

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054401.D
 Acq On : 18 Mar 2019 18:33
 Operator : JC/SP
 Sample : VN0318MBS01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/19/2019 9:24:17 AM

Quant Time: Mar 19 06:53:37 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	7.66	168	1150778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1848285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	683273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	643704	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	607823	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.09	98	2158698	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	705163	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	226705	20.786	ug/l	99
3) Chloromethane	2.06	50	211723	19.985	ug/l	98
4) Vinyl Chloride	2.19	62	245011	20.234	ug/l	99
5) Bromomethane	2.57	94	149895	17.873	ug/l	96
6) Chloroethane	2.71	64	148984	20.335	ug/l	98
7) Trichlorofluoromethane	3.03	101	315597	19.603	ug/l	99
8) Diethyl Ether	3.41	74	162890	22.203	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	252700	20.946	ug/l	100
10) Methyl Iodide	3.94	142	320168	19.625	ug/l	99
11) Tert butyl alcohol	4.82	59	73992	88.315	ug/l	99
12) 1,1-Dichloroethene	3.73	96	252783	21.144	ug/l	99
13) Acrolein	3.61	56	62519	78.748	ug/l	99
14) Allyl chloride	4.32	41	313954	20.468	ug/l	99
15) Acrylonitrile	5.00	53	390620	113.502	ug/l	99
16) Acetone	3.82	43	267811	76.534	ug/l	99
17) Carbon Disulfide	4.04	76	503757	16.809	ug/l	99
18) Methyl Acetate	4.33	43	187059	26.422	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	661533	22.324	ug/l	100
20) Methylene Chloride	4.55	84	255083	22.201	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	241238	21.060	ug/l	100
22) Diisopropyl ether	5.96	45	689341	22.517	ug/l	99
23) Vinyl Acetate	5.90	43	2329616	103.208	ug/l	100
24) 1,1-Dichloroethane	5.85	63	442697	22.521	ug/l	99
25) 2-Butanone	6.85	43	430800	104.893	ug/l	100
26) 2,2-Dichloropropane	6.82	77	274534	15.882	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	290637	22.743	ug/l	97
28) Bromochloromethane	7.19	49	168764	21.001	ug/l	99
29) Tetrahydrofuran	7.22	42	289947	109.801	ug/l	99
30) Chloroform	7.37	83	469434	22.886	ug/l	99
31) Cyclohexane	7.65	56	374280	19.620	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	389758	21.040	ug/l	99
36) 1,1-Dichloropropene	7.79	75	336473	19.768	ug/l	100
37) Ethyl Acetate	6.94	43	187660	19.188	ug/l	99
38) Carbon Tetrachloride	7.77	117	336552	18.855	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	357034	17.048	ug/l	99
40) Benzene	8.04	78	1033211	21.212	ug/l	97
41) Methacrylonitrile	7.18	41	107586	19.266	ug/l	97
42) 1,2-Dichloroethane	8.13	62	343120	20.865	ug/l	99
43) Isopropyl Acetate	8.17	43	322793	18.803	ug/l	99
44) Trichloroethene	8.83	130	305484	20.189	ug/l	99
45) 1,2-Dichloropropane	9.12	63	261819	21.648	ug/l	100
46) Dibromomethane	9.21	93	166653	20.394	ug/l	98
47) Bromodichloromethane	9.40	83	330920	20.200	ug/l	99
48) Methyl methacrylate	9.20	41	175105	20.100	ug/l	97
49) 1,4-Dioxane	9.20	88	50719	411.585	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	944079	103.919	ug/l	99
52) Toluene	10.16	92	637480	20.641	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	284016	16.542	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	356404	18.669	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	240539	21.330	ug/l	99
56) Ethyl methacrylate	10.43	69	271005	20.155	ug/l	97
57) 1,3-Dichloropropane	10.71	76	396026	21.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	497168	96.317	ug/l	100
59) 2-Hexanone	10.75	43	575268	95.164	ug/l	99
60) Dibromochloromethane	10.90	129	246363	19.410	ug/l	99
61) 1,2-Dibromoethane	11.01	107	240735	21.007	ug/l	99
64) Tetrachloroethene	10.63	164	298609	19.594	ug/l	98
65) Chlorobenzene	11.43	112	732770	21.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	263534	20.961	ug/l	99
67) Ethyl Benzene	11.51	91	1180533	20.577	ug/l	99
68) m/p-Xylenes	11.62	106	935594	41.724	ug/l	98
69) o-Xylene	11.95	106	465965	21.317	ug/l	98
70) Styrene	11.96	104	707715	20.644	ug/l	99
71) Bromoform	12.13	173	152501	17.514	ug/l #	97
73) Isopropylbenzene	12.25	105	1198091	21.917	ug/l	100
74) N-amyl acetate	12.07	43	243971	20.106	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	281469	24.167	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	234876m	23.376	ug/l	
77) Bromobenzene	12.53	156	316667	21.891	ug/l	99
78) n-propylbenzene	12.59	91	1246532	21.015	ug/l	100
79) 2-Chlorotoluene	12.67	91	785055	22.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	946380	20.813	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	38500	13.098	ug/l #	71
82) 4-Chlorotoluene	12.77	91	759231	21.319	ug/l	100
83) tert-Butylbenzene	12.99	119	873585	20.873	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	967864	21.697	ug/l	100
85) sec-Butylbenzene	13.17	105	1067384	19.665	ug/l	100
86) p-Isopropyltoluene	13.29	119	920889	19.339	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	513130	21.052	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	496832	20.749	ug/l	99
89) n-Butylbenzene	13.61	91	635153	17.555	ug/l	99
90) Hexachloroethane	13.87	117	134842	17.102	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	527175	22.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34991	19.415	ug/l	98

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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	217689	16.887	ug/l	99
94) Hexachlorobutadiene	15.01	225	145150	15.992	ug/l	99
95) Naphthalene	15.13	128	477665	18.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	229064	18.093	ug/l	99

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

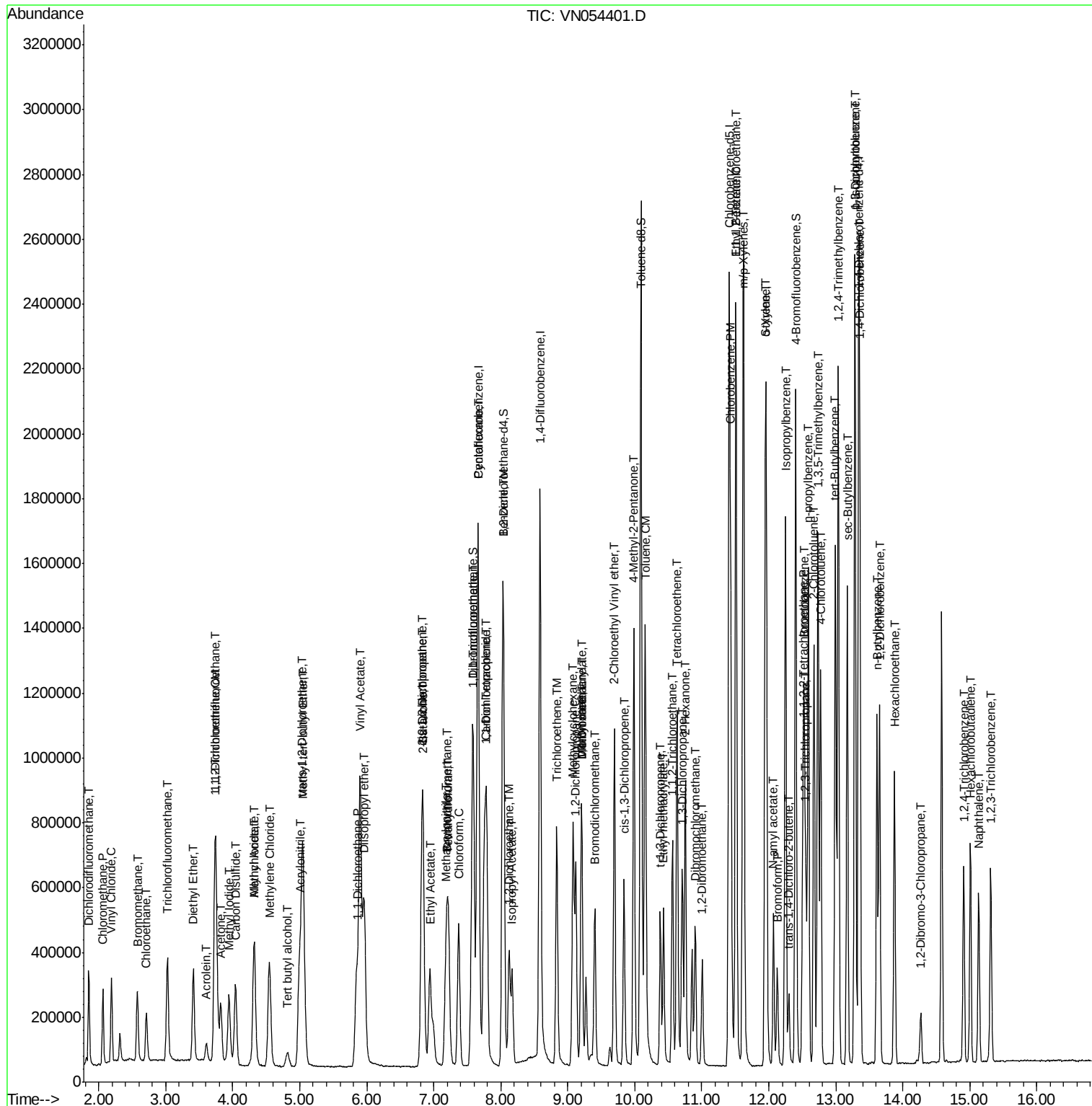
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 Data File : VN054401.D
 Acq On : 18 Mar 2019 18:33
 Operator : JC/SP
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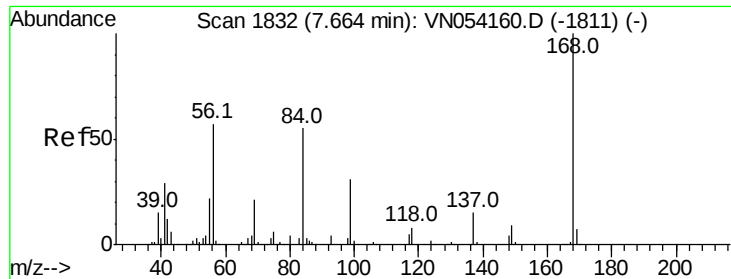
Instrument :
 MSVOA_N
 Client Sample ID :
 VN0318MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampled :

VN0318MBS01

Tot Ion:168 Resp: 1150778

Ion Ratio Lower Upper

168 100

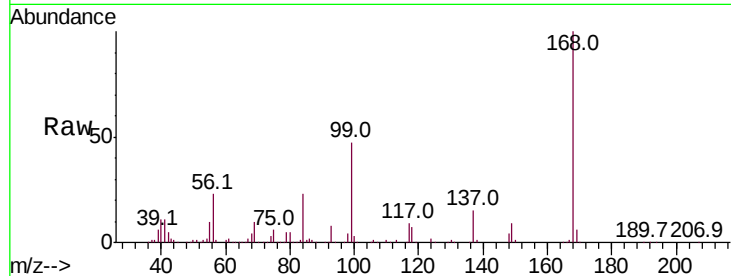
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Manual Integrations

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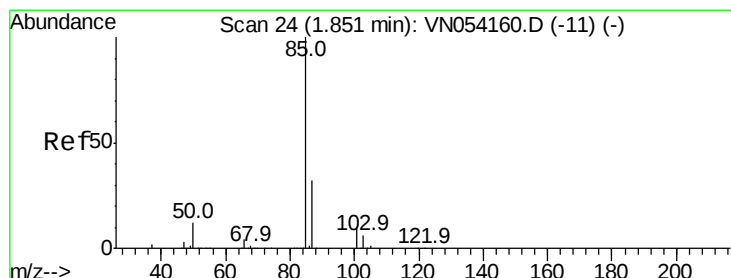
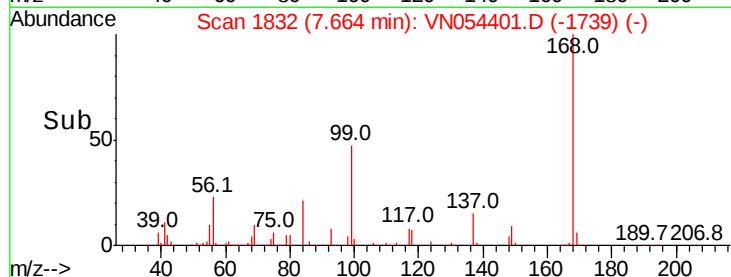
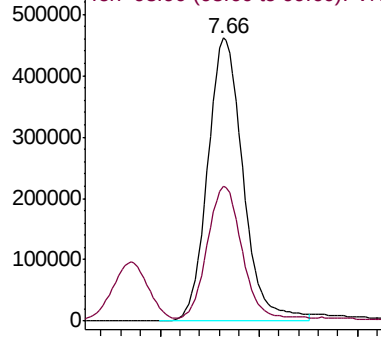
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.786 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054401.D

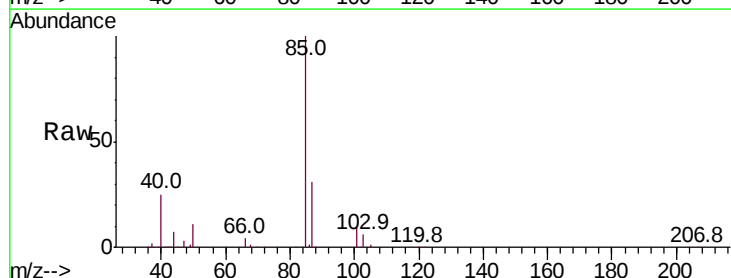
Acq: 18 Mar 2019 18:33

Tgt Ion: 85 Resp: 226705

Ion Ratio Lower Upper

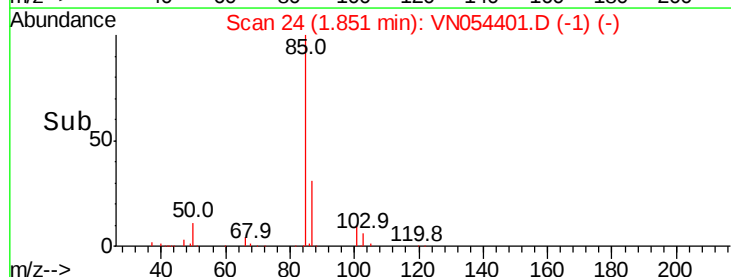
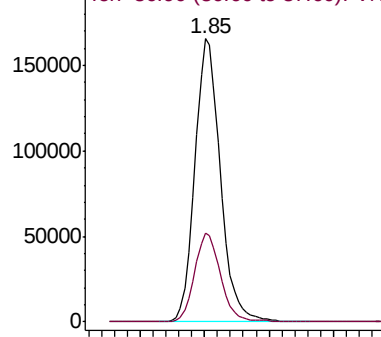
85 100

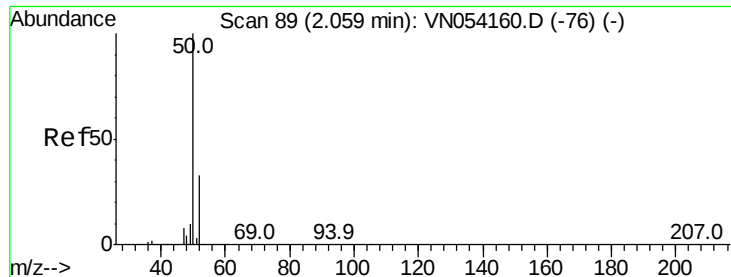
87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.985 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 50 Resp: 211723

