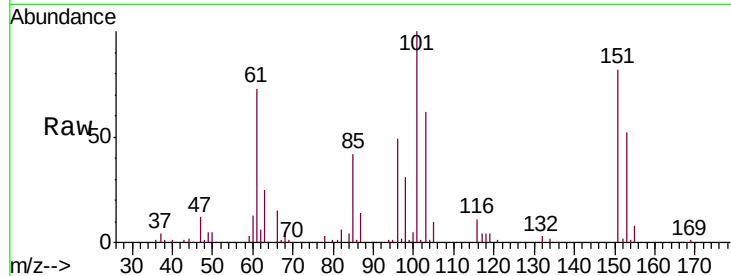
ClientSampleId :

VSTDICCC020

Tot Ion:	101	Resp:	181843
Ion Ratio	Lower	Upper	
101	100		
85	42.5	0.0	83.0
151	82.9	0.0	166.8

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#10

1,1-Dichloroethene

Concen: 20.00 ug/l

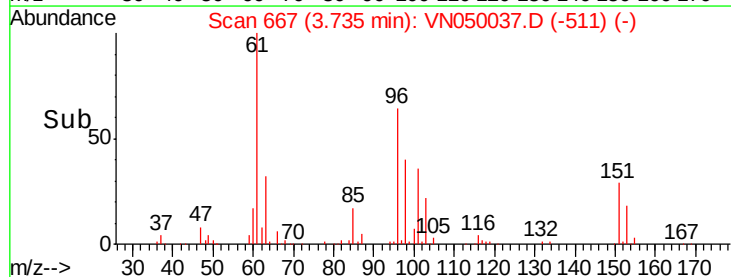
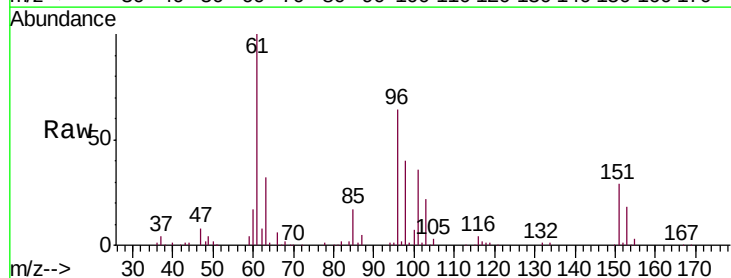
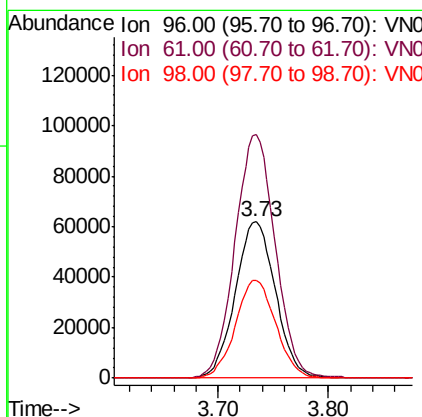
RT: 3.73 min Scan# 667

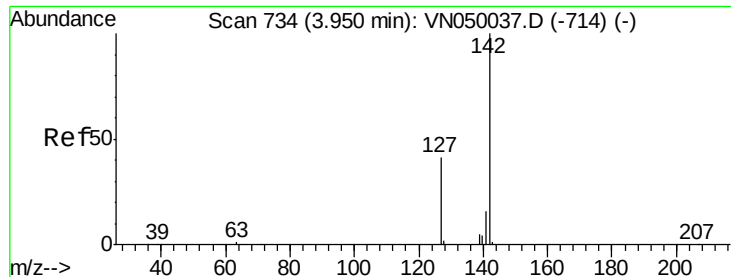
Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion:	96	Resp:	156337
Ion Ratio	Lower	Upper	
96	100		
61	155.9	130.6	195.8
98	62.9	53.5	80.3





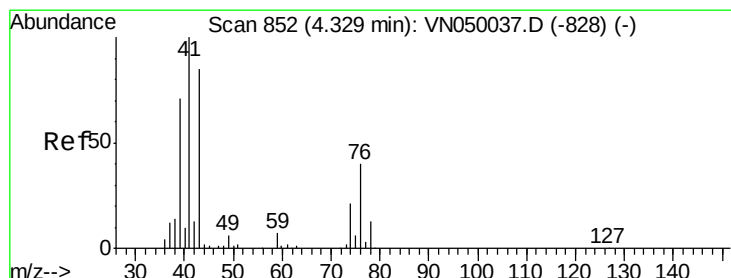
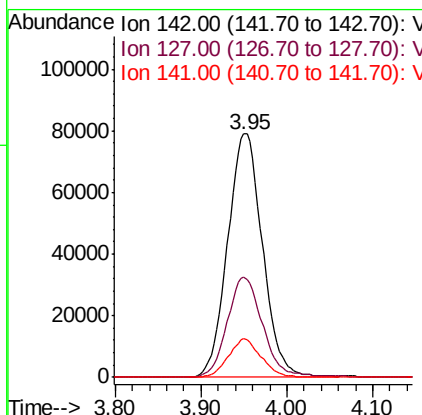
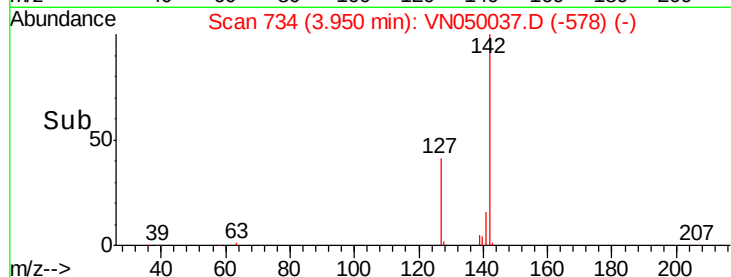
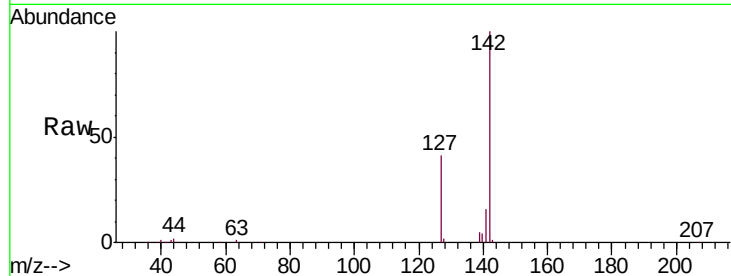
#11
Methvl Iodide
Concen: 20.00 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.0	20.2	60.5
141	15.8	6.9	20.6

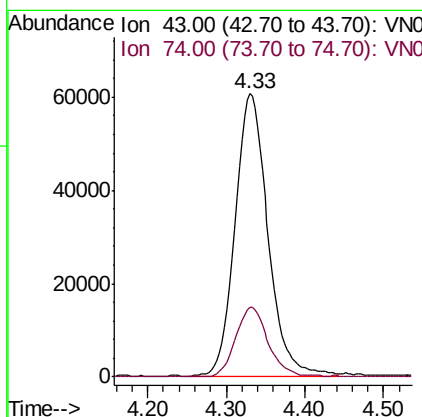
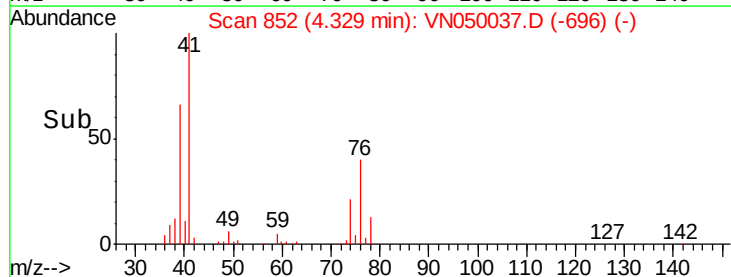
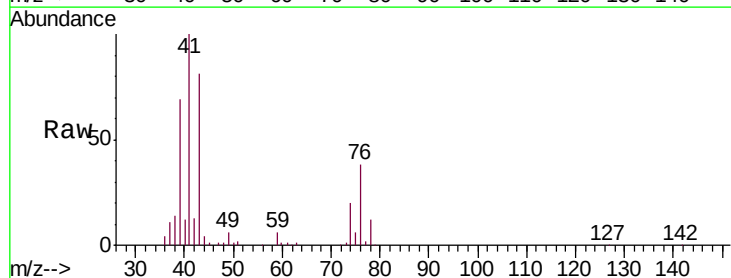
Manual Integrations
APPROVED

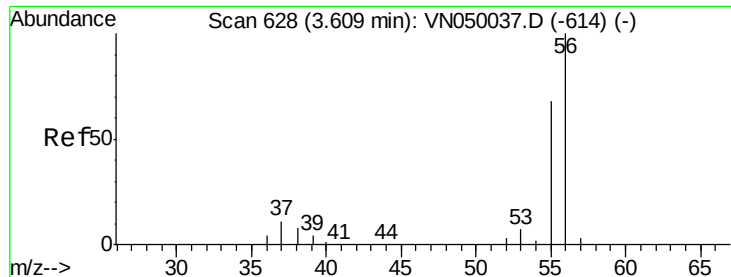
MMDadoda
7/26/2018 3:53:43 PM



#12
Methyl Acetate
Concen: 20.00 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.3	28.9





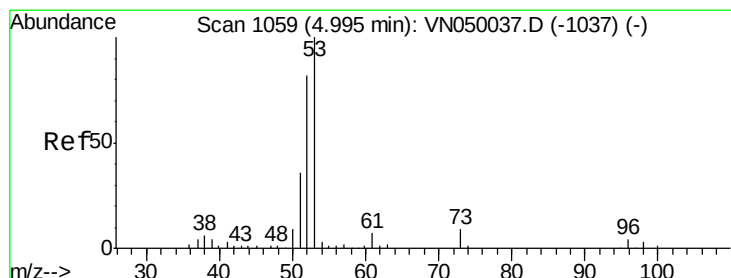
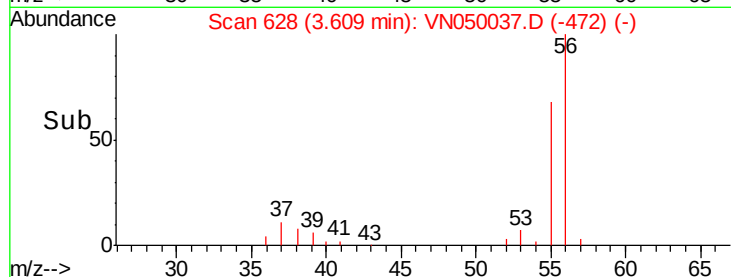
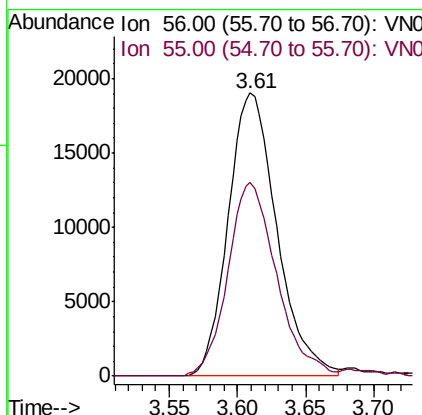
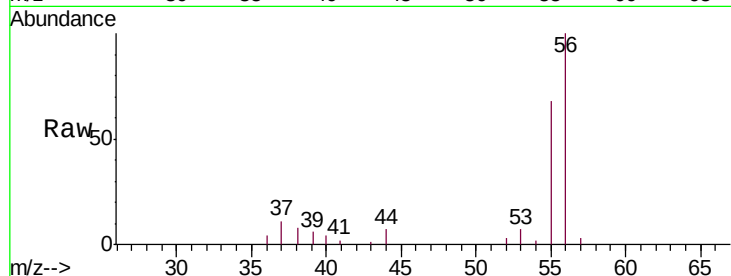
#13
Acrolein
Concen: 100.00 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 56 Resp: 47245
Ion Ratio Lower Upper
56 100
55 68.3 58.6 88.0

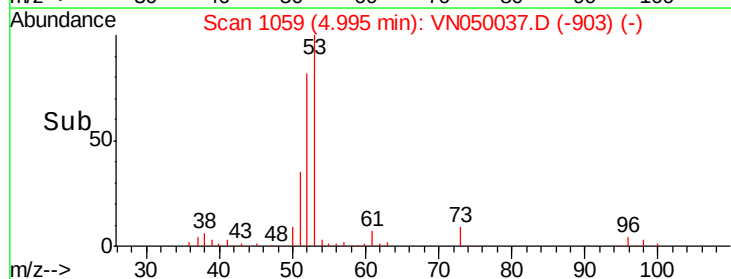
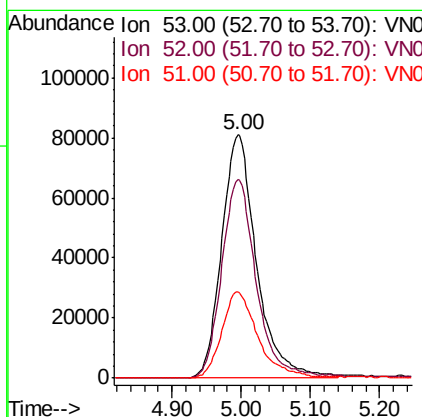
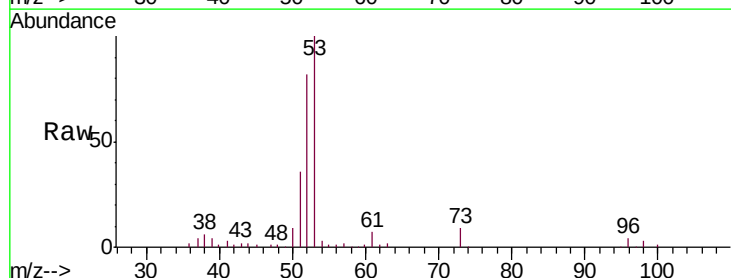
Manual Integrations
APPROVED

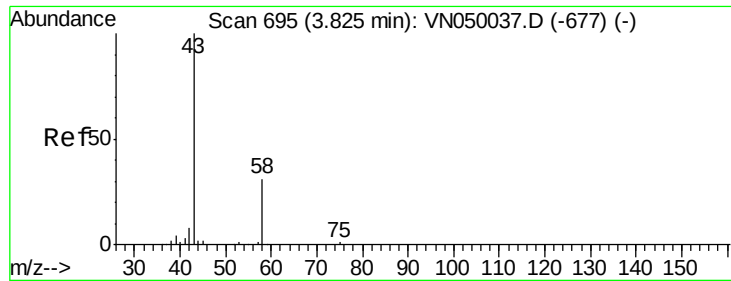
MMDadoda
7/26/2018 3:53:43 PM



#14
Acrylonitrile
Concen: 100.00 ug/l
RT: 5.00 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 53 Resp: 284283
Ion Ratio Lower Upper
53 100
52 79.9 41.5 124.5
51 36.7 18.7 56.1





#15

Acetone

Concen: 100.00 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 80173

Ion Ratio Lower Upper

58 100

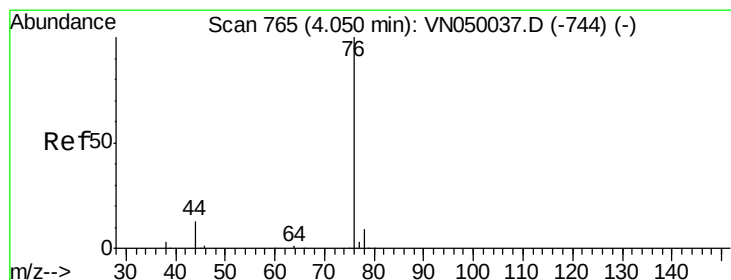
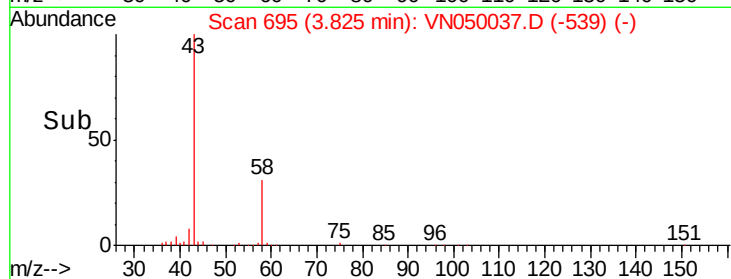
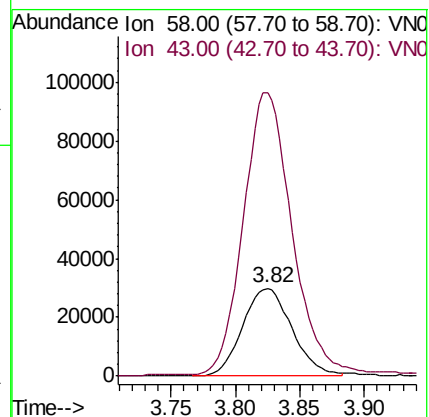
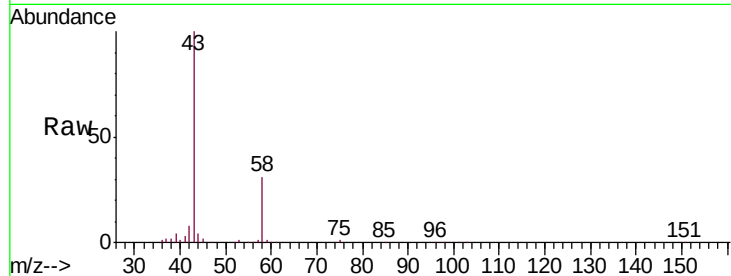
43 320.6 252.0 378.0

Manual Integrations

APPROVED

MMDadoda

7/26/2018 3:53:43 PM



#16

Carbon Disulfide

Concen: 20.00 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050037.D

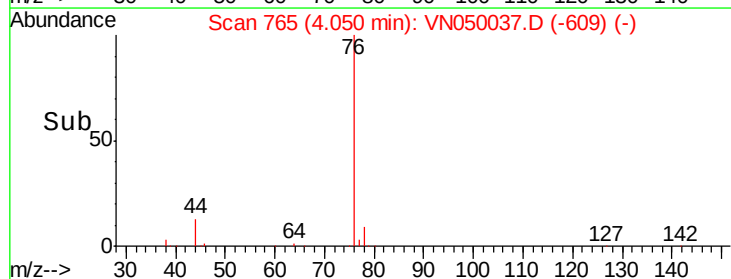
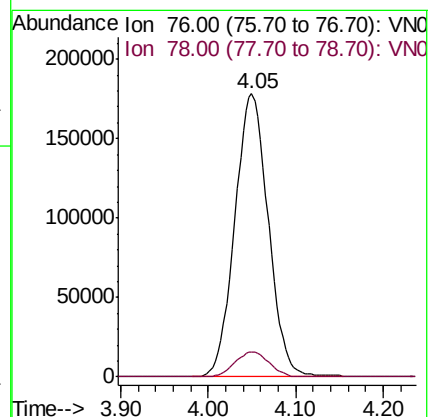
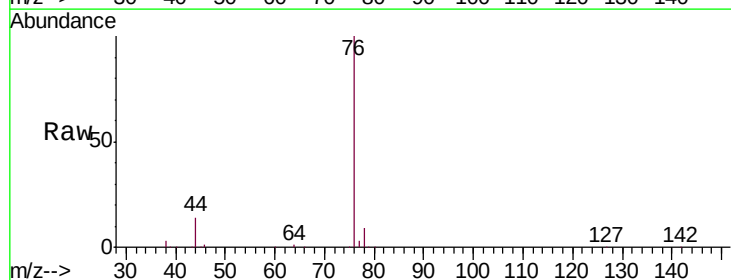
Acq: 25 Jul 2018 8:56

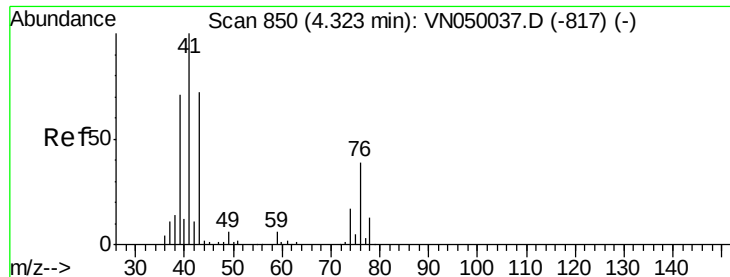
Tgt Ion: 76 Resp: 473935

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





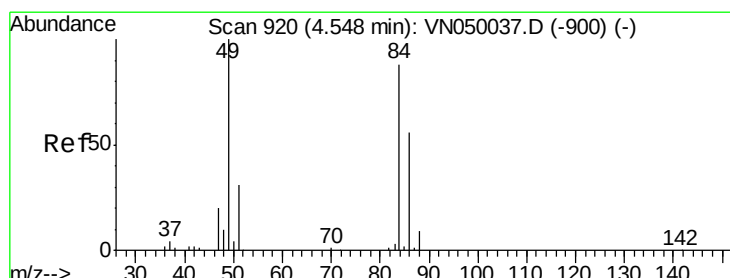
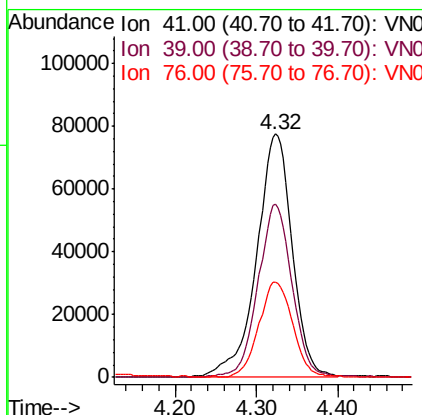
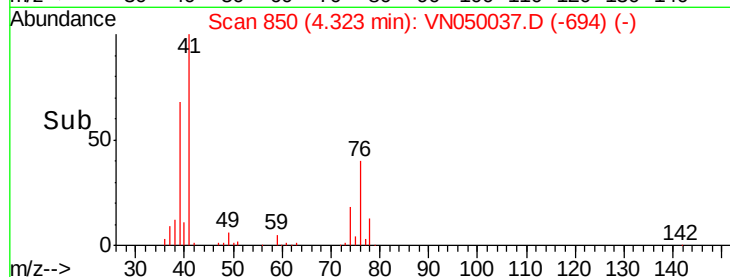
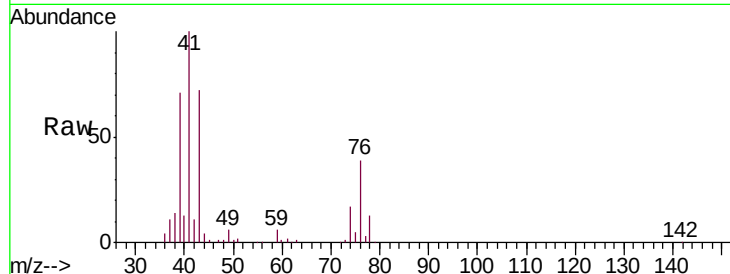
#17
Allvl chloride
Concen: 20.00 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.9	35.4	106.3
76	38.7	19.7	59.1

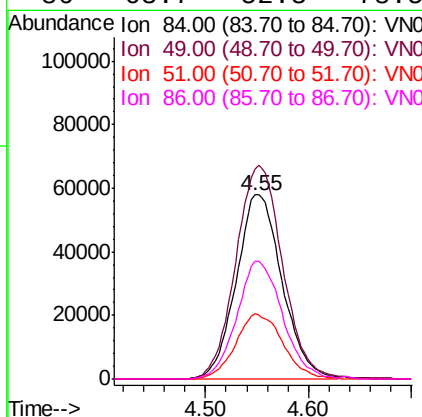
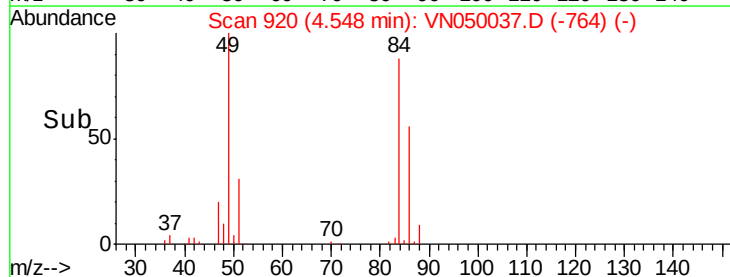
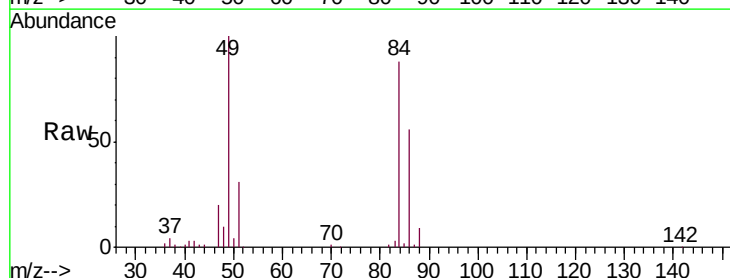
Manual Integrations
APPROVED

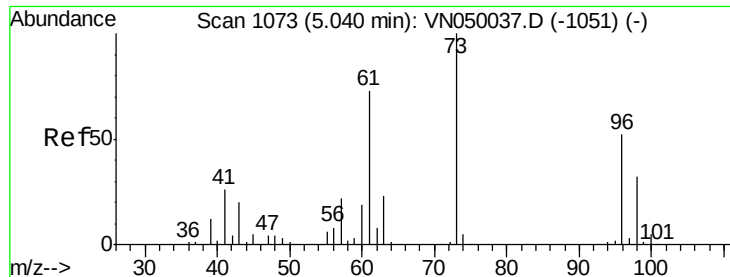
MMDadoda
7/26/2018 3:53:43 PM



#18
Methylene Chloride
Concen: 20.00 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.8	95.1	142.7
51	35.3	28.8	43.2
86	63.7	52.3	78.5





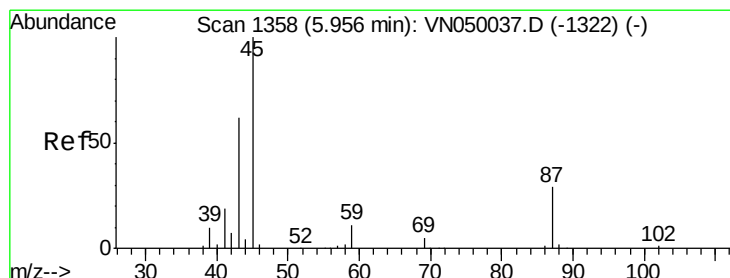
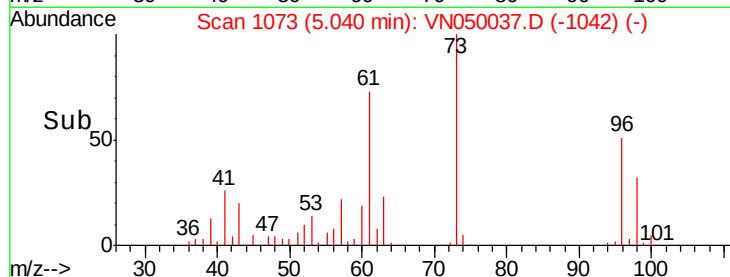
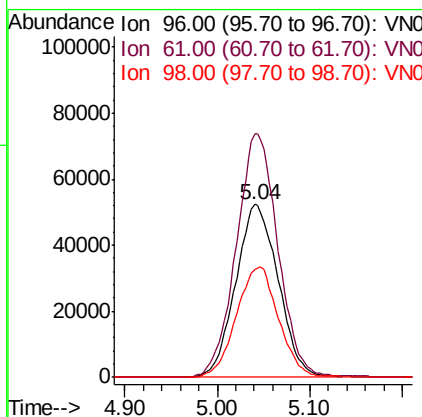
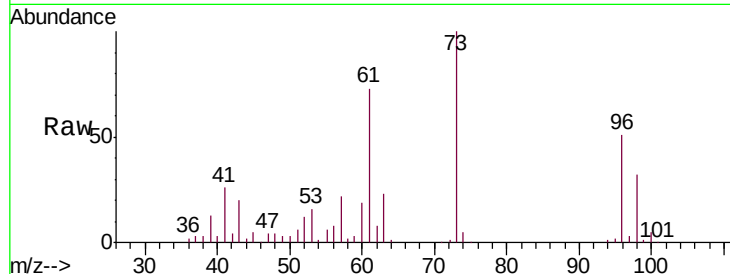
#19
trans-1,2-Dichloroethene
Concen: 20.00 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	112.1	168.1
98	62.2	51.3	76.9

