

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054769.D
 Acq On : 29 Mar 2019 14:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:34 PM

Quant Time: Mar 30 03:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	455677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	719364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	291933	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	296401	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
35) Dibromofluoromethane	7.59	113	237766	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.09	98	888254	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	311039	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	222059	48.178	ug/l	100
3) Chloromethane	2.06	50	301136	47.251	ug/l	98
4) Vinyl Chloride	2.19	62	271716	47.477	ug/l	99
5) Bromomethane	2.57	94	156522	52.266	ug/l	95
6) Chloroethane	2.71	64	152907	47.847	ug/l	98
7) Trichlorofluoromethane	3.02	101	345159	49.055	ug/l	99
8) Diethyl Ether	3.41	74	112016	49.441	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.75	101	184097	49.702	ug/l	93
10) Methyl Iodide	3.94	142	252607	49.817	ug/l #	87
11) Tert butyl alcohol	4.82	59	86581	270.529	ug/l	99
12) 1,1-Dichloroethene	3.73	96	174637	48.755	ug/l #	72
13) Acrolein	3.61	56	78712	275.108	ug/l	97
14) Allyl chloride	4.32	41	440860	49.969	ug/l #	90
15) Acrylonitrile	4.99	53	461547	259.456	ug/l	100
16) Acetone	3.82	43	412535	281.631	ug/l #	83
17) Carbon Disulfide	4.04	76	573741	49.386	ug/l	99
18) Methyl Acetate	4.33	43	204254	53.601	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	638337	50.947	ug/l	96
20) Methylene Chloride	4.55	84	245573	47.528	ug/l #	81
21) trans-1,2-Dichloroethene	5.04	96	231561	49.218	ug/l	85
22) Diisopropyl ether	5.96	45	878294	50.333	ug/l #	94
23) Vinyl Acetate	5.90	43	3260616	268.510	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	460084	49.427	ug/l	97
25) 2-Butanone	6.85	43	621385	286.979	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	342917	52.561	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	262647	49.418	ug/l	86
28) Bromochloromethane	7.19	49	242495	52.099	ug/l #	70
29) Tetrahydrofuran	7.22	42	391859	260.565	ug/l #	84
30) Chloroform	7.37	83	441285	49.717	ug/l	100
31) Cyclohexane	7.65	56	449939	53.180	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	372116	50.589	ug/l	95
36) 1,1-Dichloropropene	7.79	75	341586	50.960	ug/l	96
37) Ethyl Acetate	6.94	43	258965	52.683	ug/l	95
38) Carbon Tetrachloride	7.77	117	325800	50.042	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	393211	53.358	ug/l	88
40) Benzene	8.04	78	995925	51.925	ug/l	99
41) Methacrylonitrile	7.17	41	148191	53.667	ug/l	90
42) 1,2-Dichloroethane	8.13	62	352633	51.491	ug/l	97
43) Isopropyl Acetate	8.17	43	447179	55.988	ug/l #	94
44) Trichloroethene	8.83	130	261641	52.550	ug/l	91
45) 1,2-Dichloropropane	9.12	63	280453	51.280	ug/l	97
46) Dibromomethane	9.21	93	157712	51.263	ug/l	89
47) Bromodichloromethane	9.40	83	338641	52.963	ug/l	98
48) Methyl methacrylate	9.20	41	232280	53.649	ug/l	87
49) 1,4-Dioxane	9.20	88	51865	1207.310	ug/l #	86
51) 4-Methyl-2-Pentanone	9.99	43	1255439	279.575	ug/l	93
52) Toluene	10.16	92	594708	52.108	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	333587	55.463	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	397724	55.357	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	220787	52.026	ug/l	96
56) Ethyl methacrylate	10.43	69	308607	55.436	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	390387	53.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	619250	257.895	ug/l	89
59) 2-Hexanone	10.75	43	828123	288.077	ug/l	91
60) Dibromochloromethane	10.90	129	238243	55.421	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216492	53.382	ug/l	99
64) Tetrachloroethene	10.63	164	250394	51.090	ug/l	97
65) Chlorobenzene	11.43	112	630126	50.391	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237004	50.637	ug/l	99
67) Ethyl Benzene	11.51	91	1159640	51.391	ug/l	98
68) m/p-Xylenes	11.62	106	868457	104.000	ug/l	94
69) o-Xylene	11.95	106	417990	51.046	ug/l	95
70) Styrene	11.96	104	703614	53.741	ug/l	97
71) Bromoform	12.13	173	150729	54.971	ug/l #	99
73) Isopropylbenzene	12.25	105	1112974	46.643	ug/l	98
74) N-amyl acetate	12.07	43	371648	49.994	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	274293	52.222	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	232621m	45.868	ug/l	
77) Bromobenzene	12.53	156	273555	47.502	ug/l	85
78) n-propylbenzene	12.59	91	1282356	48.896	ug/l	96
79) 2-Chlorotoluene	12.67	91	771676	47.560	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	936823	47.848	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	66875	51.291	ug/l	84
82) 4-Chlorotoluene	12.77	91	771622	48.962	ug/l	96
83) tert-Butylbenzene	12.99	119	791108	52.242	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	927773	49.739	ug/l	97
85) sec-Butylbenzene	13.17	105	1037062	48.759	ug/l	98
86) p-Isopropyltoluene	13.29	119	931504	49.656	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	479710	49.753	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	463422	49.005	ug/l	98
89) n-Butylbenzene	13.61	91	802962	52.463	ug/l	98
90) Hexachloroethane	13.87	117	152645	47.926	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	468455	48.142	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42837	52.514	ug/l	85

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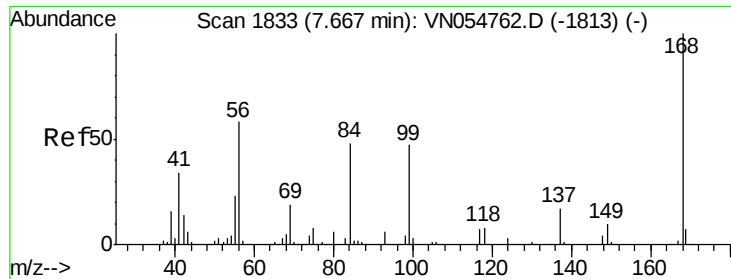
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	246203	52.482	ug/l	99
94) Hexachlorobutadiene	15.01	225	154681	55.924	ug/l	99
95) Naphthalene	15.13	128	534666	50.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	241905	51.059	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 455677

Ion Ratio Lower Upper

168 100

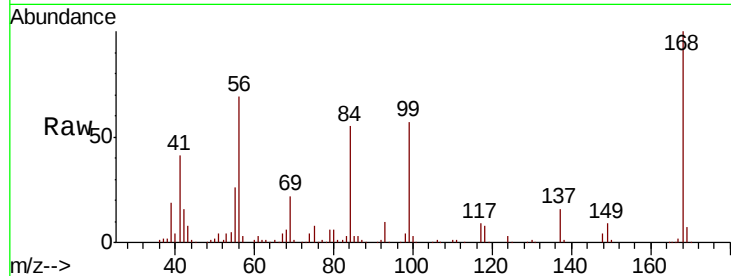
99 55.9 37.1 55.7#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

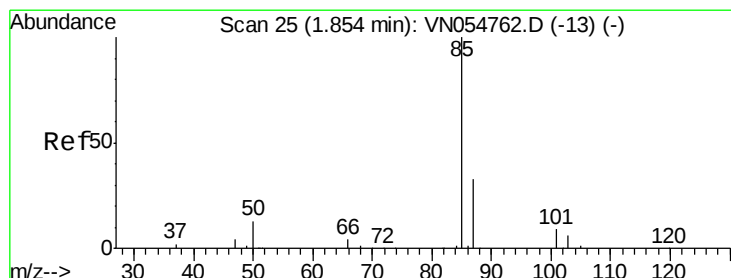
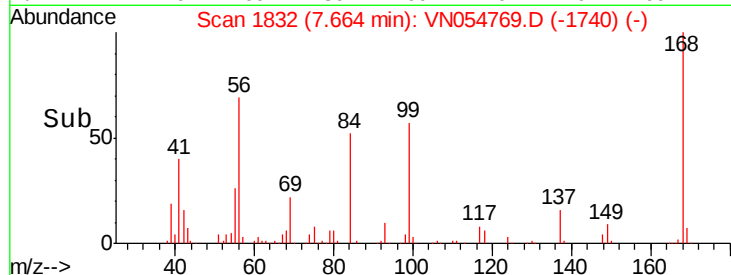
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.178 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054769.D

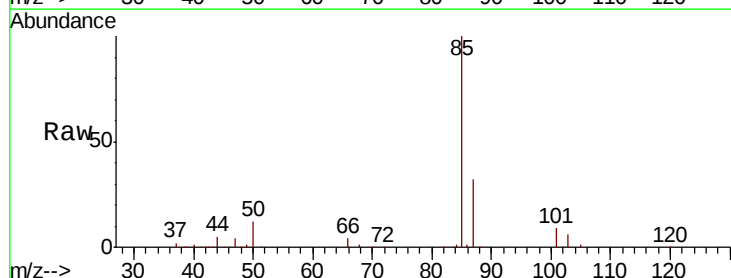
Acq: 29 Mar 2019 14:44

Tgt Ion: 85 Resp: 222059

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

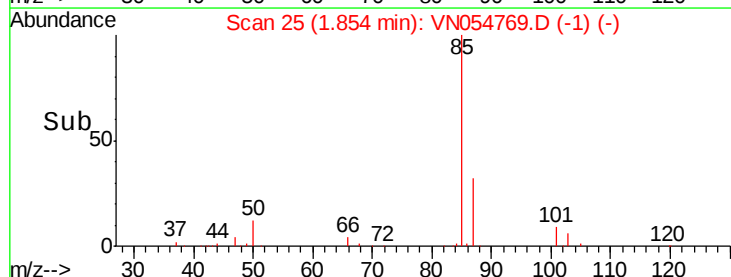
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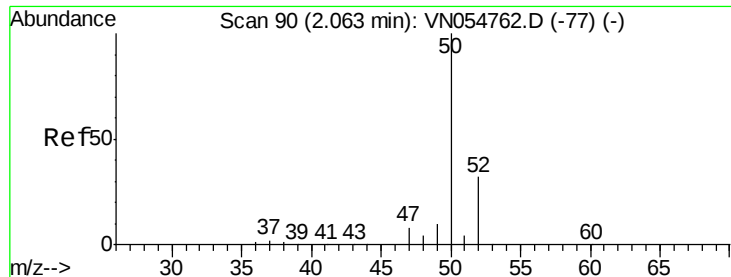
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50000

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Time-->





#3

Chloromethane

Concen: 47.251 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 301136

Ion Ratio Lower Upper

50 100

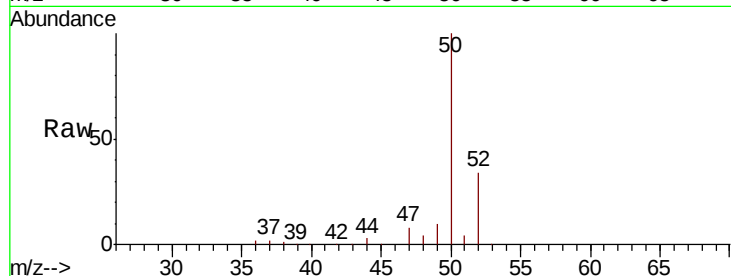
52 34.0 26.4 39.6

Manual Integrations

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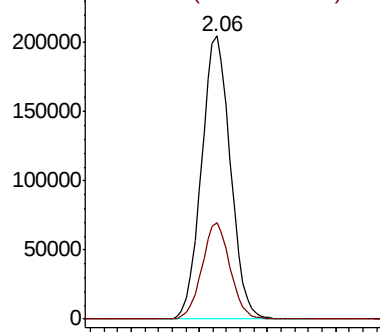
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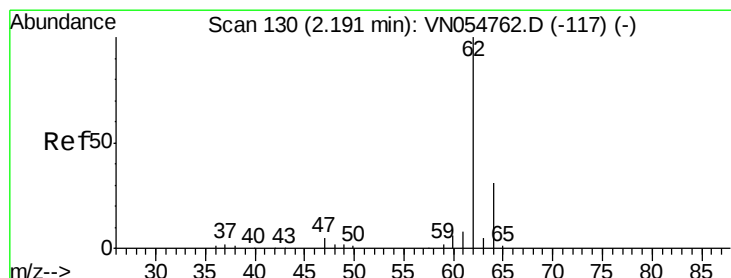
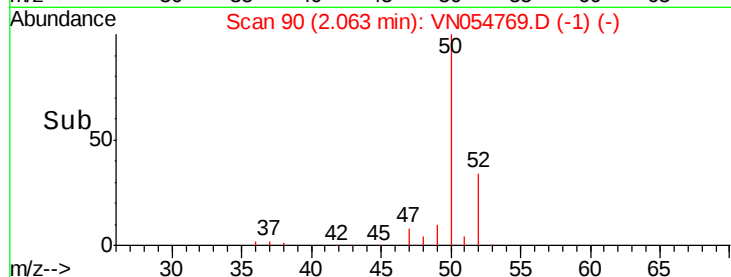


Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



Time-->



#4

Vinyl Chloride

Concen: 47.477 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054769.D

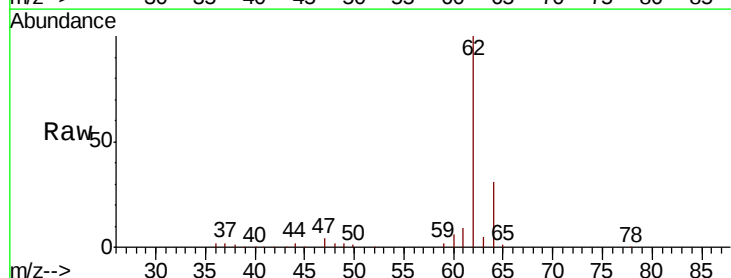
Acq: 29 Mar 2019 14:44

Tgt Ion: 62 Resp: 271716

Ion Ratio Lower Upper

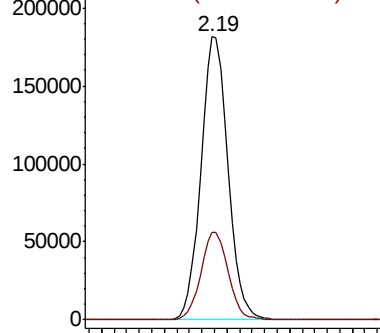
62 100

64 31.1 25.5 38.3

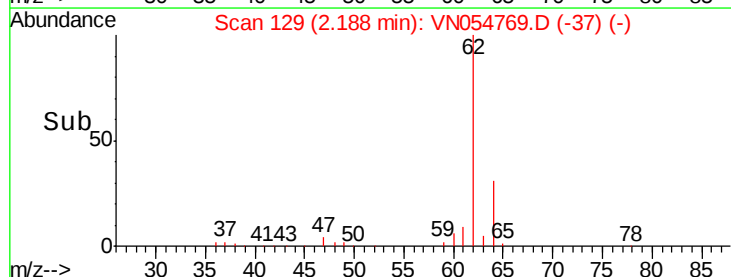


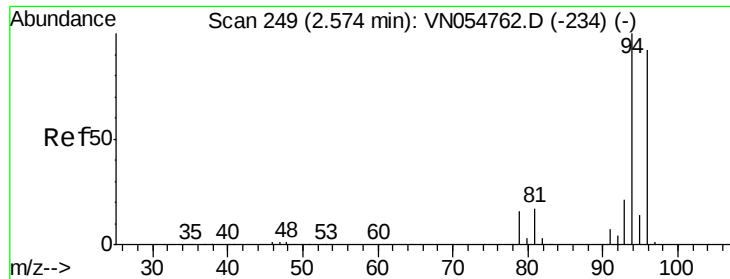
Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



Time-->





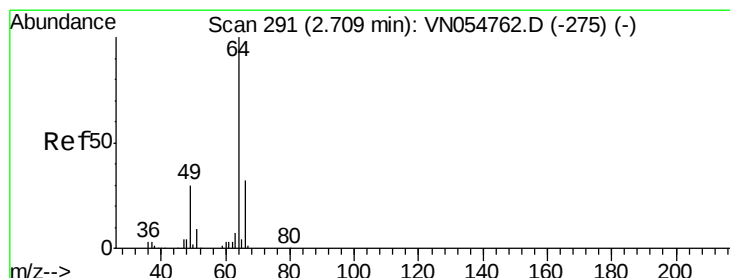
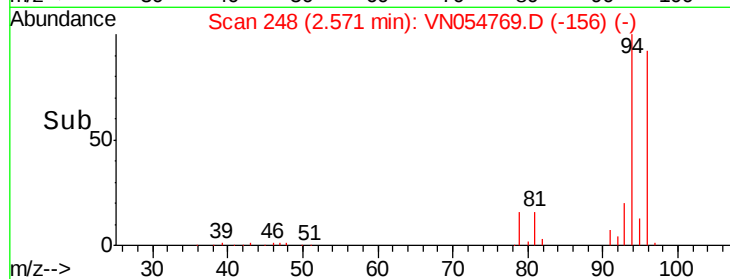
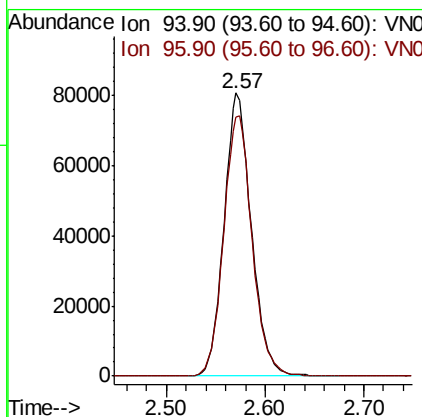
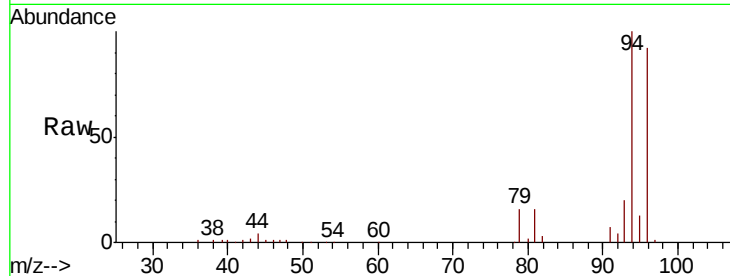
#5
Bromomethane
Concen: 52.266 ug/l
RT: 2.57 min Scan# 248
Delta R.T. -0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 156522
Ion Ratio Lower Upper
94 100
96 91.5 77.0 115.4

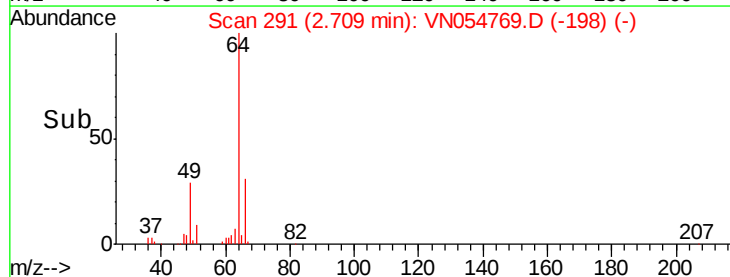
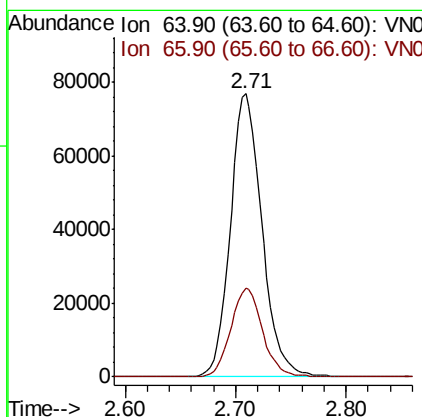
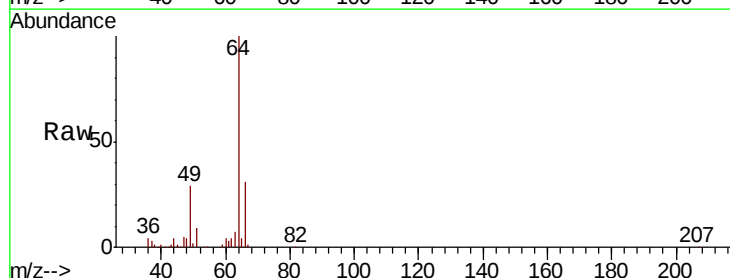
Manual Integrations
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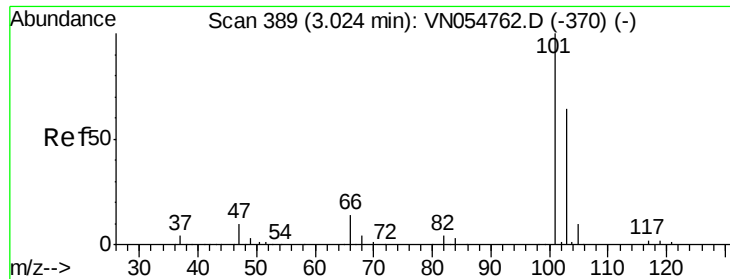
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#6
Chloroethane
Concen: 47.847 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion: 64 Resp: 152907
Ion Ratio Lower Upper
64 100
66 31.2 25.7 38.5





#7

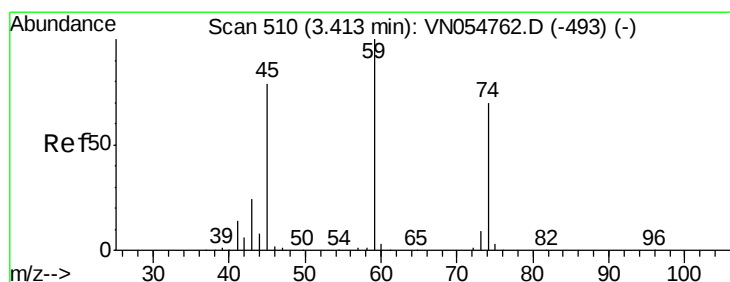
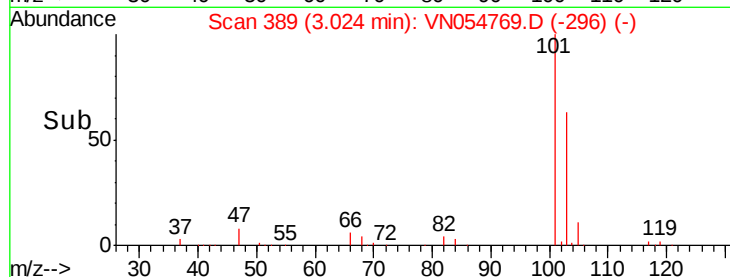
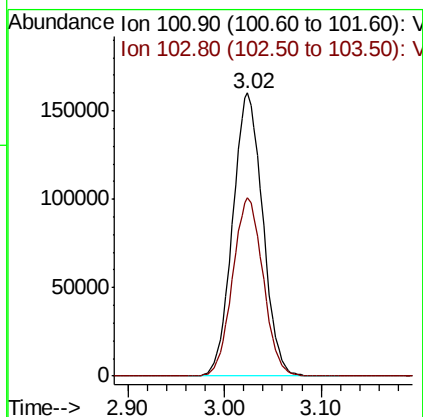
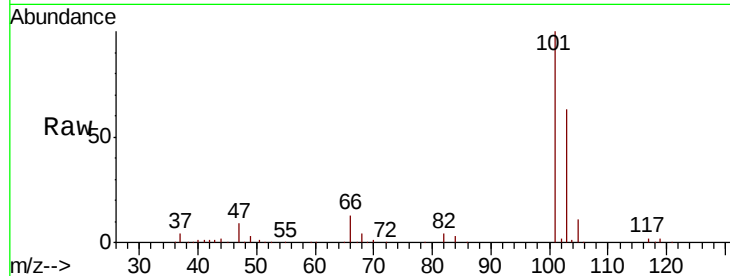
Trichlorofluoromethane
Concen: 49.055 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 345159
Ion Ratio Lower Upper
101 100
103 63.1 51.4 77.2

Manual Integrations
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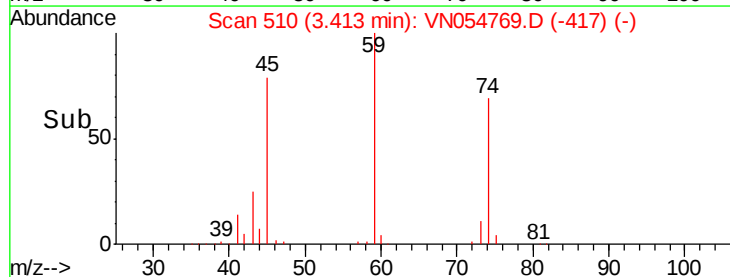
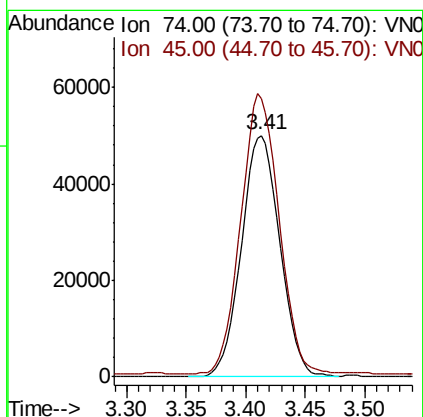
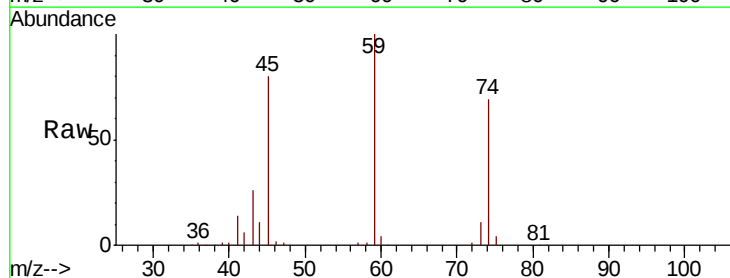
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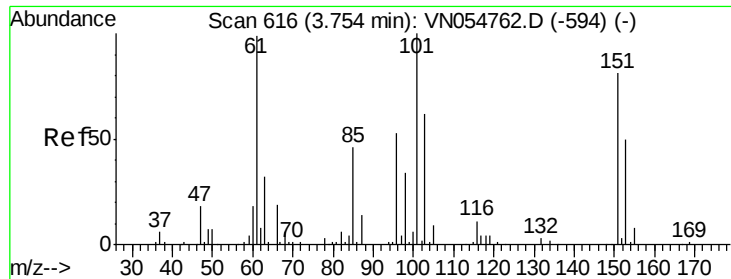


#8

Diethyl Ether
Concen: 49.441 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion: 74 Resp: 112016
Ion Ratio Lower Upper
74 100
45 115.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.702 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

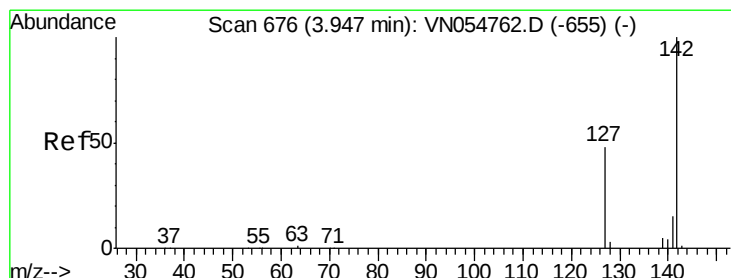
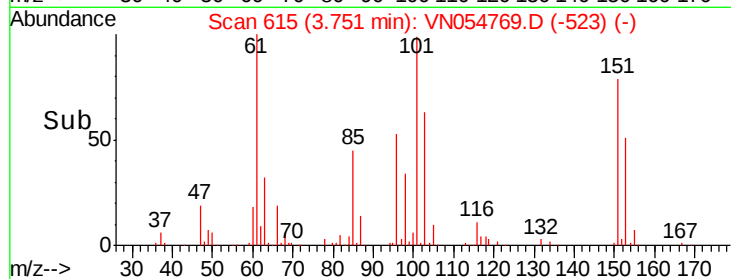
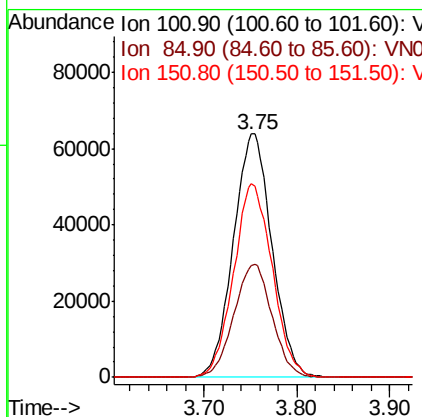
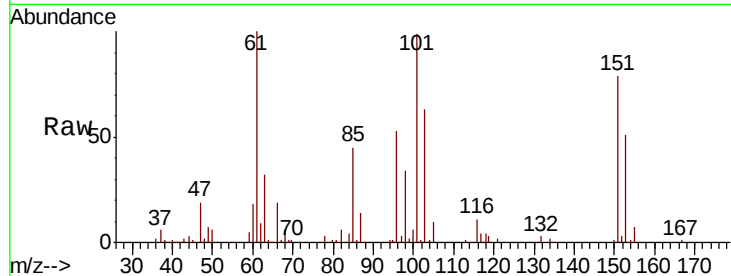
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	184097
Ion Ratio	Lower	Upper	
101	100		
85	46.1	32.4	48.6
151	79.6	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.817 ug/l

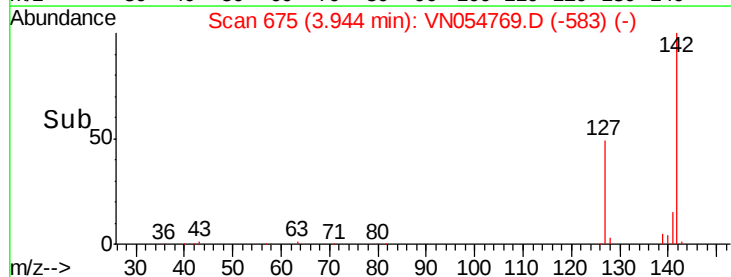
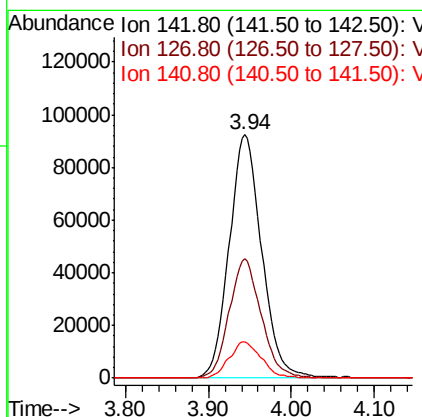
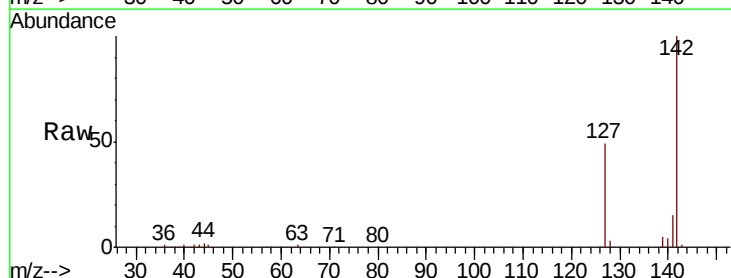
RT: 3.94 min Scan# 675

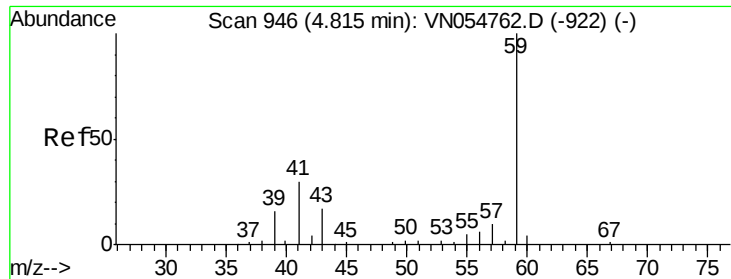
Delta R.T. -0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Tgt Ion:	142	Resp:	252607
Ion Ratio	Lower	Upper	
142	100		
127	48.2	30.3	45.5#
141	14.8	11.2	16.8