Ion Ratio Lower Upper

50 100

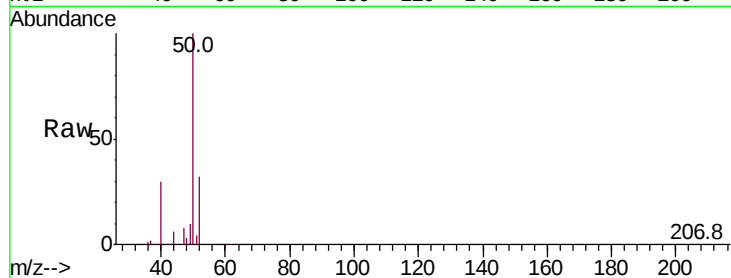
52 31.6 26.4 39.6

Manual Integrations

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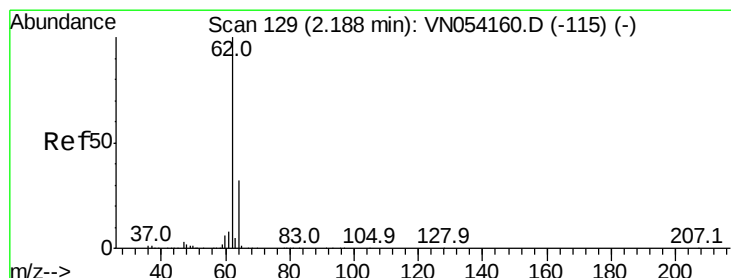
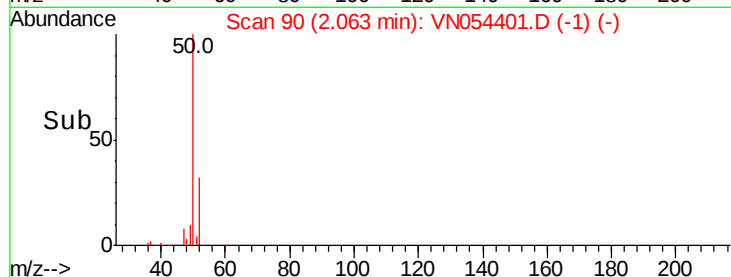
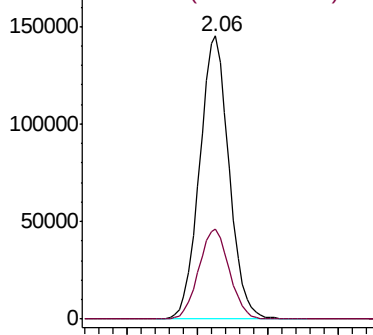
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.234 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054401.D

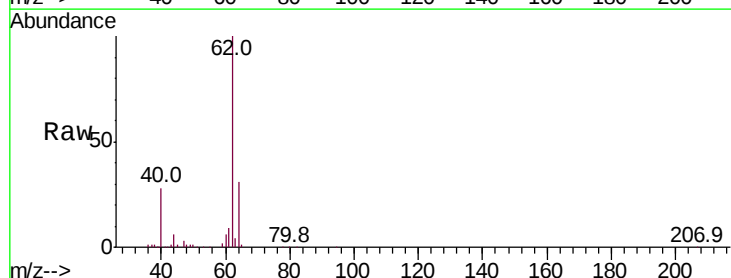
Acq: 18 Mar 2019 18:33

Tgt Ion: 62 Resp: 245011

Ion Ratio Lower Upper

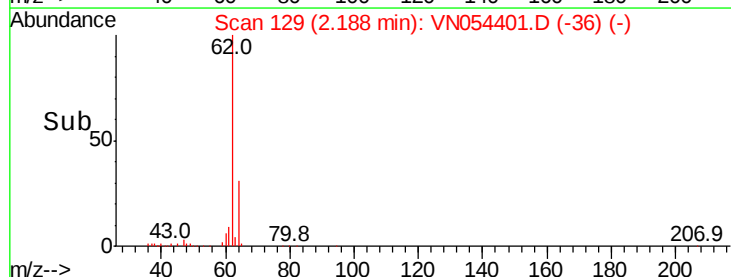
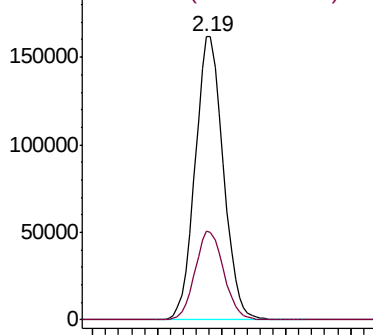
62 100

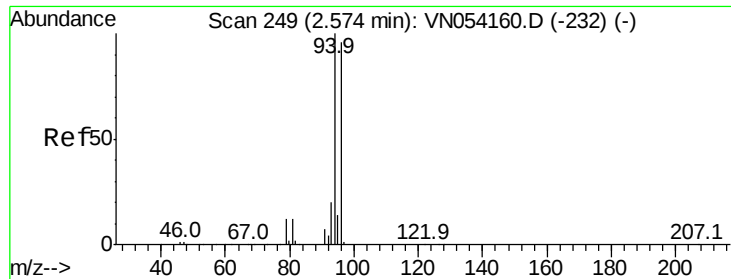
64 31.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.873 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

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Tot Ion: 94 Resp: 149895

Ion Ratio Lower Upper

94 100

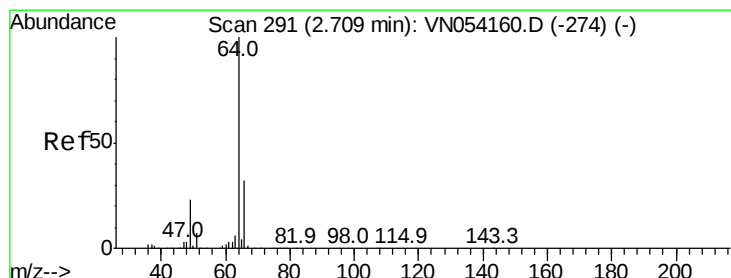
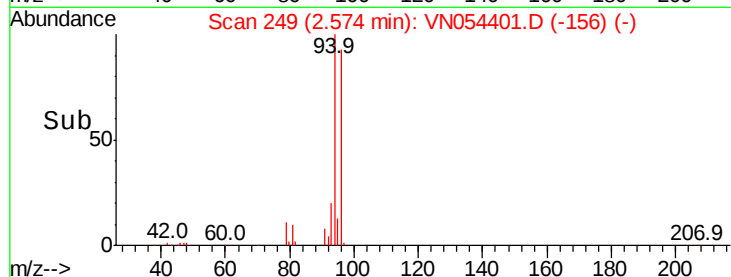
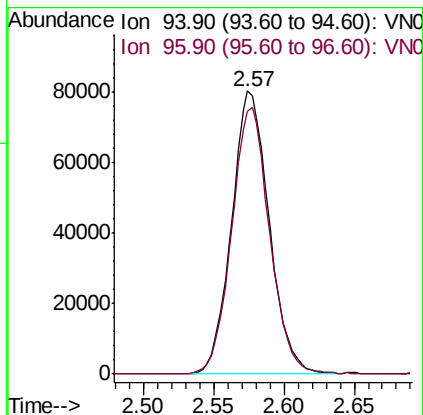
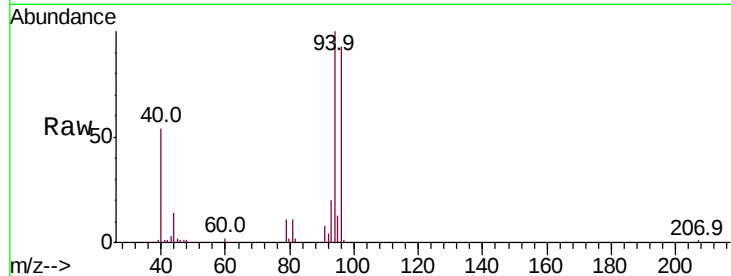
96 92.8 77.0 115.4

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#6

Chloroethane

Concen: 20.335 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054401.D

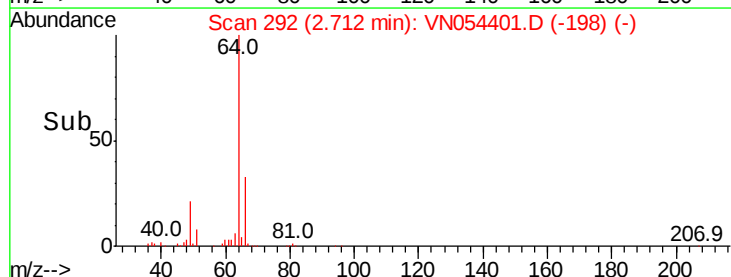
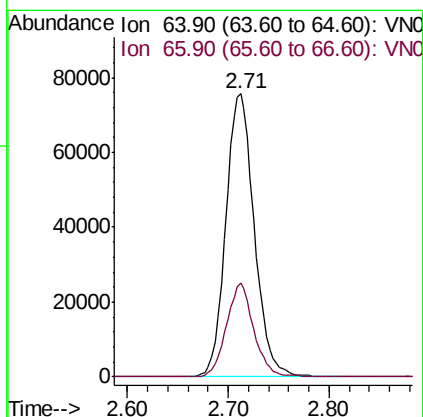
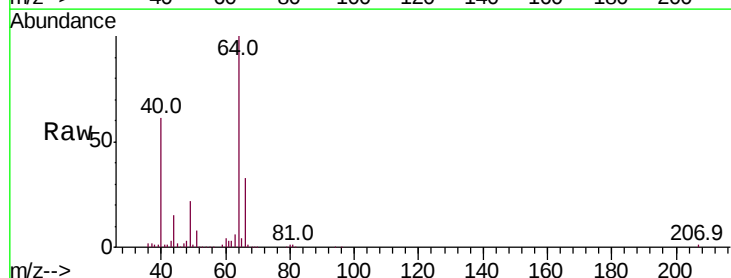
Acq: 18 Mar 2019 18:33

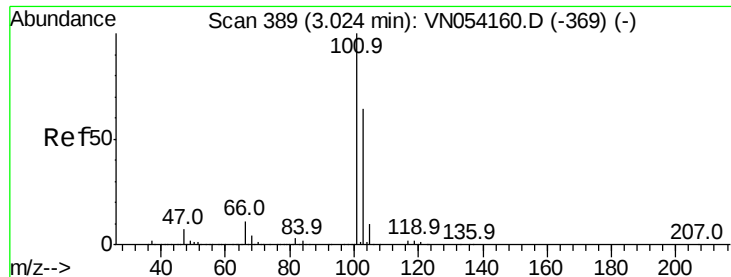
Tgt Ion: 64 Resp: 148984

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5





#7

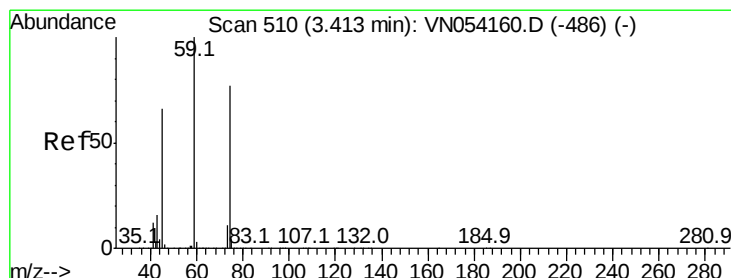
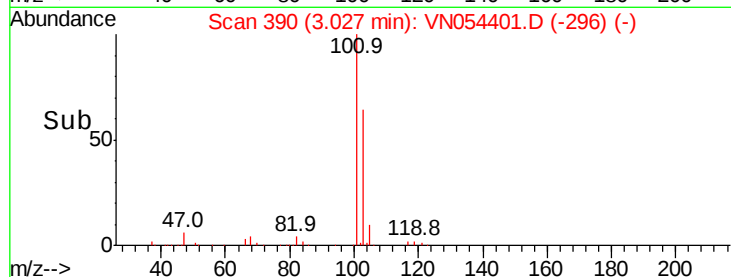
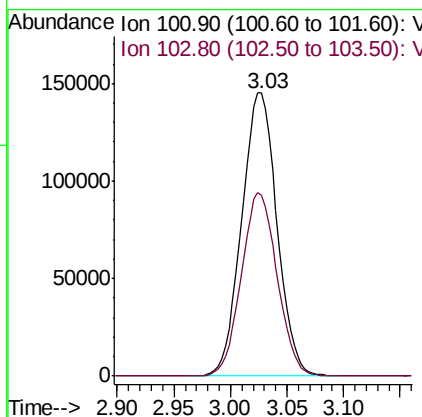
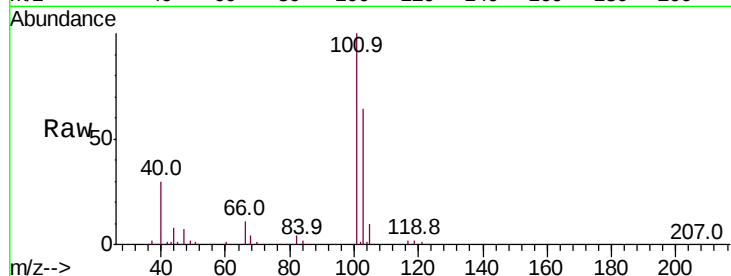
Trichlorofluoromethane
 Concen: 19.603 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054401.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2

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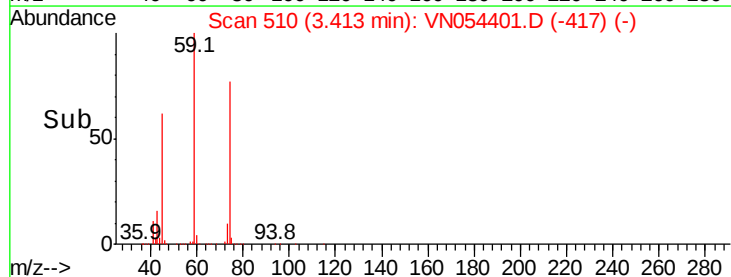
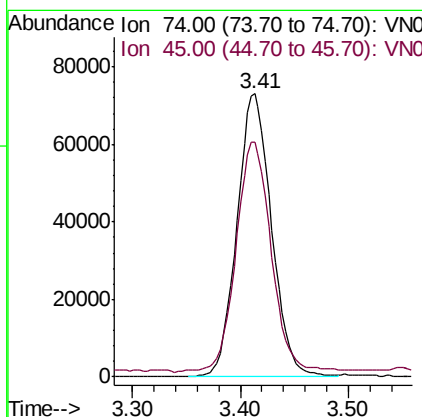
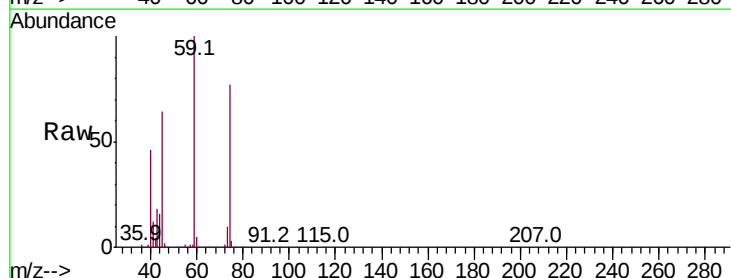
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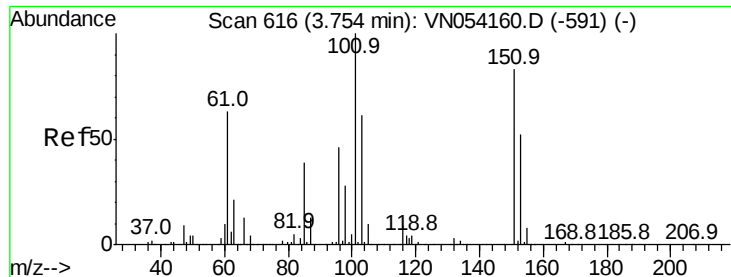