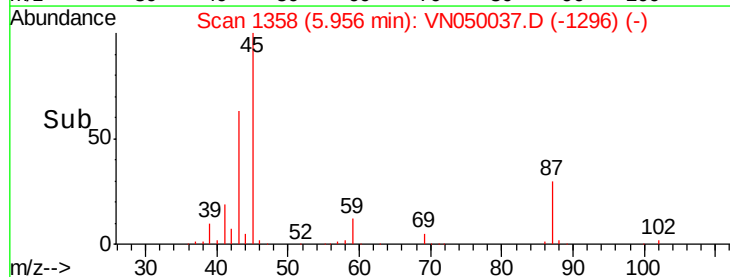
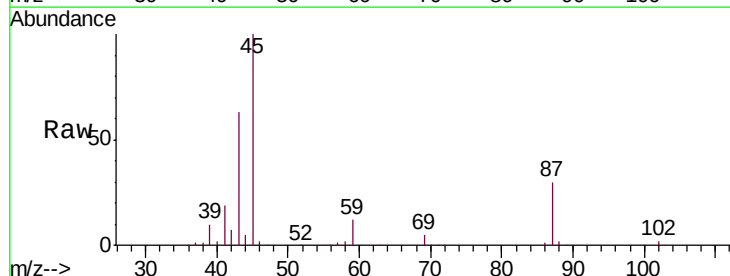
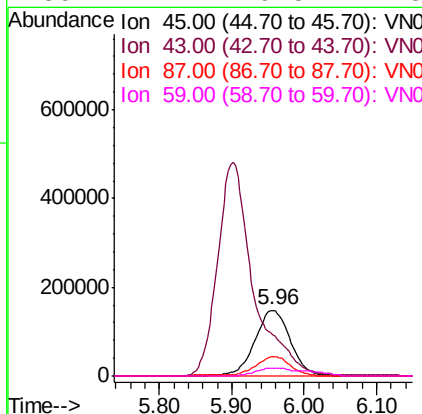
Manual Integrations
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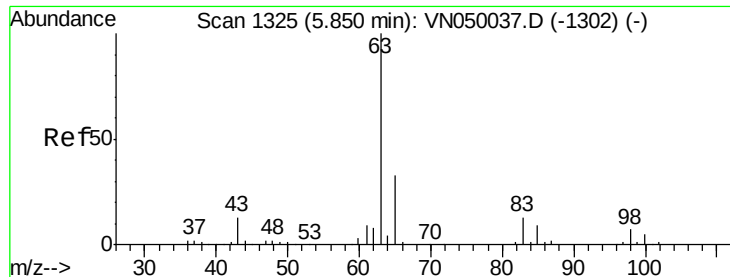
MMDadoda
7/26/2018 3:53:43 PM



#20
Diisopropyl ether
Concen: 20.00 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	46.6	70.0
87	29.7	22.3	33.5
59	11.4	9.5	14.3





#21

1,1-Dichloroethane

Concen: 20.00 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

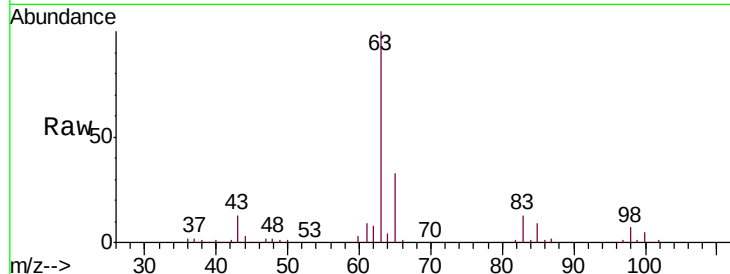
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	314921
Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.5	10.6
100	4.6	2.3	6.8

Manual Integrations
APPROVED

MMDadoda
7/26/2018 3:53:43 PM

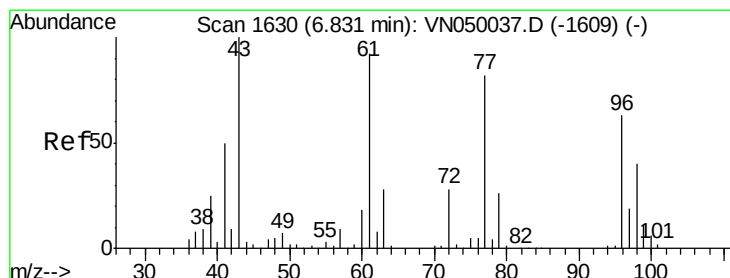
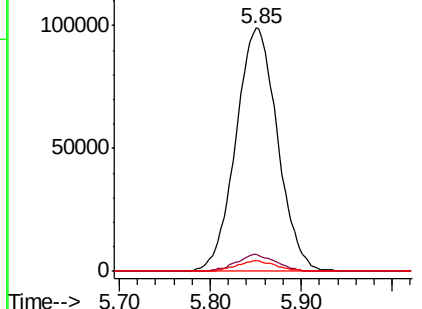
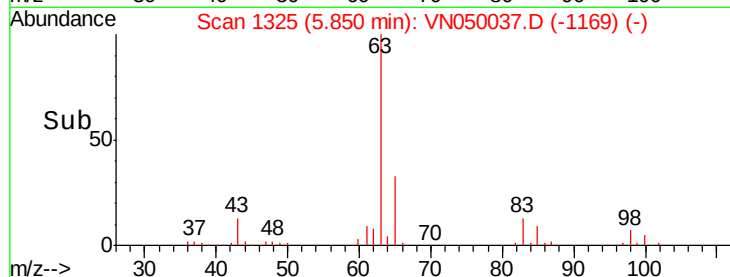


Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.00 ug/l

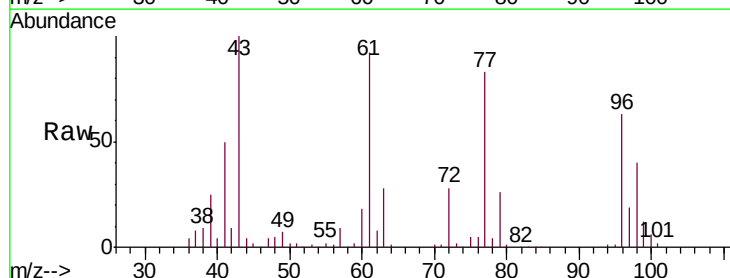
RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion:	96	Resp:	180955
Ion	Ratio	Lower	Upper
96	100		
61	145.4	114.2	171.2
98	63.6	51.7	77.5

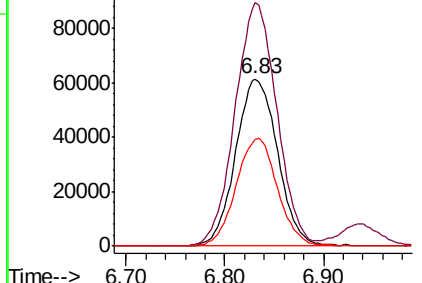
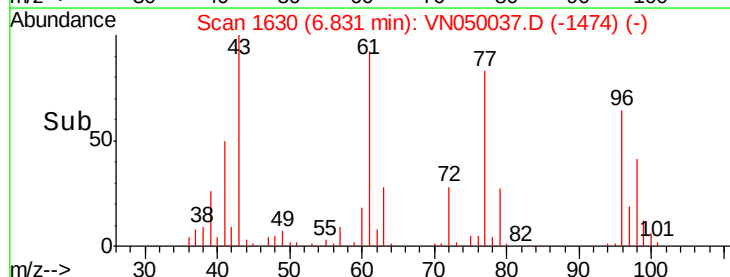


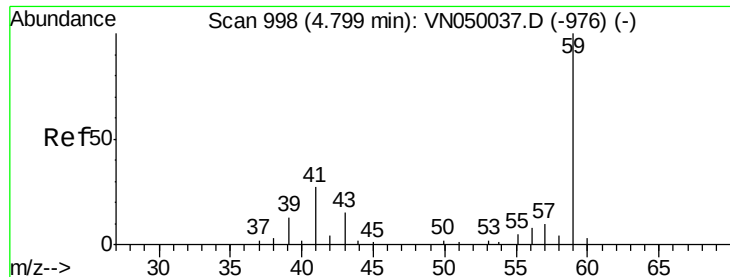
Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)

Time-->





#23

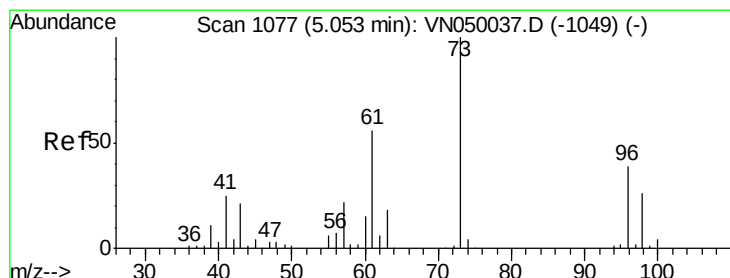
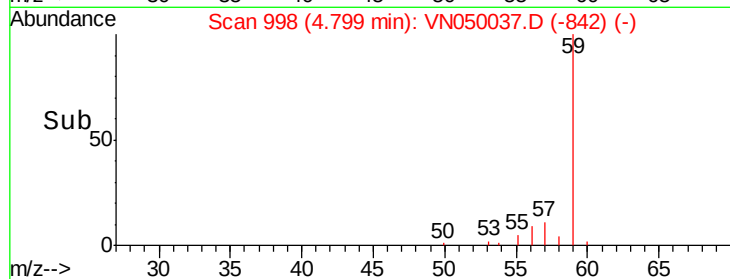
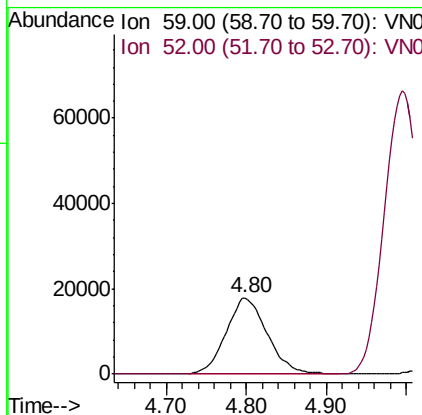
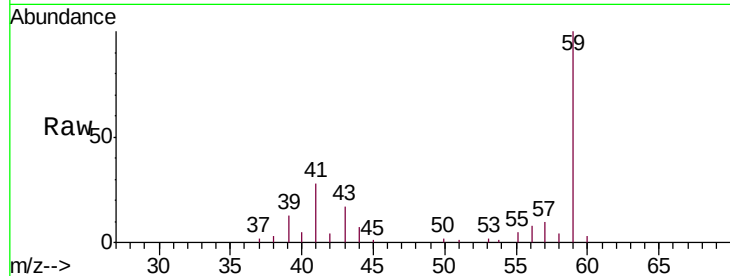
tert-Butyl Alcohol
 Concen: 100.00 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

Manual Integrations
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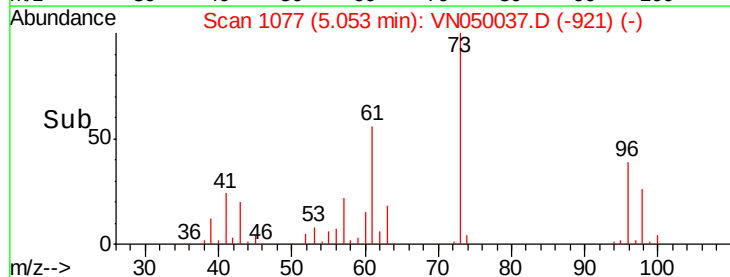
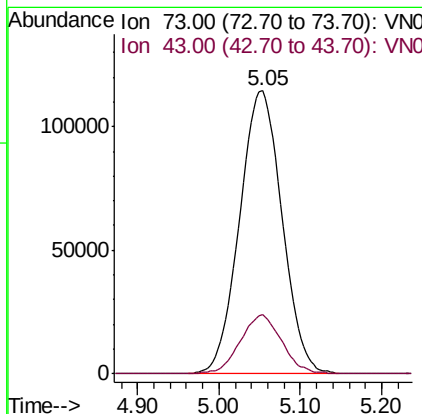
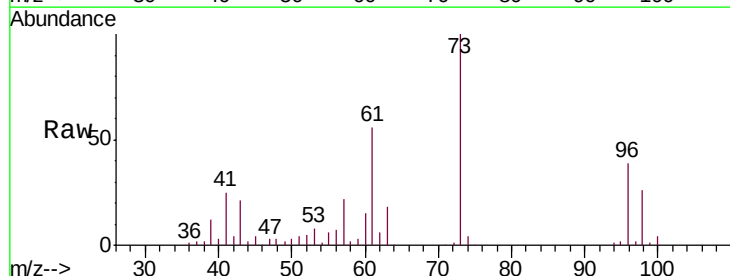
MMDadoda
 7/26/2018 3:53:43 PM

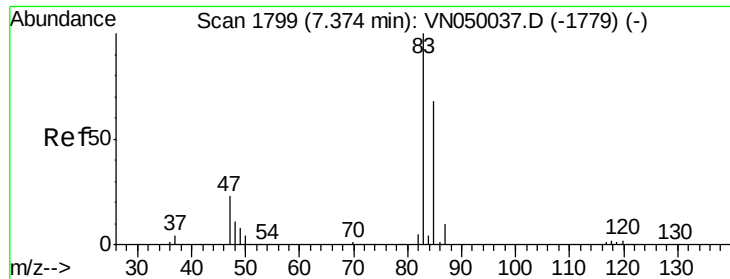


#24

Methyl tert-Butyl Ether
 Concen: 20.00 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.5	23.3





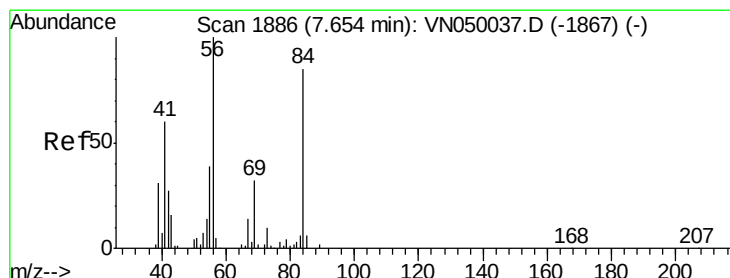
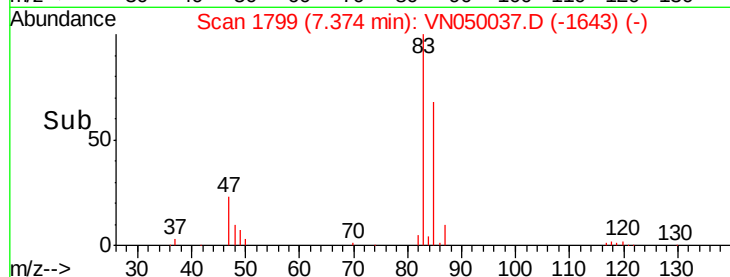
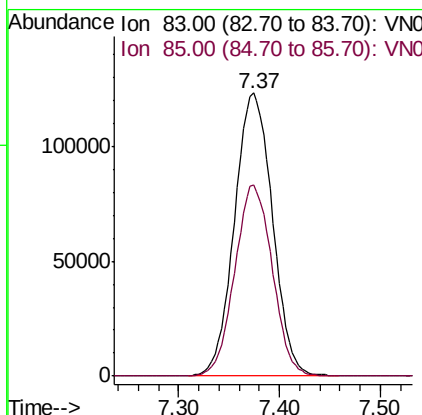
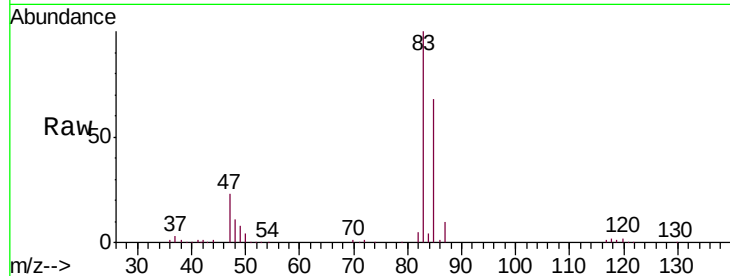
#25
Chloroform
Concen: 20.00 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	322129
Ion Ratio	100	Lower	Upper
83	100		
85	67.6	52.1	78.1

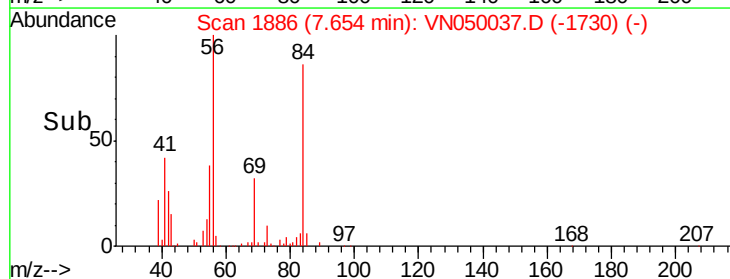
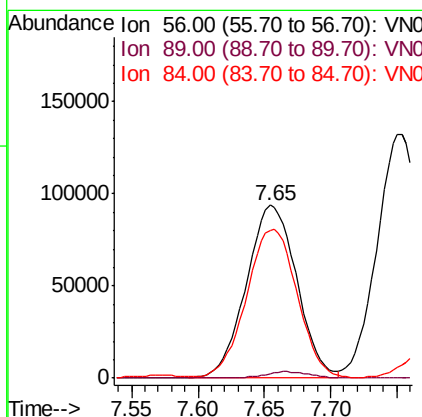
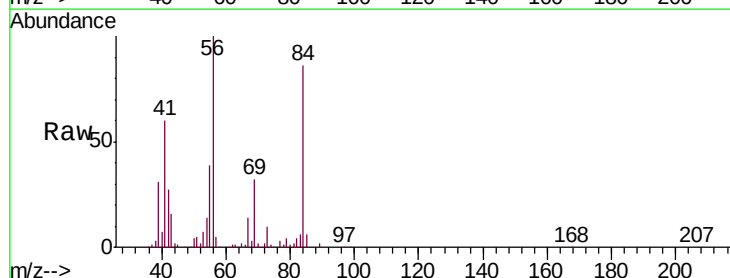
Manual Integrations
APPROVED

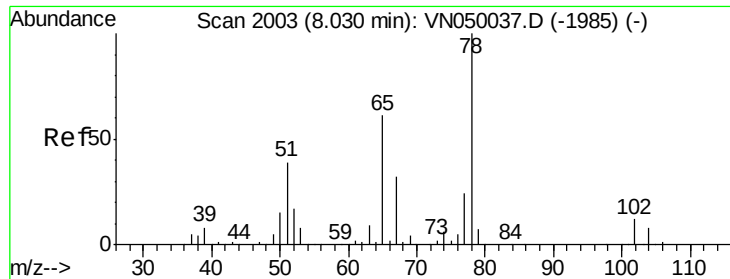
MMDadoda
7/26/2018 3:53:43 PM



#26
Cyclohexane
Concen: 20.00 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	56	Resp	248212
Ion Ratio	100	Lower	Upper
56	100		
89	3.2	3.0	4.4
84	87.1	69.8	104.8





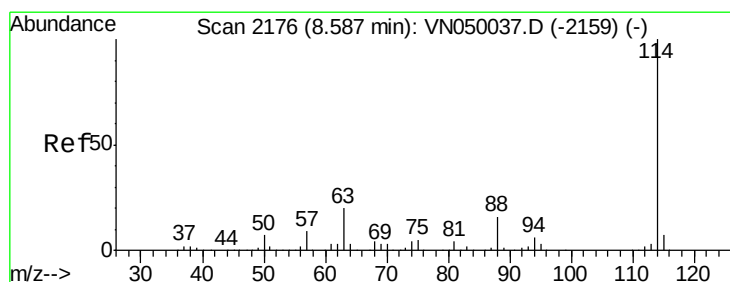
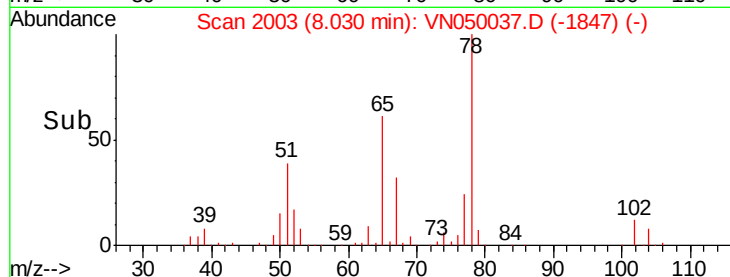
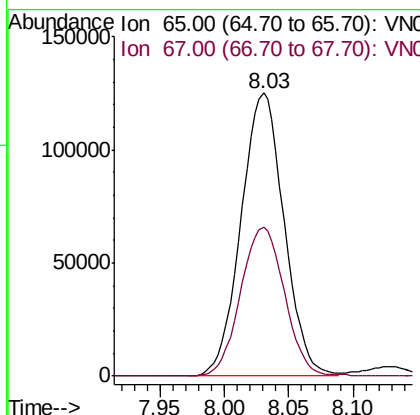
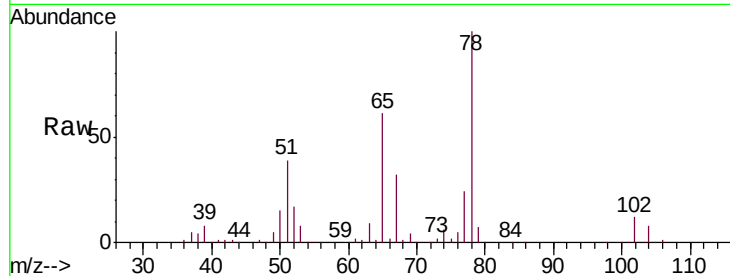
#27
 1,2-Dichloroethane-d4
 Concen: 30.00 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	42.7	64.1

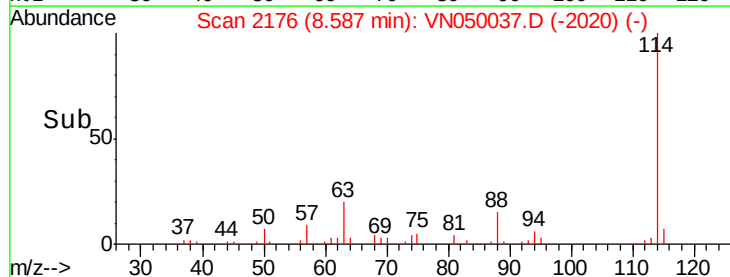
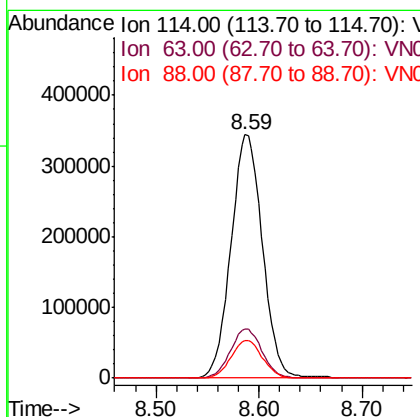
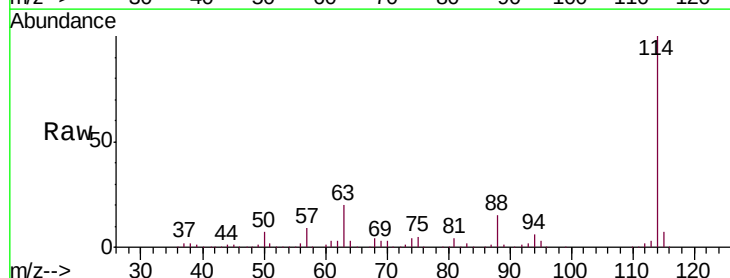
Manual Integrations
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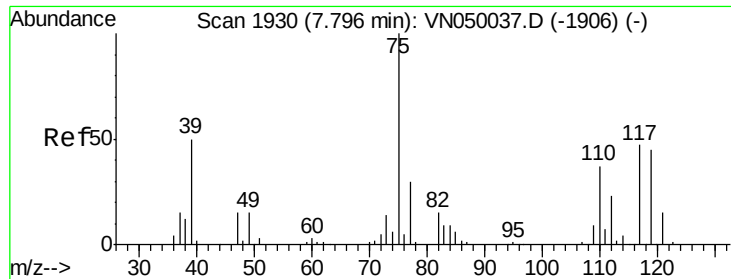
MMDadoda
 7/26/2018 3:53:43 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.2	24.2
88	15.5	12.3	18.5





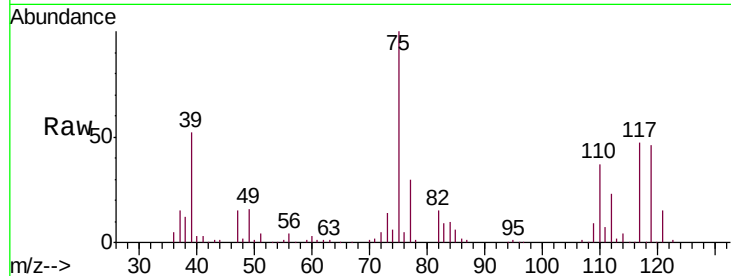
#29
 1,1-Dichloropropene
 Concen: 20.00 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

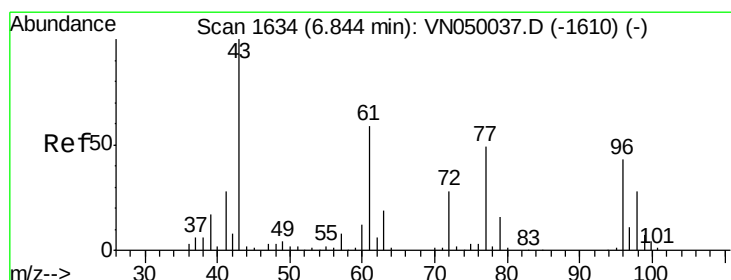
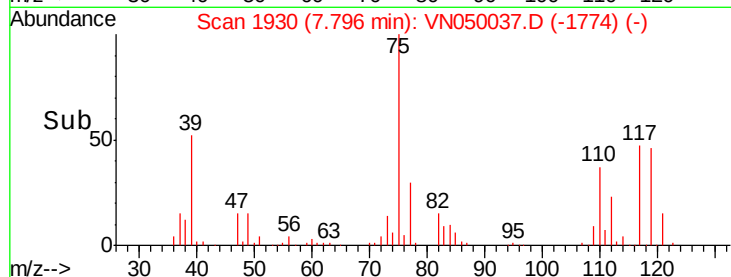
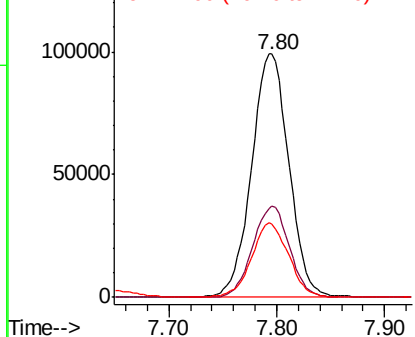
Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.8	0.0	73.2
77	30.5	0.0	62.0