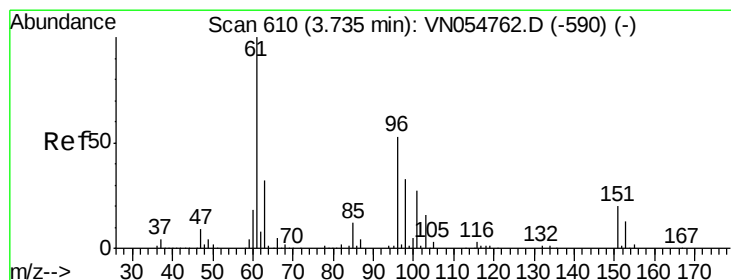
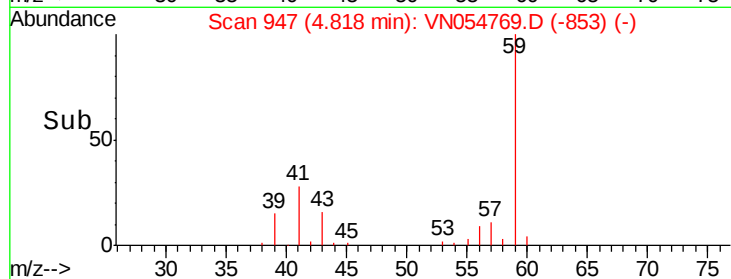
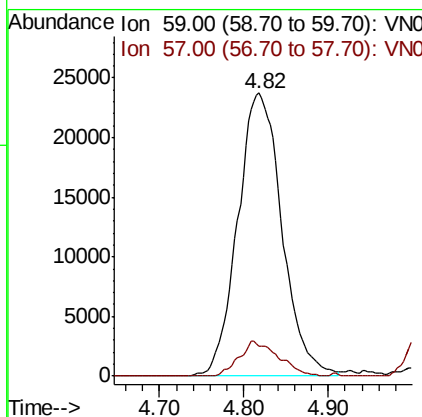
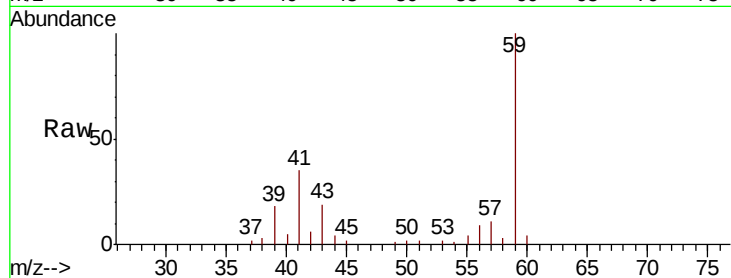
#11
Tert butyl alcohol
Concen: 270.529 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.6

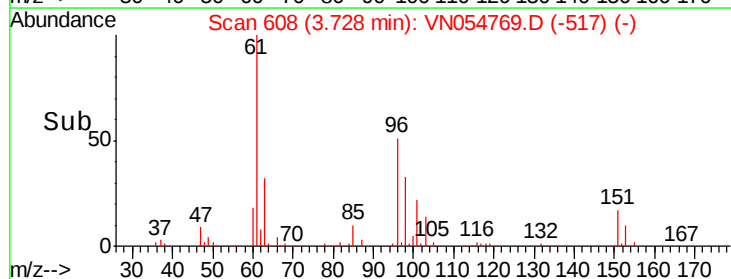
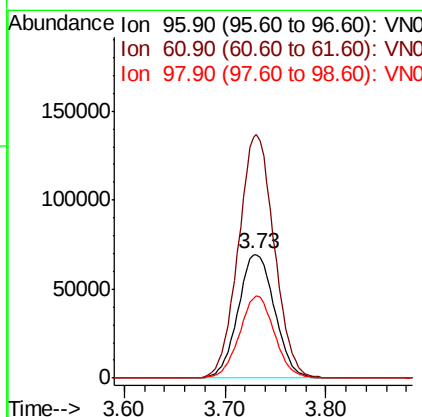
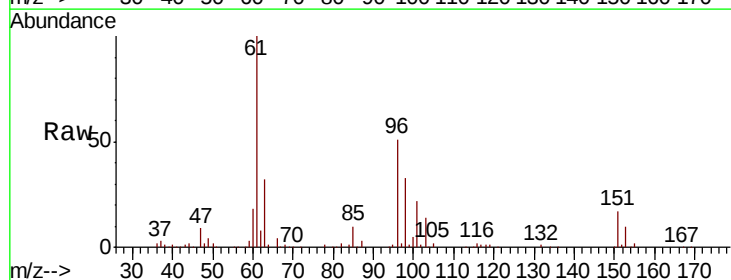
Manual Integrations
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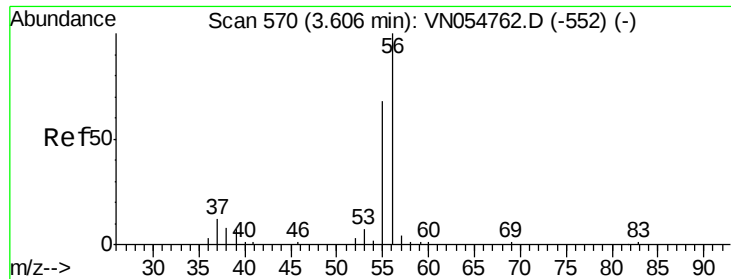
MMDadoda
4/1/2019 4:00:34 PM



#12
1,1-Dichloroethene
Concen: 48.755 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	195.0	116.5	174.7#
98	64.7	51.0	76.4





#13

Acrolein

Concen: 275.108 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 78712

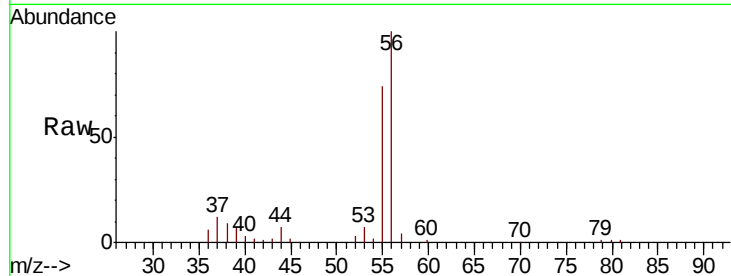
Ion Ratio Lower Upper

56 100

55 73.5 56.7 85.1

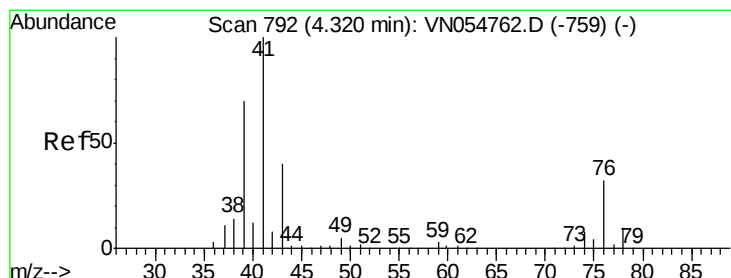
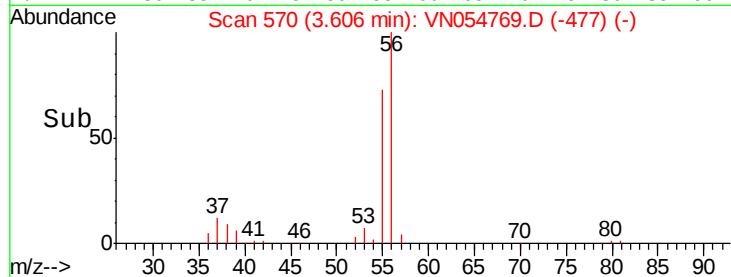
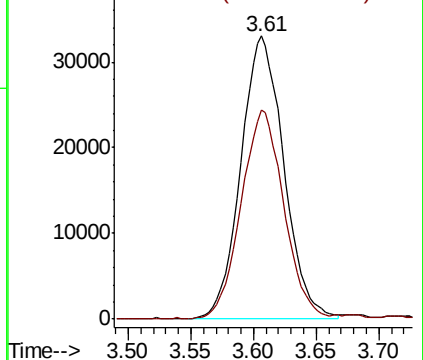
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.969 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

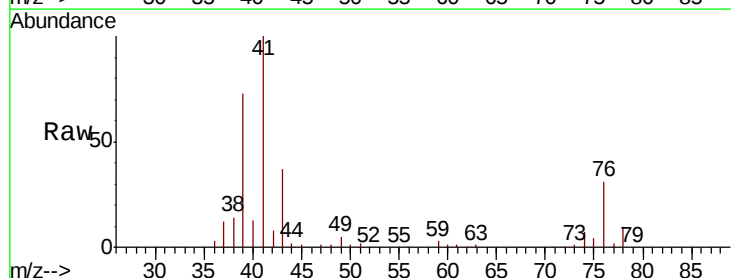
Tgt Ion: 41 Resp: 440860

Ion Ratio Lower Upper

41 100

39 68.2 58.2 87.4

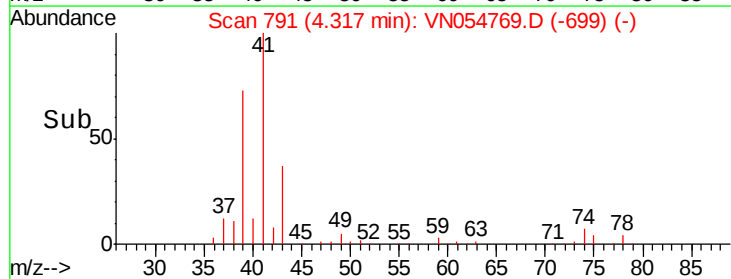
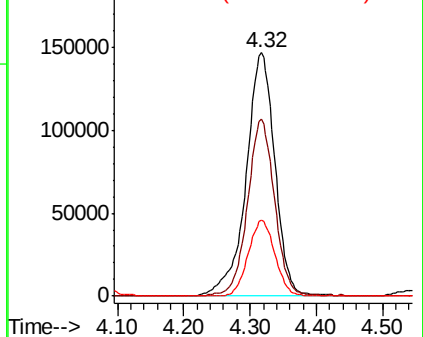
76 28.9 31.7 47.5#

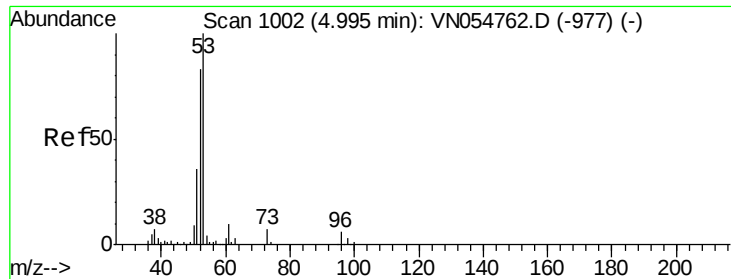


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 259.456 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

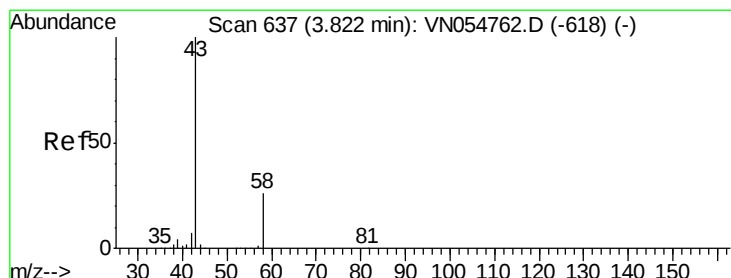
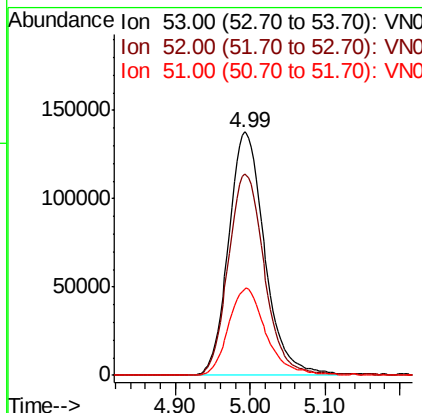
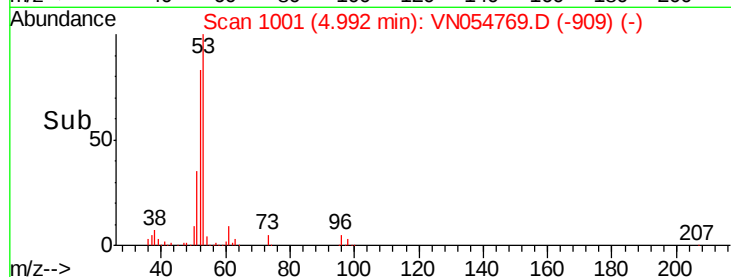
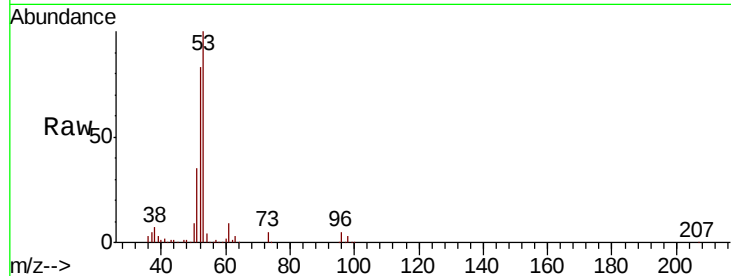
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	461547
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.4	99.6
51	37.3	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 281.631 ug/l

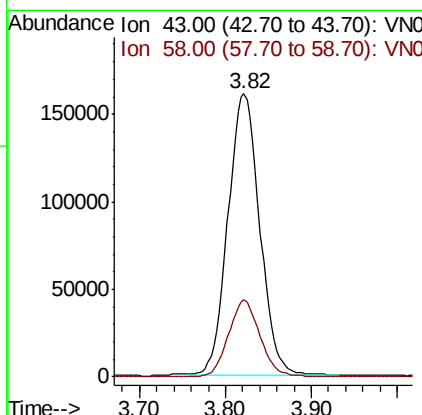
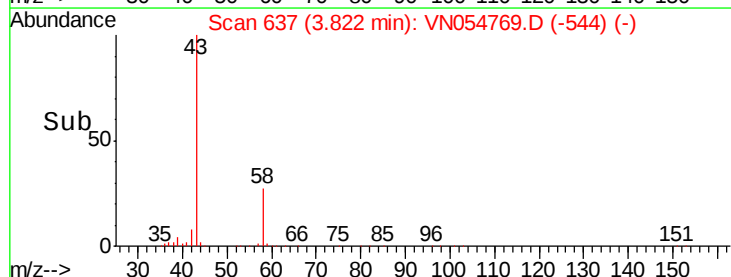
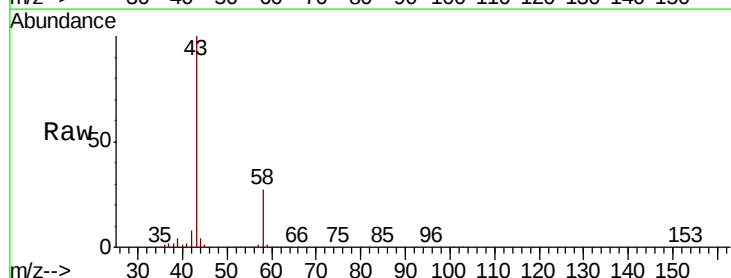
RT: 3.82 min Scan# 637

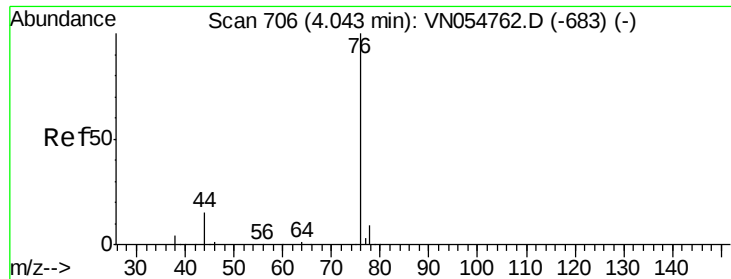
Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Tgt Ion:	43	Resp:	412535
Ion Ratio	Lower	Upper	
43	100		
58	27.4	29.9	44.9#





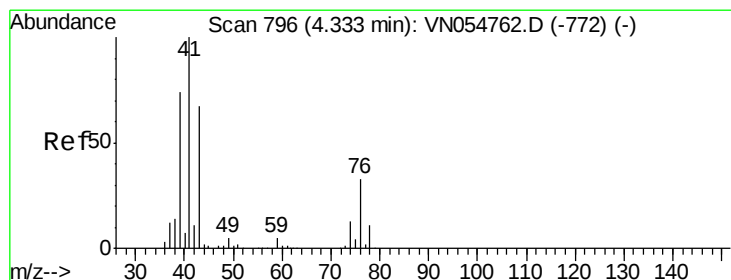
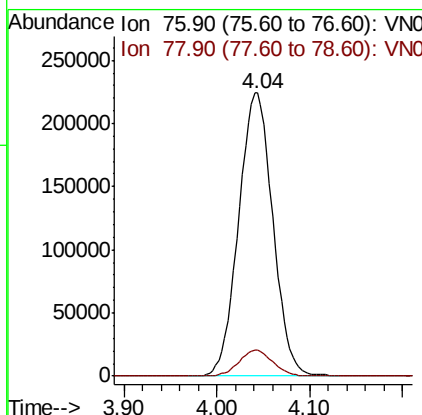
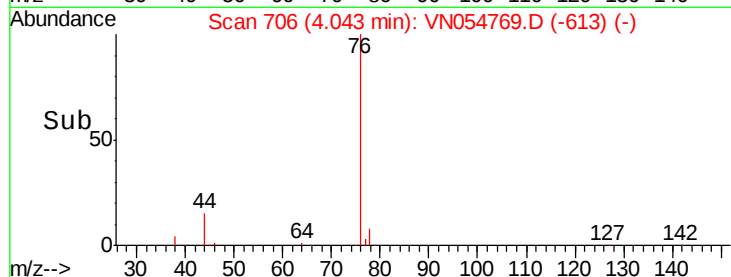
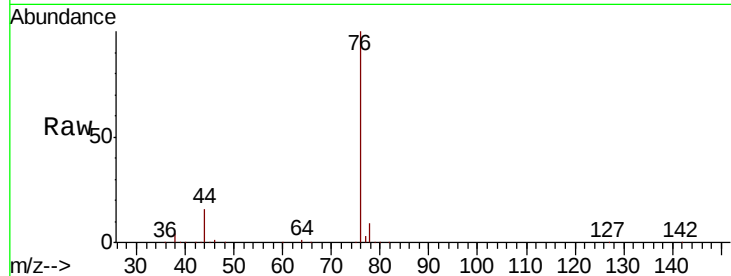
#17
Carbon Disulfide
Concen: 49.386 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

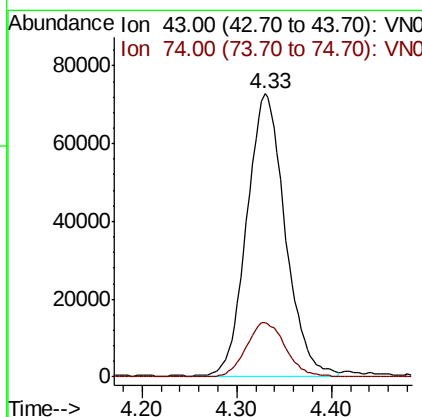
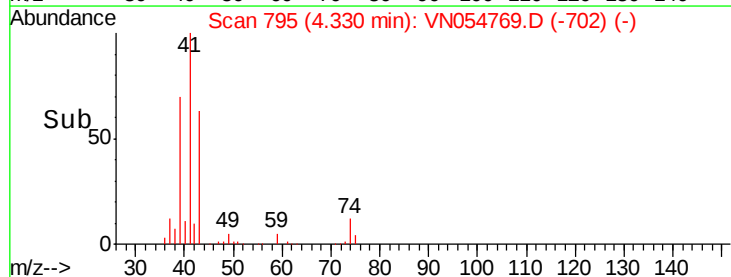
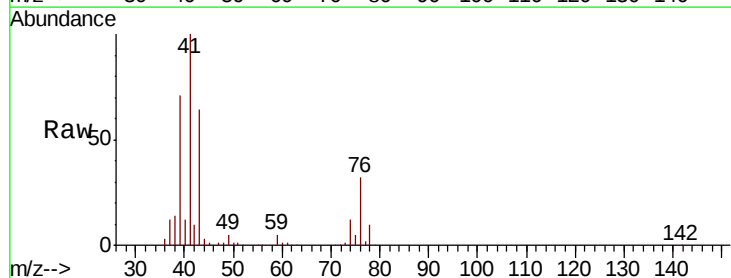
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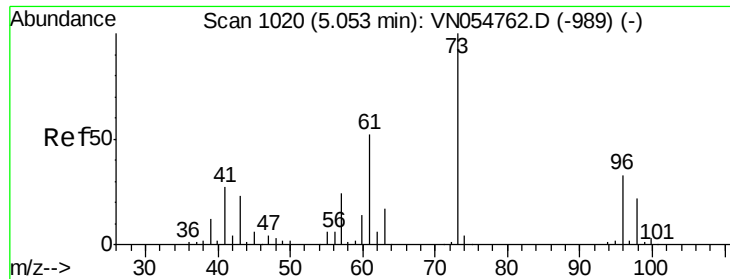
MMDadoda
4/1/2019 4:00:34 PM



#18
Methyl Acetate
Concen: 53.601 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	20.8	31.2#





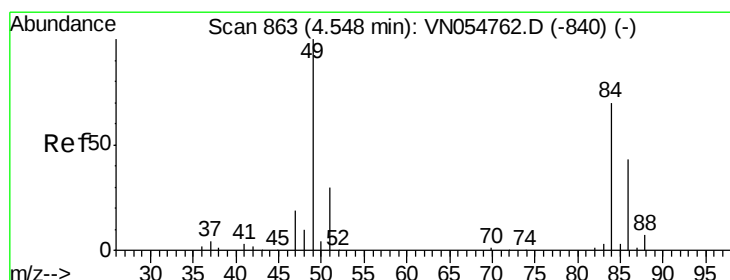
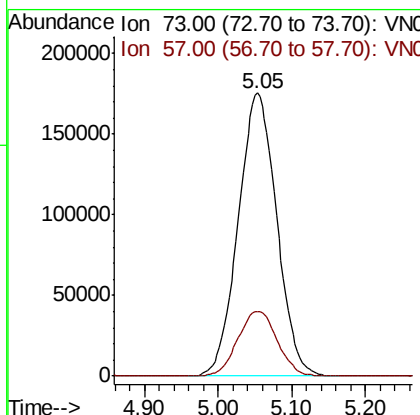
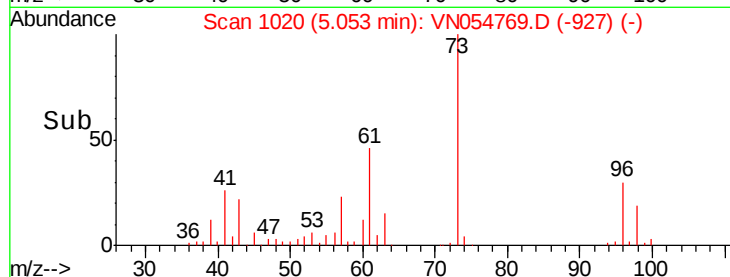
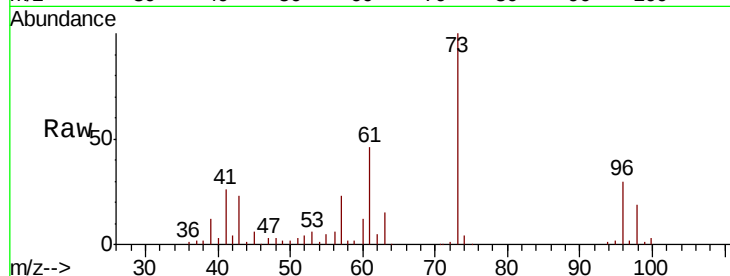
#19
Methvl tert-butvl Ether
Concen: 50.947 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 638337
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2

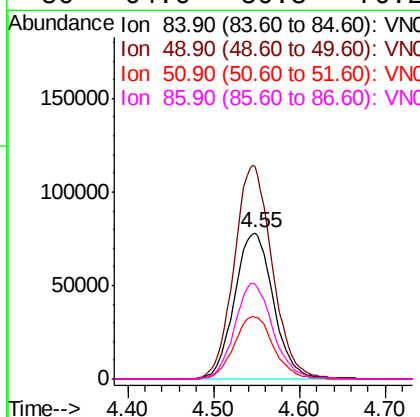
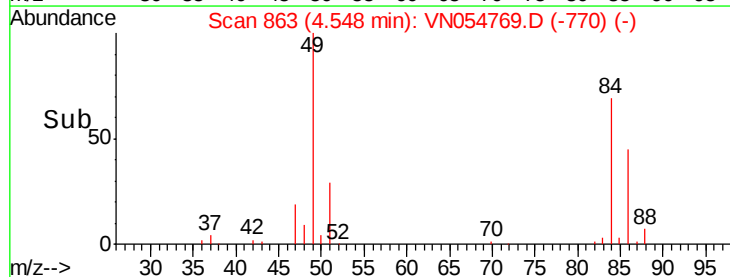
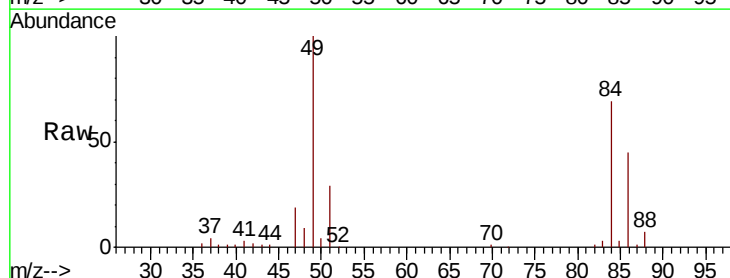
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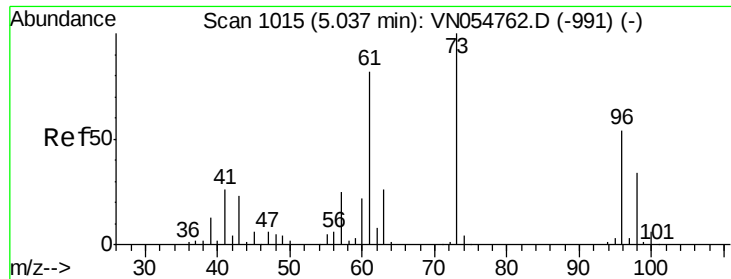
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4/1/2019 4:00:34 PM



#20
Methylene Chloride
Concen: 47.528 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion: 84 Resp: 245573
Ion Ratio Lower Upper
84 100
49 144.8 89.7 134.5#
51 42.2 28.2 42.4
86 64.6 50.8 76.2





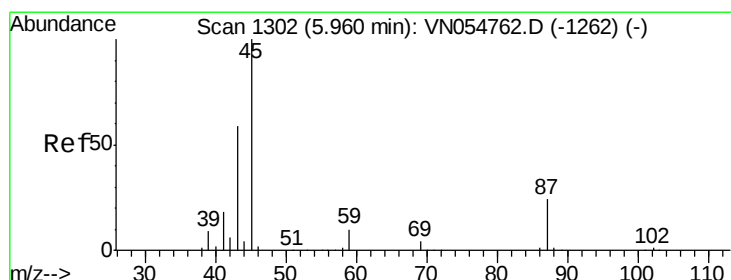
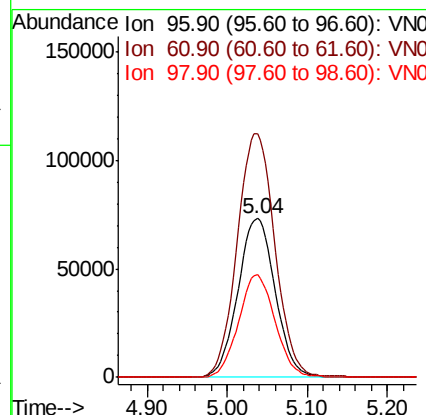
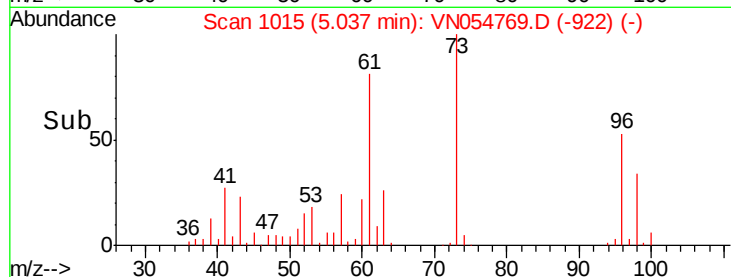
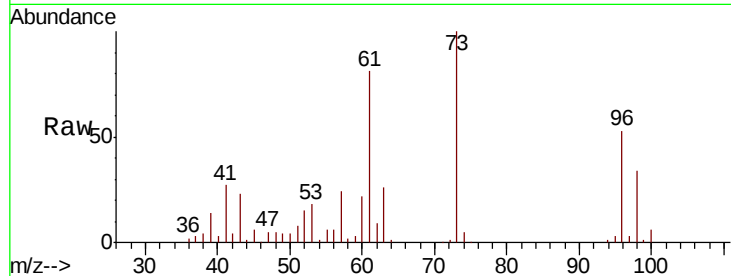
#21
trans-1,2-Dichloroethene
Concen: 49.218 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.9	102.8	154.2
98	64.3	50.0	75.0

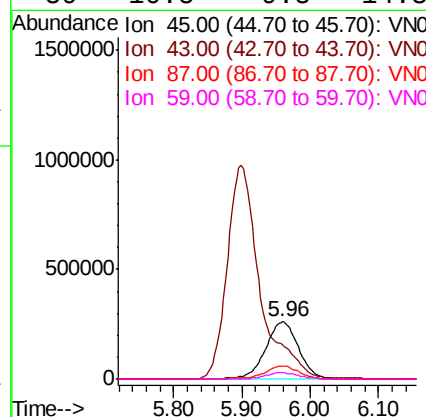
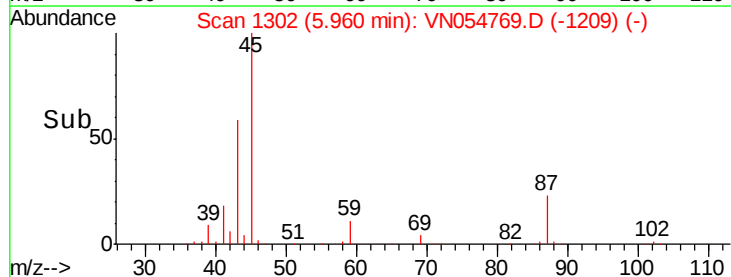
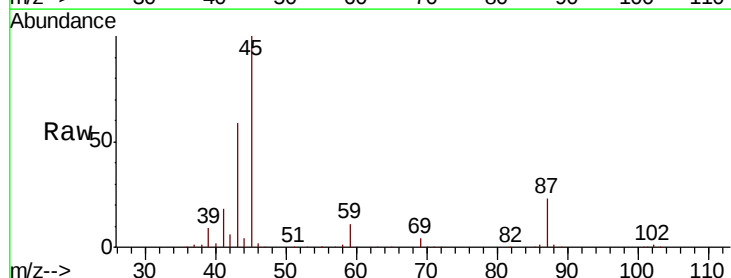
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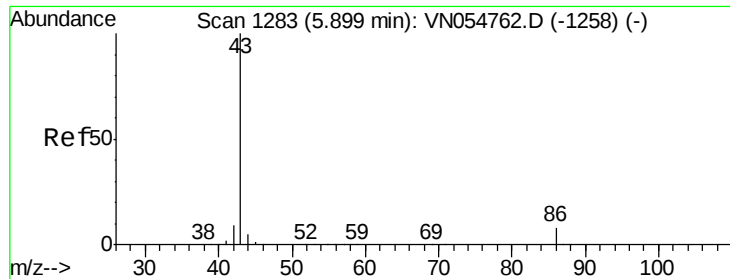
MMDadoda
4/1/2019 4:00:34 PM



#22
Diisopropyl ether
Concen: 50.333 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	48.2	72.2
87	22.8	24.9	37.3
59	10.5	9.5	14.3