#8

Diethyl Ether
 Concen: 22.203 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.1	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.946 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

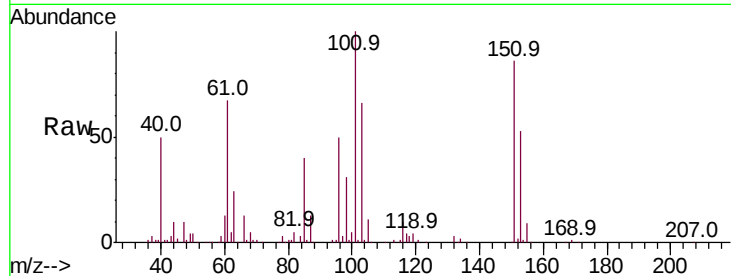
ClientSampled :

VN0318MBS01

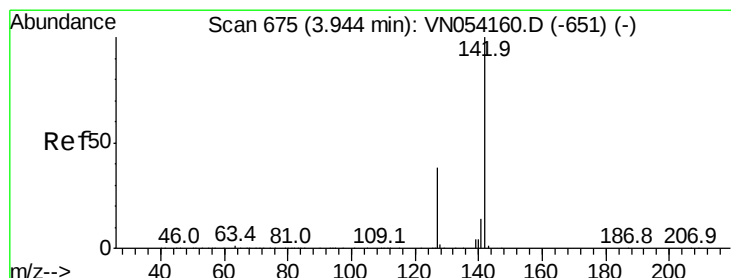
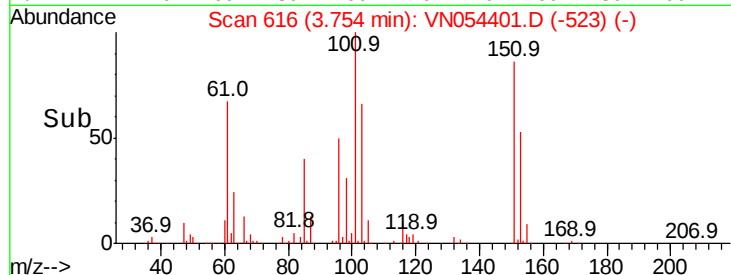
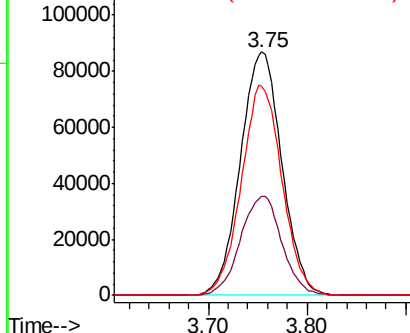
Tot Ion:	101	Resp:	252700
Ion Ratio	Lower	Upper	
101	100		
85	40.6	32.4	48.6
151	84.7	68.2	102.2

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



#10

Methyl Iodide

Concen: 19.625 ug/l

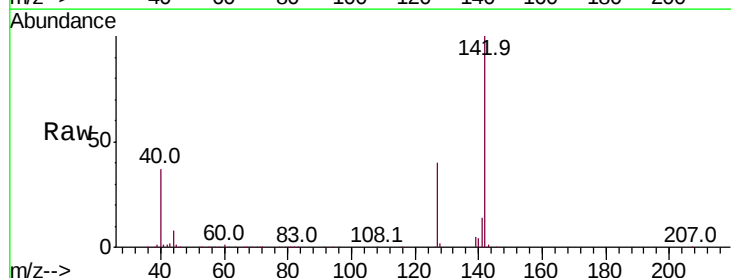
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

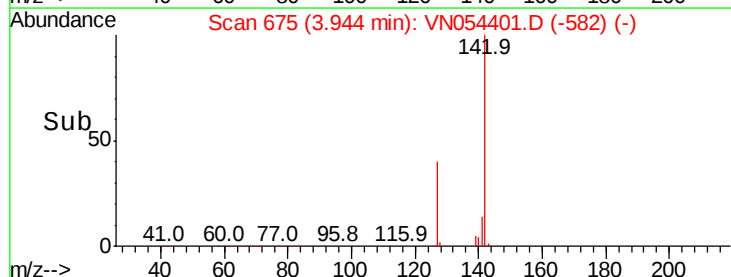
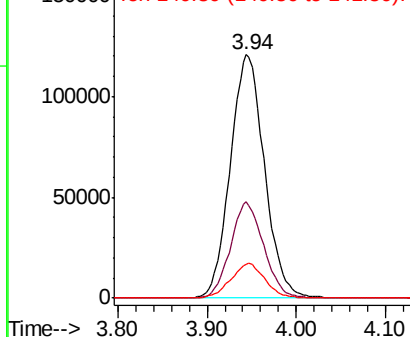
Lab File: VN054401.D

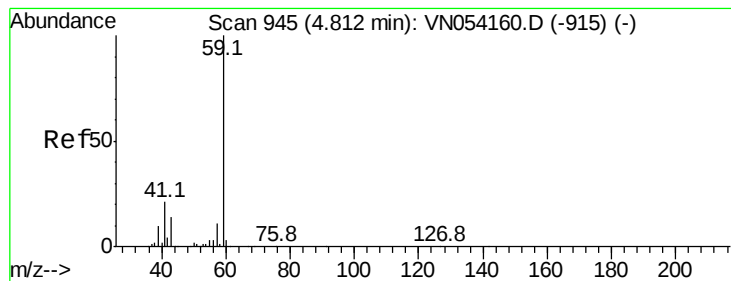
Acq: 18 Mar 2019 18:33

Tgt Ion:	142	Resp:	320168
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.3	45.5
141	14.2	11.2	16.8



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





#11

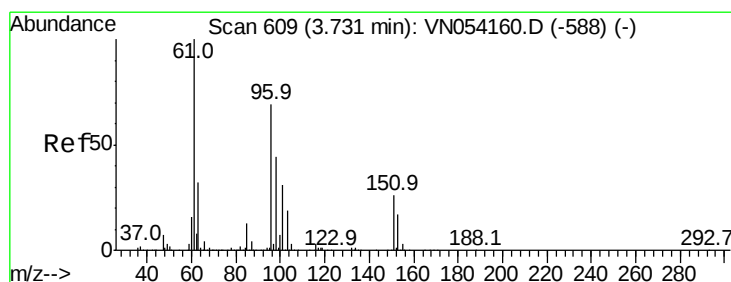
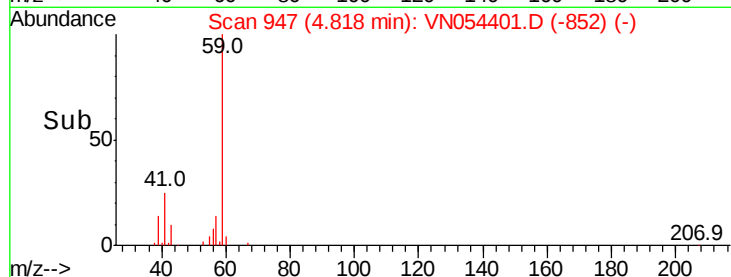
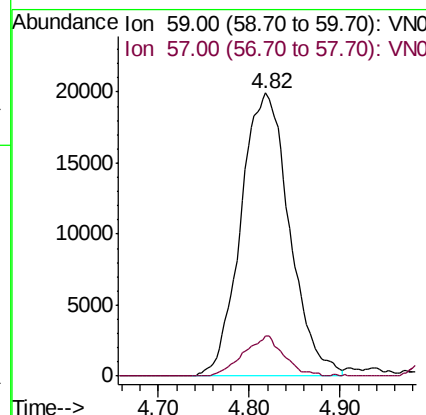
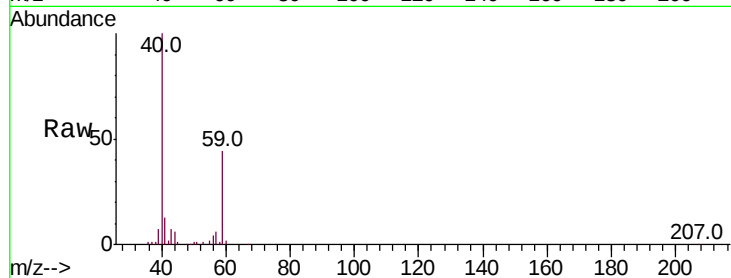
Tert butyl alcohol
Concen: 88.315 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.9	9.0	13.6

Manual Integrations
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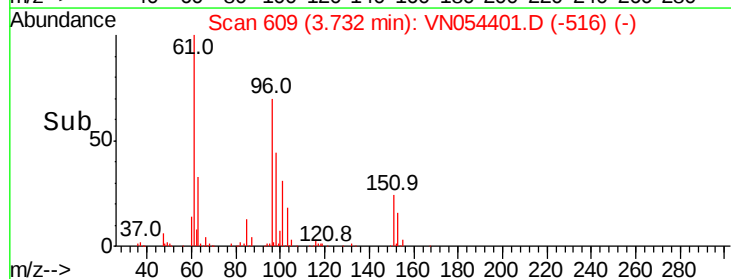
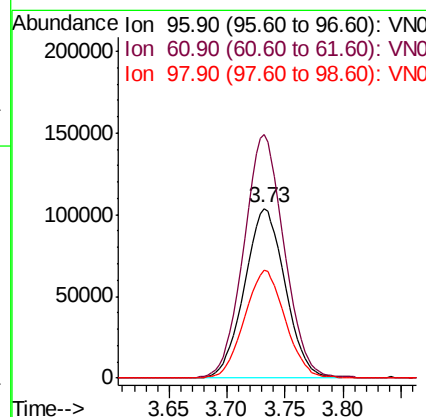
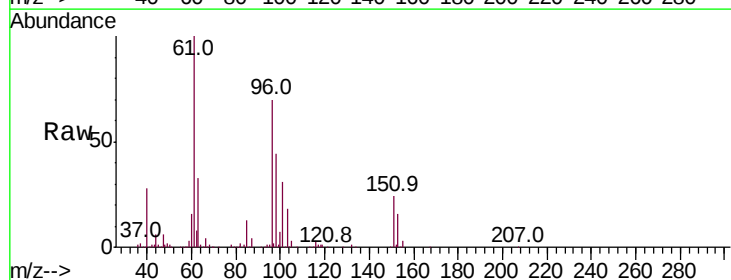
MMDadoda
3/19/2019 9:24:17 AM

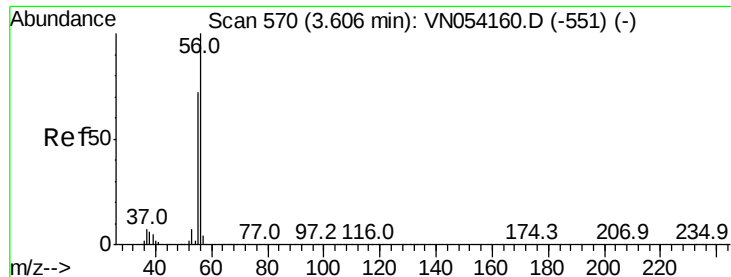


#12

1,1-Dichloroethene
Concen: 21.144 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.2	116.5	174.7
98	63.4	51.0	76.4





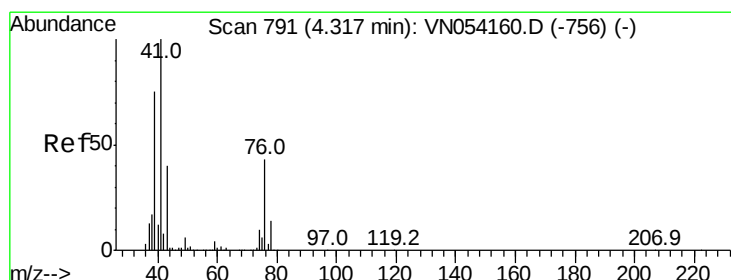
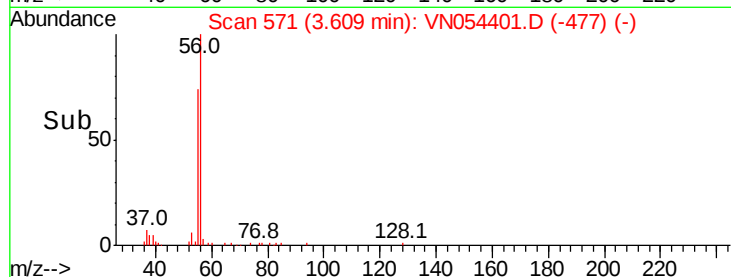
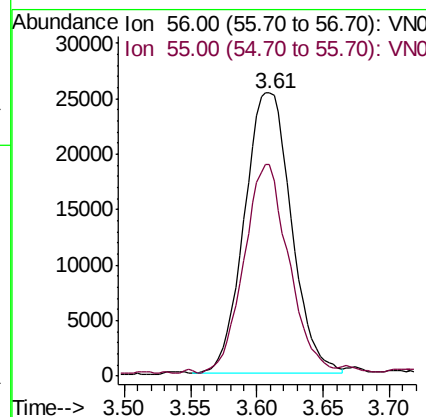
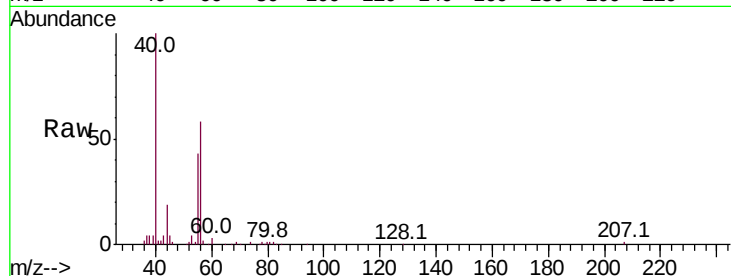
#13
Acrolein
Concen: 78.748 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.7	85.1

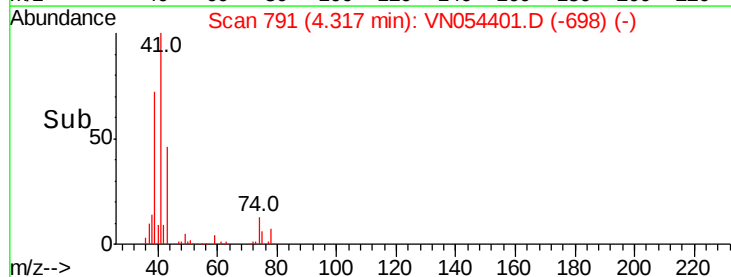
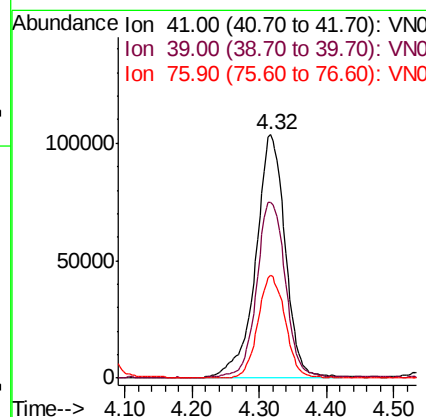
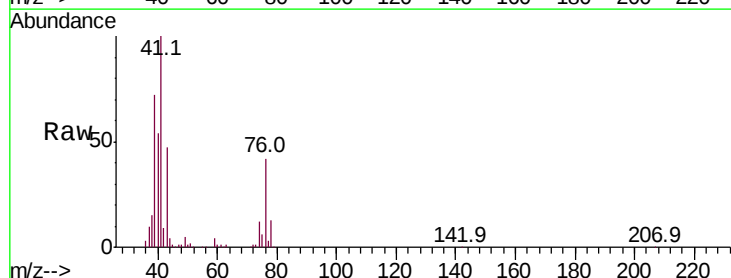
Manual Integrations
APPROVED