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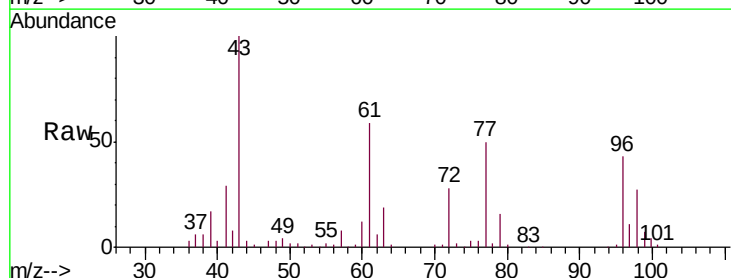


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0

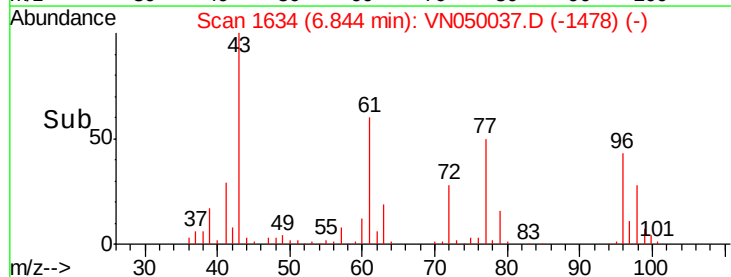
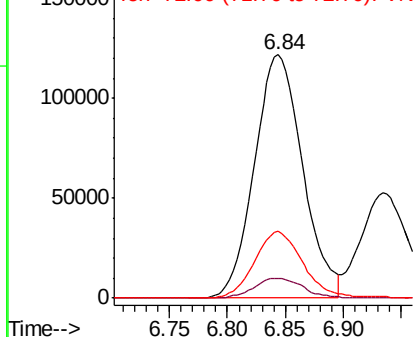


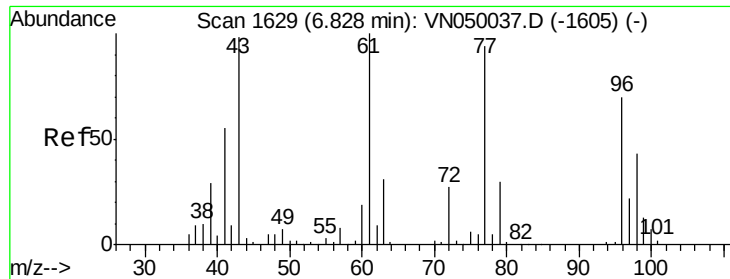
#30
 2-Butanone
 Concen: 100.00 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.8	10.2
72	27.6	21.4	32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





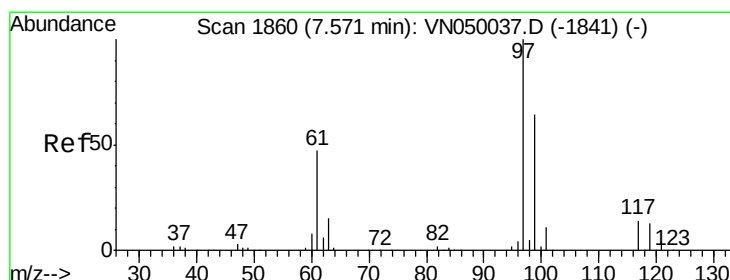
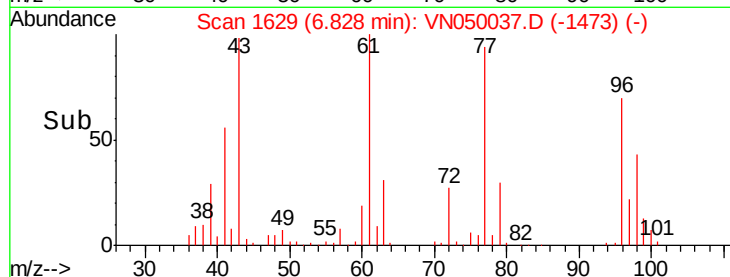
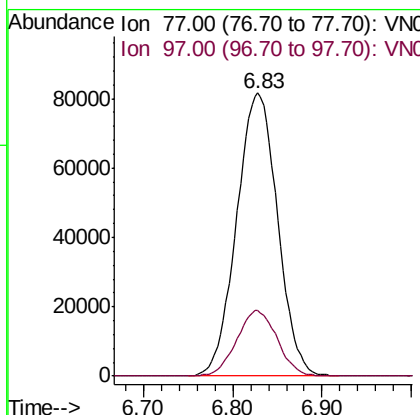
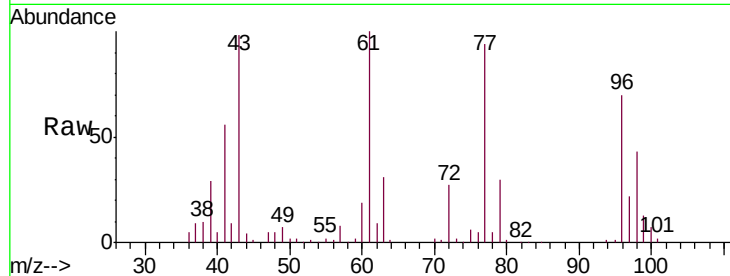
#31
 2,2-Dichloropropane
 Concen: 20.00 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 259781
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.9 28.3

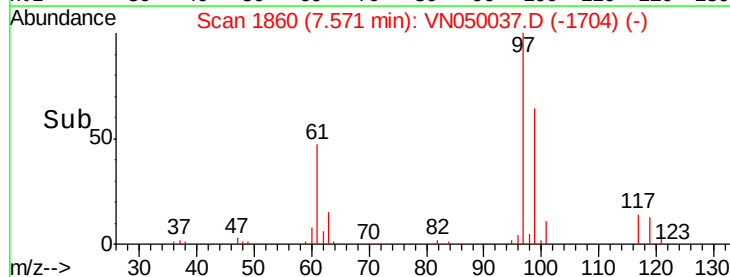
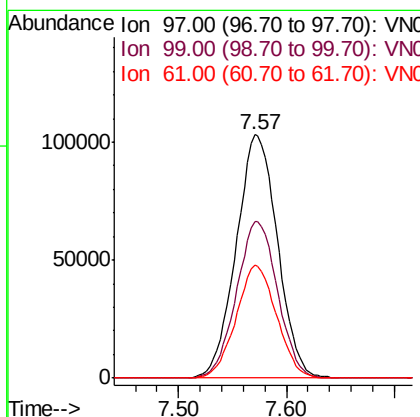
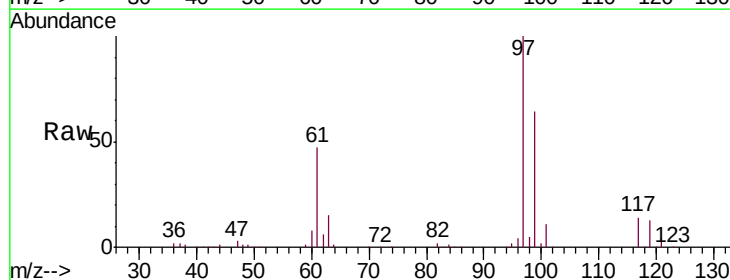
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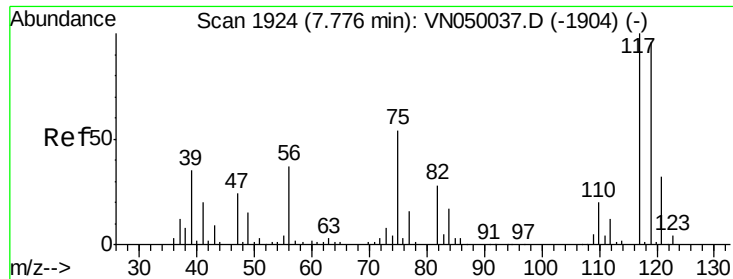
MMDadoda
 7/26/2018 3:53:43 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.00 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 97 Resp: 274916
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 45.4 35.3 52.9





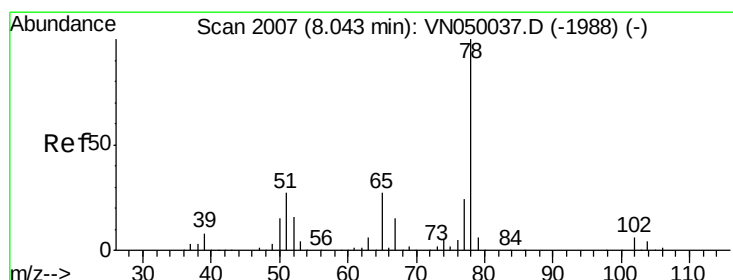
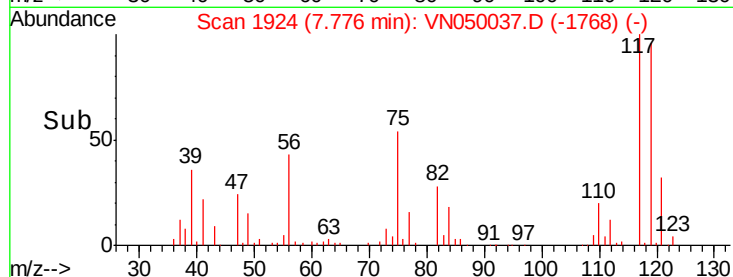
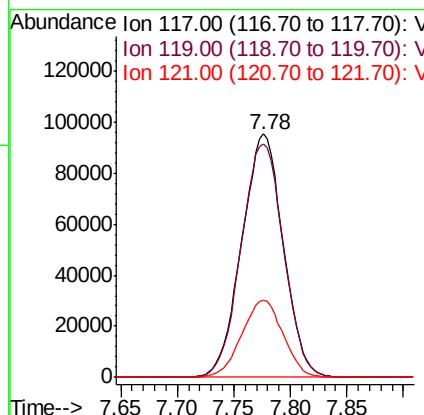
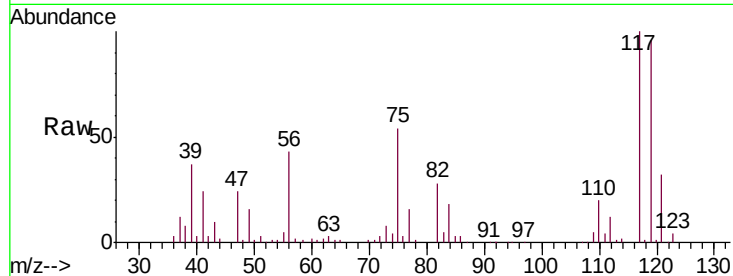
#33
Carbon Tetrachloride
Concen: 20.00 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	31.8	24.4	36.6

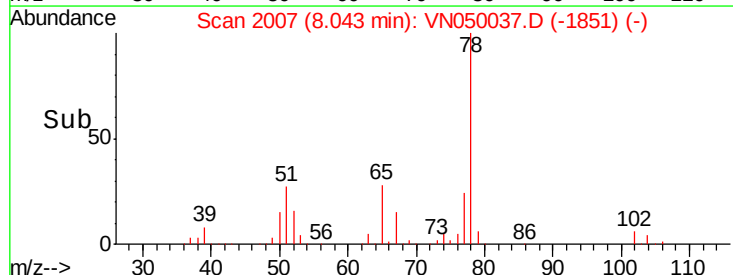
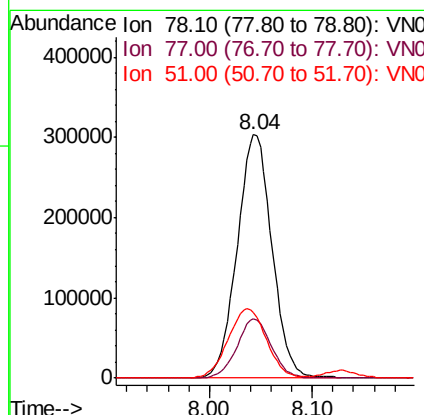
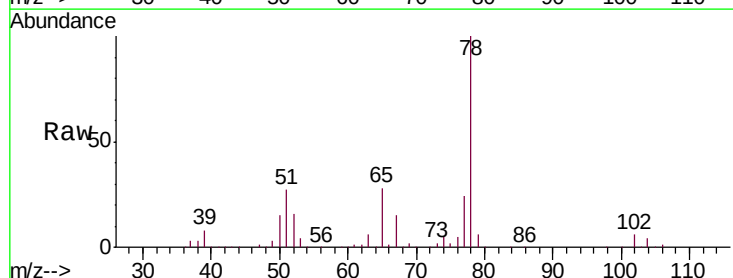
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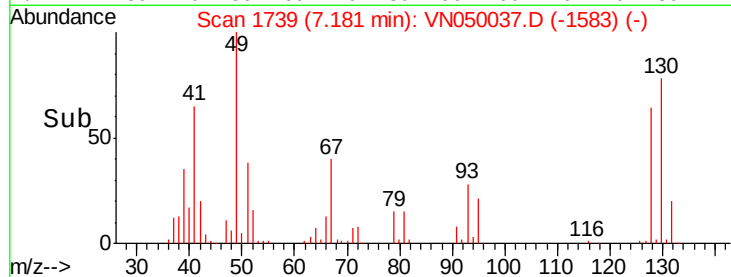
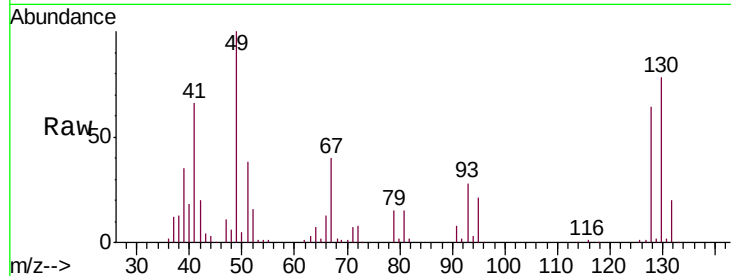
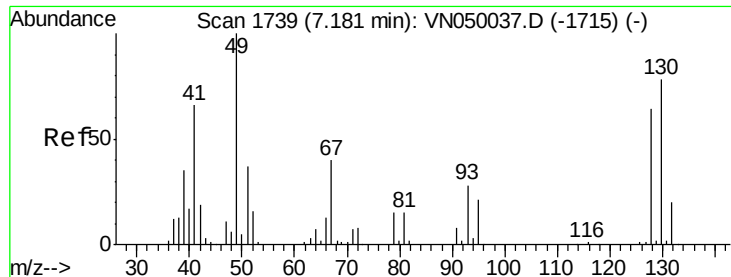
MMDadoda
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#34
Benzene
Concen: 20.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7
51	26.7	21.0	31.4





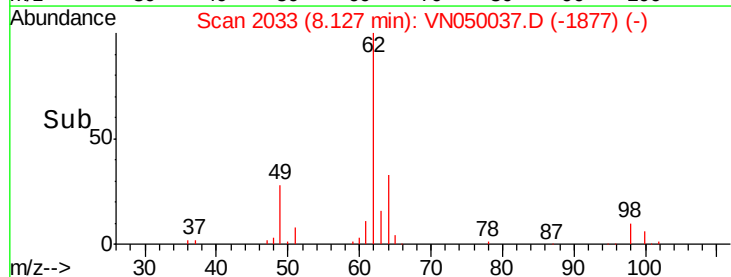
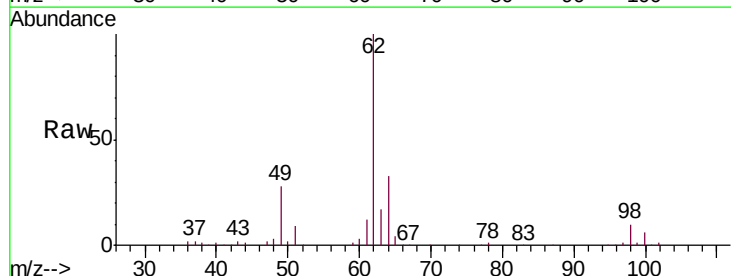
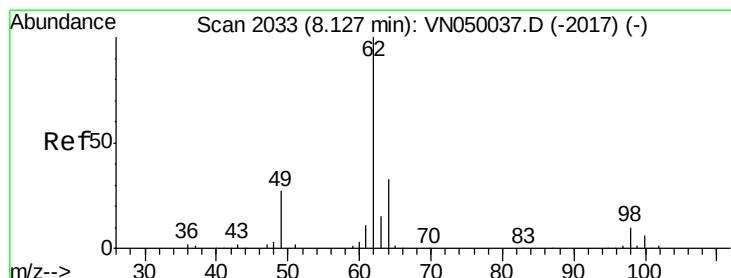
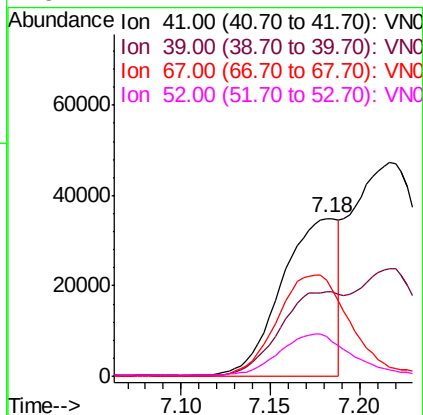
#35
Methacrylonitrile
Concen: 20.00 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tot Ion	41.00 (40.70 to 41.70): VNO	Resp	76665
Ion Ratio	100	Lower	Upper
41	100		
39	52.9	27.6	82.7
67	60.8	35.1	105.5
52	24.4	14.1	42.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

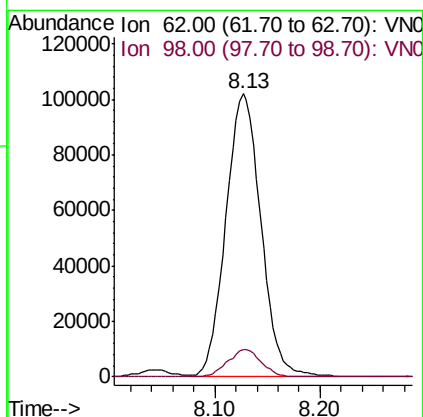
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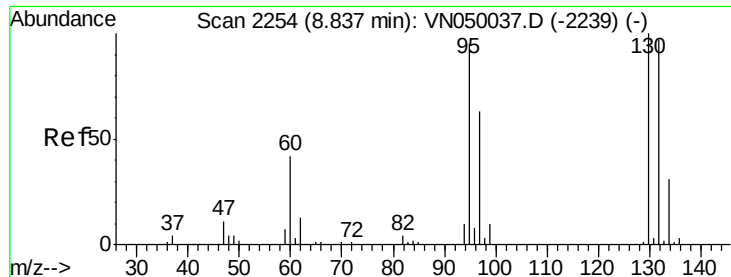
MMDadoda
7/26/2018 3:53:43 PM



#36
1,2-Dichloroethane
Concen: 20.00 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	62.00 (61.70 to 62.70): VNO	Resp	233294
Ion Ratio	100	Lower	Upper
62	100		
98	9.3	7.8	11.6





#37

Trichloroethene

Concen: 20.00 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:130 Resp: 185108

Ion Ratio Lower Upper

130 100

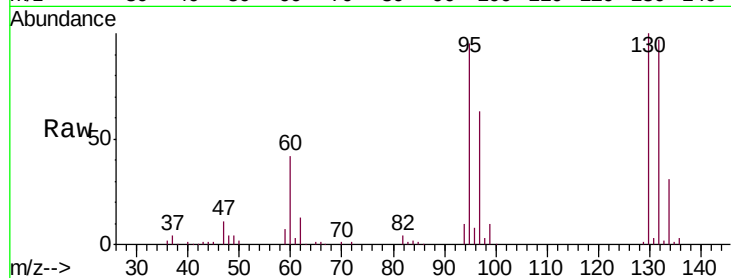
95 94.9 79.7 119.5

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

100000

80000

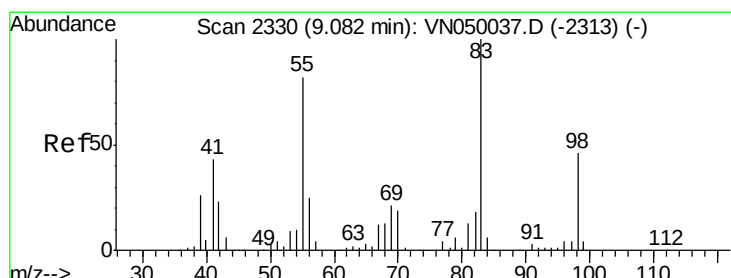
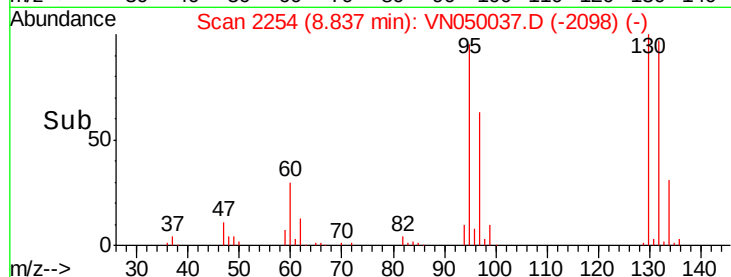
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 20.00 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

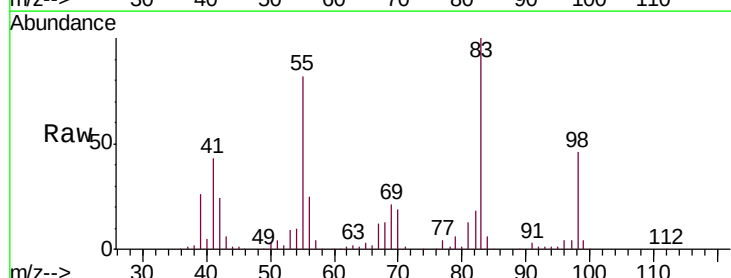
Tgt Ion: 83 Resp: 238605

Ion Ratio Lower Upper

83 100

55 80.3 39.3 117.8

98 45.4 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

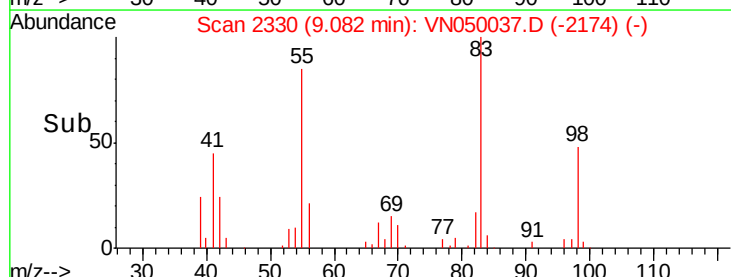
150000

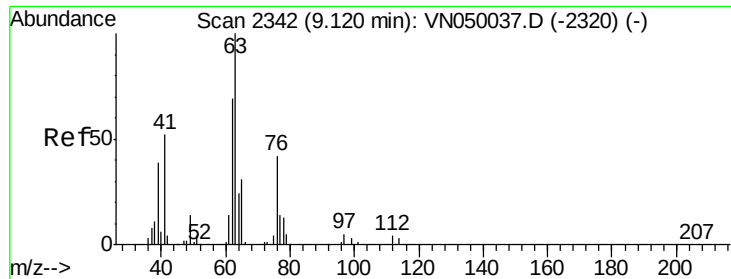
100000

50000

0

Time-->





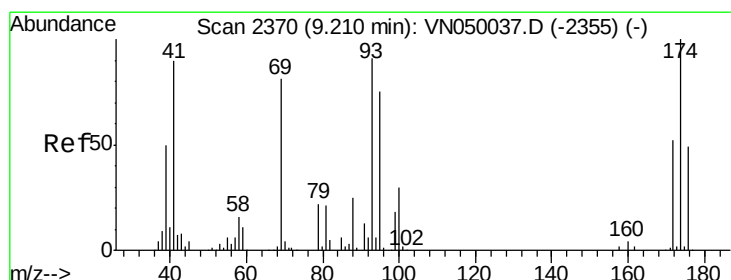
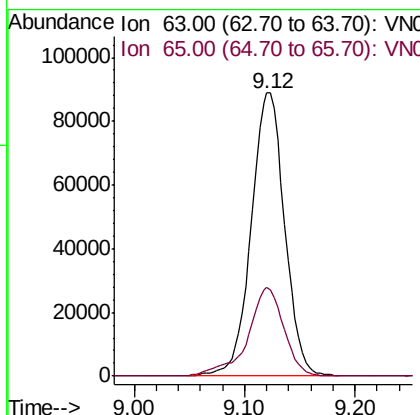
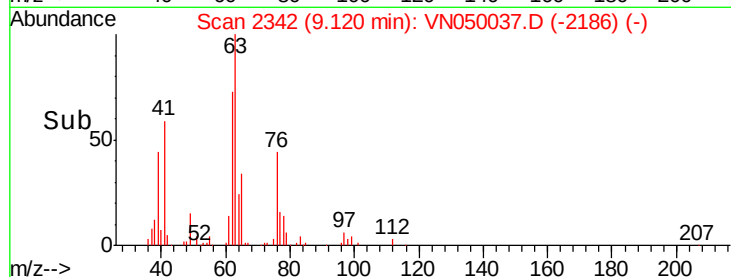
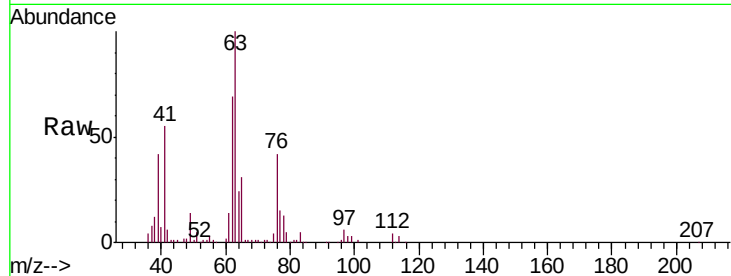
#39
 1,2-Dichloropropane
 Concen: 20.00 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 63 Resp: 187009
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.2

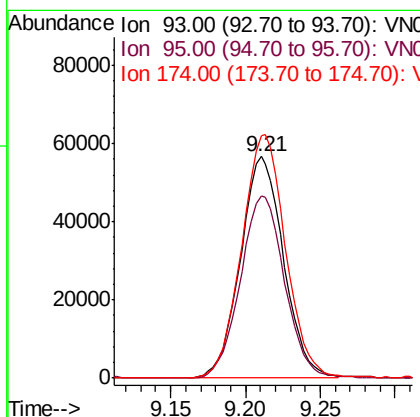
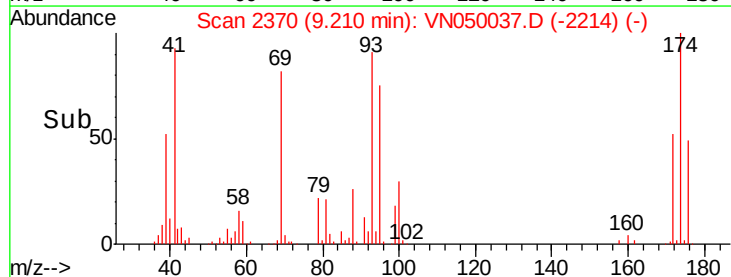
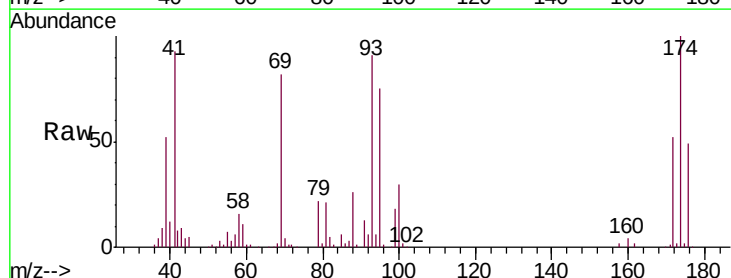
Manual Integrations
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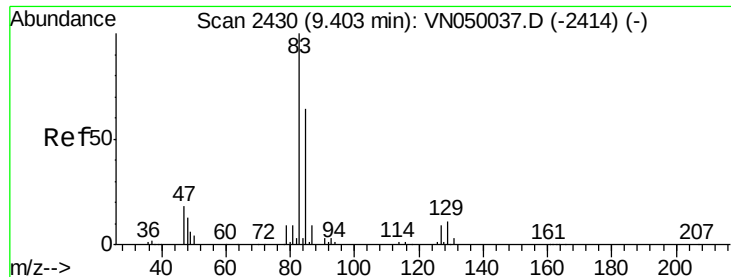
MMDadoda
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#40
 Dibromomethane
 Concen: 20.00 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 93 Resp: 113700
 Ion Ratio Lower Upper
 93 100
 95 84.2 0.0 165.6
 174 112.0 0.0 223.2