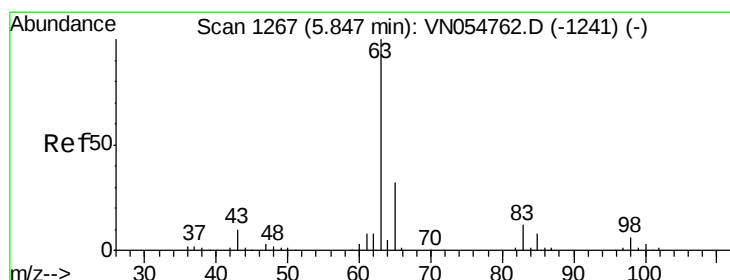
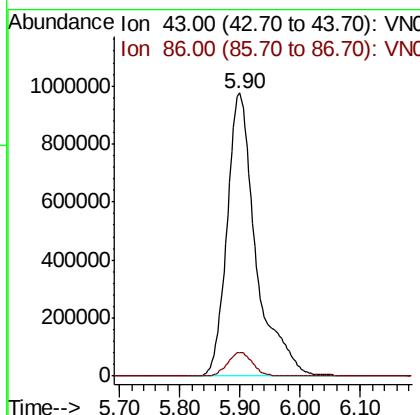
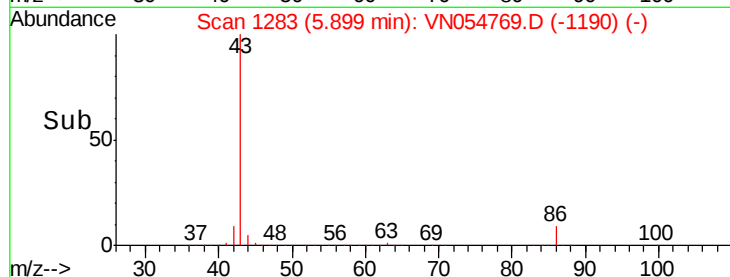
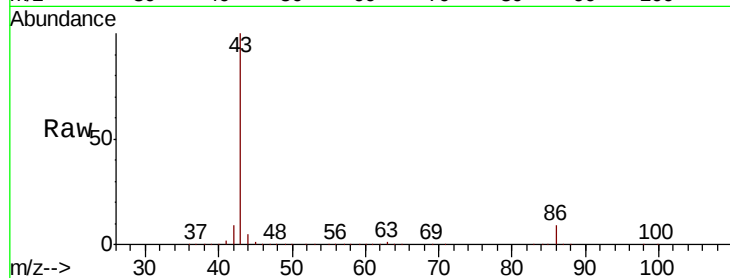
#23
 Vinyl Acetate
 Concen: 268.510 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 3260616
 Ion Ratio Lower Upper
 43 100
 86 8.5 9.1 13.7#

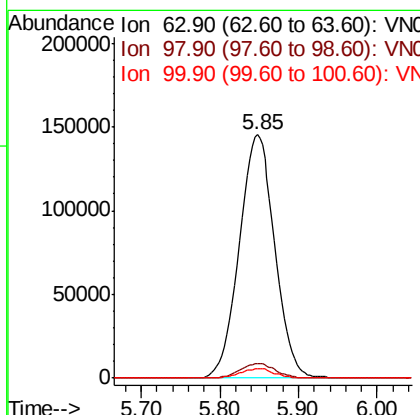
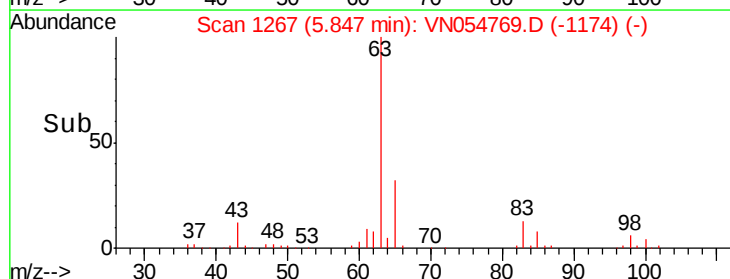
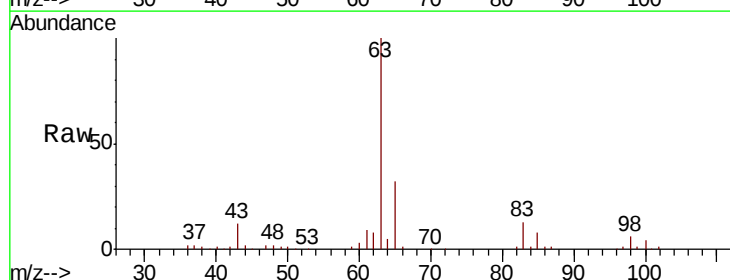
Manual Integrations
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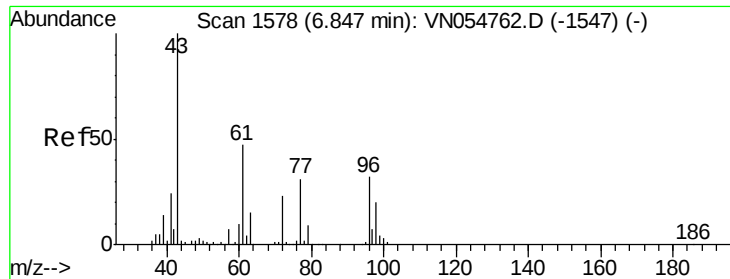
MMDadoda
 4/1/2019 4:00:34 PM



#24
 1,1-Dichloroethane
 Concen: 49.427 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion: 63 Resp: 460084
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.5 10.5
 100 3.7 2.0 6.0





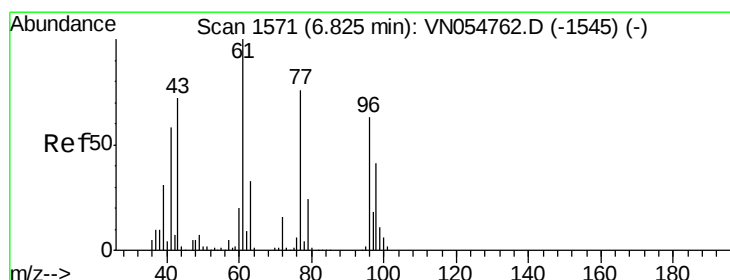
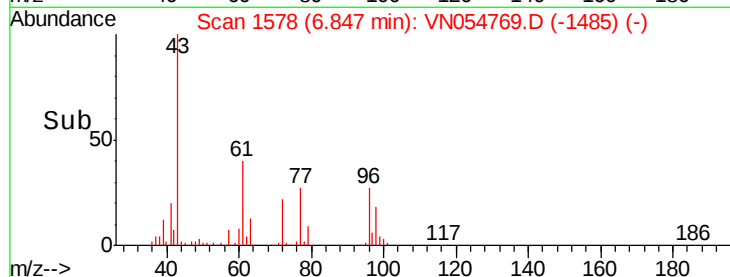
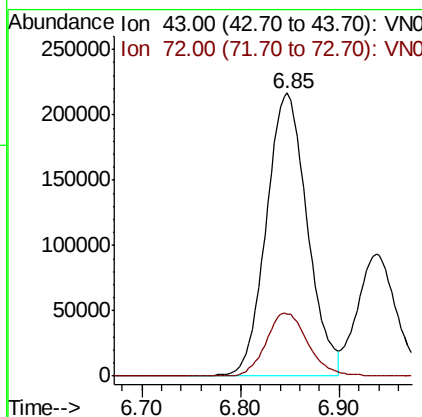
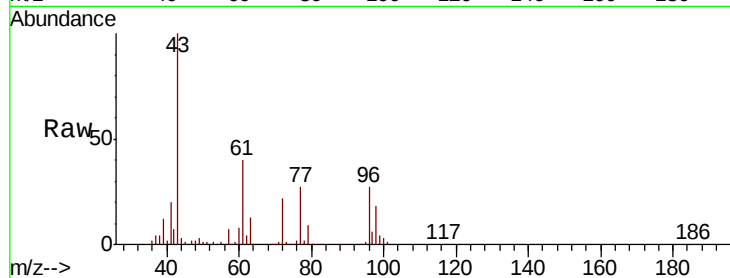
#25
2-Butanone
Concen: 286.979 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 621385
Ion Ratio Lower Upper
43 100
72 22.1 23.0 34.6#

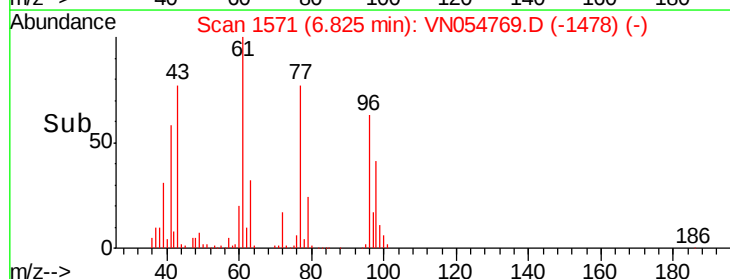
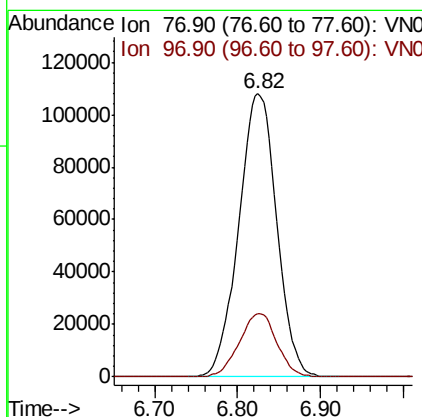
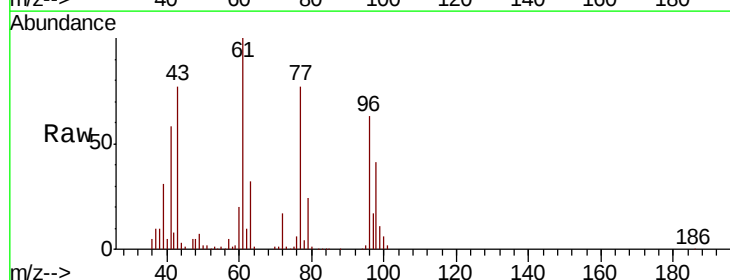
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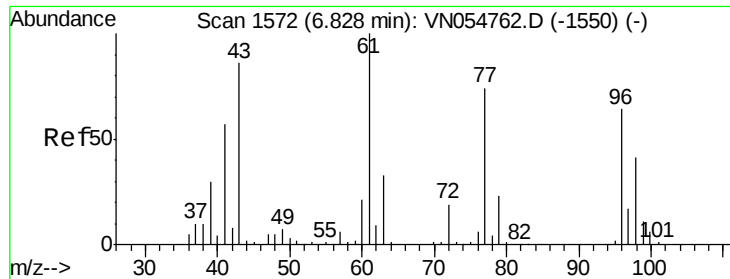
MMDadoda
4/1/2019 4:00:34 PM



#26
2,2-Dichloropropane
Concen: 52.561 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion: 77 Resp: 342917
Ion Ratio Lower Upper
77 100
97 22.2 11.9 35.9





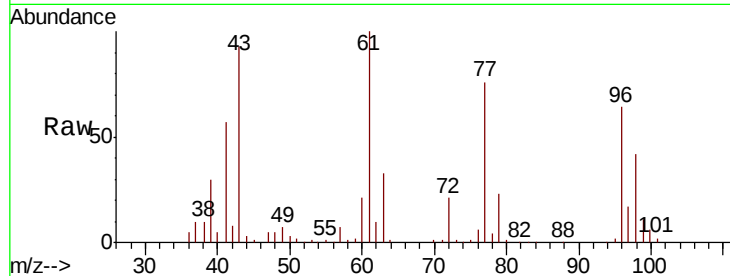
#27
 cis-1,2-Dichloroethene
 Concen: 49.418 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

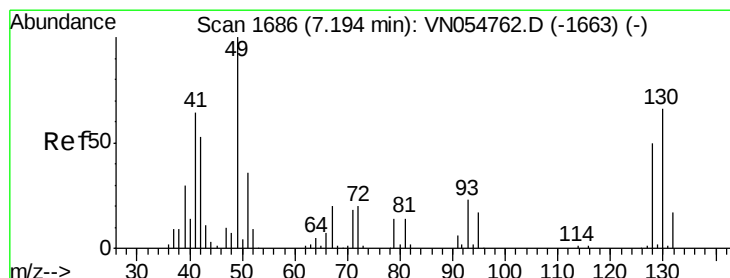
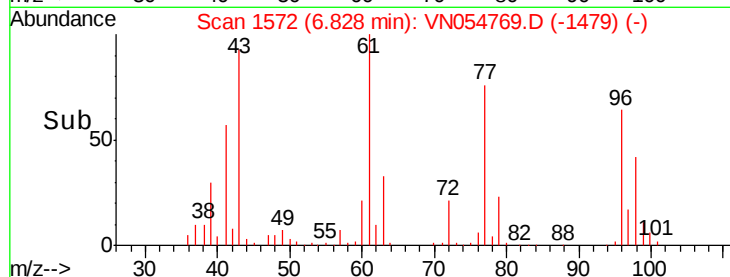
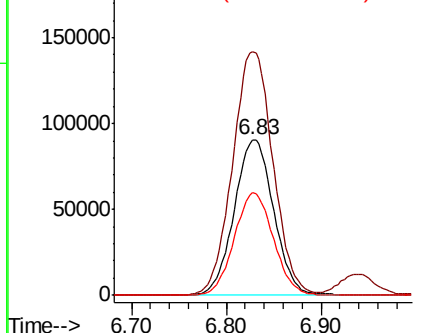
Tot Ion	Ratio	Resp	Lower	Upper
96	100	262647		
61	160.5	0.0	273.0	
98	65.6	0.0	130.6	

Manual Integrations
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MMDadoda
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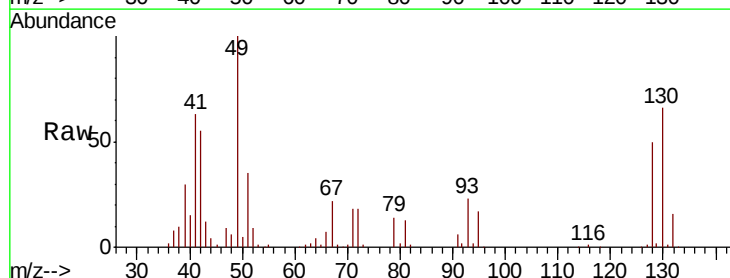


Abundance Ion 95.90 (95.60 to 96.60): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 97.90 (97.60 to 98.60): VNO

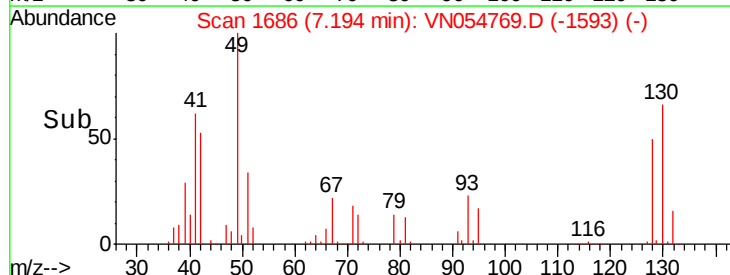
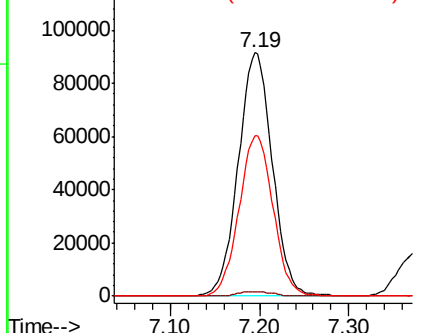


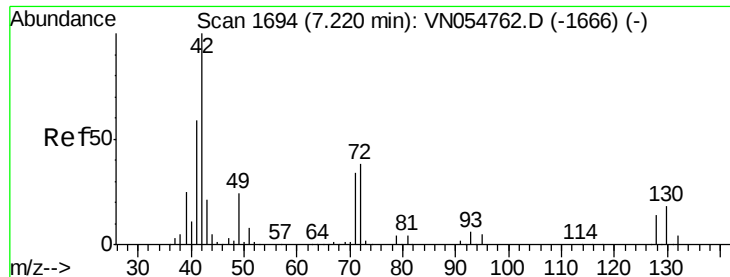
#28
 Bromochloromethane
 Concen: 52.099 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	242495		
129	1.9	0.0	4.6	
130	65.8	76.7	115.1#	



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





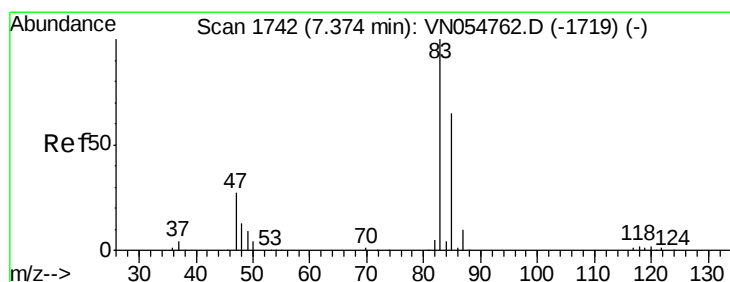
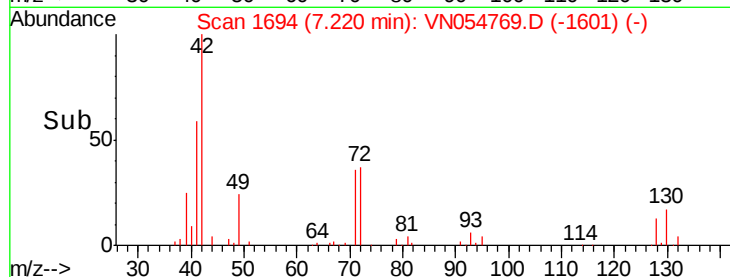
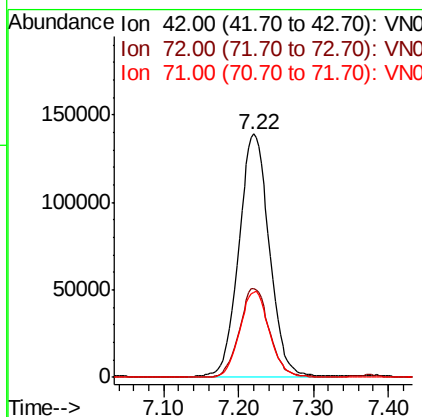
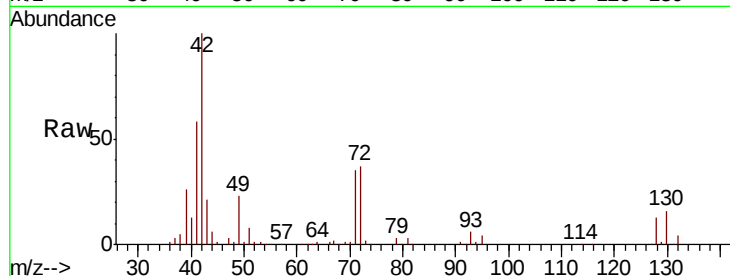
#29
Tetrahydrofuran
Concen: 260.565 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	37.8	56.6#
71	34.8	36.2	54.2#

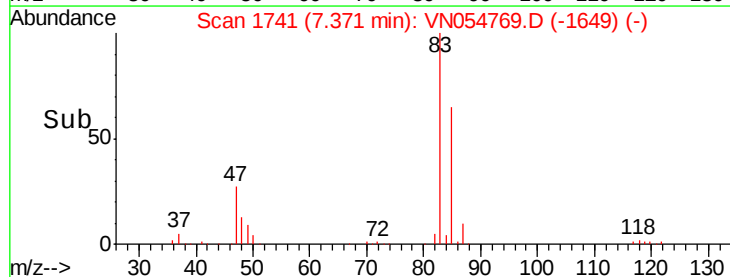
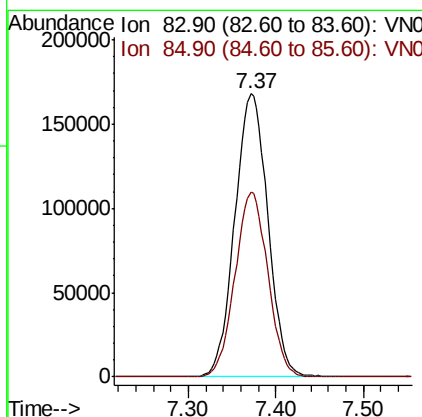
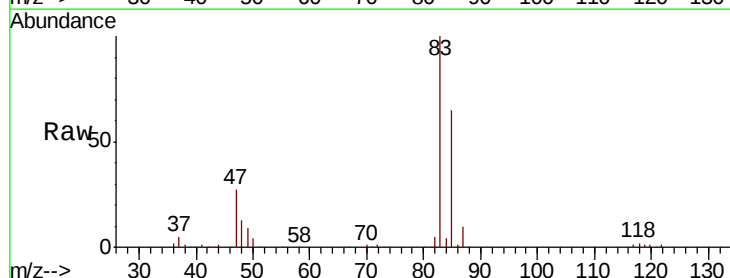
Manual Integrations
APPROVED

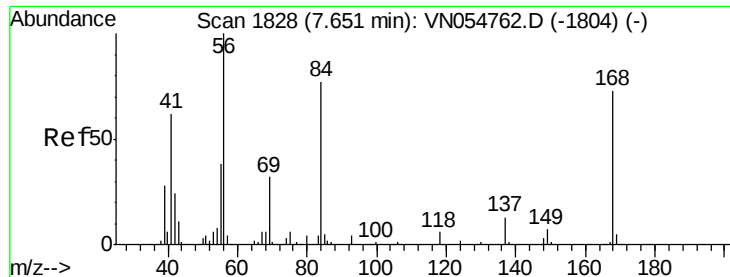
MMDadoda
4/1/2019 4:00:34 PM



#30
Chloroform
Concen: 49.717 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.4





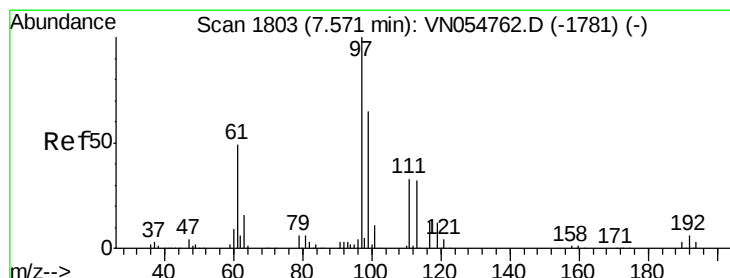
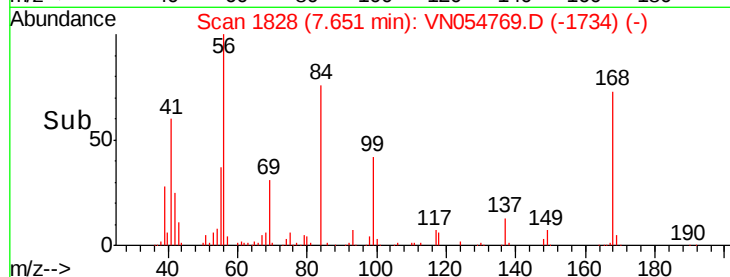
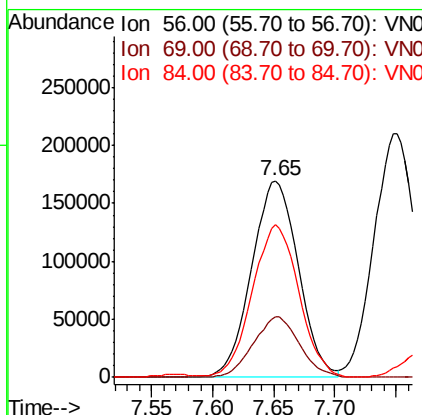
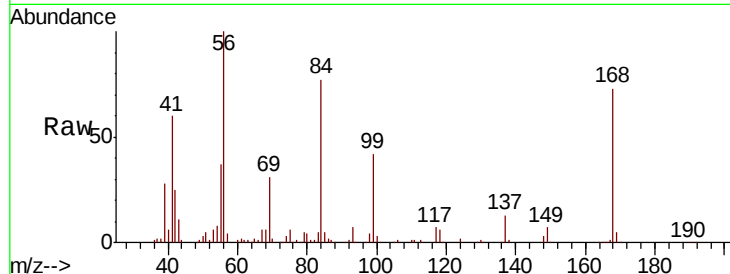
#31
Cyclohexane
Concen: 53.180 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	27.8	41.6
84	76.3	74.6	111.8

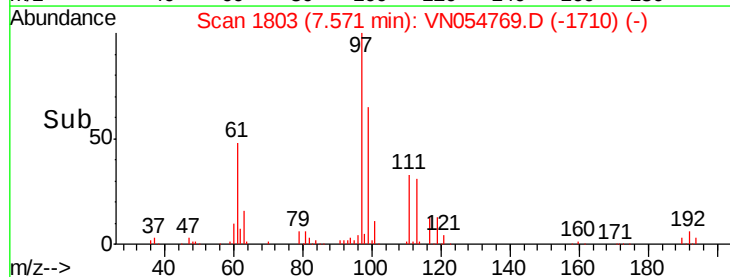
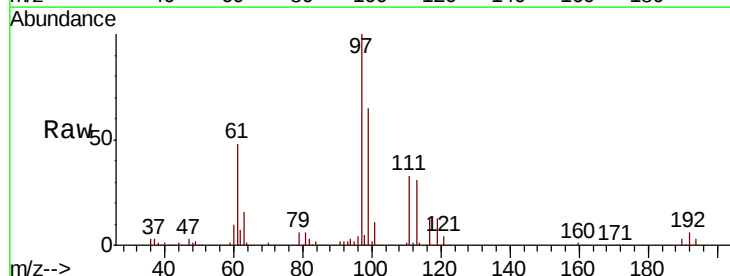
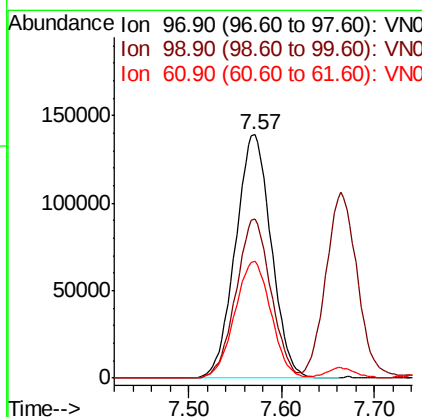
Manual Integrations
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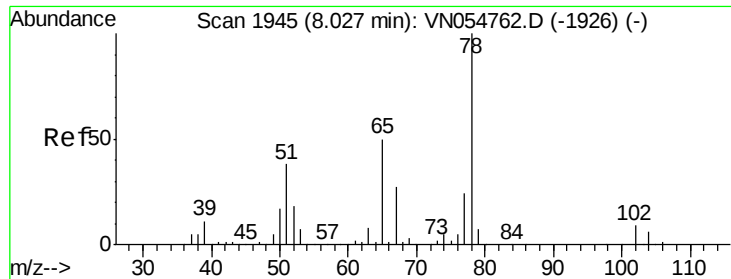
MMDadoda
4/1/2019 4:00:34 PM



#32
1,1,1-Trichloroethane
Concen: 50.589 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	48.7	33.6	50.4





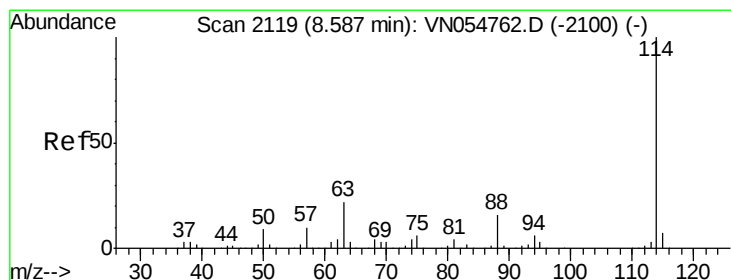
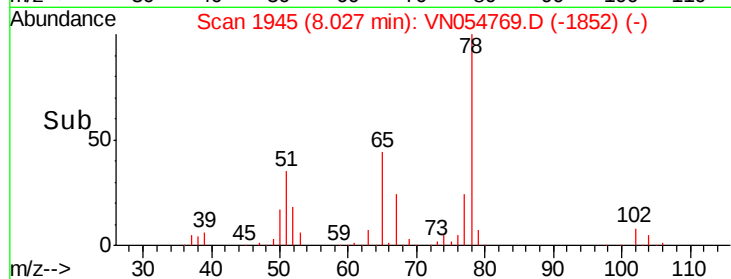
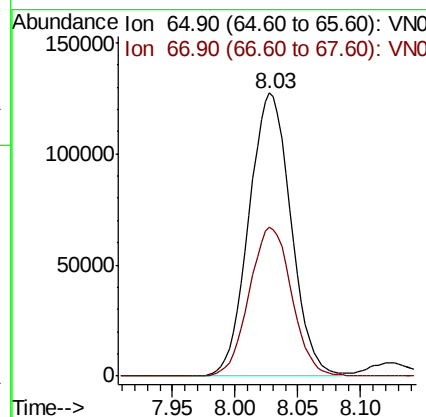
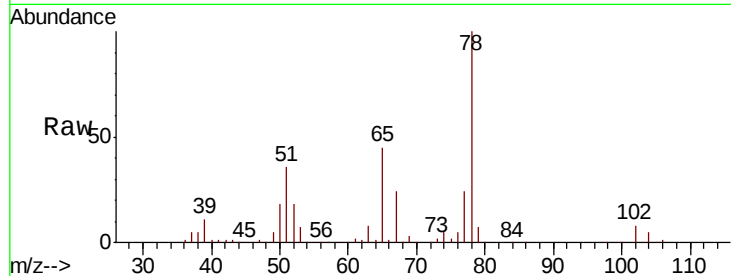
#33
 1,2-Dichloroethane-d4
 Concen: 48.253 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	296401		
67	53.2	0.0	104.6	

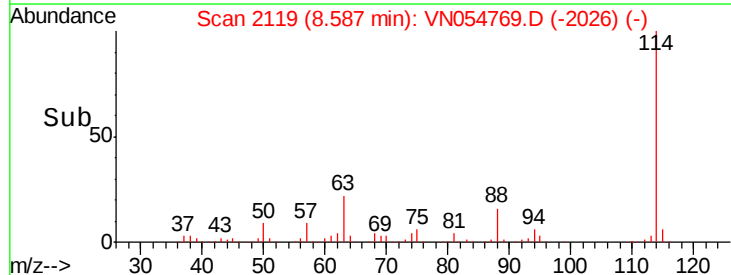
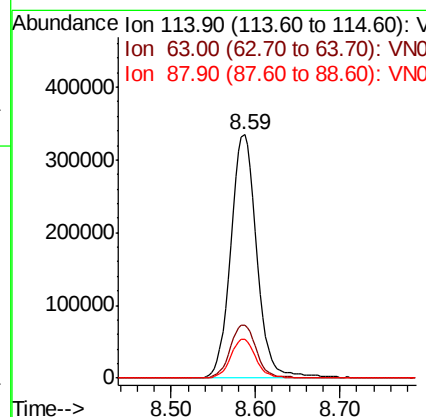
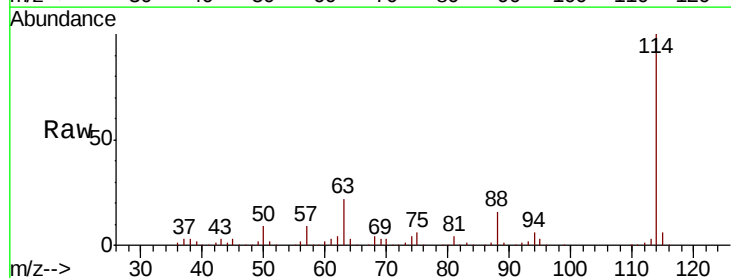
Manual Integrations
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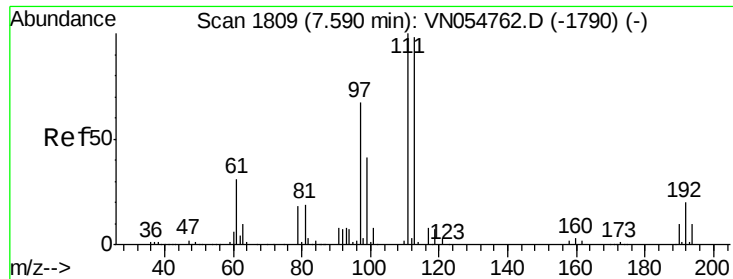
MMDadoda
 4/1/2019 4:00:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	719364		
63	21.8	0.0	35.2	
88	15.8	0.0	30.2	