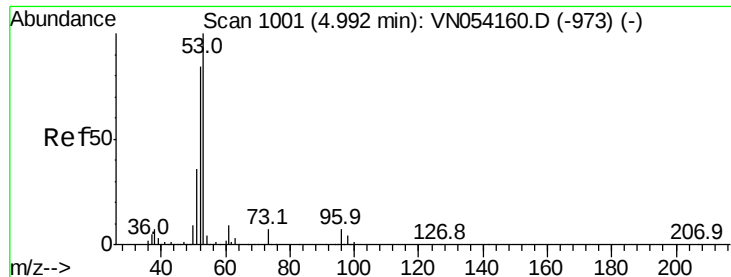
MMDadoda
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#14
Allyl chloride
Concen: 20.468 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.6	58.2	87.4
76	38.9	31.7	47.5





#15

Acrylonitrile

Concen: 113.502 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

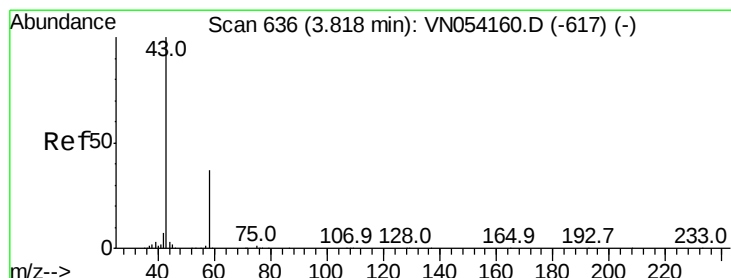
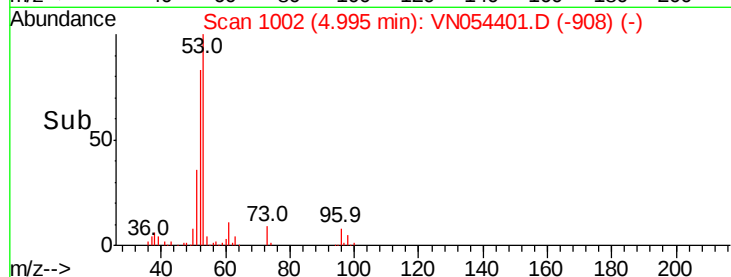
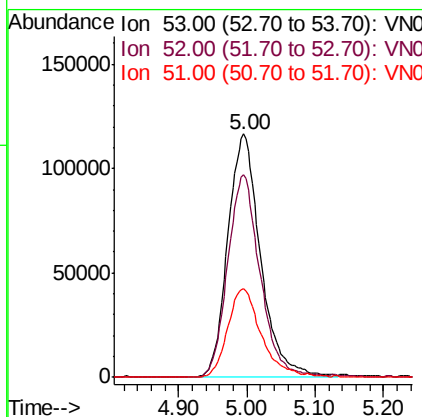
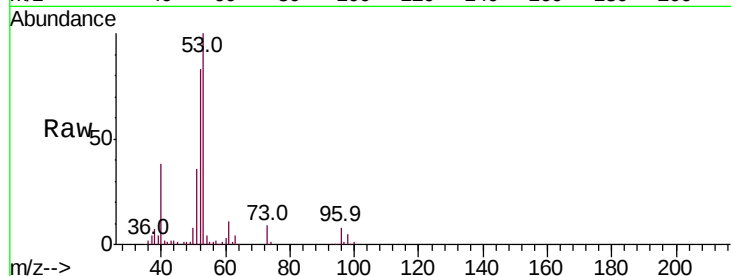
ClientSampleId :

VN0318MBS01

Tot Ion:	53	Resp:	390620
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.4	99.6
51	36.9	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 76.534 ug/l

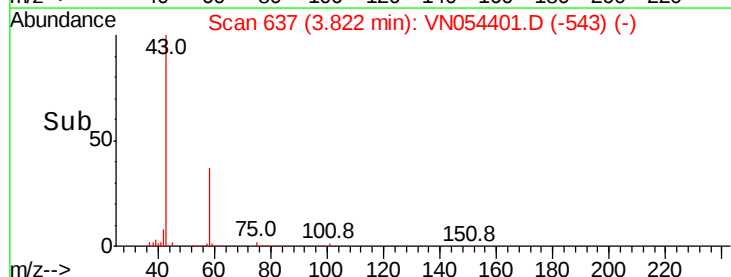
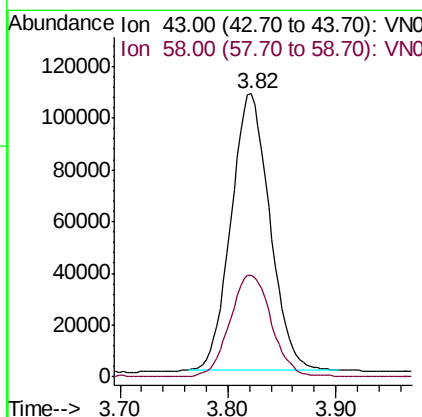
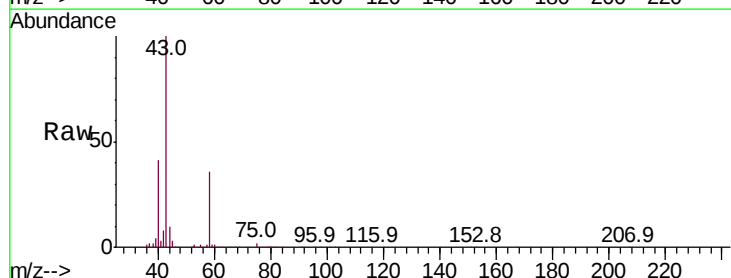
RT: 3.82 min Scan# 637

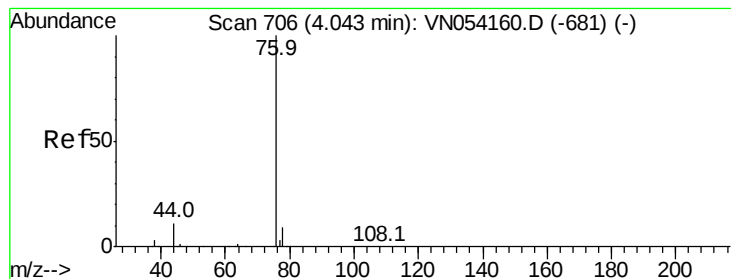
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	43	Resp:	267811
Ion Ratio	Lower	Upper	
43	100		
58	36.6	29.9	44.9





#17

Carbon Disulfide

Concen: 16.809 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 76 Resp: 503757

Ion Ratio Lower Upper

76 100

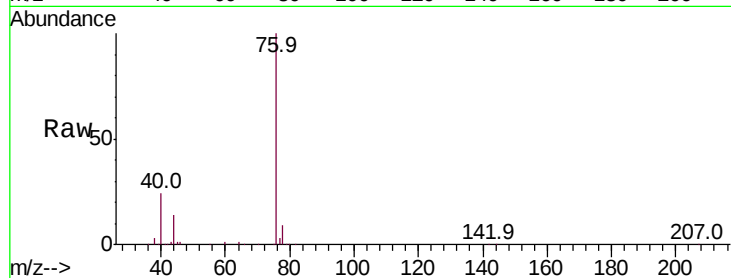
78 8.9 7.5 11.3

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

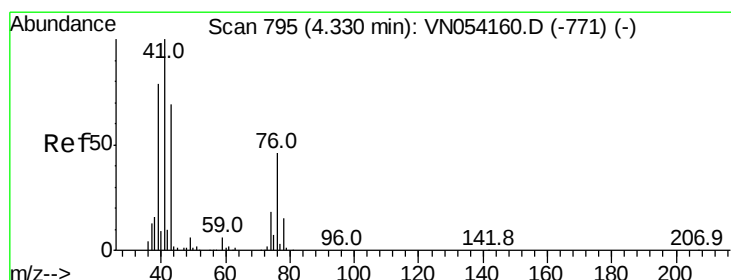
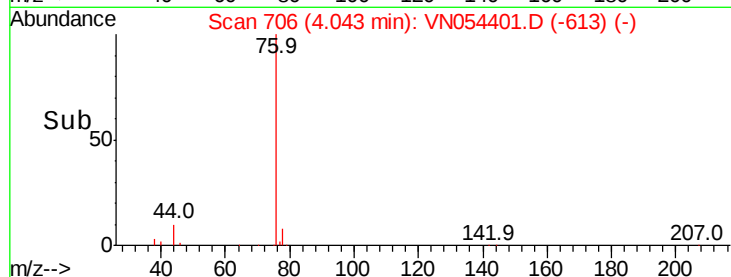
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 26.422 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054401.D

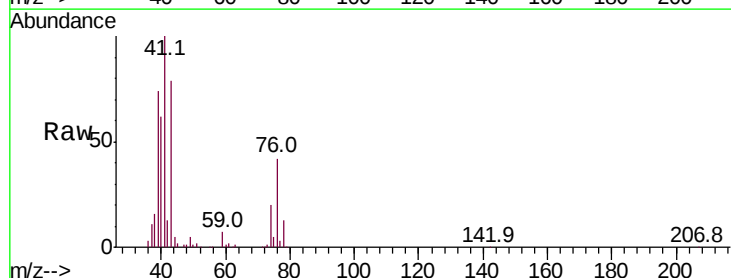
Acq: 18 Mar 2019 18:33

Tgt Ion: 43 Resp: 187059

Ion Ratio Lower Upper

43 100

74 26.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

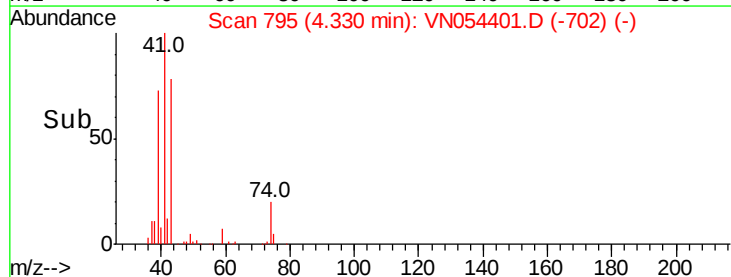
60000

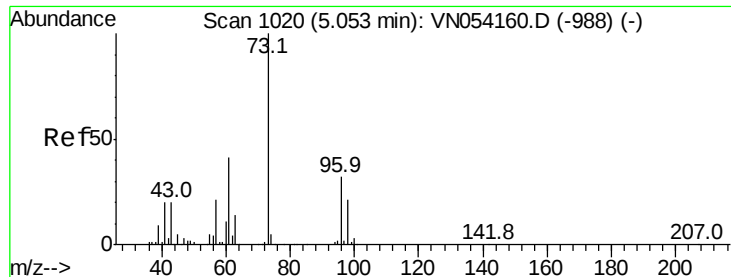
40000

20000

0

Time--> 4.20 4.30 4.40





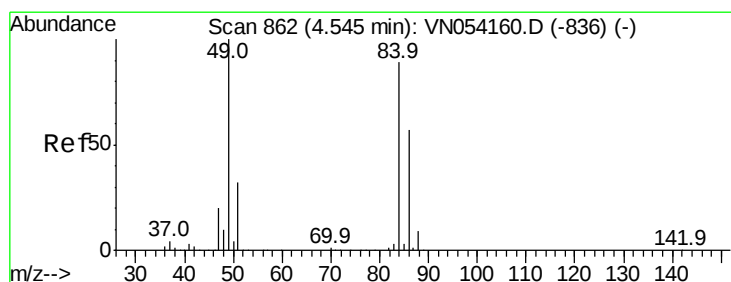
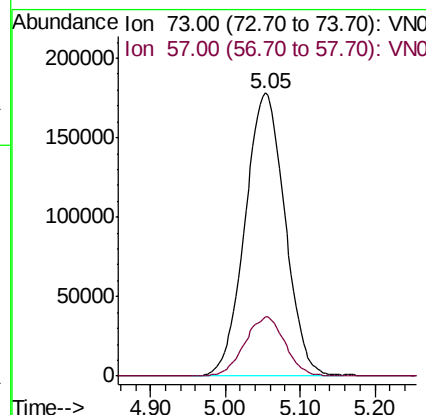
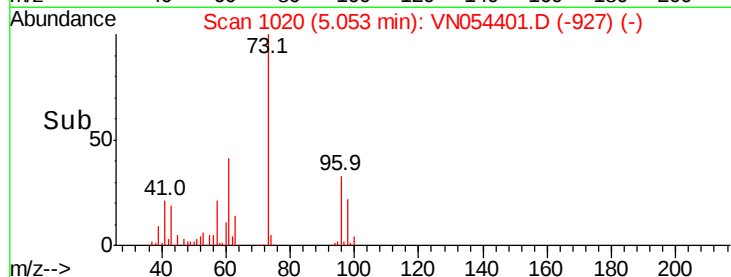
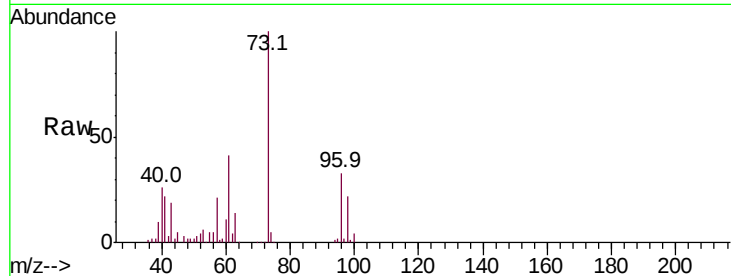
#19
Methvl tert-butvl Ether
Concen: 22.324 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion: 73 Resp: 661533
Ion Ratio Lower Upper
73 100
57 20.9 16.8 25.2

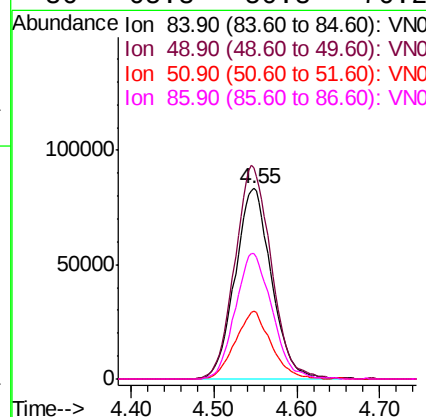
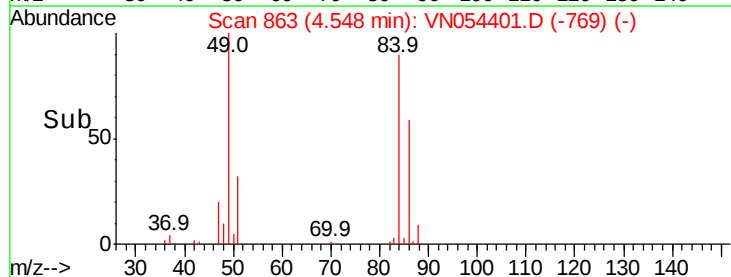
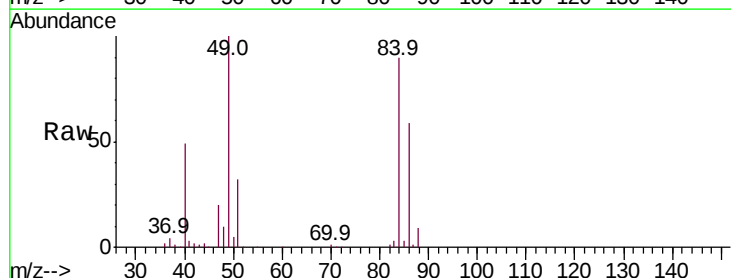
Manual Integrations
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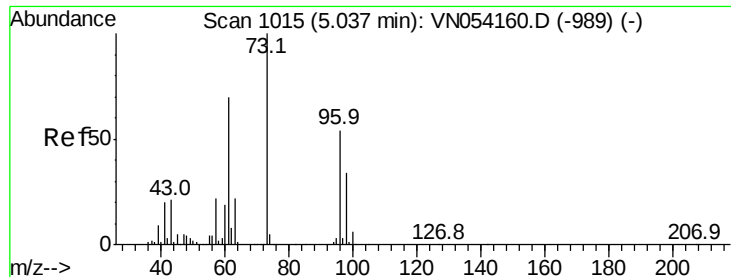
MMDadoda
3/19/2019 9:24:17 AM



