

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054409.D
 Acq On : 18 Mar 2019 23:06
 Operator : JC/SP
 Sample : VN0318WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:22:38 AM

Quant Time: Mar 19 07:09:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1186381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1829653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1592521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	717899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	639762	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.59	113	603737	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.09	98	2148128	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	709560	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	225068	20.017	ug/l	98
3) Chloromethane	2.06	50	214647	19.653	ug/l	100
4) Vinyl Chloride	2.19	62	242173	19.399	ug/l	98
5) Bromomethane	2.57	94	167918	19.422	ug/l	98
6) Chloroethane	2.71	64	144098	19.078	ug/l	100
7) Trichlorofluoromethane	3.02	101	312511	18.829	ug/l	98
8) Diethyl Ether	3.41	74	161914	21.408	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	249353	20.049	ug/l	99
10) Methyl Iodide	3.94	142	330297	19.637	ug/l	98
11) Tert butyl alcohol	4.82	59	77012	89.161	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	249920	20.277	ug/l	97
13) Acrolein	3.61	56	56230	68.701	ug/l	99
14) Allyl chloride	4.32	41	307786	19.463	ug/l	99
15) Acrylonitrile	5.00	53	396895	111.864	ug/l	99
16) Acetone	3.82	43	275017	76.235	ug/l	100
17) Carbon Disulfide	4.04	76	492191	15.930	ug/l	98
18) Methyl Acetate	4.33	43	185533	25.420	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	655175	21.446	ug/l	99
20) Methylene Chloride	4.54	84	254481	21.484	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	242574	20.541	ug/l	100
22) Diisopropyl ether	5.96	45	681741	21.601	ug/l	98
23) Vinyl Acetate	5.90	43	2311240	99.321	ug/l	99
24) 1,1-Dichloroethane	5.85	63	435123	21.472	ug/l	99
25) 2-Butanone	6.85	43	442215	104.441	ug/l	99
26) 2,2-Dichloropropane	6.82	77	258269	14.492	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	288038	21.863	ug/l	95
28) Bromochloromethane	7.19	49	171843	20.743	ug/l	98
29) Tetrahydrofuran	7.22	42	297746	109.370	ug/l	98
30) Chloroform	7.37	83	466328	22.052	ug/l	99
31) Cyclohexane	7.65	56	382211	19.423	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	387581	20.294	ug/l	99
36) 1,1-Dichloropropene	7.79	75	322070	19.114	ug/l	98
37) Ethyl Acetate	6.94	43	191073	19.736	ug/l	98
38) Carbon Tetrachloride	7.77	117	334994	18.959	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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Quant Time: Mar 19 07:09:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363773	17.547	ug/l	99
40) Benzene	8.04	78	1036811	21.503	ug/l	99
41) Methacrylonitrile	7.18	41	104698	18.940	ug/l	92
42) 1,2-Dichloroethane	8.12	62	338014	20.764	ug/l	99
43) Isopropyl Acetate	8.17	43	315608	18.572	ug/l	98
44) Trichloroethene	8.83	130	304072	20.301	ug/l	99
45) 1,2-Dichloropropane	9.12	63	264481	22.090	ug/l	98
46) Dibromomethane	9.21	93	171198	21.163	ug/l	99
47) Bromodichloromethane	9.40	83	328933	20.283	ug/l	99
48) Methyl methacrylate	9.20	41	175543	20.355	ug/l	99
49) 1,4-Dioxane	9.20	88	52155	427.548	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	956181	106.323	ug/l	99
52) Toluene	10.16	92	634676	20.760	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	277694	16.363	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	352669	18.662	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249310	22.333	ug/l	98
56) Ethyl methacrylate	10.43	69	268749	20.190	ug/l	97
57) 1,3-Dichloropropane	10.71	76	394965	21.638	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	505421	98.459	ug/l	99
59) 2-Hexanone	10.75	43	579209	96.792	ug/l	97
60) Dibromochloromethane	10.90	129	246904	19.650	ug/l	99
61) 1,2-Dibromoethane	11.01	107	236682	20.864	ug/l	98
64) Tetrachloroethene	10.63	164	315041	20.461	ug/l	99
65) Chlorobenzene	11.43	112	732516	20.948	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	263533	20.746	ug/l	99
67) Ethyl Benzene	11.51	91	1191028	20.548	ug/l	100
68) m/p-Xylenes	11.62	106	932350	41.154	ug/l	99
69) o-Xylene	11.95	106	471934	21.369	ug/l	97
70) Styrene	11.96	104	714561	20.630	ug/l	99
71) Bromoform	12.13	173	154703	17.576	ug/l #	99
73) Isopropylbenzene	12.25	105	1212236	21.106	ug/l	99
74) N-amyl acetate	12.07	43	251234	19.706	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	275470	22.511	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	224735m	21.288	ug/l	
77) Bromobenzene	12.53	156	323140	21.261	ug/l	98
78) n-propylbenzene	12.59	91	1290942	20.714	ug/l	99
79) 2-Chlorotoluene	12.67	91	792753	21.156	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	975128	20.411	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42164	13.653	ug/l #	84
82) 4-Chlorotoluene	12.77	91	770176	20.583	ug/l	100
83) tert-Butylbenzene	12.99	119	915405	20.817	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	986589	21.050	ug/l	100
85) sec-Butylbenzene	13.17	105	1116456	19.577	ug/l	100
86) p-Isopropyltoluene	13.29	119	959736	19.183	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	529818	20.688	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	501252	19.924	ug/l	98
89) n-Butylbenzene	13.61	91	668719	17.591	ug/l	99
90) Hexachloroethane	13.87	117	147439	17.797	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	539661	21.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36314	19.177	ug/l	95

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 ClientSampleId :
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	233678	17.198	ug/l	98
94) Hexachlorobutadiene	15.01	225	157419	16.507	ug/l	98
95) Naphthalene	15.13	128	498540	18.204	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	238906	17.960	ug/l	98

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

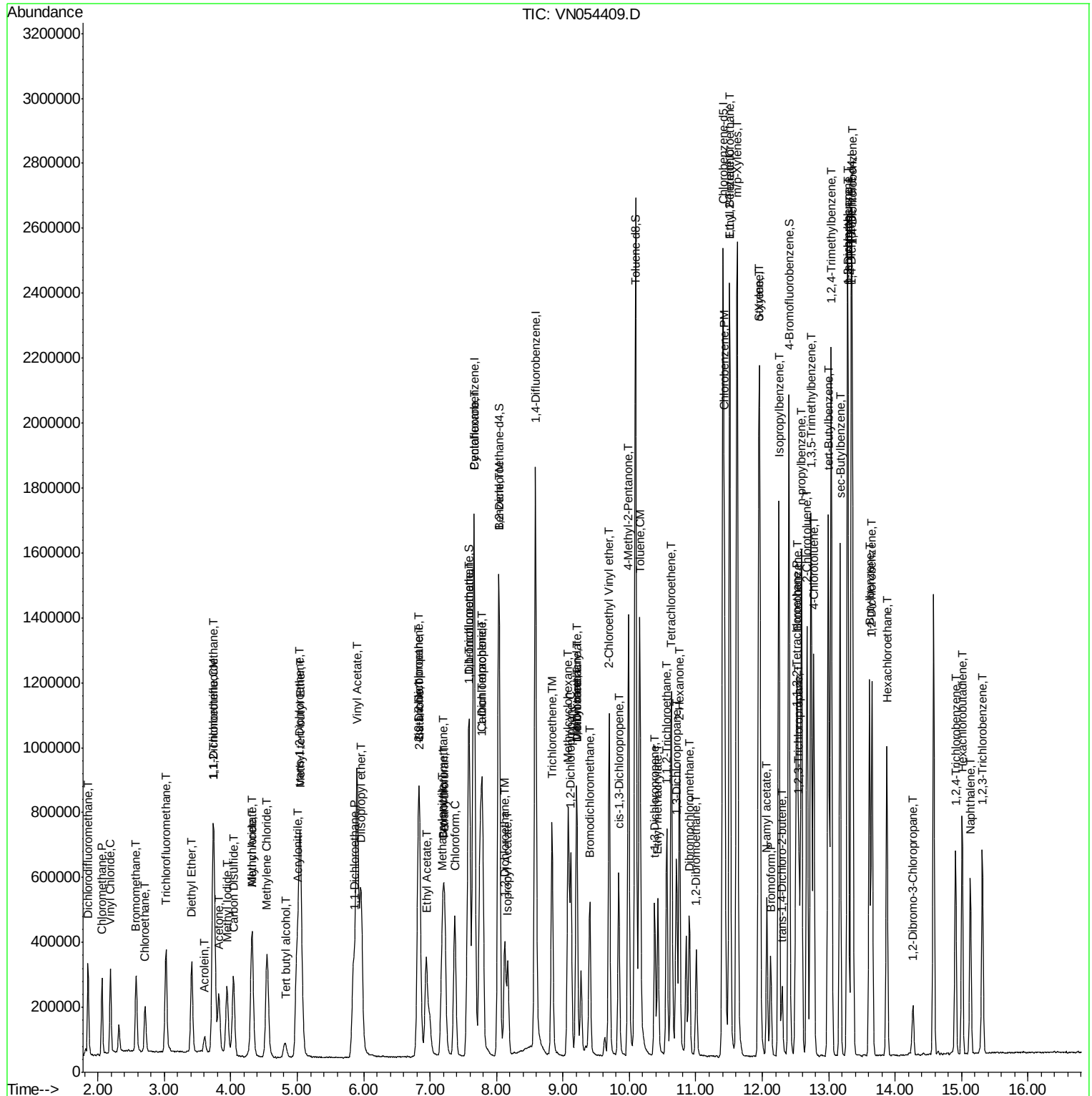
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054409.D
Acq On : 18 Mar 2019 23:06
Operator : JC/SP
Sample : VN0318WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

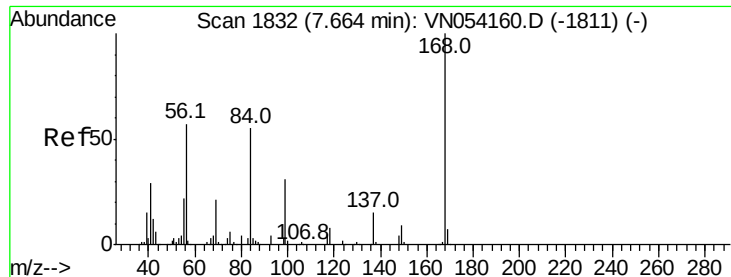
Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion:168 Resp: 1186381

Ion Ratio Lower Upper

168 100

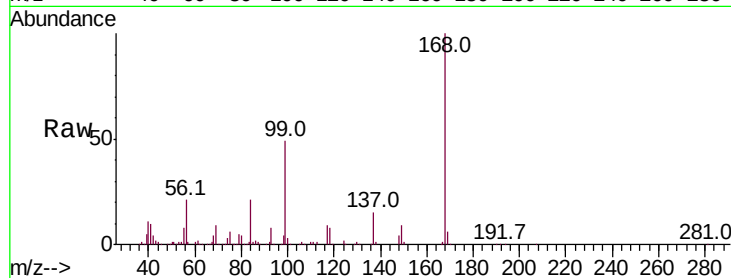
99 48.2 37.1 55.7

Manual Integrations

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3/19/2019 9:22:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

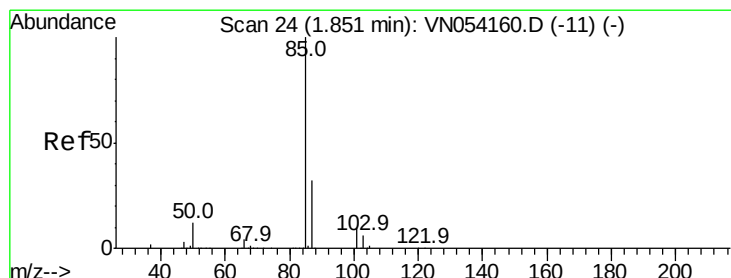
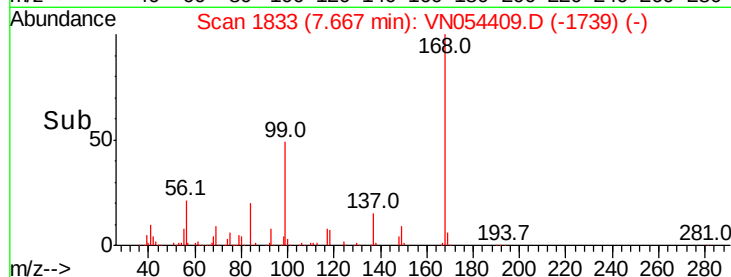
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.017 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054409.D

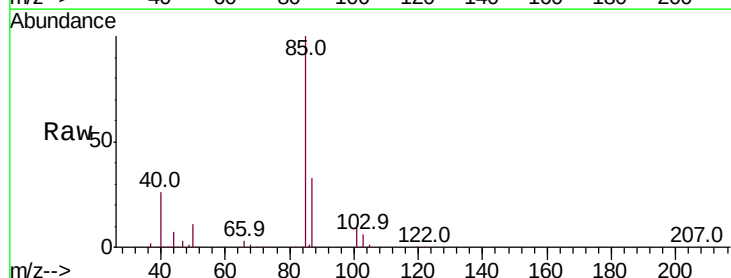
Acq: 18 Mar 2019 23:06

Tgt Ion: 85 Resp: 225068

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

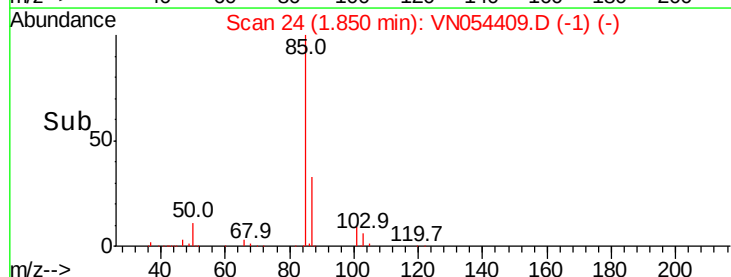
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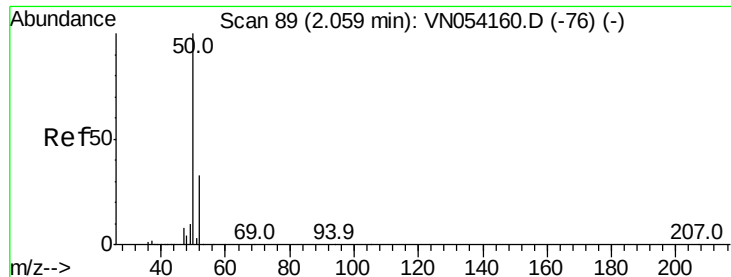
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.653 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 50 Resp: 214647

Ion Ratio Lower Upper

50 100

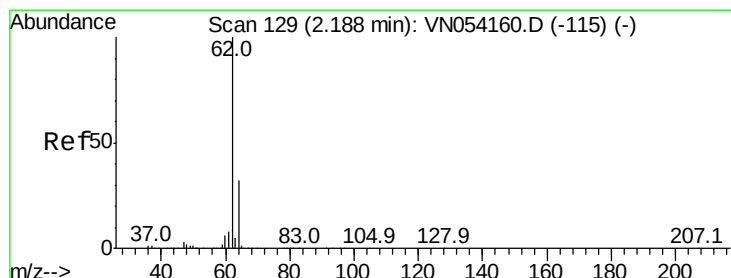
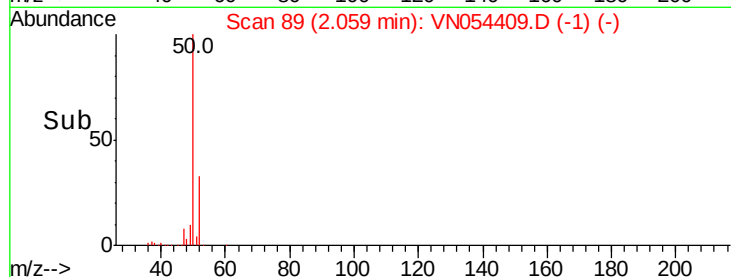
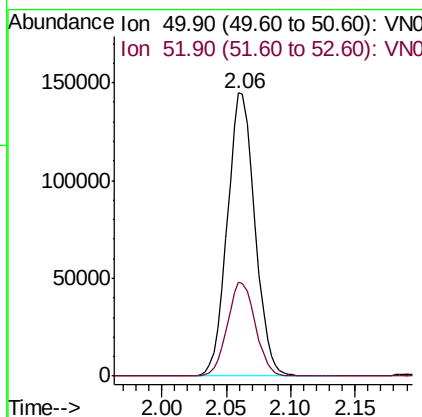
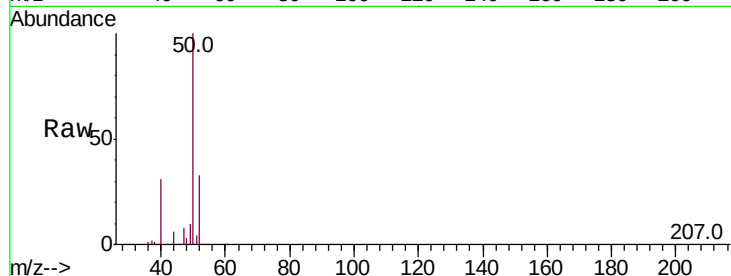
52 33.0 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.399 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054409.D

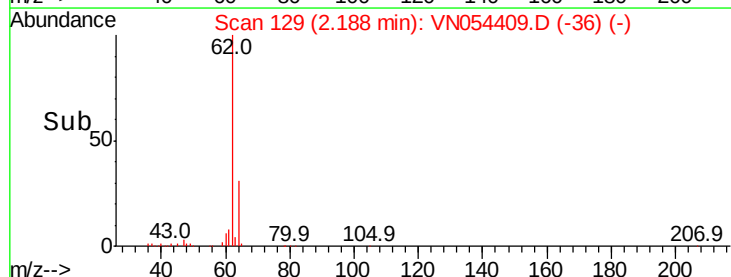
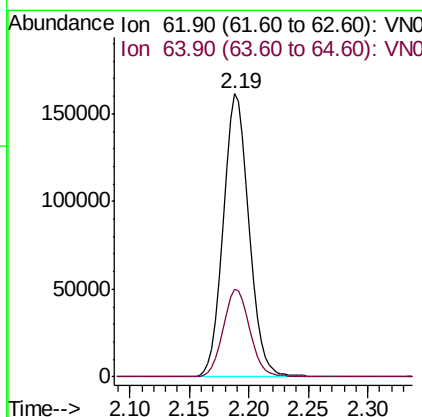
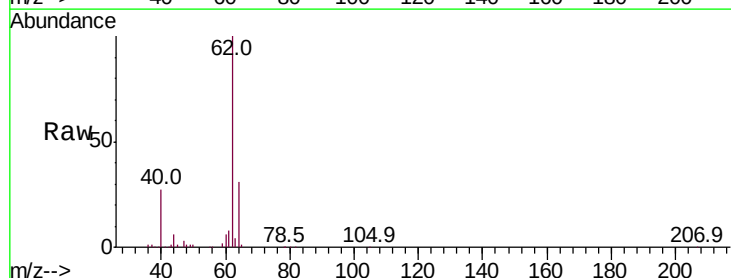
Acq: 18 Mar 2019 23:06

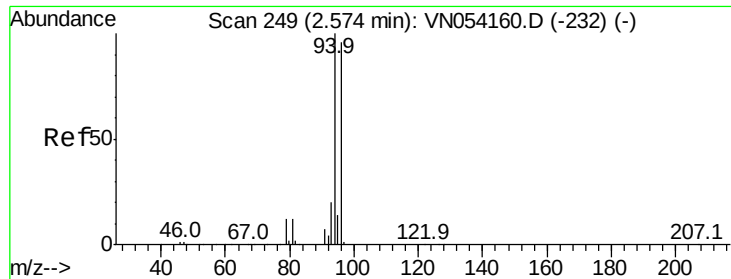
Tgt Ion: 62 Resp: 242173

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 19.422 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 94 Resp: 167918

Ion Ratio Lower Upper

94 100

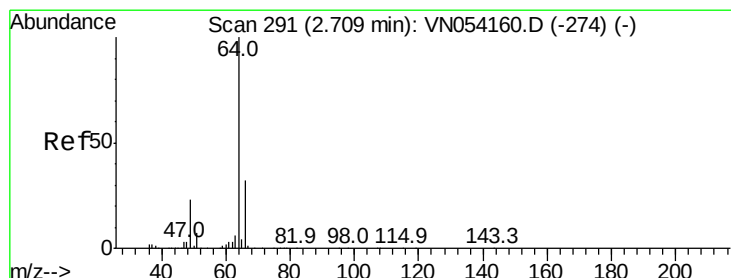
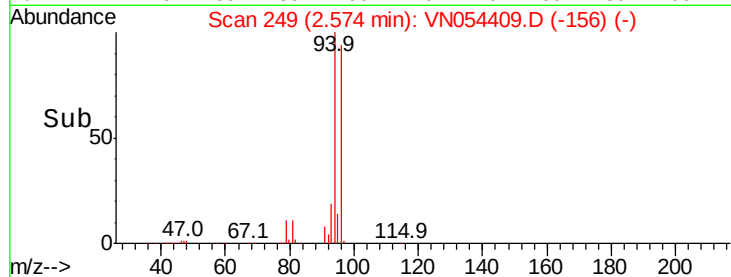
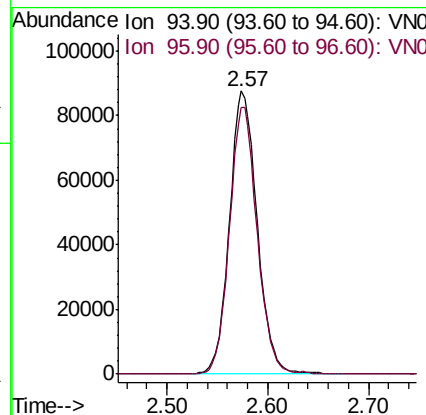
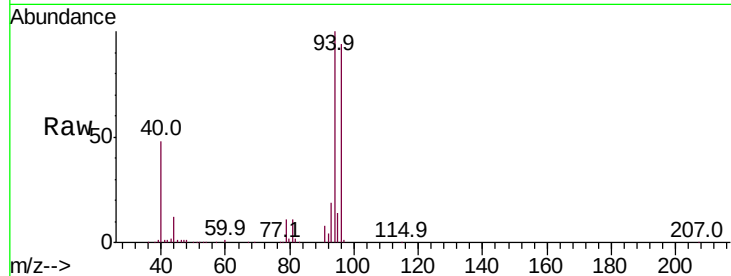
96 94.4 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 19.078 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054409.D

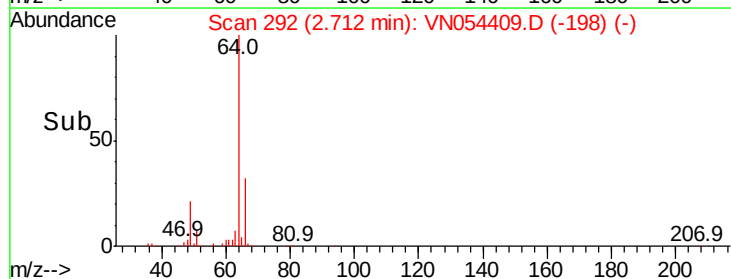
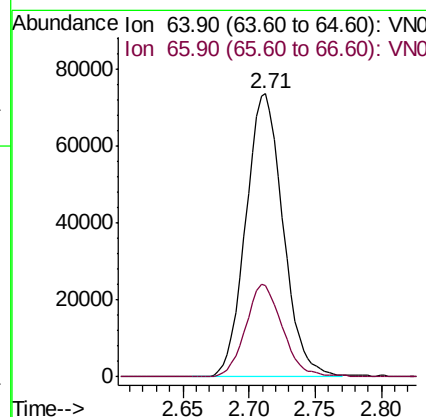
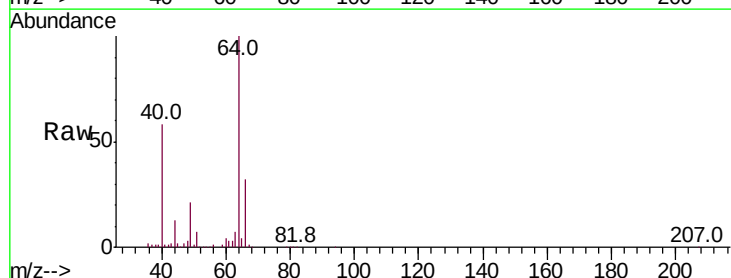
Acq: 18 Mar 2019 23:06

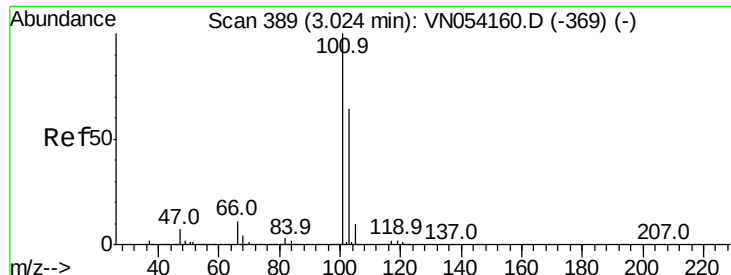
Tgt Ion: 64 Resp: 144098

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5





#7

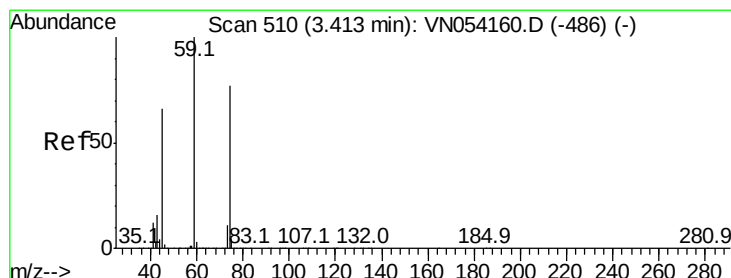
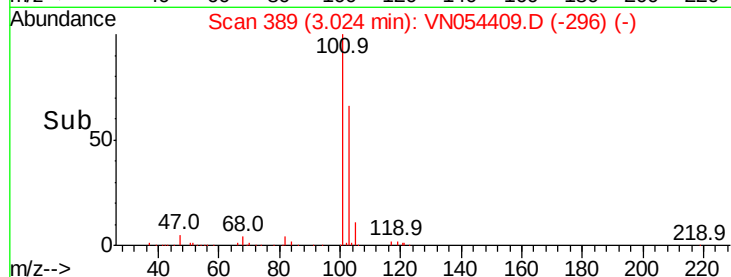
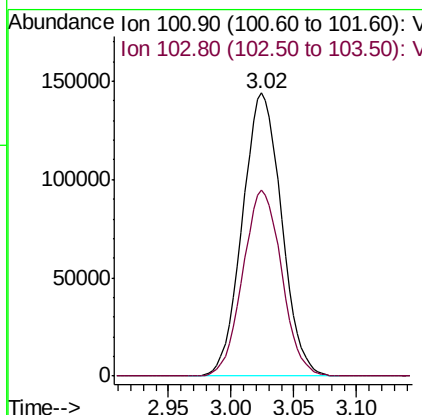
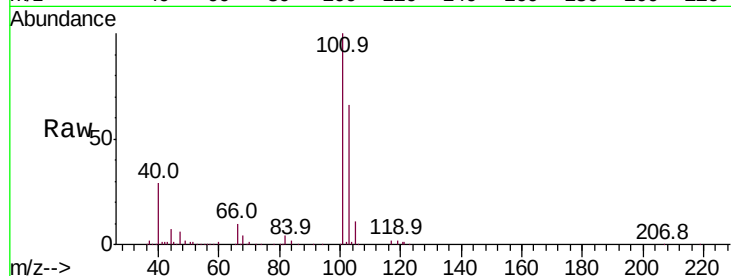
Trichlorofluoromethane
 Concen: 18.829 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
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 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.4	77.2

Manual Integrations
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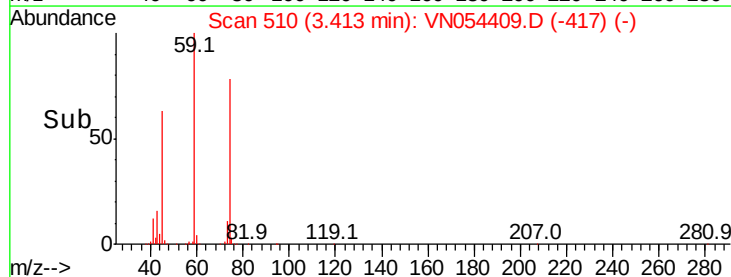
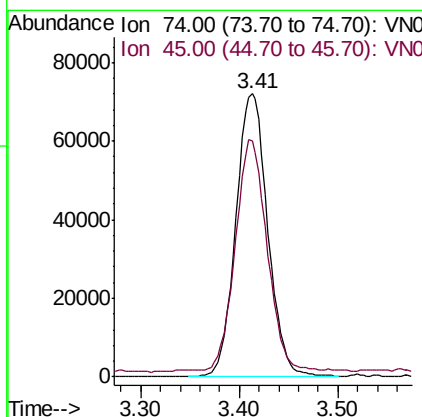
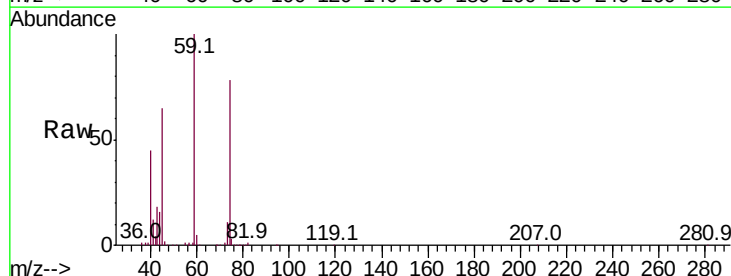
MMDadoda
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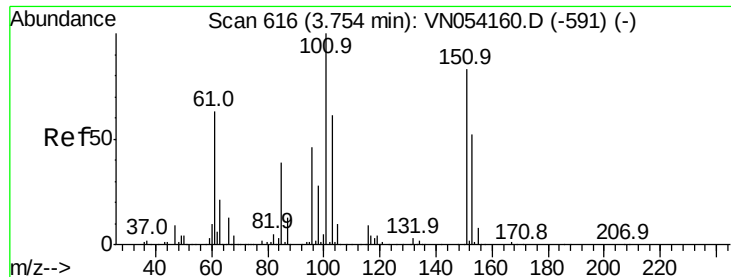


#8

Diethyl Ether
 Concen: 21.408 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.049 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

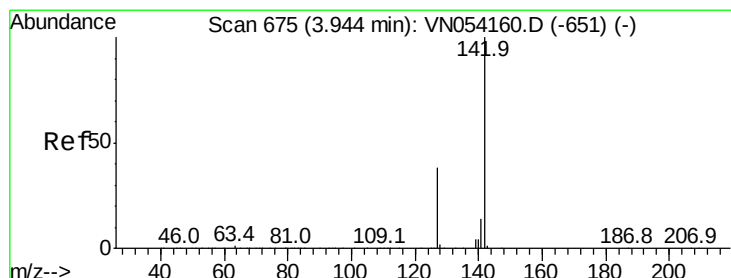
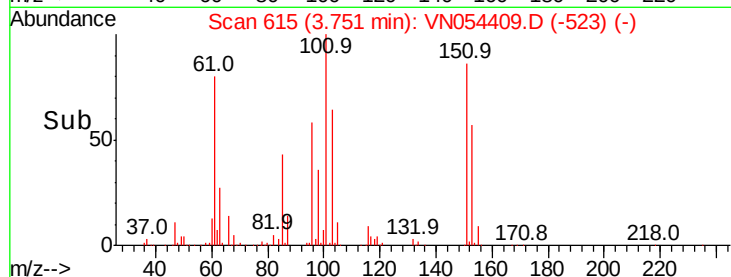
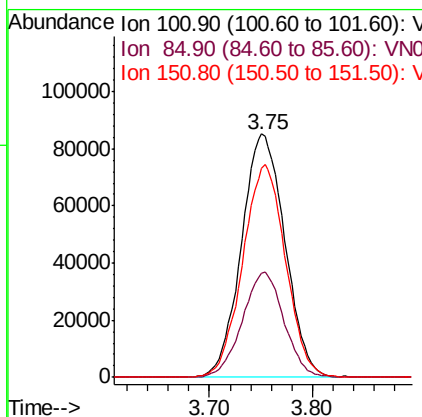
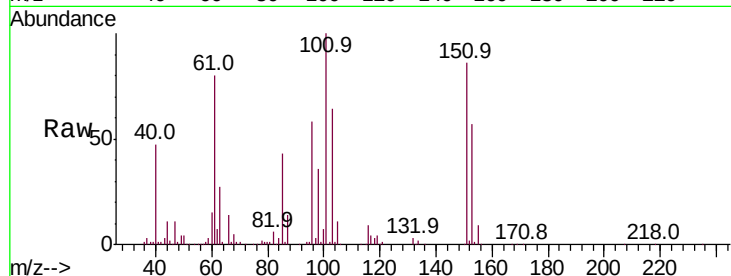
ClientSampleId :

VN0318WBS02

Tot Ion:	101	Resp:	249353
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.4	48.6
151	86.2	68.2	102.2