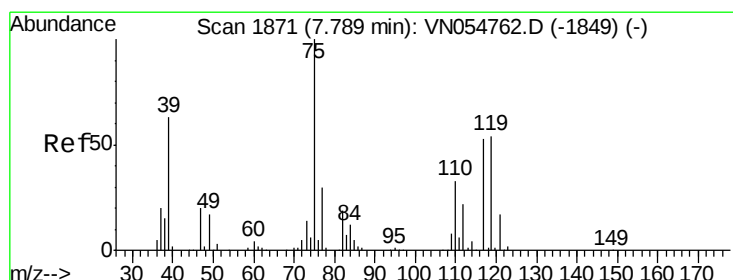
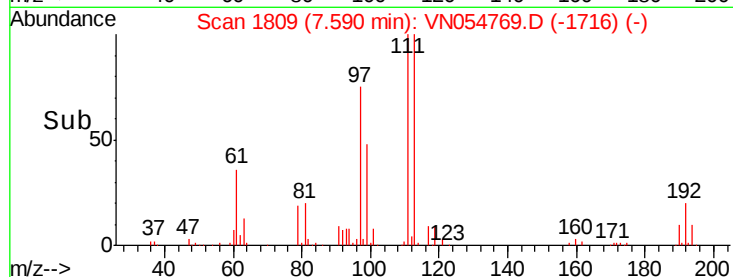
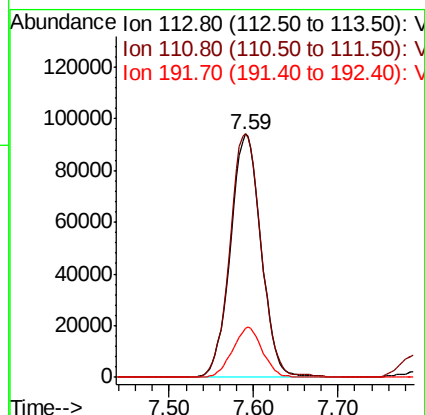
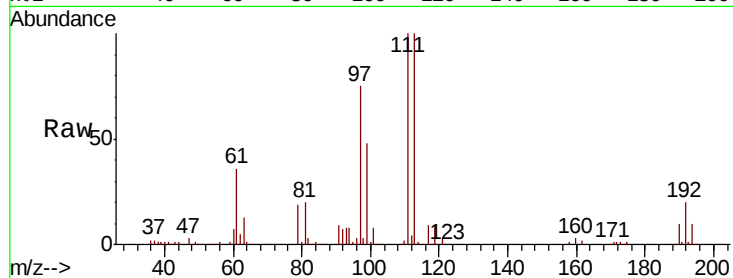
#35
Dibromofluoromethane
Concen: 49.577 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	82.2	123.4	
192	20.0	19.2	28.8	

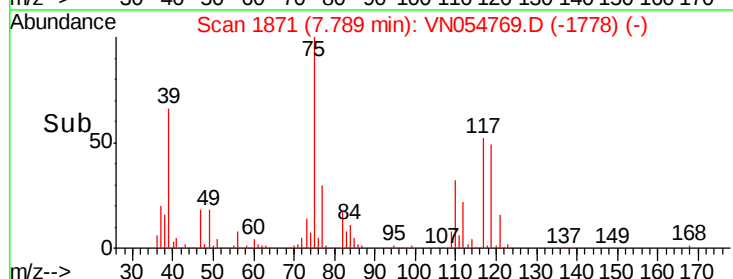
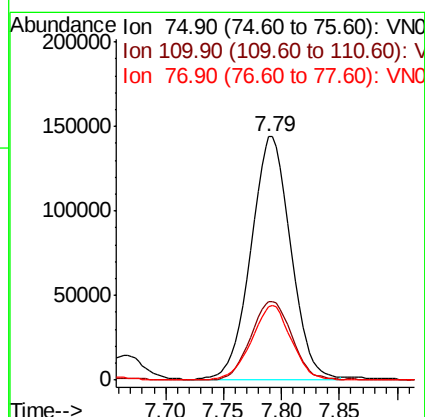
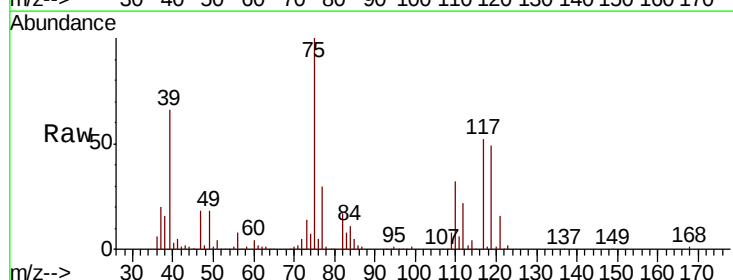
Manual Integrations
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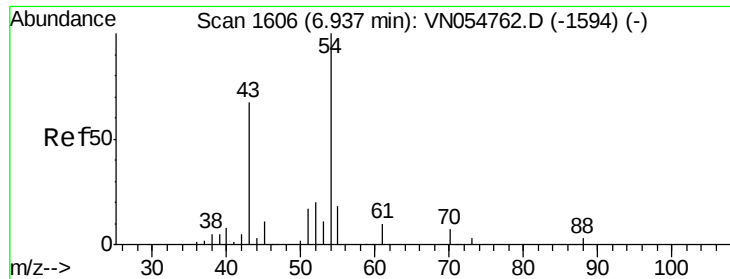
MMDadoda
4/1/2019 4:00:34 PM



#36
1,1-Dichloropropene
Concen: 50.960 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.8	19.1	57.5	
77	30.9	25.0	37.4	





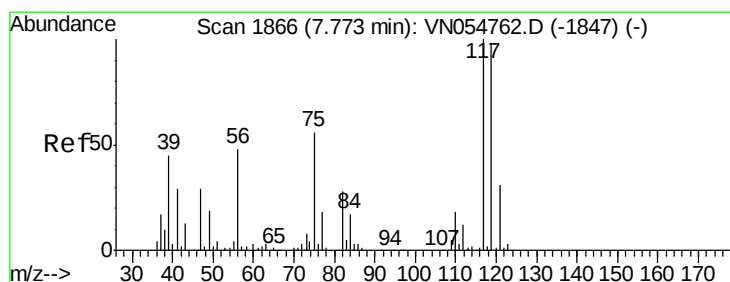
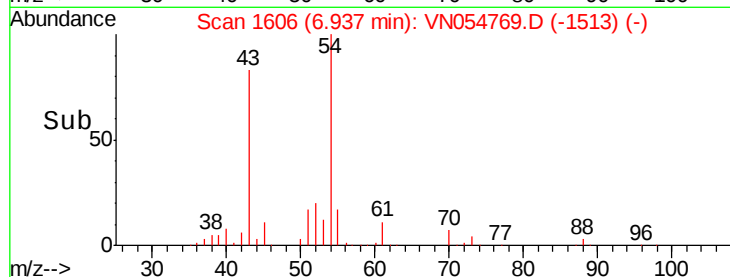
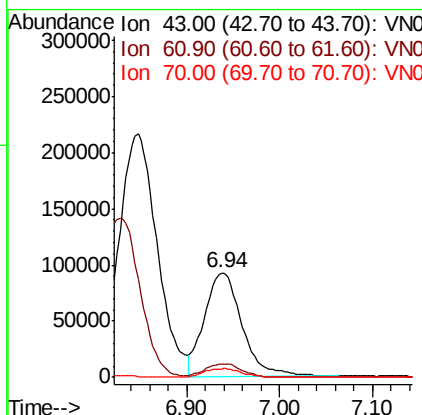
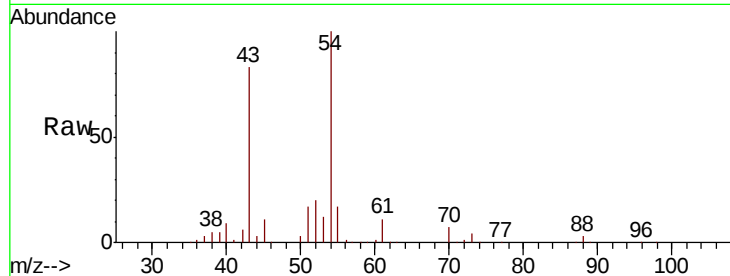
#37
Ethyl Acetate
Concen: 52.683 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.8	17.6
70	8.7	8.4	12.6

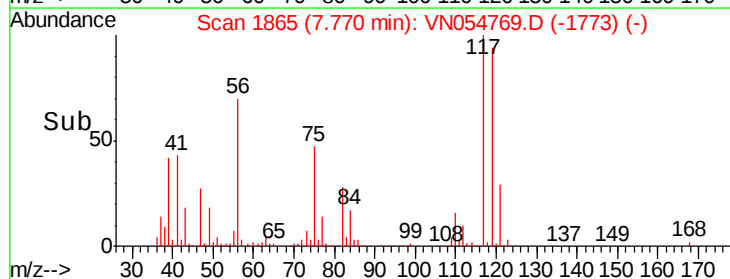
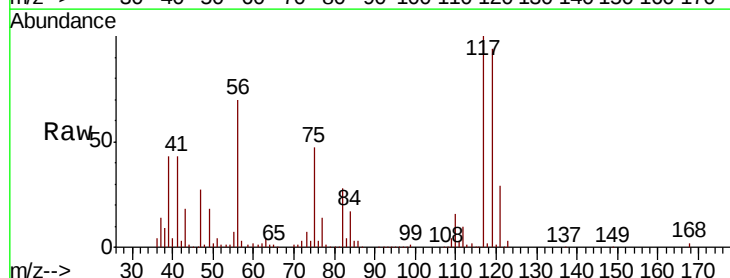
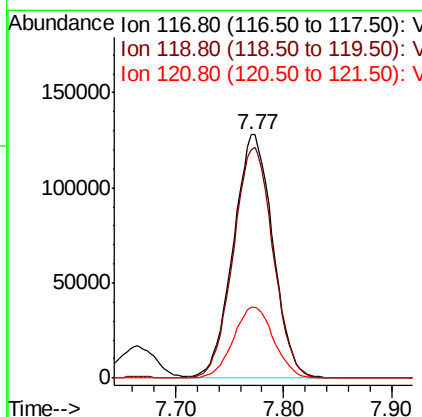
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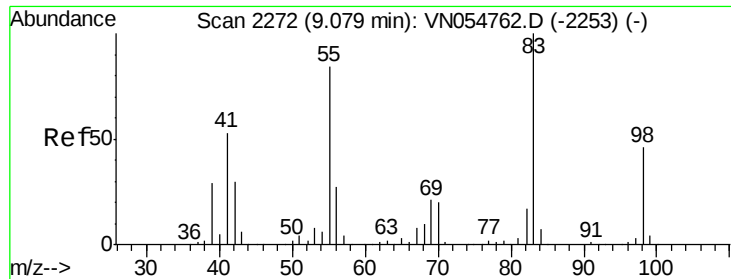
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4/1/2019 4:00:34 PM



#38
Carbon Tetrachloride
Concen: 50.042 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.3	114.5
121	29.1	24.6	36.8





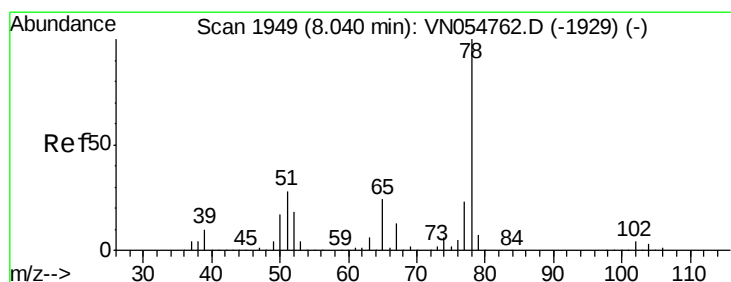
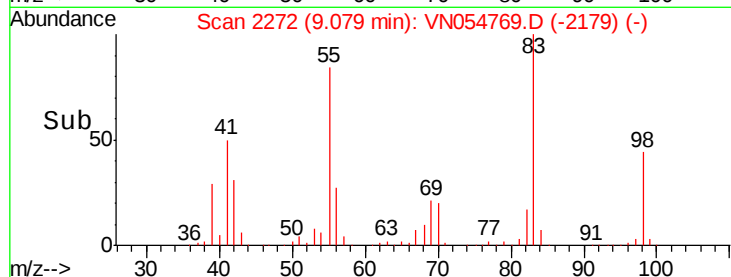
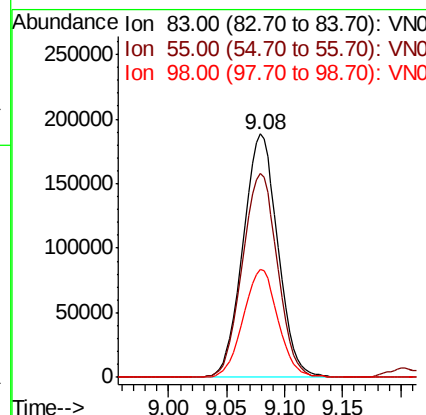
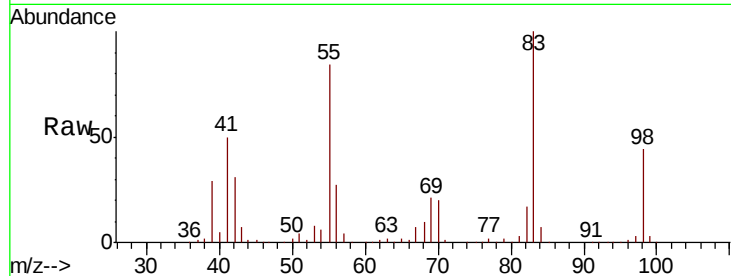
#39
Methvlcvclohexane
Concen: 53.358 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	56.6	84.8
98	44.2	38.4	57.6

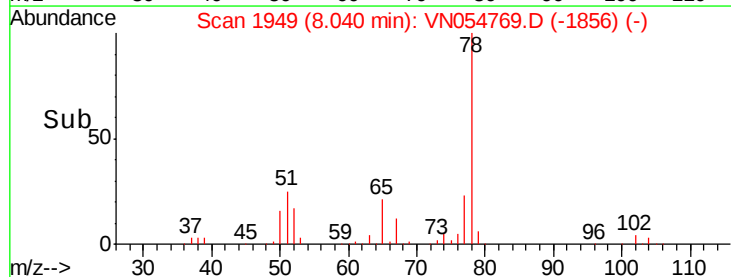
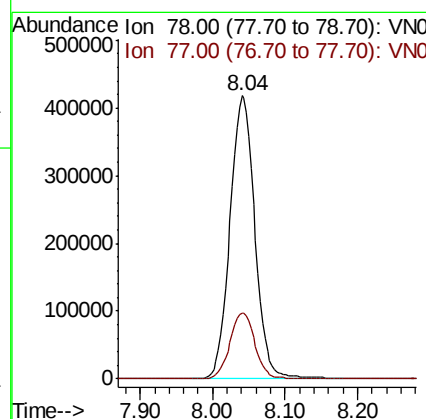
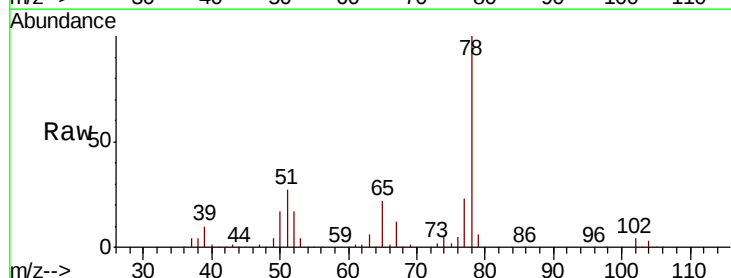
Manual Integrations
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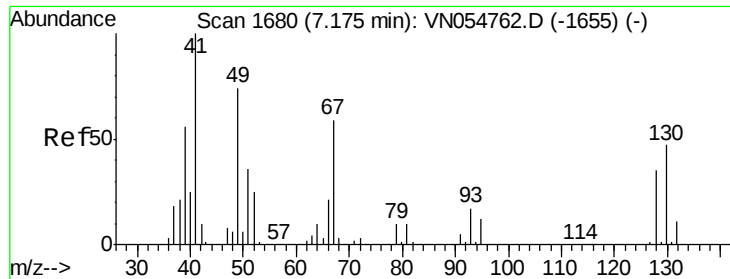
MMDadoda
4/1/2019 4:00:34 PM



#40
Benzene
Concen: 51.925 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





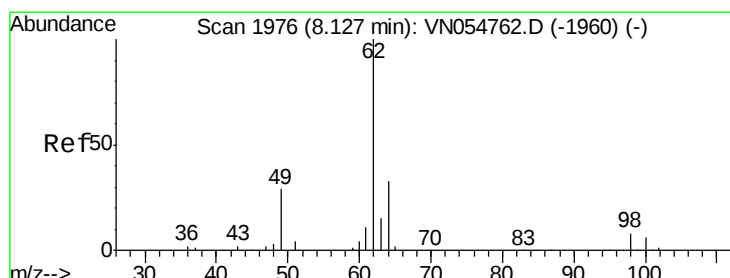
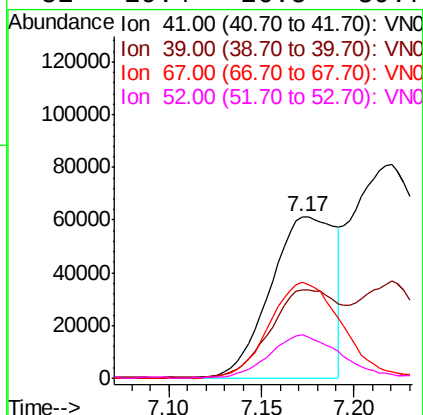
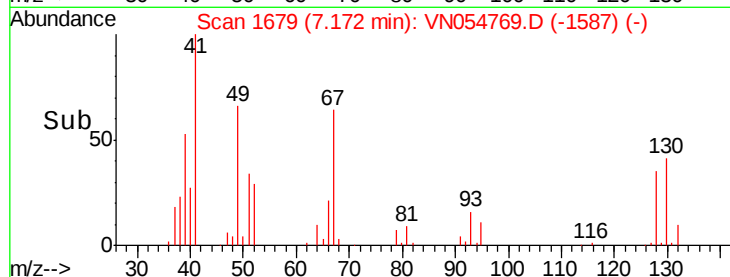
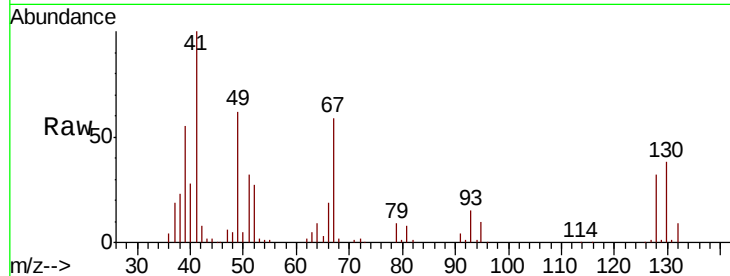
#41
Methacrylonitrile
Concen: 53.667 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	148191
Ion Ratio	Lower	Upper	
41	100		
39	57.8	46.8	70.2
67	67.9	67.0	100.4
52	29.4	26.5	39.7

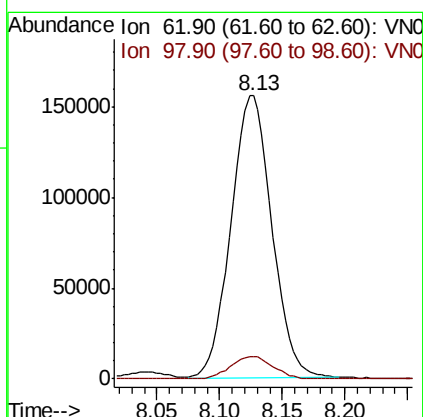
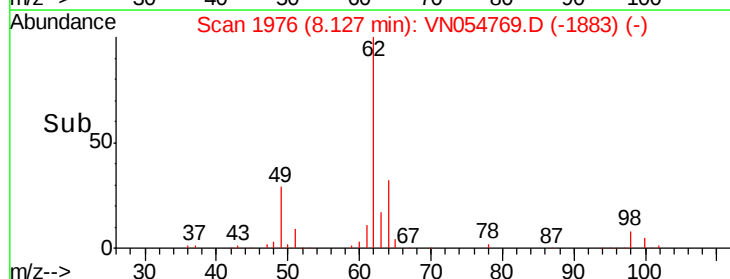
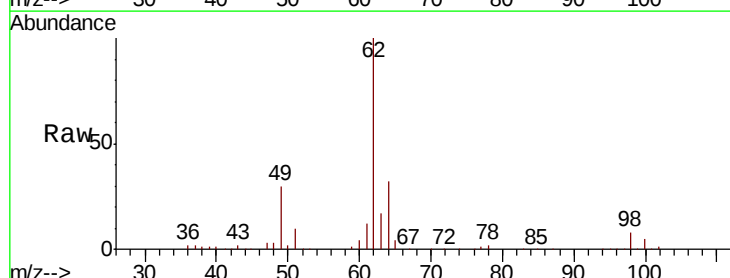
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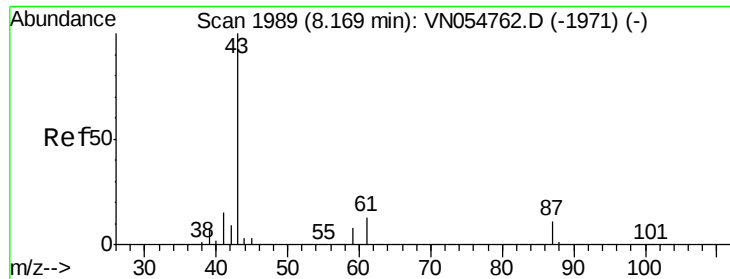
MMDadoda
4/1/2019 4:00:34 PM



#42
1,2-Dichloroethane
Concen: 51.491 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	62	Resp	352633
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 55.988 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

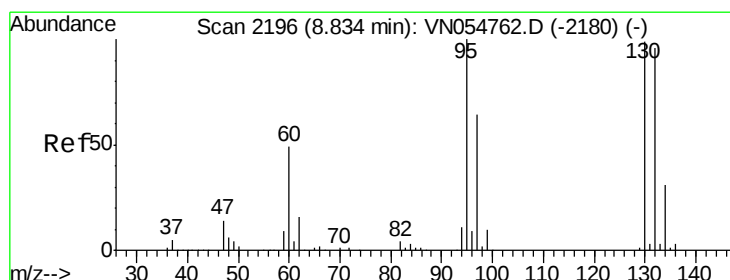
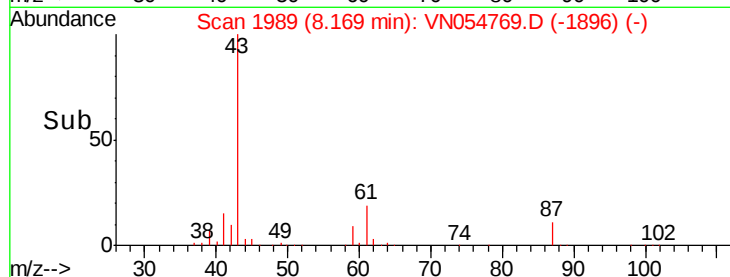
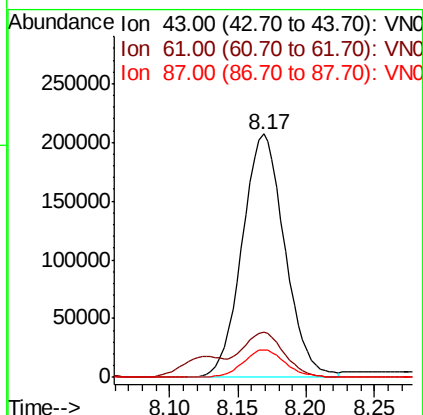
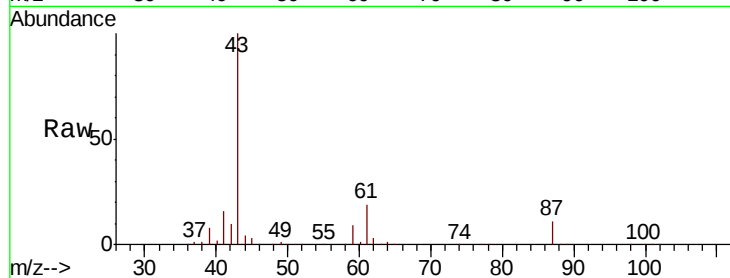
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	447179
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.8	23.8
87	11.4	12.0	18.0#

Manual Integrations
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4/1/2019 4:00:34 PM



#44

Trichloroethene

Concen: 52.550 ug/l

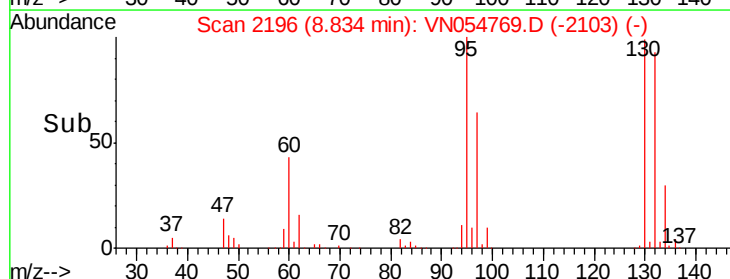
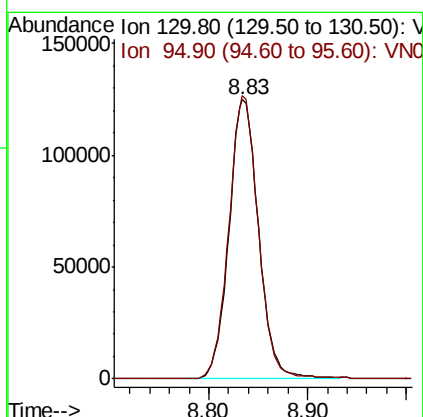
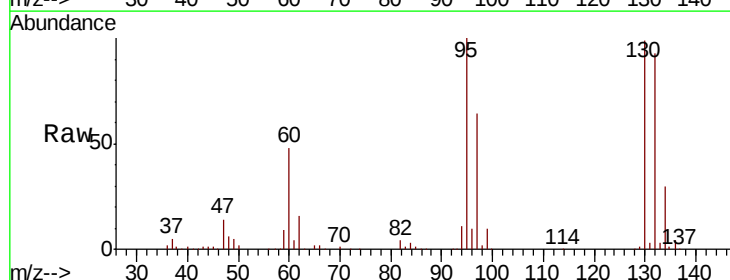
RT: 8.83 min Scan# 2196

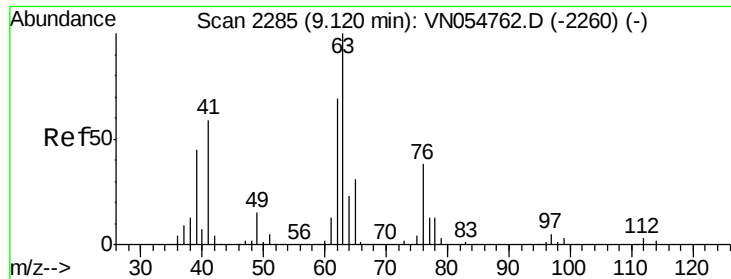
Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Tgt Ion:	130	Resp:	261641
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	185.2





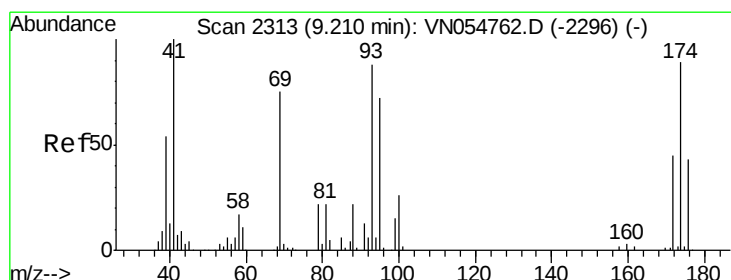
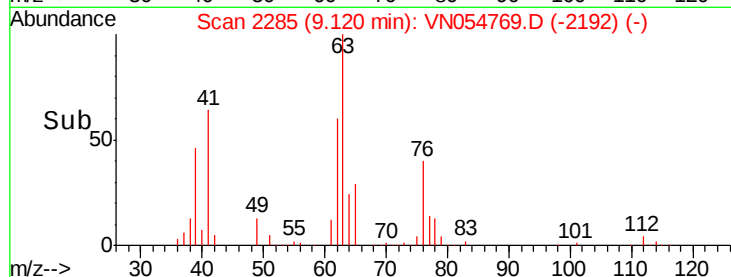
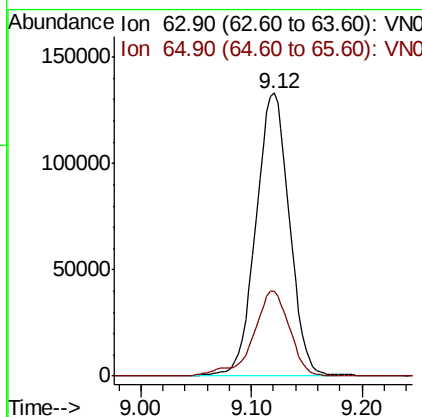
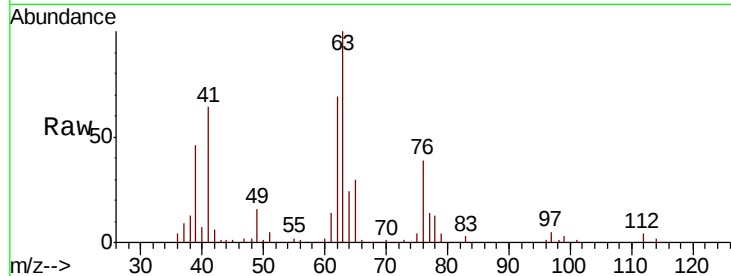
#45
 1,2-Dichloropropane
 Concen: 51.280 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 280453
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6

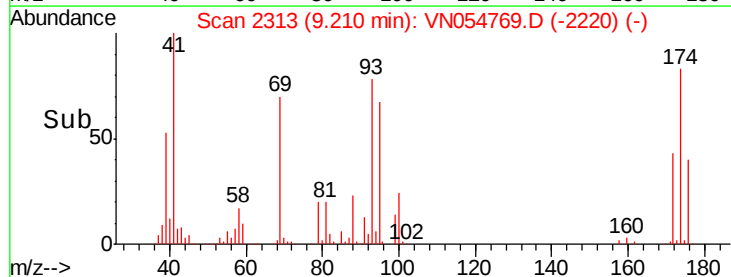
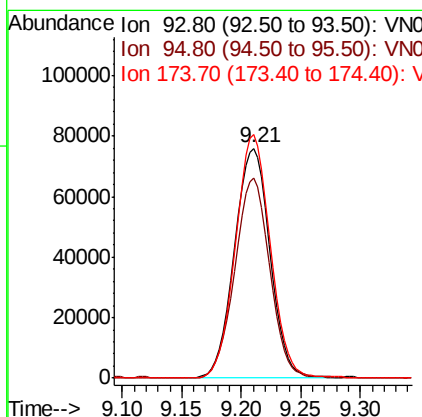
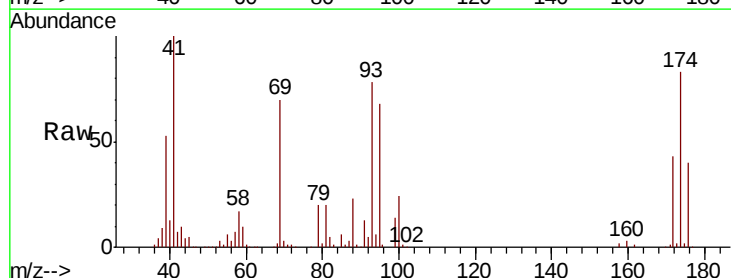
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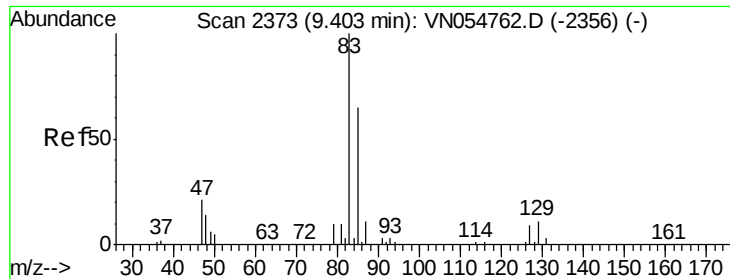
MMDadoda
 4/1/2019 4:00:34 PM



#46
 Dibromomethane
 Concen: 51.263 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion: 93 Resp: 157712
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.7 100.1
 174 103.6 98.5 147.7





#47

Bromodichloromethane

Concen: 52.963 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

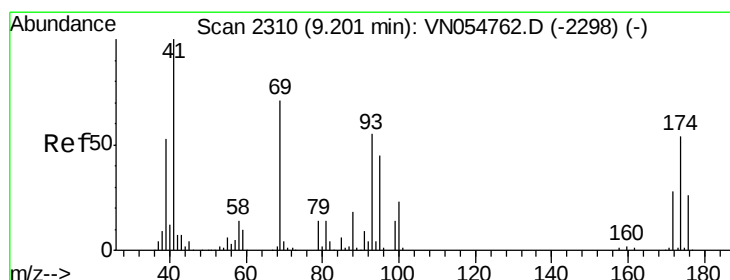
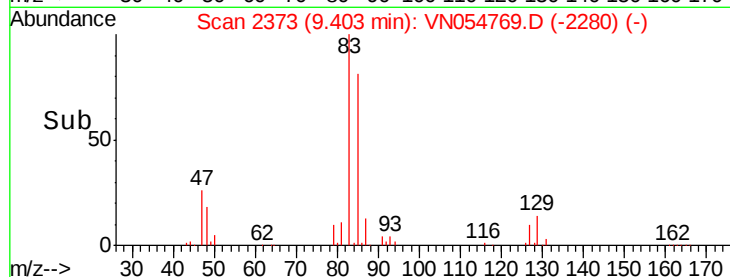
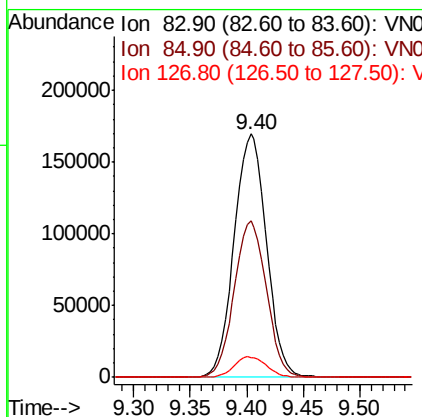
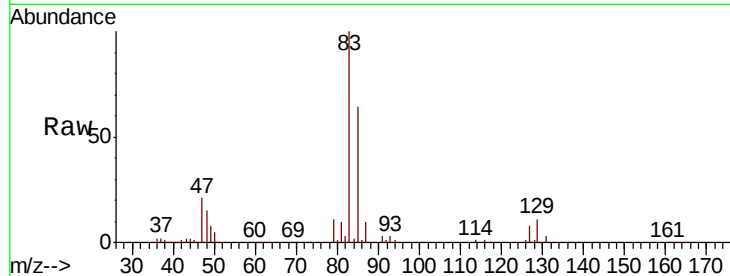
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	338641
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.8	79.2
127	8.3	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:34 PM