#41

Bromodichloromethane

Concen: 20.00 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

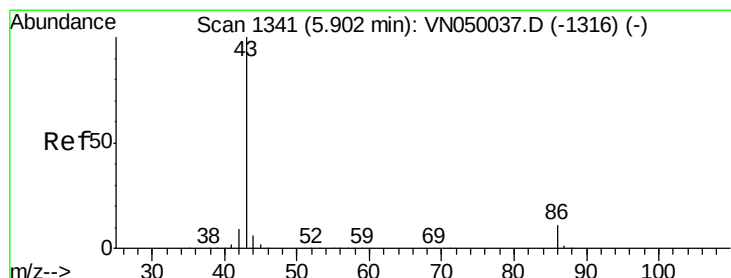
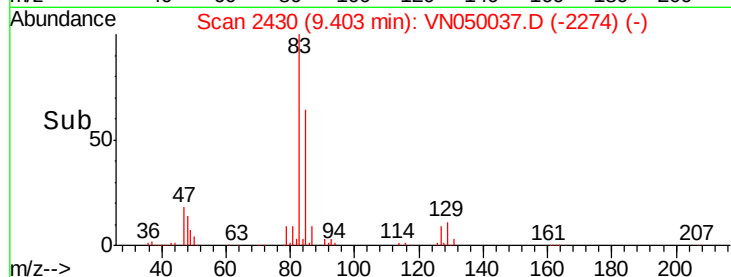
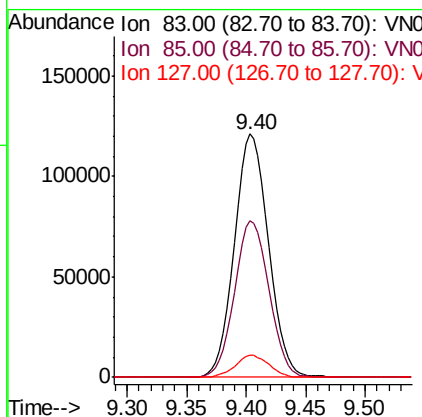
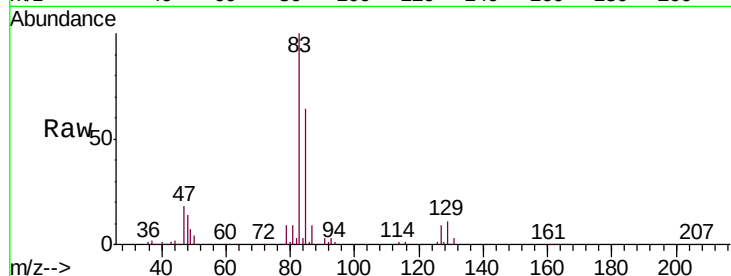
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	240710
Ion Ratio	Lower	Upper	
83	100		
85	64.4	52.6	78.8
127	9.0	7.0	10.4

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7/26/2018 3:53:43 PM



#42

Vinyl Acetate

Concen: 100.00 ug/l

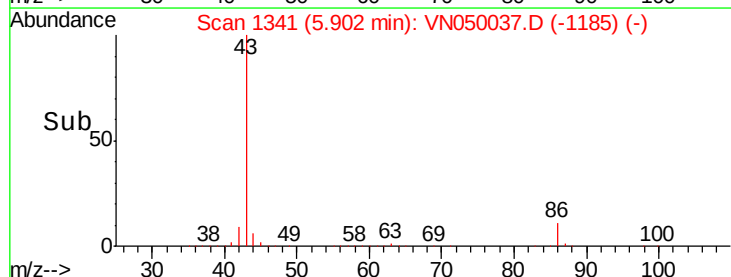
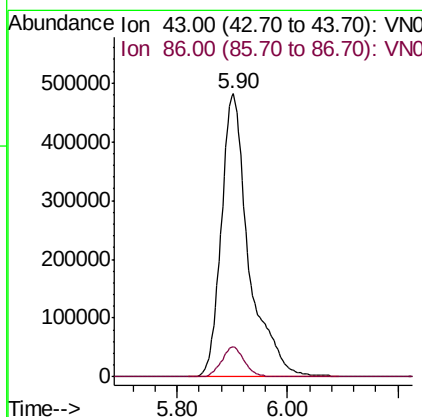
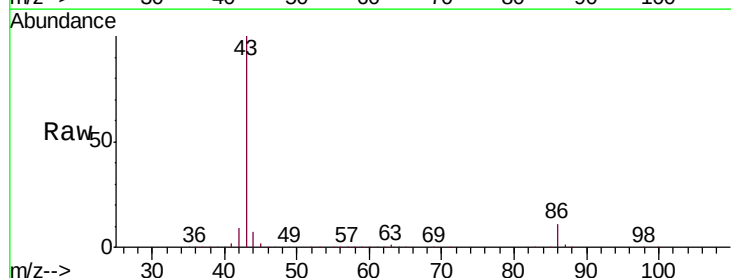
RT: 5.90 min Scan# 1341

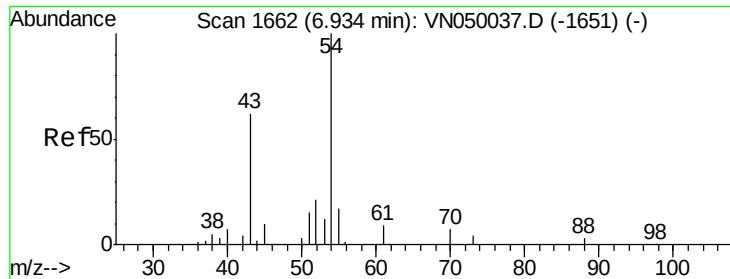
Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion:	43	Resp:	1662566
Ion Ratio	Lower	Upper	
43	100		
86	8.9	7.3	10.9





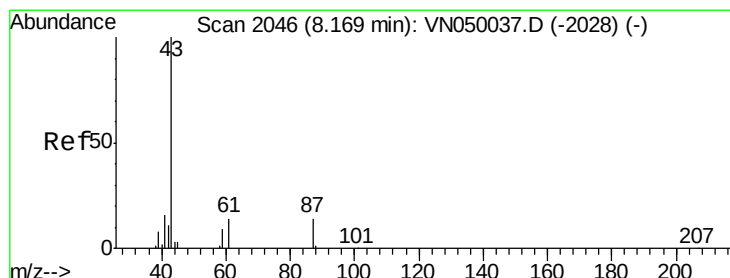
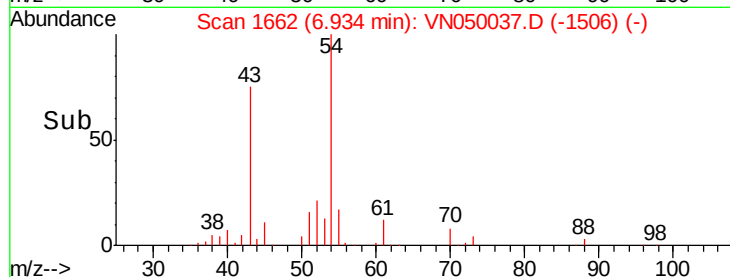
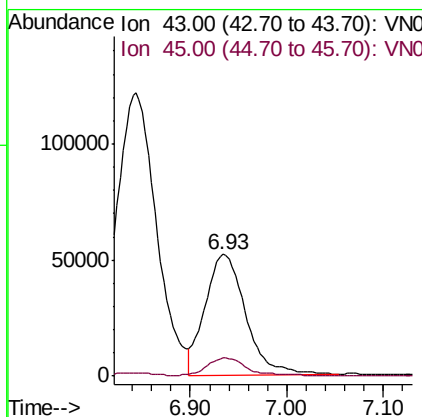
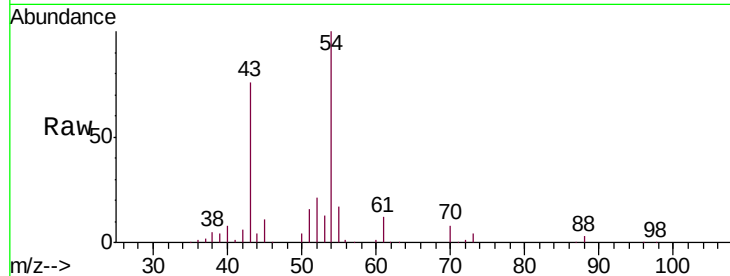
#43
Ethyl Acetate
Concen: 20.00 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion: 43 Resp: 151586
Ion Ratio Lower Upper
43 100
45 13.4 13.0 19.6

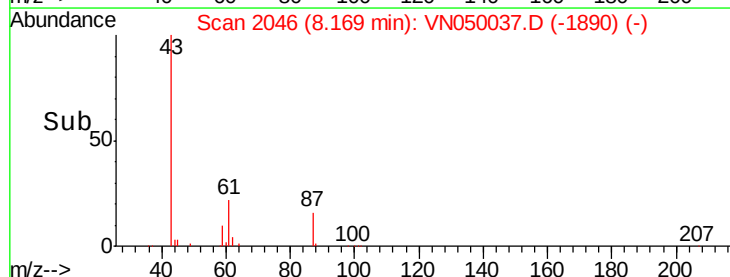
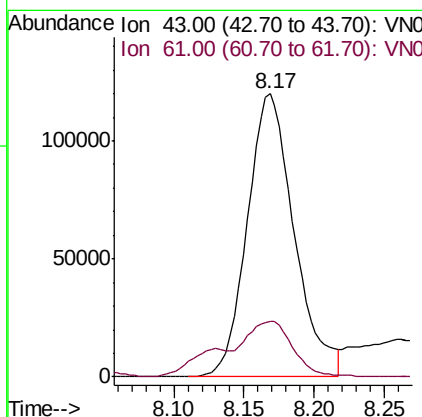
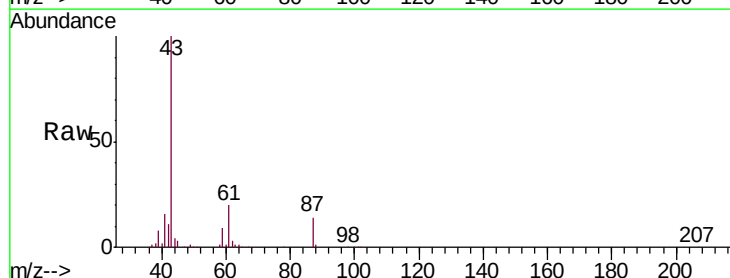
Manual Integrations
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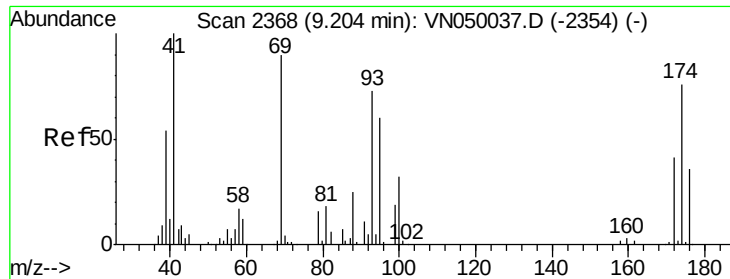
MMDadoda
7/26/2018 3:53:43 PM



#44
Isopropyl Acetate
Concen: 20.00 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 43 Resp: 277386
Ion Ratio Lower Upper
43 100
61 19.2 16.4 24.6





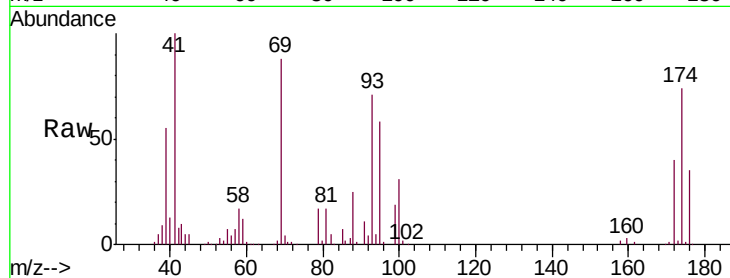
#45
 1,4-Dioxane
 Concen: 400.00 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	33.1	26.9	40.3	
58	67.2	53.6	80.4	

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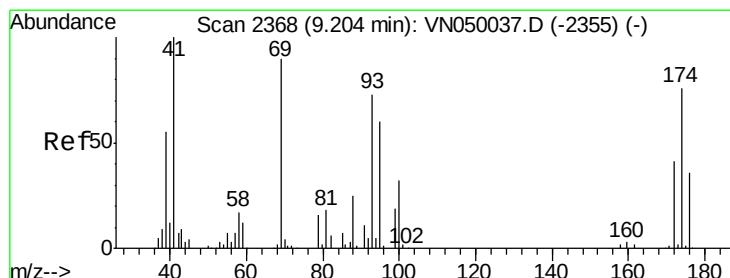
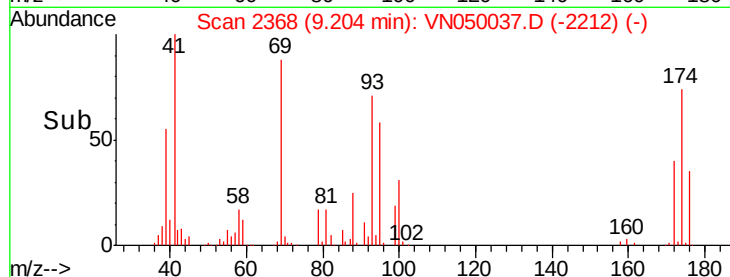
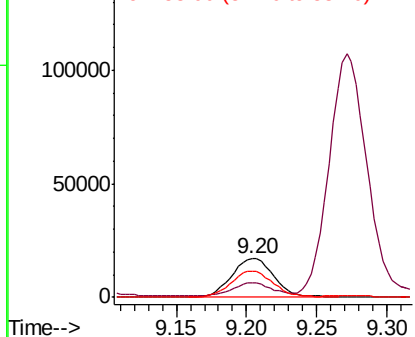


Abundance

Ion 88.00 (87.70 to 88.70): VN0

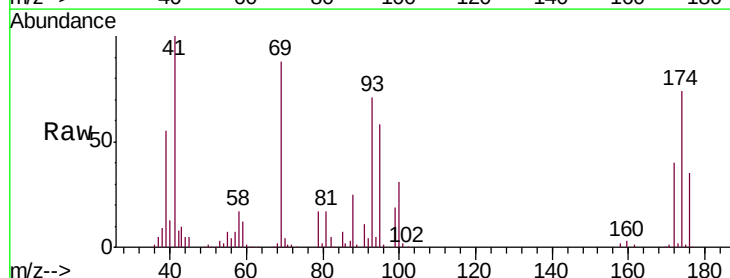
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 20.00 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	89.5	44.0	132.1	
39	54.7	27.0	80.8	

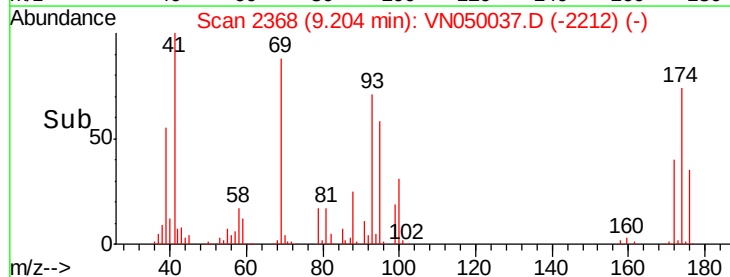
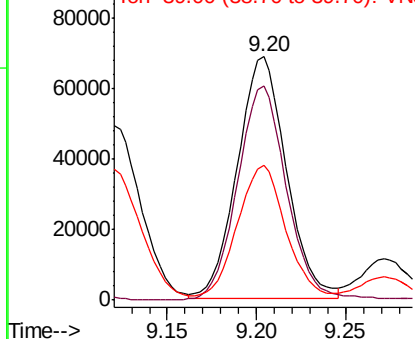


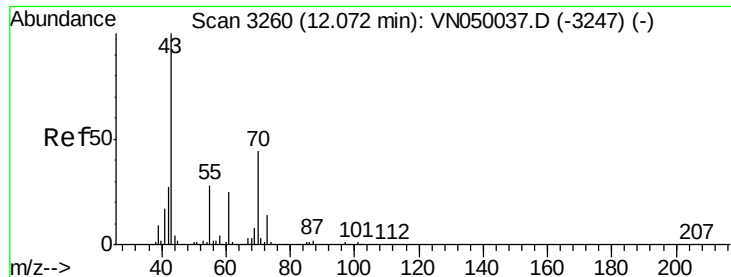
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amyl Acetate

Concen: 20.00 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion: 43 Resp: 197586

Ion Ratio Lower Upper

43 100

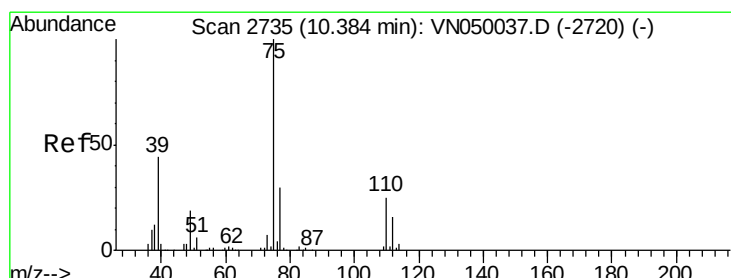
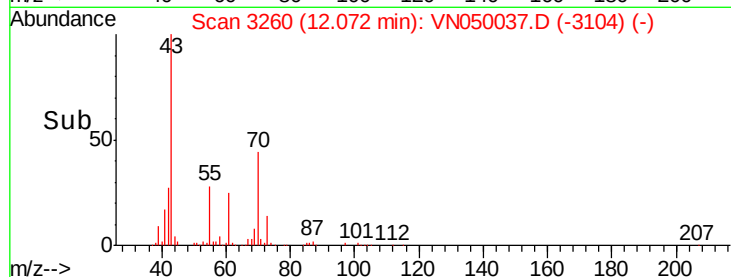
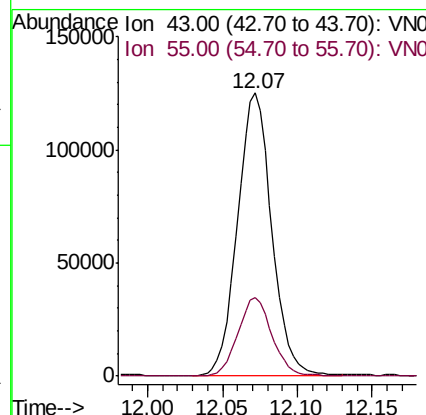
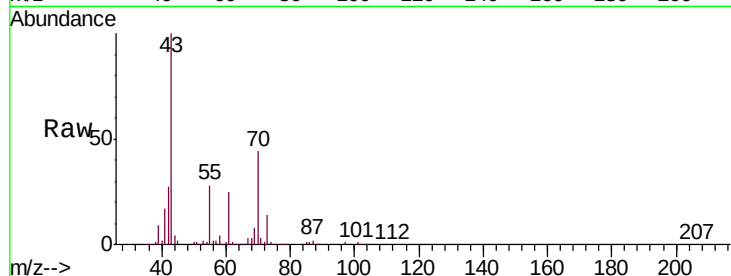
55 28.0 21.0 31.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.93 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050037.D

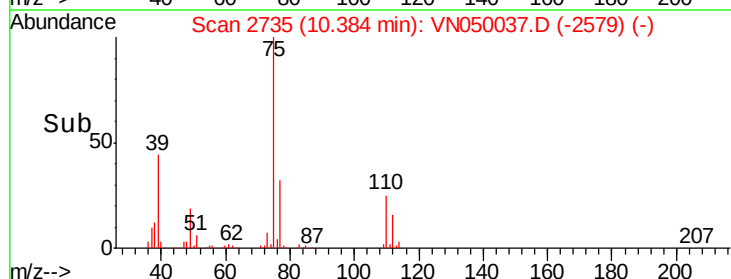
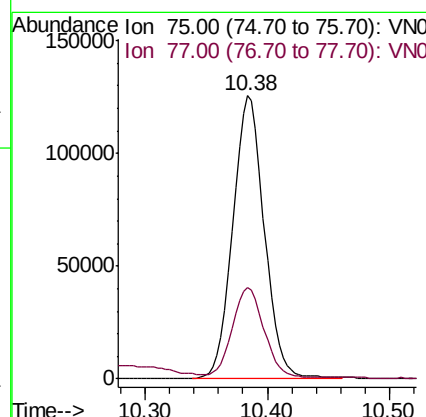
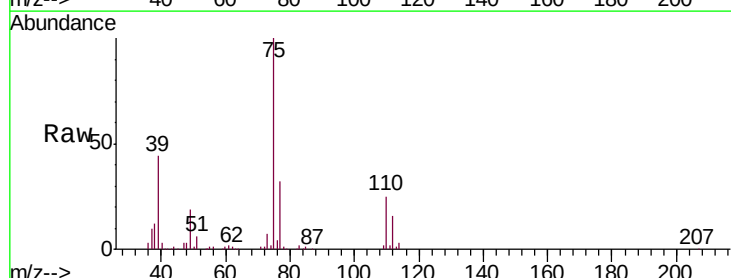
Acq: 25 Jul 2018 8:56

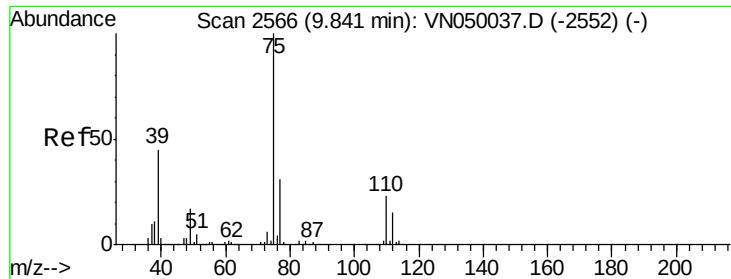
Tgt Ion: 75 Resp: 226371

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0





#49

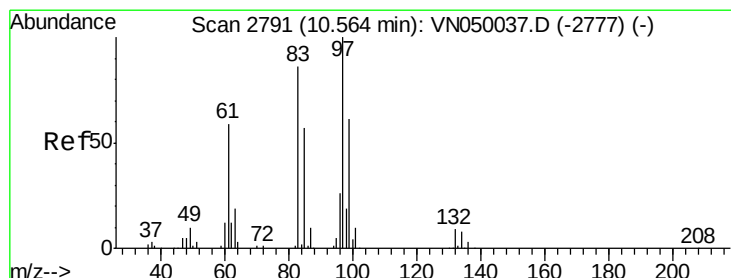
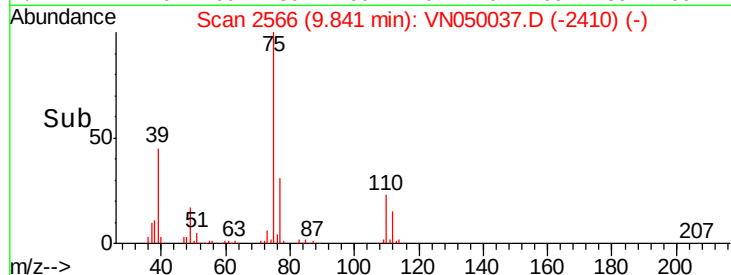
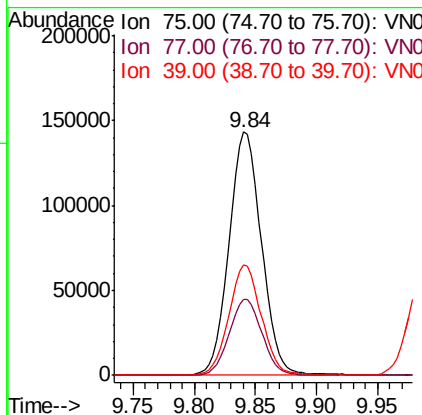
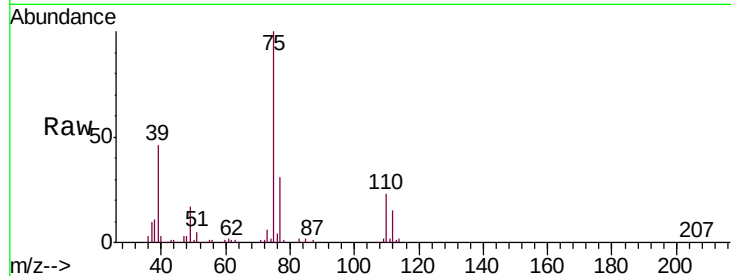
cis-1,3-Dichloropropene
Concen: 20.00 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.7	38.5
39	45.4	36.3	54.5

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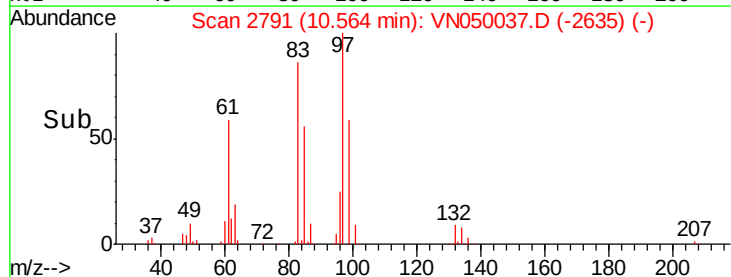
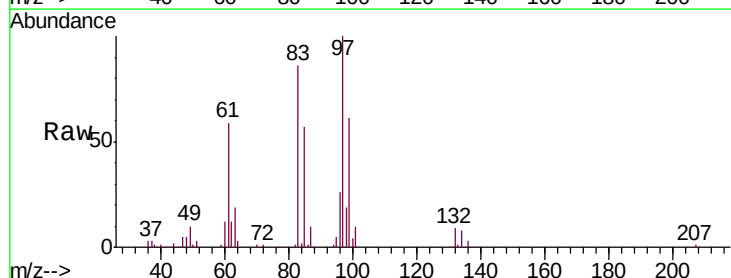
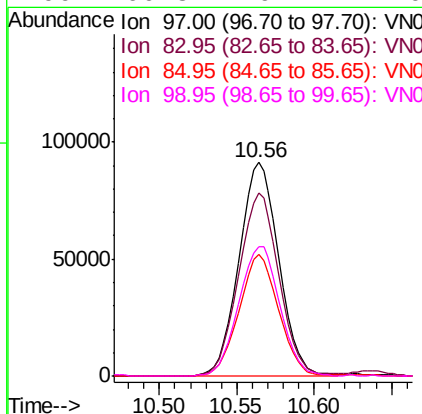
MMDadoda
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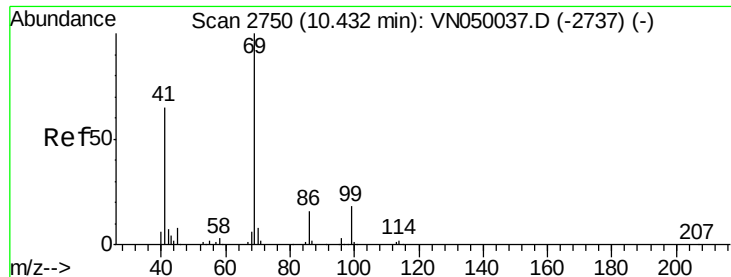