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#10

Methyl Iodide

Concen: 19.637 ug/l

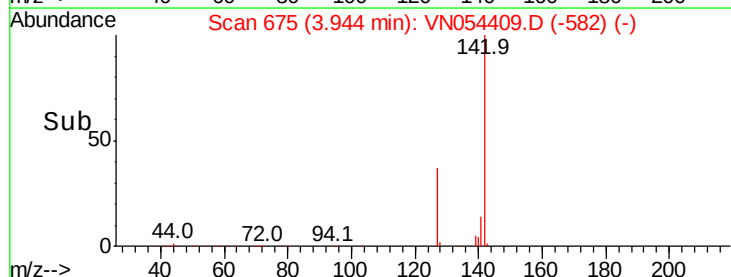
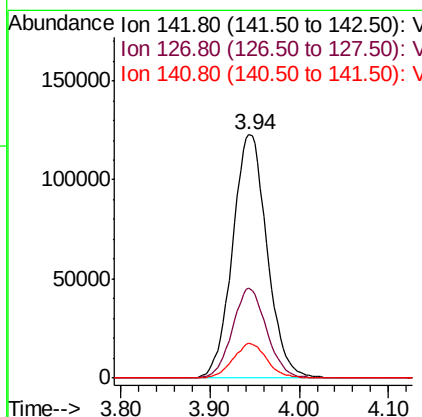
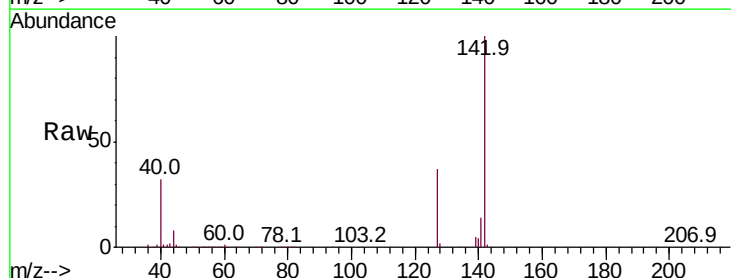
RT: 3.94 min Scan# 675

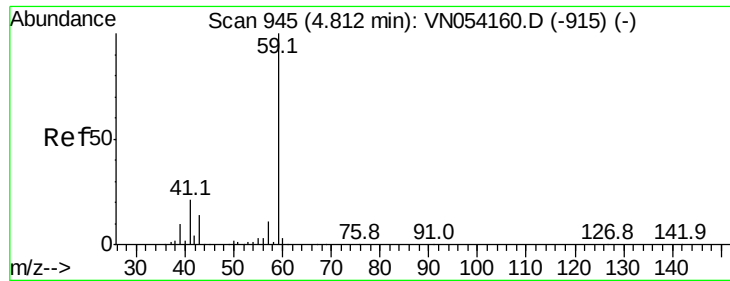
Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion:	142	Resp:	330297
Ion Ratio	Lower	Upper	
142	100		
127	36.7	30.3	45.5
141	13.9	11.2	16.8





#11

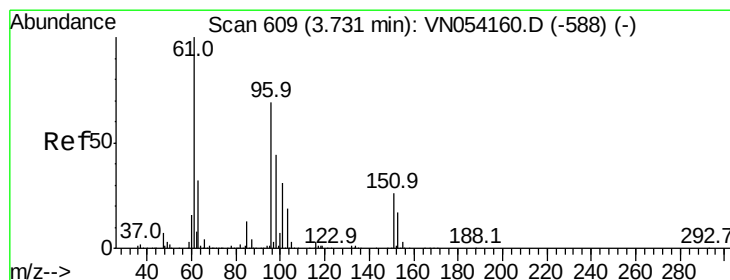
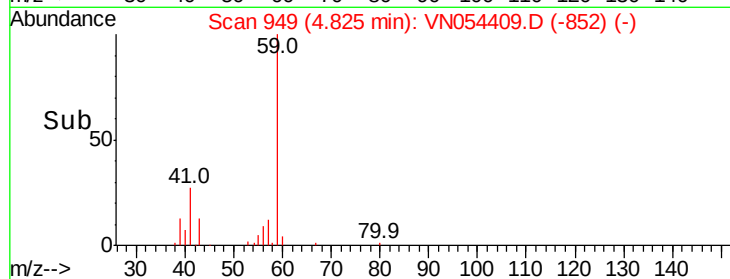
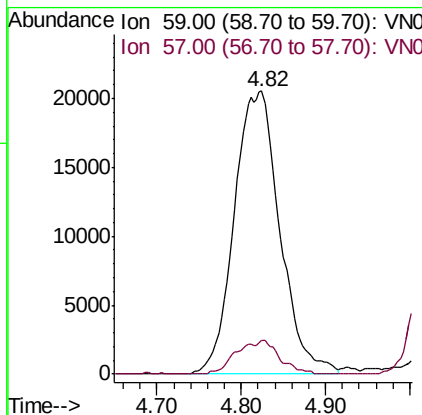
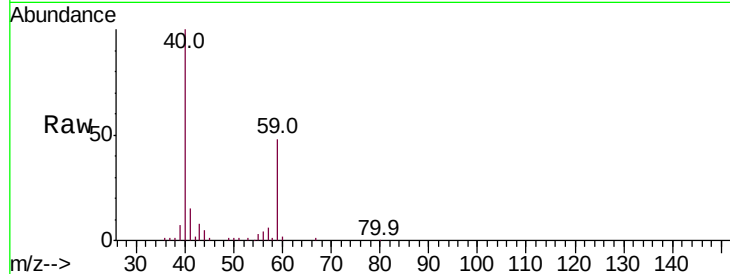
Tert butyl alcohol
Concen: 89.161 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.01 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion: 59 Resp: 77012
Ion Ratio Lower Upper
59 100
57 5.7 9.0 13.6#

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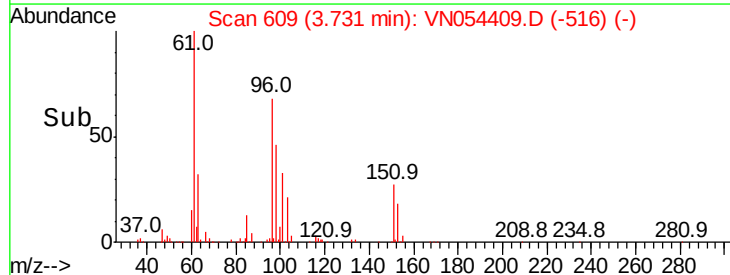
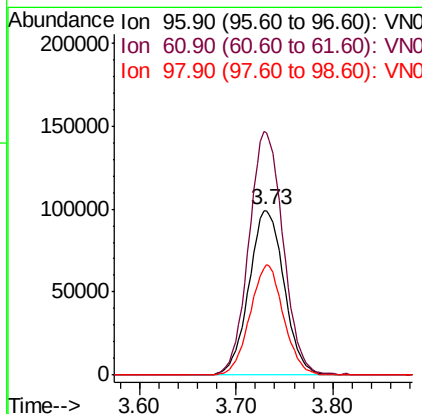
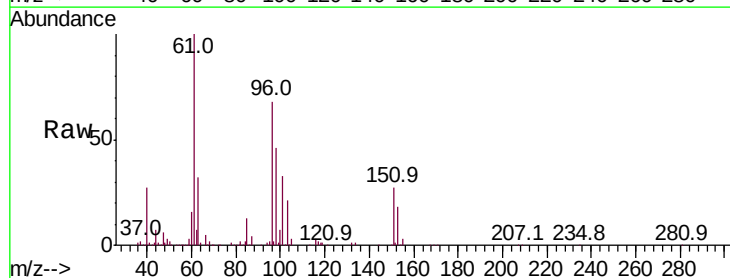
MMDadoda
3/19/2019 9:22:38 AM

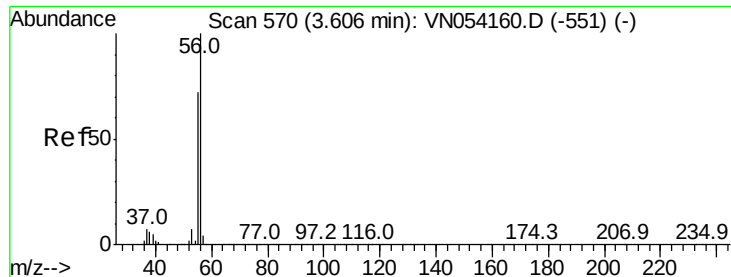


#12

1,1-Dichloroethene
Concen: 20.277 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 96 Resp: 249920
Ion Ratio Lower Upper
96 100
61 147.7 116.5 174.7
98 67.3 51.0 76.4





#13

Acrolein

Concen: 68.701 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 56 Resp: 56230

Ion Ratio Lower Upper

56 100

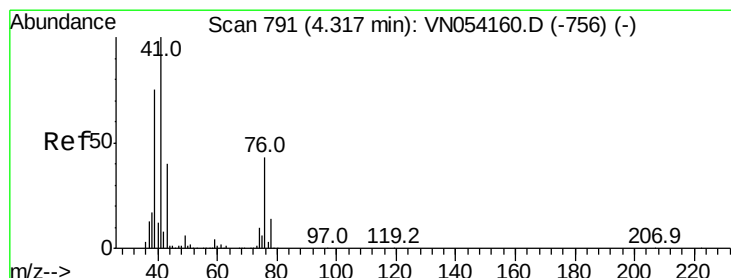
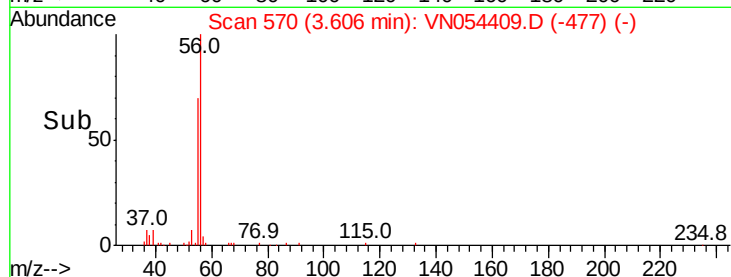
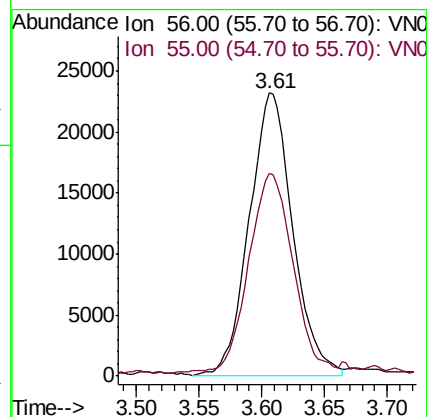
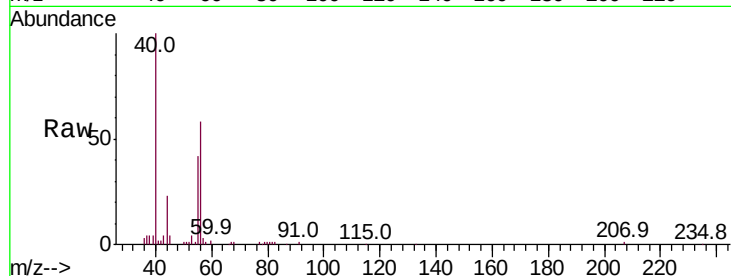
55 71.5 56.7 85.1

Manual Integrations

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MMDadoda

3/19/2019 9:22:38 AM



#14

Allyl chloride

Concen: 19.463 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

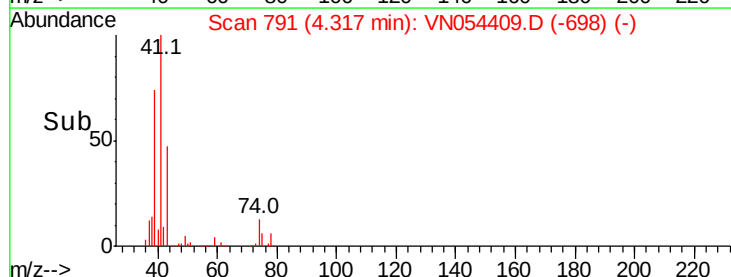
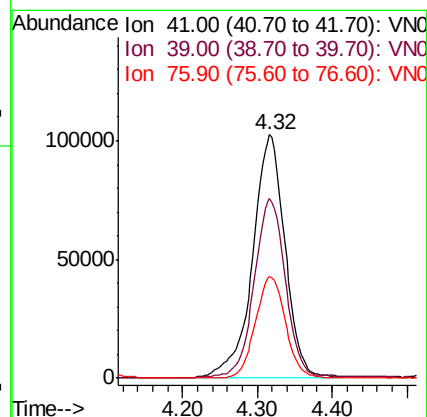
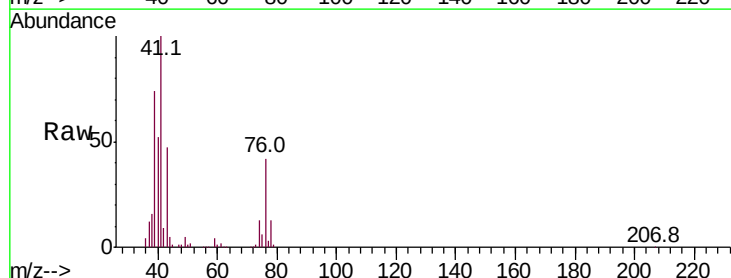
Tgt Ion: 41 Resp: 307786

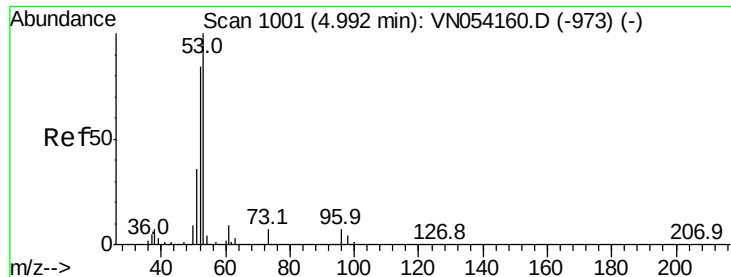
Ion Ratio Lower Upper

41 100

39 72.1 58.2 87.4

76 38.9 31.7 47.5





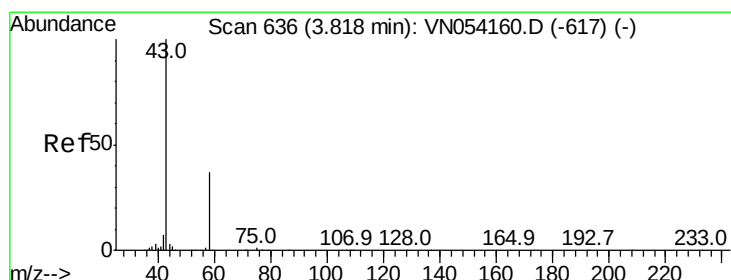
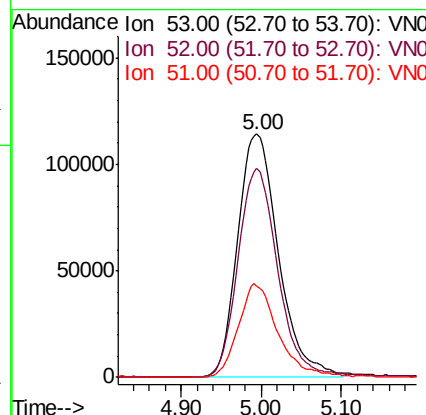
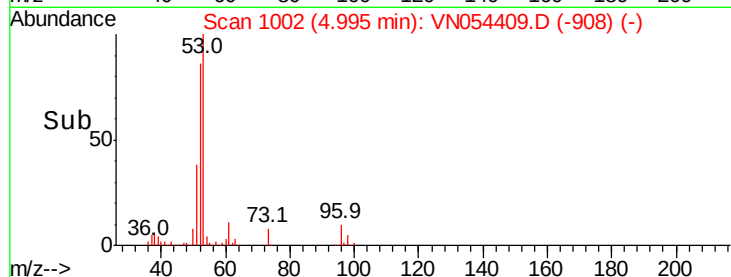
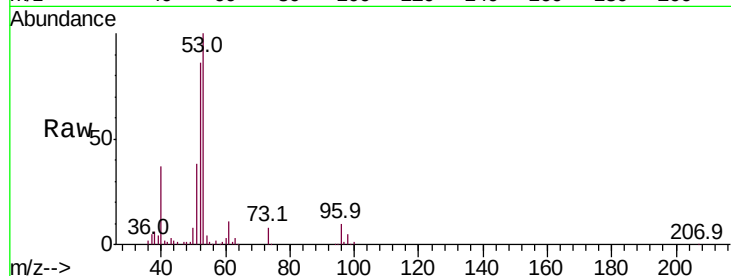
#15
 Acrylonitrile
 Concen: 111.864 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.4	99.6
51	37.3	29.6	44.4

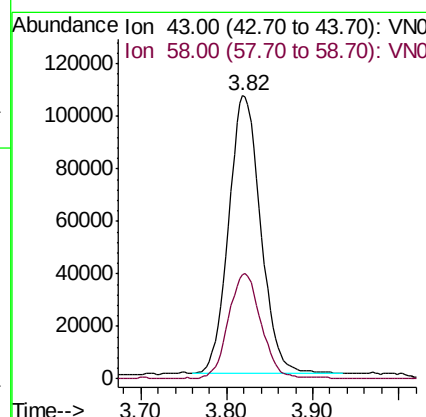
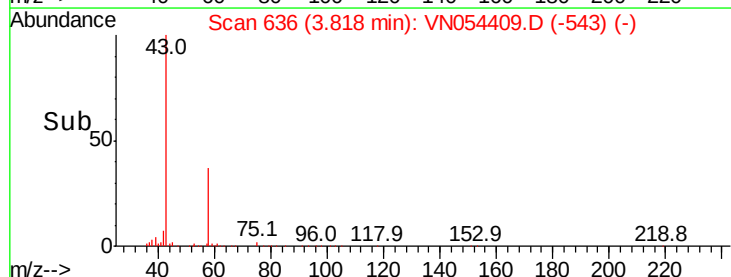
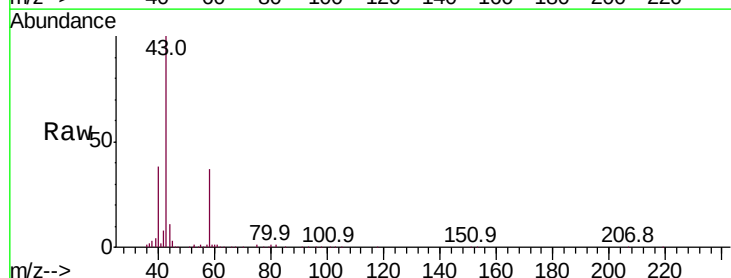
Manual Integrations
 APPROVED

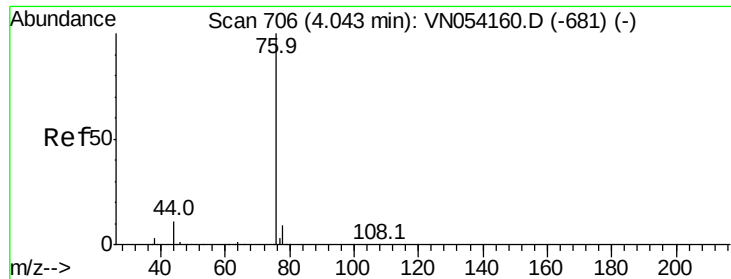
MMDadoda
 3/19/2019 9:22:38 AM



#16
 Acetone
 Concen: 76.235 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.9	44.9





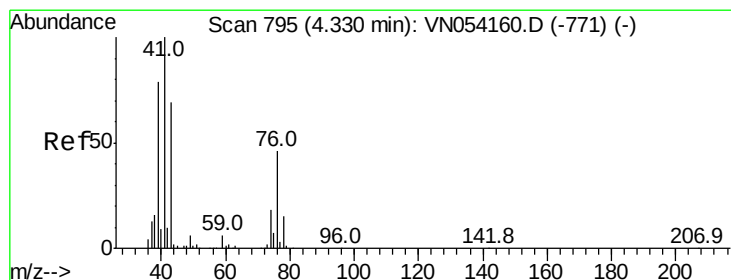
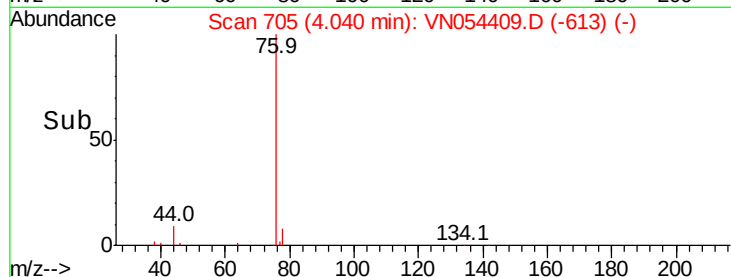
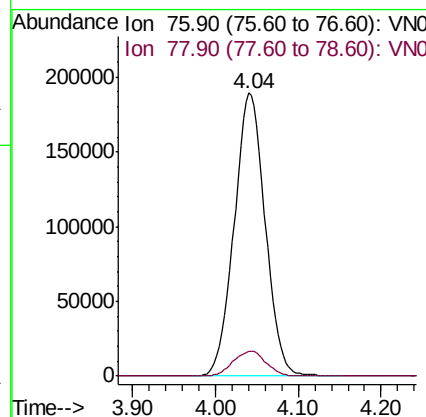
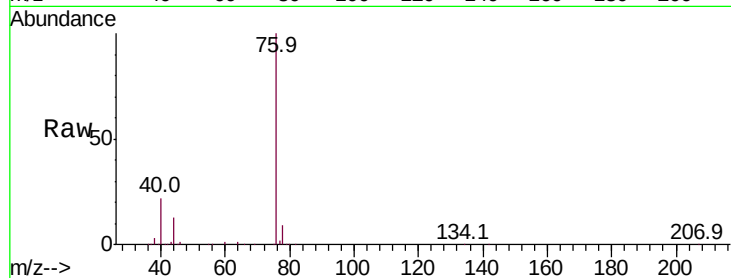
#17
Carbon Disulfide
Concen: 15.930 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.5	11.3

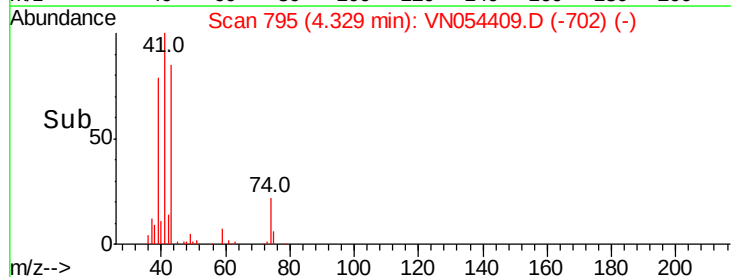
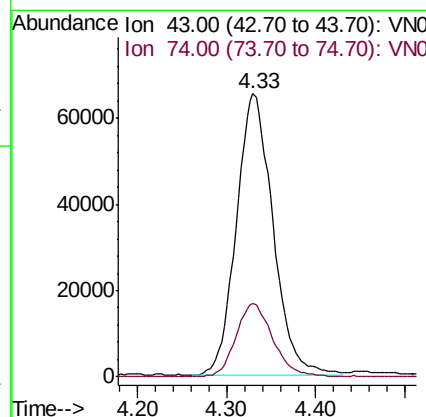
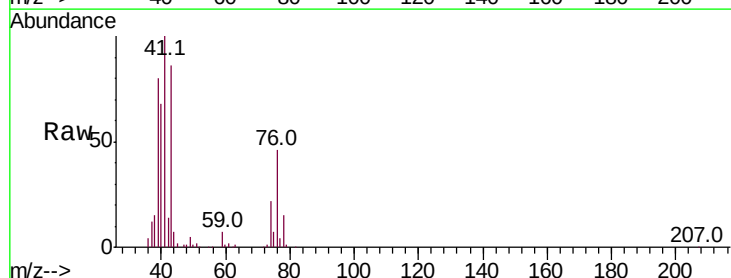
Manual Integrations
APPROVED

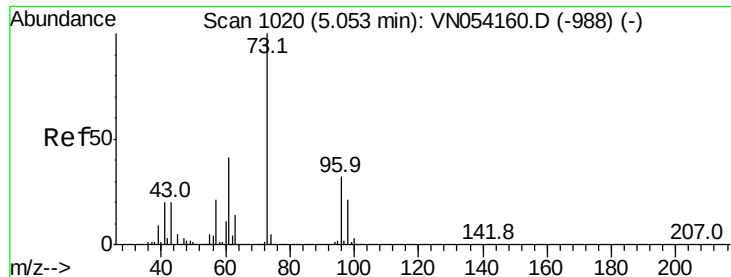
MMDadoda
3/19/2019 9:22:38 AM



#18
Methyl Acetate
Concen: 25.420 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.8	31.2





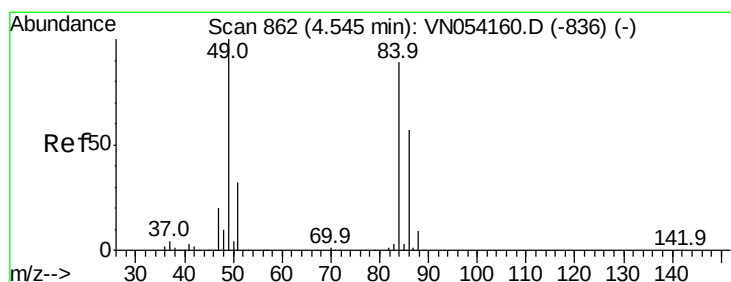
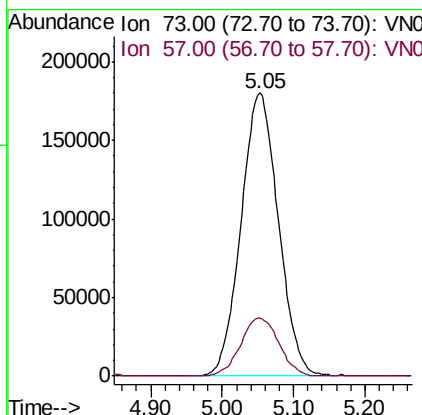
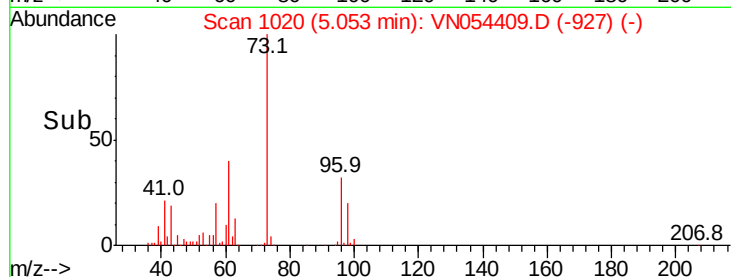
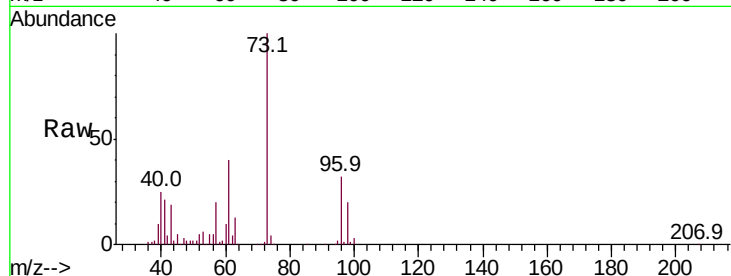
#19
Methvl tert-butyl Ether
Concen: 21.446 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion: 73 Resp: 655175
Ion Ratio Lower Upper
73 100
57 20.4 16.8 25.2

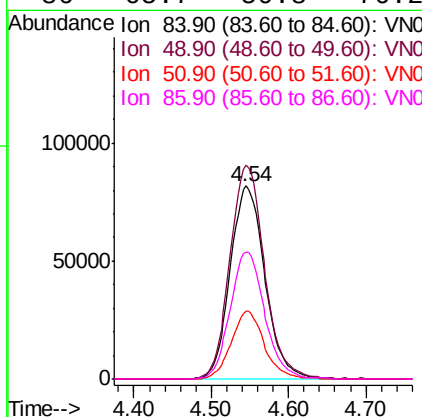
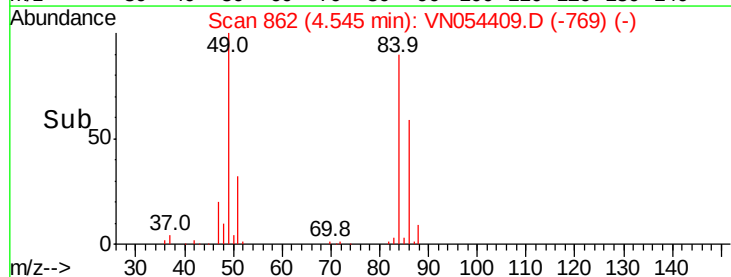
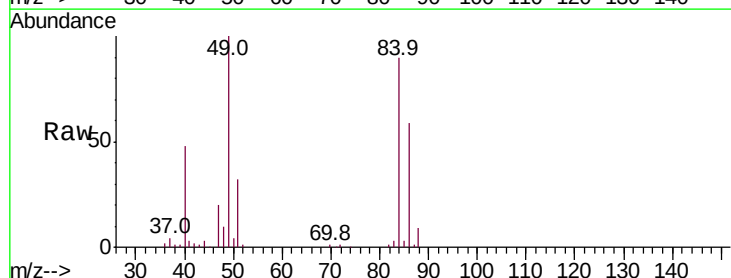
Manual Integrations
APPROVED

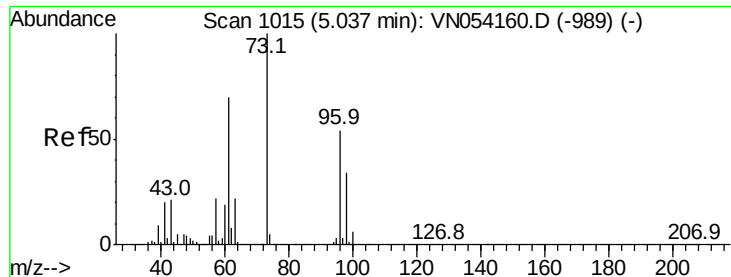
MMDadoda
3/19/2019 9:22:38 AM



#20
Methylene Chloride
Concen: 21.484 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion: 84 Resp: 254481
Ion Ratio Lower Upper
84 100
49 110.7 89.7 134.5
51 34.9 28.2 42.4
86 65.7 50.8 76.2





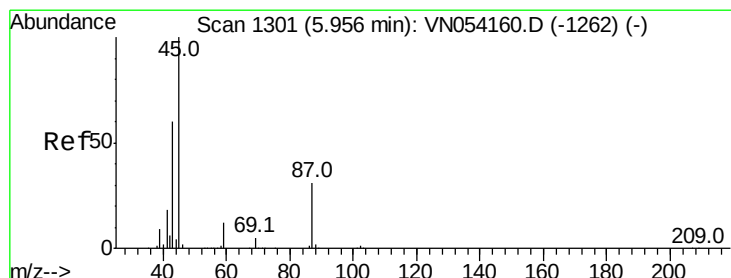
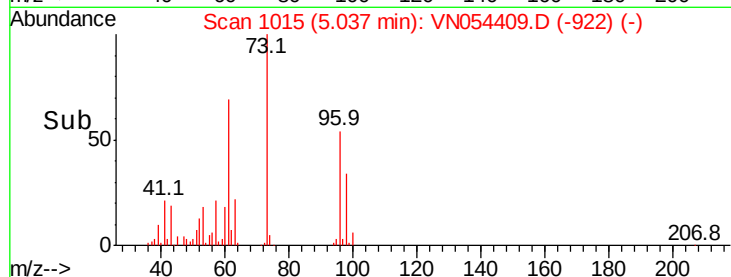
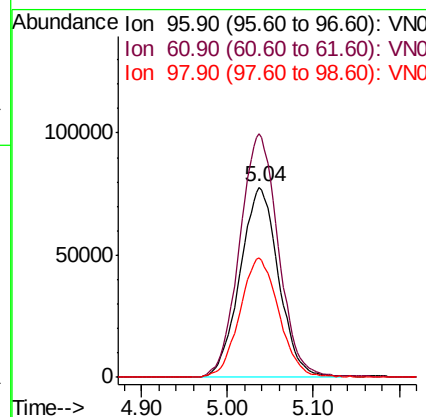
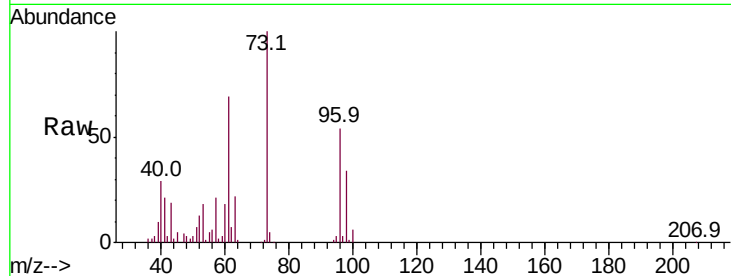
#21
trans-1,2-Dichloroethene
Concen: 20.541 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	102.8	154.2
98	62.8	50.0	75.0