#48

Methyl methacrylate

Concen: 53.649 ug/l

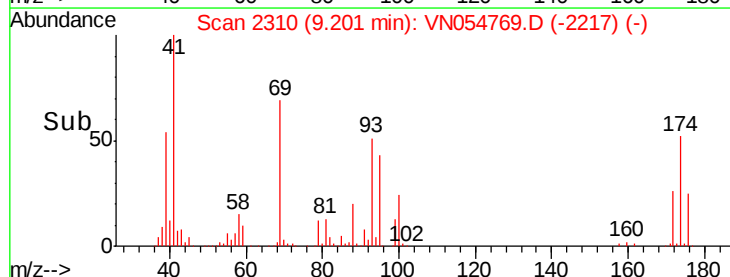
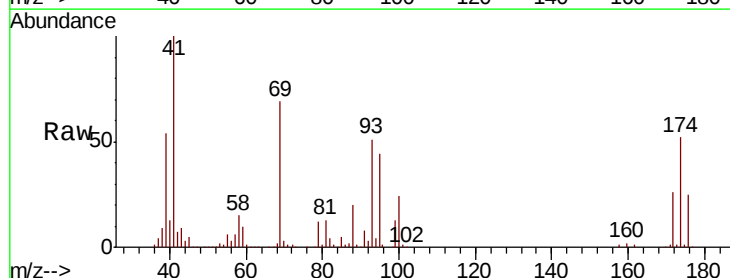
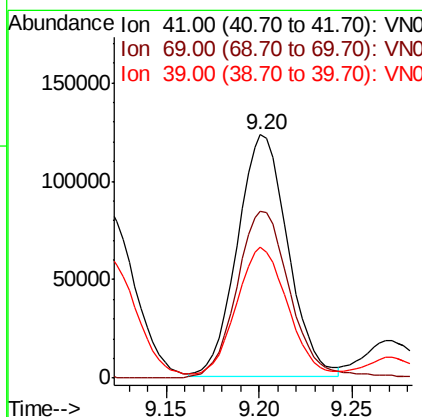
RT: 9.20 min Scan# 2310

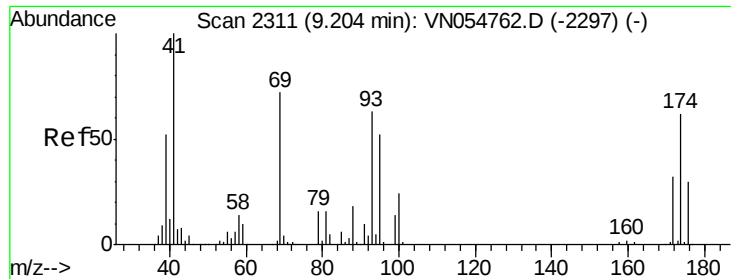
Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Tgt Ion:	41	Resp:	232280
Ion Ratio	Lower	Upper	
41	100		
69	73.7	72.6	108.8
39	55.2	47.5	71.3





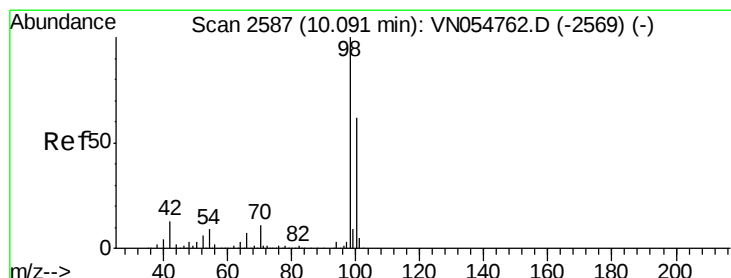
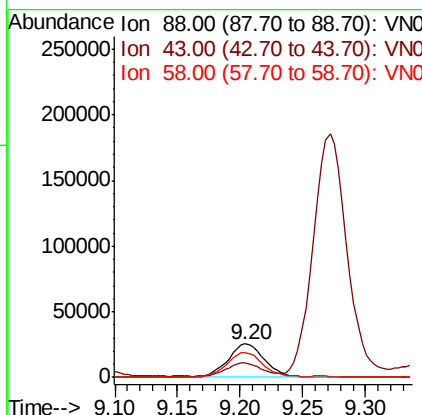
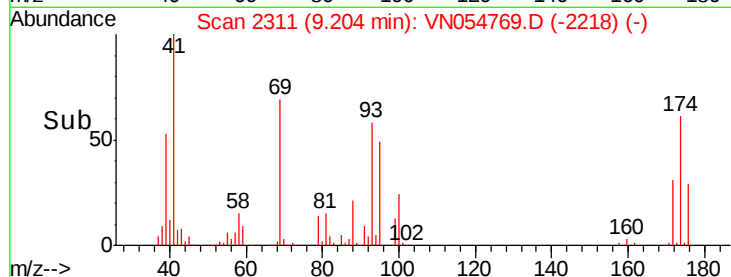
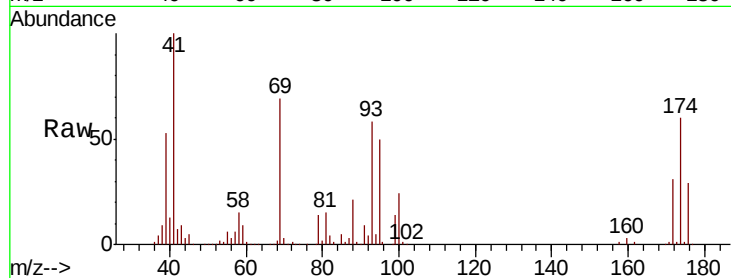
#49
1,4-Dioxane
Concen: 1207.310 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	24.1	36.1#
58	73.4	50.8	76.2

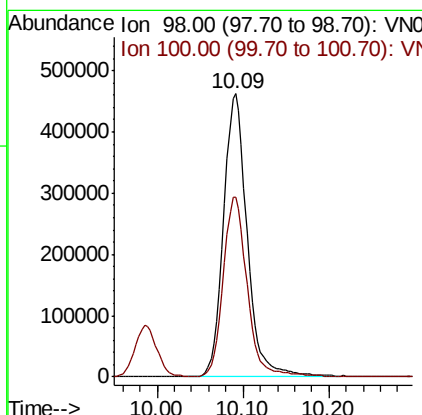
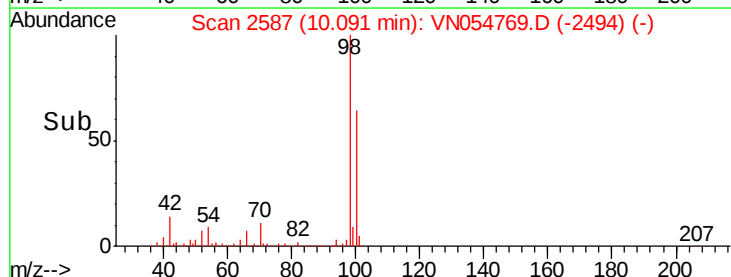
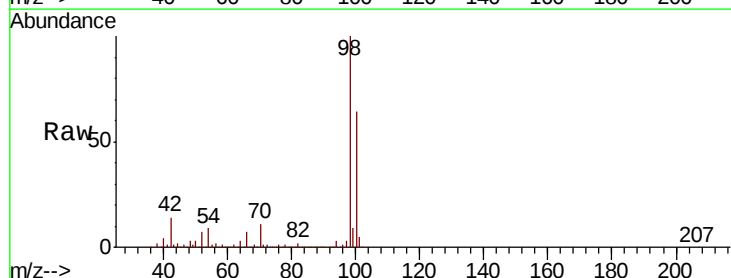
Manual Integrations
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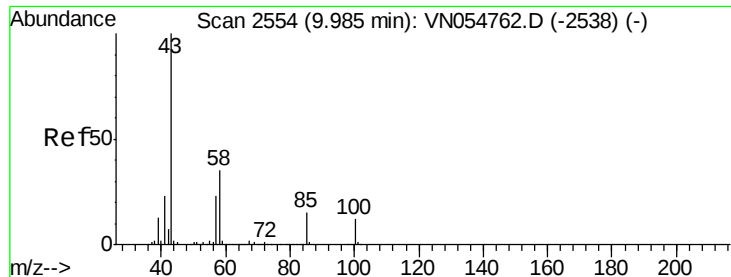
MMDadoda
4/1/2019 4:00:34 PM



#50
Toluene-d8
Concen: 49.817 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 279.575 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1255439

Ion Ratio Lower Upper

43 100

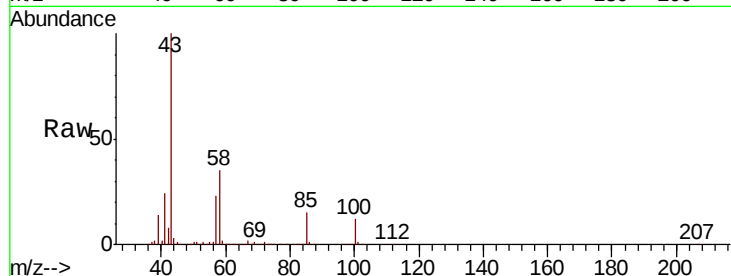
58 35.2 31.8 47.6

Manual Integrations

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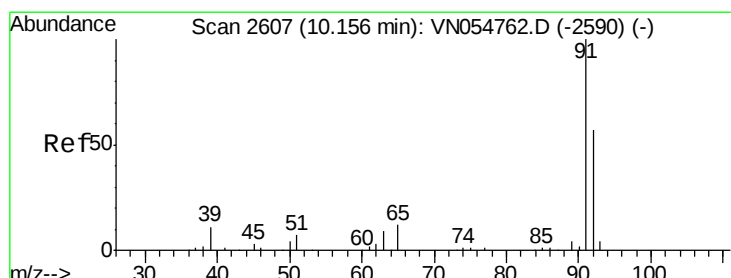
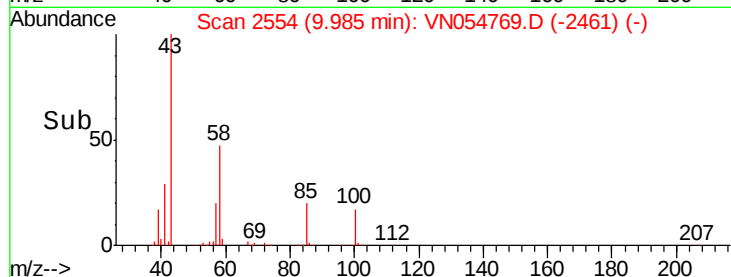
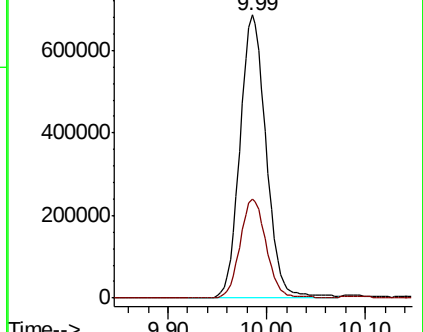
MMDadoda

4/1/2019 4:00:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.108 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054769.D

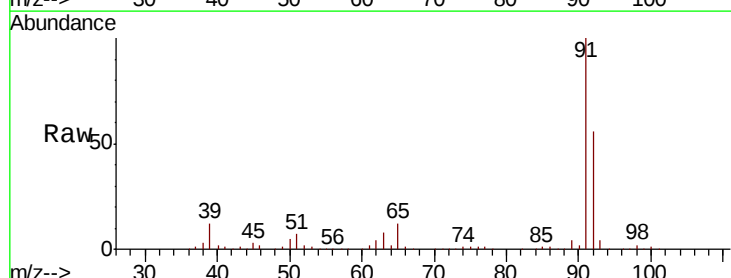
Acq: 29 Mar 2019 14:44

Tgt Ion: 92 Resp: 594708

Ion Ratio Lower Upper

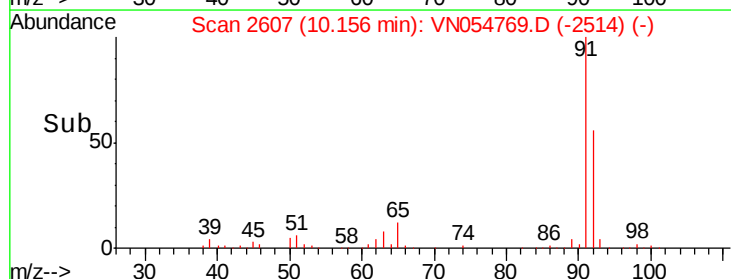
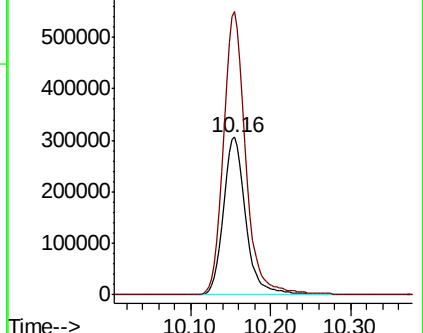
92 100

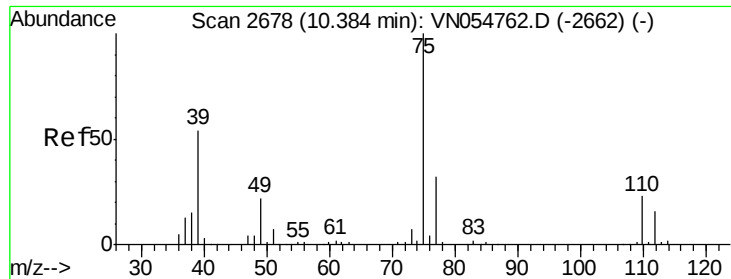
91 178.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





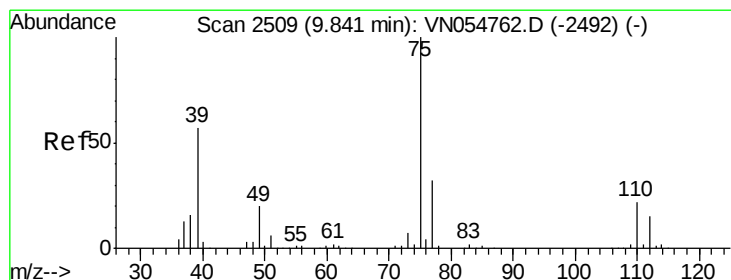
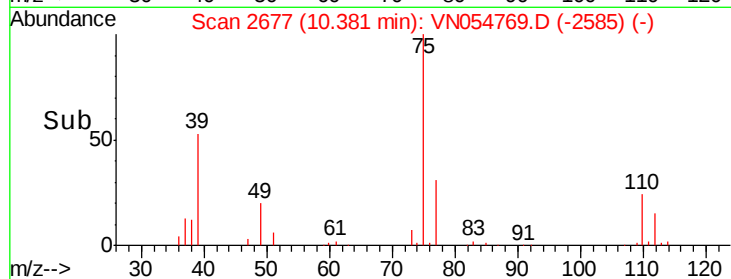
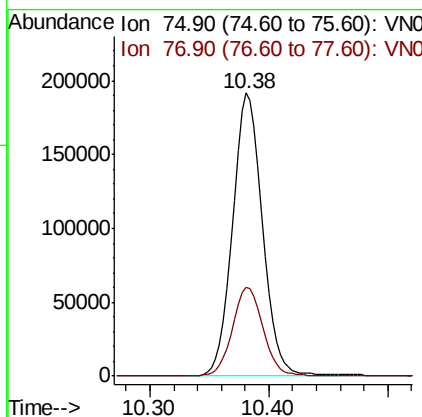
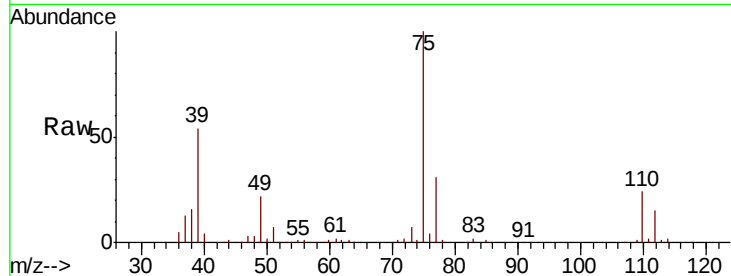
#53
t-1,3-Dichloropropene
Concen: 55.463 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 333587
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.8

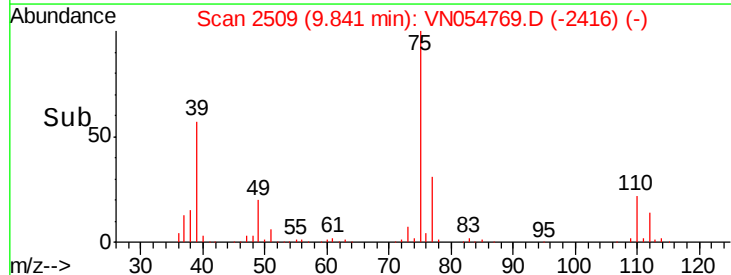
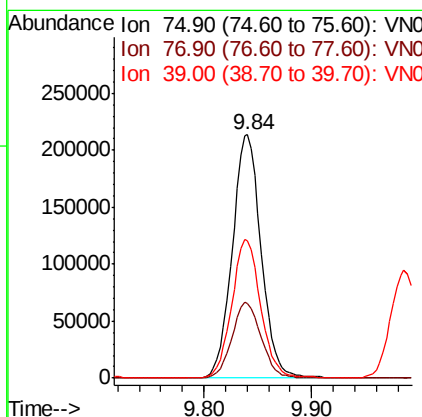
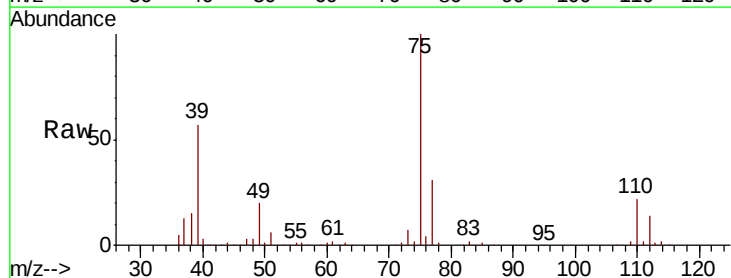
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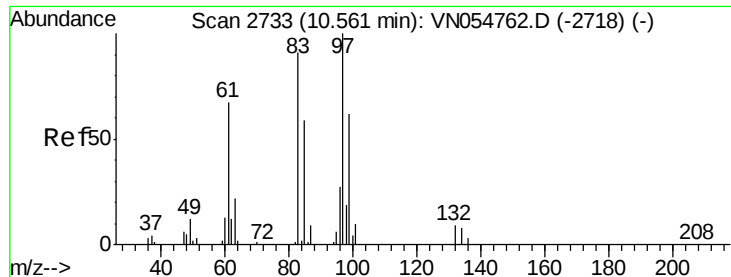
MMDadoda
4/1/2019 4:00:34 PM



#54
cis-1,3-Dichloropropene
Concen: 55.357 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion: 75 Resp: 397724
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.0
39 56.5 37.2 55.8#





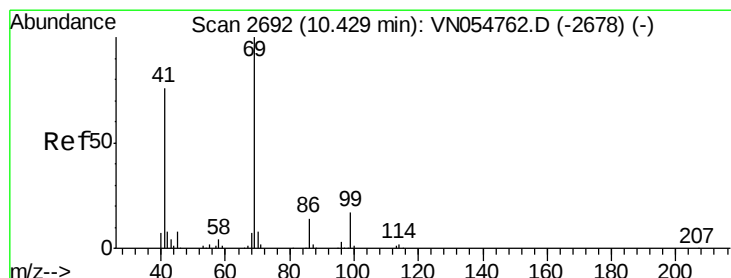
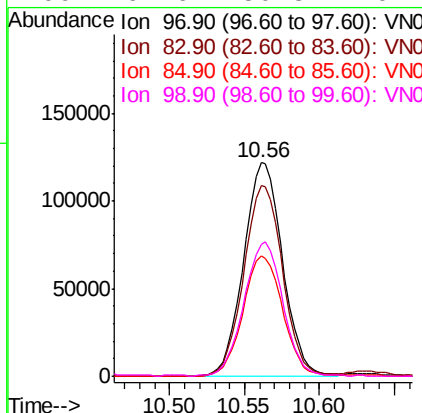
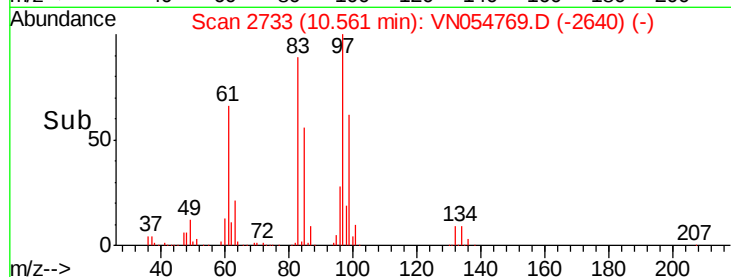
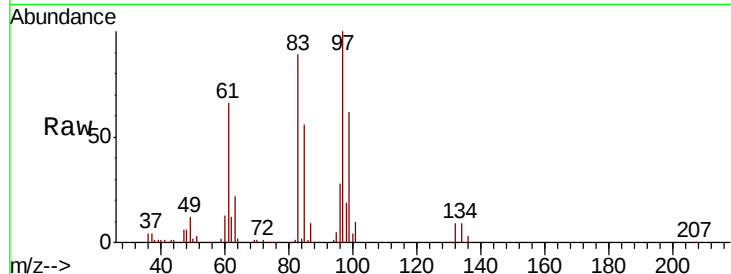
#55
 1,1,2-Trichloroethane
 Concen: 52.026 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	220787
Ion	Ratio	Lower	Upper
97	100		
83	89.4	66.6	100.0
85	56.2	44.4	66.6
99	61.6	50.8	76.2

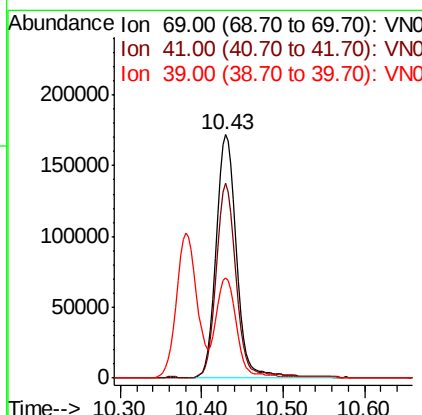
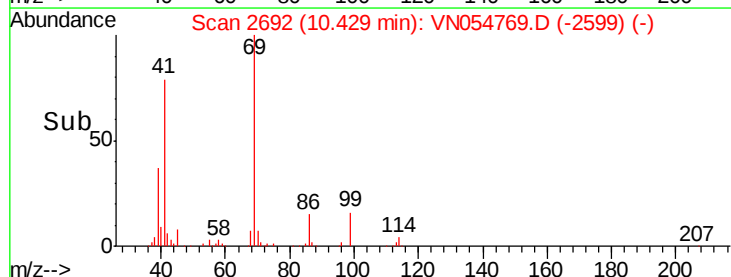
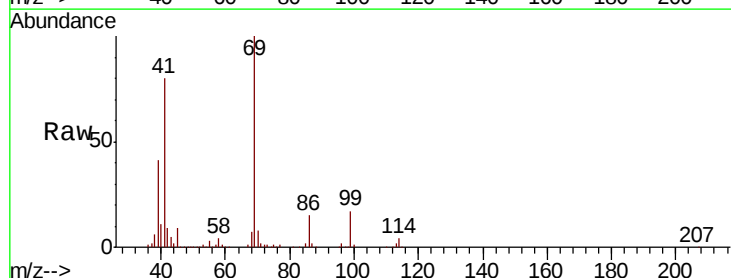
Manual Integrations
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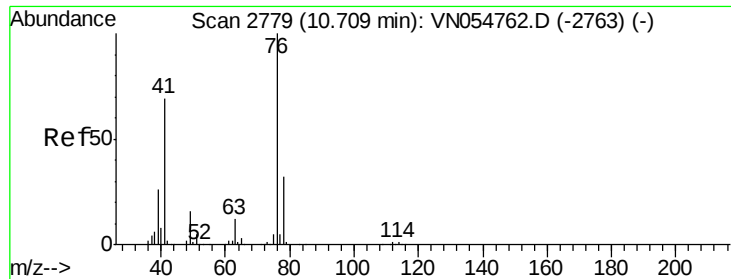
MMDadoda
 4/1/2019 4:00:34 PM



#56
 Ethyl methacrylate
 Concen: 55.436 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion:	69	Resp:	308607
Ion	Ratio	Lower	Upper
69	100		
41	77.4	49.4	74.2#
39	40.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.508 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 390387

Ion Ratio Lower Upper

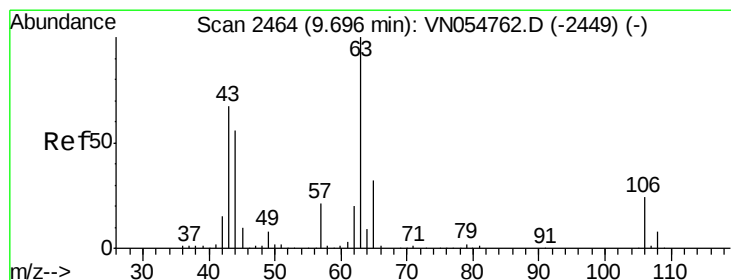
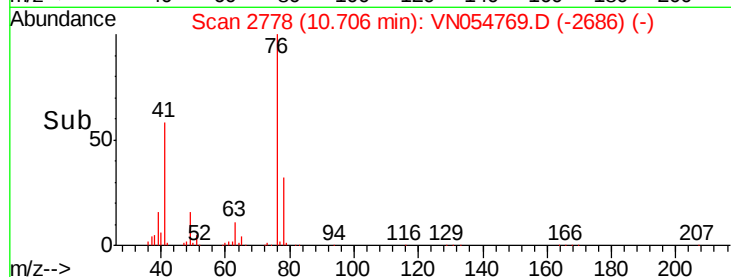
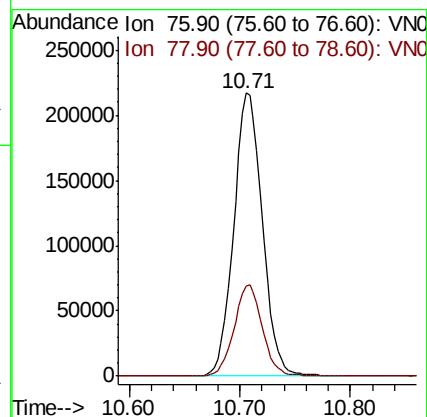
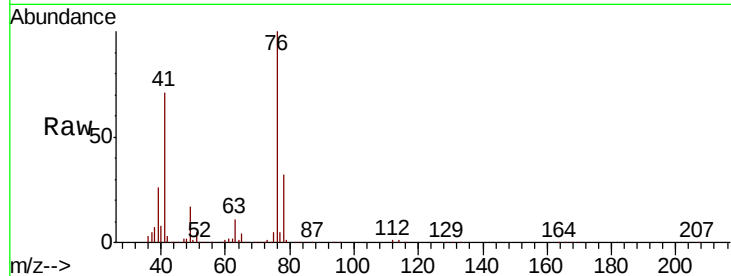
76 100

78 31.9 25.7 38.5

Manual Integrations
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MMDadoda

4/1/2019 4:00:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 257.895 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054769.D

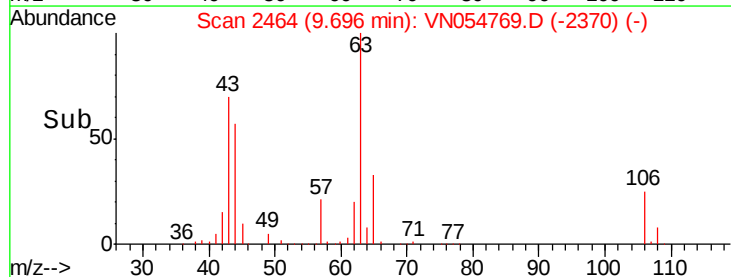
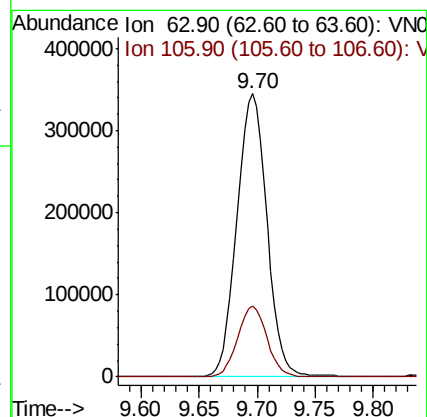
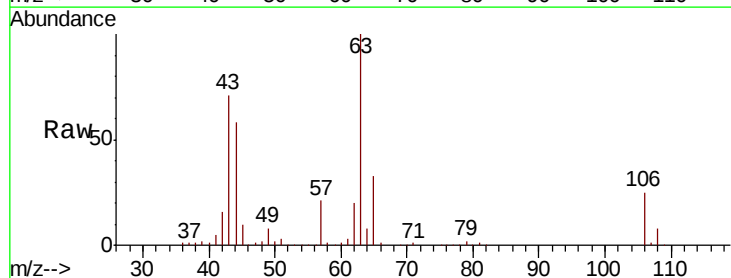
Acq: 29 Mar 2019 14:44

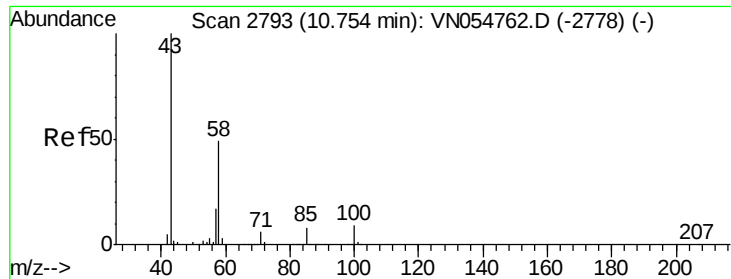
Tgt Ion: 63 Resp: 619250

Ion Ratio Lower Upper

63 100

106 24.5 24.4 36.6





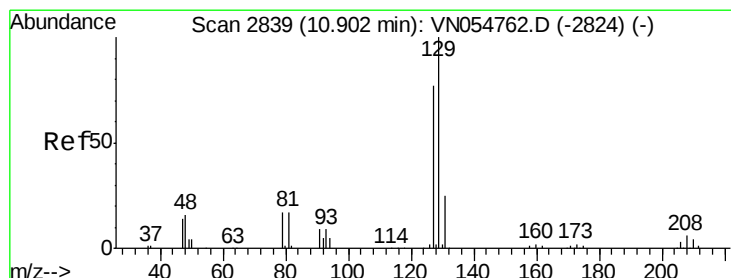
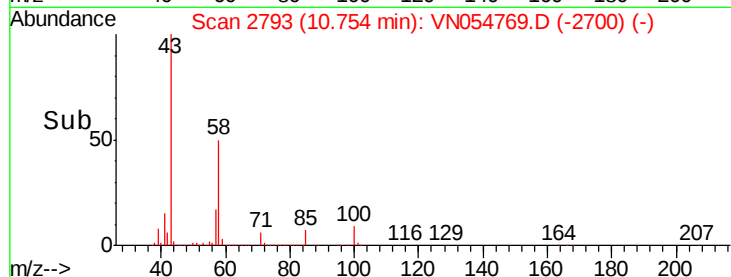
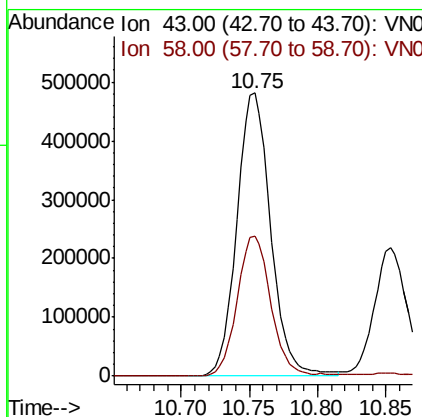
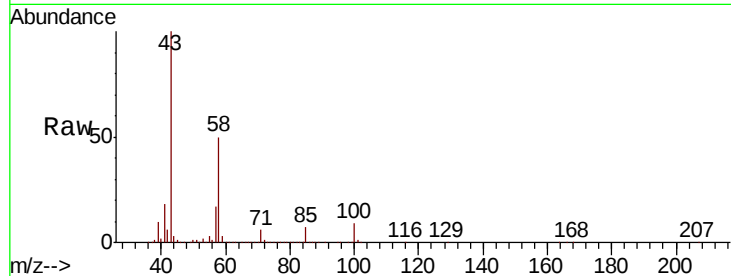
#59
2-Hexanone
Concen: 288.077 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	828123
Ion Ratio	100	Lower	Upper
43	100		
58	49.6	28.0	83.9