#50

1,1,2-Trichloroethane
Concen: 20.00 ug/l
RT: 10.56 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.1	102.1
85	56.8	45.4	68.2
99	60.8	49.4	74.0





#51

Ethyl methacrylate

Concen: 20.00 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

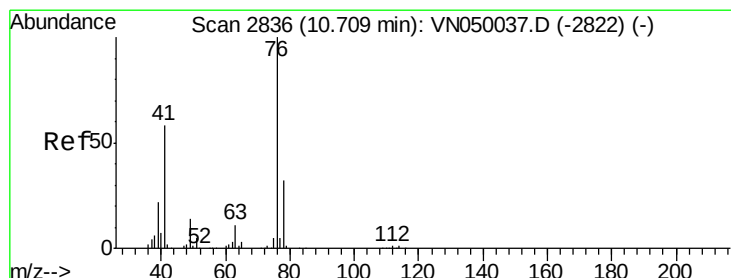
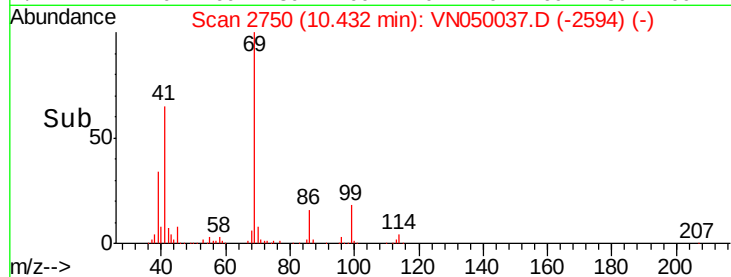
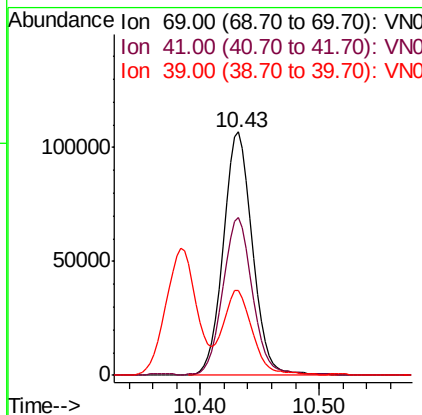
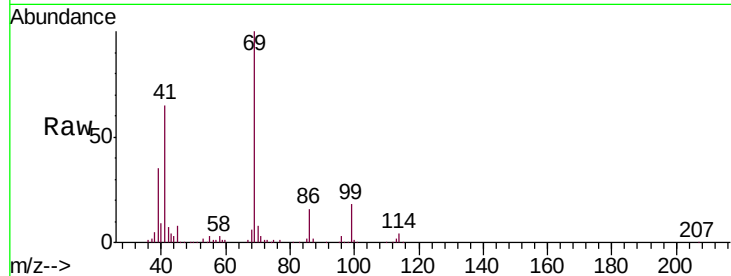
ClientSampled :

VSTDICCC020

Tot Ion:	69	Resp:	181938
Ion Ratio	Lower	Upper	
69	100		
41	64.6	31.9	95.9
39	34.3	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.00 ug/l

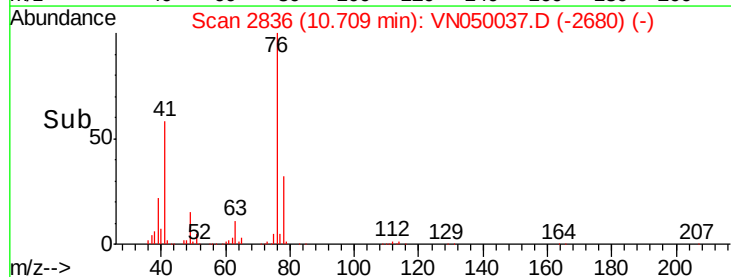
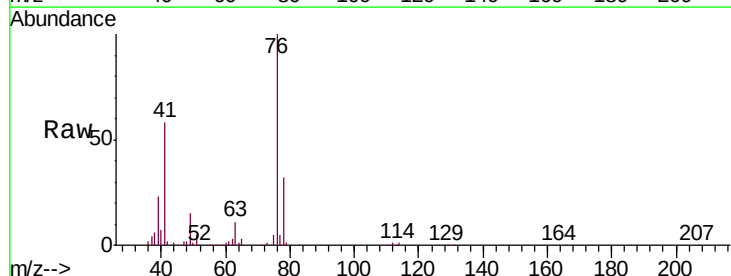
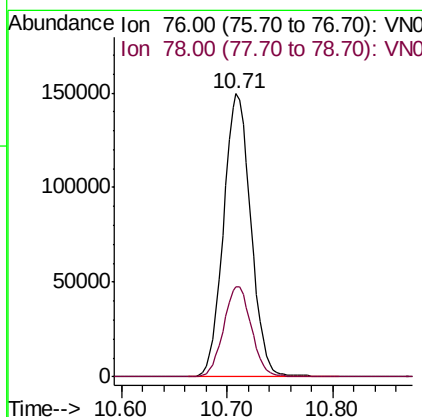
RT: 10.71 min Scan# 2836

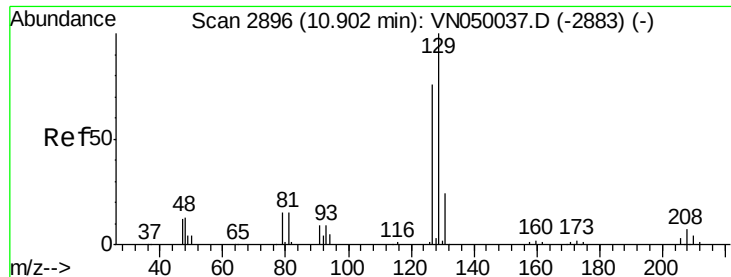
Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion:	76	Resp:	268236
Ion Ratio	Lower	Upper	
76	100		
78	32.3	0.0	65.6





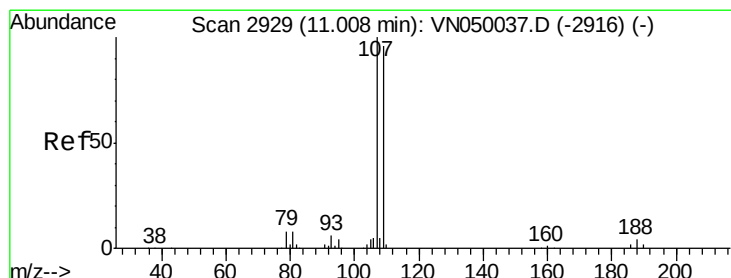
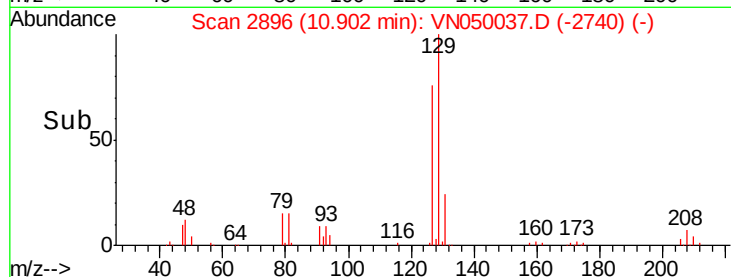
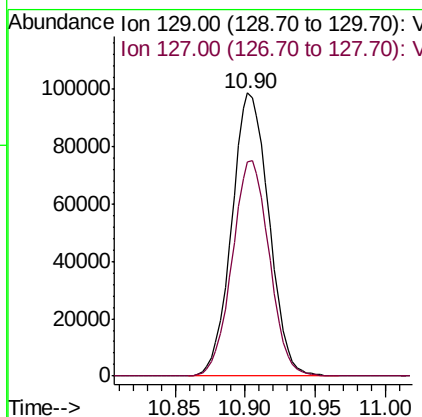
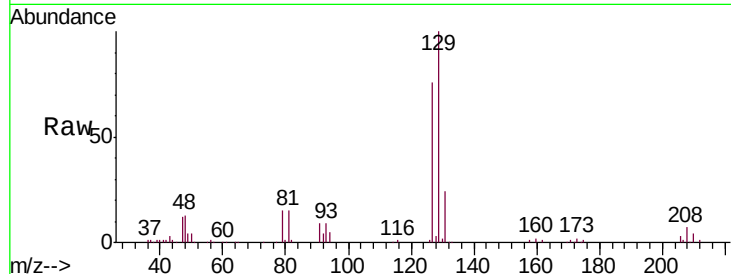
#53
Dibromochloromethane
Concen: 20.00 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:129 Resp: 182574
Ion Ratio Lower Upper
129 100
127 75.7 38.1 114.5

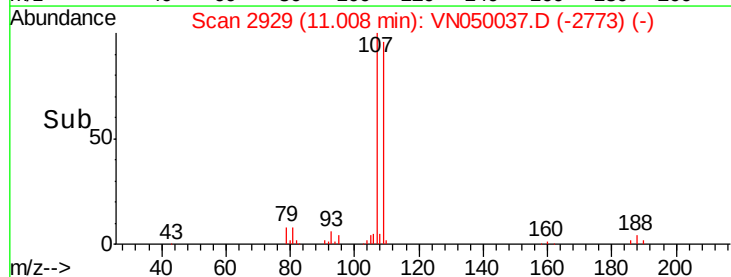
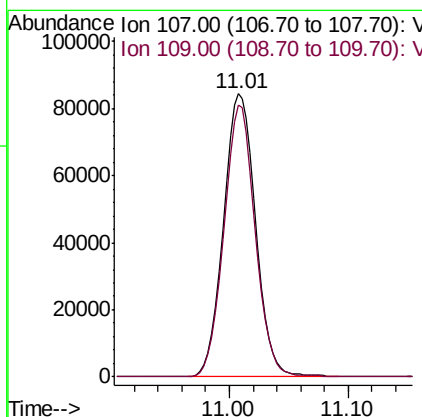
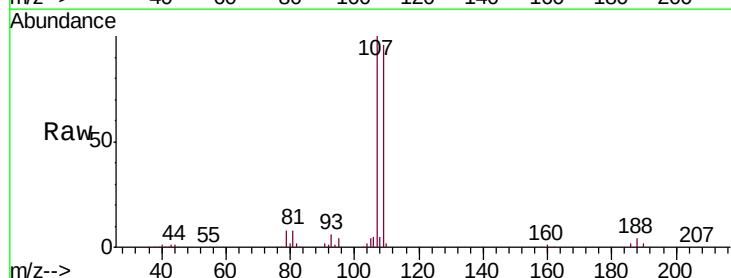
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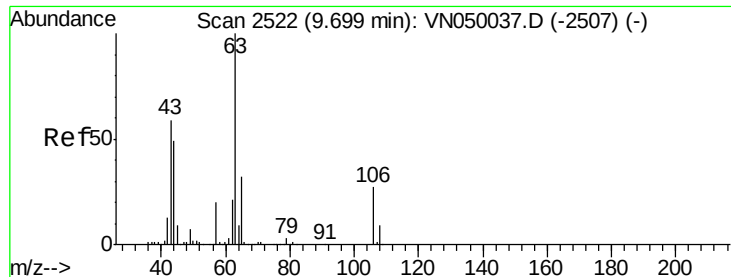
MMDadoda
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#54
1,2-Dibromoethane
Concen: 20.00 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion:107 Resp: 157302
Ion Ratio Lower Upper
107 100
109 93.6 76.2 114.2





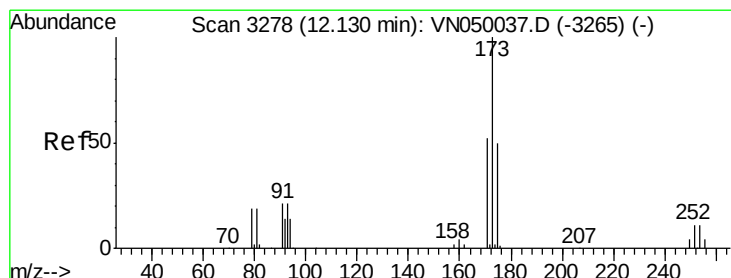
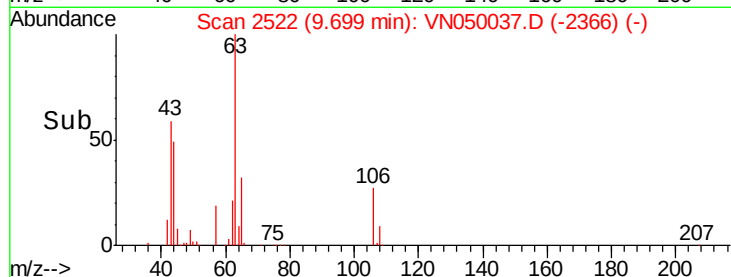
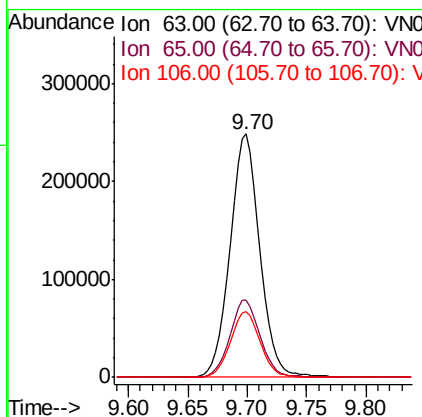
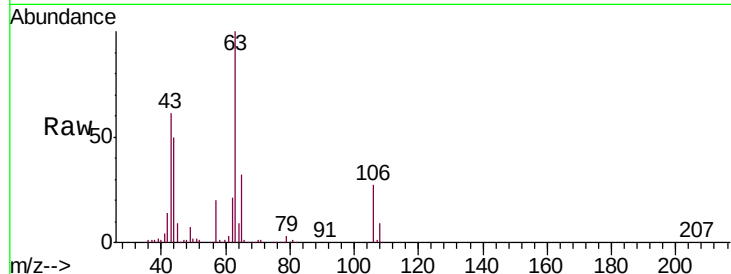
#55
2-Chloroethyl vinyl ether
Concen: 100.00 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	27.3	21.8	32.6

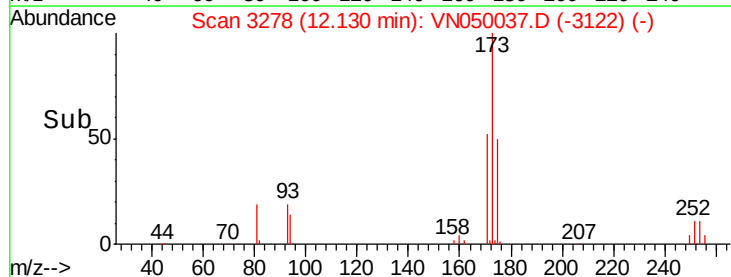
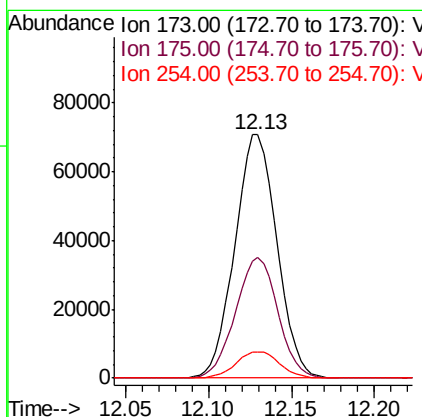
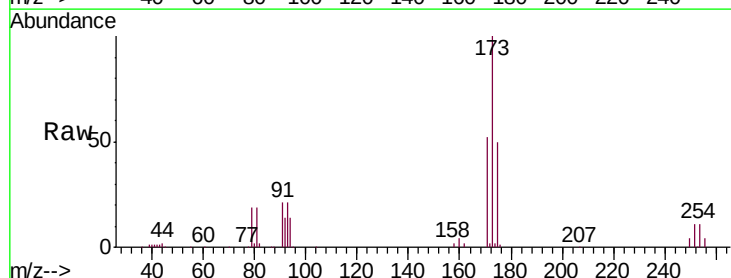
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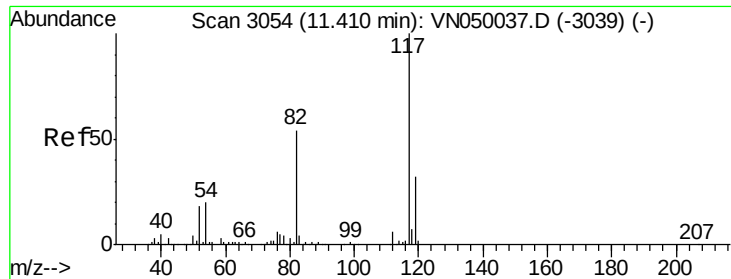
MMDadoda
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#56
Bromoform
Concen: 20.00 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.6	57.8
254	11.2	8.8	13.2





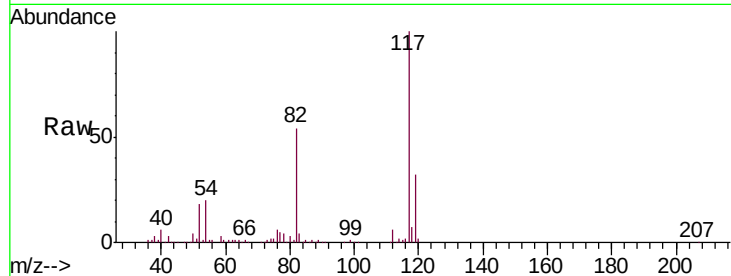
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

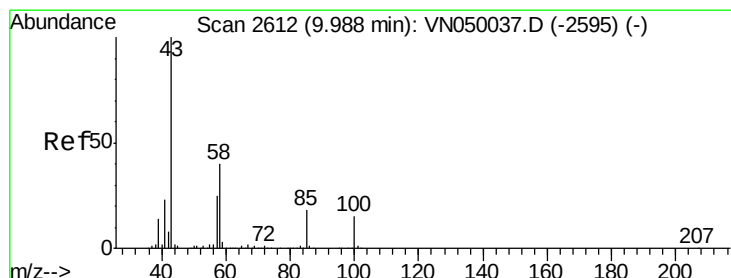
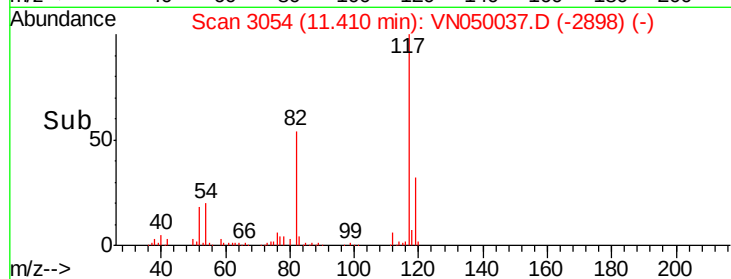
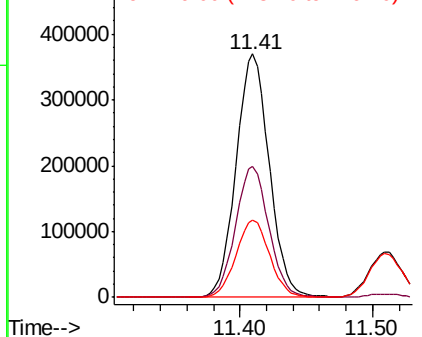
Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	54.1	42.4	63.6
119	32.2	25.4	38.0

Manual Integrations
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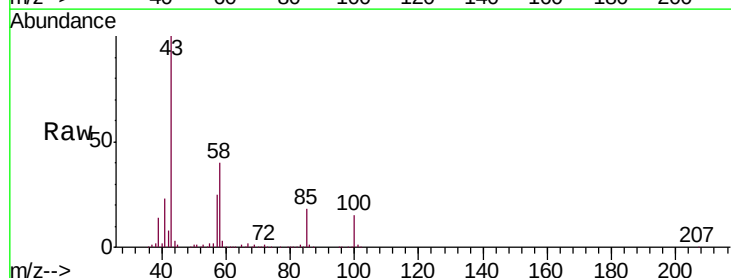


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

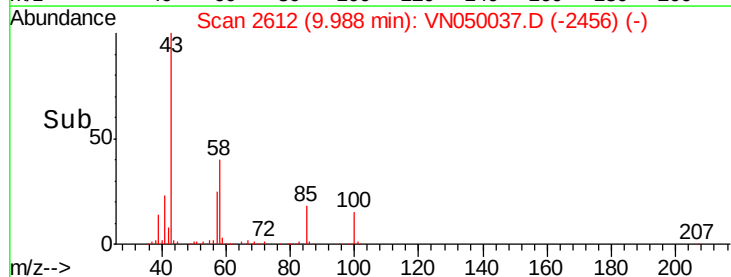
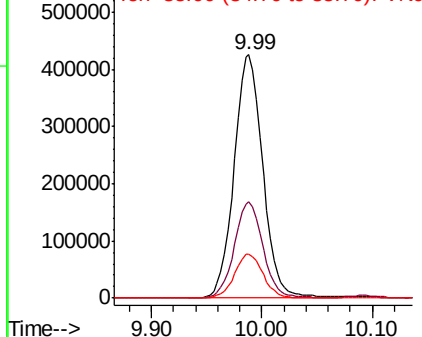


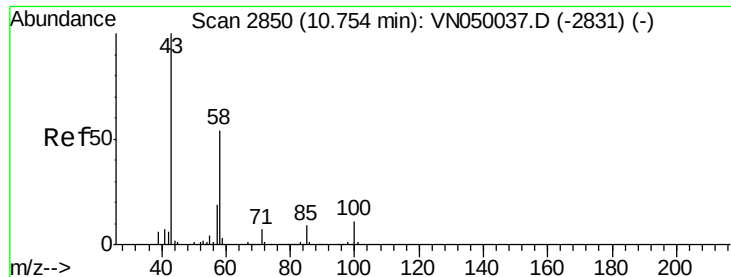
#58
4-Methyl-2-Pentanone
Concen: 100.00 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	39.5	31.2	46.8
85	18.1	14.4	21.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





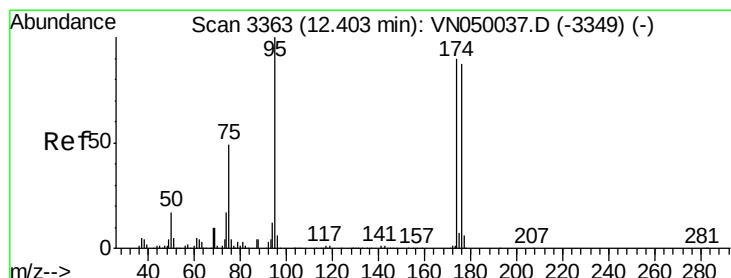
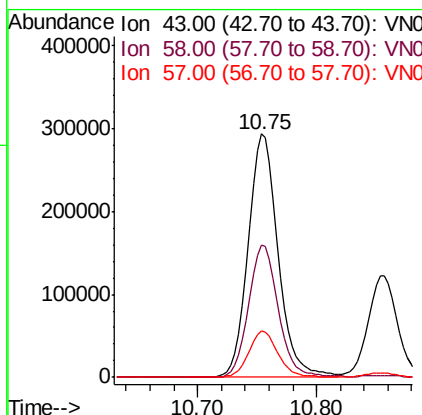
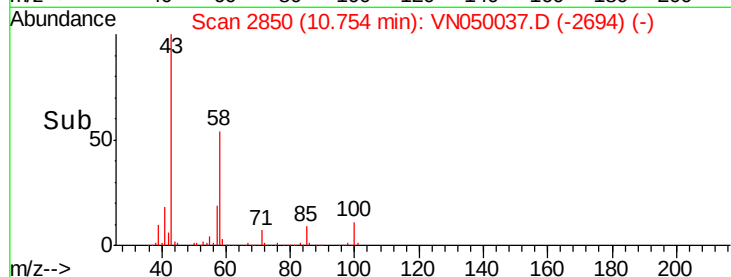
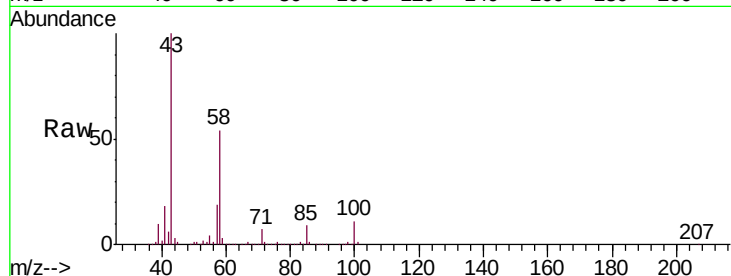
#59
2-Hexanone
Concen: 100.00 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	43.8	65.8
57	18.8	15.1	22.7

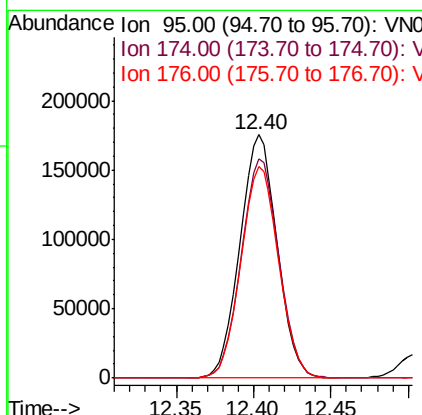
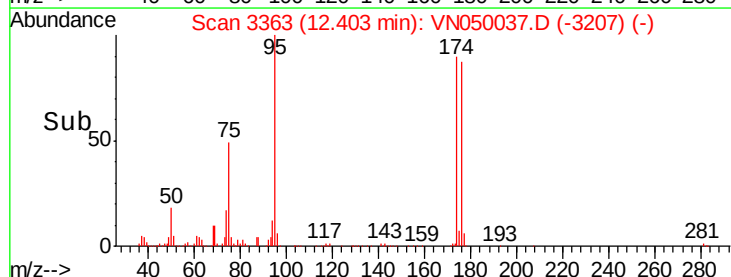
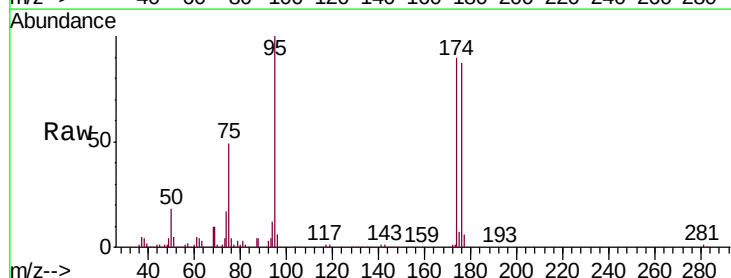
Manual Integrations
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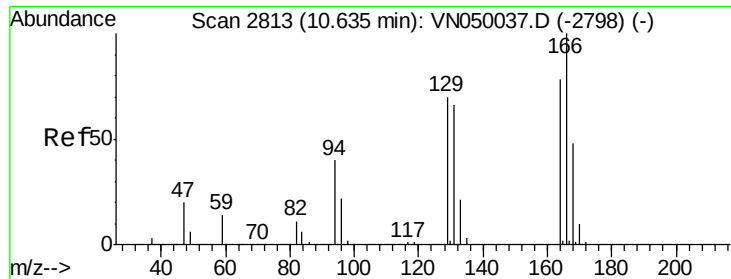
MMDadoda
7/26/2018 3:53:43 PM



#60
4-Bromofluorobenzene
Concen: 30.00 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	72.3	108.5
176	88.1	70.0	105.0