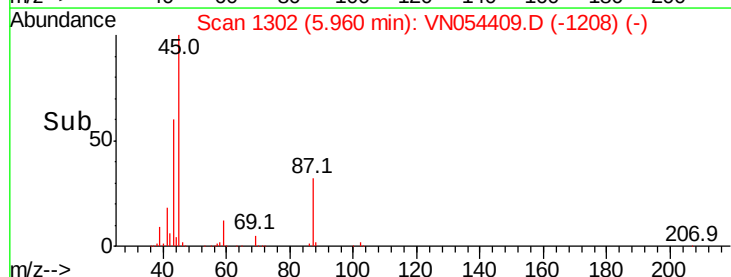
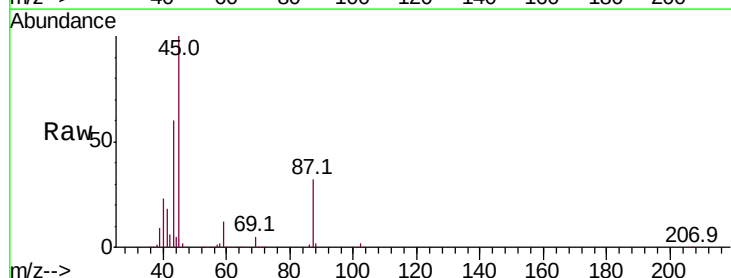
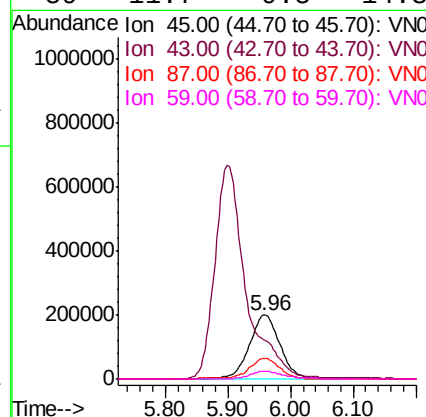
Manual Integrations
APPROVED

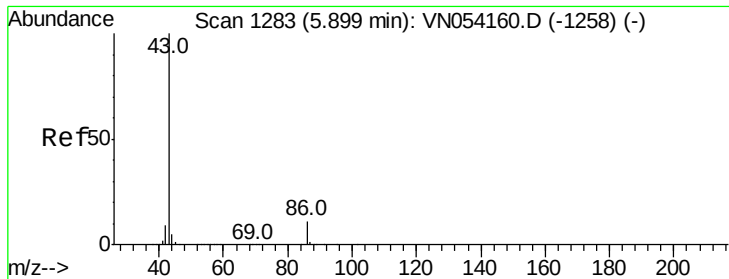
MMDadoda
3/19/2019 9:22:38 AM



#22
Diisopropyl ether
Concen: 21.601 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.2	72.2
87	31.6	24.9	37.3
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 99.321 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 43 Resp: 2311240

Ion Ratio Lower Upper

43 100

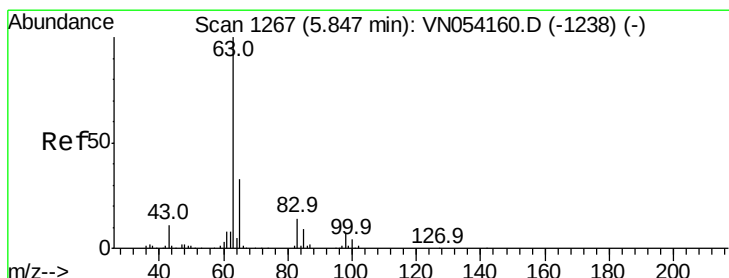
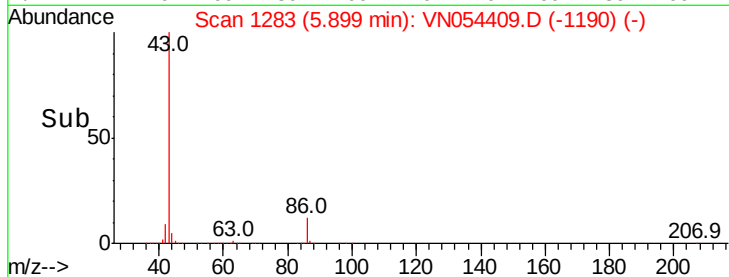
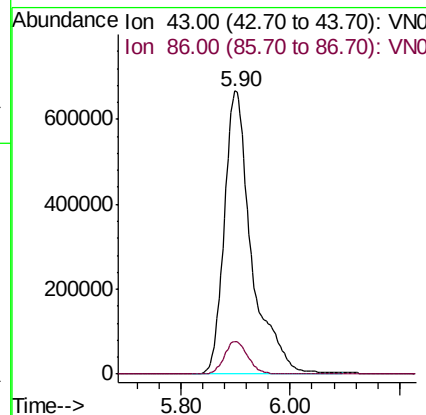
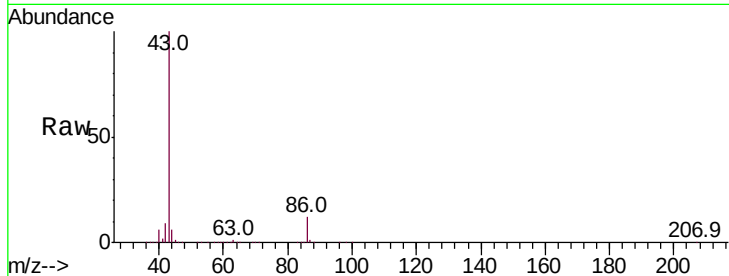
86 11.7 9.1 13.7

Manual Integrations

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3/19/2019 9:22:38 AM



#24

1,1-Dichloroethane

Concen: 21.472 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

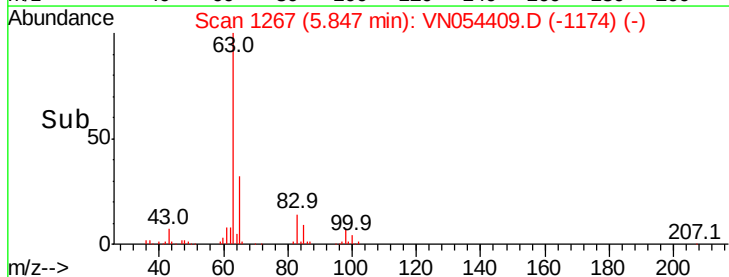
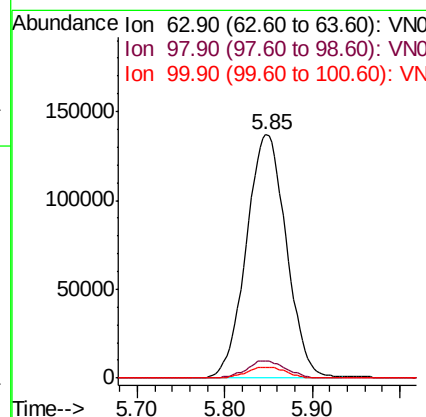
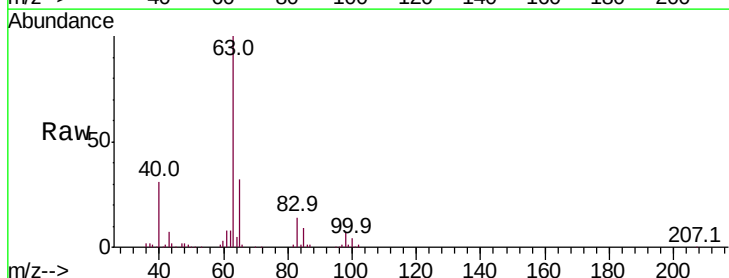
Tgt Ion: 63 Resp: 435123

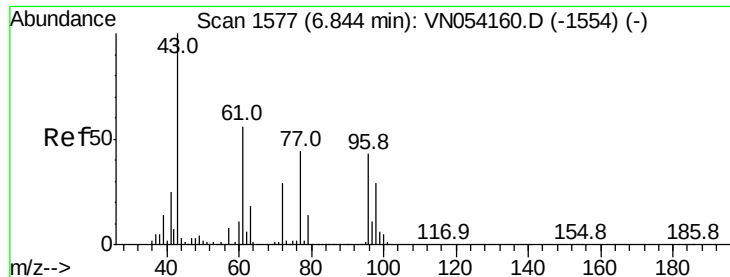
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 104.441 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 43 Resp: 442215

Ion Ratio Lower Upper

43 100

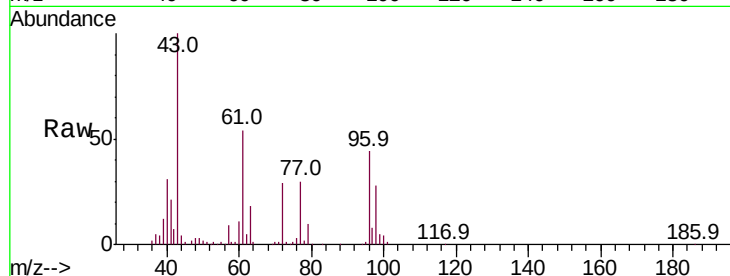
72 29.4 23.0 34.6

Manual Integrations

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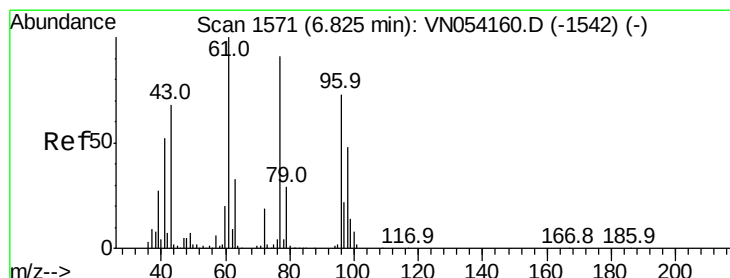
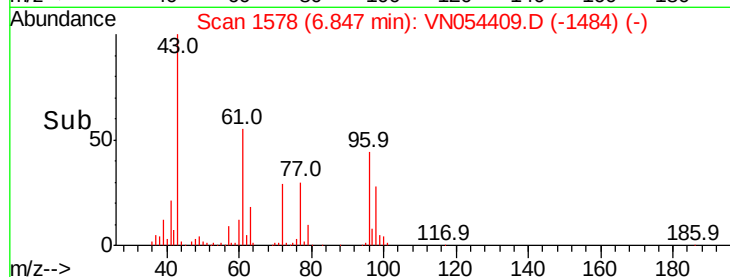
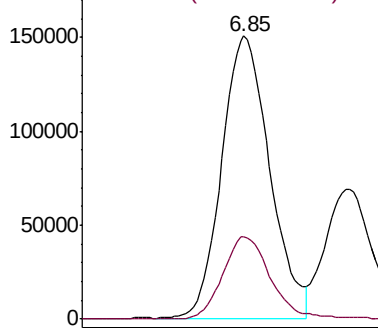
MMDadoda

3/19/2019 9:22:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 14.492 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054409.D

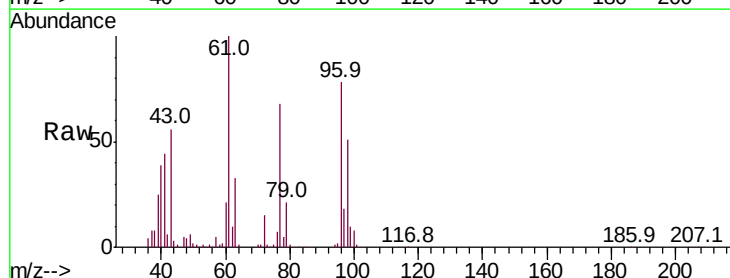
Acq: 18 Mar 2019 23:06

Tgt Ion: 77 Resp: 258269

Ion Ratio Lower Upper

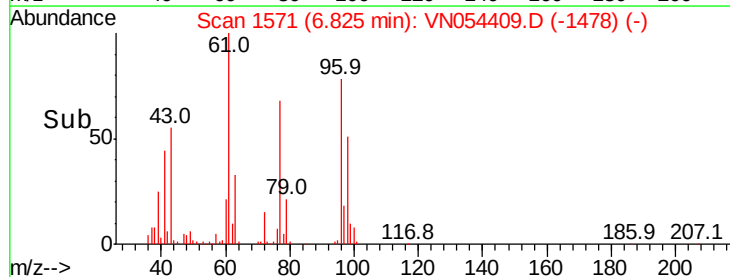
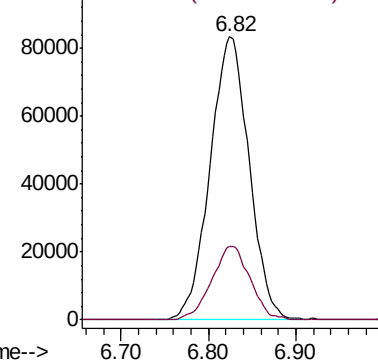
77 100

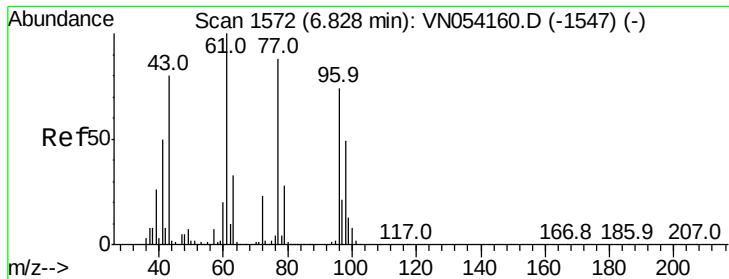
97 25.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.863 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

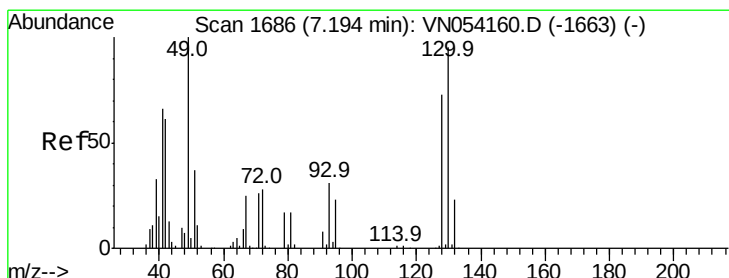
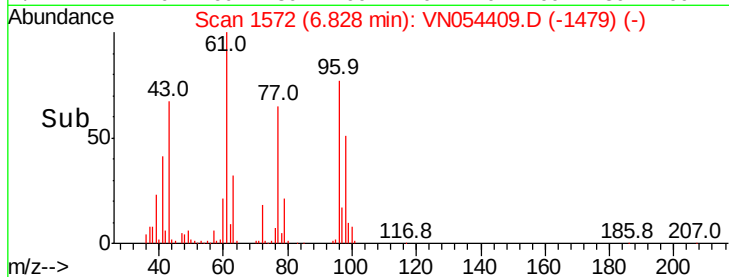
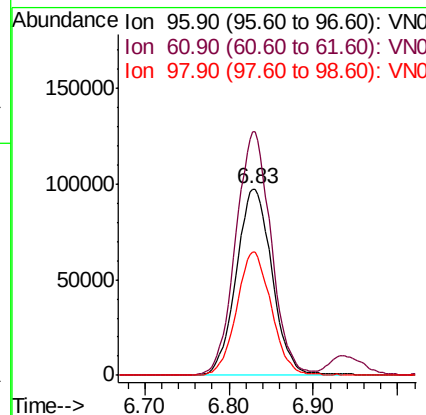
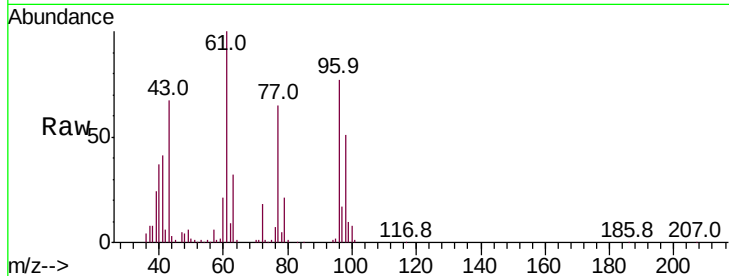
ClientSampleId :

VN0318WBS02

Tot Ion:	96	Resp:	288038
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	273.0
98	64.2	0.0	130.6

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#28

Bromochloromethane

Concen: 20.743 ug/l

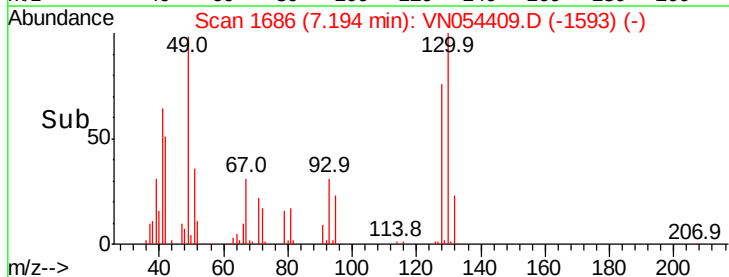
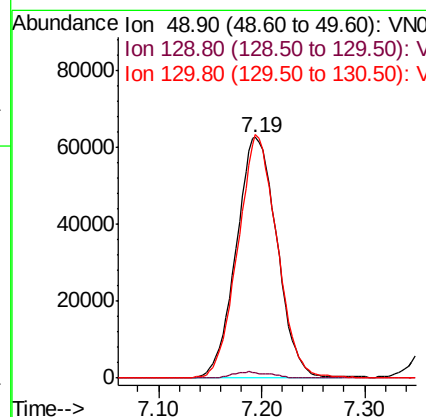
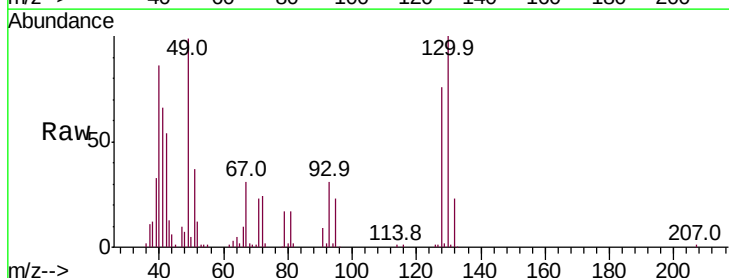
RT: 7.19 min Scan# 1686

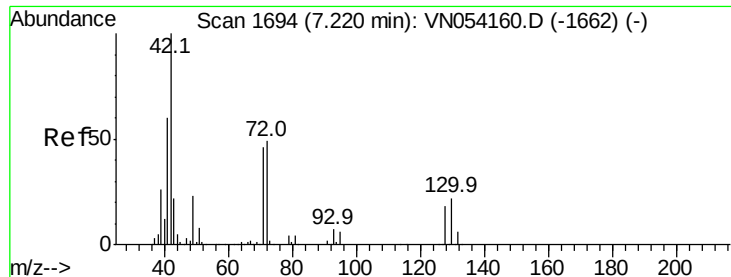
Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion:	49	Resp:	171843
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	97.5	76.7	115.1





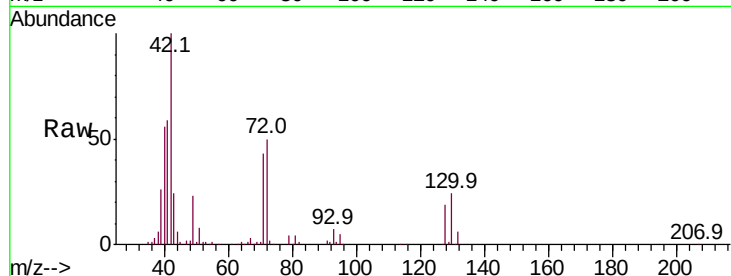
#29
Tetrahydrofuran
Concen: 109.370 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

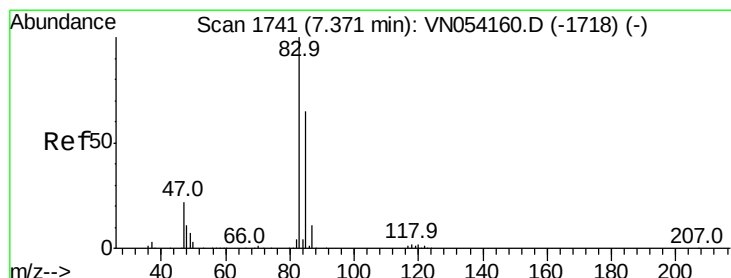
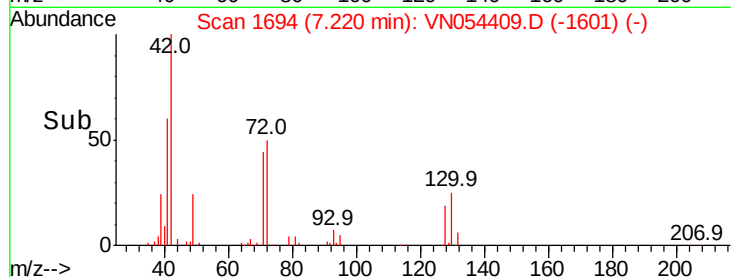
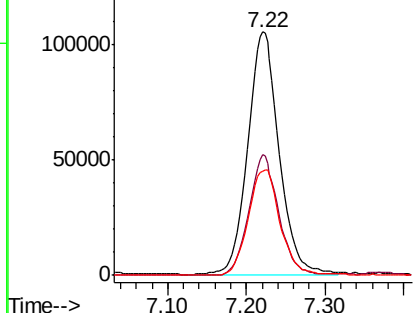
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.8	56.6
71	43.9	36.2	54.2

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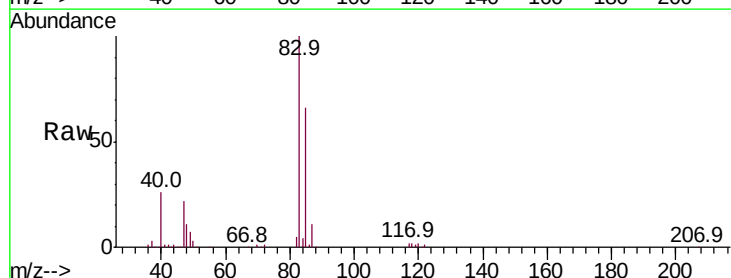


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

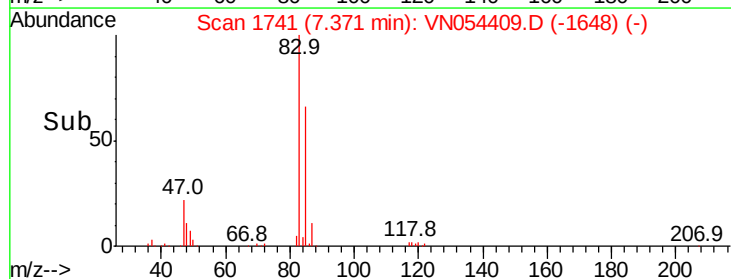
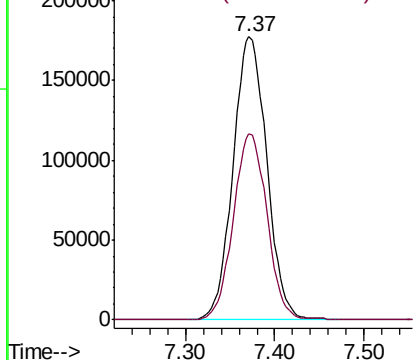


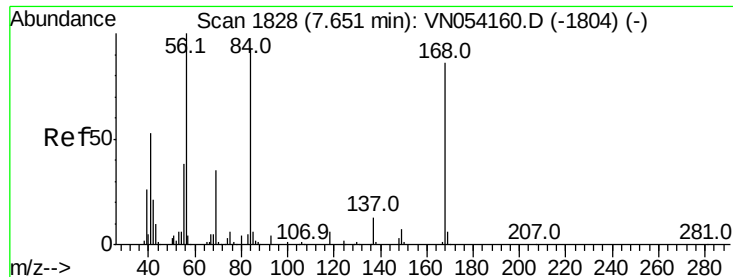
#30
Chloroform
Concen: 22.052 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.2	78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





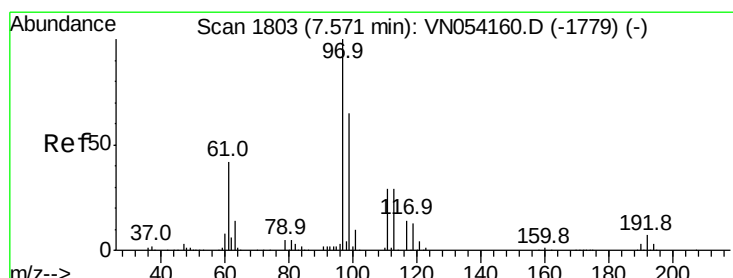
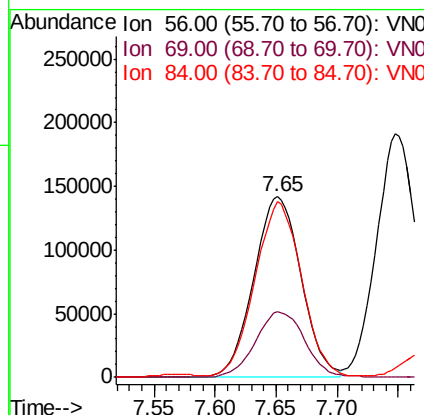
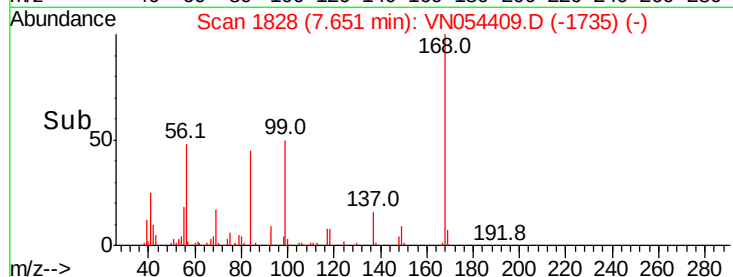
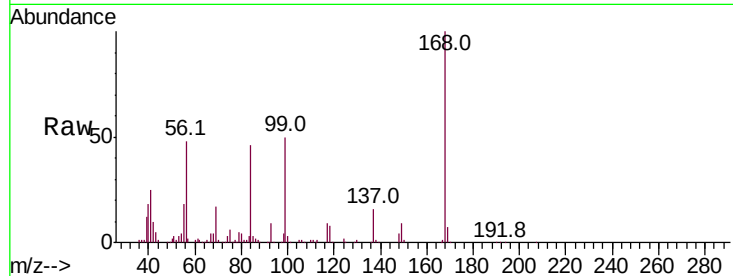
#31
Cyclohexane
Concen: 19.423 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.6	27.8	41.6
84	96.0	74.6	111.8

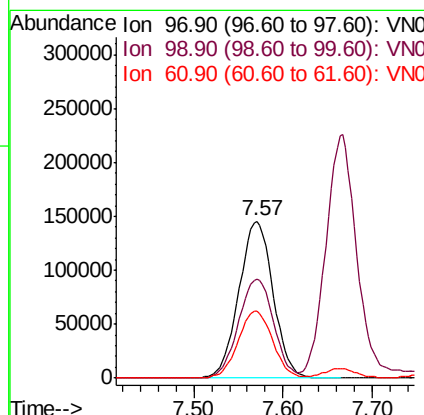
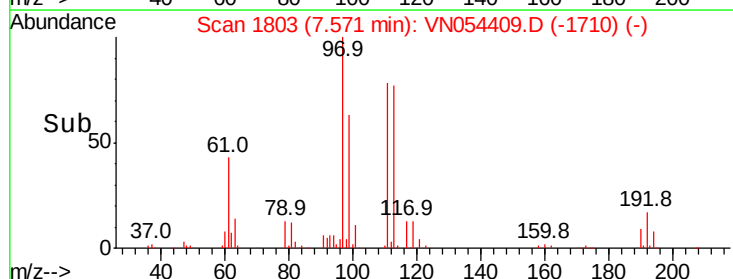
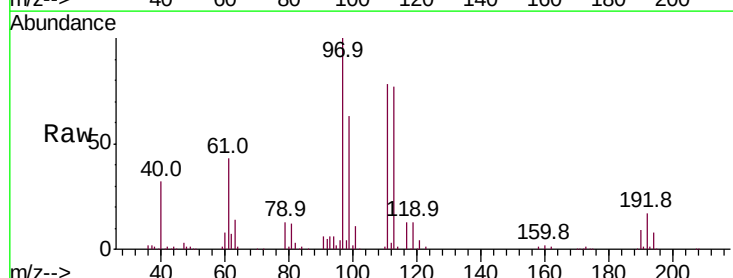
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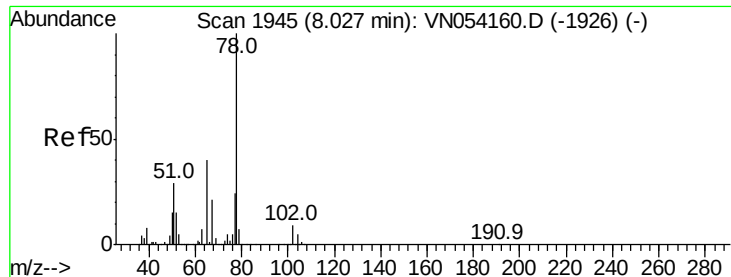
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#32
1,1,1-Trichloroethane
Concen: 20.294 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.5	77.3
61	43.1	33.6	50.4





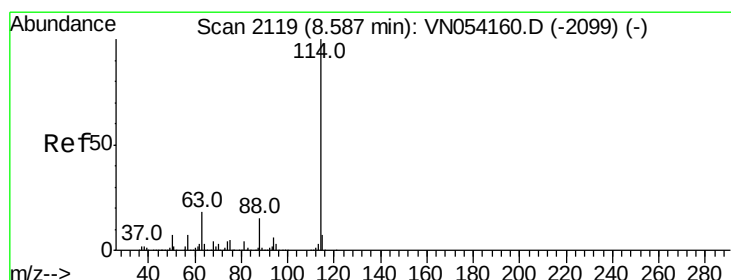
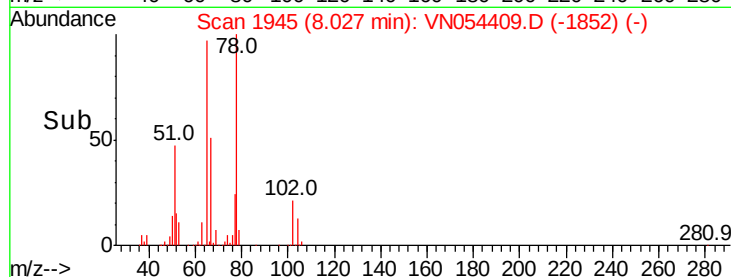
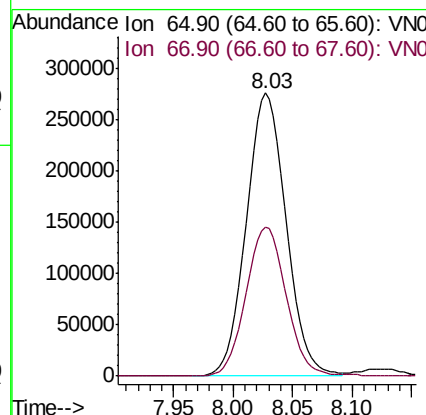
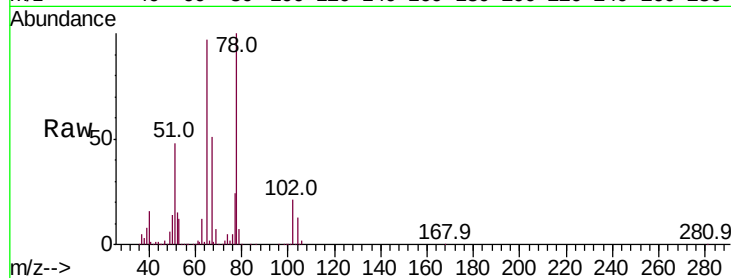
#33
 1,2-Dichloroethane-d4
 Concen: 50.777 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.6

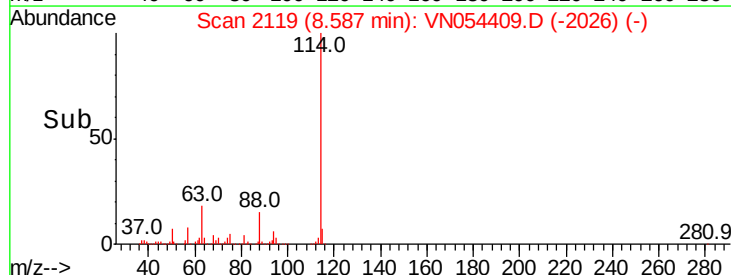
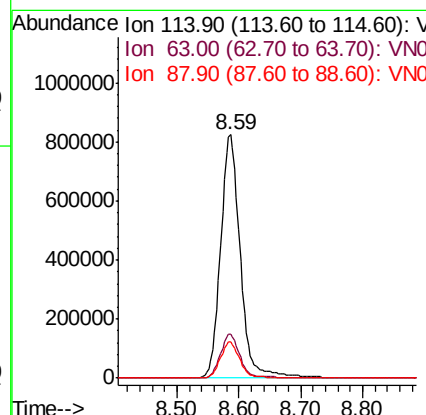
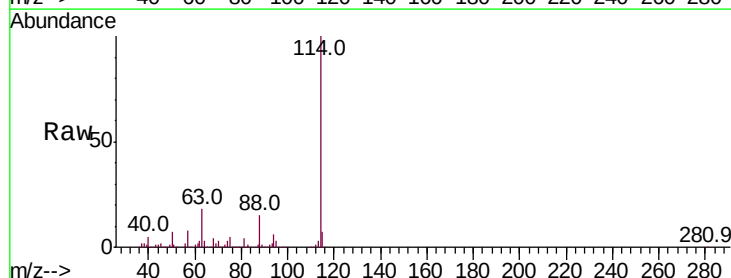
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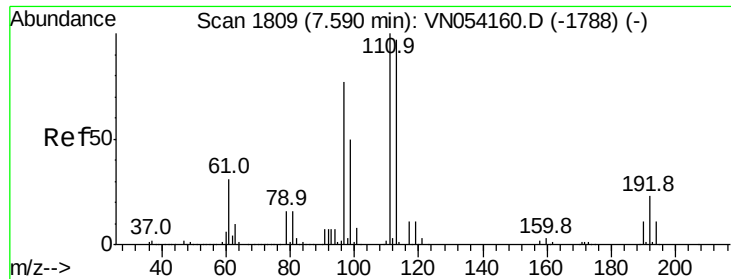
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.2
88	14.9	0.0	30.2