#20
Methylene Chloride
Concen: 22.201 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion: 84 Resp: 255083
Ion Ratio Lower Upper
84 100
49 111.0 89.7 134.5
51 35.7 28.2 42.4
86 65.8 50.8 76.2





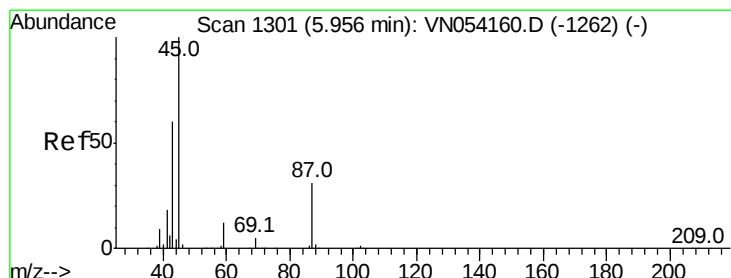
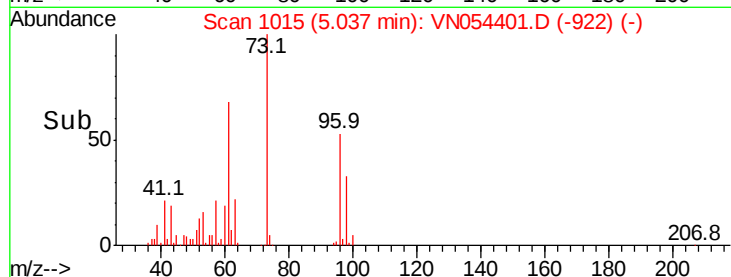
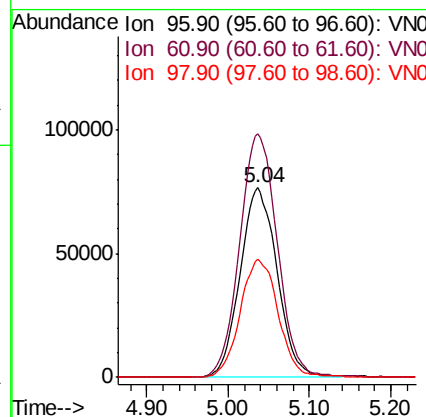
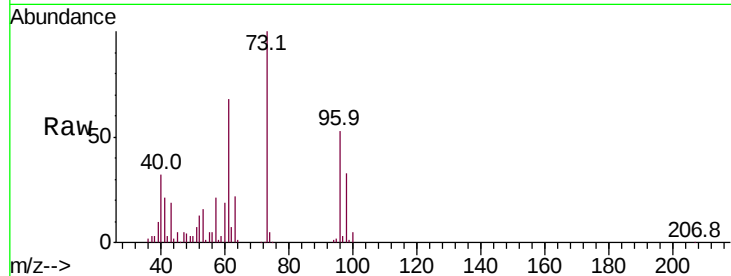
#21
trans-1,2-Dichloroethene
Concen: 21.060 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampled :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.6	102.8	154.2
98	62.7	50.0	75.0

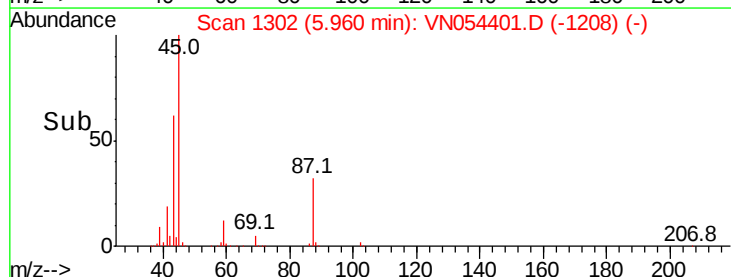
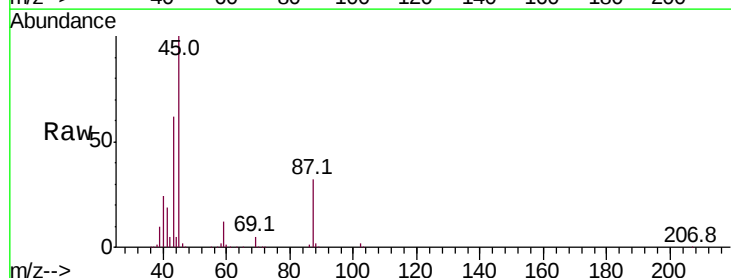
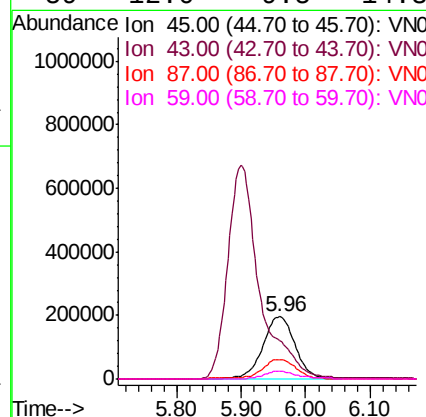
Manual Integrations
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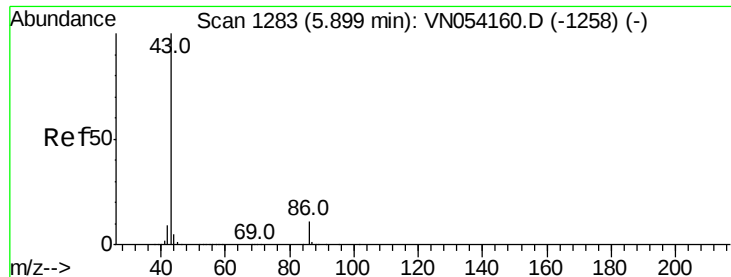
MMDadoda
3/19/2019 9:24:17 AM



#22
Diisopropyl ether
Concen: 22.517 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.2	72.2
87	31.2	24.9	37.3
59	12.0	9.5	14.3





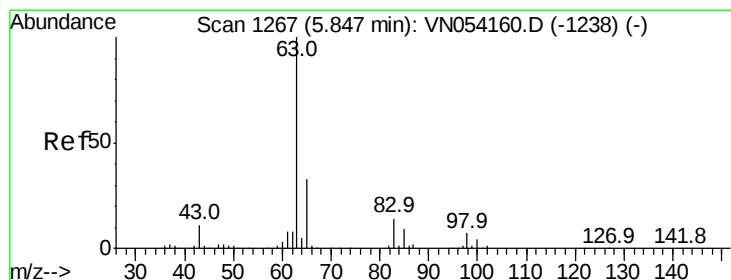
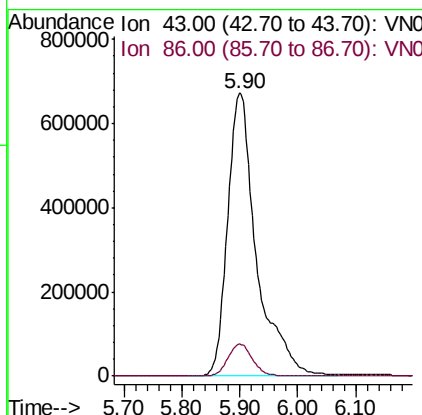
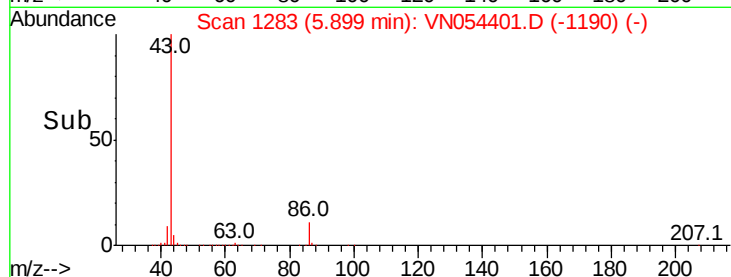
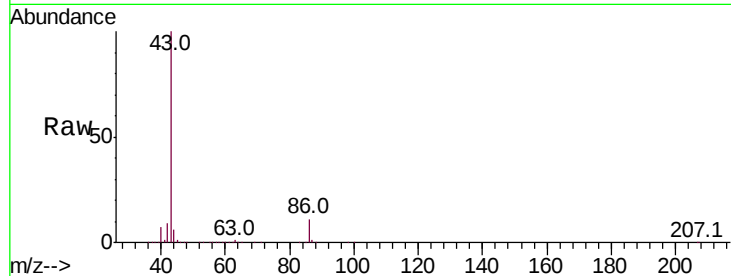
#23
 Vinyl Acetate
 Concen: 103.208 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Tot Ion: 43 Resp: 2329616
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.1 13.7

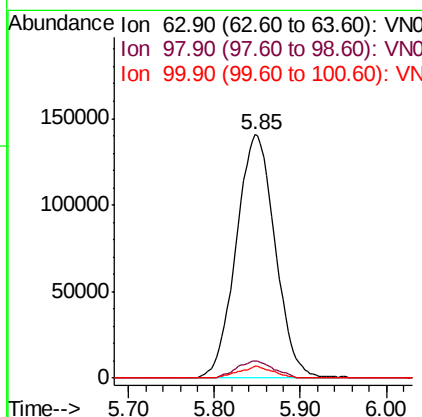
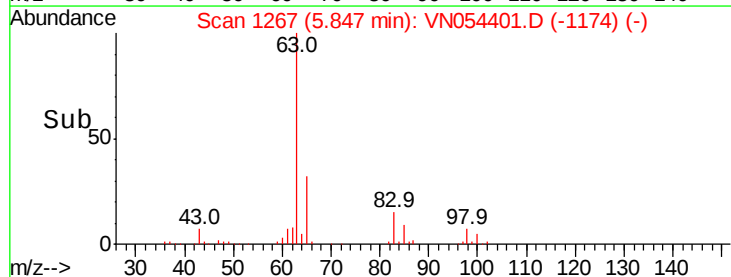
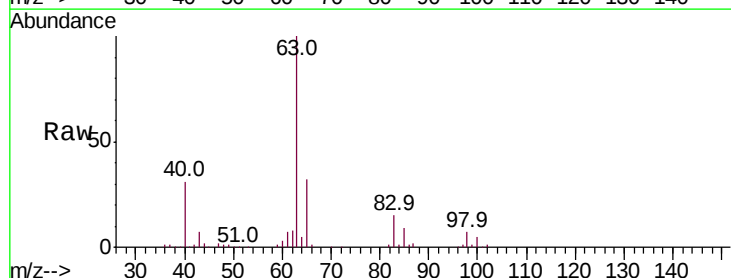
Manual Integrations
 APPROVED

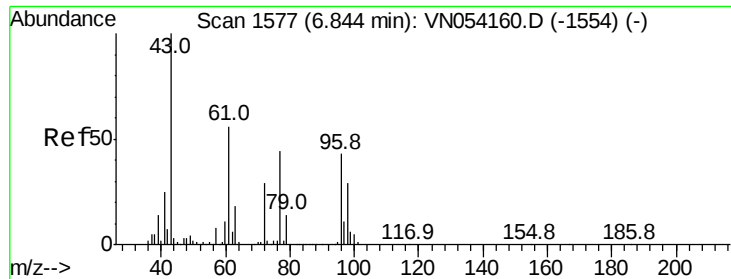
MMDadoda
 3/19/2019 9:24:17 AM



#24
 1,1-Dichloroethane
 Concen: 22.521 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion: 63 Resp: 442697
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.6 2.0 6.0





#25

2-Butanone

Concen: 104.893 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 43 Resp: 430800

Ion Ratio Lower Upper

43 100

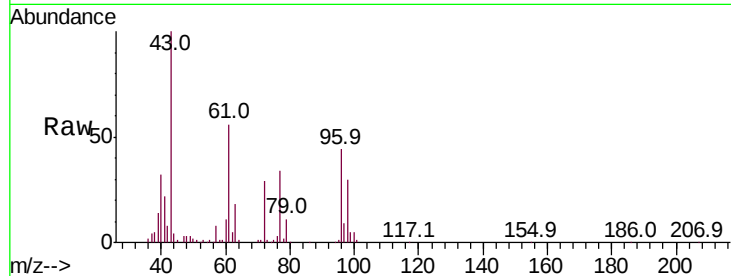
72 28.7 23.0 34.6

Manual Integrations

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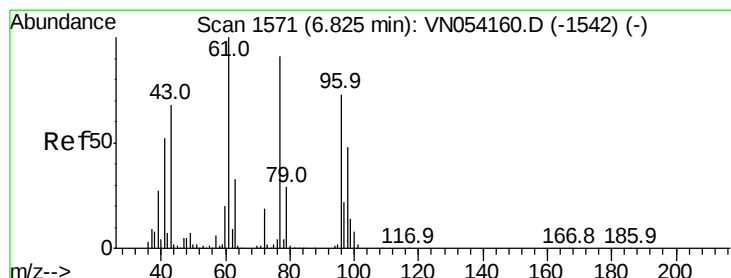
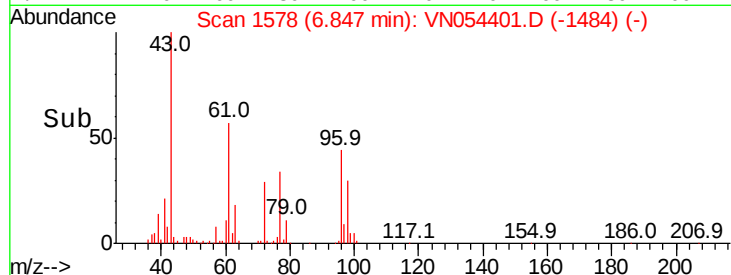
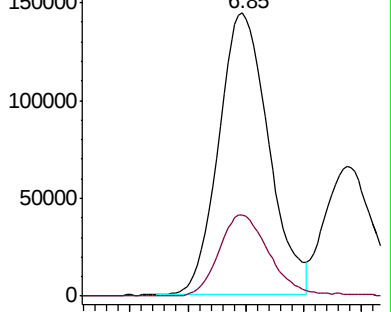
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 15.882 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054401.D

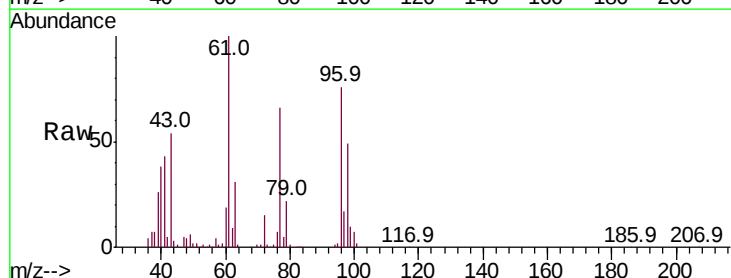
Acq: 18 Mar 2019 18:33

Tgt Ion: 77 Resp: 274534

Ion Ratio Lower Upper

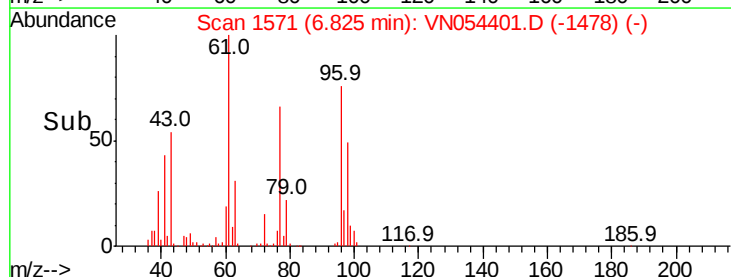
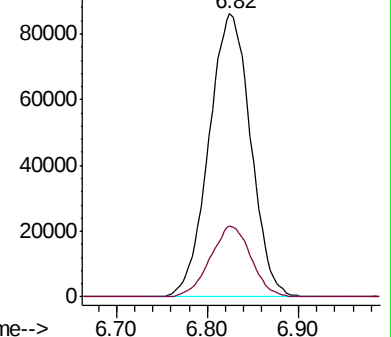
77 100