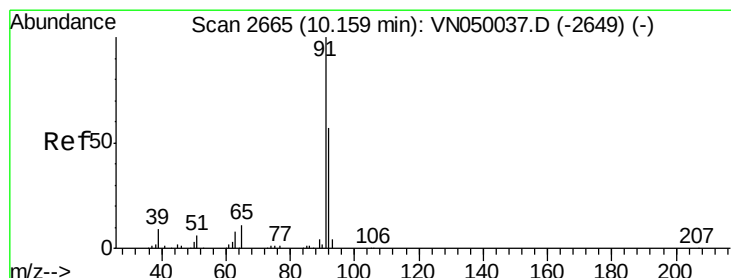
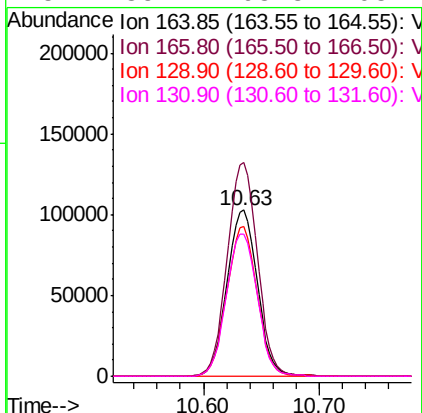
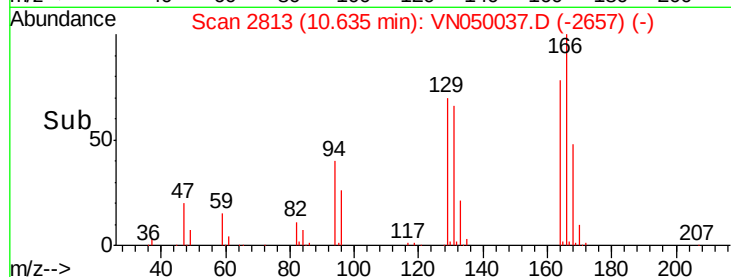
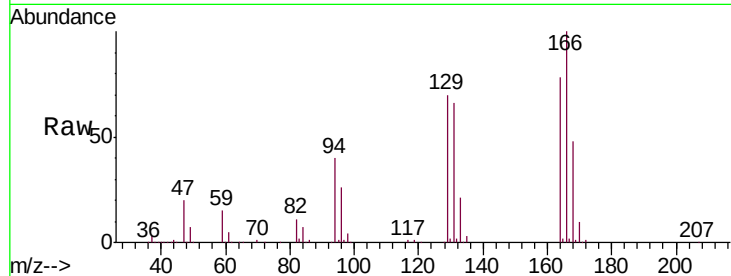
#61
Tetrachloroethene
Concen: 20.00 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.0	150.0
129	90.1	69.3	103.9
131	85.4	68.8	103.2

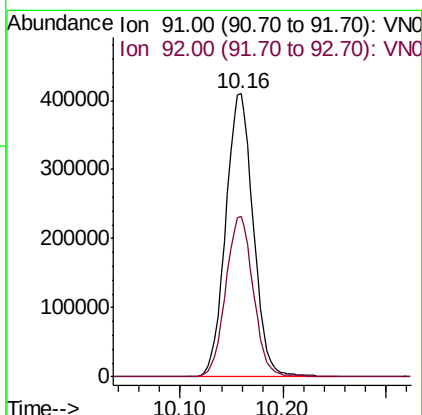
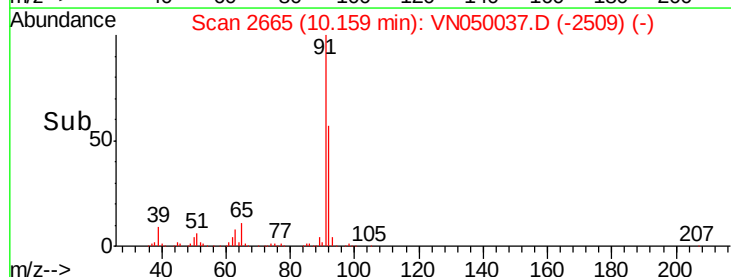
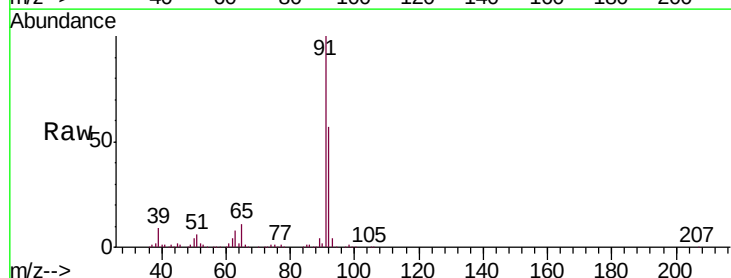
Manual Integrations
APPROVED

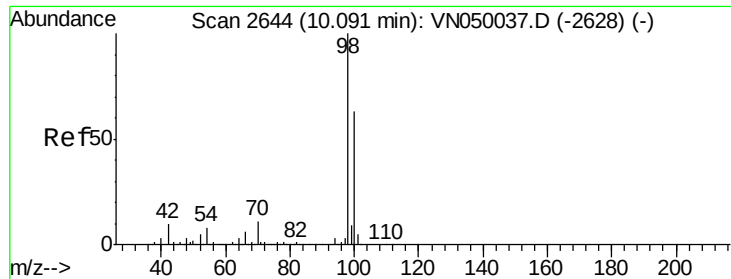
MMDadoda
7/26/2018 3:53:43 PM



#62
Toluene
Concen: 20.00 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.7	68.5





#63

Toluene-d8

Concen: 30.00 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 98 Resp: 946855

Ion Ratio Lower Upper

98 100

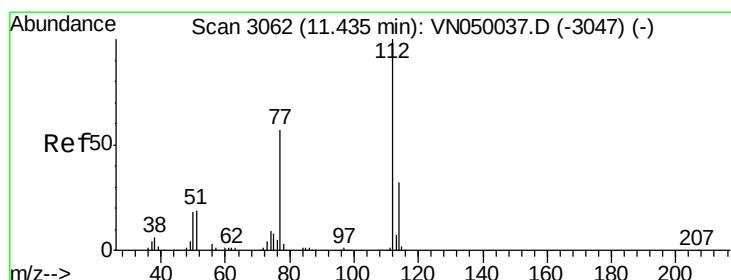
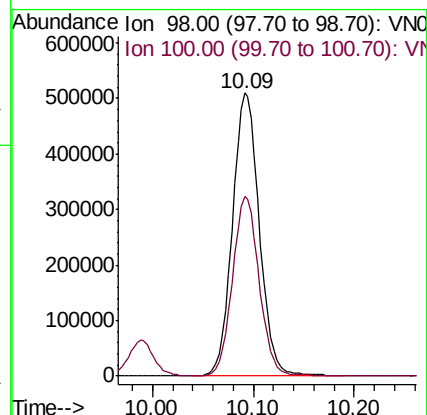
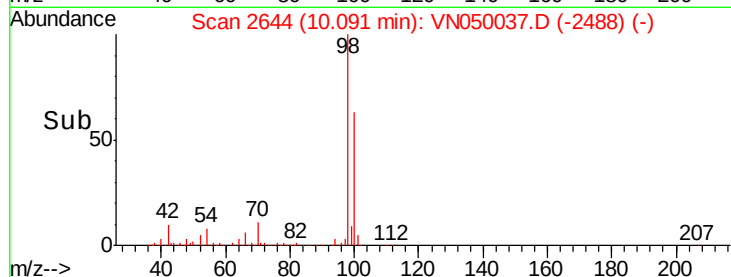
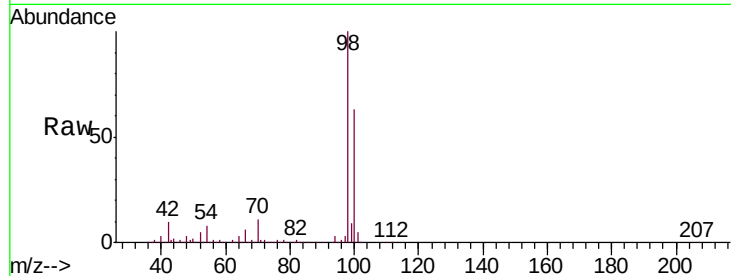
100 62.7 51.2 76.8

Manual Integrations

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#64

Chlorobenzene

Concen: 20.00 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050037.D

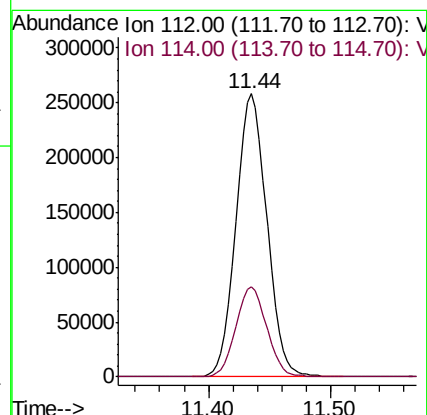
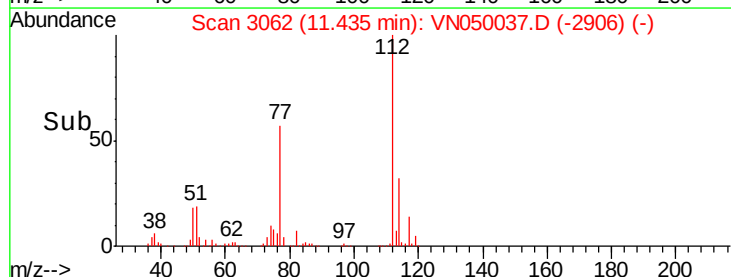
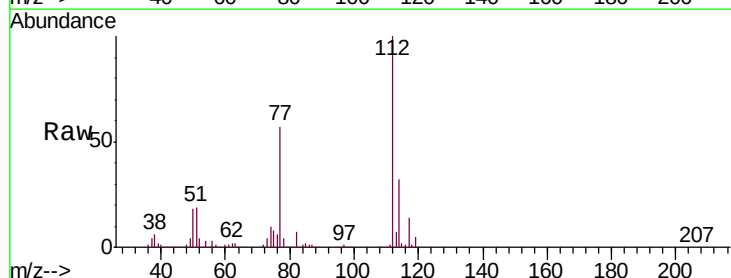
Acq: 25 Jul 2018 8:56

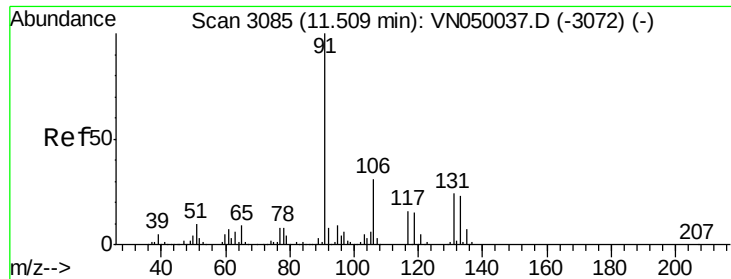
Tgt Ion: 112 Resp: 454454

Ion Ratio Lower Upper

112 100

114 31.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.00 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

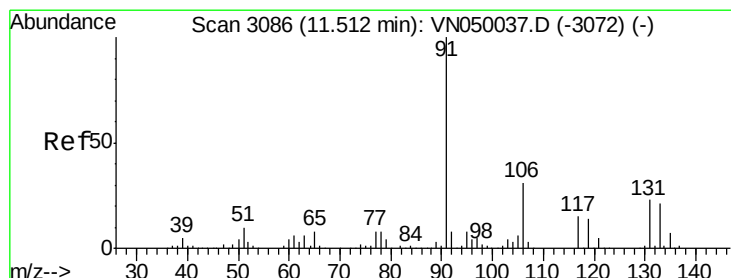
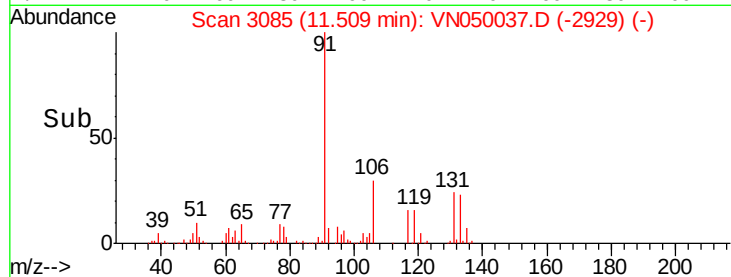
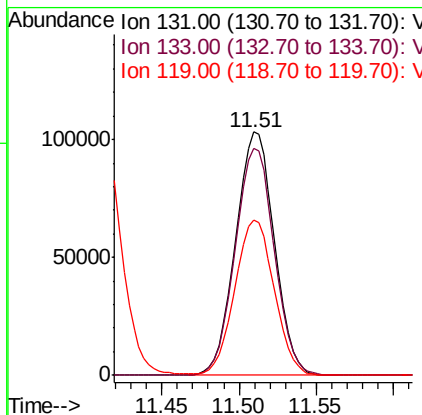
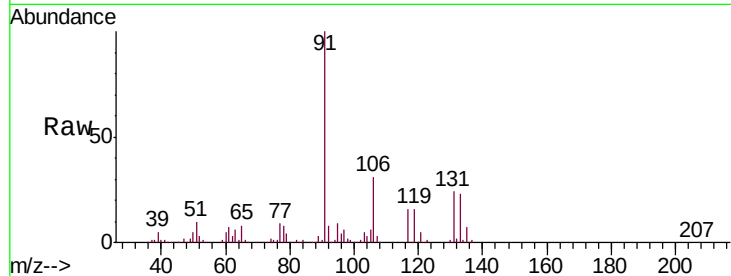
ClientSampled :

VSTDICCC020

Tot Ion:	131	Resp:	179657
Ion Ratio	Lower	Upper	
131	100		
133	94.2	0.0	190.0
119	64.8	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.00 ug/l

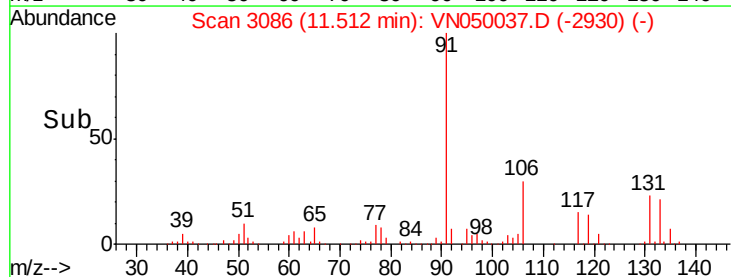
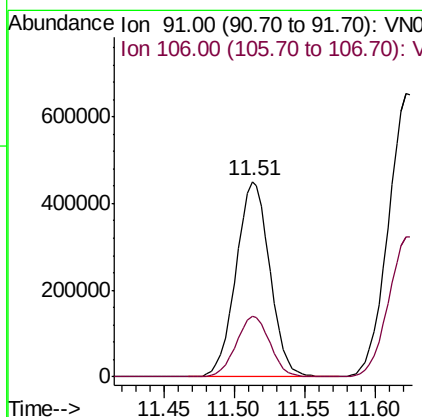
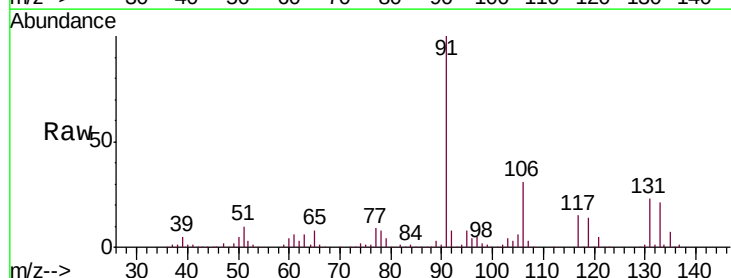
RT: 11.51 min Scan# 3086

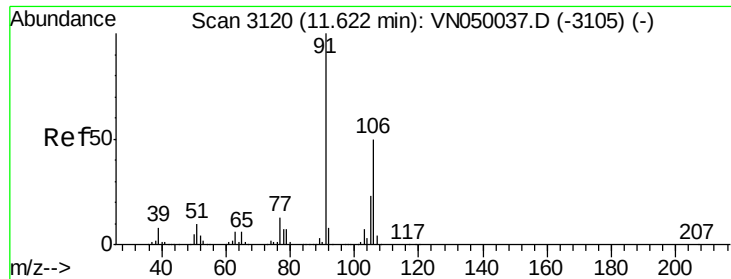
Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion:	91	Resp:	757112
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.1	37.7





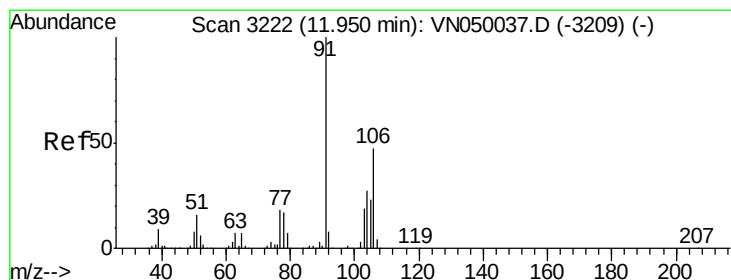
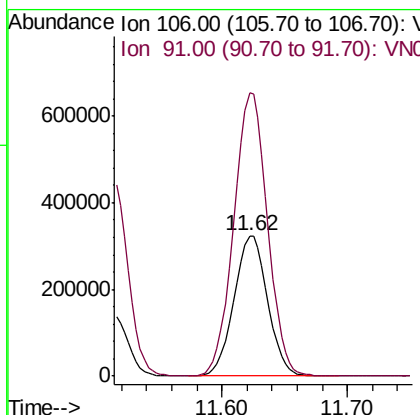
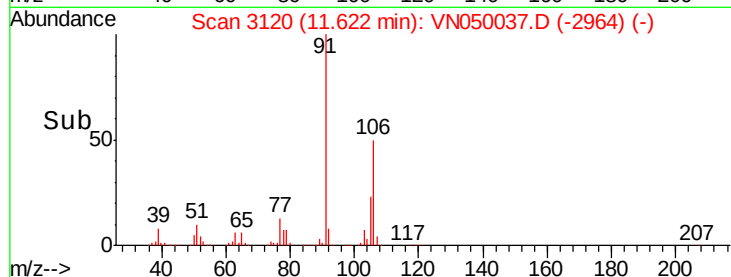
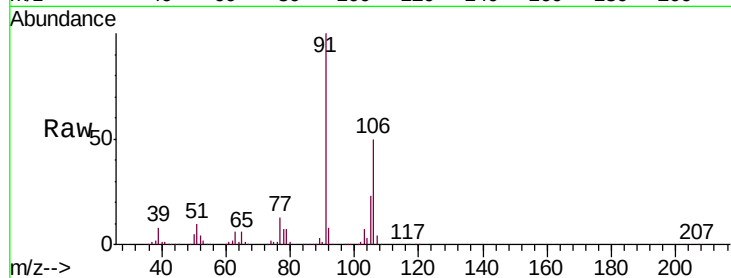
#67
m/p-Xylenes
Concen: 40.00 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		601581		
91	202.6	162.5	243.7		

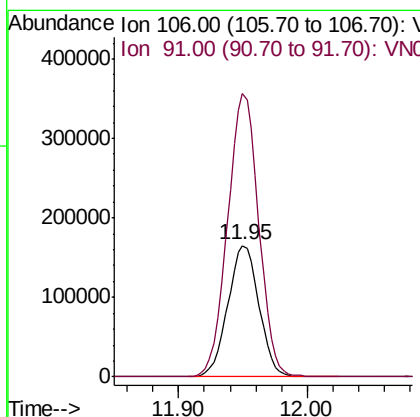
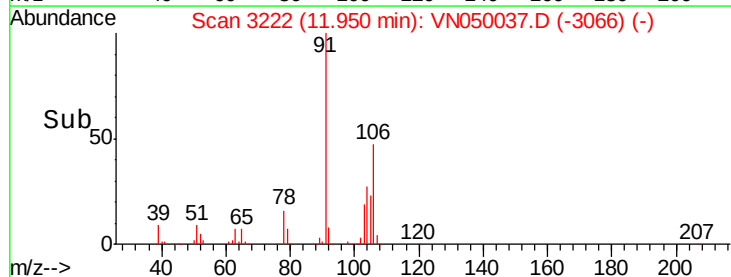
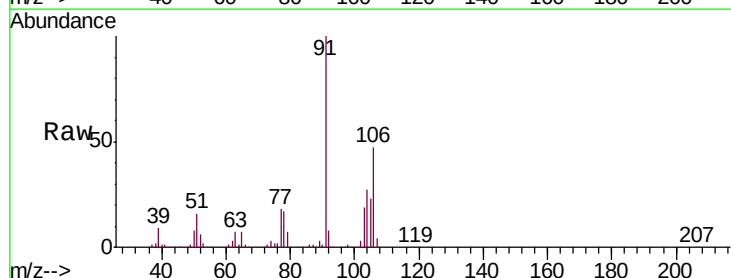
Manual Integrations
APPROVED

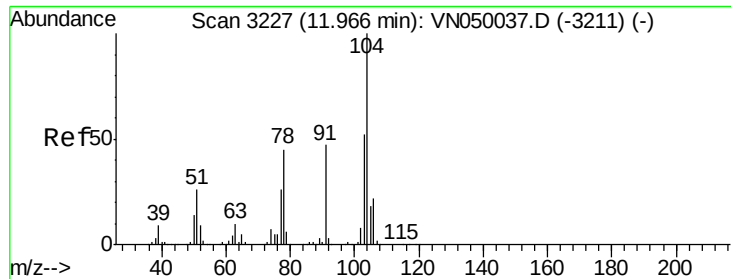
MMDadoda
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#68
o-Xylene
Concen: 20.00 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		276280		
91	215.5	106.8	320.4		





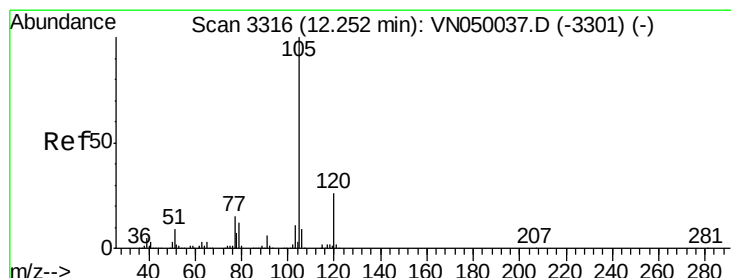
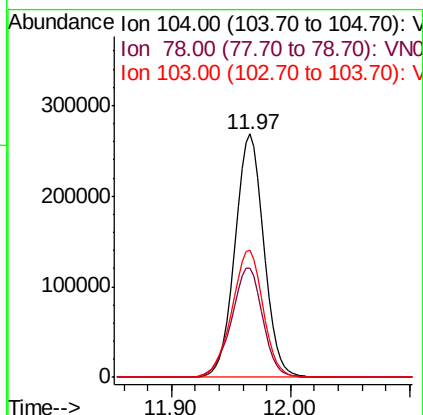
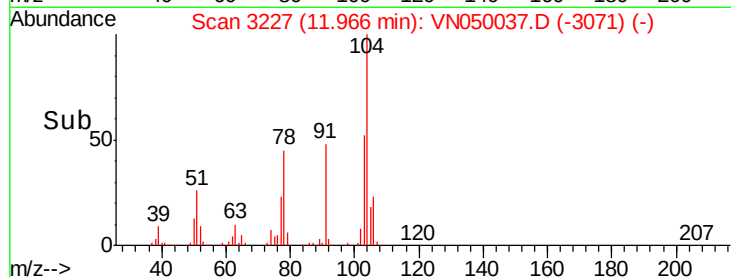
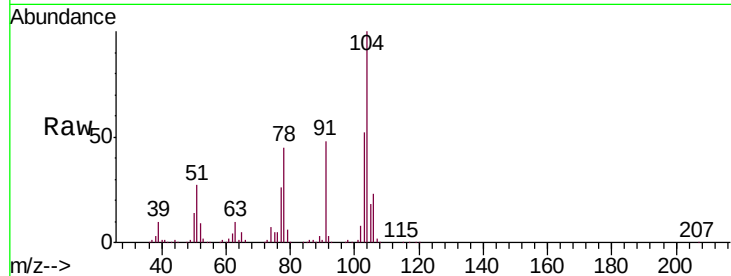
#69
Stvrene
Concen: 20.00 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	56.4	44.5	66.7

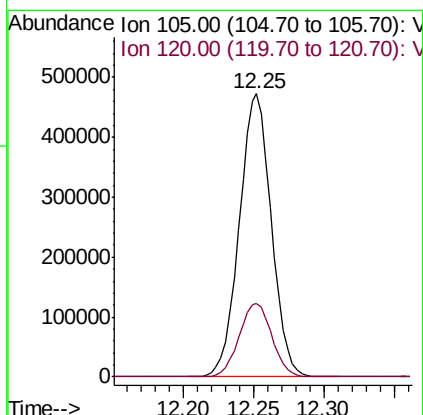
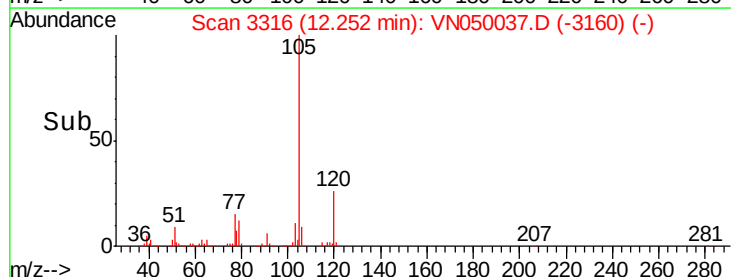
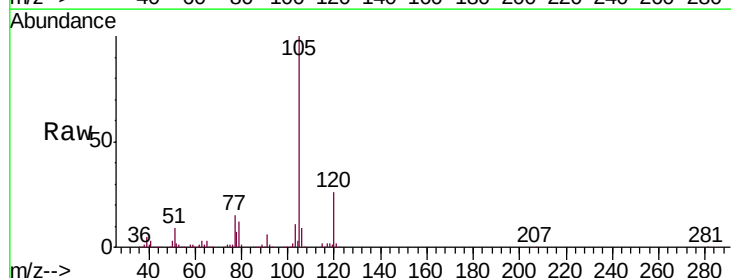
Manual Integrations
APPROVED

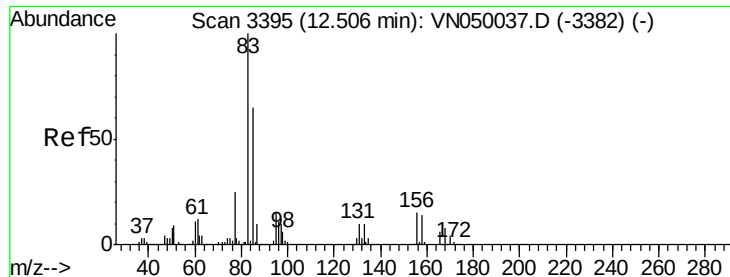
MMDadoda
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#70
Isopropylbenzene
Concen: 20.00 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.9	35.1





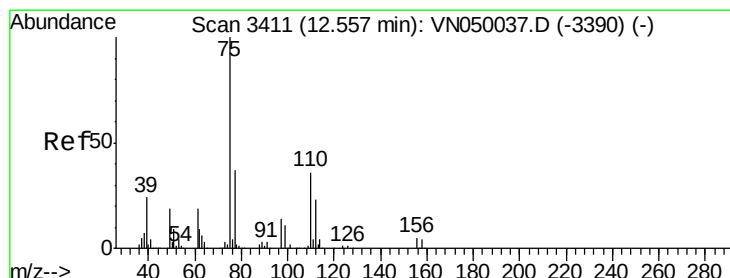
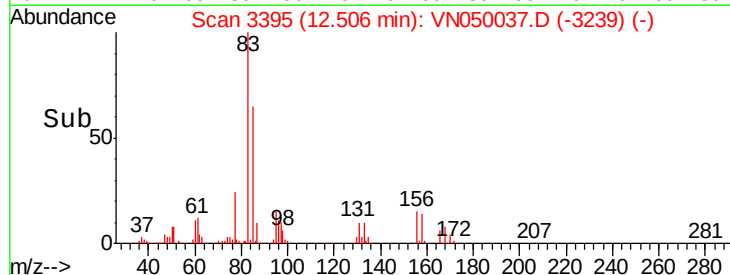
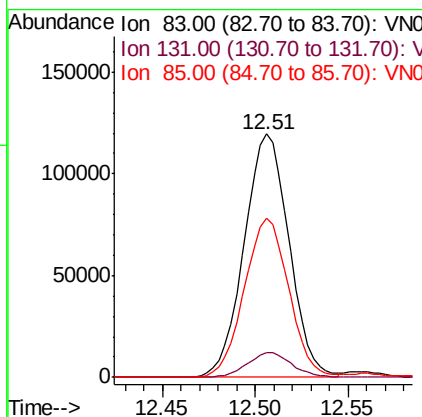
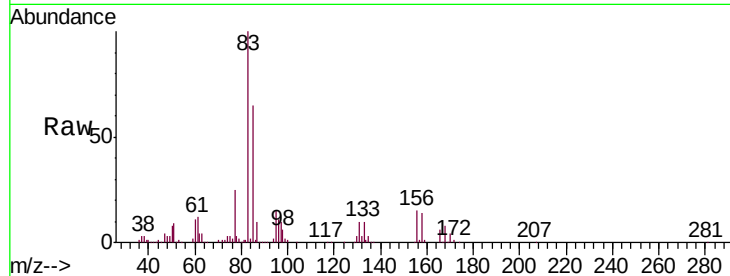
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.00 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.2	15.6
85	64.7	31.7	95.1