#35

Dibromofluoromethane

Concen: 51.162 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

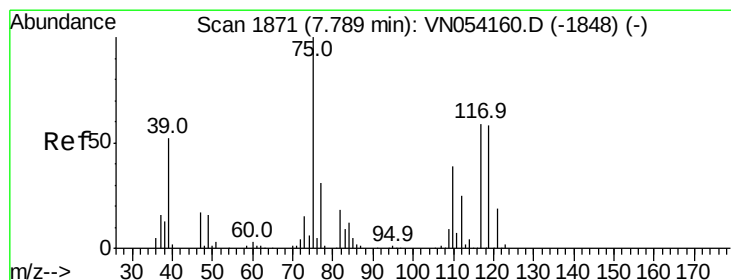
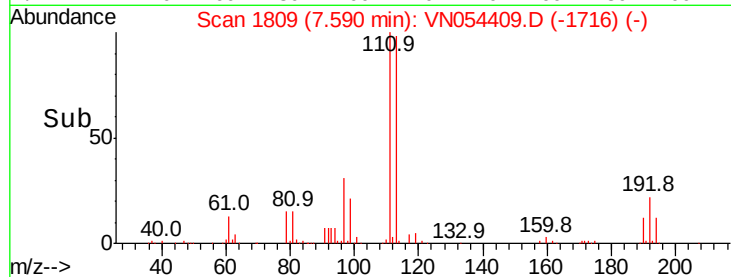
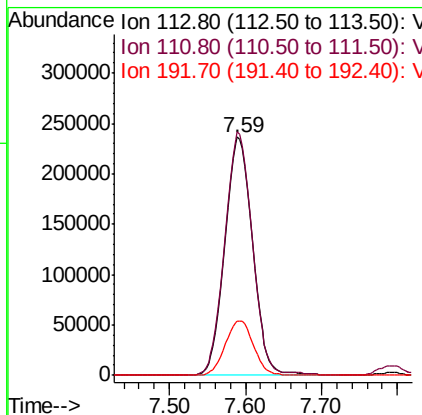
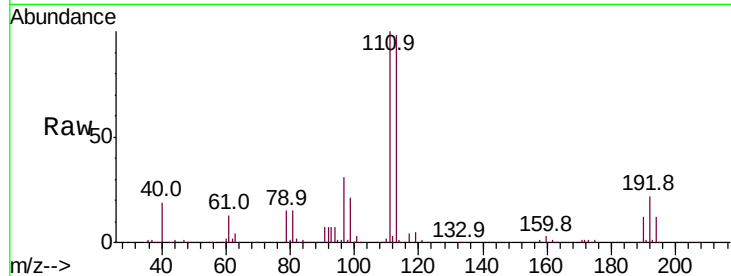
ClientSampleId :

VN0318WBS02

Tot Ion:	113	Resp:	603737
Ion Ratio	Lower	Upper	
113	100		
111	101.8	82.2	123.4
192	23.2	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 19.114 ug/l

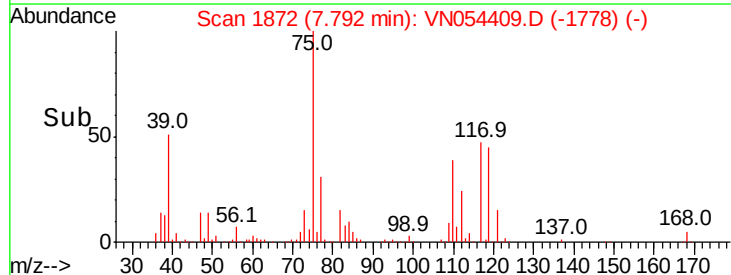
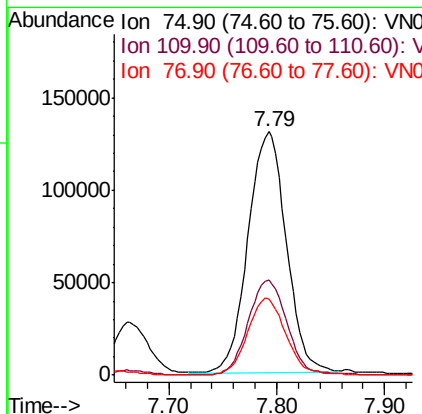
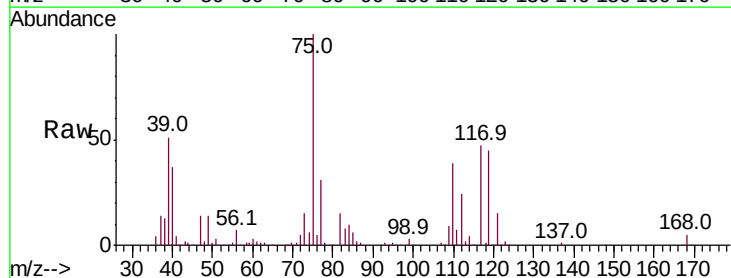
RT: 7.79 min Scan# 1872

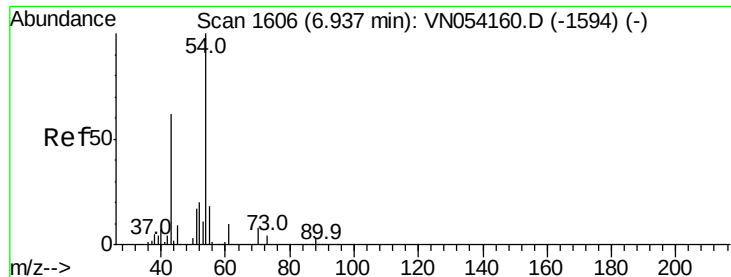
Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion:	75	Resp:	322070
Ion Ratio	Lower	Upper	
75	100		
110	39.9	19.1	57.5
77	31.5	25.0	37.4





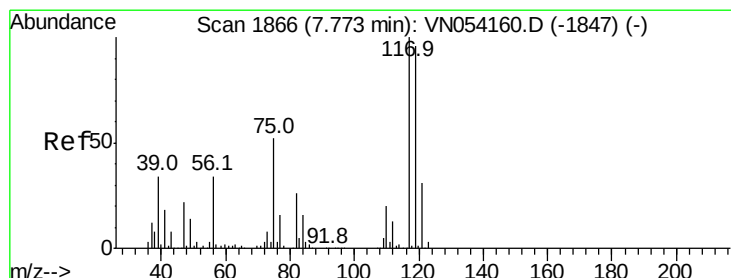
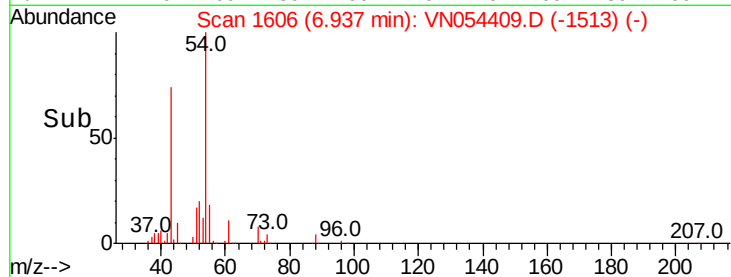
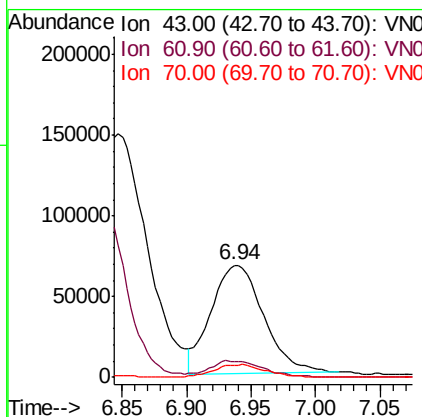
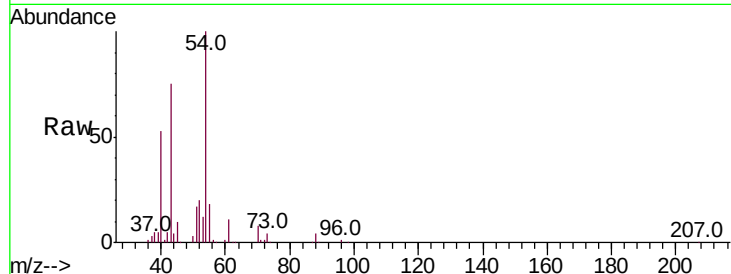
#37
Ethyl Acetate
Concen: 19.736 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	12.0	8.4	12.6

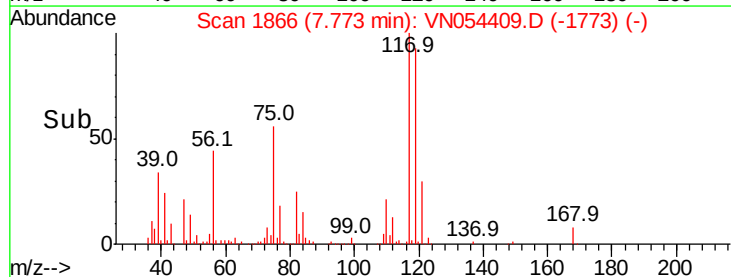
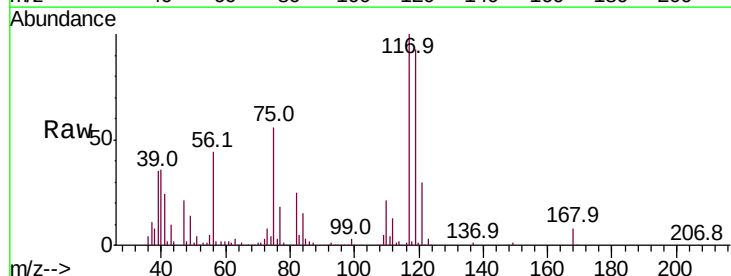
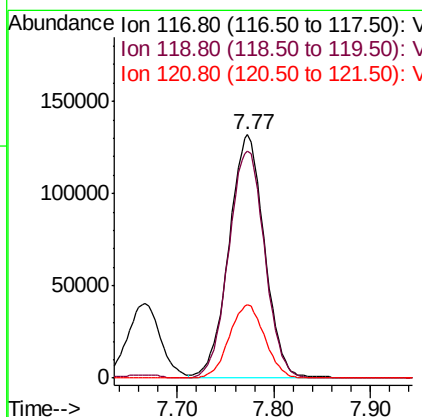
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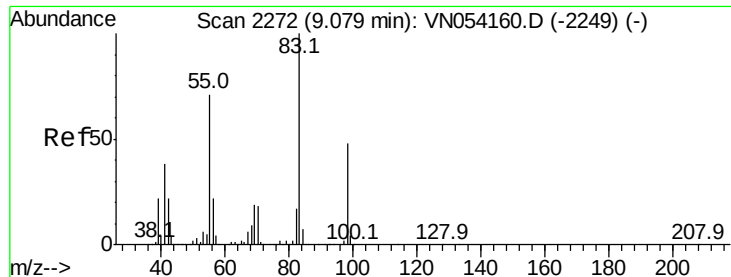
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#38
Carbon Tetrachloride
Concen: 18.959 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	76.3	114.5
121	30.5	24.6	36.8





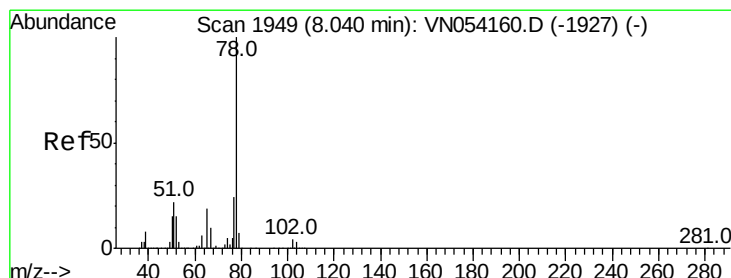
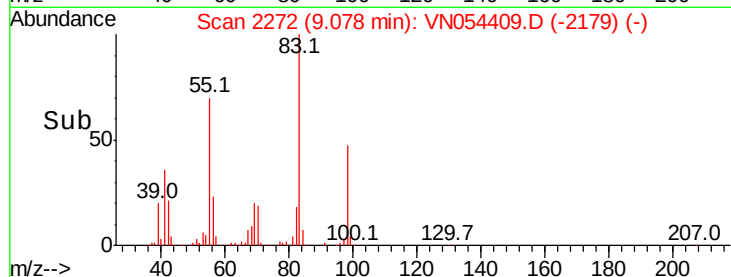
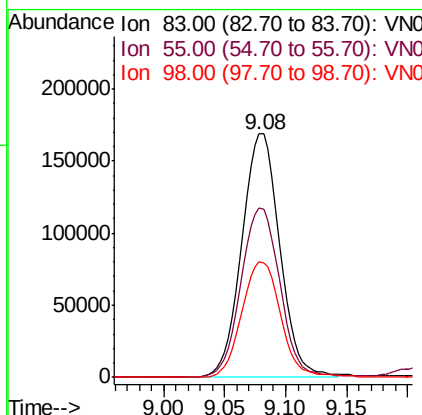
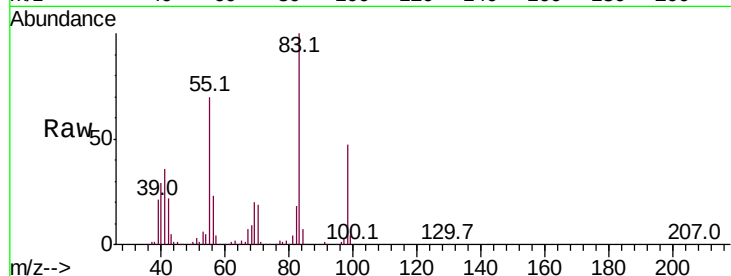
#39
Methylvlcyclohexane
Concen: 17.547 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	56.6	84.8
98	47.3	38.4	57.6

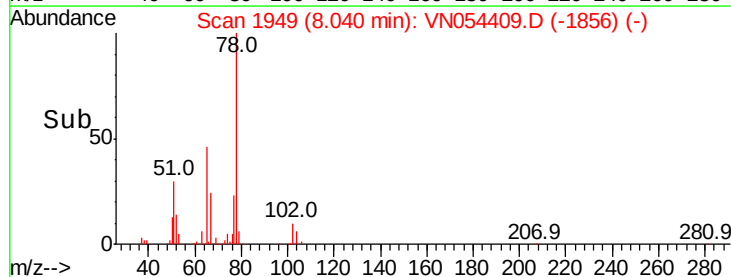
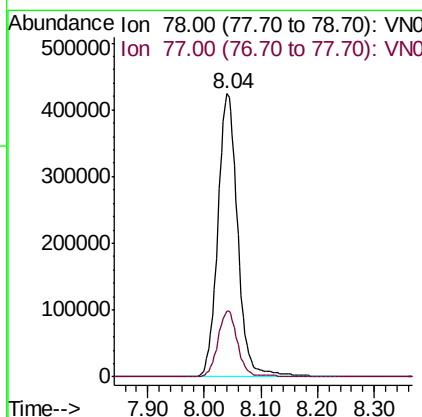
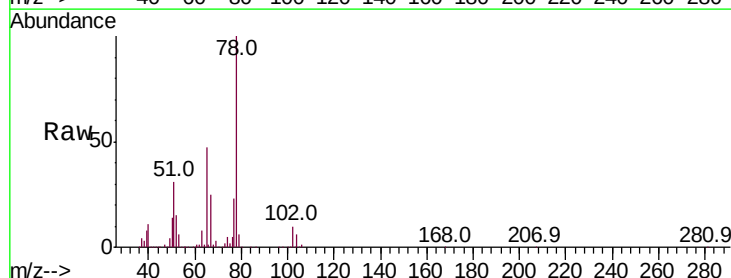
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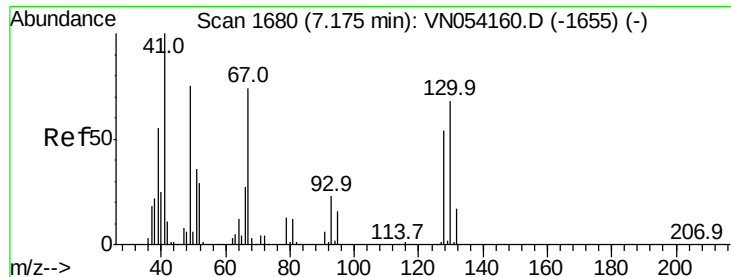
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#40
Benzene
Concen: 21.503 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





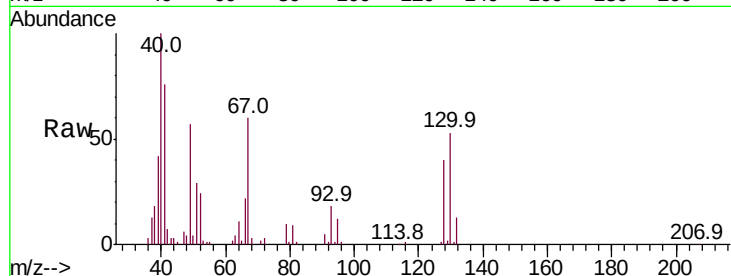
#41
Methacrylonitrile
Concen: 18.940 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

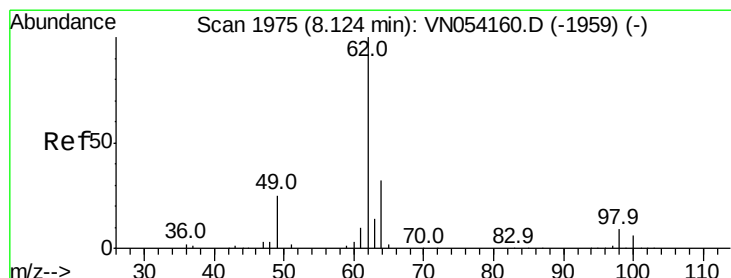
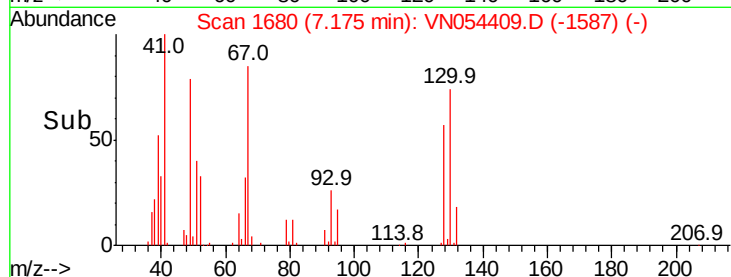
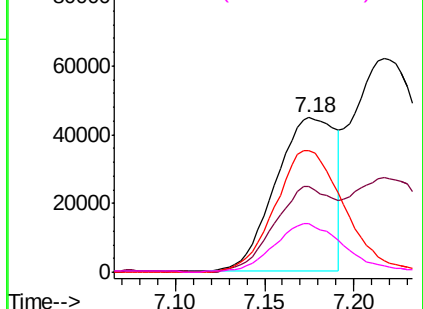
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.6	46.8	70.2	
67	92.3	67.0	100.4	
52	39.0	26.5	39.7	

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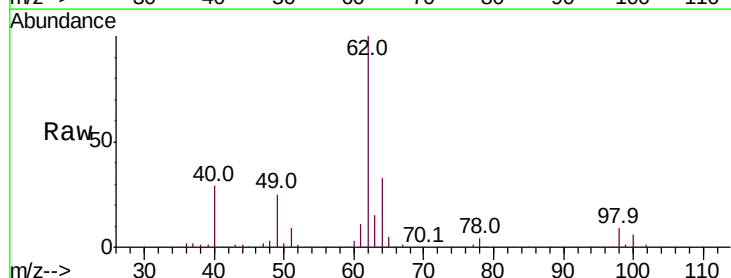


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

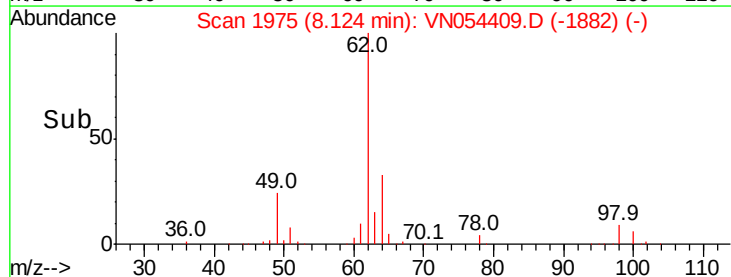
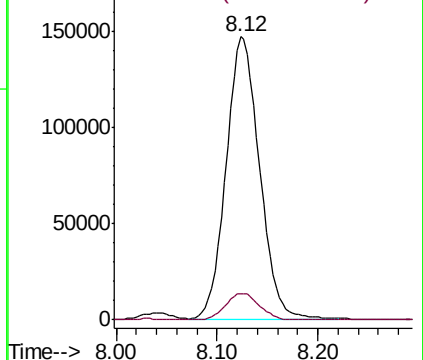


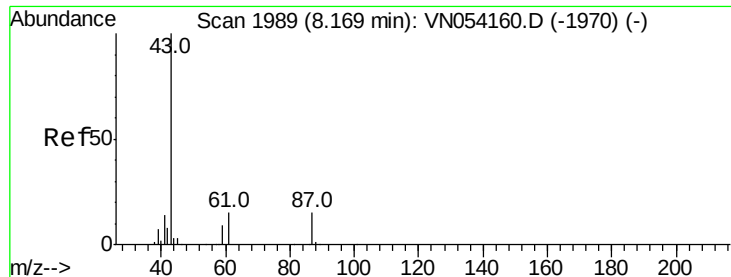
#42
1,2-Dichloroethane
Concen: 20.764 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.4	



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.572 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

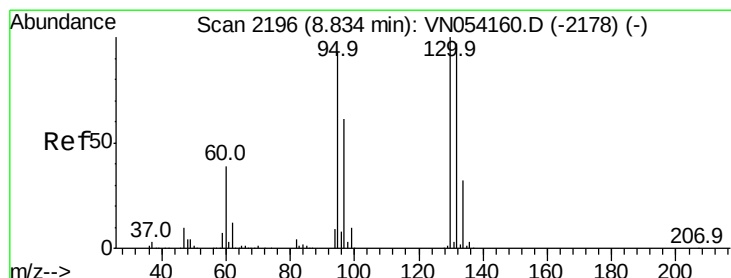
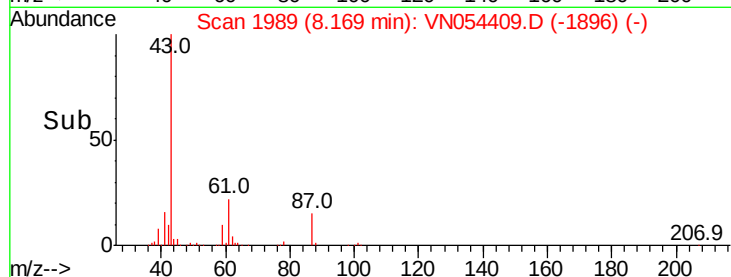
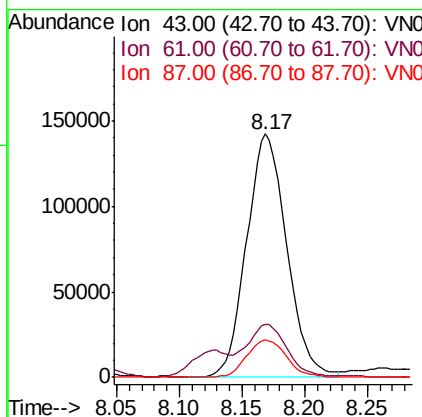
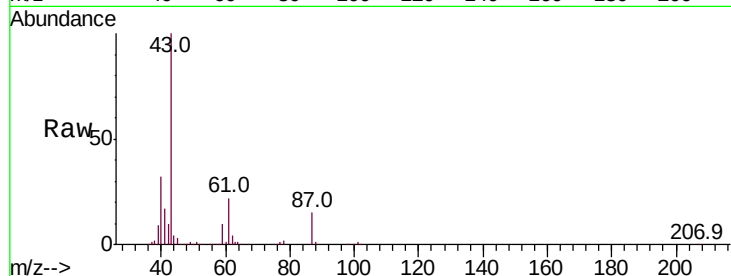
ClientSampleId :

VN0318WBS02

Tot Ion:	43	Resp:	315608
Ion	Ratio	Lower	Upper
43	100		
61	21.1	15.8	23.8
87	15.4	12.0	18.0

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#44

Trichloroethene

Concen: 20.301 ug/l

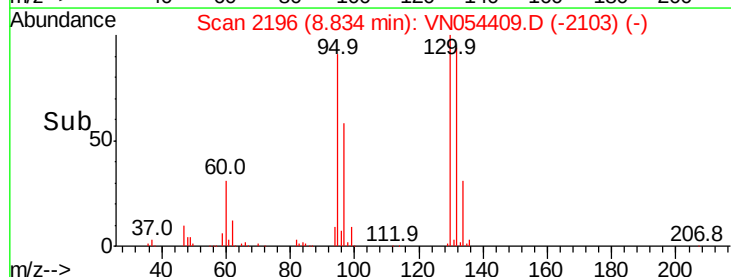
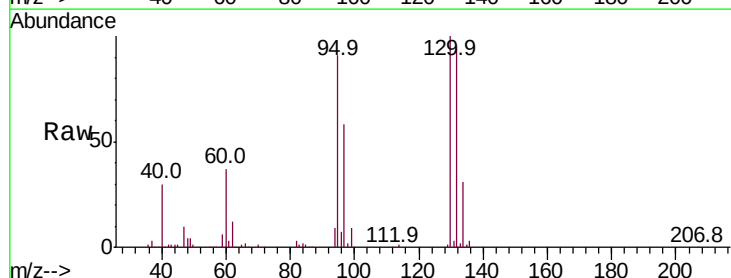
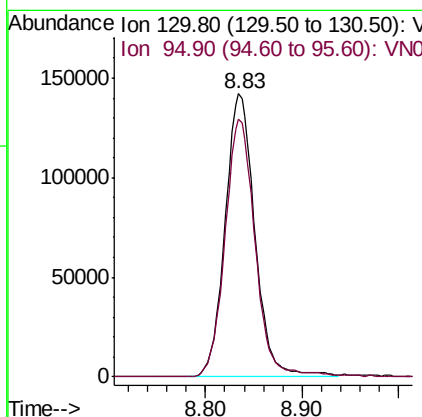
RT: 8.83 min Scan# 2196

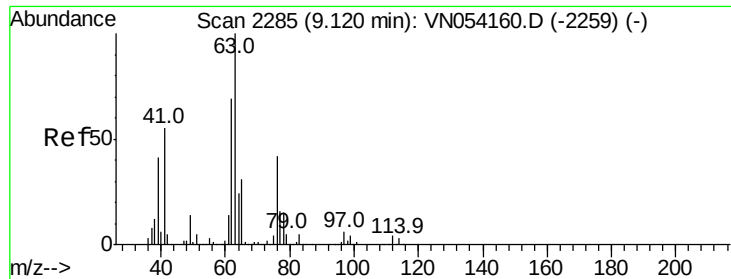
Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion:	130	Resp:	304072
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	185.2





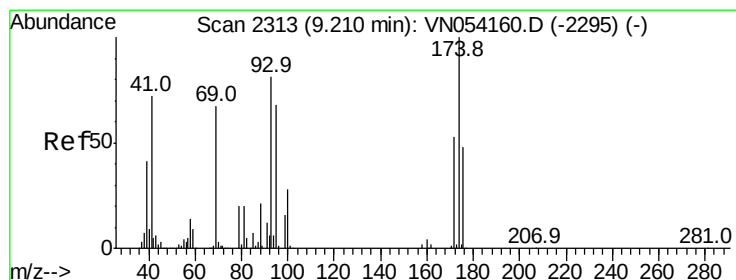
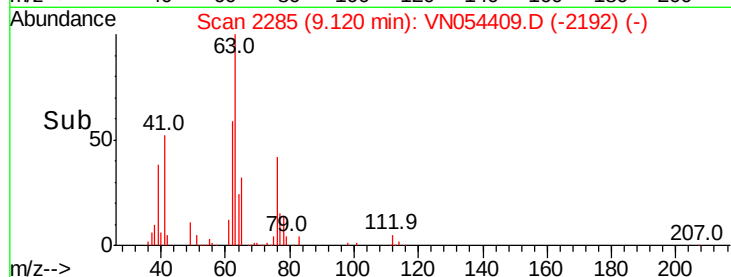
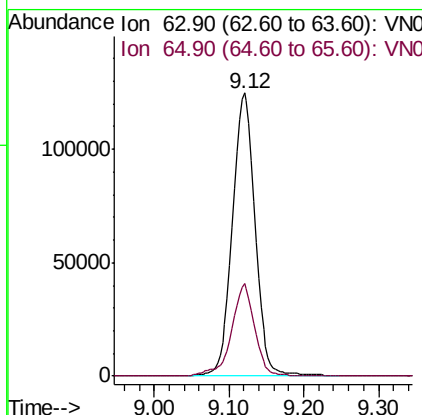
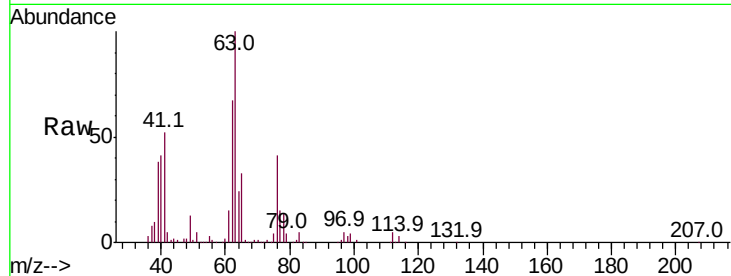
#45
 1,2-Dichloropropane
 Concen: 22.090 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion: 63 Resp: 264481
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.0 37.6

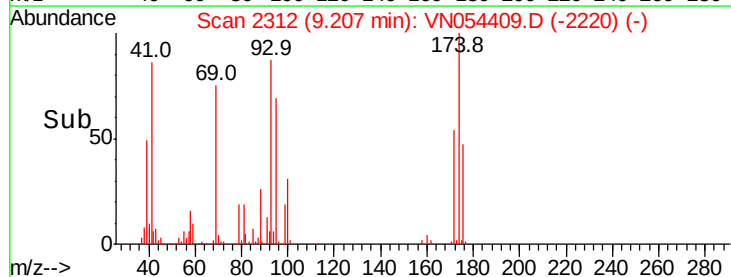
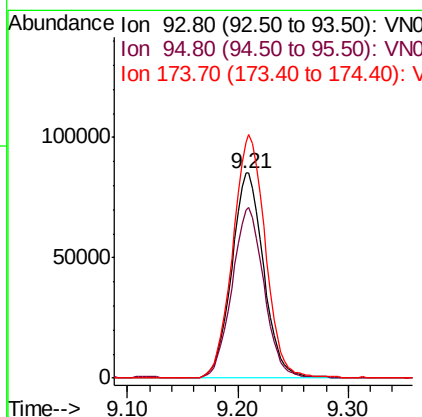
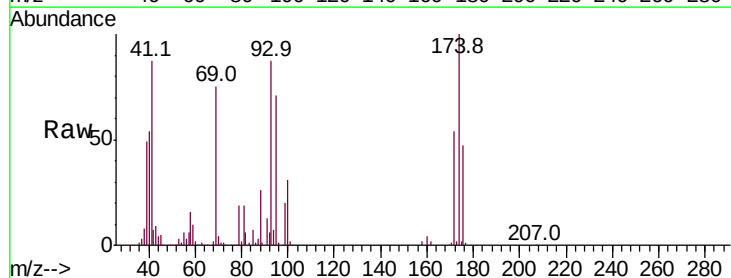
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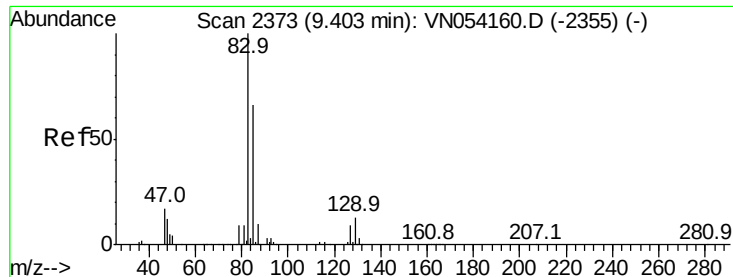
MMDadoda
 3/19/2019 9:22:38 AM