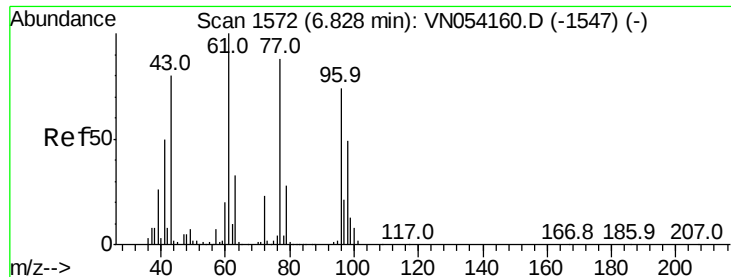
97 24.4 11.9 35.9



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: 22.743 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

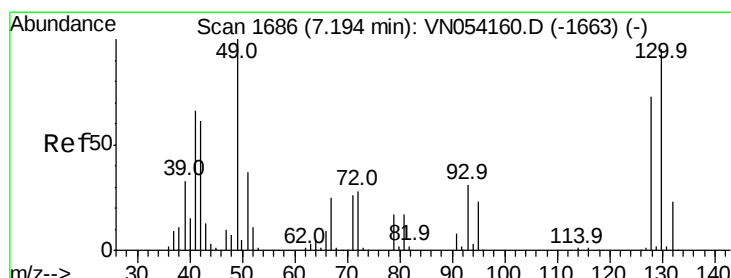
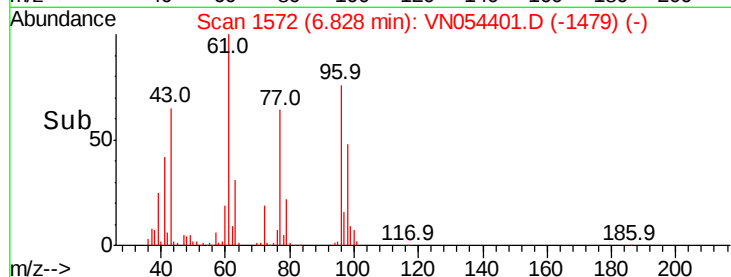
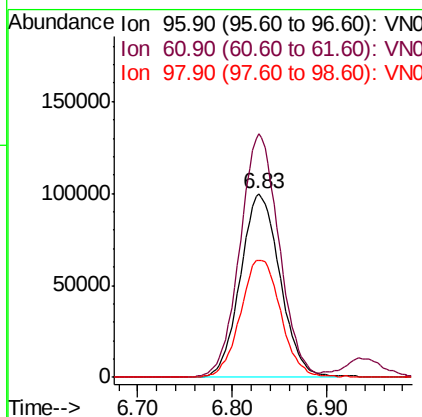
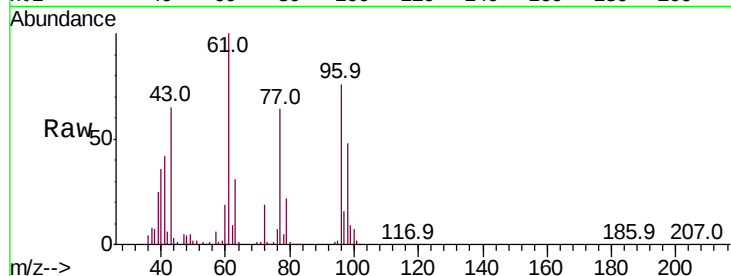
ClientSampleId :

VN0318MBS01

Tot Ion:	96	Resp:	290637
Ion Ratio	Lower	Upper	
96	100		
61	130.7	0.0	273.0
98	64.9	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.001 ug/l

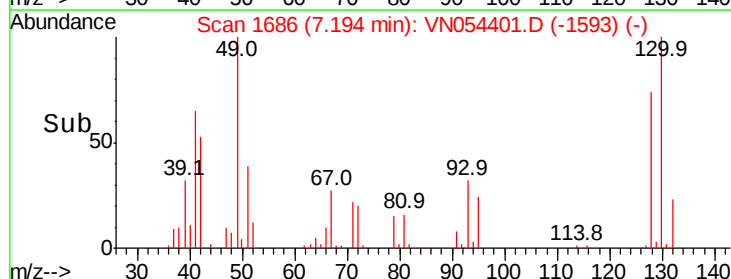
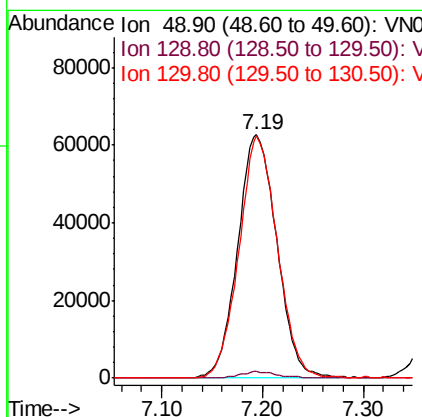
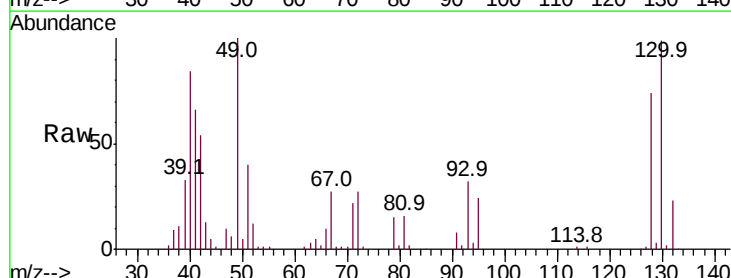
RT: 7.19 min Scan# 1686

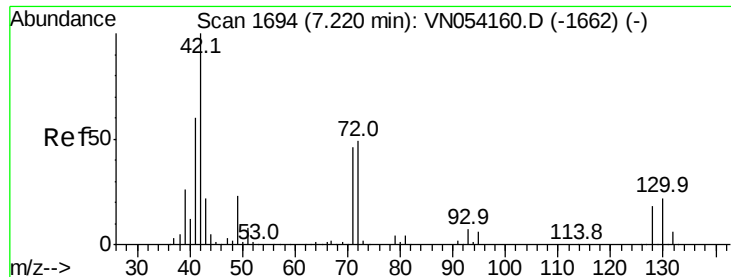
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	49	Resp:	168764
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.6
130	97.0	76.7	115.1





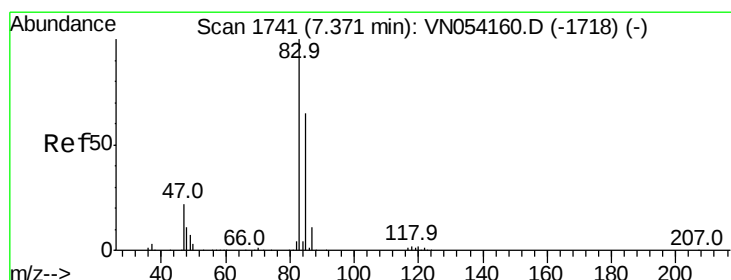
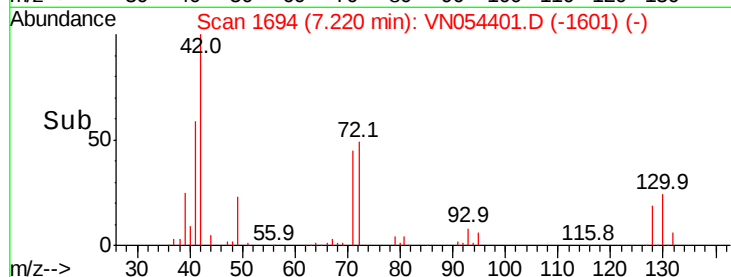
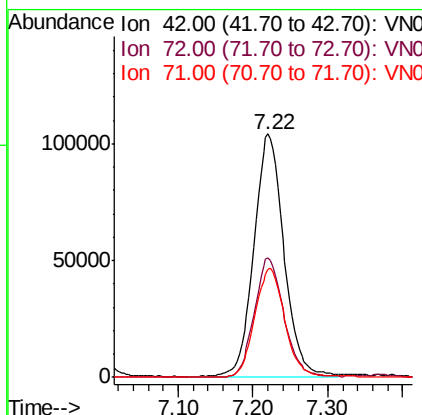
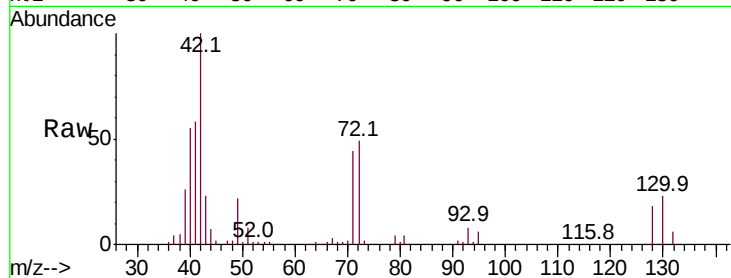
#29
Tetrahydrofuran
Concen: 109.801 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	37.8	56.6
71	45.0	36.2	54.2

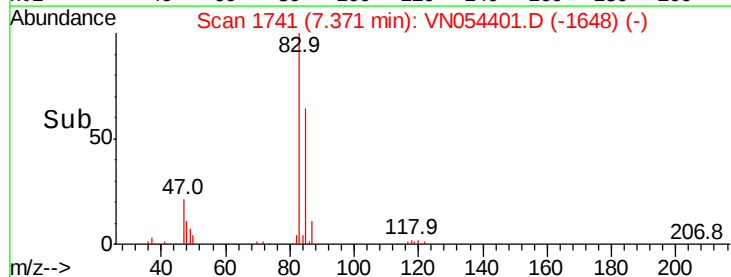
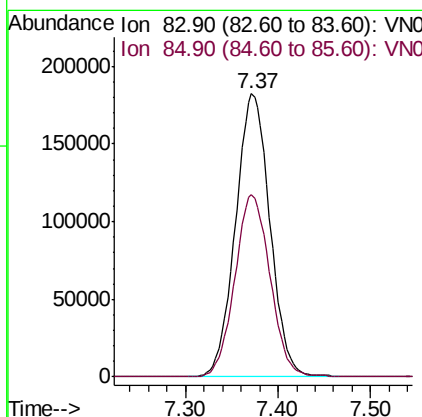
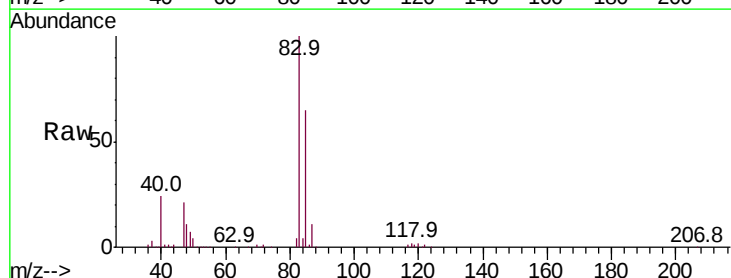
Manual Integrations
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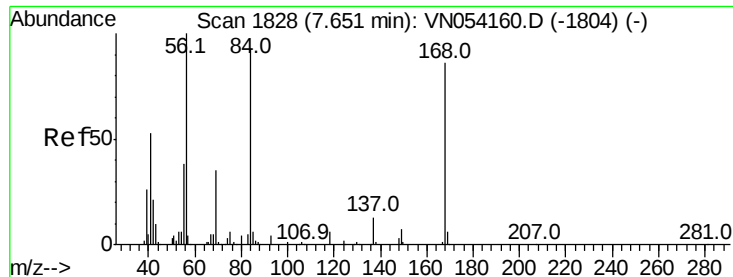
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#30
Chloroform
Concen: 22.886 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4





#31

Cyclohexane

Concen: 19.620 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

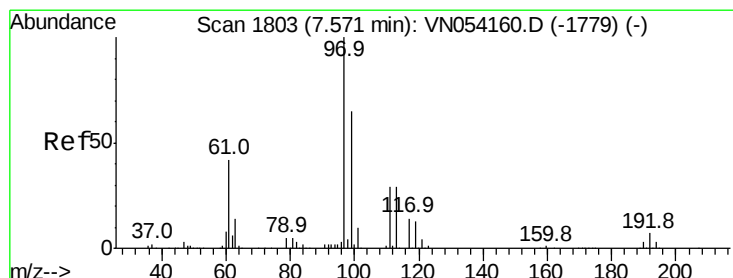
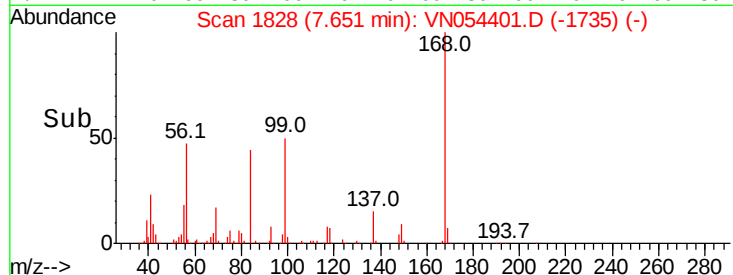
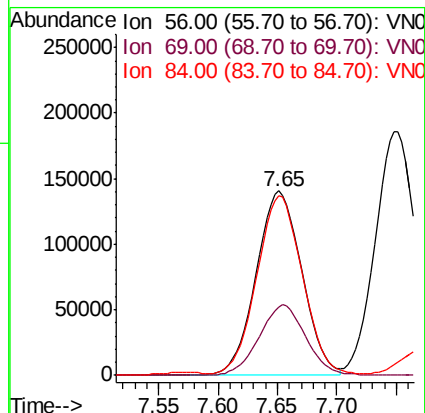
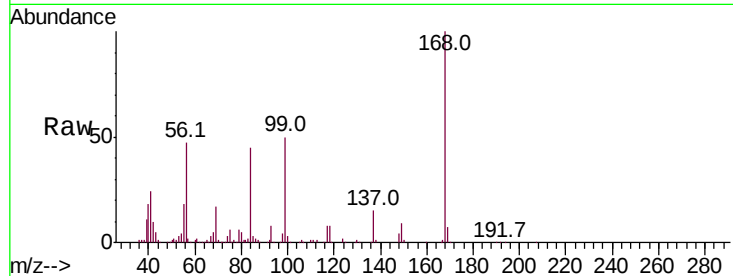
ClientSampleId :

VN0318MBS01

Tot Ion:	56	Resp:	374280
Ion	Ratio	Lower	Upper
56	100		
69	37.1	27.8	41.6
84	95.6	74.6	111.8