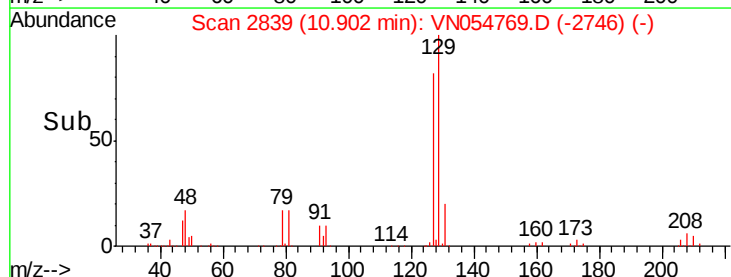
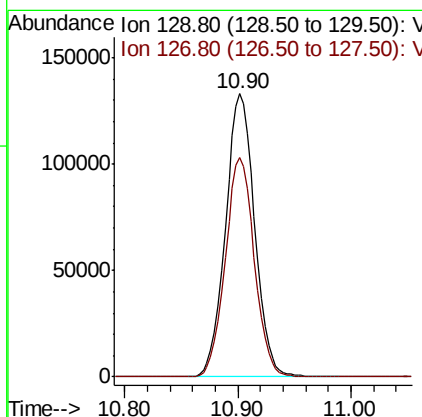
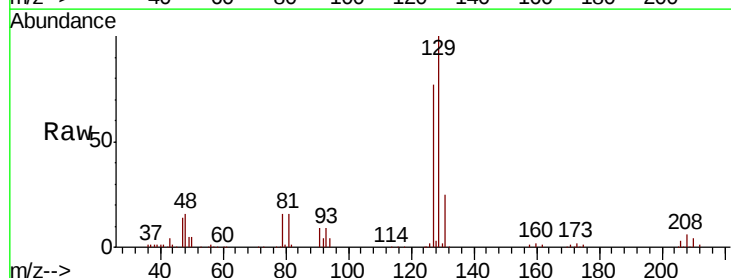
Manual Integrations
APPROVED

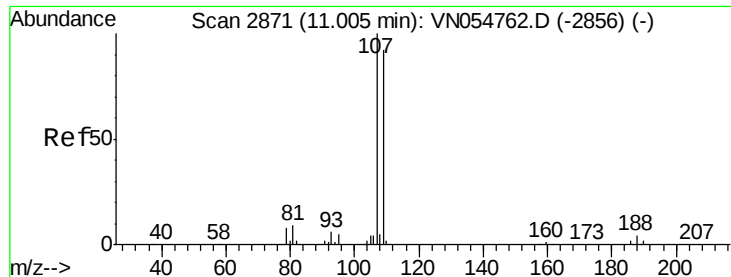
MMDadoda
4/1/2019 4:00:34 PM



#60
Dibromochloromethane
Concen: 55.421 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	129	Resp	238243
Ion Ratio	100	Lower	Upper
129	100		
127	77.2	38.6	115.8





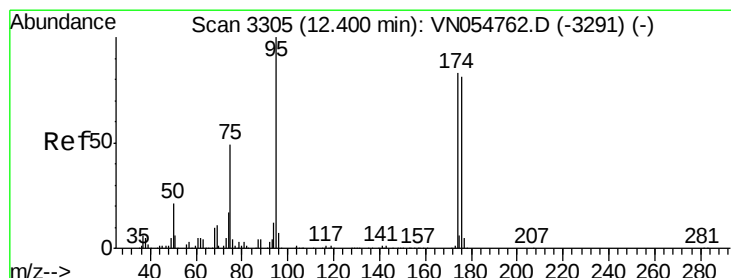
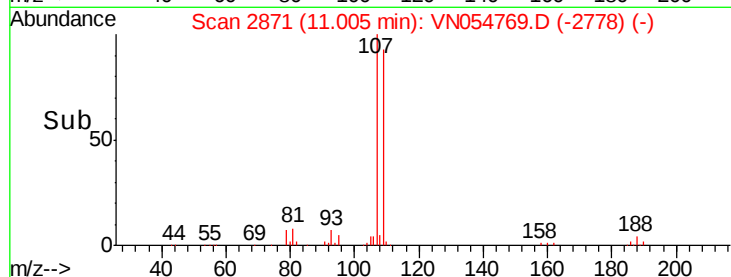
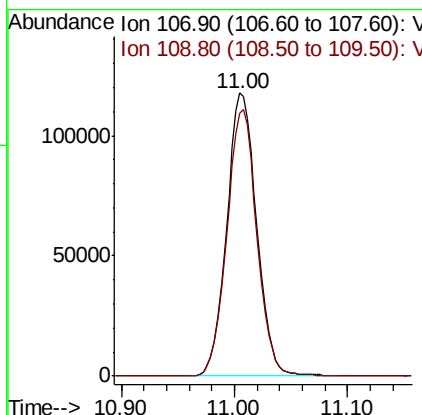
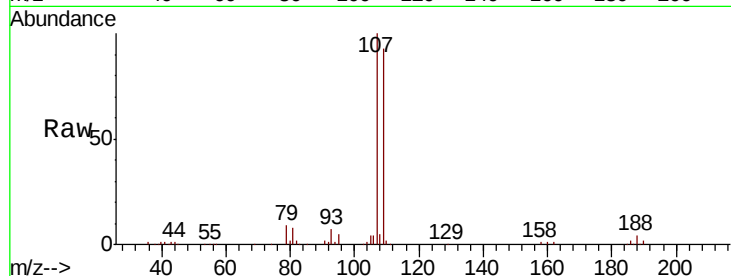
#61
 1,2-Dibromoethane
 Concen: 53.382 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.9	113.9

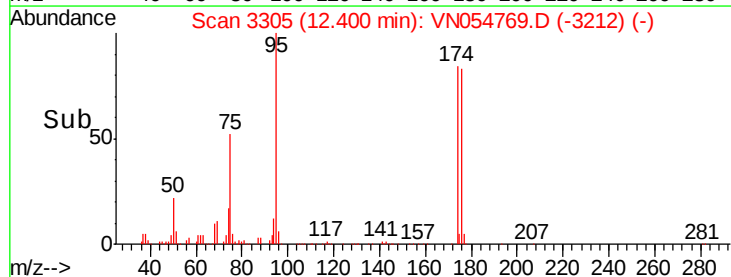
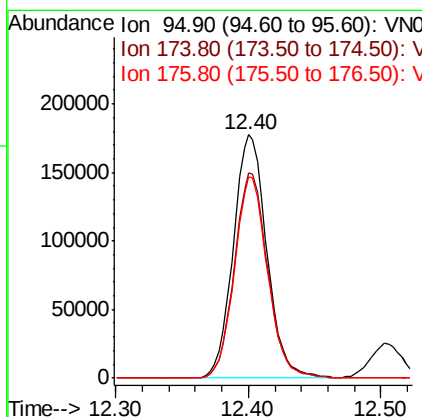
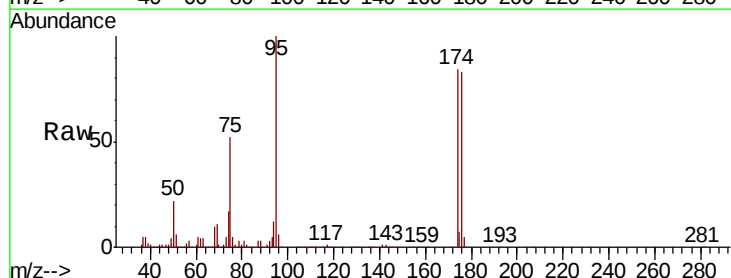
Manual Integrations
 APPROVED

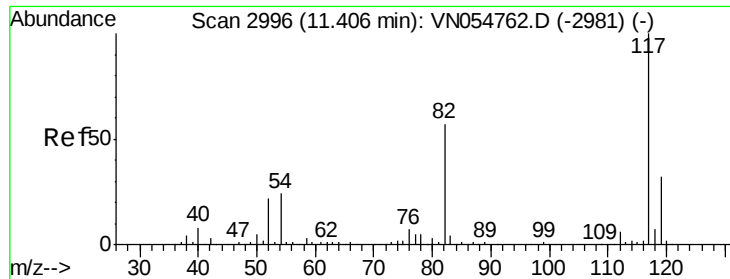
MMDadoda
 4/1/2019 4:00:34 PM



#62
 4-Bromofluorobenzene
 Concen: 52.453 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	191.0
176	81.7	0.0	187.4





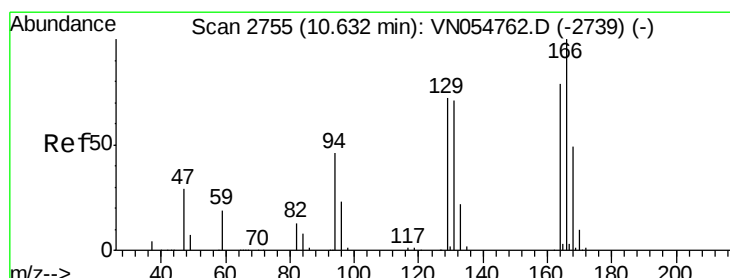
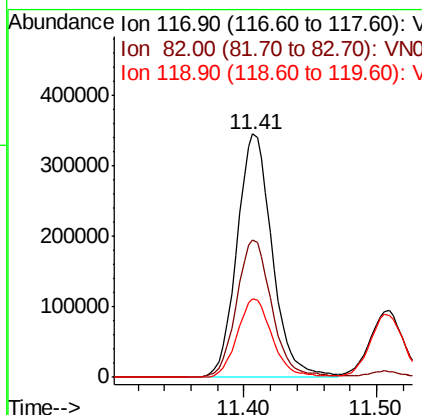
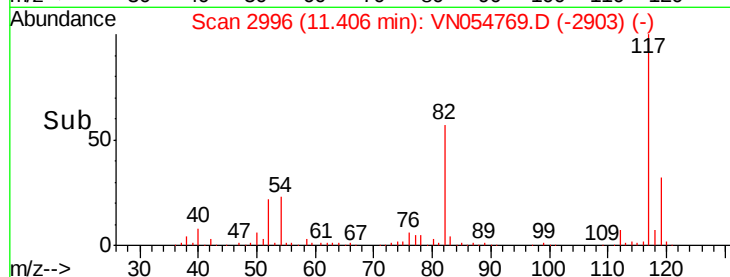
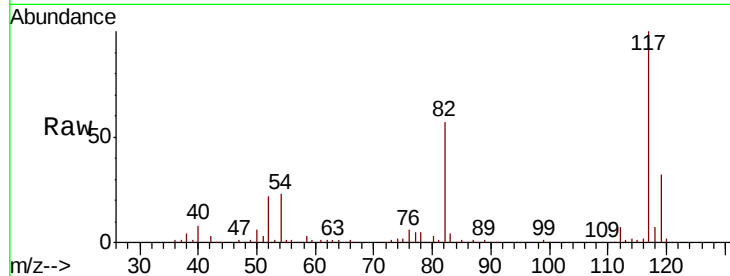
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	40.0	60.0
119	32.3	25.8	38.6

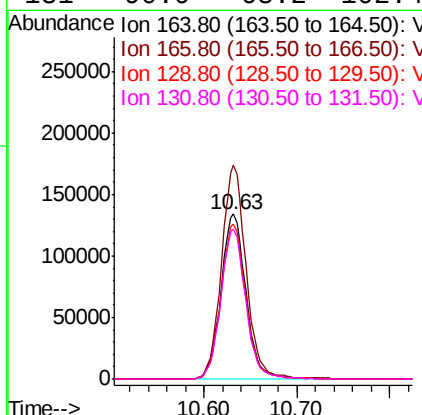
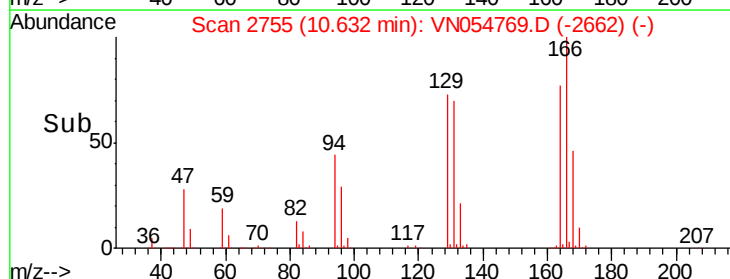
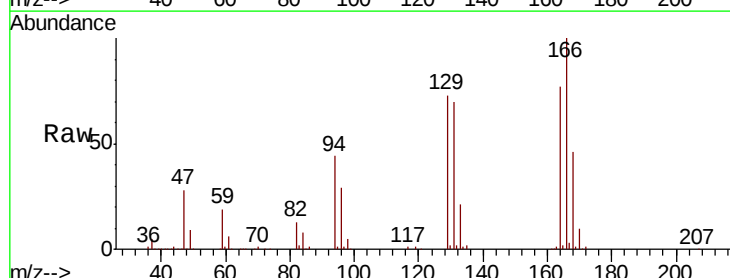
Manual Integrations
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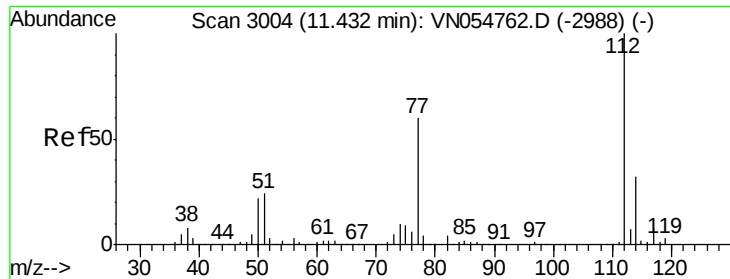
MMDadoda
4/1/2019 4:00:34 PM



#64
Tetrachloroethene
Concen: 51.090 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.9	155.9
129	94.0	71.1	106.7
131	90.9	68.2	102.4





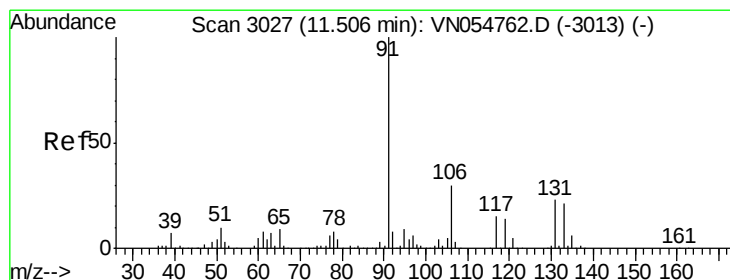
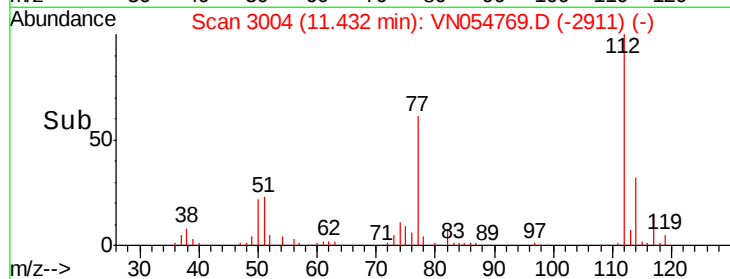
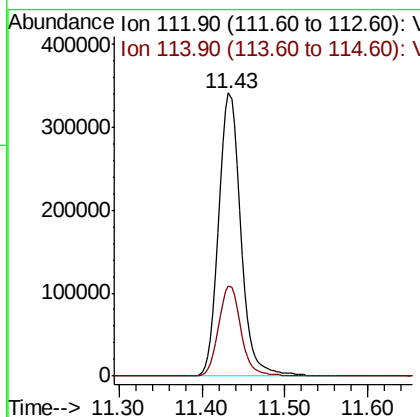
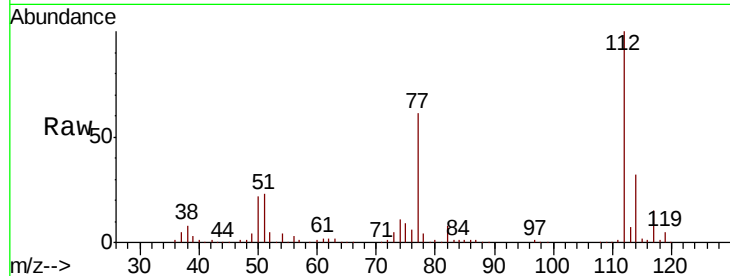
#65
Chlorobenzene
Concen: 50.391 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 630126
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9

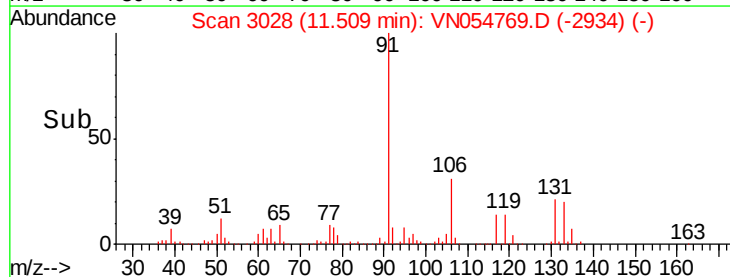
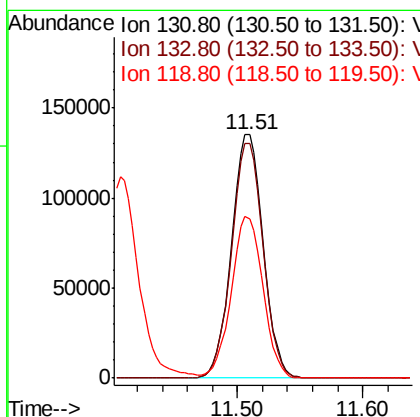
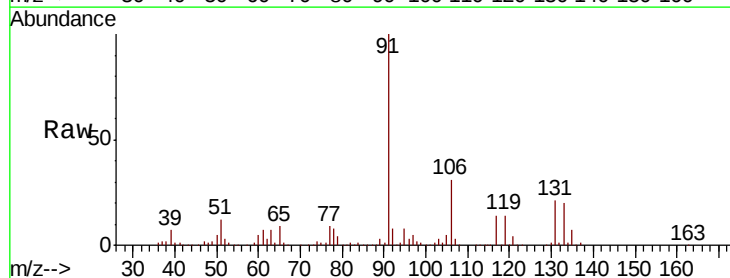
Manual Integrations
APPROVED

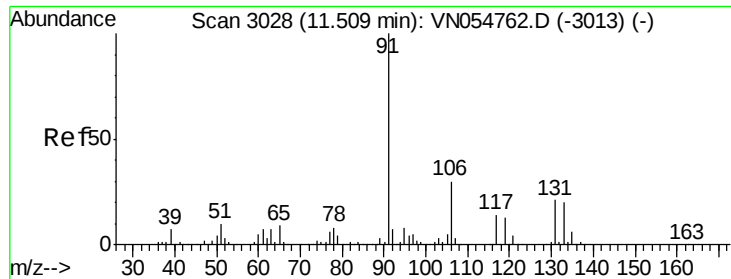
MMDadoda
4/1/2019 4:00:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.637 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion:131 Resp: 237004
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 66.6 32.4 97.0





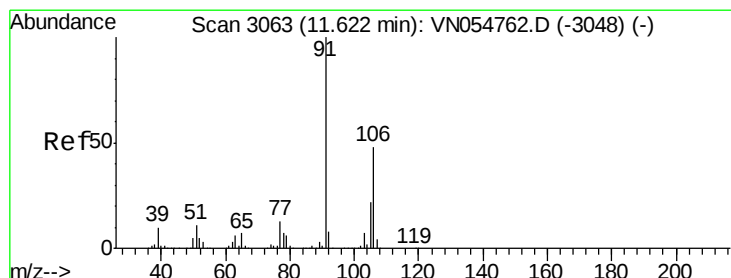
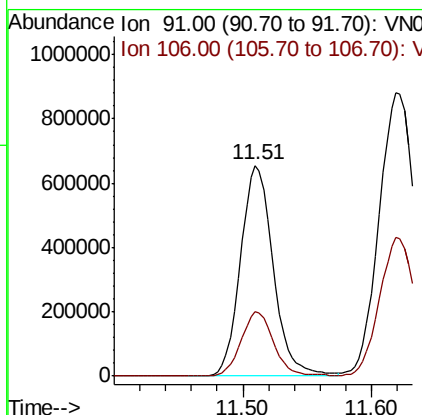
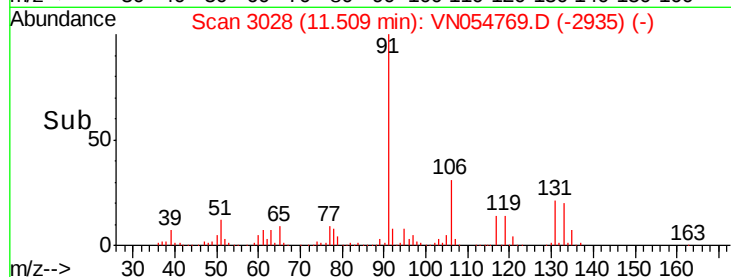
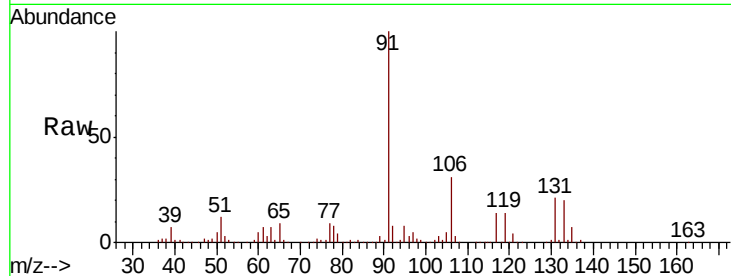
#67
Ethyl Benzene
Concen: 51.391 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1159640
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3

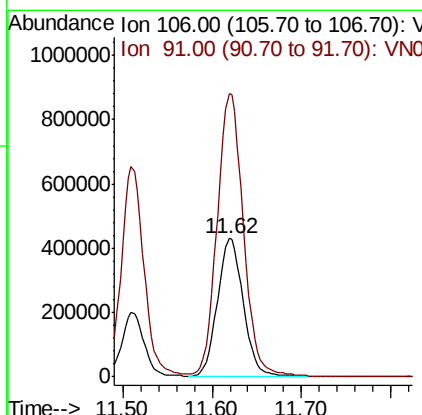
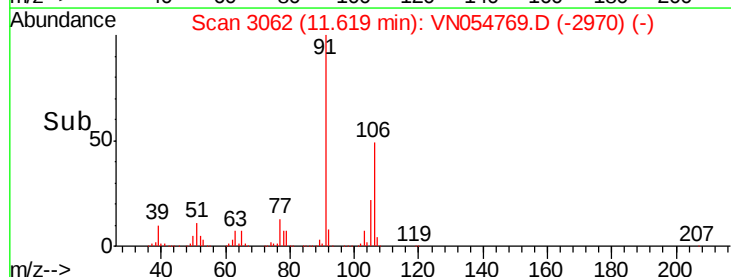
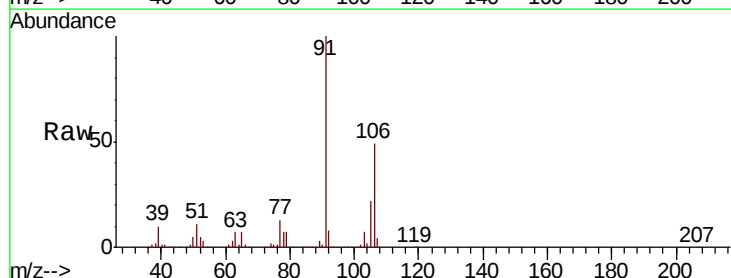
Manual Integrations
APPROVED

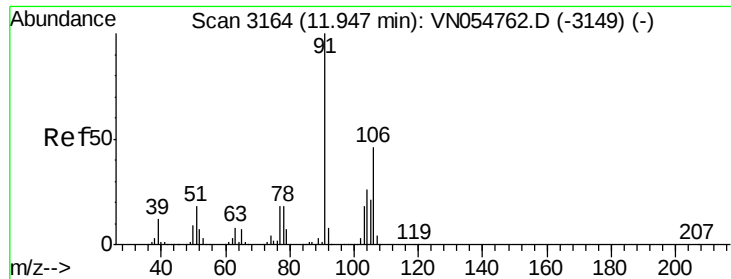
MMDadoda
4/1/2019 4:00:34 PM



#68
m/p-Xylenes
Concen: 104.000 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion: 106 Resp: 868457
Ion Ratio Lower Upper
106 100
91 207.7 159.4 239.2





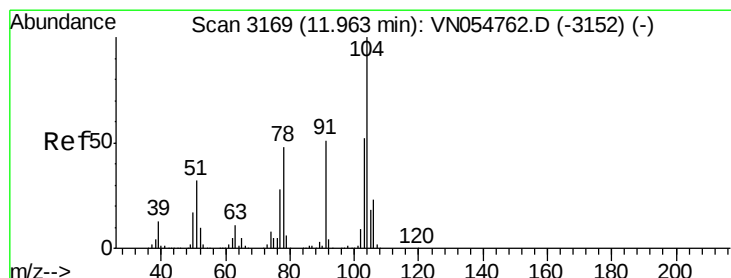
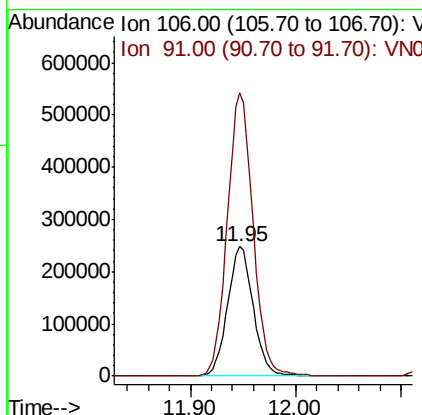
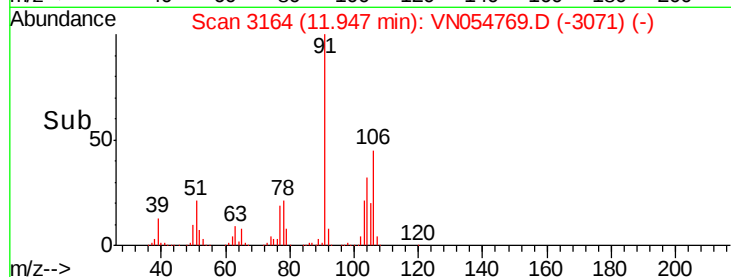
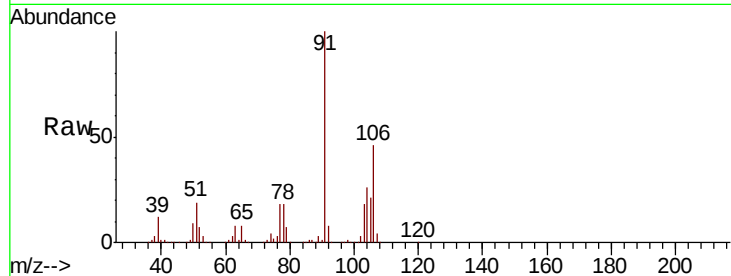
#69
o-Xylene
Concen: 51.046 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 417990
Ion Ratio Lower Upper
106 100
91 218.9 105.7 317.1

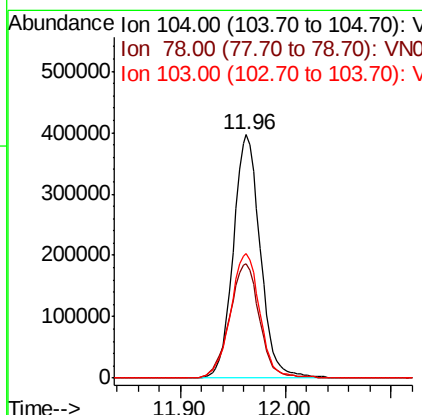
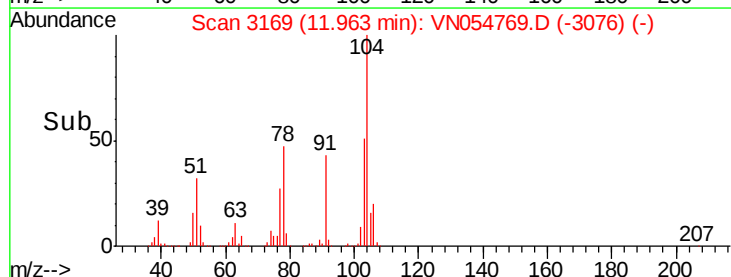
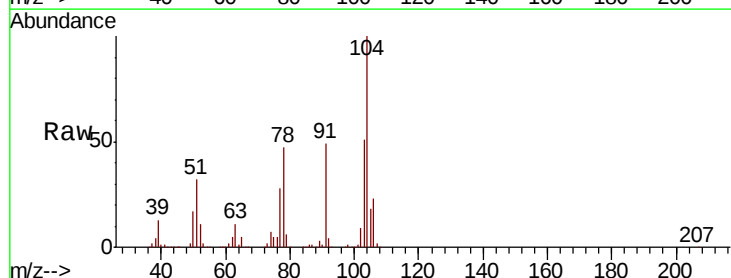
Manual Integrations
APPROVED

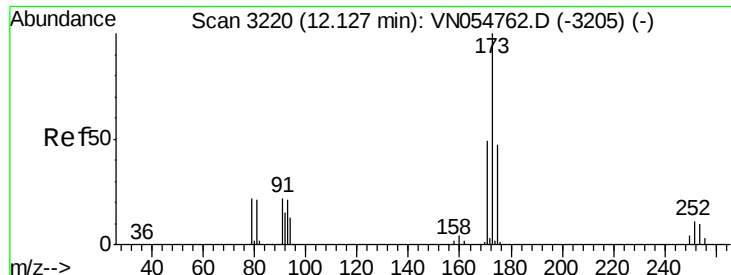
MMDadoda
4/1/2019 4:00:34 PM



#70
Styrene
Concen: 53.741 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion:104 Resp: 703614
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 54.971 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 150729

Ion Ratio Lower Upper

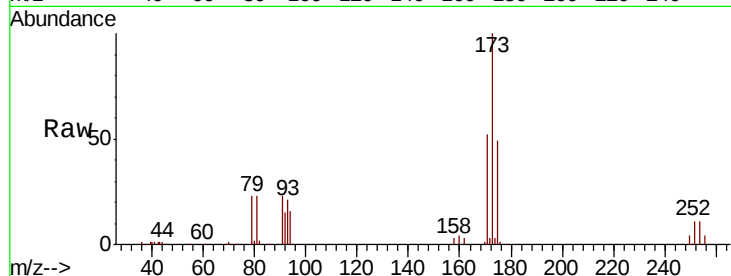
173 100

175 48.2 24.4 73.2

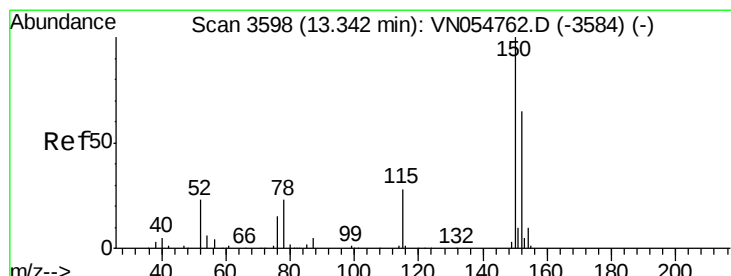
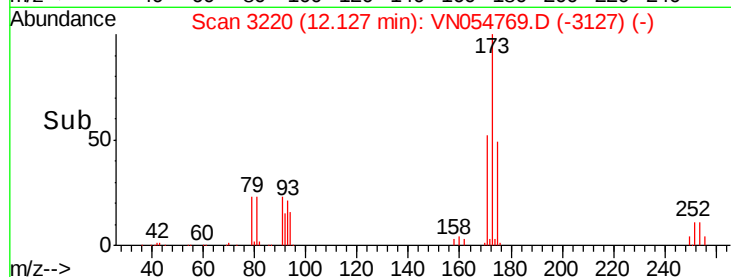
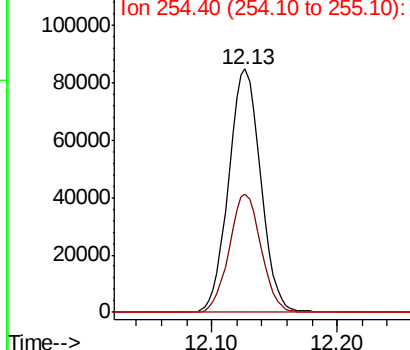
254 0.0 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