#46
 Dibromomethane
 Concen: 21.163 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion: 93 Resp: 171198
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 121.0 98.5 147.7





#47

Bromodichloromethane

Concen: 20.283 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

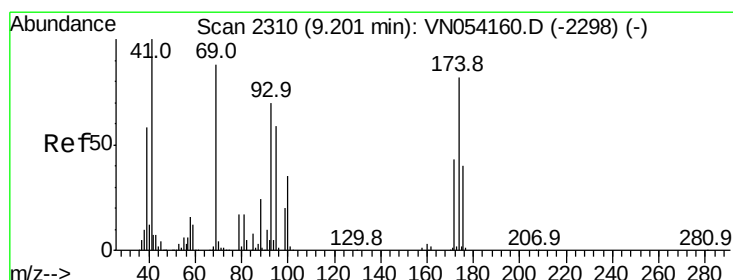
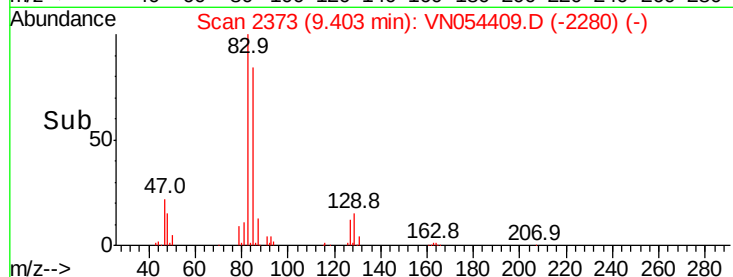
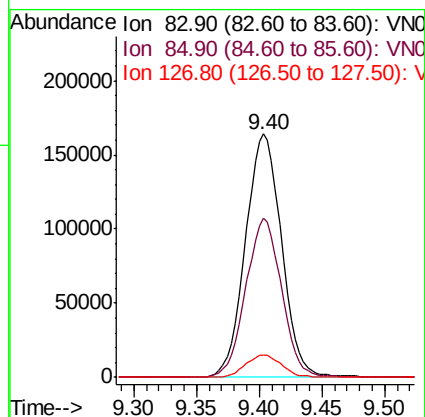
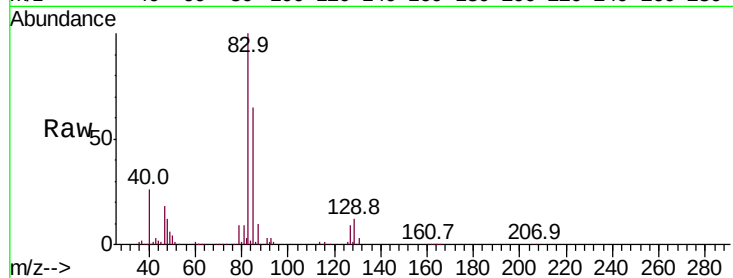
ClientSampleId :

VN0318WBS02

Tot Ion	83	Resp	328933
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.8	79.2
127	9.3	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.355 ug/l

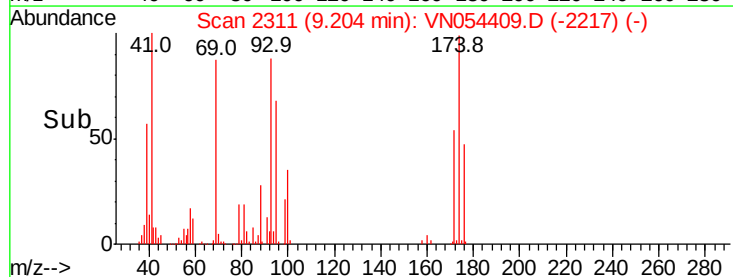
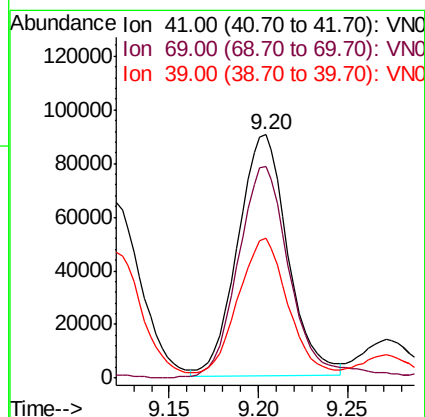
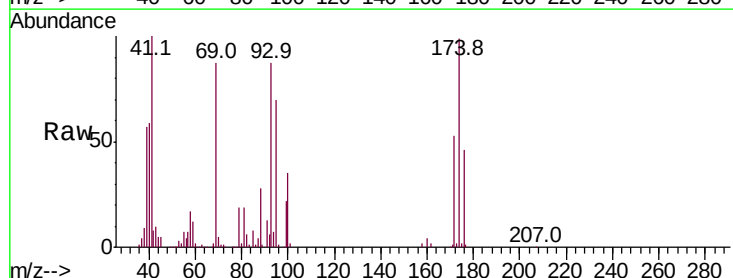
RT: 9.20 min Scan# 2311

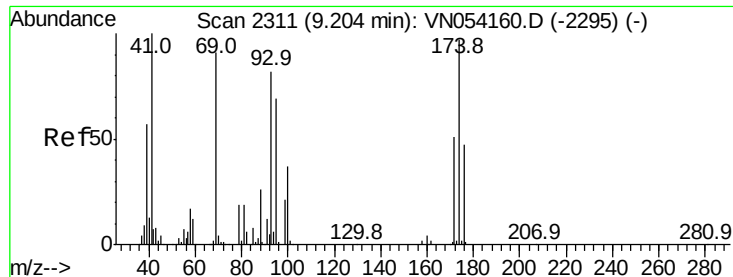
Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion	41	Resp	175543
Ion Ratio	Lower	Upper	
41	100		
69	90.6	72.6	108.8
39	57.7	47.5	71.3





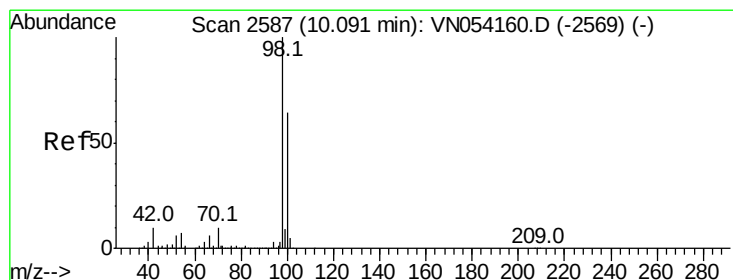
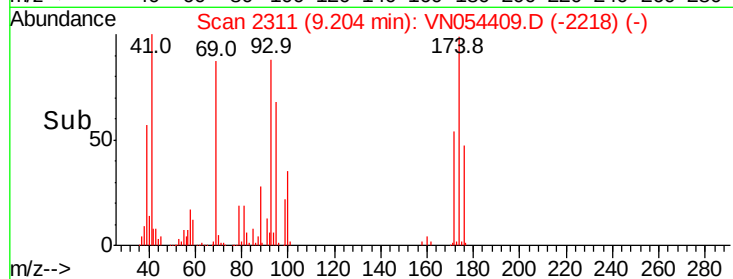
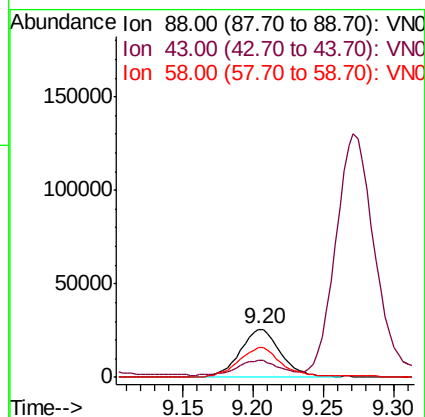
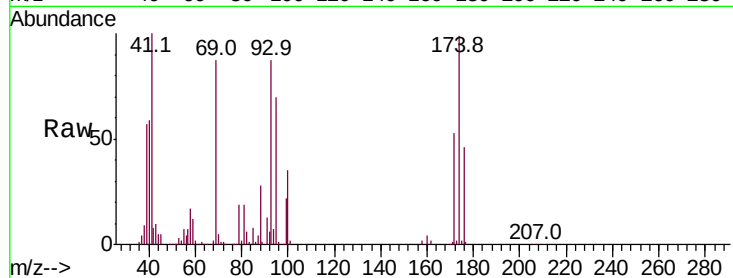
#49
1,4-Dioxane
Concen: 427.548 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	24.1	36.1
58	63.9	50.8	76.2

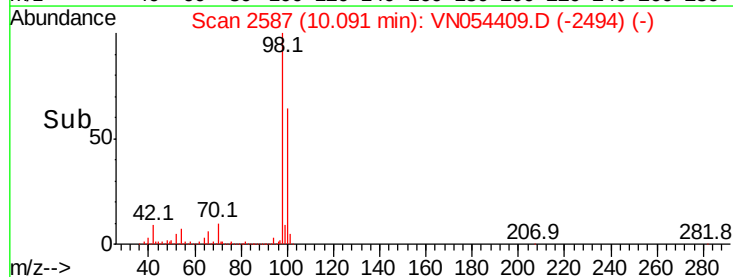
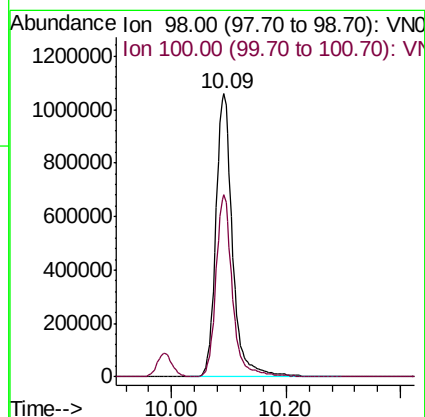
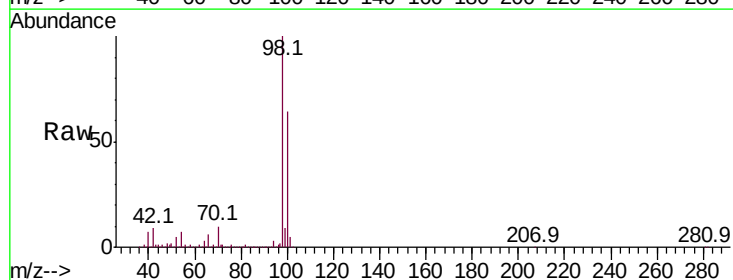
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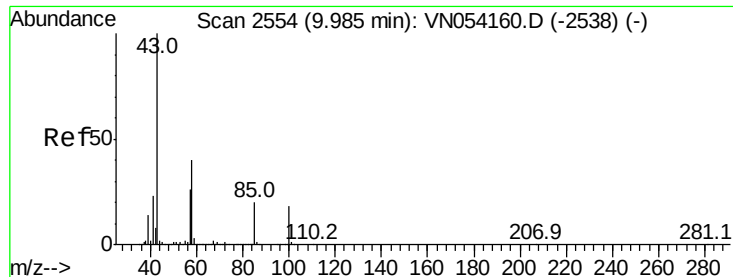
MMDadoda
3/19/2019 9:22:38 AM



#50
Toluene-d8
Concen: 49.290 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.323 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 43 Resp: 956181

Ion Ratio Lower Upper

43 100

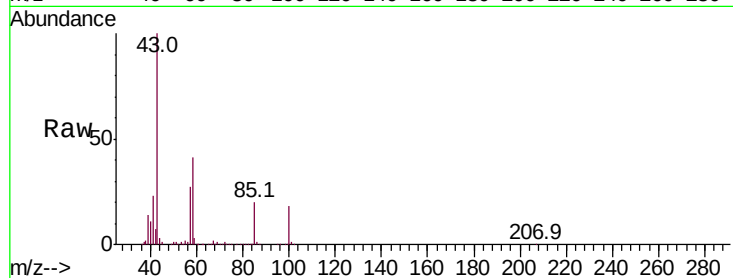
58 40.6 31.8 47.6

Manual Integrations

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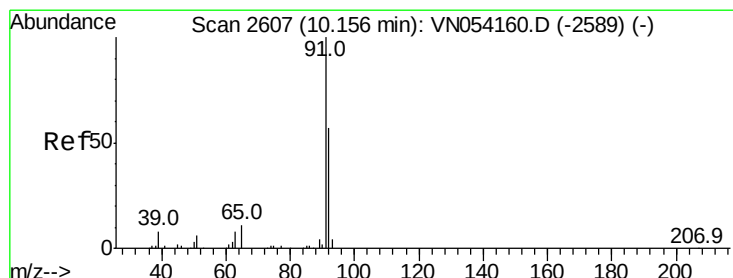
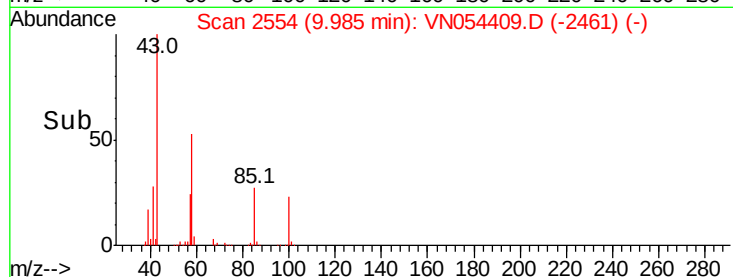
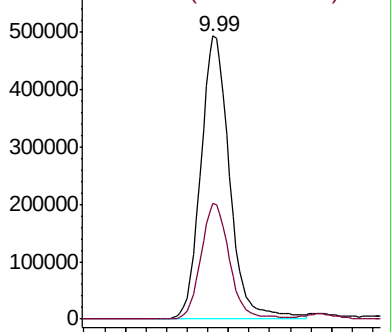
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.760 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054409.D

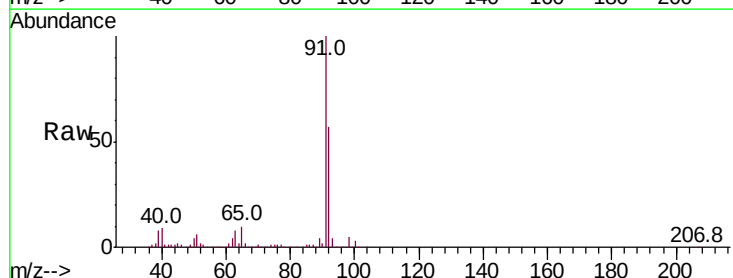
Acq: 18 Mar 2019 23:06

Tgt Ion: 92 Resp: 634676

Ion Ratio Lower Upper

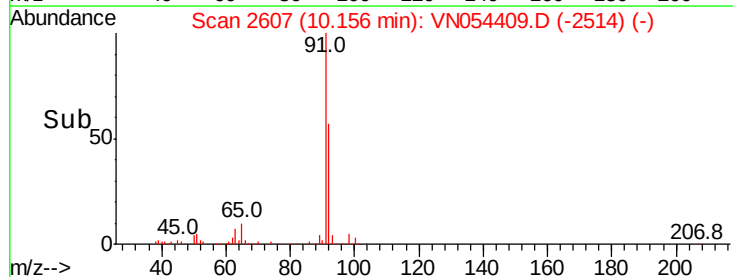
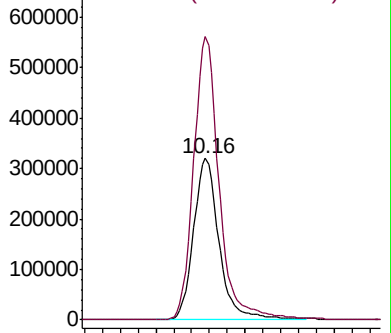
92 100

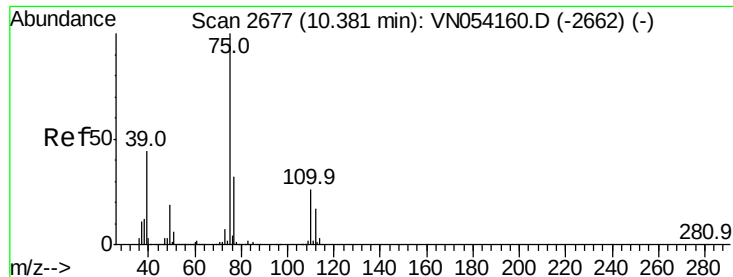
91 176.6 140.7 211.1



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: 16.363 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 75 Resp: 277694

Ion Ratio Lower Upper

75 100

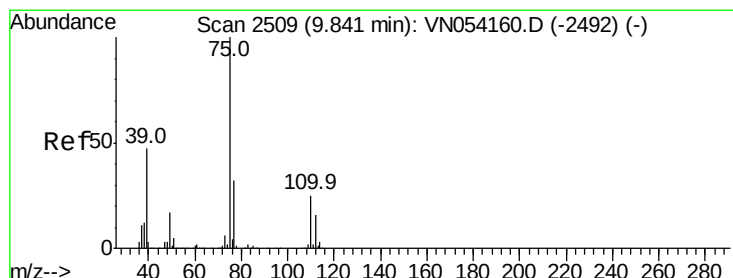
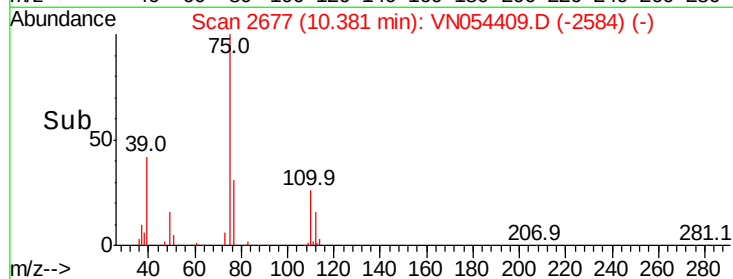
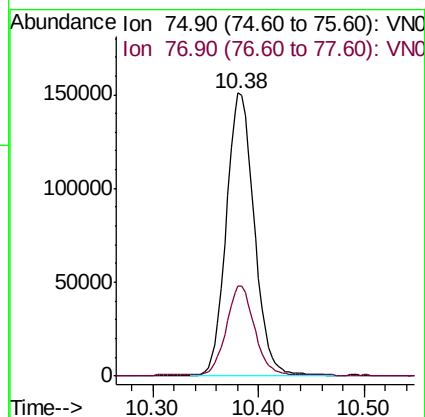
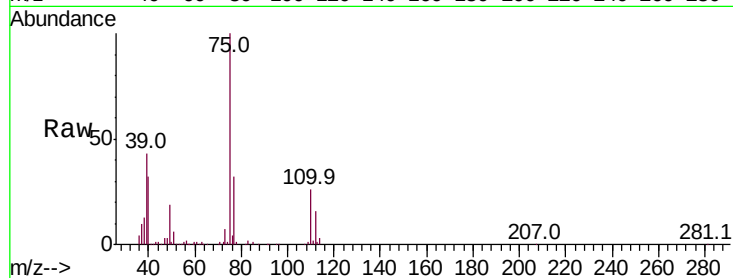
77 31.6 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.662 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

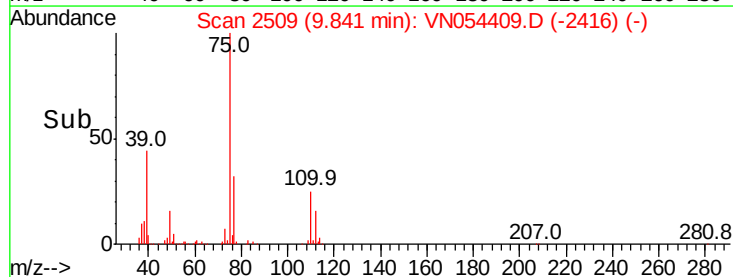
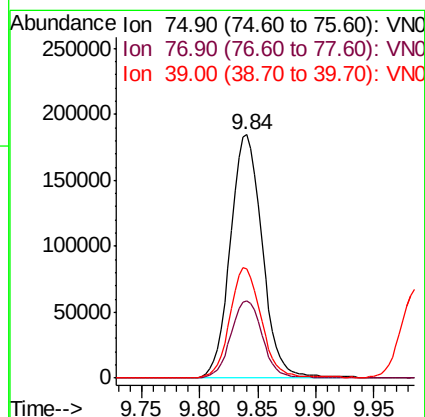
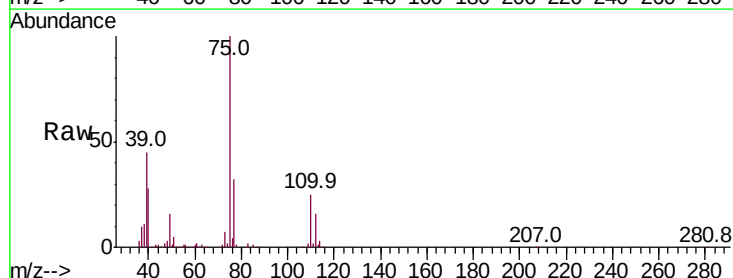
Tgt Ion: 75 Resp: 352669

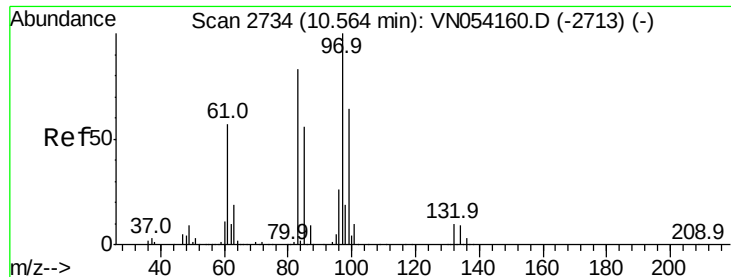
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 44.7 37.2 55.8





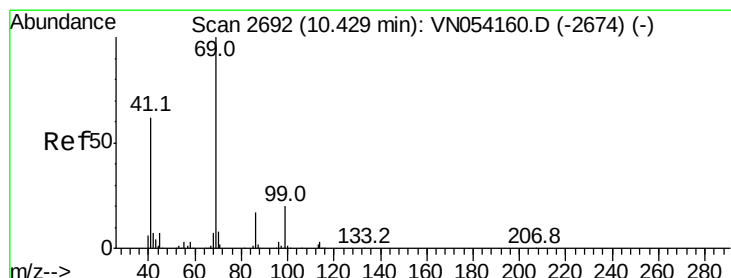
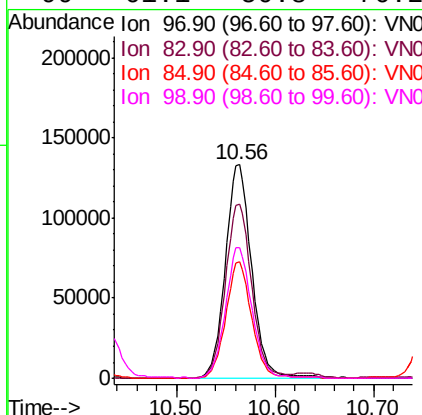
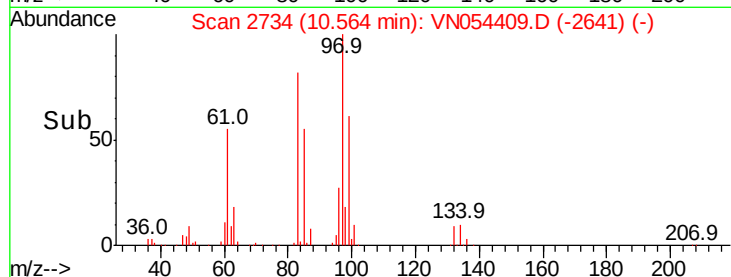
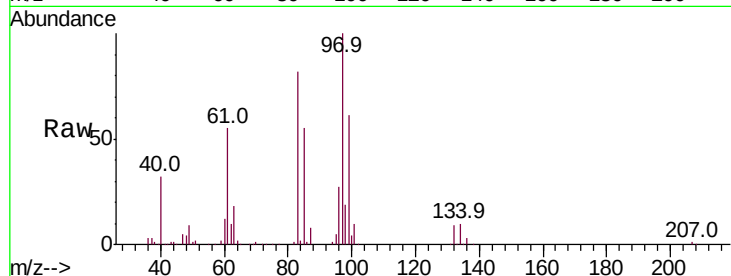
#55
 1,1,2-Trichloroethane
 Concen: 22.333 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		249310		
83	81.8	66.6	100.0		
85	54.5	44.4	66.6		
99	61.1	50.8	76.2		

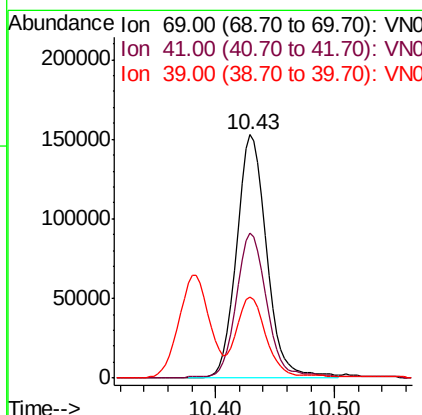
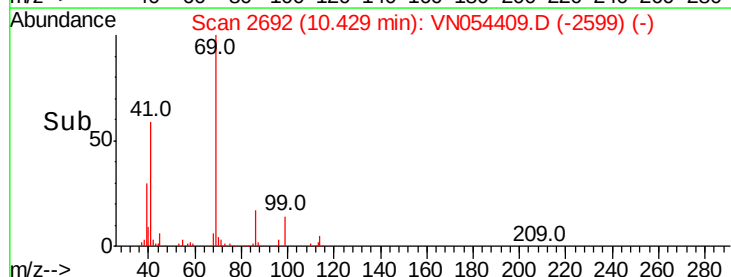
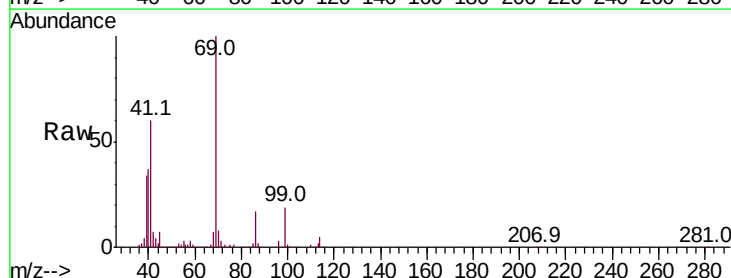
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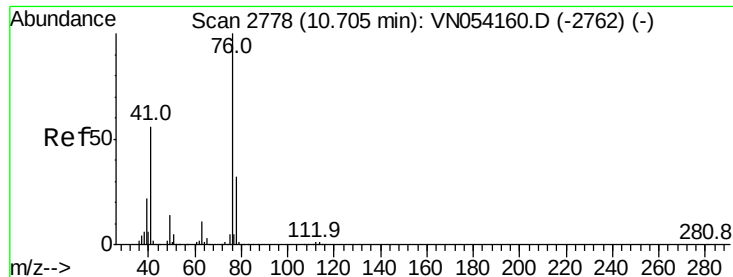
MMDadoda
 3/19/2019 9:22:38 AM



#56
 Ethyl methacrylate
 Concen: 20.190 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		268749		
41	59.8	49.4	74.2		
39	33.3	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 21.638 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 76 Resp: 394965

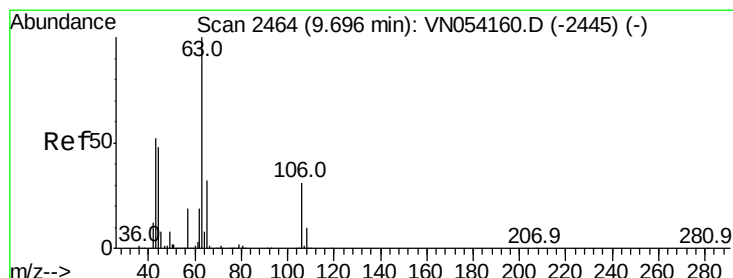
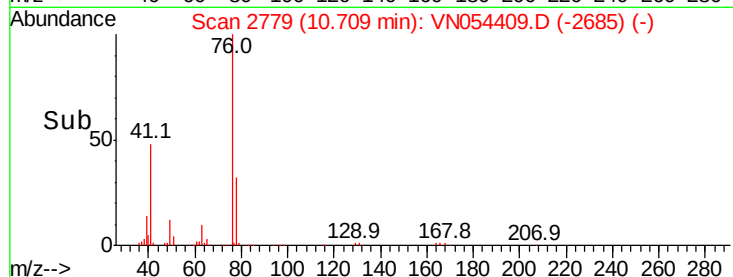
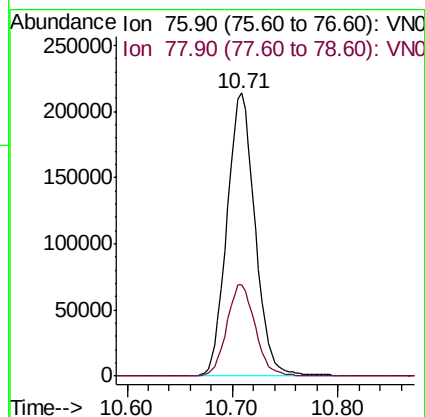
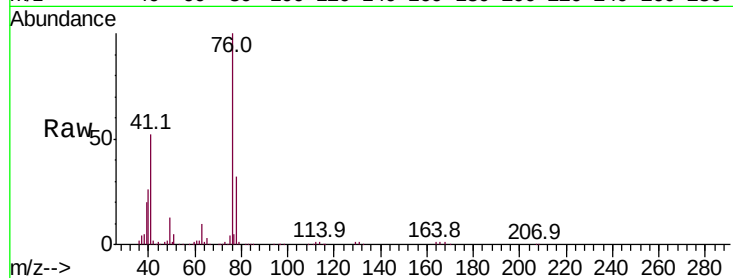
Ion Ratio Lower Upper

76 100

78 32.8 25.7 38.5

Manual Integrations
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3/19/2019 9:22:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.459 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054409.D

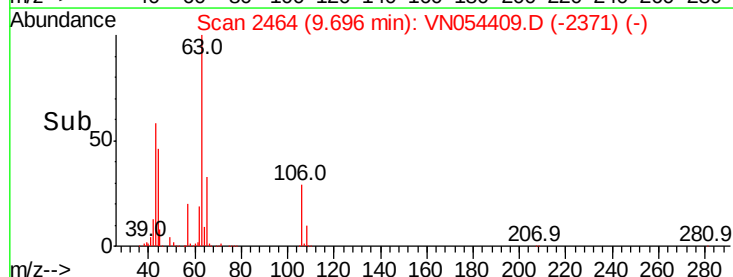
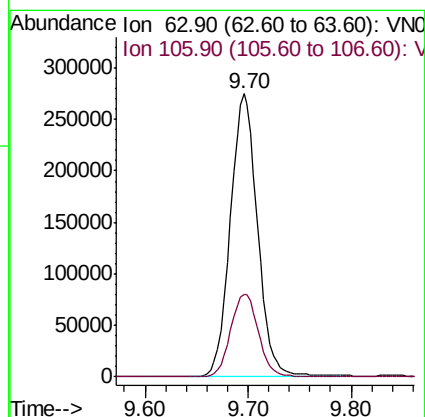
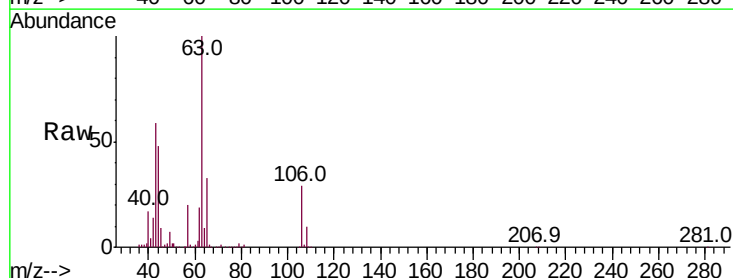
Acq: 18 Mar 2019 23:06