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#32

1,1,1-Trichloroethane

Concen: 21.040 ug/l

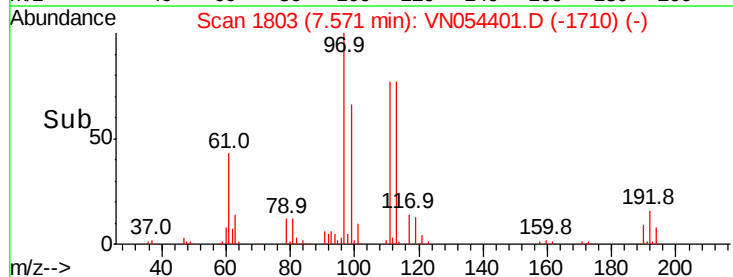
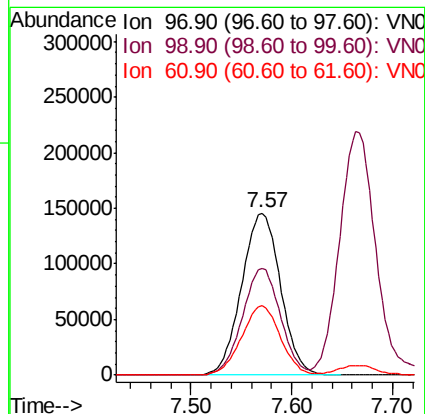
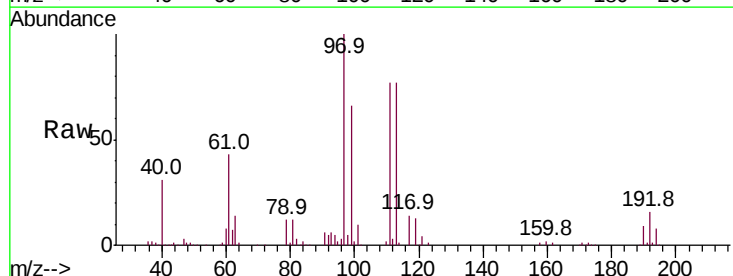
RT: 7.57 min Scan# 1803

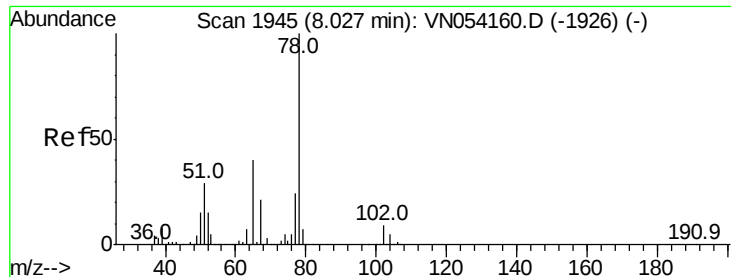
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	97	Resp:	389758
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	42.9	33.6	50.4





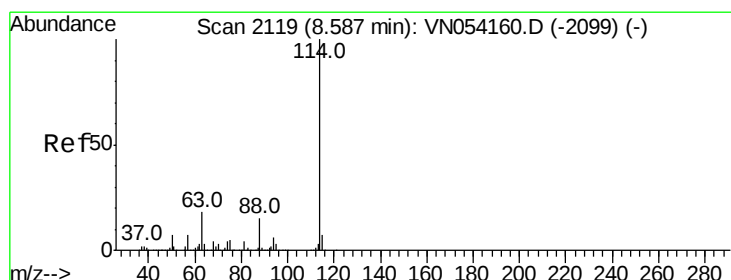
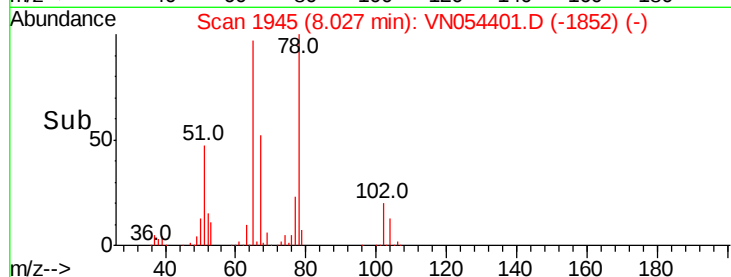
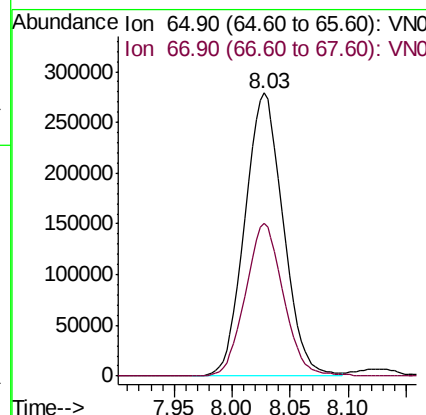
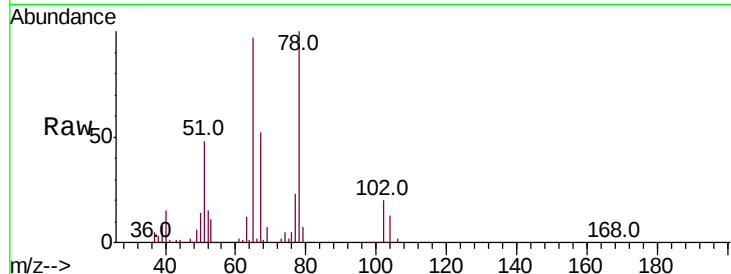
#33
 1,2-Dichloroethane-d4
 Concen: 52.671 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	104.6

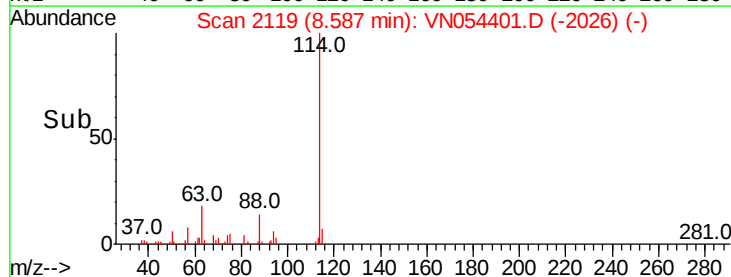
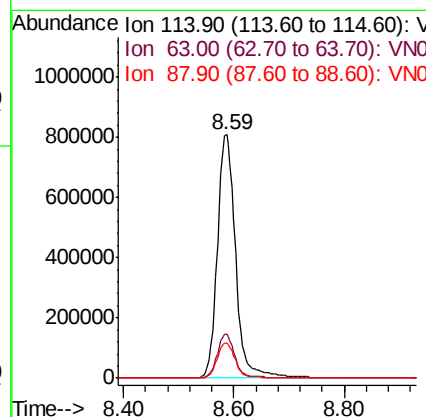
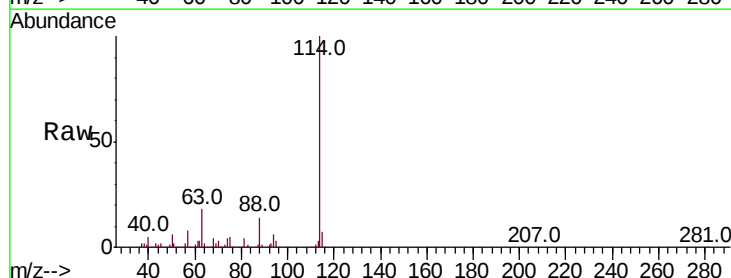
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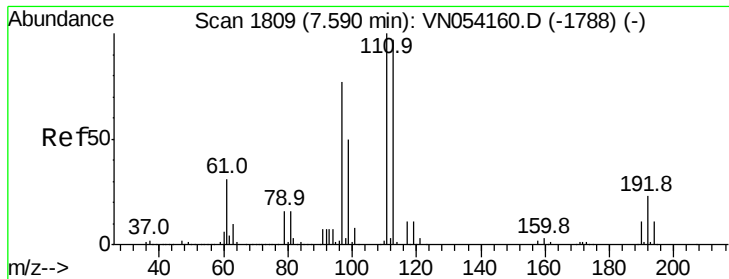
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.2
88	14.4	0.0	30.2





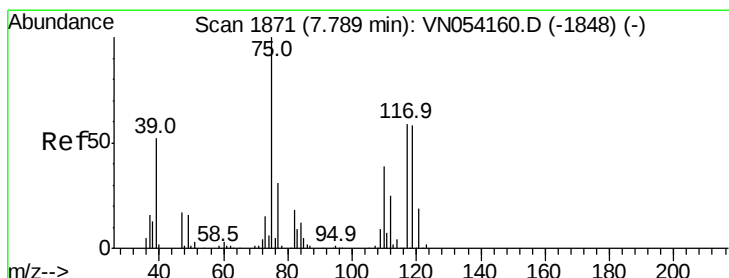
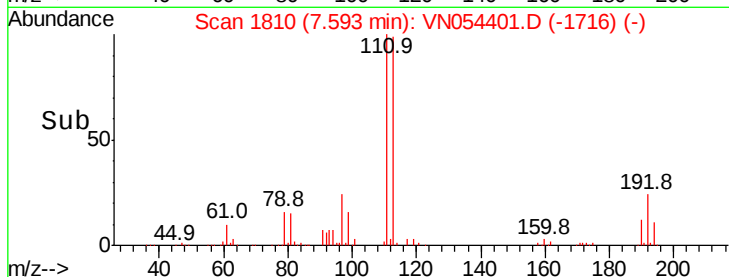
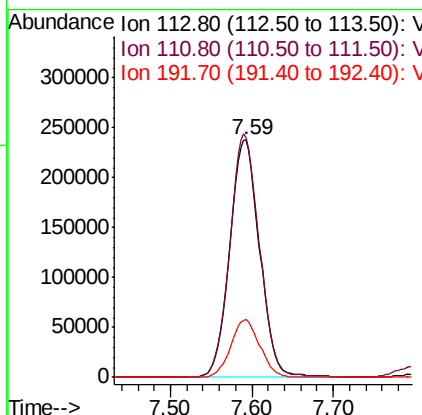
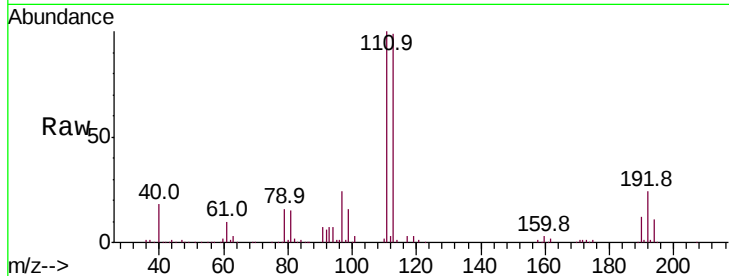
#35
 Dibromofluoromethane
 Concen: 50.989 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	607823		
111	101.6		82.2	123.4
192	23.6		19.2	28.8

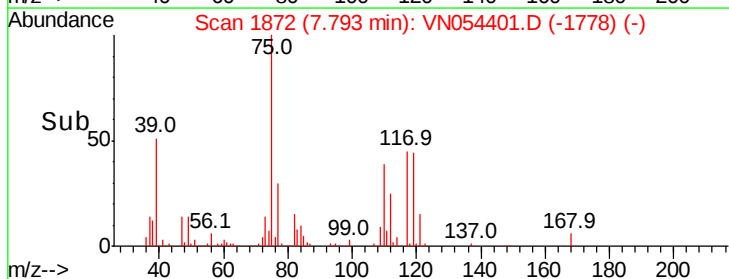
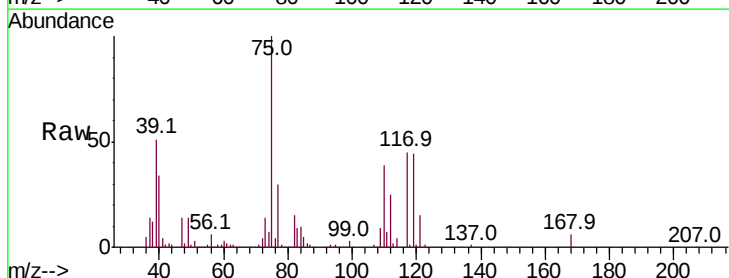
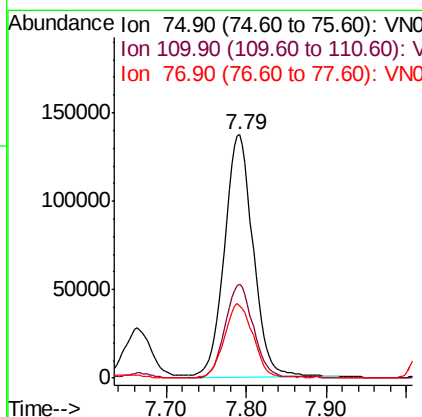
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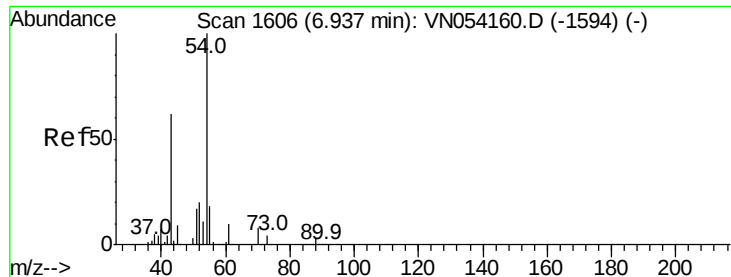
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#36
 1,1-Dichloropropene
 Concen: 19.768 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	336473		
110	38.4		19.1	57.5
77	31.1		25.0	37.4





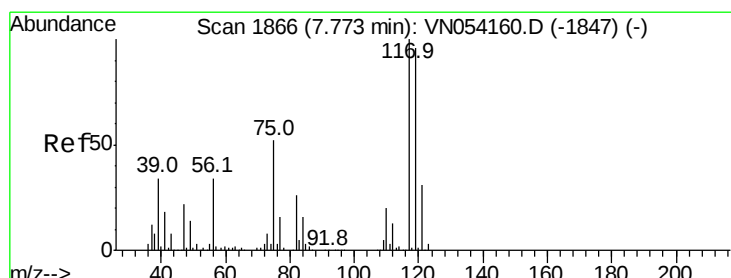
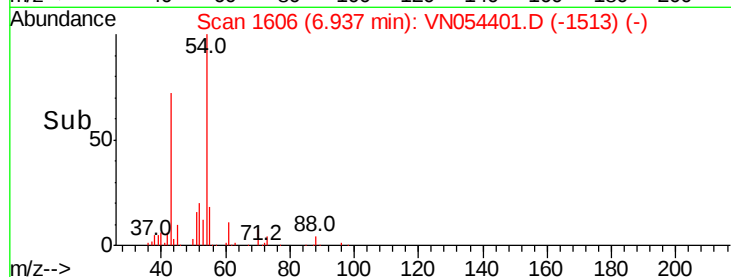
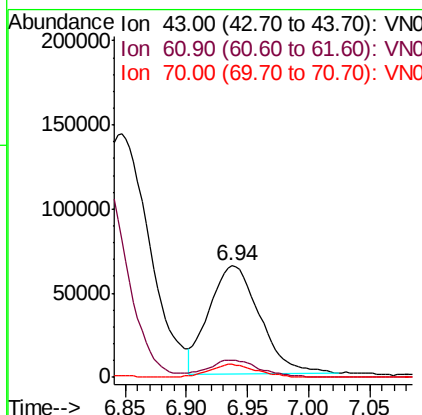
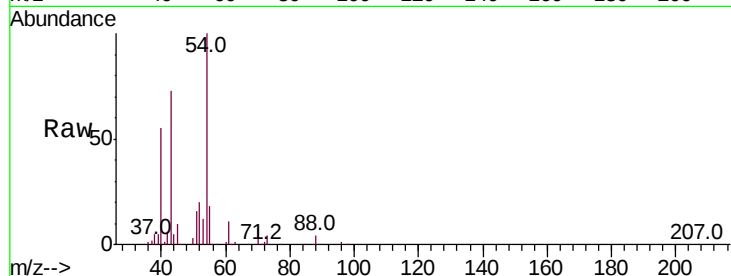
#37
Ethyl Acetate
Concen: 19.188 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	10.8	8.4	12.6