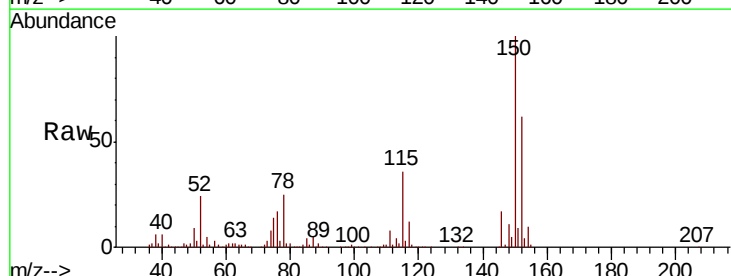
Tgt Ion:152 Resp: 291933

Ion Ratio Lower Upper

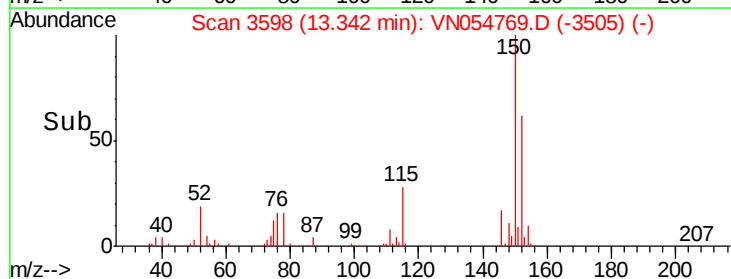
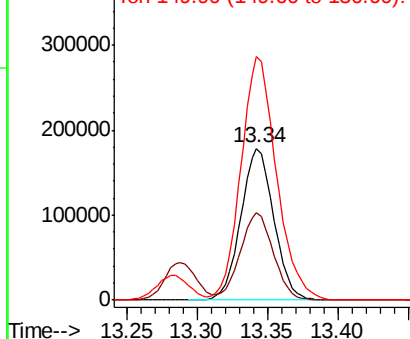
152 100

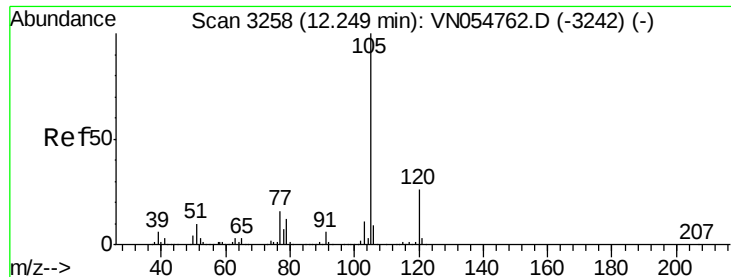
115 57.8 27.2 81.6

150 173.3 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.643 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1112974

Ion Ratio Lower Upper

105 100

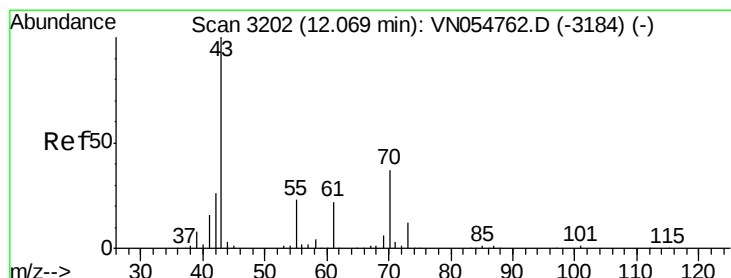
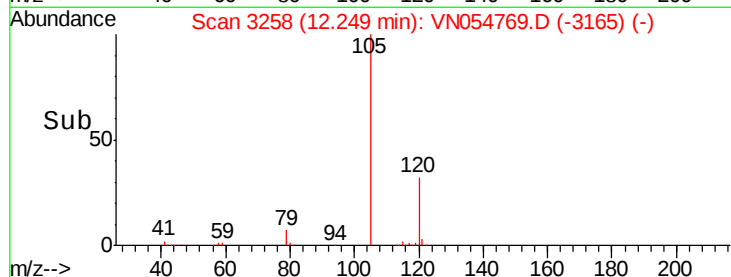
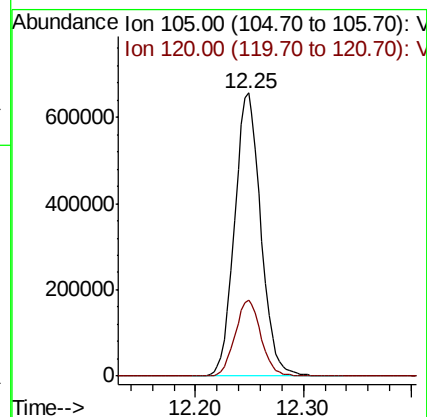
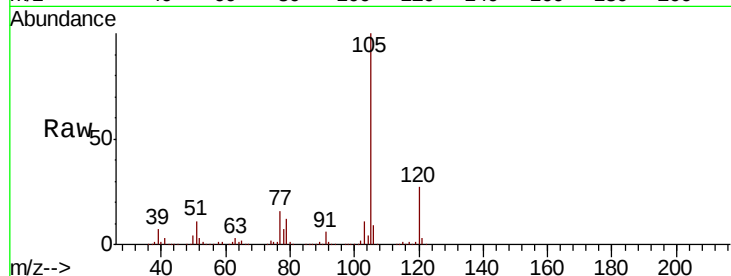
120 26.6 13.8 41.3

Manual Integrations

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4/1/2019 4:00:34 PM



#74

N-ethyl acetate

Concen: 49.994 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Tgt Ion: 43 Resp: 371648

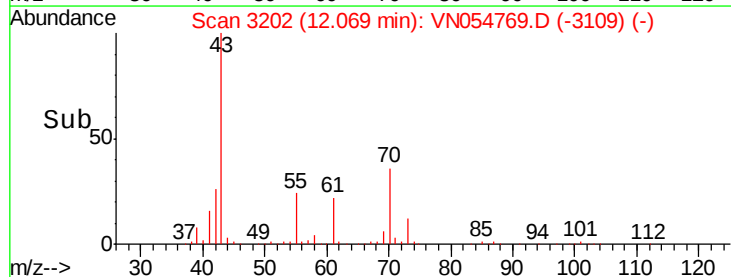
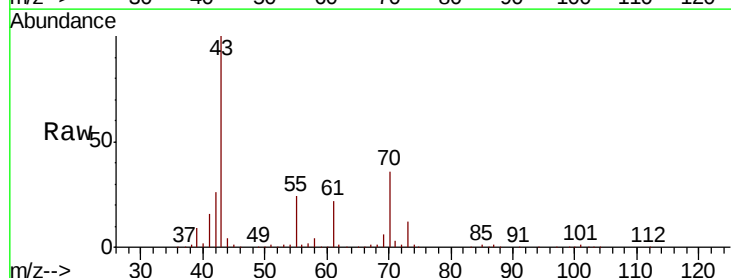
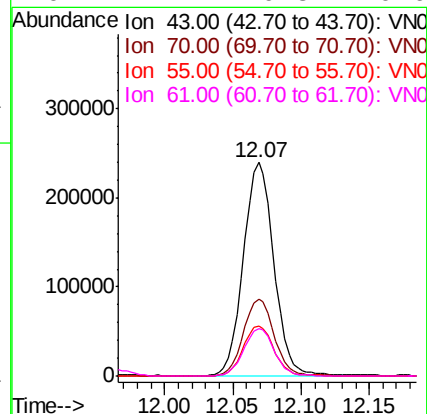
Ion Ratio Lower Upper

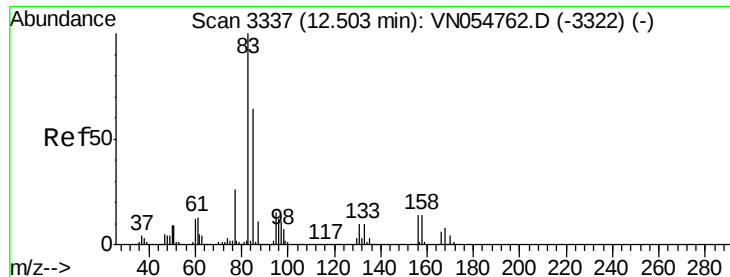
43 100

70 36.5 35.4 53.0

55 23.7 19.8 29.6

61 22.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 52.222 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

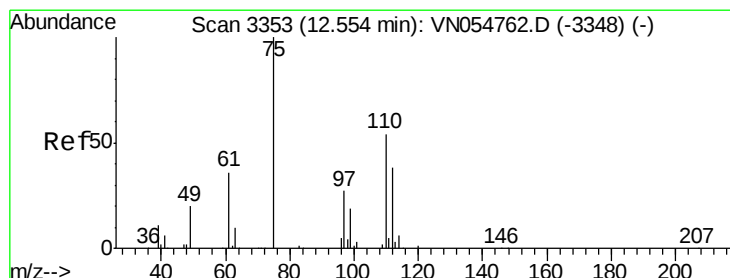
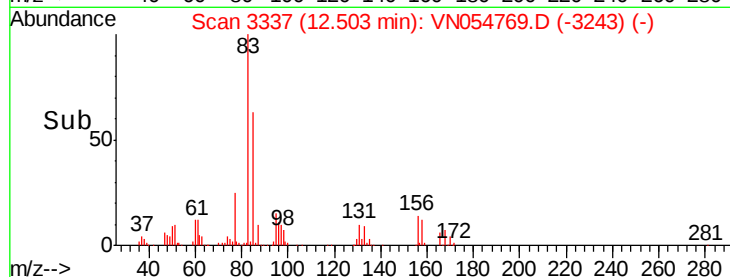
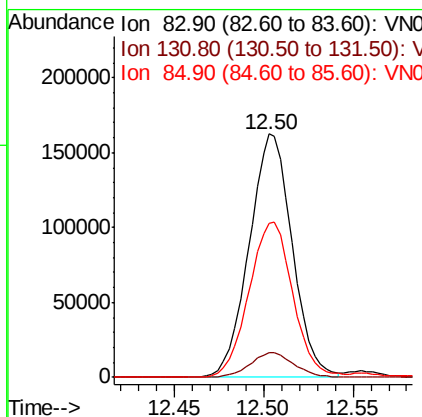
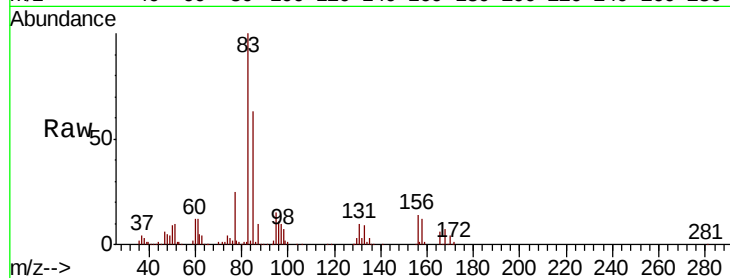
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	274293
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.8	17.4
85	64.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.868 ug/l m

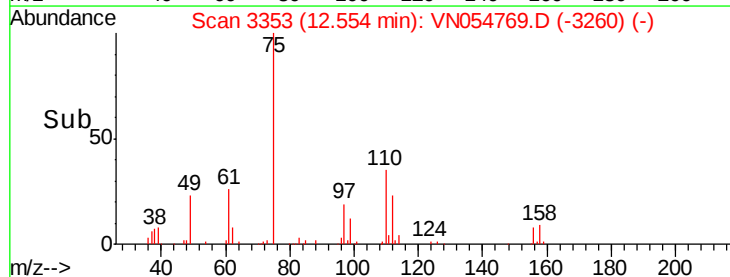
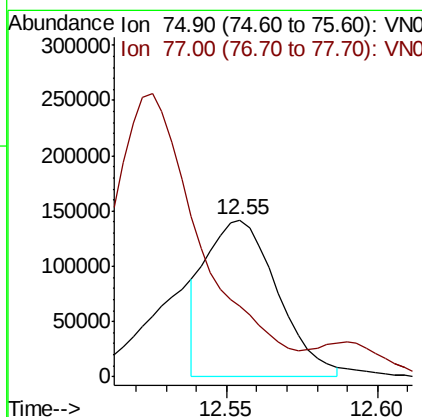
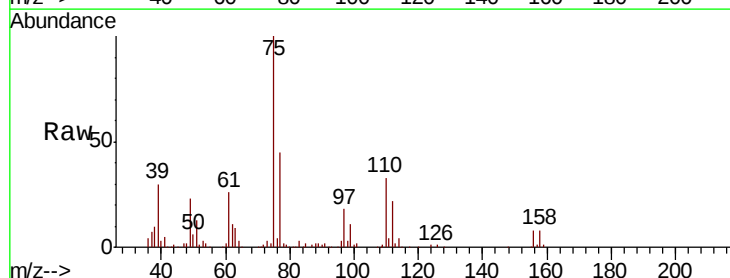
RT: 12.55 min Scan# 3353

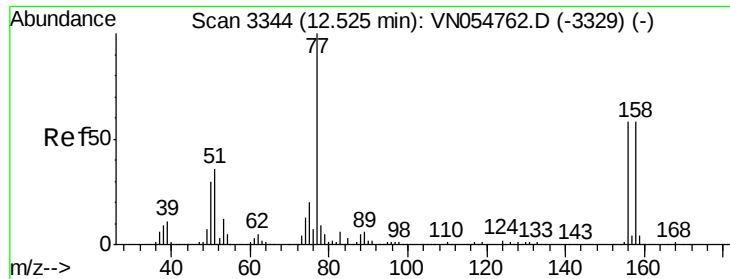
Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Tgt Ion:	75	Resp:	232621
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





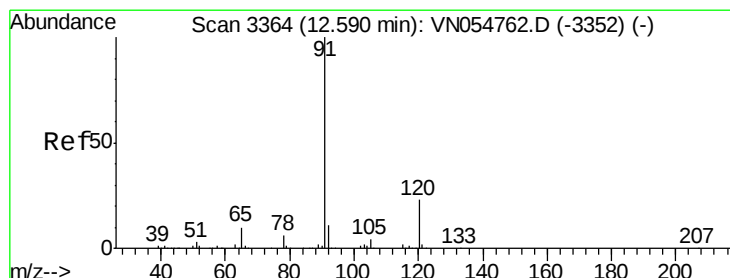
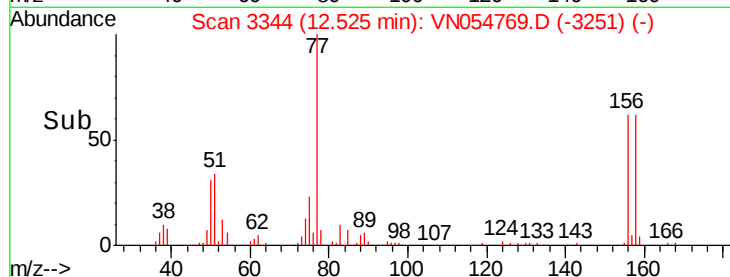
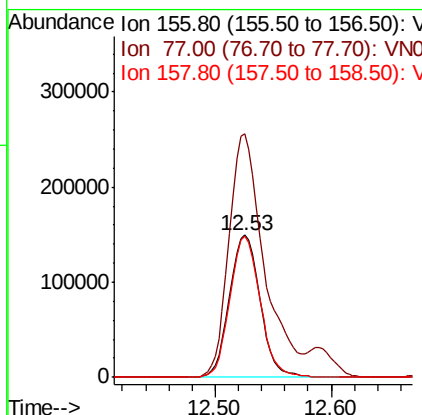
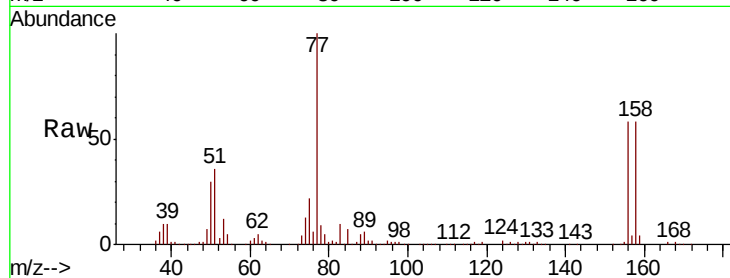
#77
Bromobenzene
Concen: 47.502 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.3	81.5	244.4
158	97.7	49.0	147.2

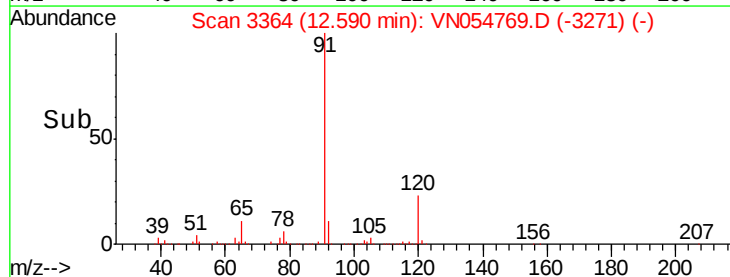
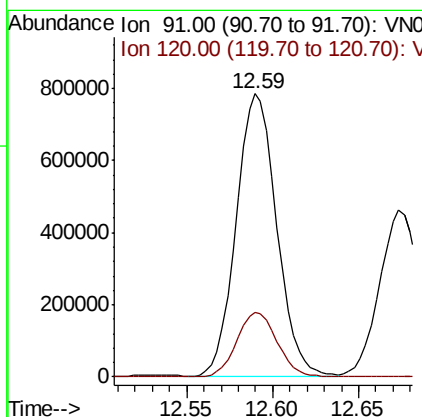
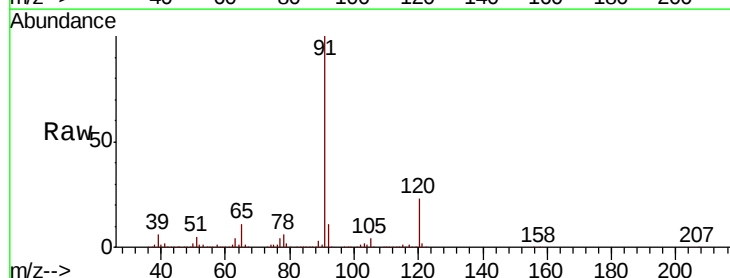
Manual Integrations
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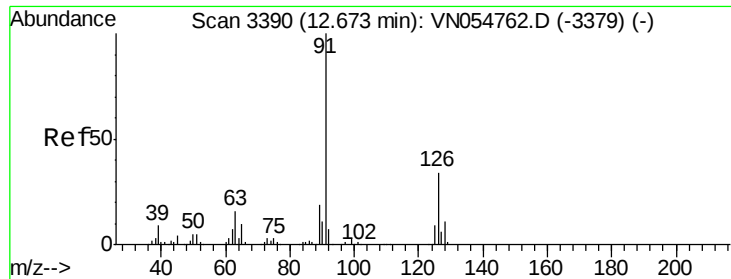
MMDadoda
4/1/2019 4:00:34 PM



#78
n-propylbenzene
Concen: 48.896 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	12.3	36.9





#79

2-Chlorotoluene

Concen: 47.560 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 771676

Ion Ratio Lower Upper

91 100

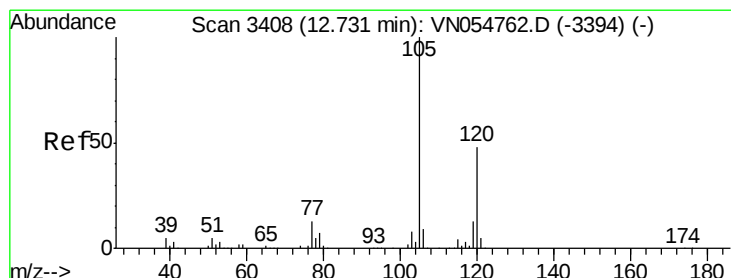
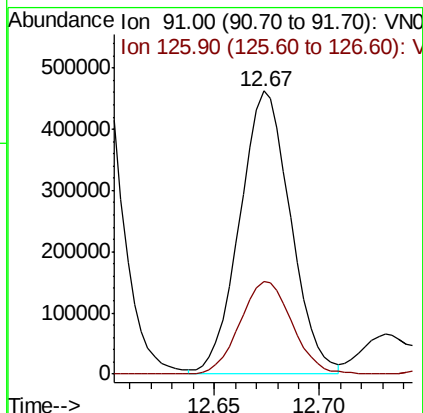
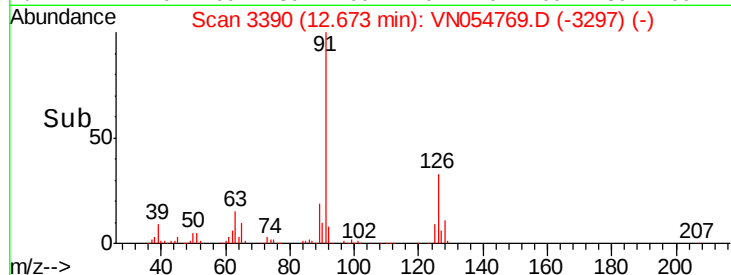
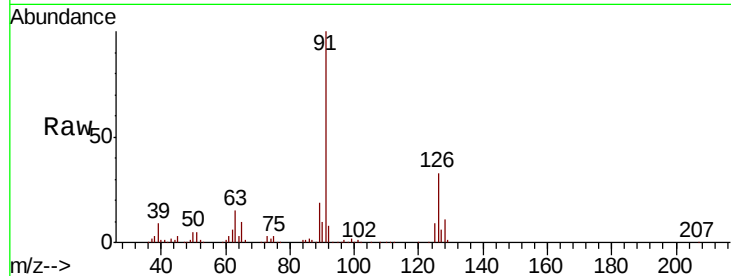
126 33.9 18.7 56.1

Manual Integrations

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4/1/2019 4:00:34 PM



#80

1,3,5-Trimethylbenzene

Concen: 47.848 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054769.D

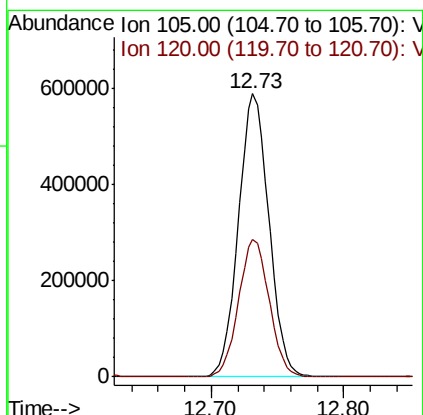
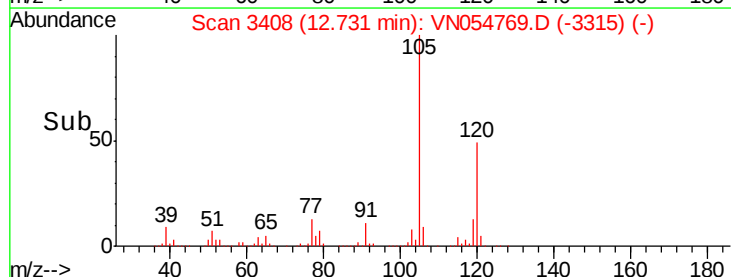
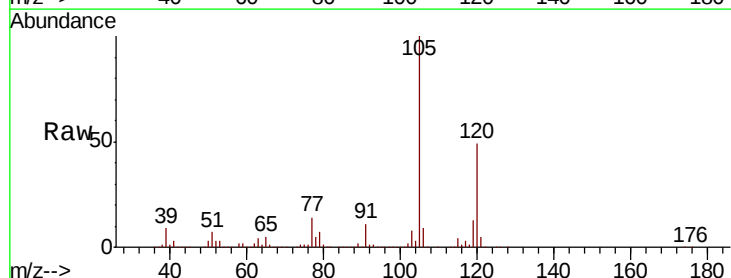
Acq: 29 Mar 2019 14:44

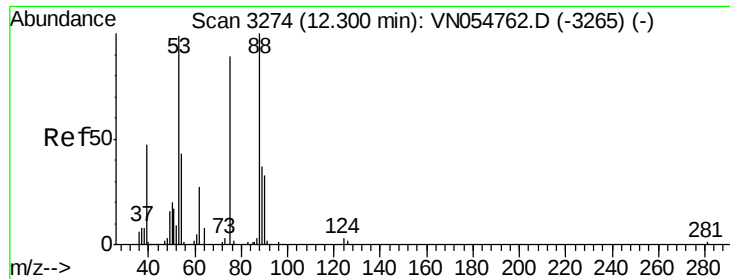
Tgt Ion: 105 Resp: 936823

Ion Ratio Lower Upper

105 100

120 48.9 25.0 75.0





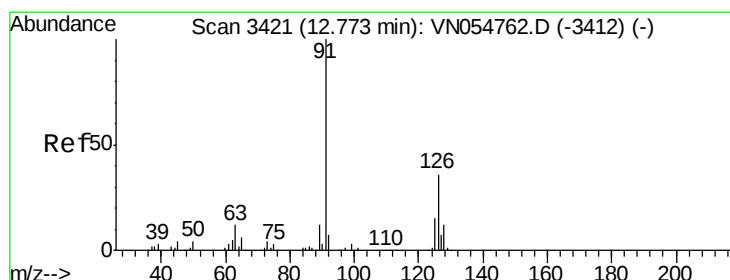
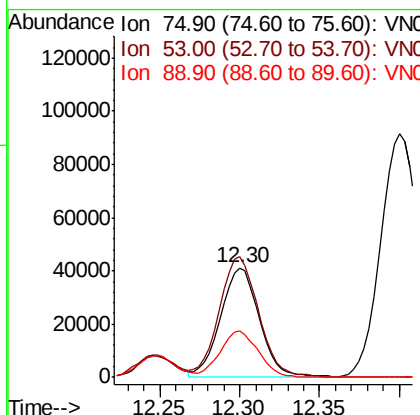
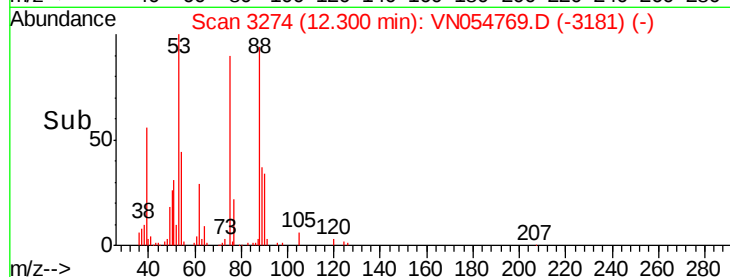
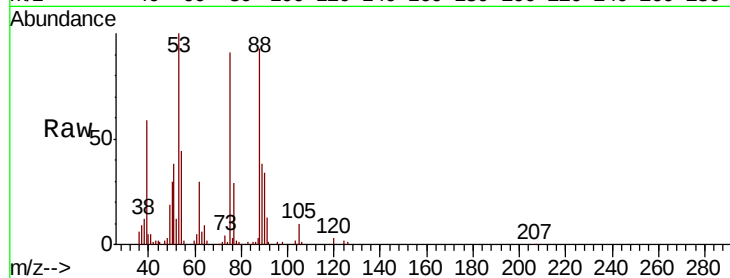
#81
trans-1,4-Dichloro-2-butene
Concen: 51.291 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.9	76.2	114.2
89	43.1	39.2	58.8

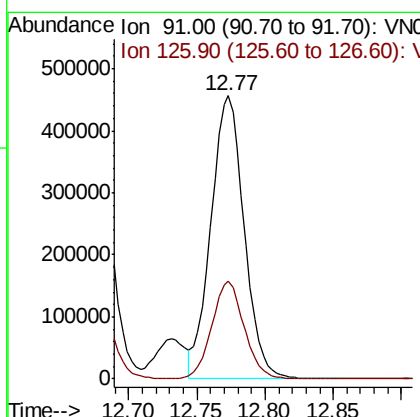
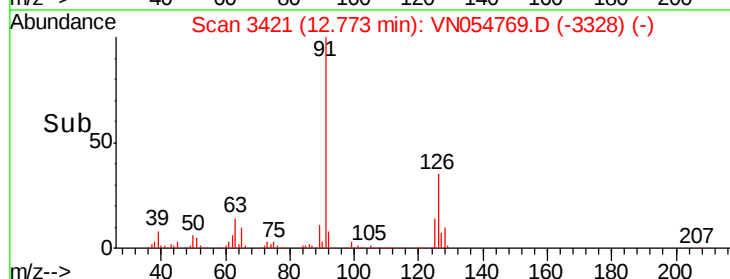
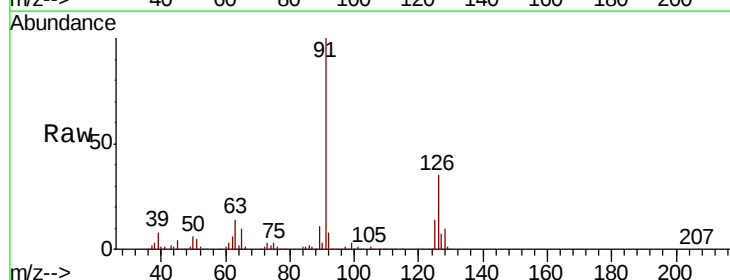
Manual Integrations
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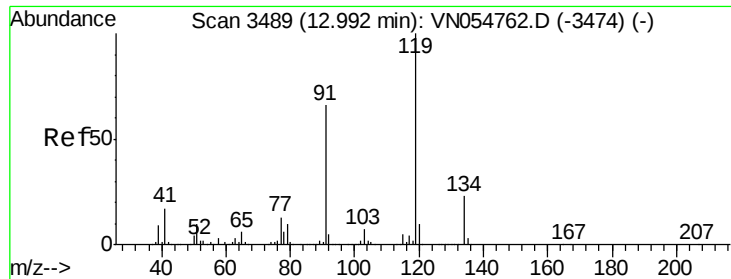
MMDadoda
4/1/2019 4:00:34 PM



#82
4-Chlorotoluene
Concen: 48.962 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	18.1	54.1





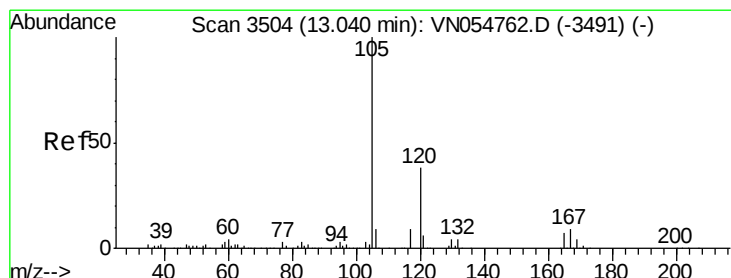
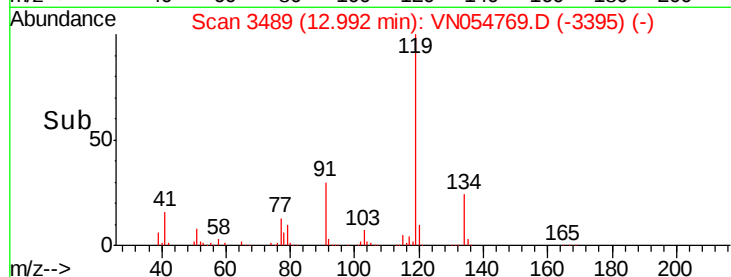
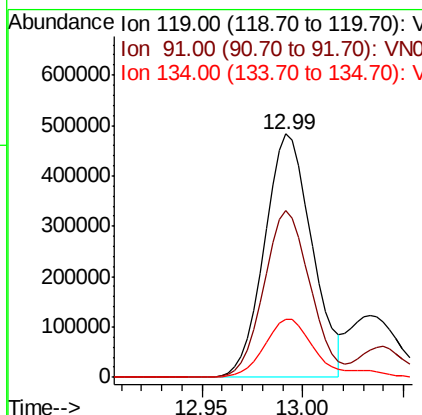
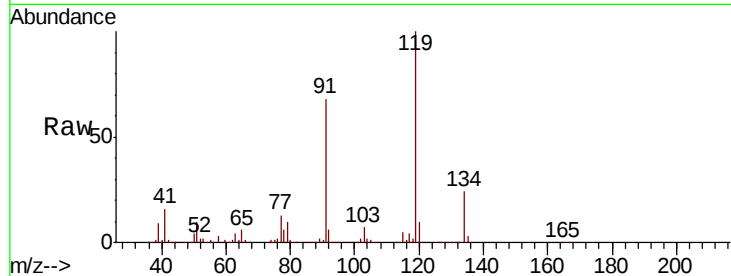
#83
tert-Butylbenzene
Concen: 52.242 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	30.9	92.8
134	26.3	13.2	39.6