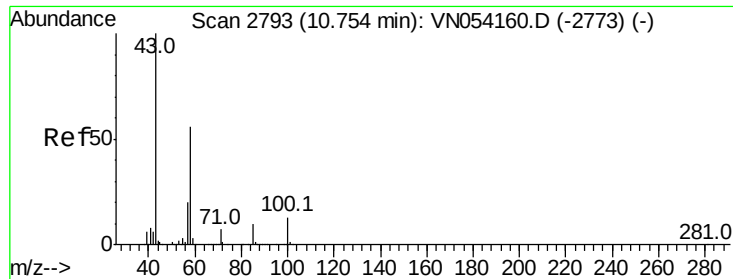
Tgt Ion: 63 Resp: 505421

Ion Ratio Lower Upper

63 100

106 29.8 24.4 36.6





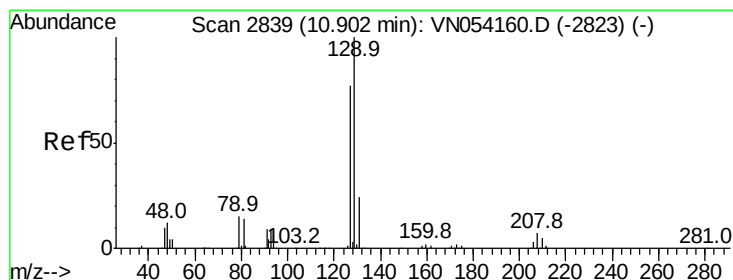
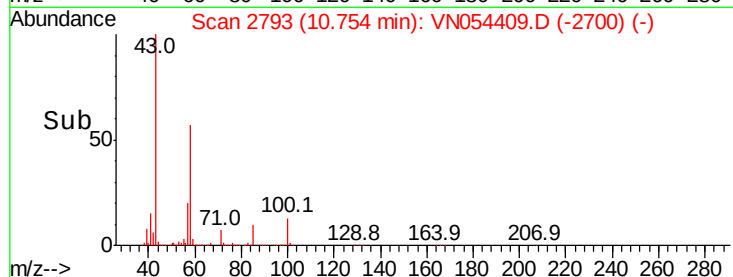
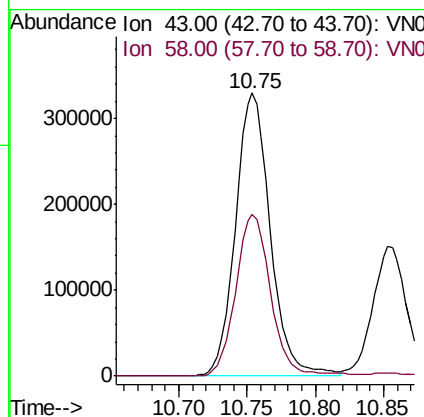
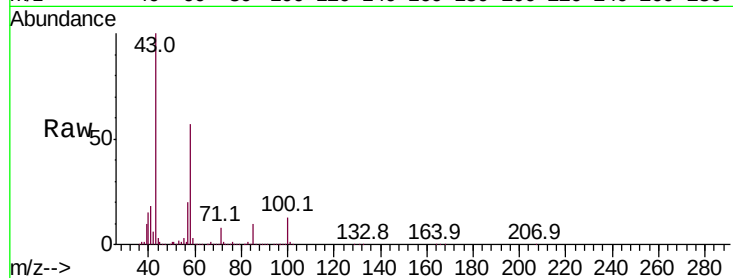
#59
2-Hexanone
Concen: 96.792 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.0	28.0	83.9

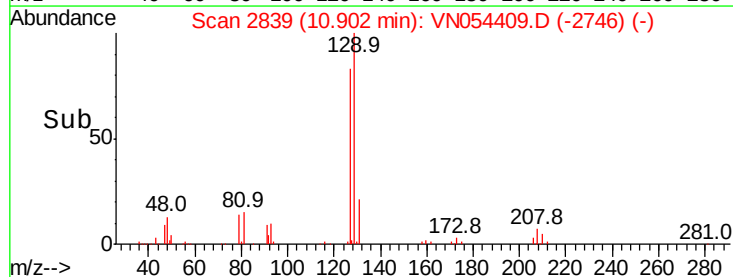
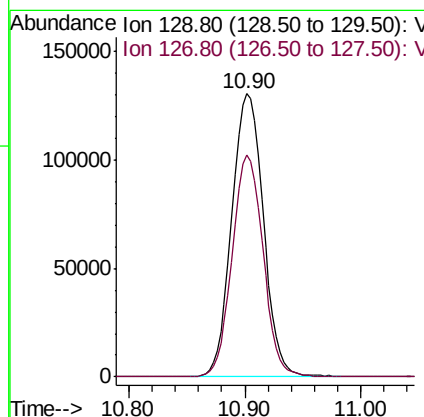
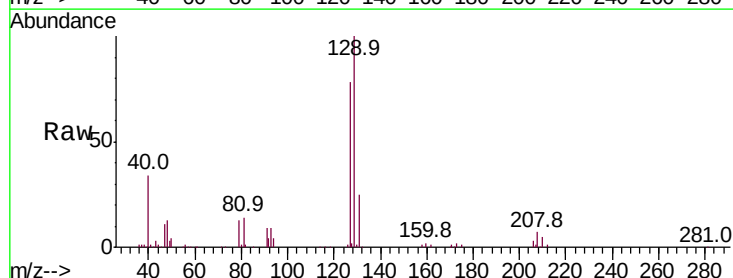
Manual Integrations
APPROVED

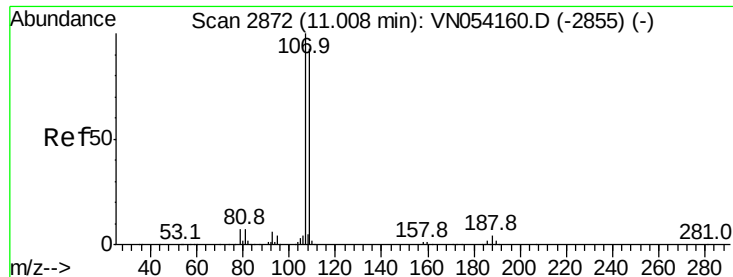
MMDadoda
3/19/2019 9:22:38 AM



#60
Dibromochloromethane
Concen: 19.650 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.864 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion: 107 Resp: 236682

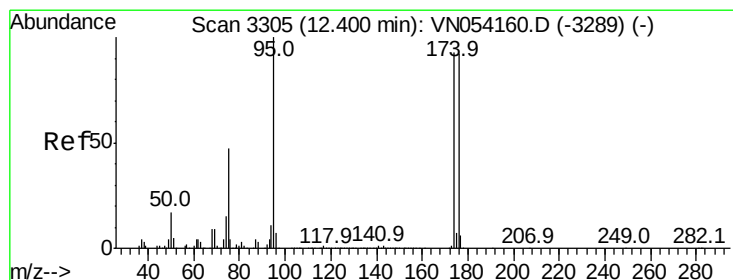
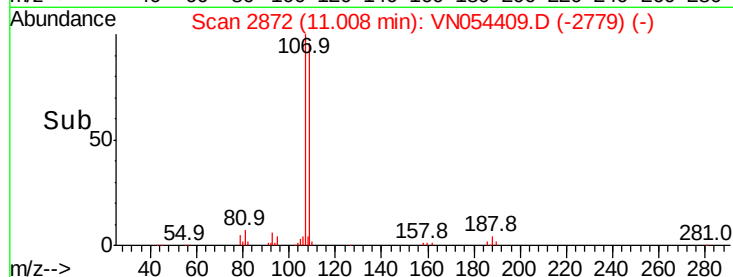
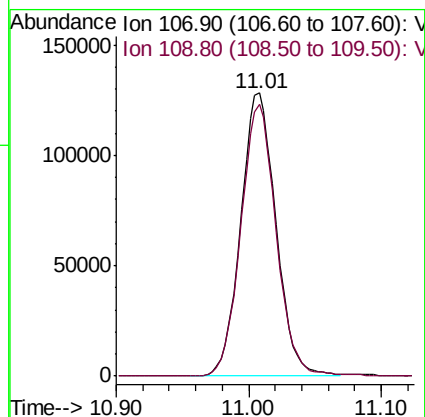
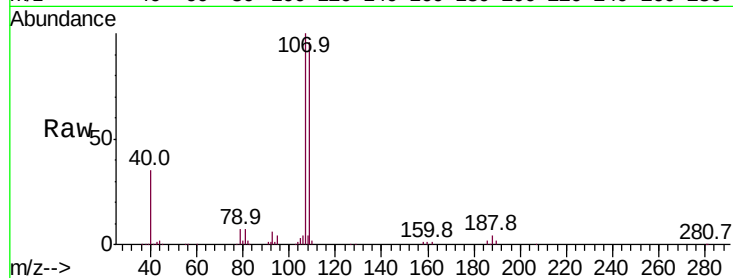
Ion Ratio Lower Upper

107 100

109 96.6 75.9 113.9

Manual Integrations
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3/19/2019 9:22:38 AM



#62

4-Bromofluorobenzene

Concen: 46.531 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

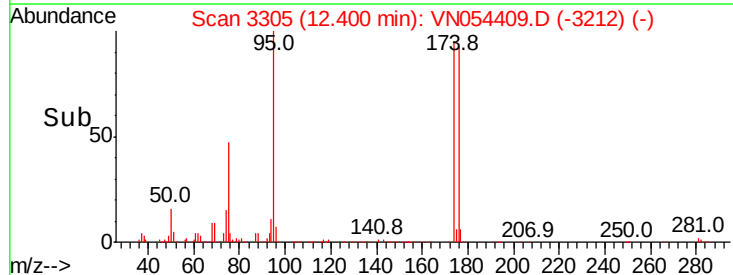
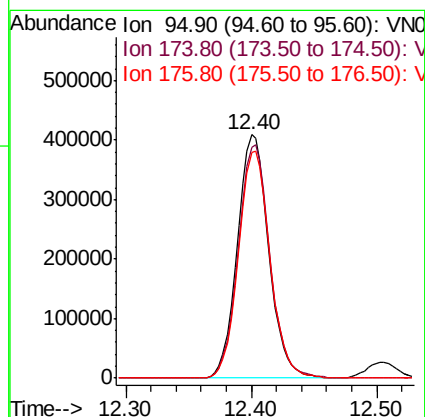
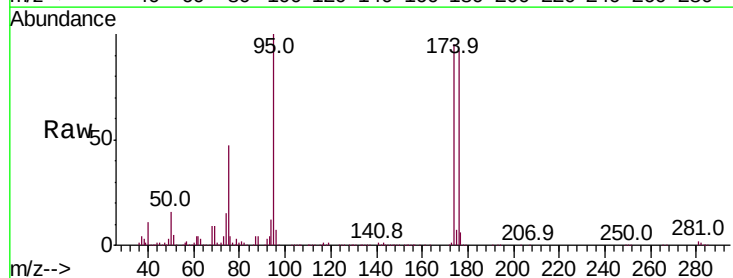
Tgt Ion: 95 Resp: 709560

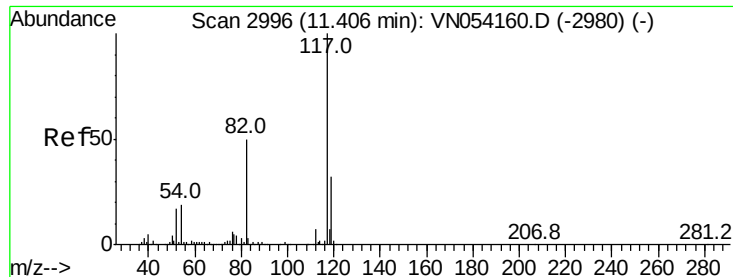
Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.0

176 93.9 0.0 187.4





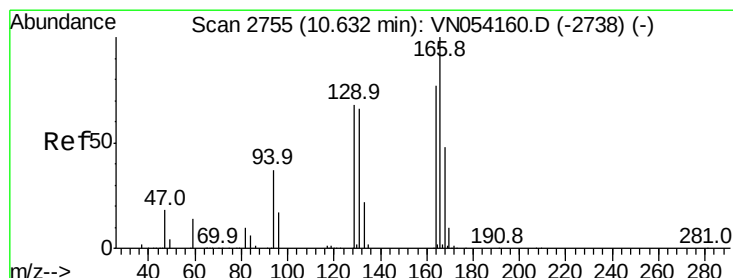
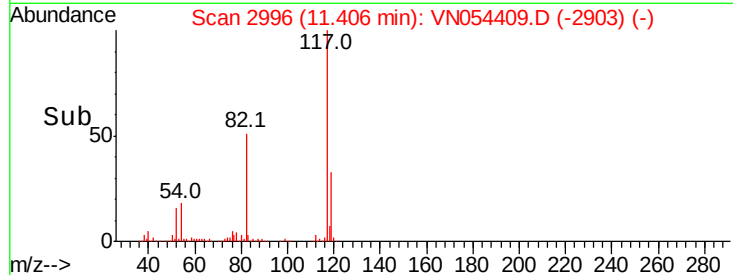
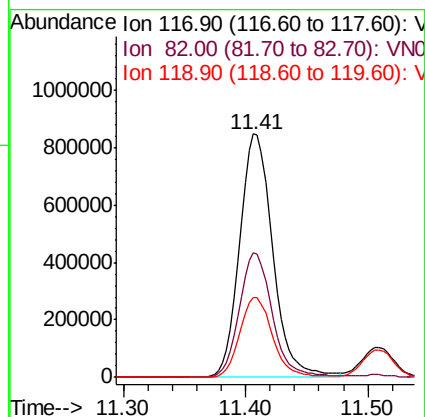
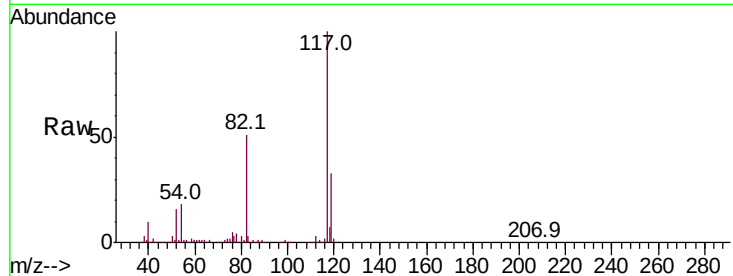
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	40.0	60.0
119	32.7	25.8	38.6

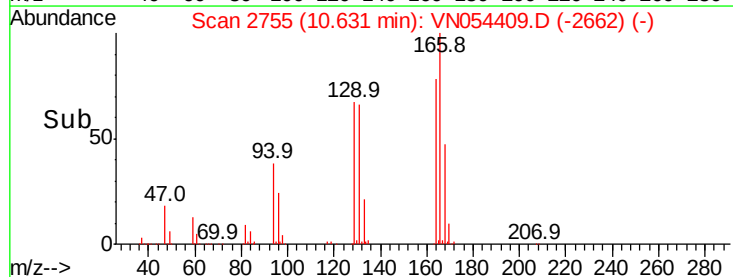
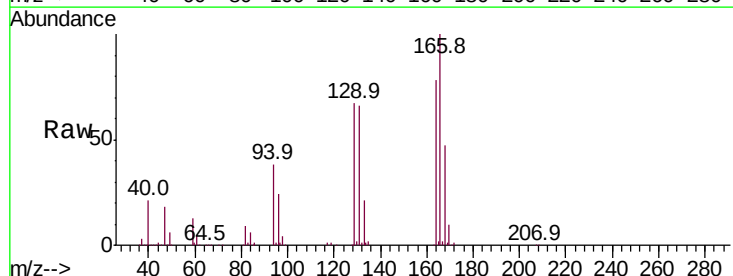
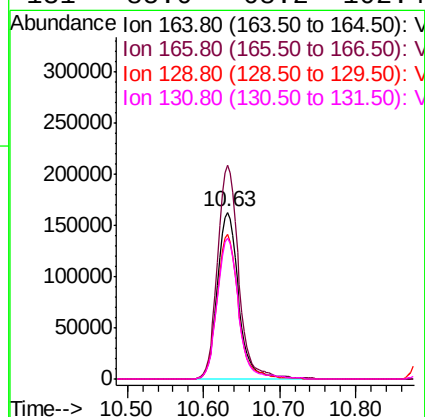
Manual Integrations
APPROVED

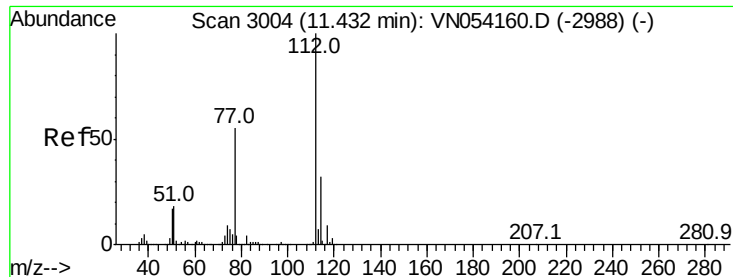
MMDadoda
3/19/2019 9:22:38 AM



#64
Tetrachloroethene
Concen: 20.461 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.9	155.9
129	86.6	71.1	106.7
131	85.0	68.2	102.4





#65

Chlorobenzene

Concen: 20.948 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion:112 Resp: 732516

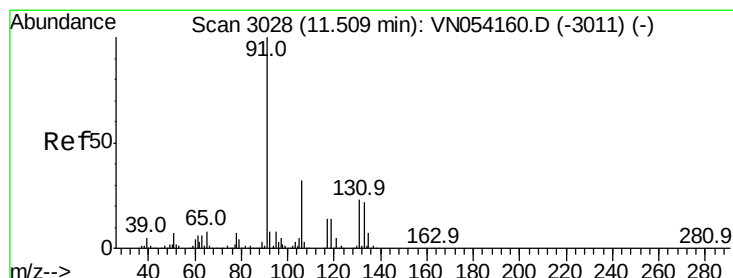
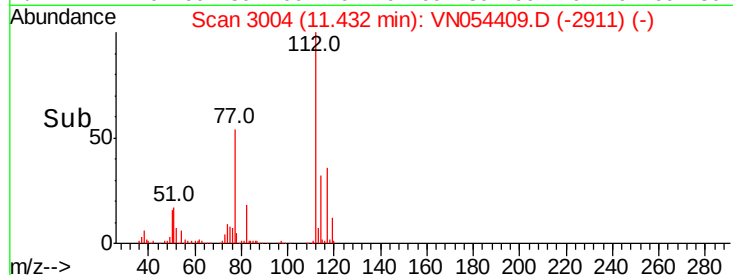
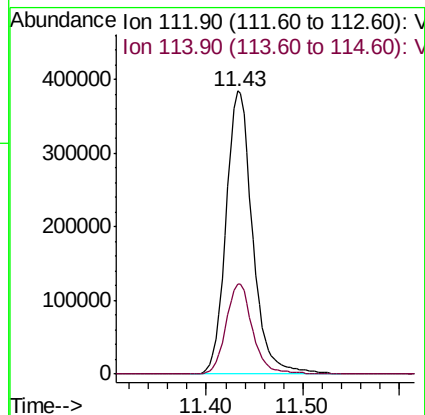
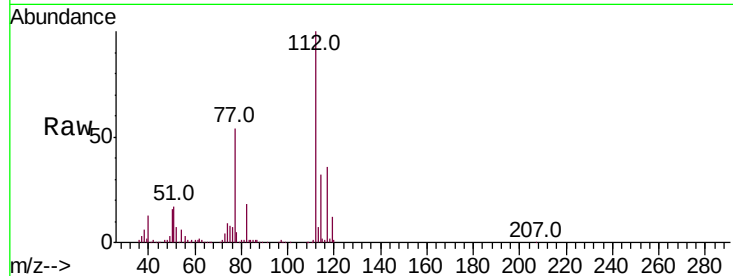
Ion Ratio Lower Upper

112 100

114 31.9 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.746 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

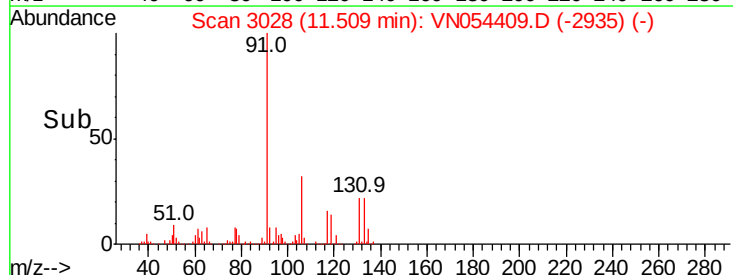
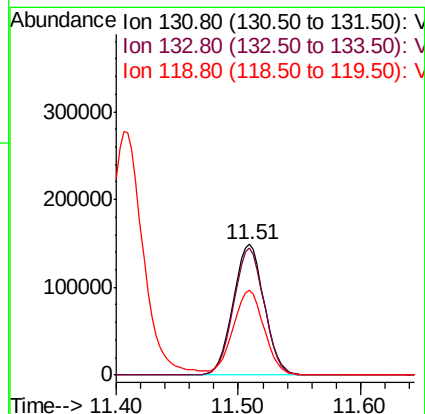
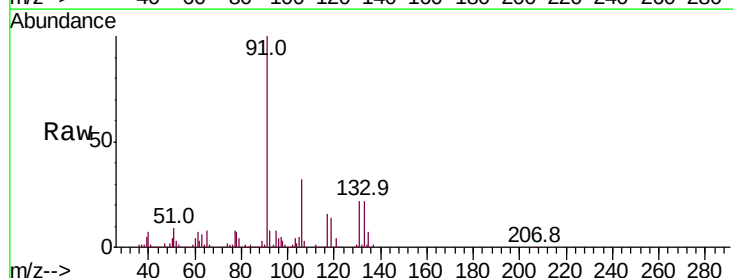
Tgt Ion:131 Resp: 263533

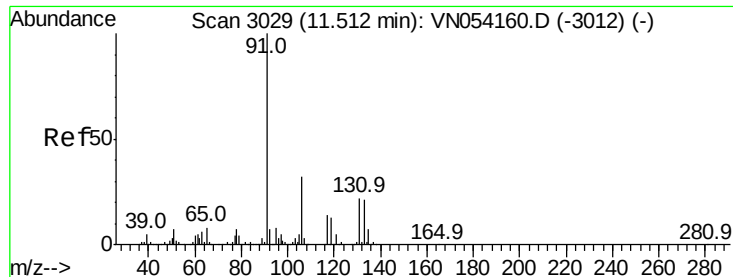
Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

119 64.6 32.4 97.0





#67

Ethyl Benzene

Concen: 20.548 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

Tot Ion: 91 Resp: 1191028

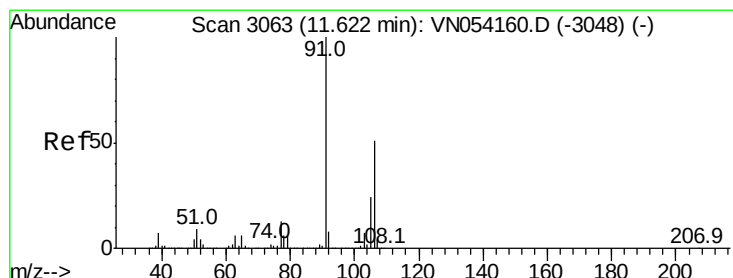
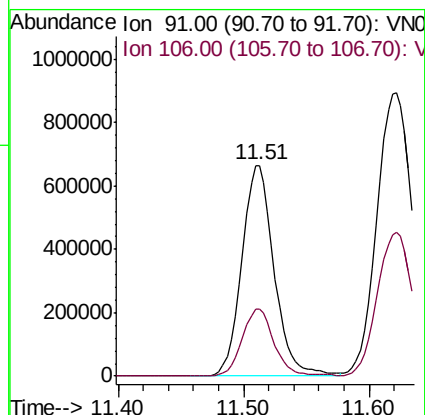
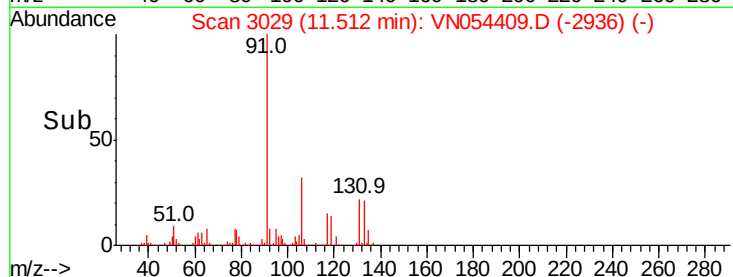
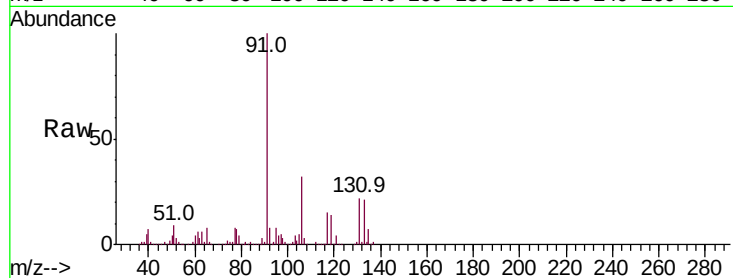
Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.154 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054409.D

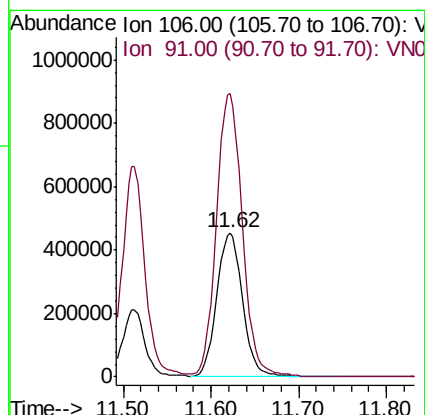
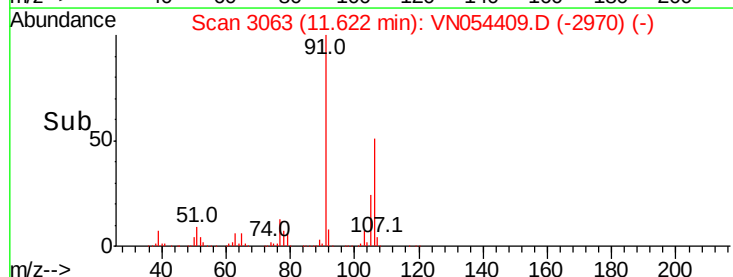
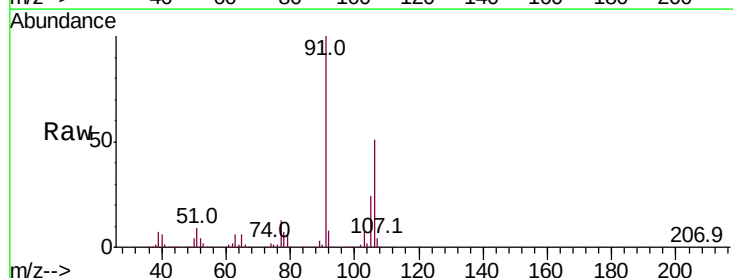
Acq: 18 Mar 2019 23:06

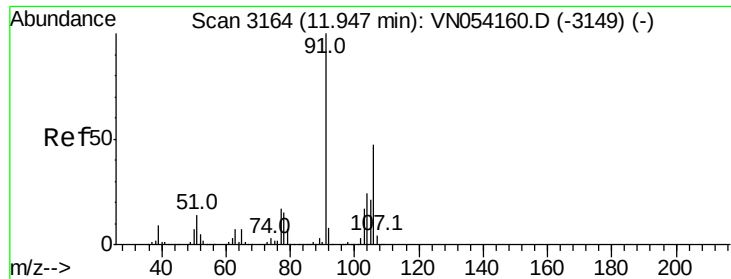
Tgt Ion: 106 Resp: 932350

Ion Ratio Lower Upper

106 100

91 197.4 159.4 239.2





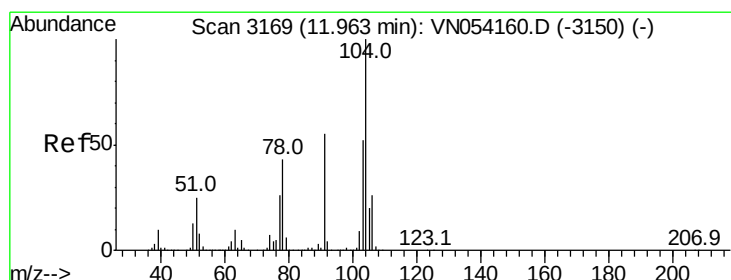
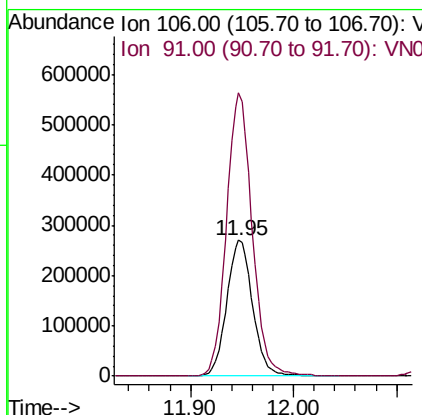
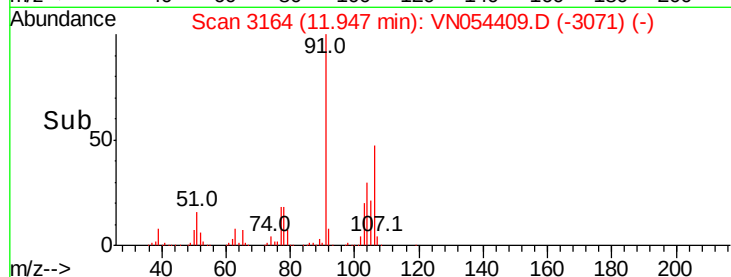
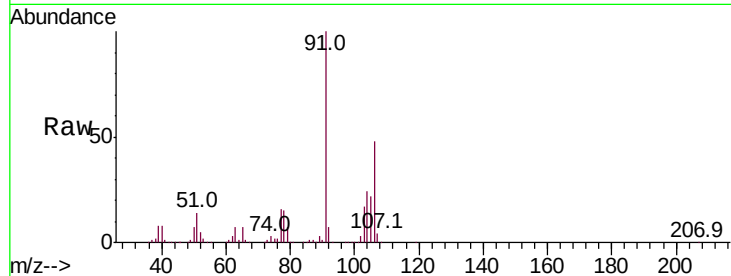
#69
o-Xylene
Concen: 21.369 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion:106 Resp: 471934
Ion Ratio Lower Upper
106 100
91 207.2 105.7 317.1

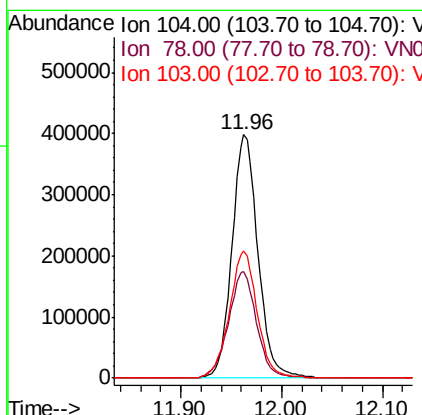
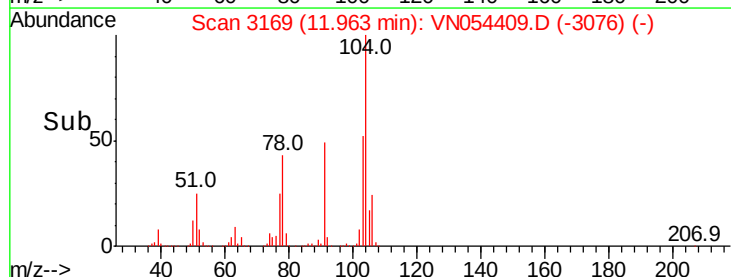
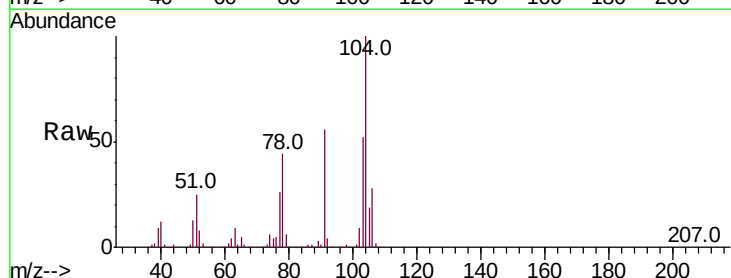
Manual Integrations
APPROVED

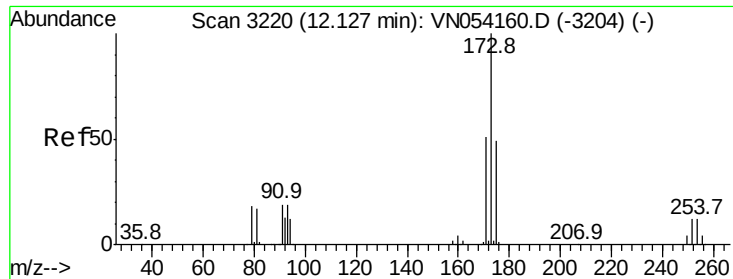
MMDadoda
3/19/2019 9:22:38 AM



#70
Styrene
Concen: 20.630 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion:104 Resp: 714561
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 56.1 44.4 66.6





#71

Bromoform

Concen: 17.576 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

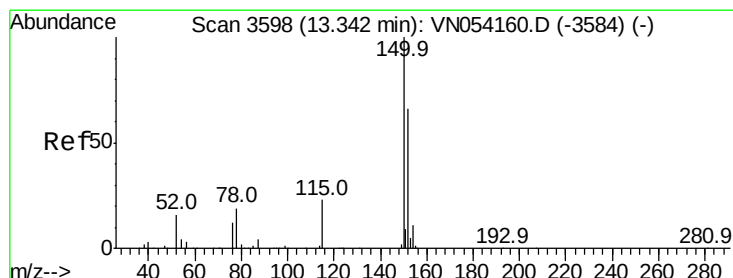
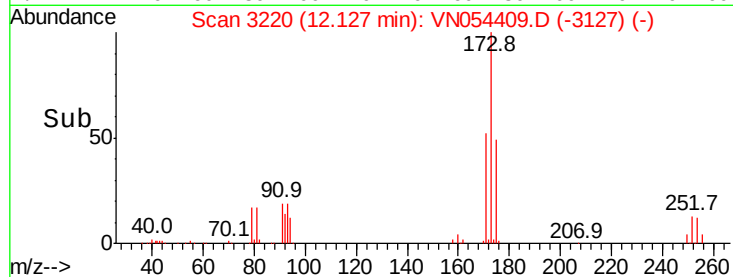
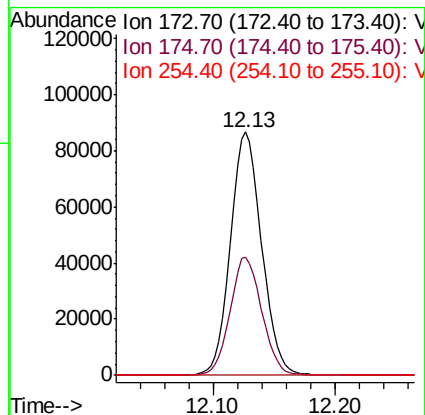
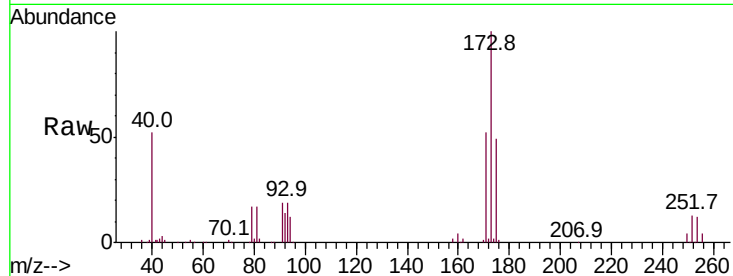
ClientSampleId :