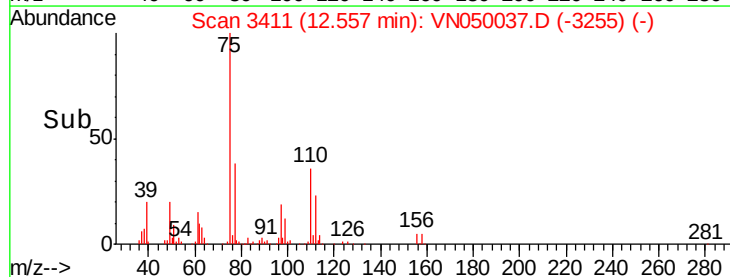
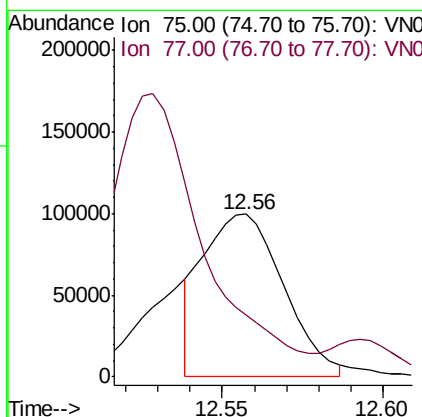
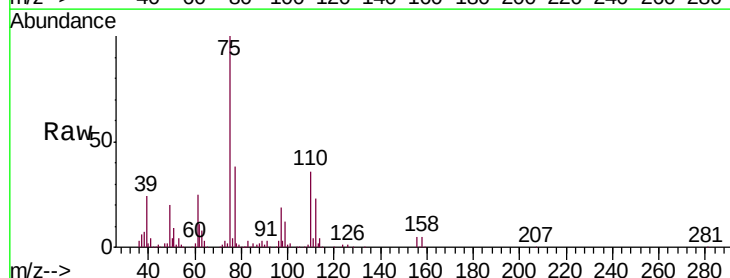
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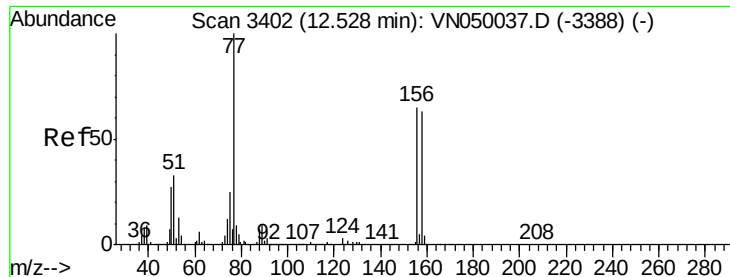
MMDadoda
 7/26/2018 3:53:43 PM



#72
 1,2,3-Trichloropropane
 Concen: 14.40 ug/l m
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	204.5	0.0	454.4





#73

Bromobenzene

Concen: 20.00 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

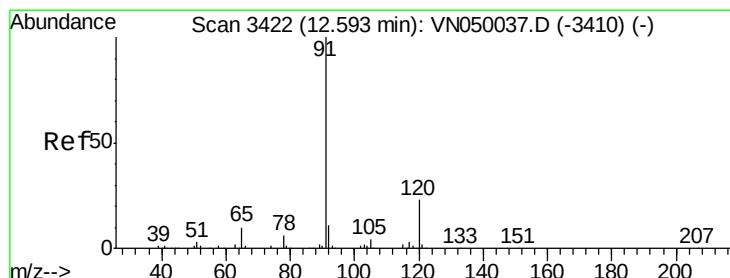
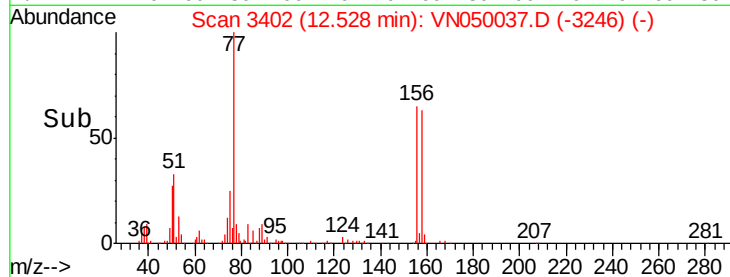
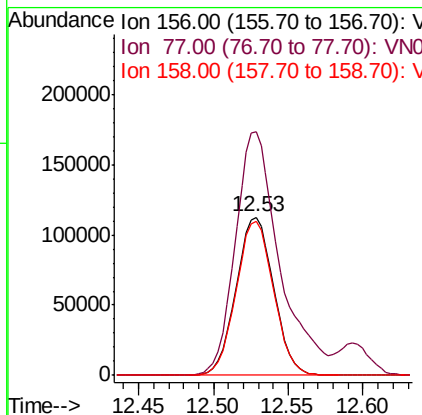
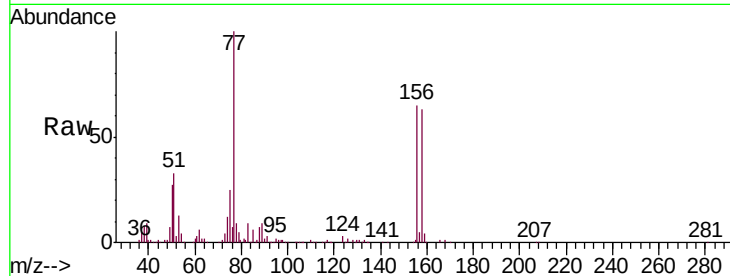
ClientSampleId :

VSTDICCC020

Tot Ion:	156	Resp:	196518
Ion Ratio	Lower	Upper	
156	100		
77	181.9	0.0	359.8
158	97.1	0.0	192.8

Manual Integrations
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#74

n-propylbenzene

Concen: 20.00 ug/l

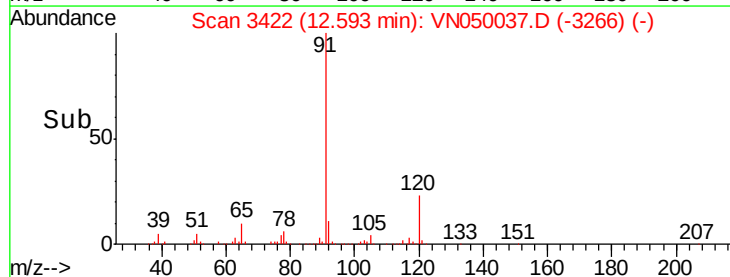
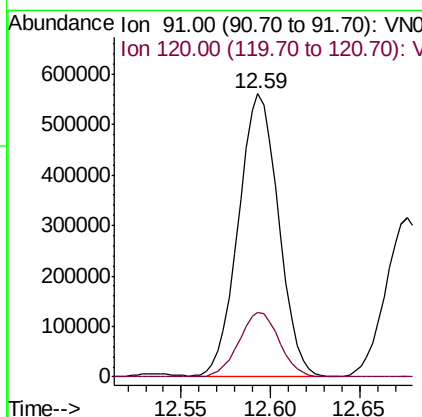
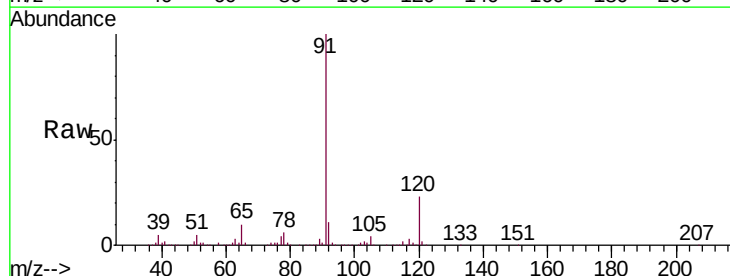
RT: 12.59 min Scan# 3422

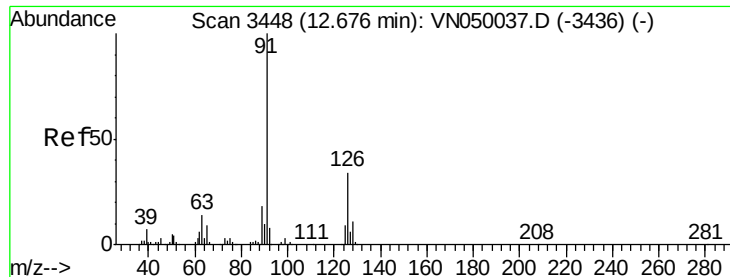
Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion:	91	Resp:	881417
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	46.4





#75

2-Chlorotoluene

Concen: 20.00 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 527363

Ion Ratio Lower Upper

91 100

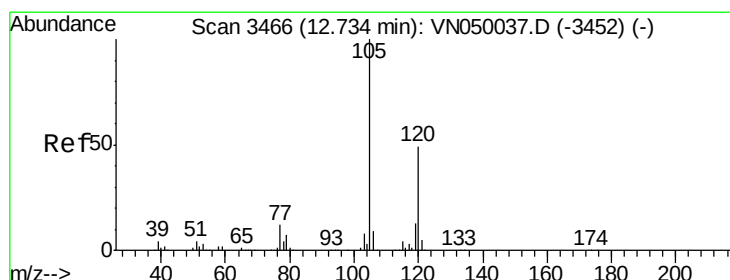
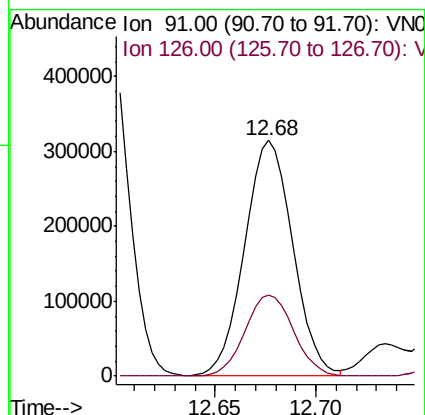
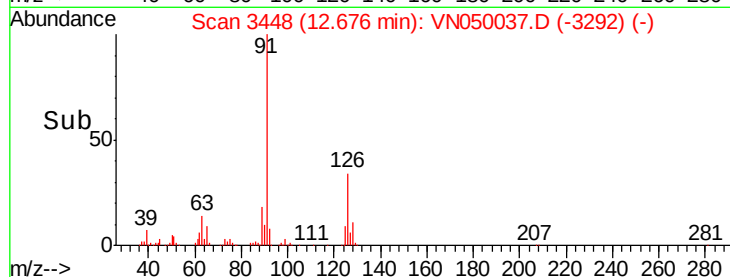
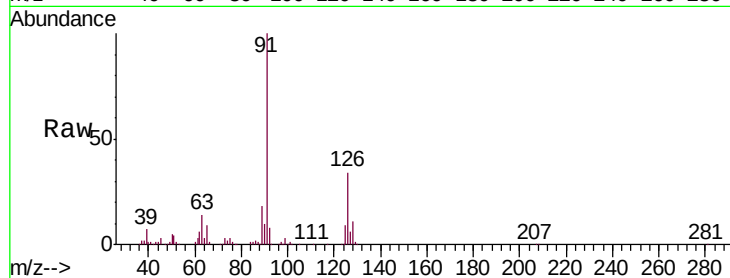
126 34.8 0.0 68.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.00 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050037.D

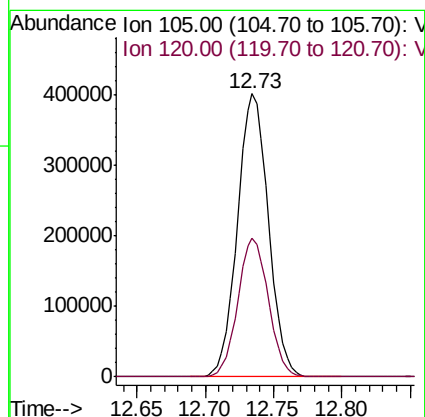
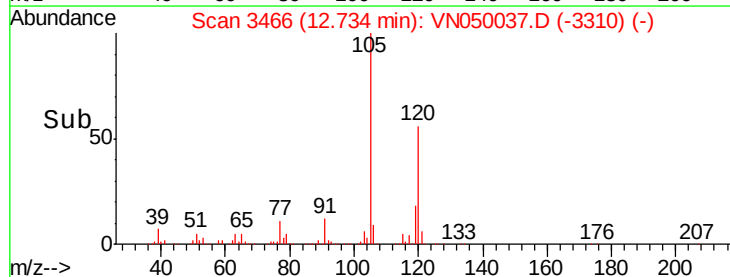
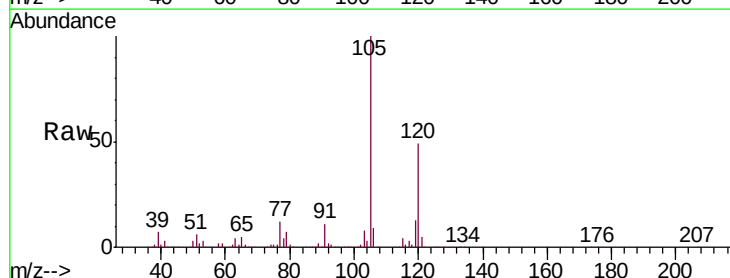
Acq: 25 Jul 2018 8:56

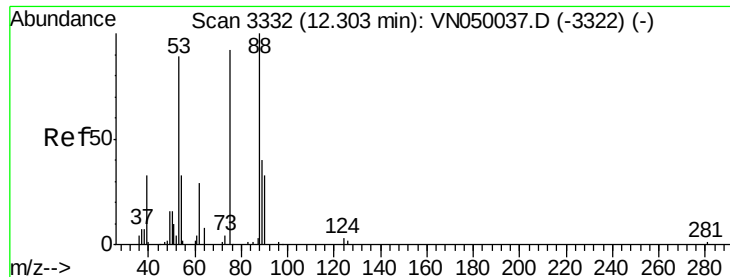
Tgt Ion: 105 Resp: 630767

Ion Ratio Lower Upper

105 100

120 48.3 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 20.00 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

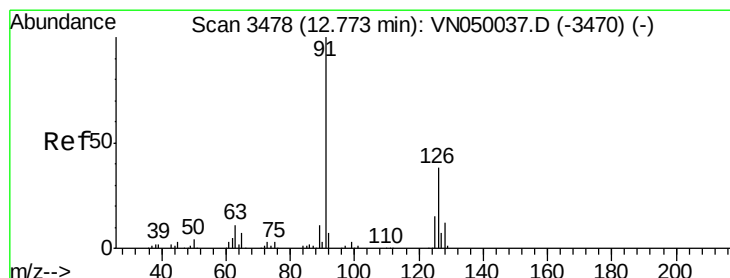
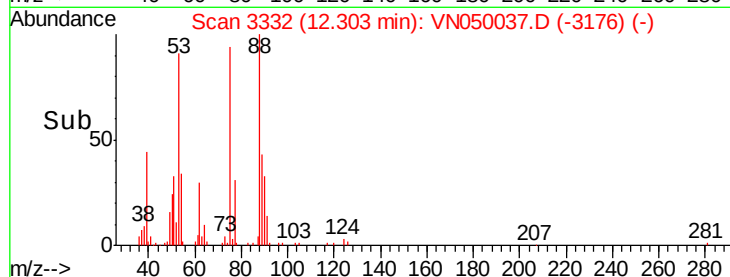
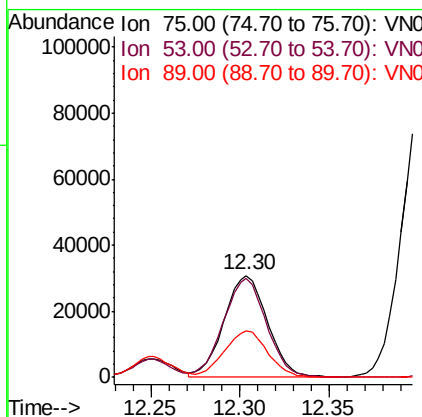
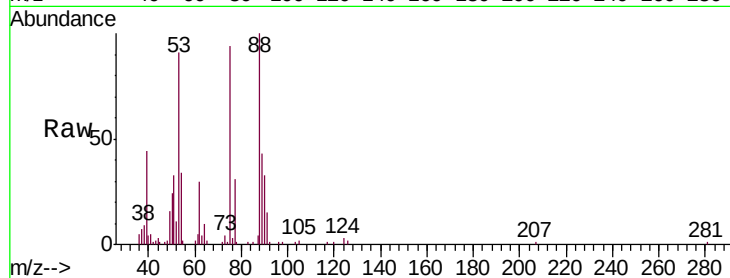
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	52299
Ion	Ratio	Lower	Upper
75	100		
53	96.5	44.6	134.0
89	45.4	20.7	62.1

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#78

4-Chlorotoluene

Concen: 20.00 ug/l

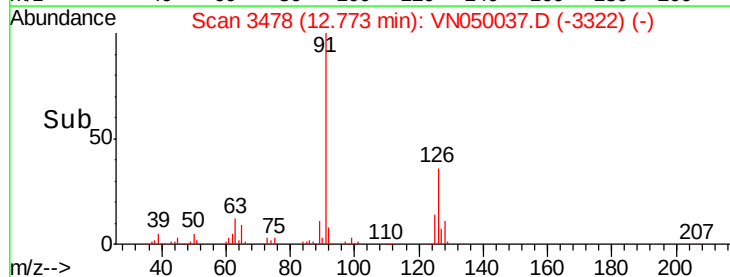
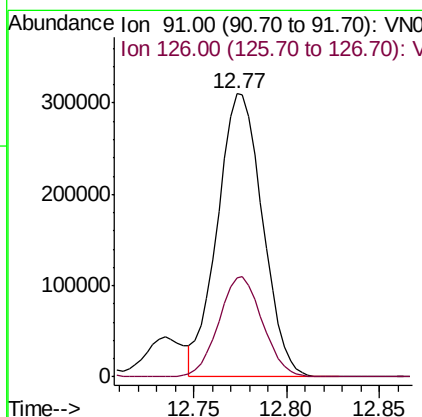
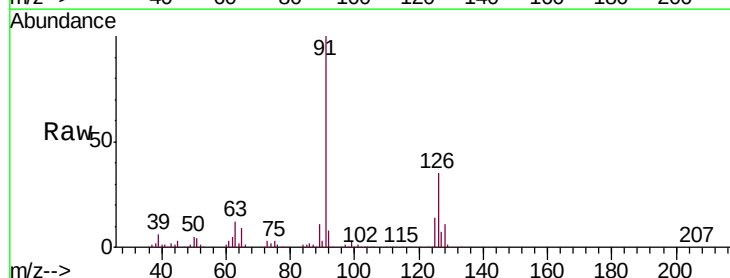
RT: 12.77 min Scan# 3478

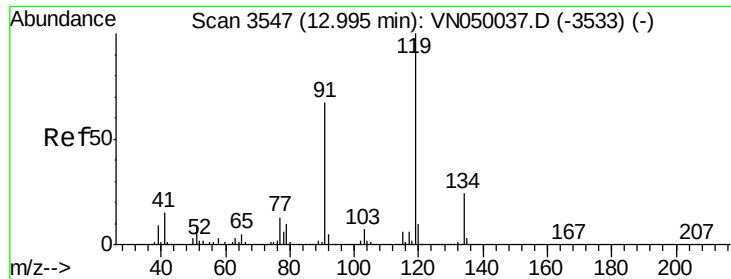
Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion:	91	Resp:	521712
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.4





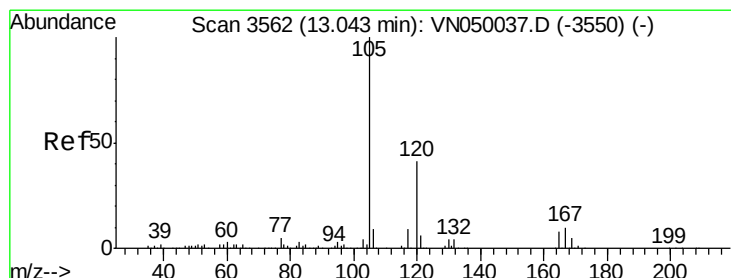
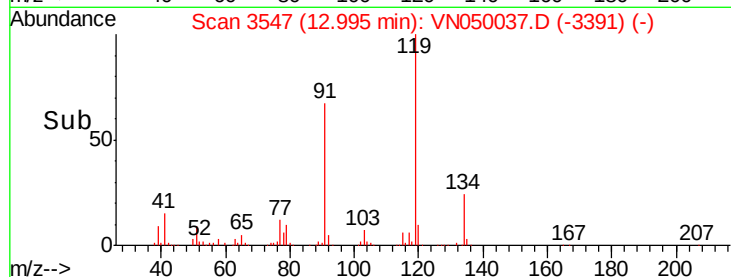
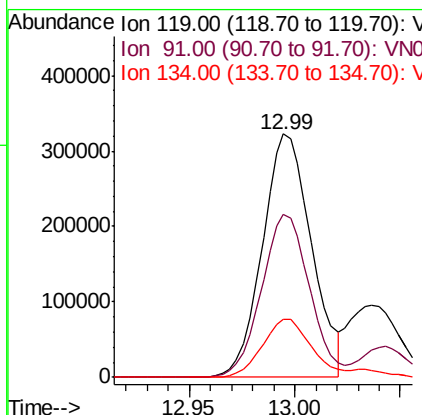
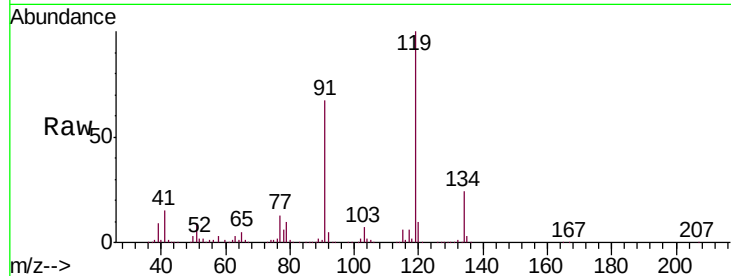
#79
tert-butylbenzene
Concen: 20.00 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	523112		
91	65.5	0.0	126.8	
134	23.8	0.0	47.4	

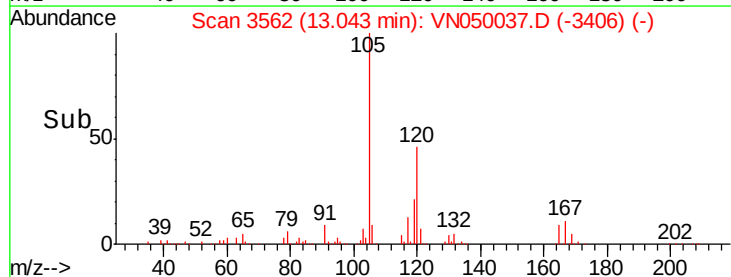
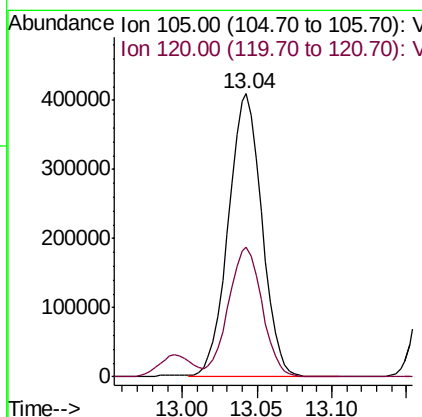
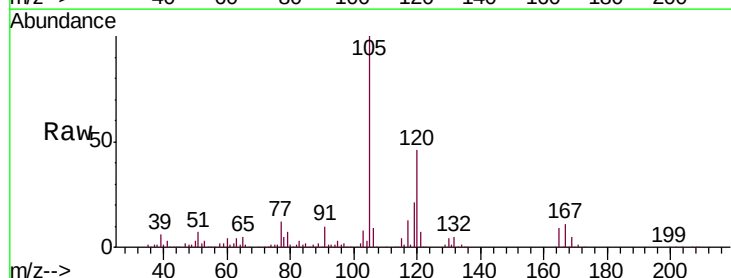
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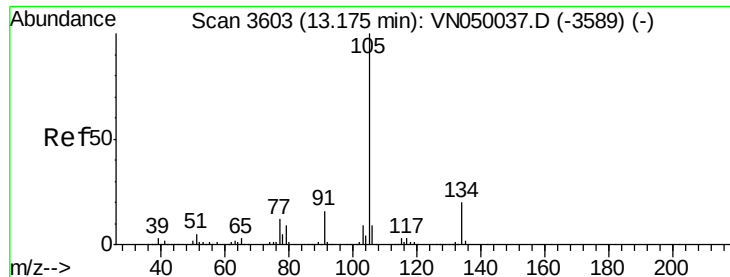
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#80
1,2,4-Trimethylbenzene
Concen: 20.00 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	639465		
120	46.0	0.0	90.6	





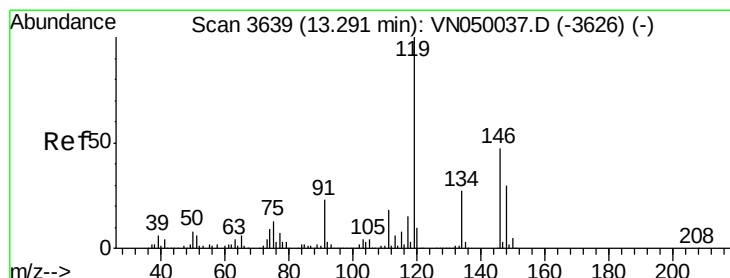
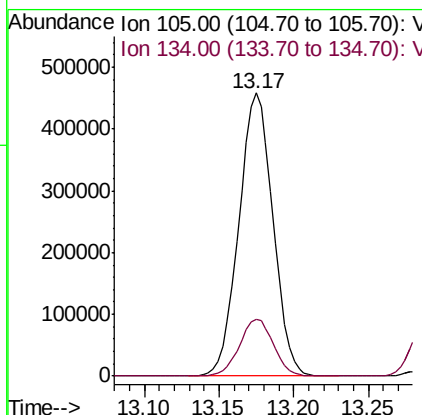
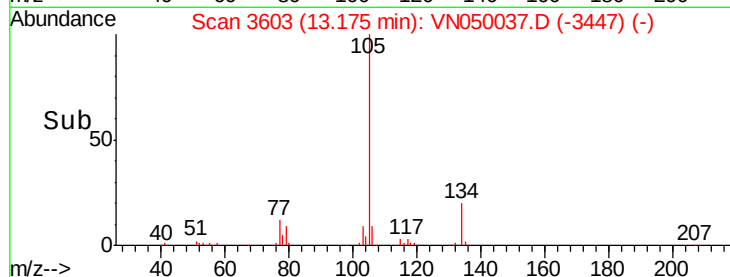
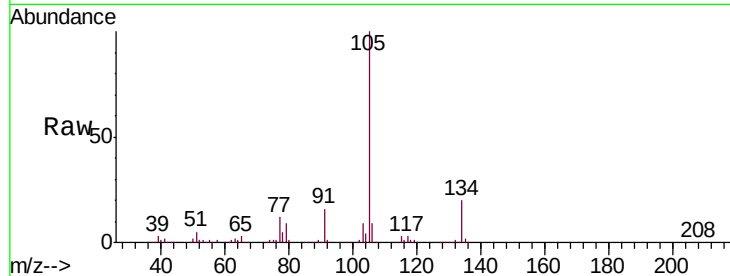
#81
 sec-Butylbenzene
 Concen: 20.00 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	40.6