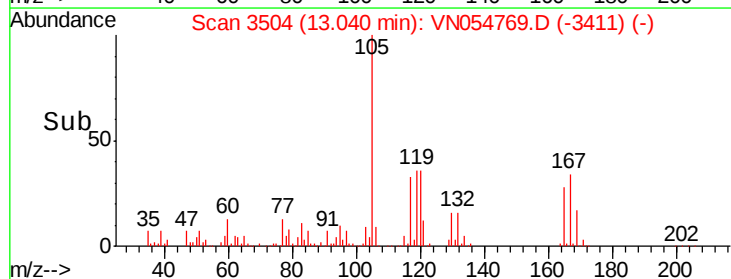
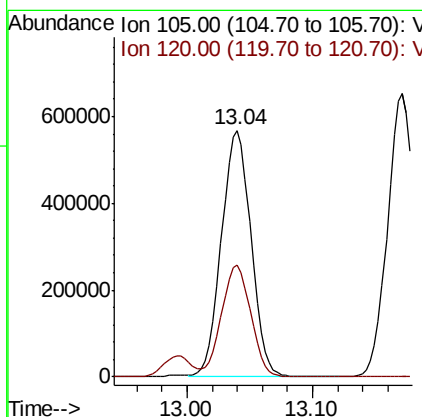
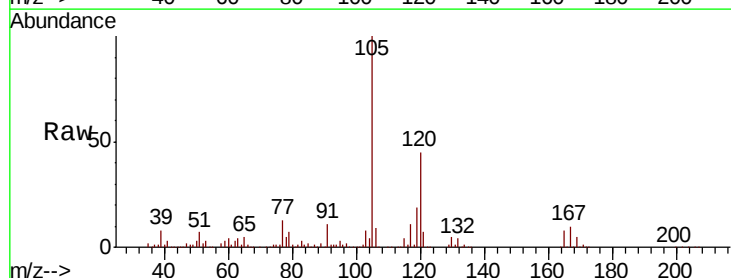
Manual Integrations
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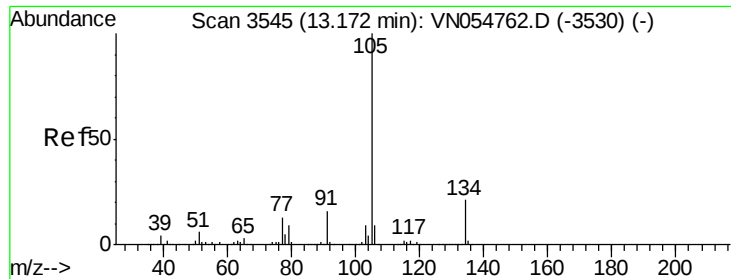
MMDadoda
4/1/2019 4:00:34 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.739 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.759 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1037062

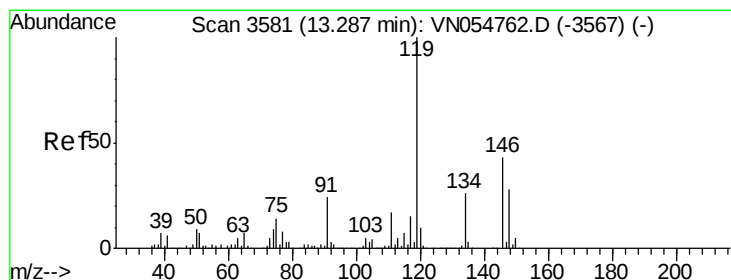
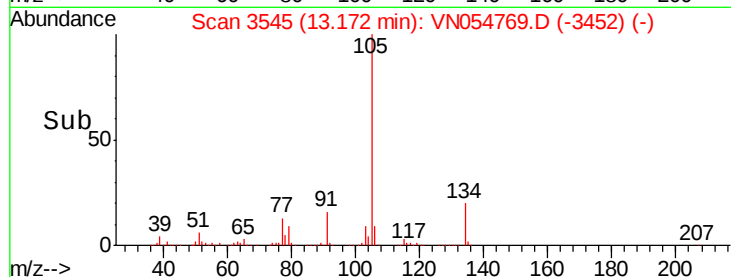
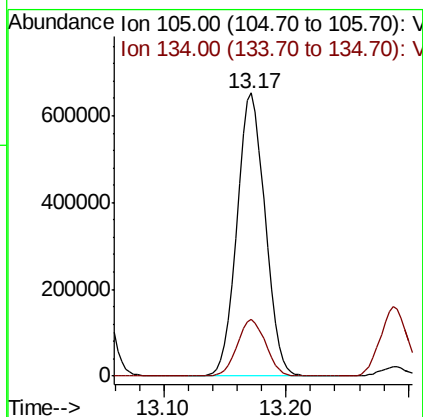
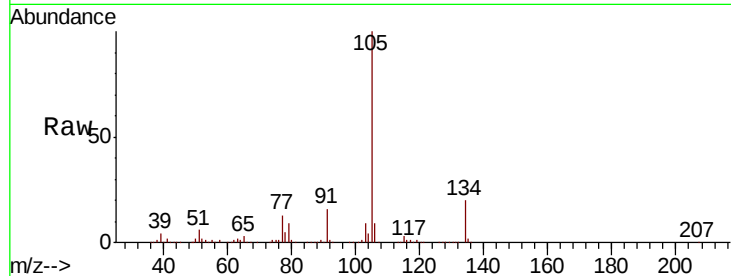
Ion Ratio Lower Upper

105 100

134 20.2 10.7 32.1

Manual Integrations
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4/1/2019 4:00:34 PM



#86

p-Isopropyltoluene

Concen: 49.656 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054769.D

Acq: 29 Mar 2019 14:44

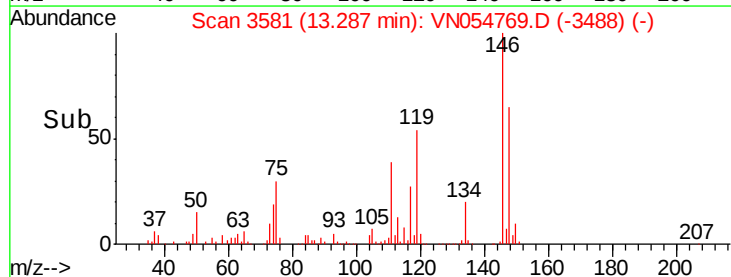
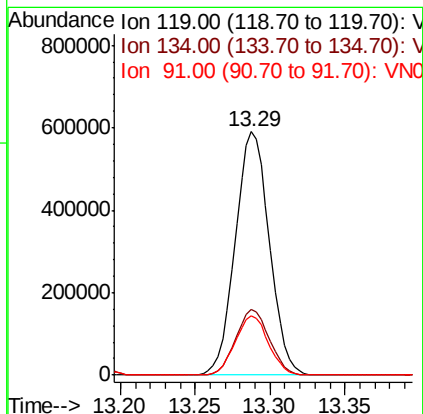
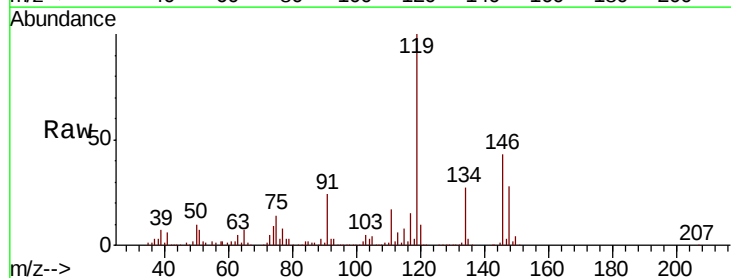
Tgt Ion:119 Resp: 931504

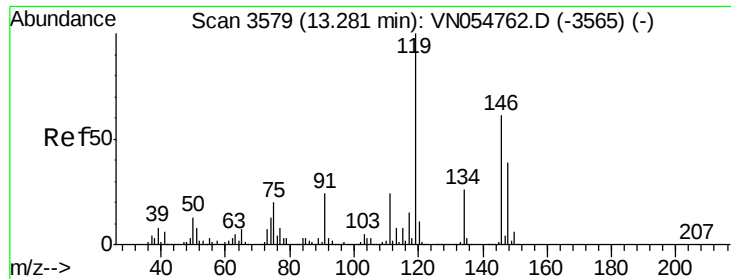
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 24.0 11.1 33.3





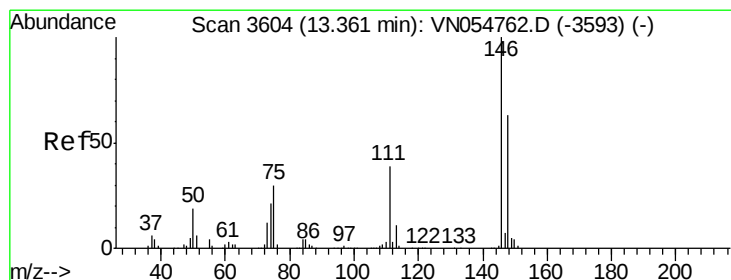
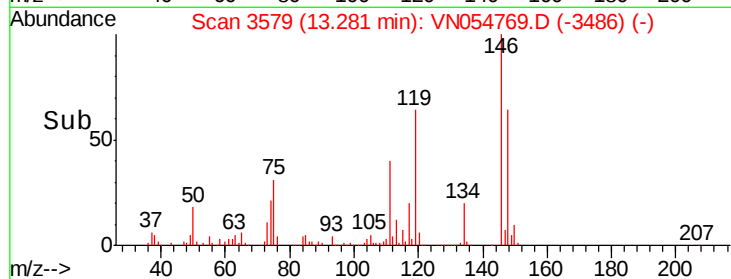
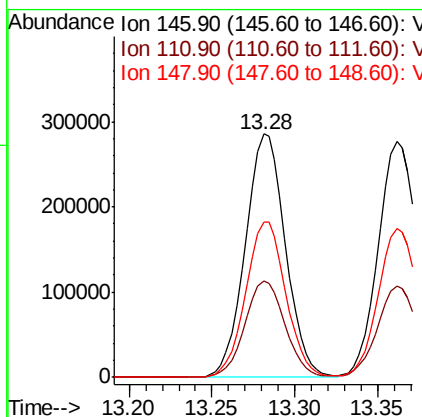
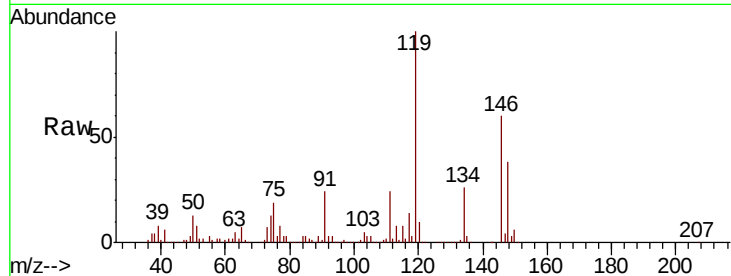
#87
 1,3-Dichlorobenzene
 Concen: 49.753 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	63.8	32.2	96.6

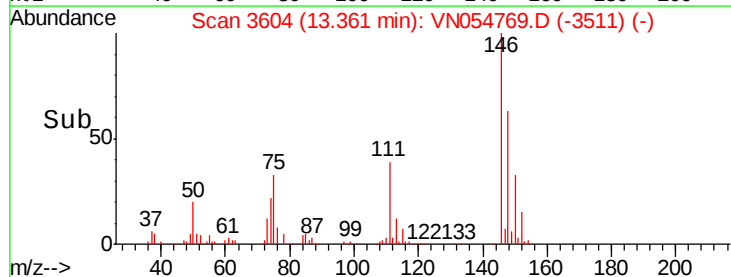
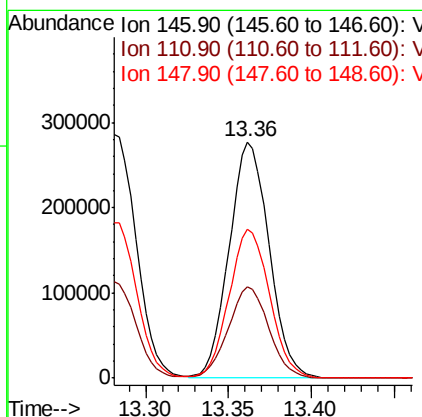
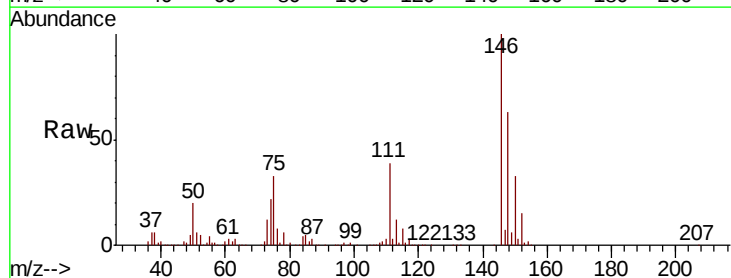
Manual Integrations
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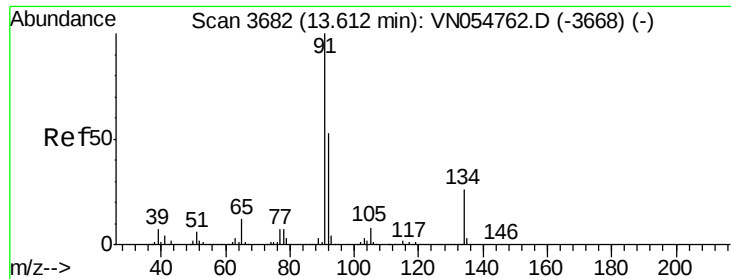
MMDadoda
 4/1/2019 4:00:34 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.005 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.1	54.1
148	63.8	32.0	96.0





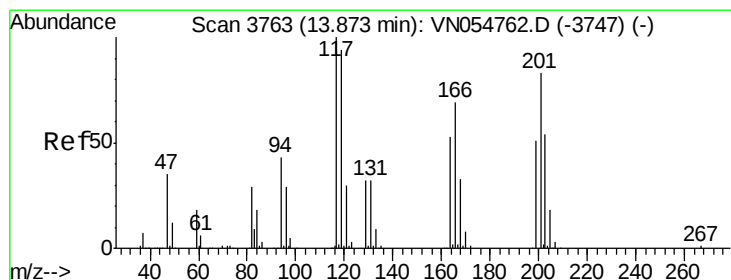
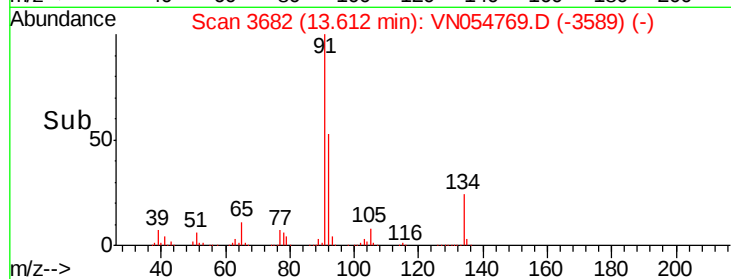
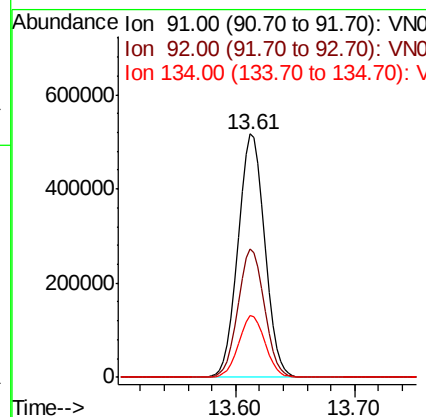
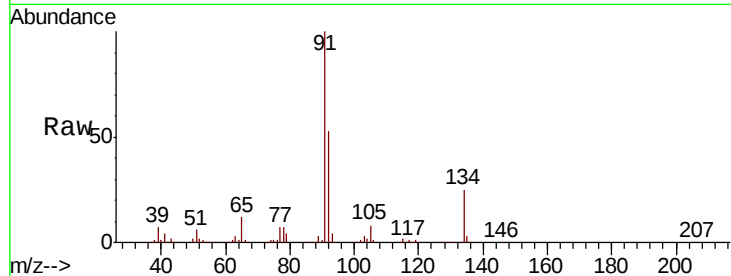
#89
n-Butylbenzene
Concen: 52.463 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.6
134	25.3	14.3	42.9

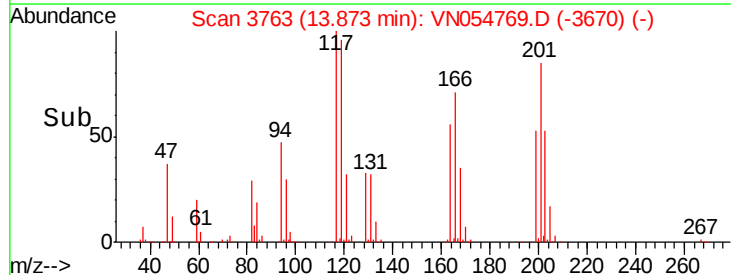
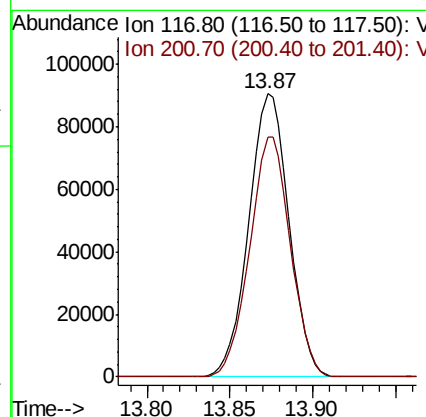
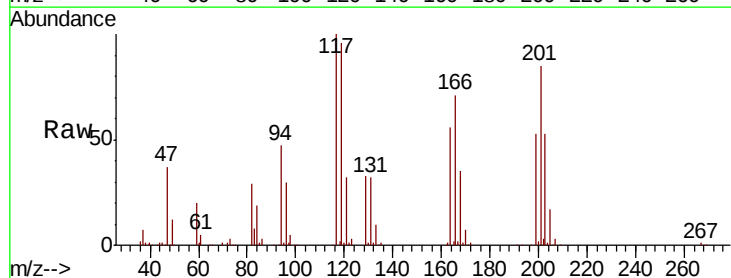
Manual Integrations
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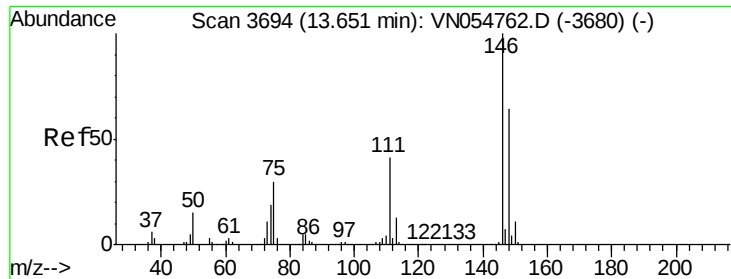
MMDadoda
4/1/2019 4:00:34 PM



#90
Hexachloroethane
Concen: 47.926 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	48.1	144.4





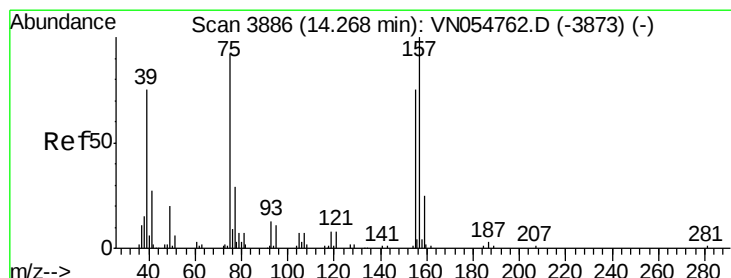
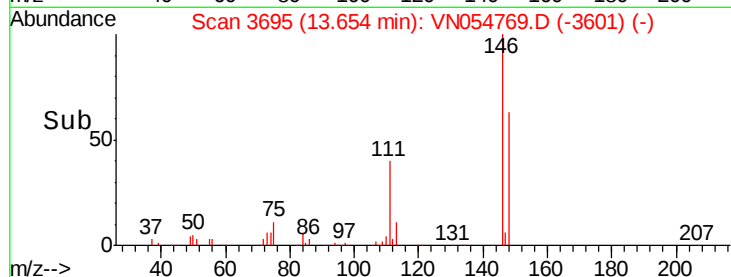
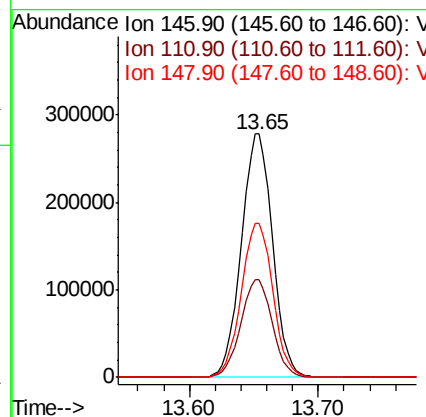
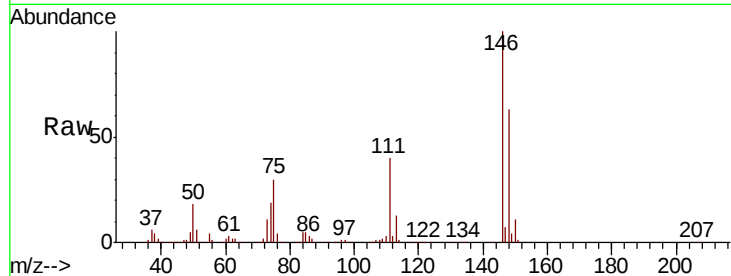
#91
 1,2-Dichlorobenzene
 Concen: 48.142 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.3
148	63.8	32.4	97.0

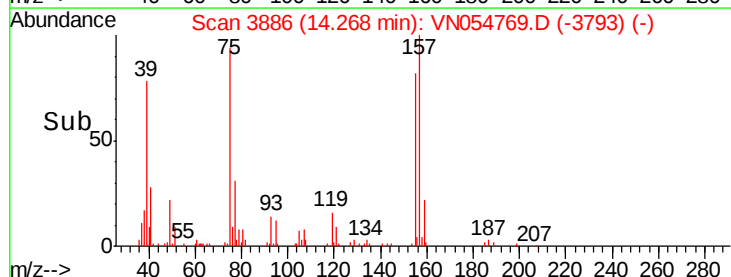
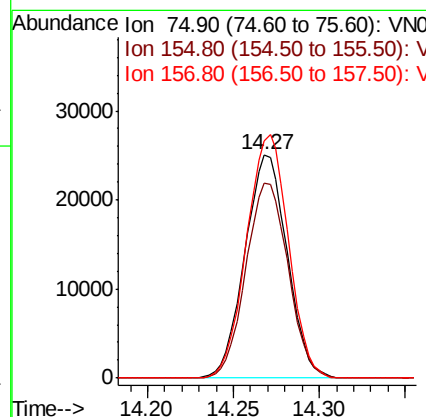
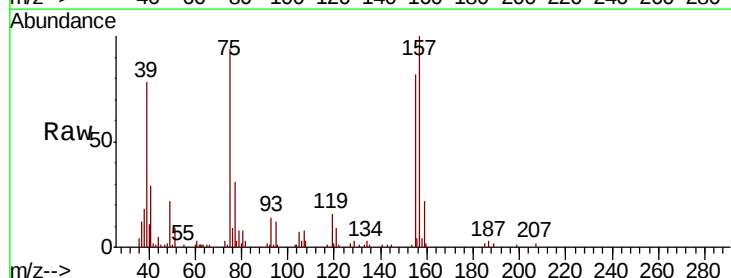
Manual Integrations
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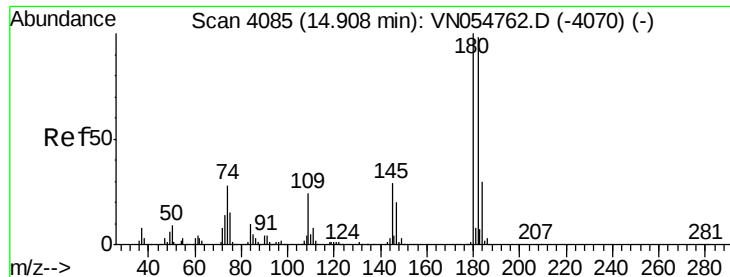
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.514 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	50.1	150.3
157	107.7	63.1	189.3





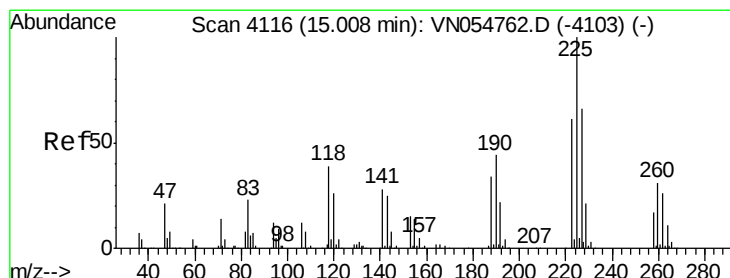
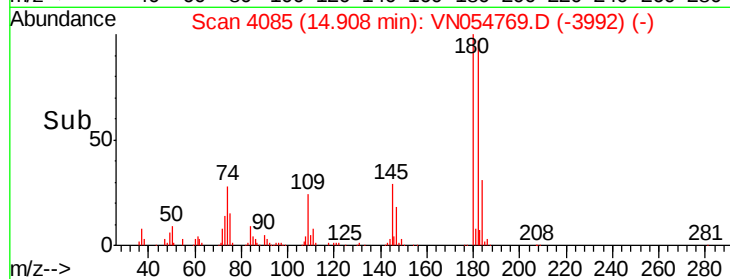
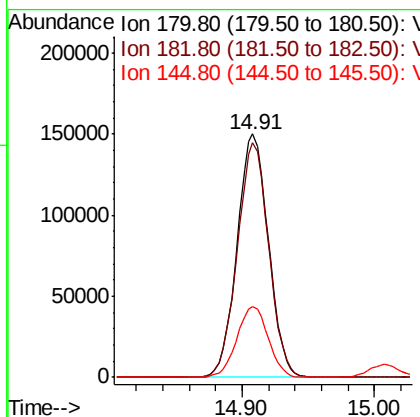
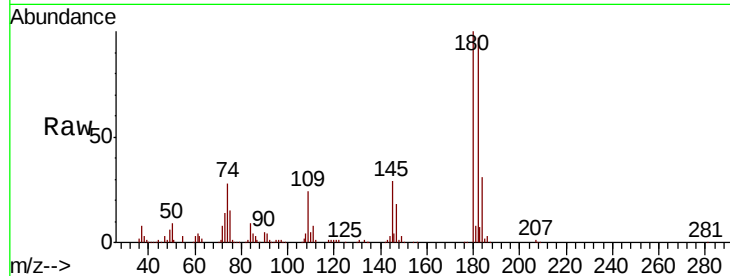
#93
 1,2,4-Trichlorobenzene
 Concen: 52.482 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	246203		
182	96.5	48.0	144.2	
145	29.3	14.2	42.8	

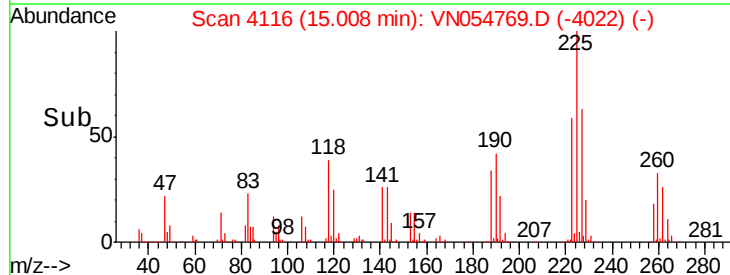
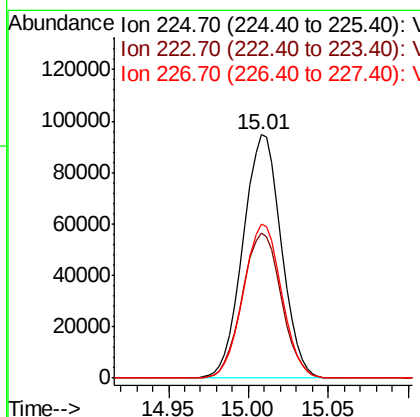
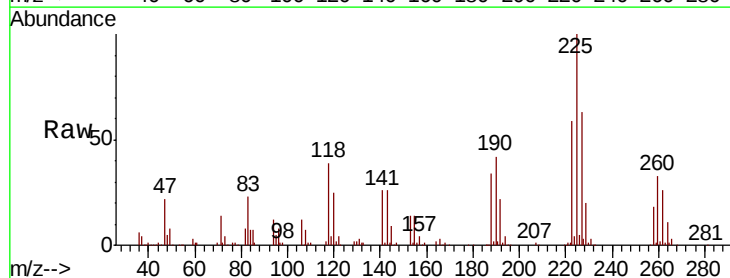
Manual Integrations
 APPROVED

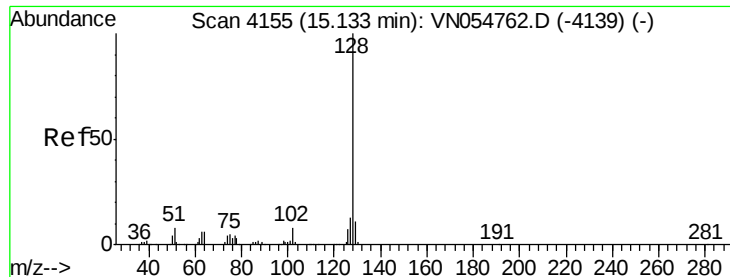
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#94
 Hexachlorobutadiene
 Concen: 55.924 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054769.D
 Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154681		
223	60.7	31.1	93.5	
227	63.2	31.9	95.9	





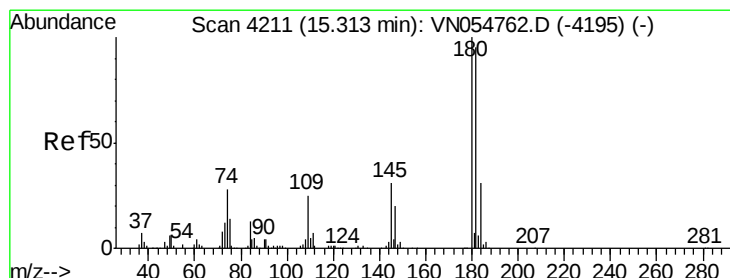
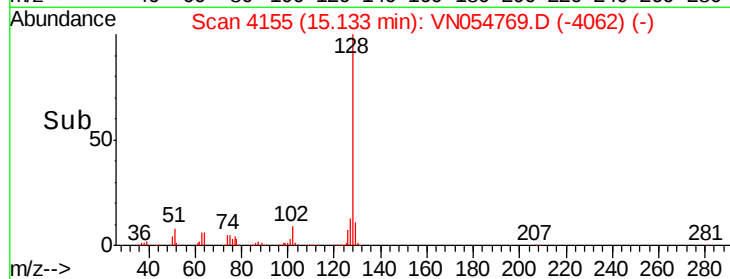
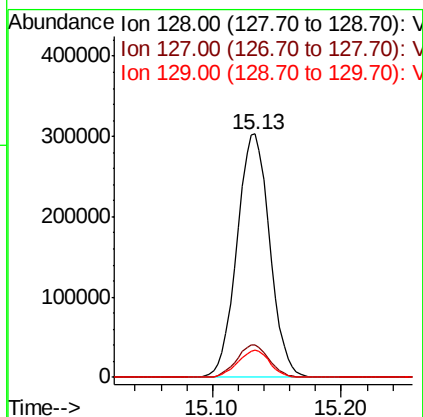
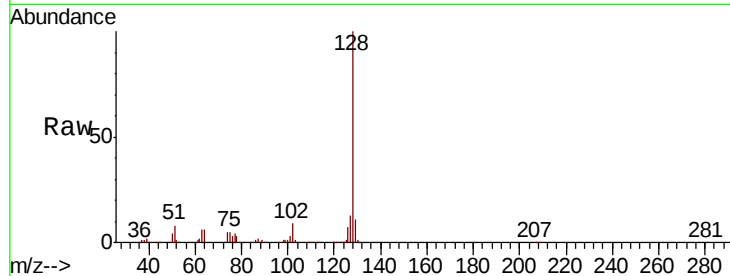
#95
Naphthalene
Concen: 50.816 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.059 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054769.D
Acq: 29 Mar 2019 14:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.6
145	31.0	14.8	44.3