VN0318WBS02

Tot Ion:	173	Resp:	154703
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

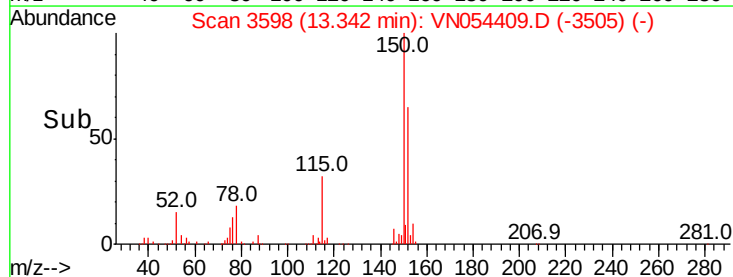
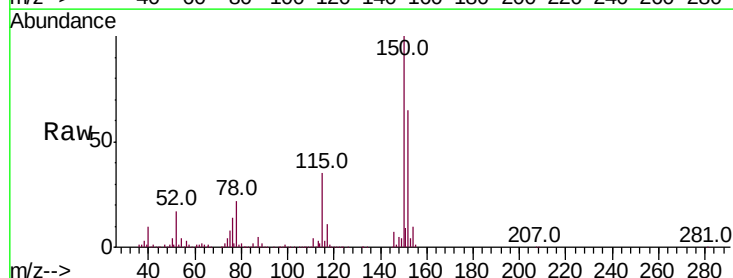
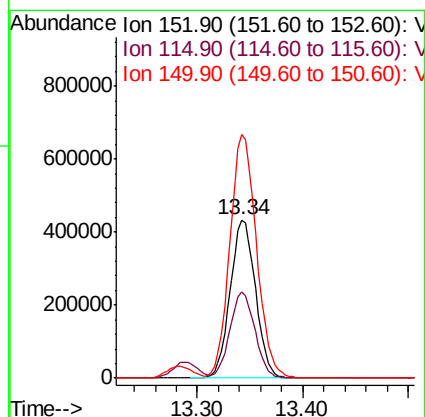
RT: 13.34 min Scan# 3598

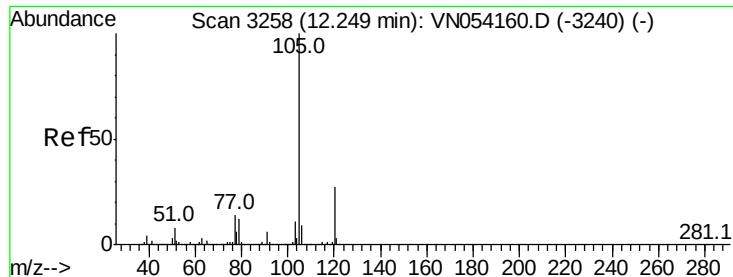
Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion:	152	Resp:	717899
Ion Ratio	Lower	Upper	
152	100		
115	54.0	27.2	81.6
150	161.5	0.0	349.2





#73

Isopropylbenzene

Concen: 21.106 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion:105 Resp: 1212236

Ion Ratio Lower Upper

105 100

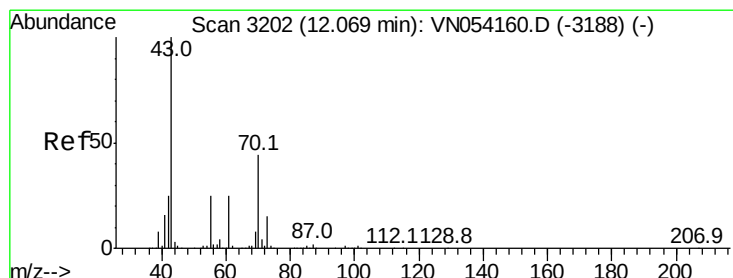
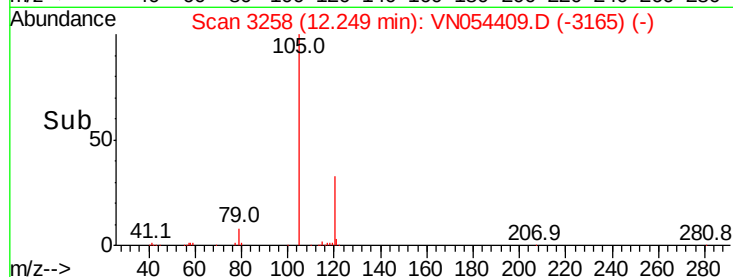
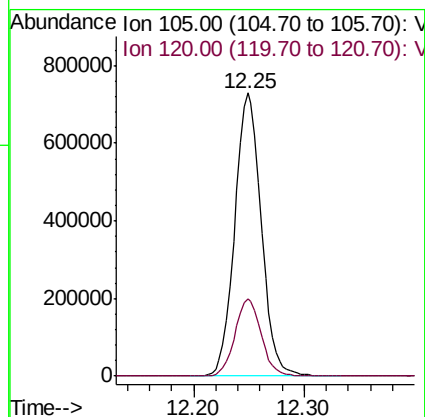
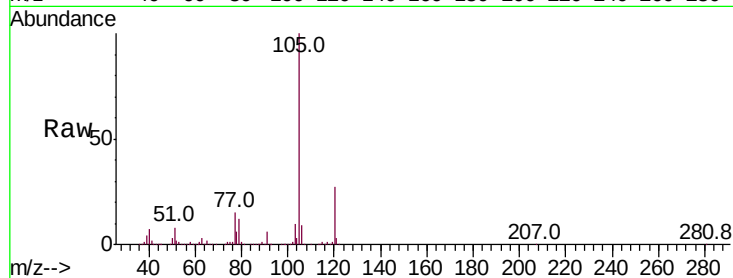
120 27.2 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.706 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion: 43 Resp: 251234

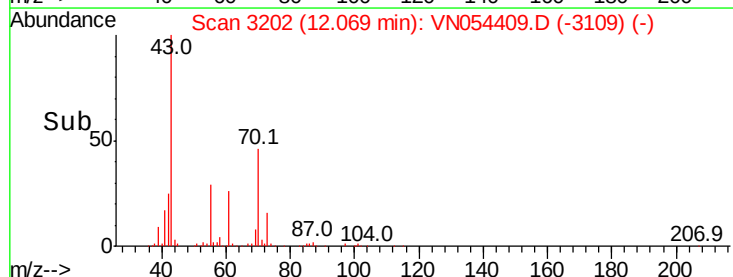
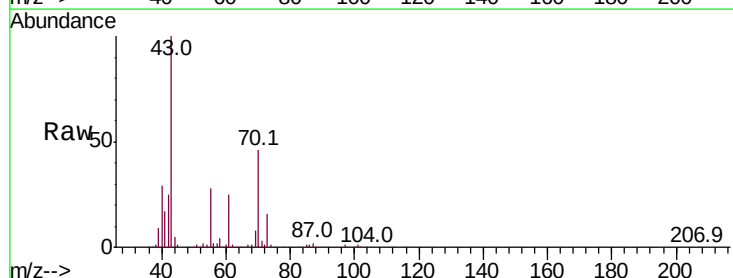
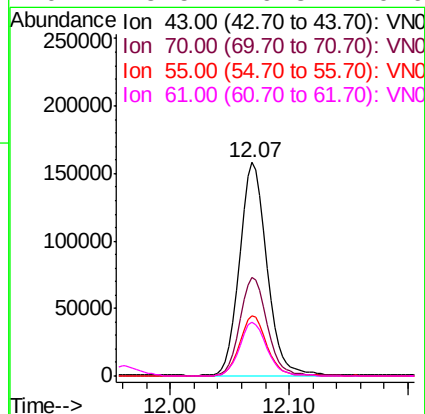
Ion Ratio Lower Upper

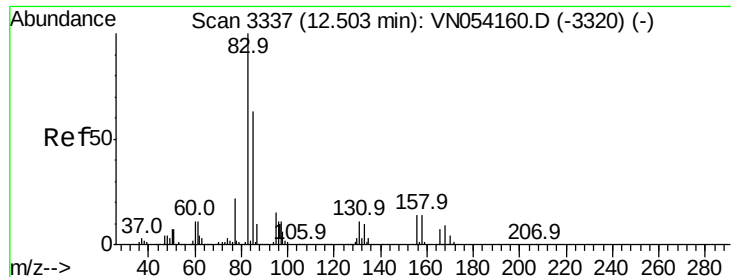
43 100

70 46.5 35.4 53.0

55 28.3 19.8 29.6

61 25.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.511 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

Tot Ion: 83 Resp: 275470

Ion Ratio Lower Upper

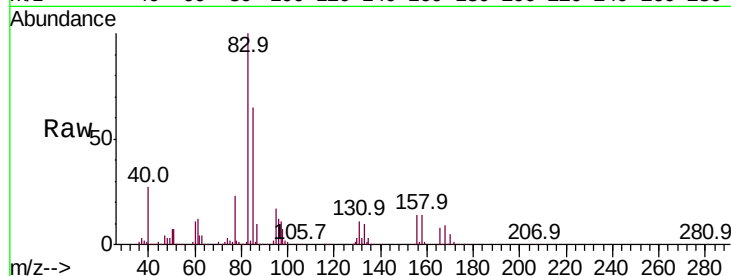
83 100

131 11.5 5.8 17.4

85 64.6 32.2 96.6

Manual Integrations
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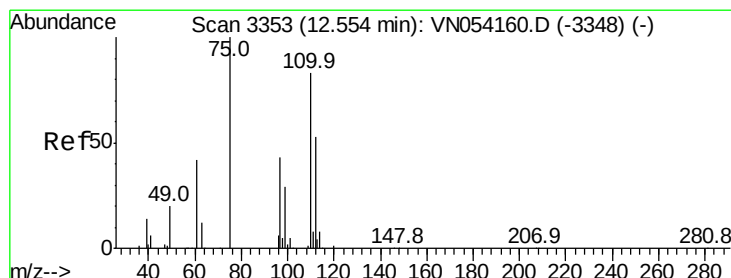
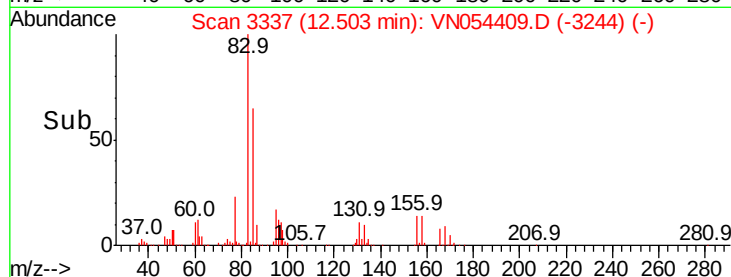
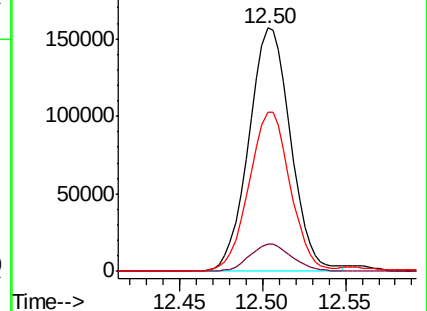
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.288 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054409.D

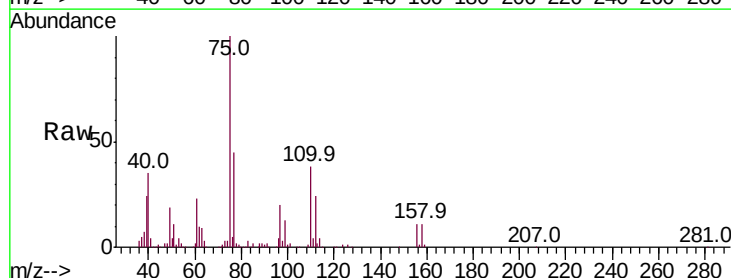
Acq: 18 Mar 2019 23:06

Tgt Ion: 75 Resp: 224735

Ion Ratio Lower Upper

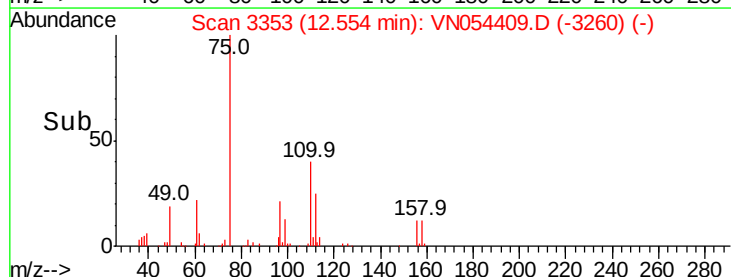
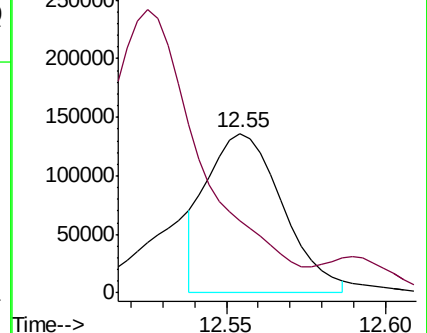
75 100

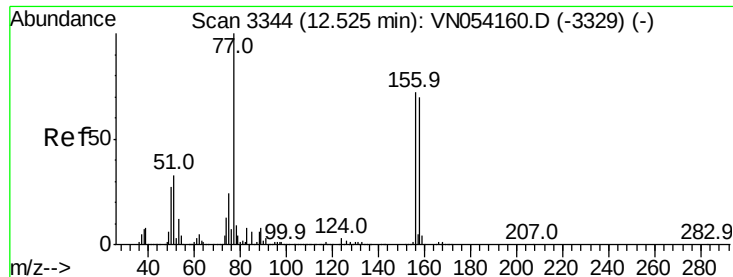
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.261 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

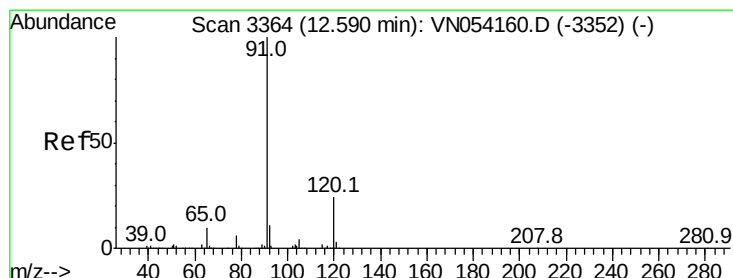
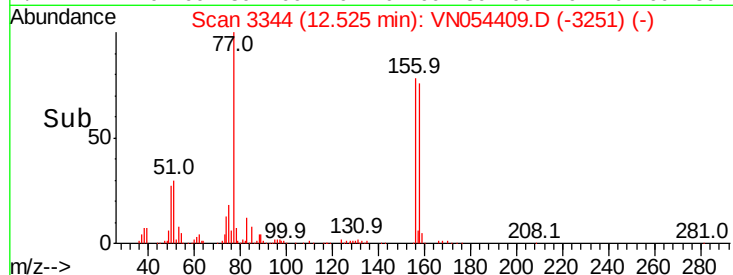
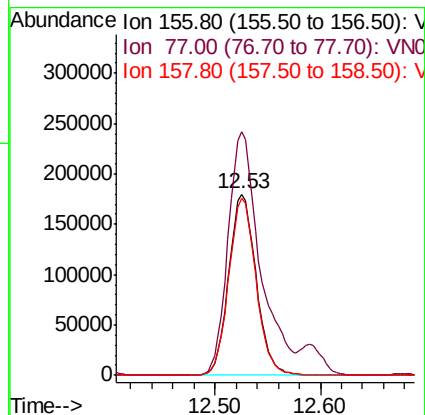
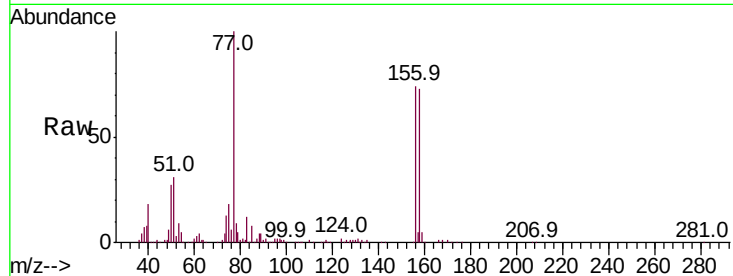
ClientSampleId :

VN0318WBS02

Tot Ion:	156	Resp:	323140
Ion Ratio	Lower	Upper	
156	100		
77	158.4	81.5	244.4
158	97.2	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.714 ug/l

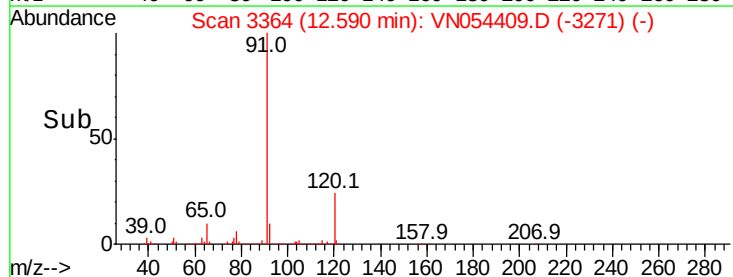
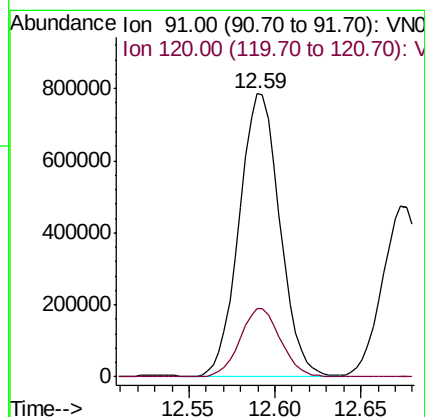
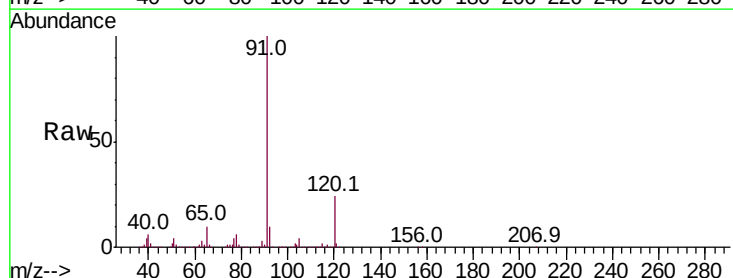
RT: 12.59 min Scan# 3364

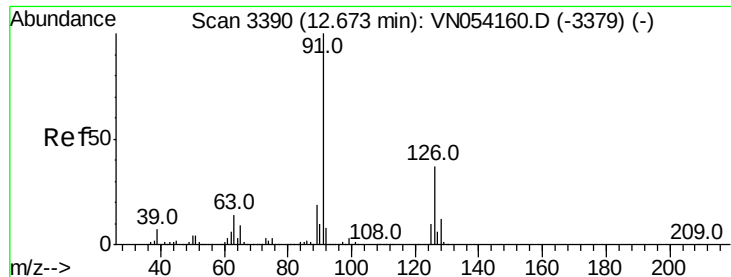
Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion:	91	Resp:	1290942
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.3	36.9





#79

2-Chlorotoluene

Concen: 21.156 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0318WBS02

Tot Ion: 91 Resp: 792753

Ion Ratio Lower Upper

91 100

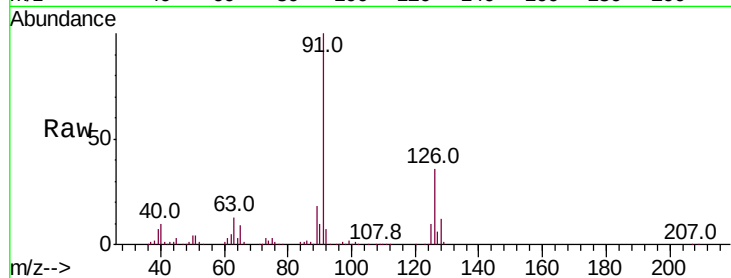
126 37.3 18.7 56.1

Manual Integrations

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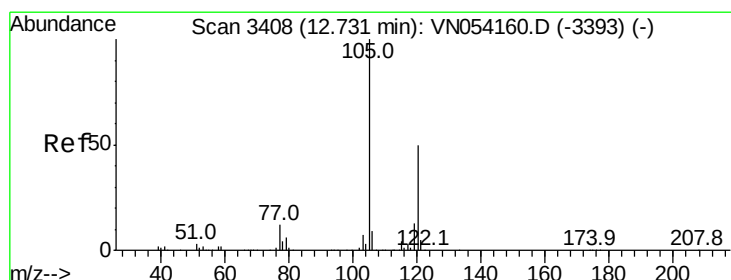
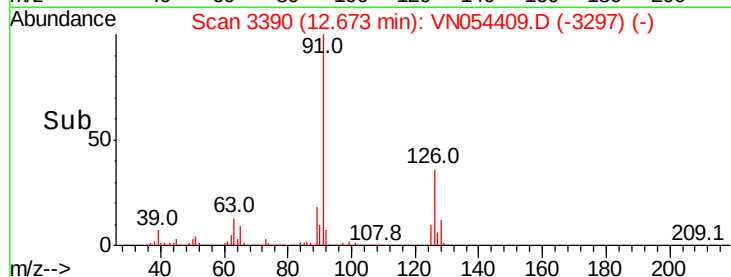
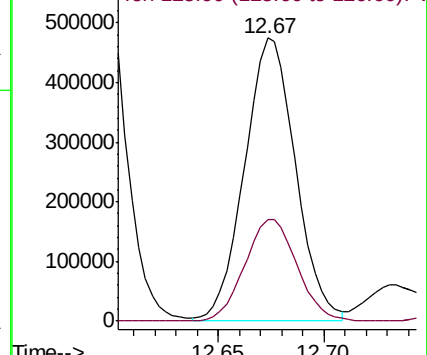
MMDadoda

3/19/2019 9:22:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.411 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054409.D

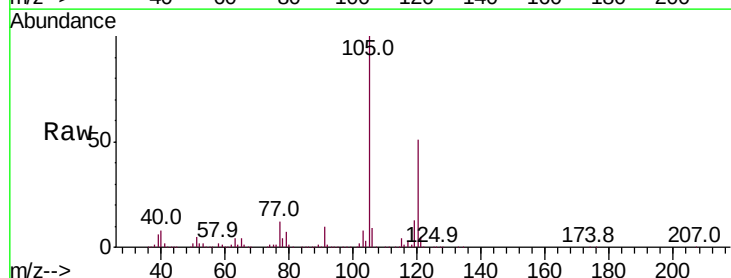
Acq: 18 Mar 2019 23:06

Tgt Ion: 105 Resp: 975128

Ion Ratio Lower Upper

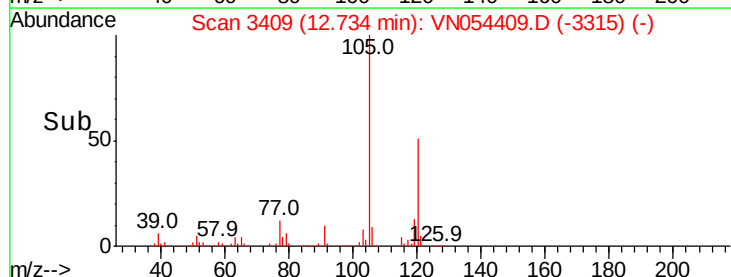
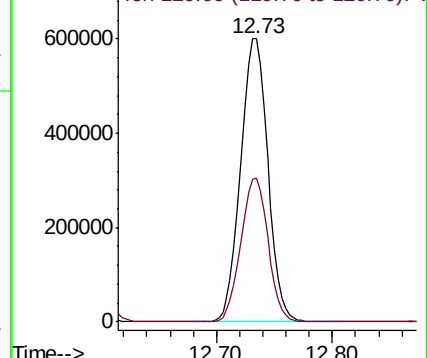
105 100

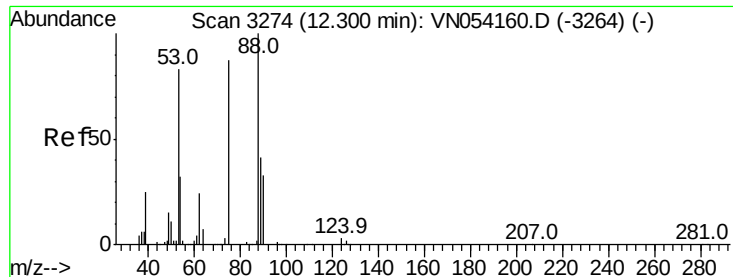
120 50.8 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 13.653 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

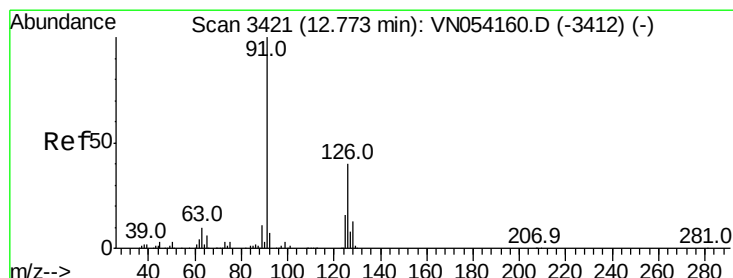
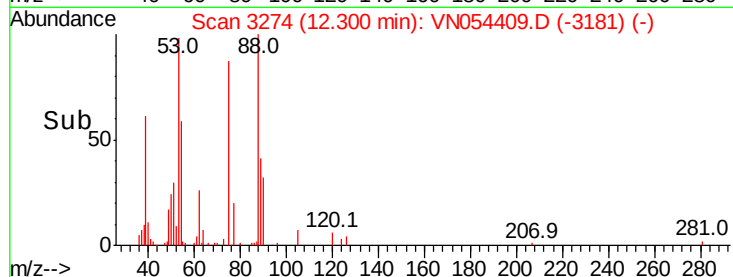
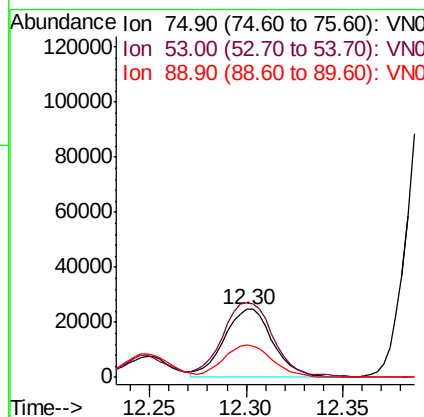
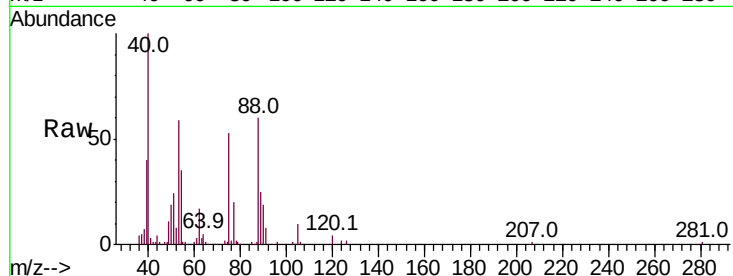
ClientSampleId :

VN0318WBS02

Tot Ion:	75	Resp:	42164
Ion	Ratio	Lower	Upper
75	100		
53	118.4	76.2	114.2#
89	49.3	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.583 ug/l

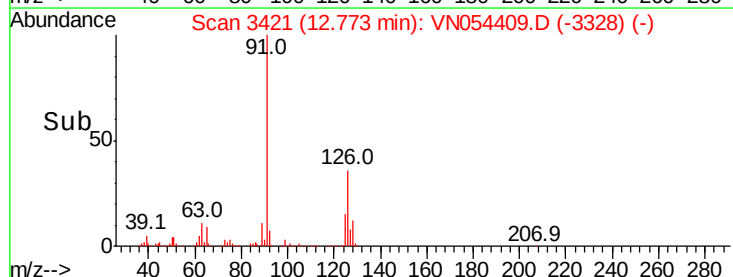
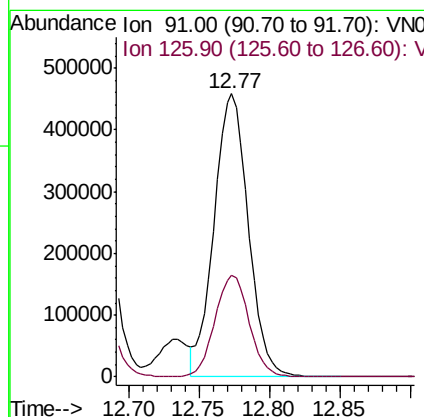
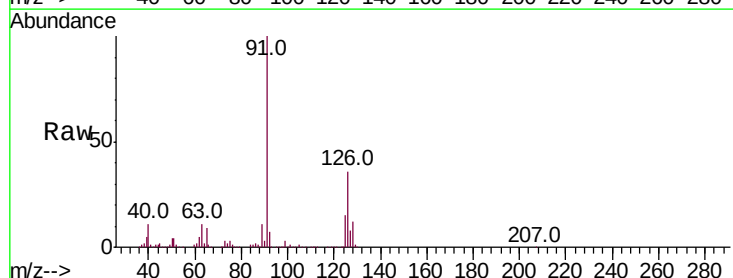
RT: 12.77 min Scan# 3421

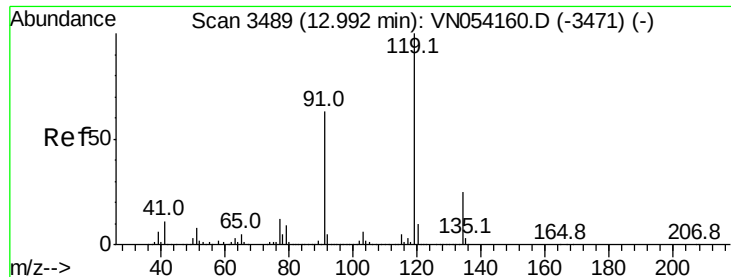
Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion:	91	Resp:	770176
Ion	Ratio	Lower	Upper
91	100		
126	36.1	18.1	54.1





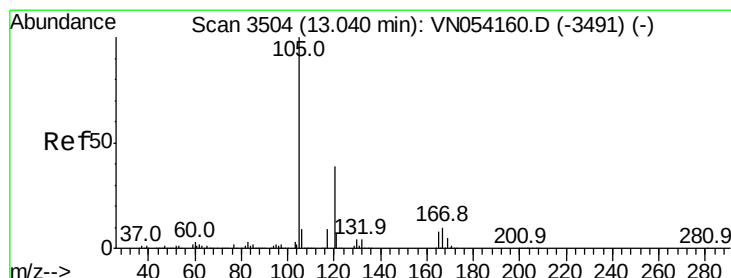
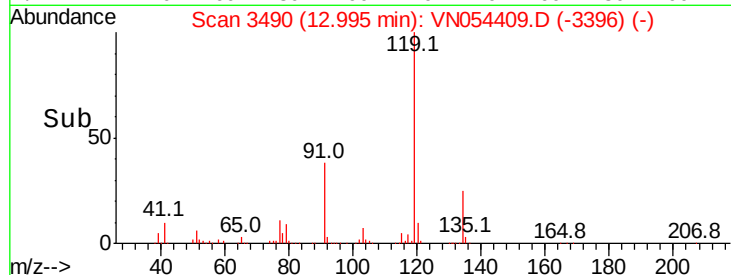
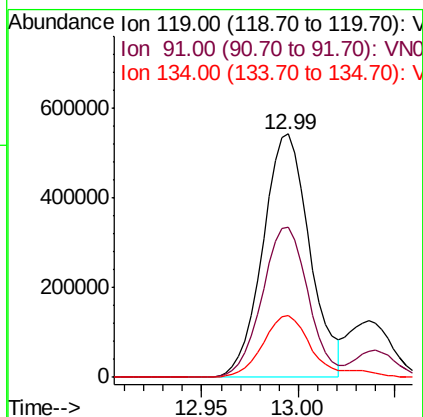
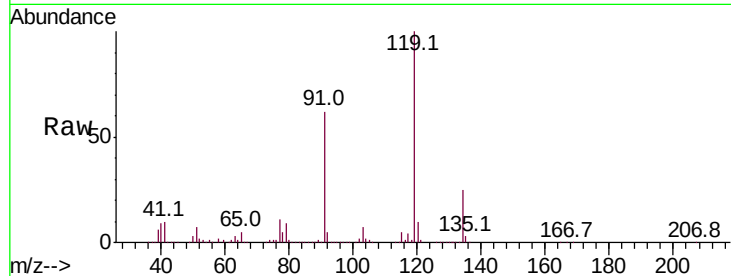
#83
 tert-Butylbenzene
 Concen: 20.817 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	915405		
91	60.5	30.9	92.8	
134	27.1	13.2	39.6	