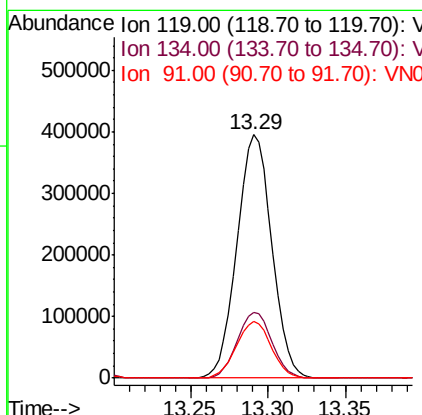
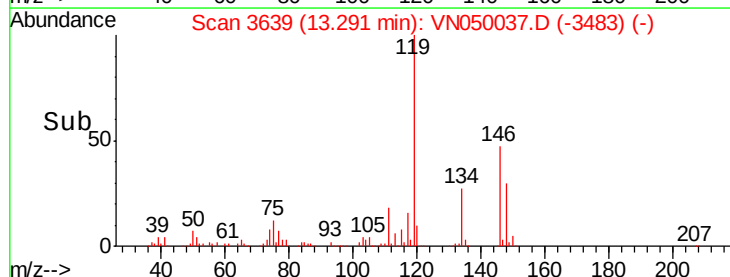
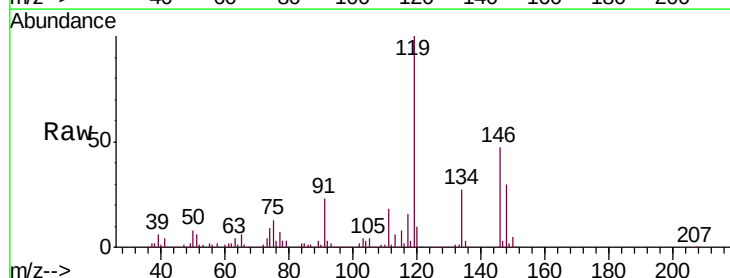
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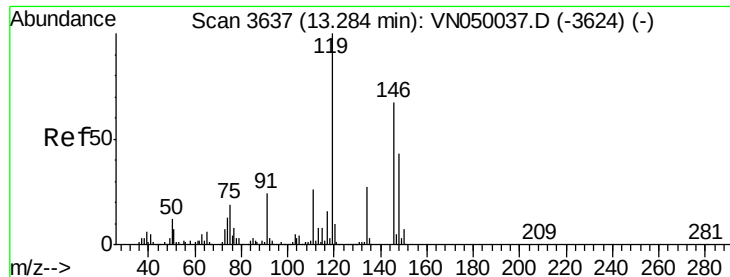
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#82
 p-Isopropyltoluene
 Concen: 20.00 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	52.2
91	23.4	0.0	45.6





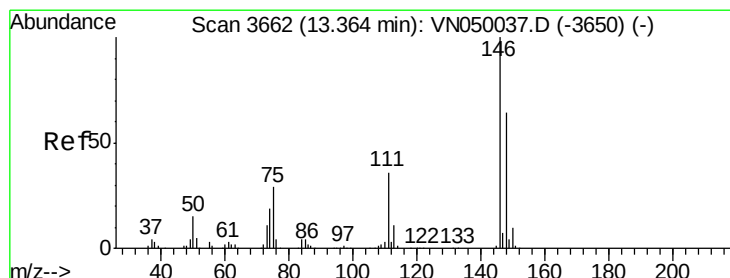
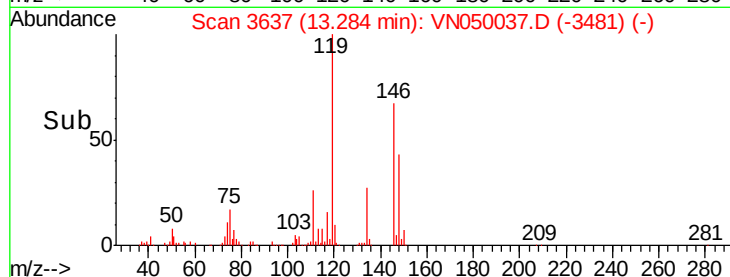
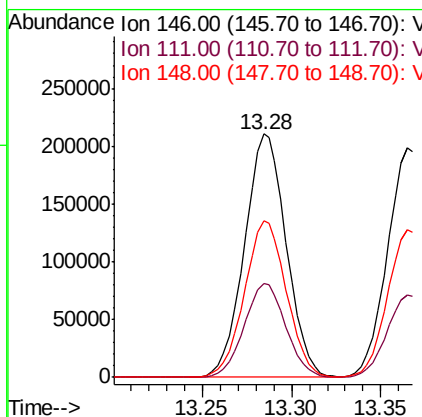
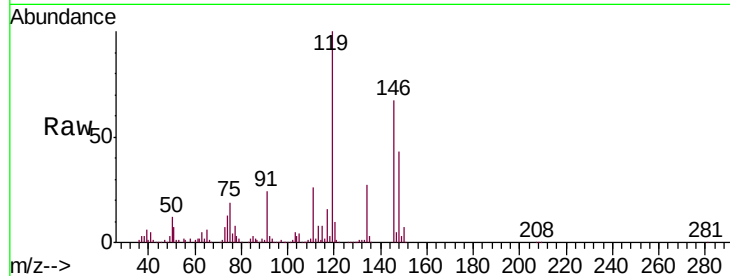
#83
 1,3-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.5	31.9	95.9

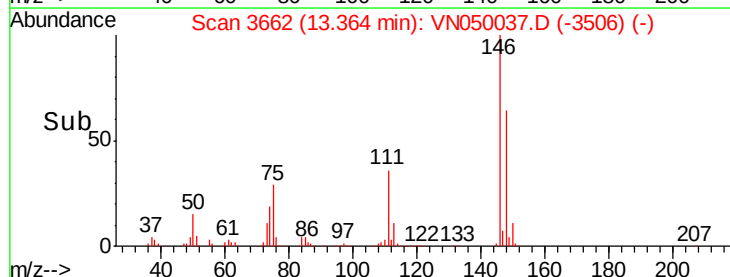
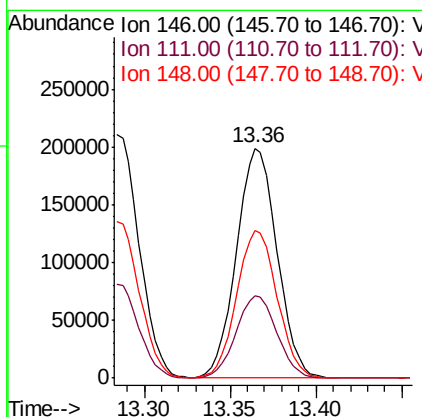
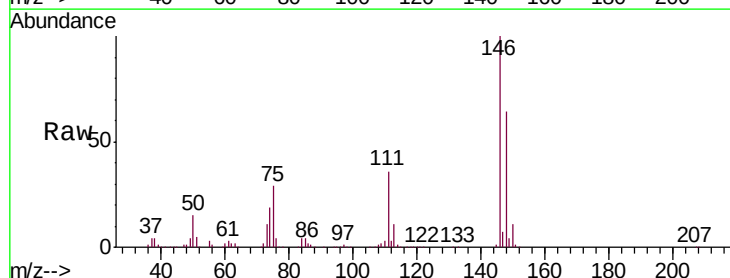
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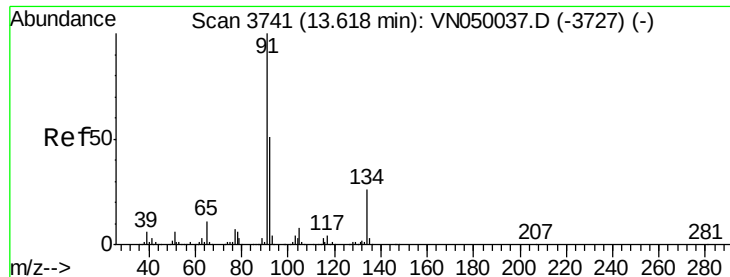
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#84
 1,4-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.9	53.8
148	64.4	32.4	97.0





#85

n-Butylbenzene

Concen: 20.00 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

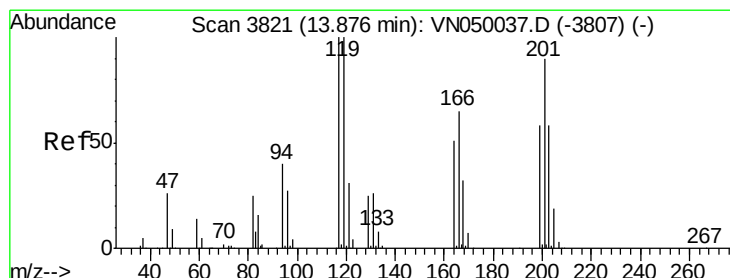
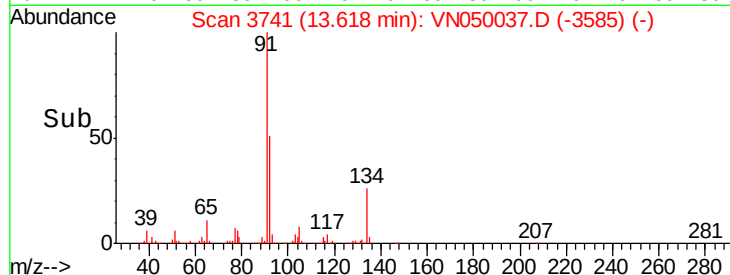
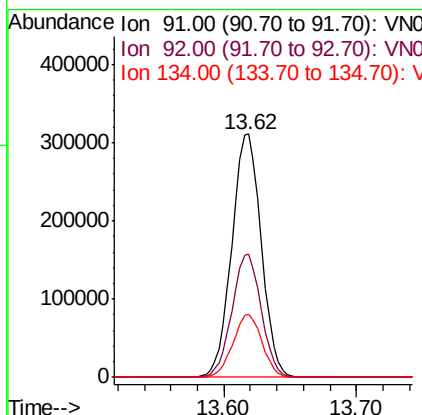
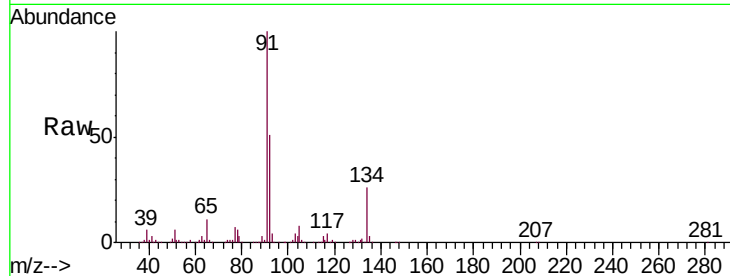
ClientSampleId :

VSTDICCC020

Tot Ion:	91	Resp:	479667
Ion	Ratio	Lower	Upper
91	100		
92	50.3	0.0	102.8
134	25.5	0.0	51.0

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#86

Hexachloroethane

Concen: 20.00 ug/l

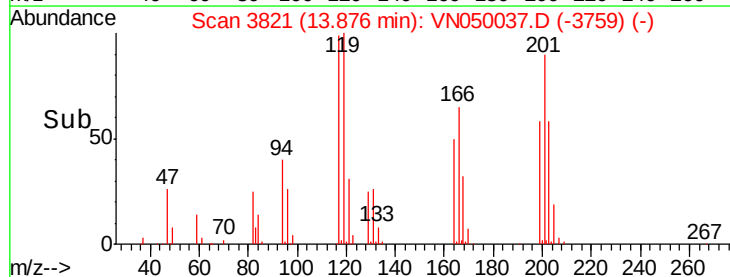
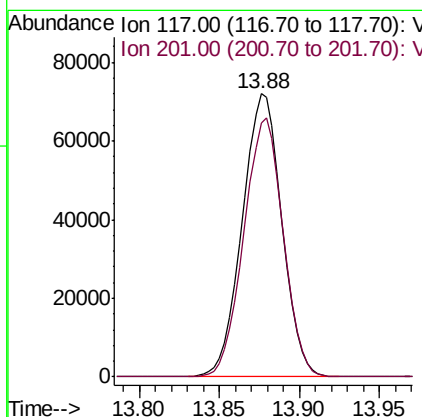
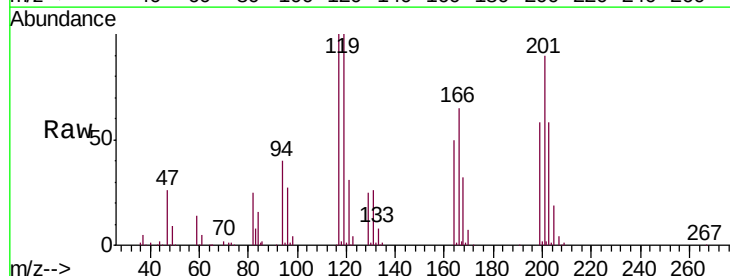
RT: 13.88 min Scan# 3821

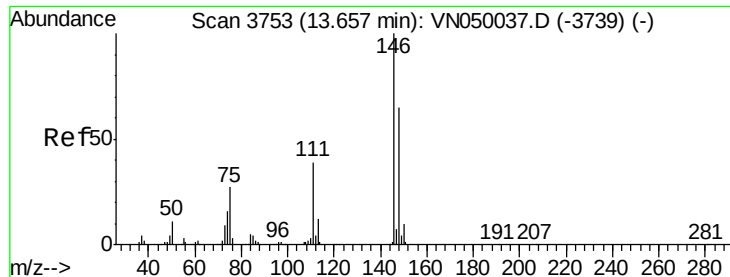
Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion:	117	Resp:	121445
Ion	Ratio	Lower	Upper
117	100		
201	90.8	46.6	139.7





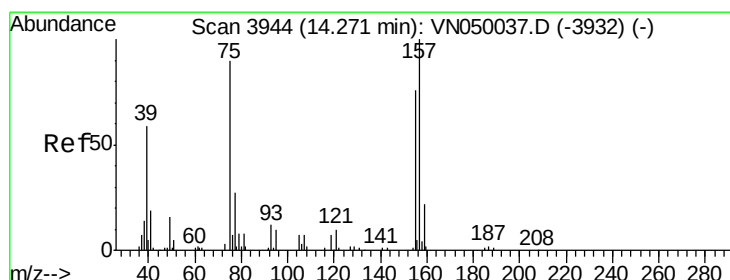
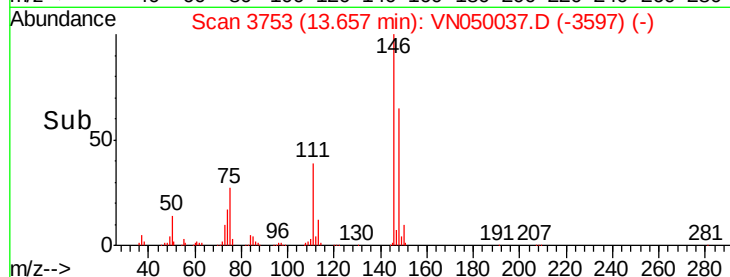
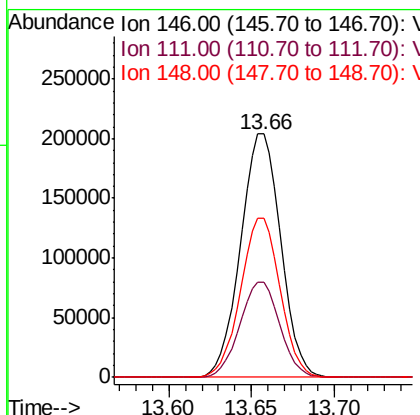
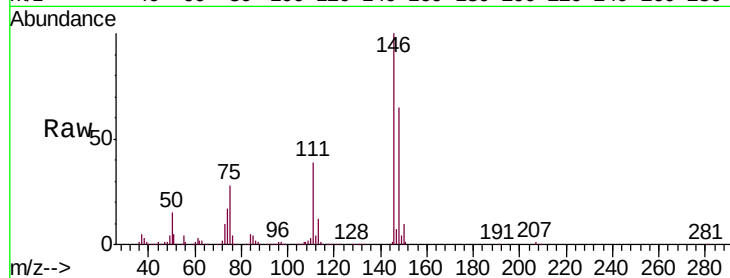
#87
 1,2-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.3
148	64.3	31.8	95.3

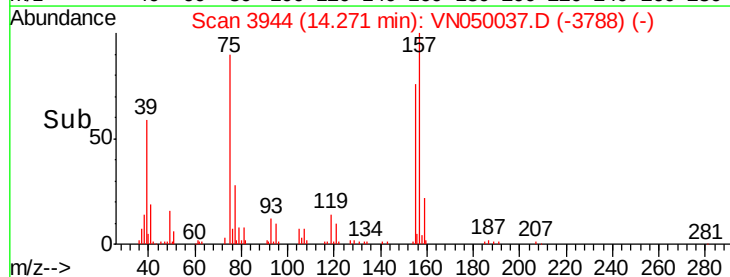
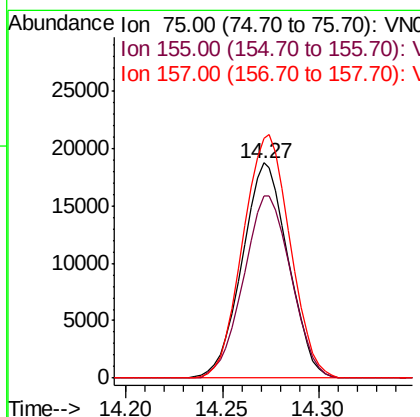
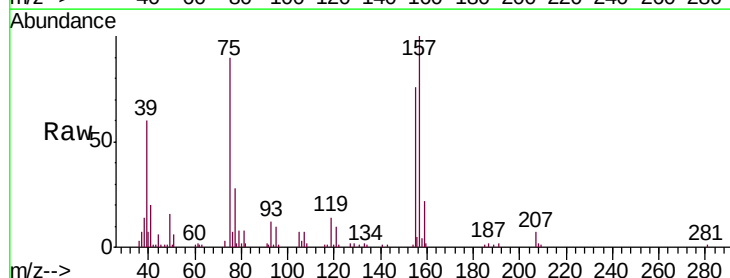
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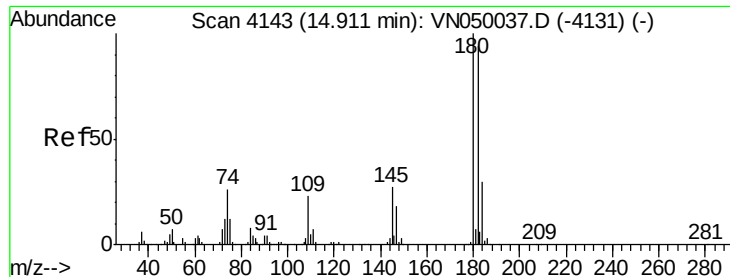
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.00 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	73.0	109.6
157	115.4	94.9	142.3





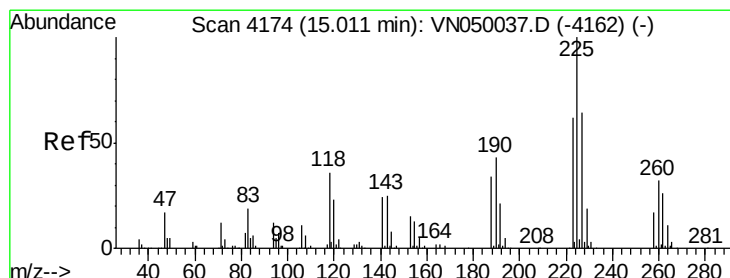
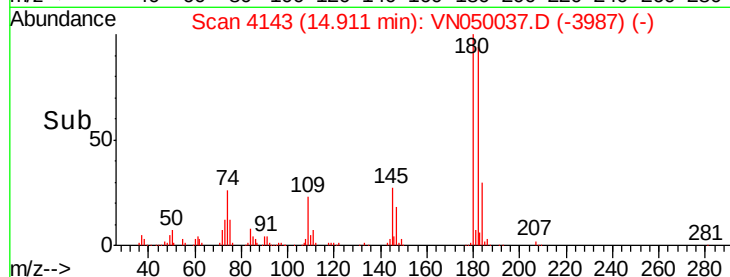
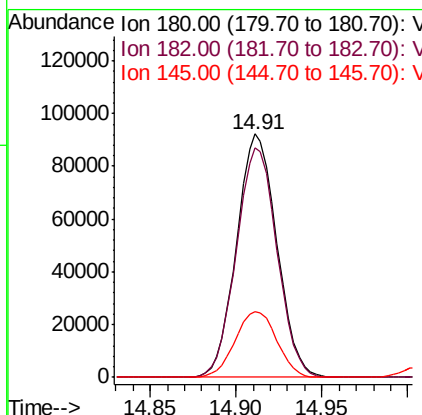
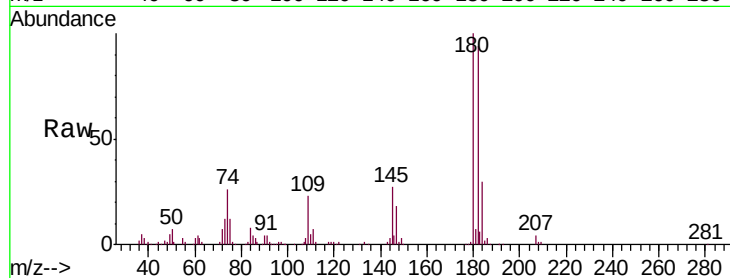
#89
1,2,4-Trichlorobenzene
Concen: 20.00 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149776		
182	95.3	76.7	115.1	
145	28.1	23.4	35.0	

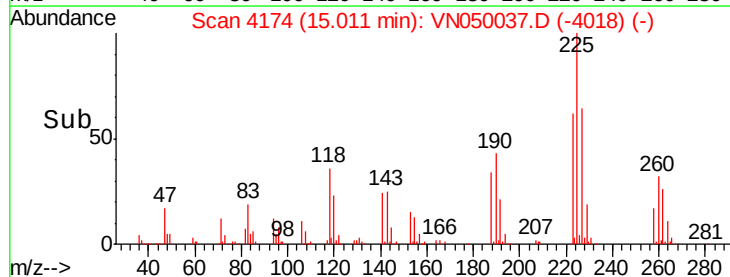
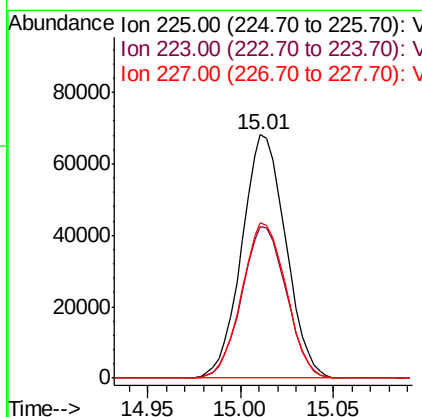
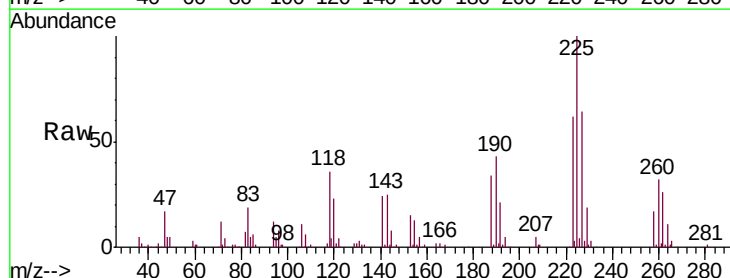
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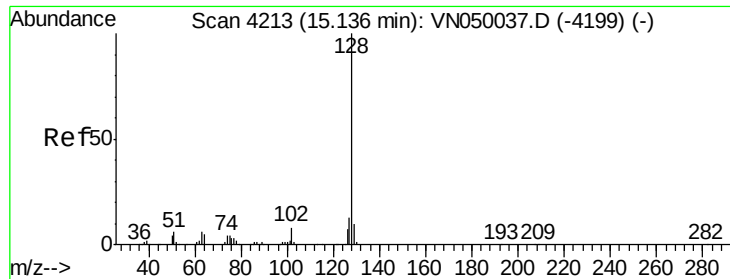
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#90
Hexachlorobutadiene
Concen: 20.00 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112092		
223	63.0	0.0	124.4	
227	64.2	0.0	133.0	





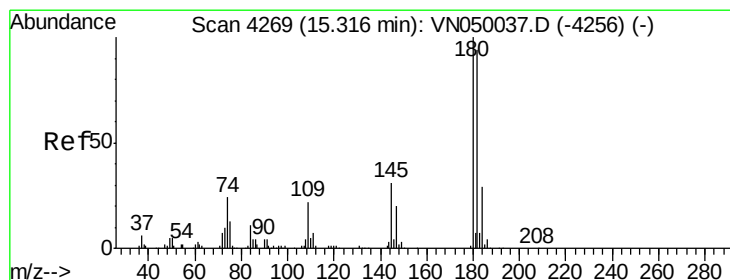
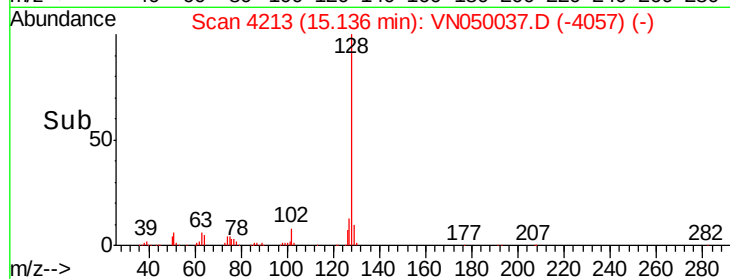
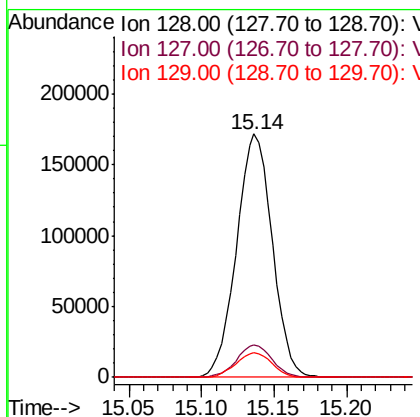
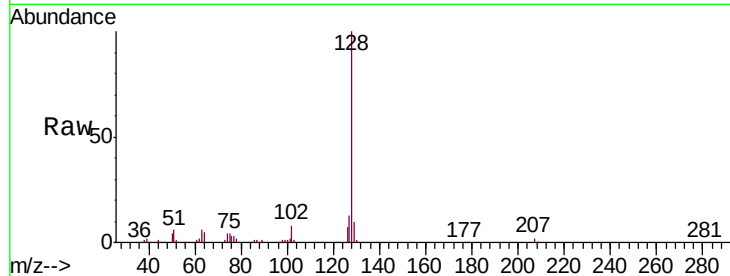
#91
Naphthalene
Concen: 20.00 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	294613		
127	13.3	10.2	15.4	
129	10.3	9.0	13.4	

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#92
1,2,3-Trichlorobenzene
Concen: 20.00 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	157478		
182	95.2	0.0	188.8	
145	30.9	0.0	60.8	