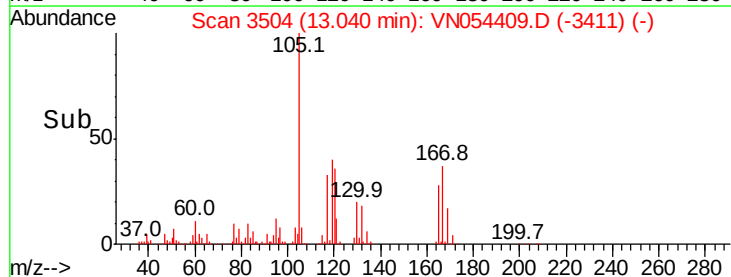
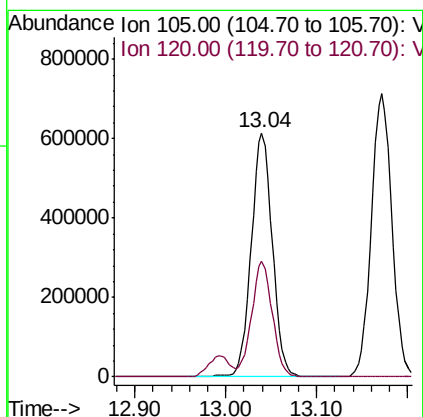
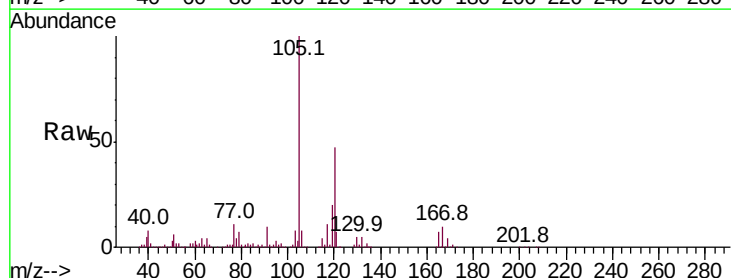
Manual Integrations
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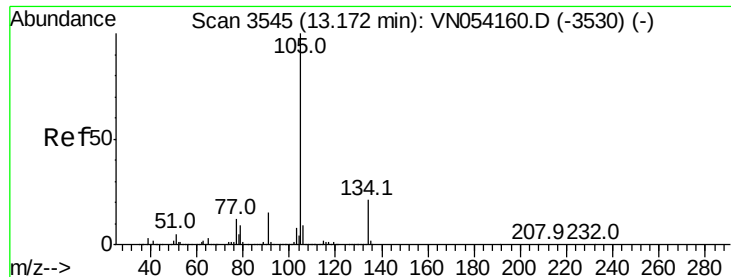
MMDadoda
 3/19/2019 9:22:38 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.050 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054409.D
 Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	986589		
120	46.7	23.4	70.3	





#85

sec-Butylbenzene

Concen: 19.577 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0318WBS02

Tot Ion:105 Resp: 1116456

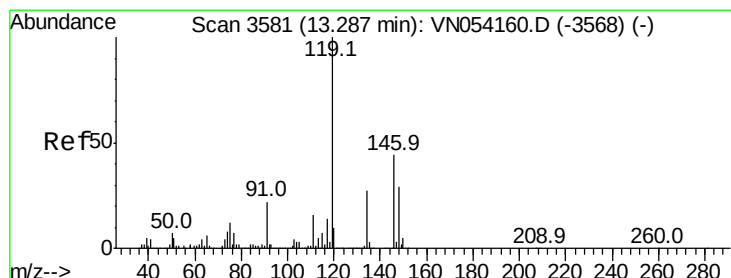
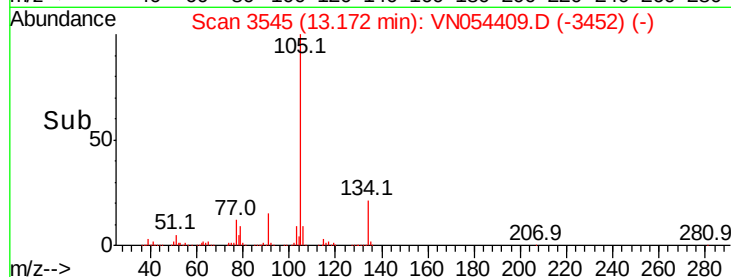
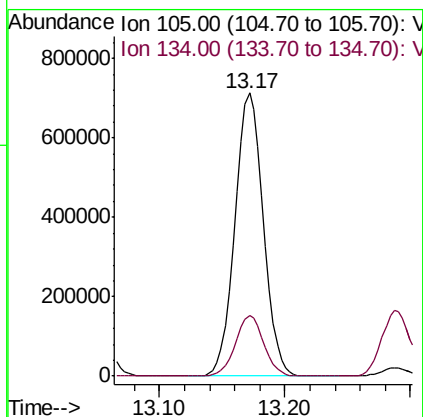
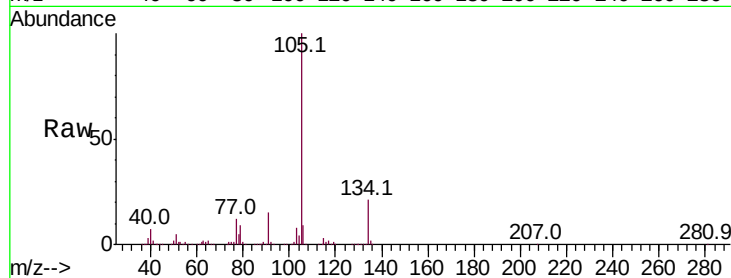
Ion Ratio Lower Upper

105 100

134 21.3 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.183 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

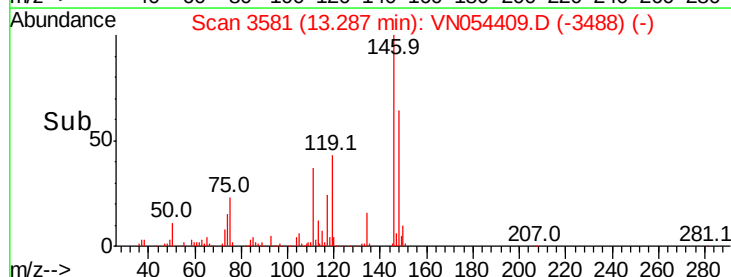
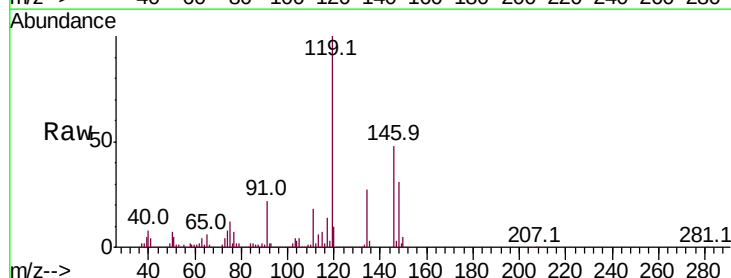
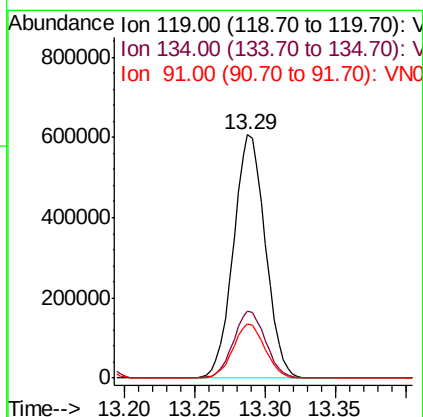
Tgt Ion:119 Resp: 959736

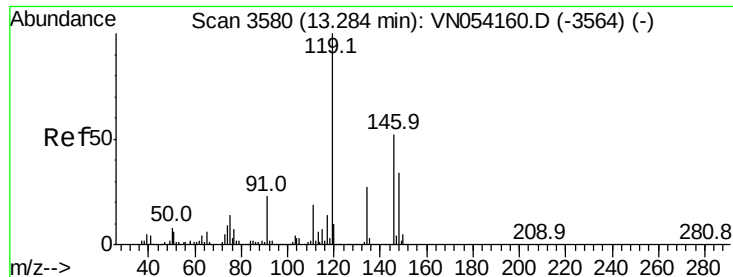
Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.688 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054409.D

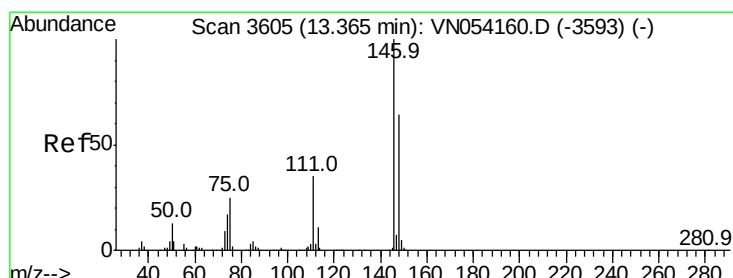
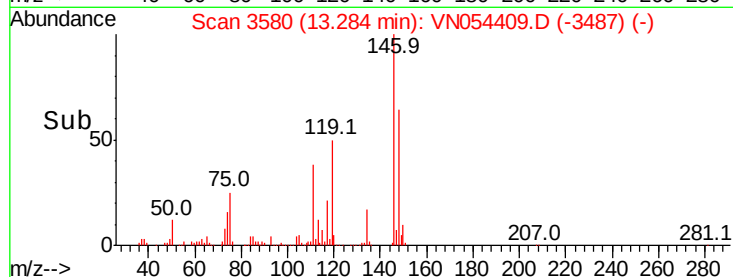
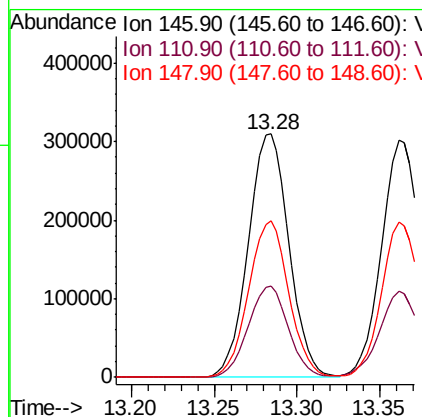
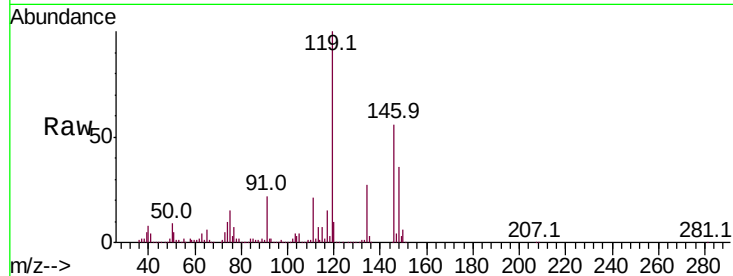
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0318WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.1	18.8	56.3	
148	63.6	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.924 ug/l

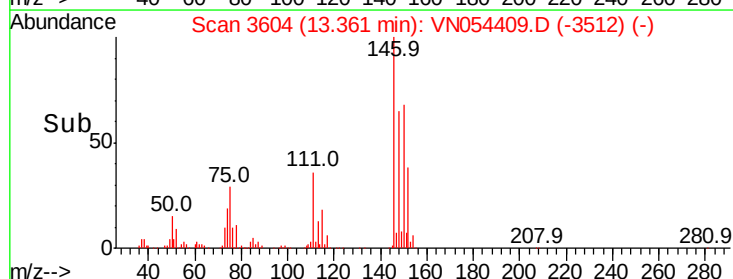
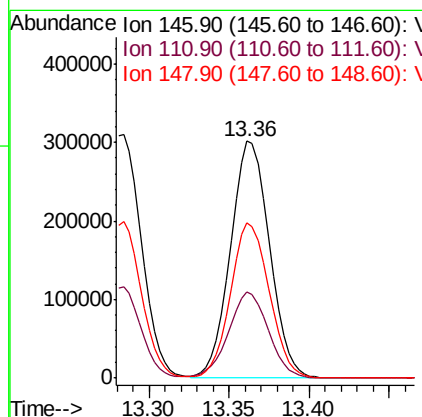
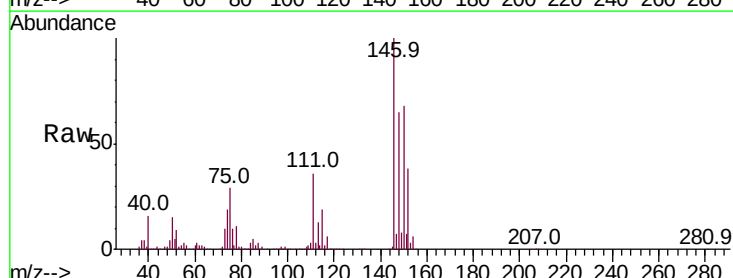
RT: 13.36 min Scan# 3604

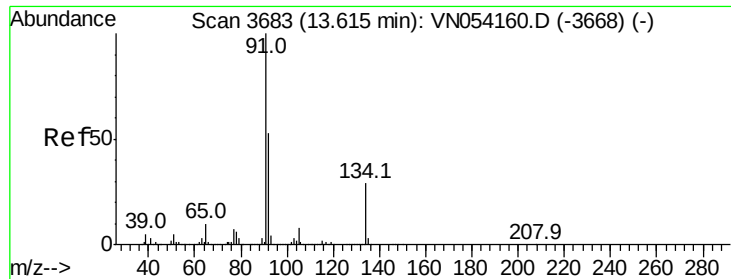
Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.0	18.1	54.1	
148	65.2	32.0	96.0	





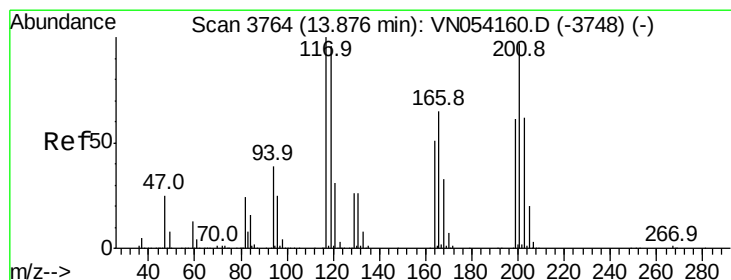
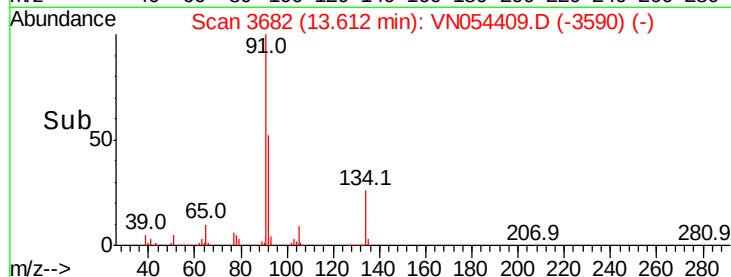
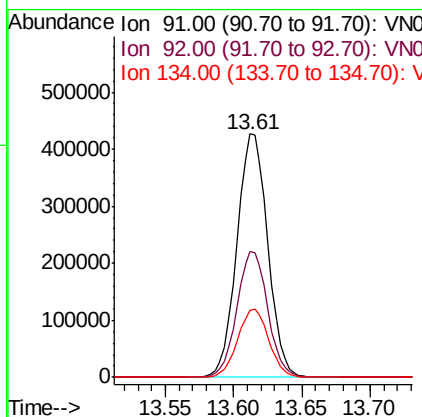
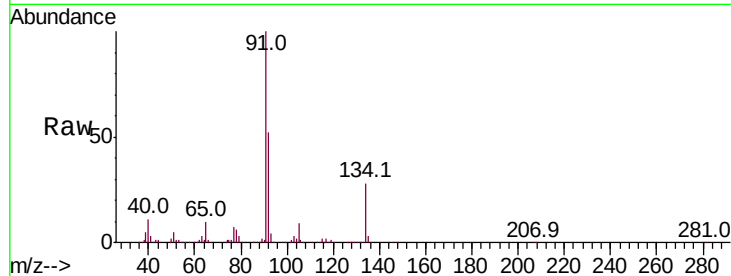
#89
n-Butylbenzene
Concen: 17.591 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.6
134	28.2	14.3	42.9

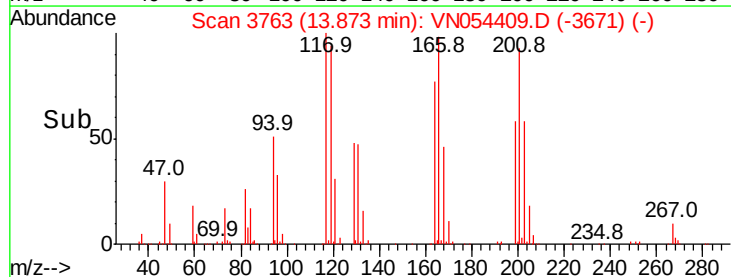
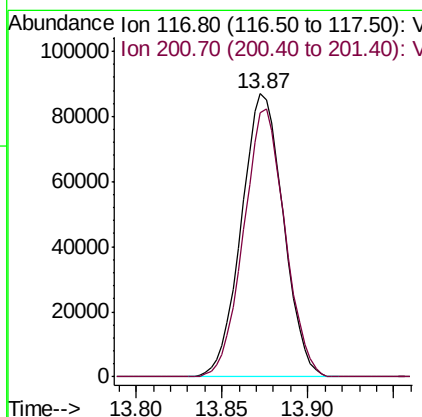
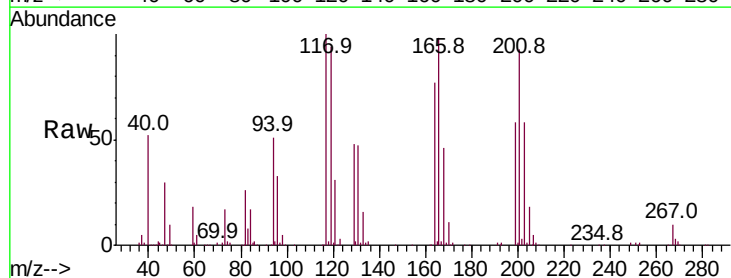
Manual Integrations
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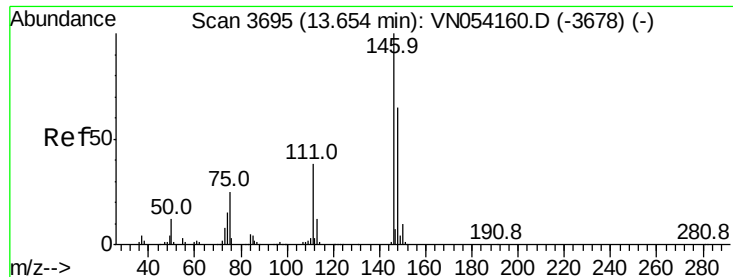
MMDadoda
3/19/2019 9:22:38 AM



#90
Hexachloroethane
Concen: 17.797 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 21.555 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

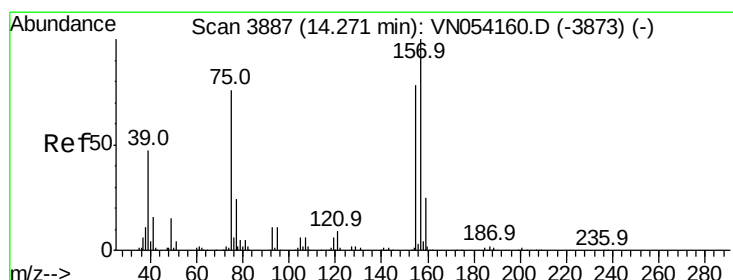
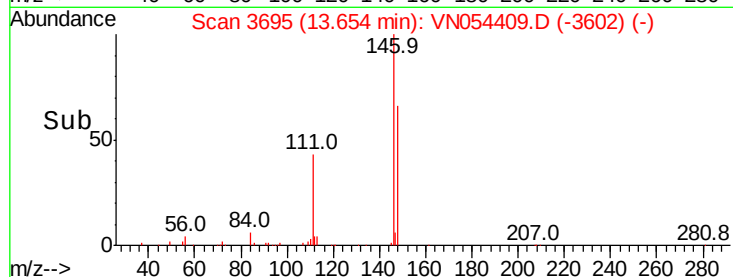
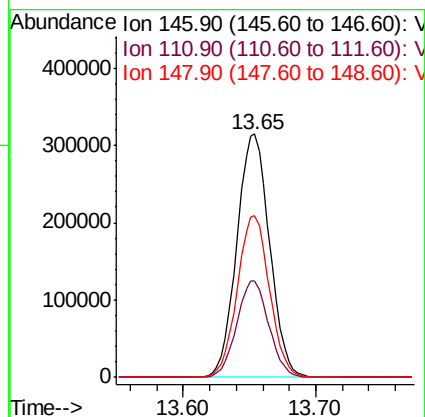
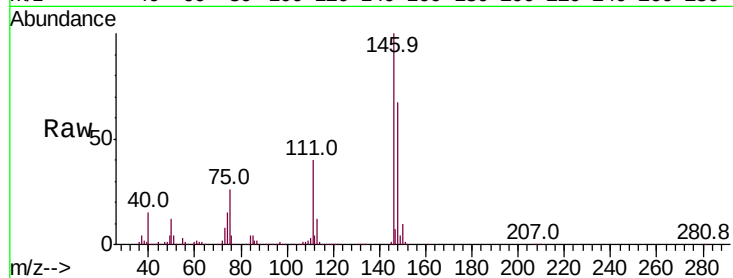
ClientSampleId :

VN0318WBS02

Tot Ion:	146	Resp:	539661
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.3
148	65.3	32.4	97.0

Manual Integrations
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3/19/2019 9:22:38 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.177 ug/l

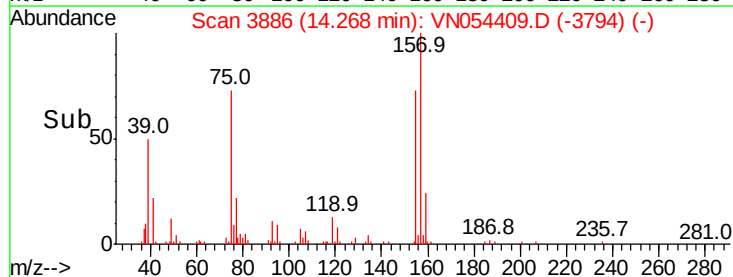
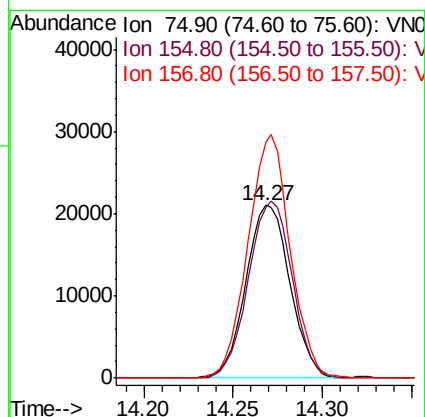
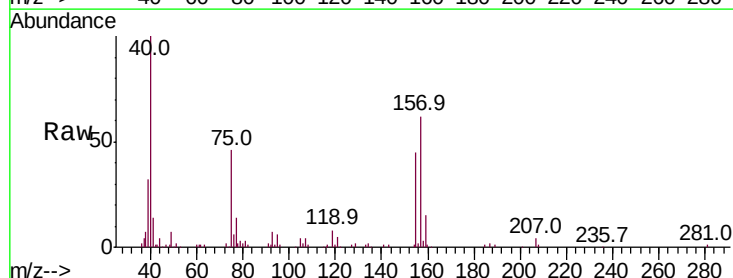
RT: 14.27 min Scan# 3886

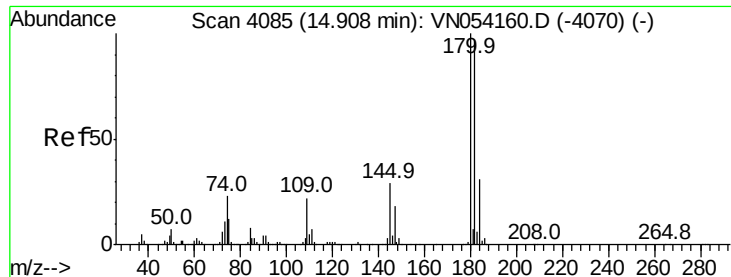
Delta R.T. -0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Tgt Ion:	75	Resp:	36314
Ion Ratio	Lower	Upper	
75	100		
155	101.8	50.1	150.3
157	134.6	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 17.198 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054409.D

Acq: 18 Mar 2019 23:06

Instrument :

MSVOA_N

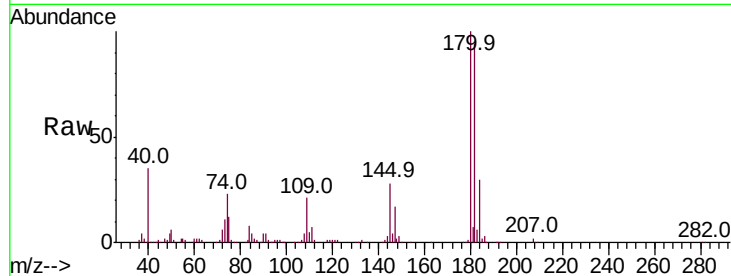
ClientSampleId :

VN0318WBS02

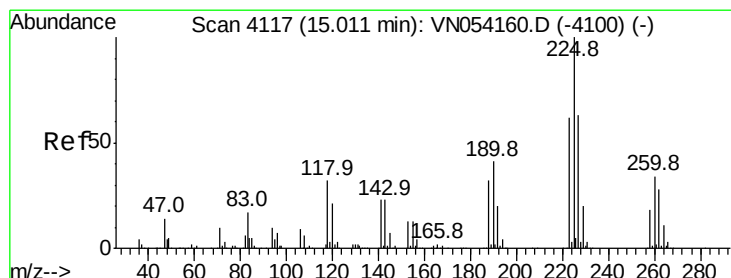
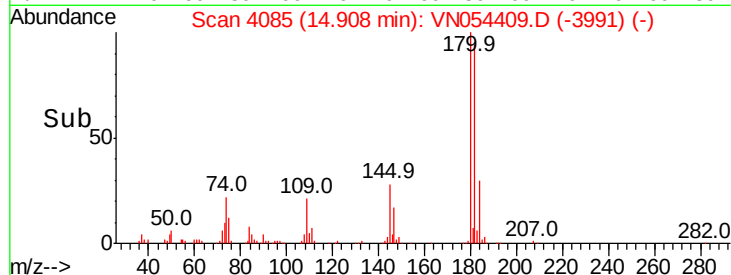
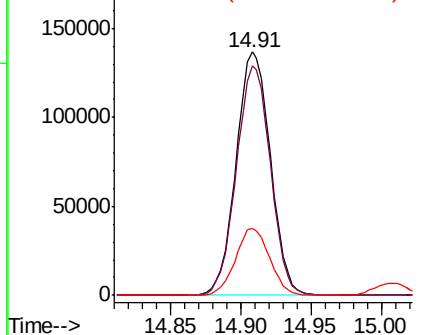
Tot Ion:	180	Resp:	233678
Ion Ratio	Lower	Upper	
180	100		
182	93.6	48.0	144.2
145	27.4	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/19/2019 9:22:38 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 16.507 ug/l

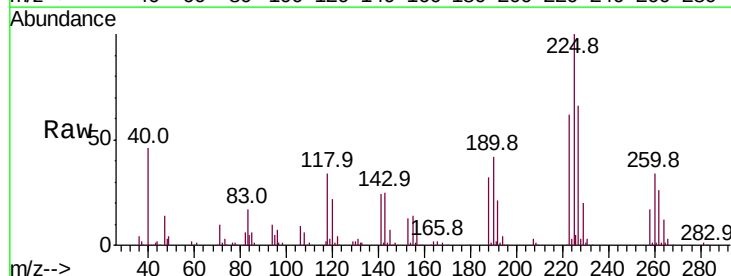
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

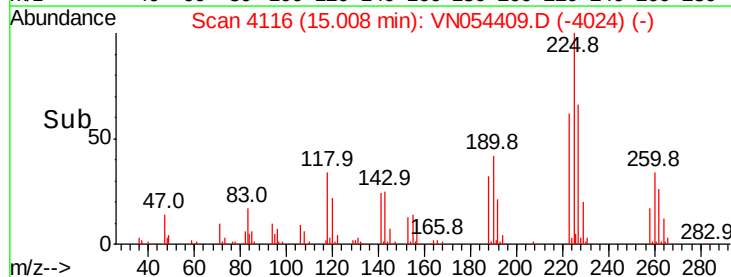
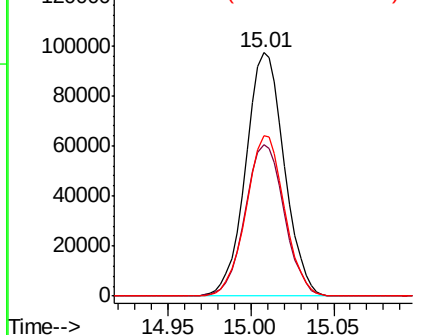
Lab File: VN054409.D

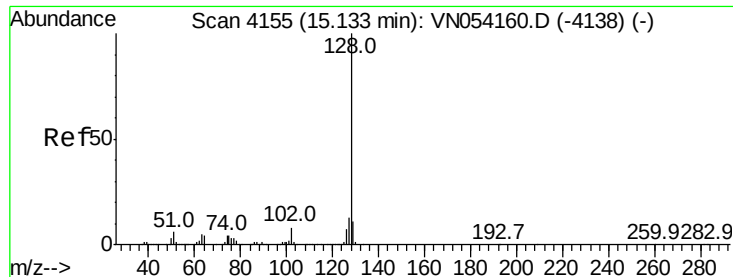
Acq: 18 Mar 2019 23:06

Tgt Ion:	225	Resp:	157419
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.1	93.5
227	65.7	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





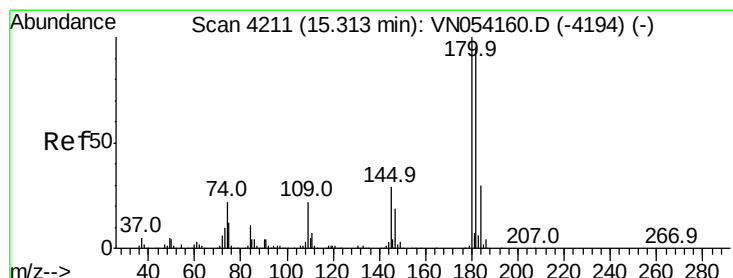
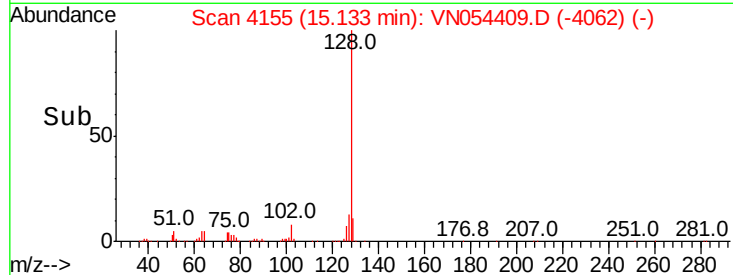
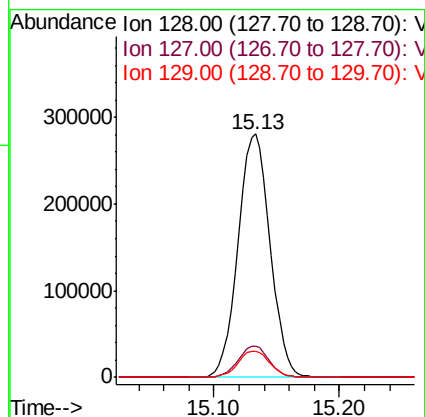
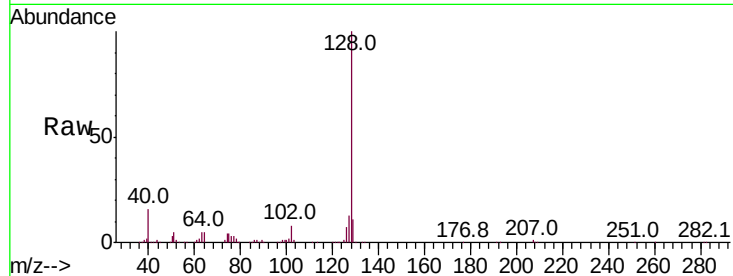
#95
Naphthalene
Concen: 18.204 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0318WBS02

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
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3/19/2019 9:22:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.960 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054409.D
Acq: 18 Mar 2019 23:06

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	97.3	47.5	142.6
145	29.9	14.8	44.3