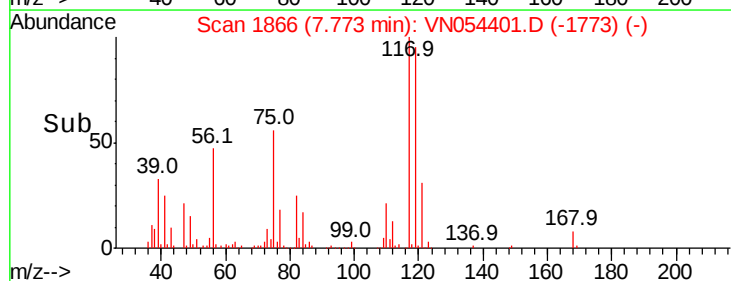
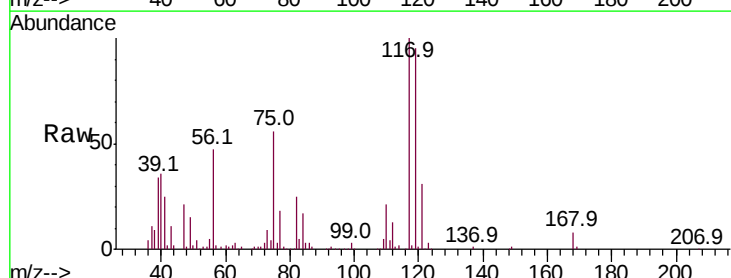
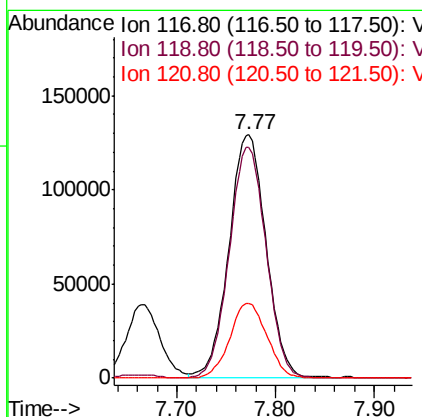
Manual Integrations
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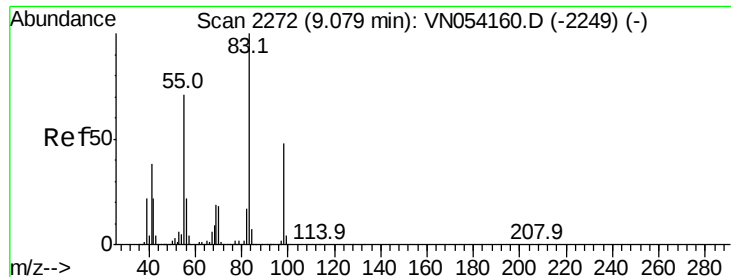
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3/19/2019 9:24:17 AM



#38
Carbon Tetrachloride
Concen: 18.855 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.3	114.5
121	30.8	24.6	36.8





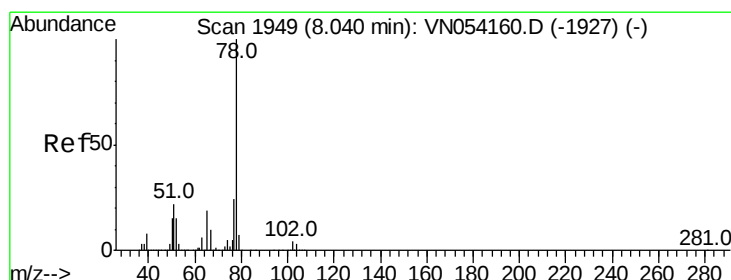
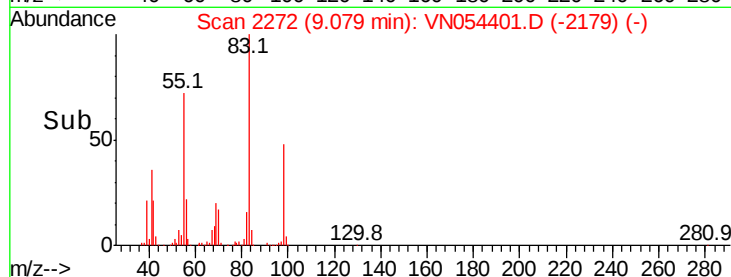
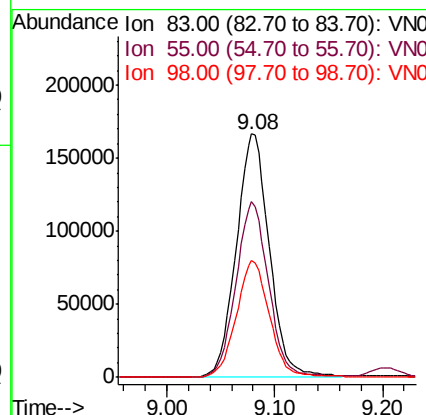
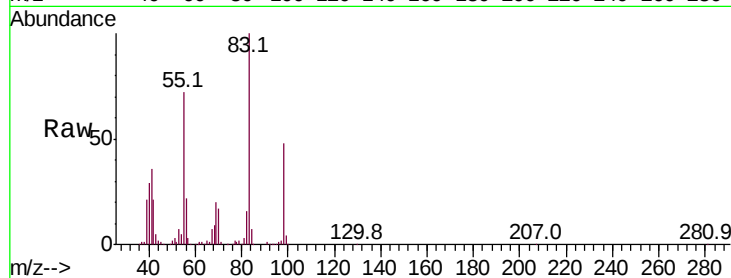
#39
Methvlcvclohexane
Concen: 17.048 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	56.6	84.8
98	48.0	38.4	57.6

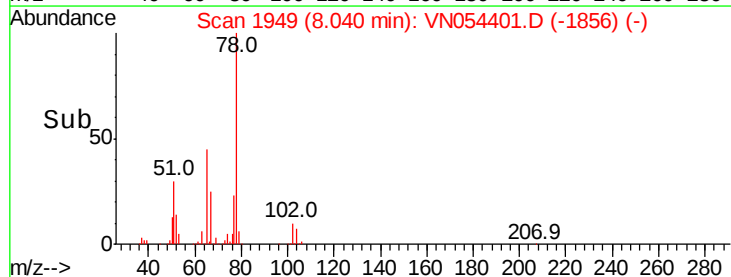
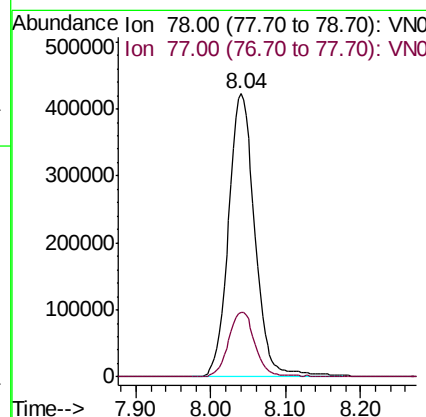
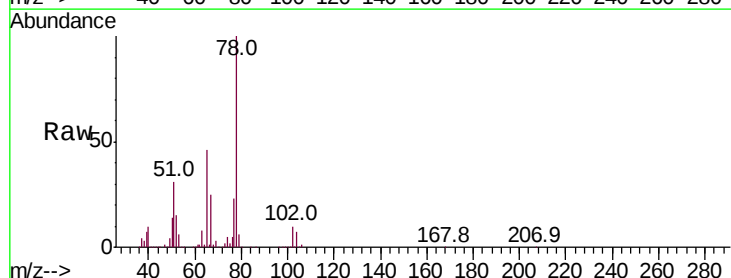
Manual Integrations
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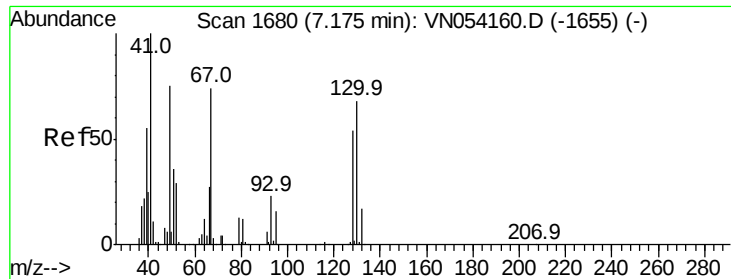
MMDadoda
3/19/2019 9:24:17 AM



#40
Benzene
Concen: 21.212 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.1	28.7





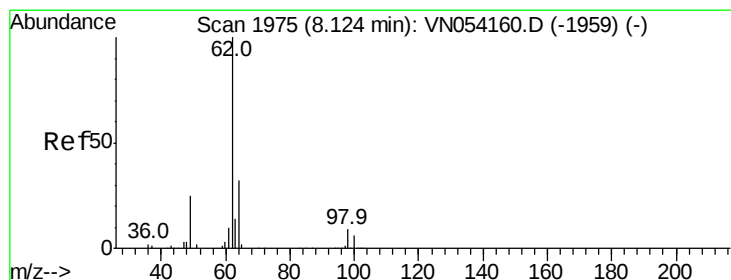
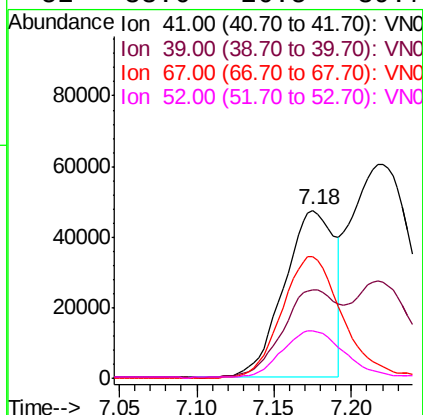
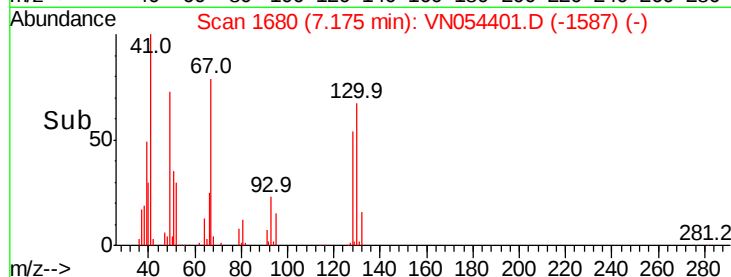
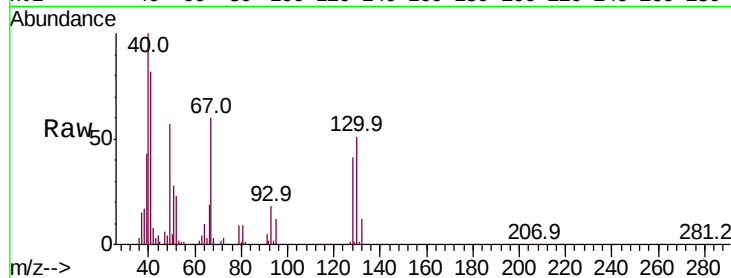
#41
Methacrylonitrile
Concen: 19.266 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.3	46.8	70.2
67	87.9	67.0	100.4
52	33.6	26.5	39.7

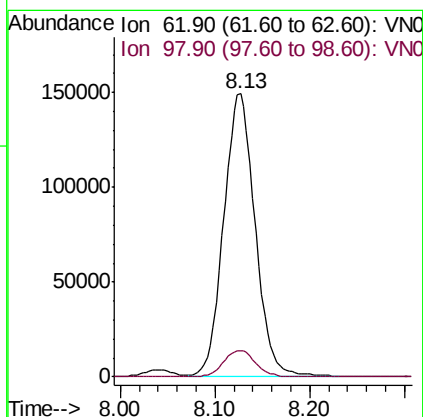
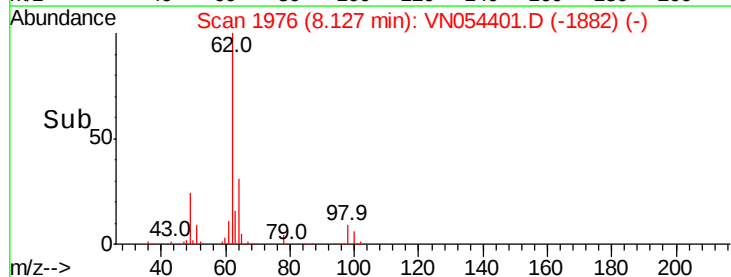
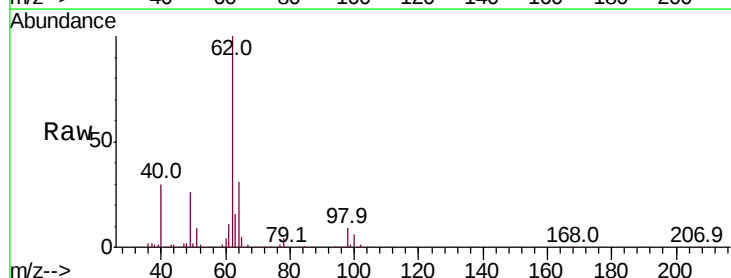
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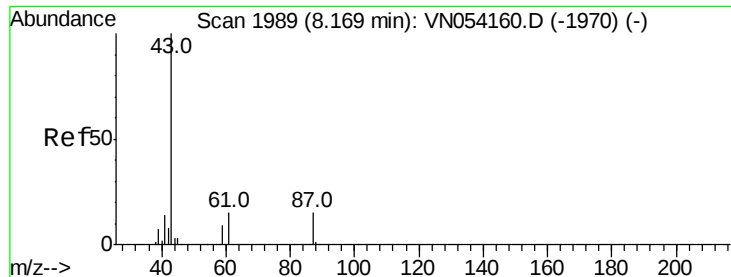
MMDadoda
3/19/2019 9:24:17 AM



#42
1,2-Dichloroethane
Concen: 20.865 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 18.803 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

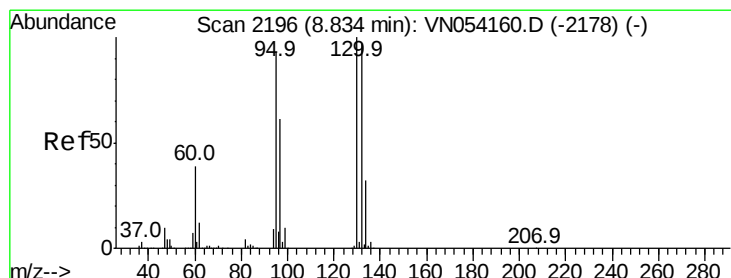
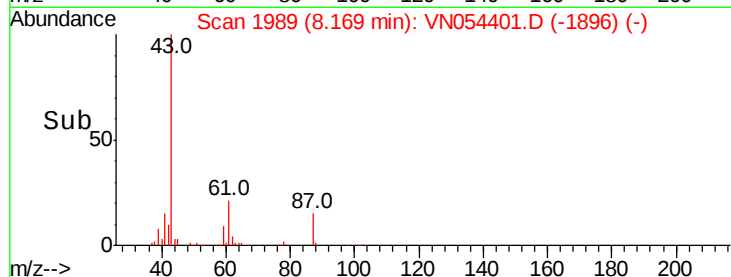
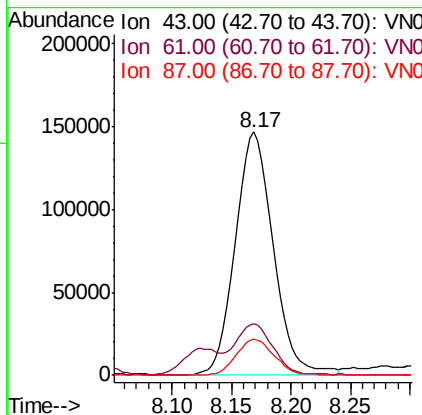
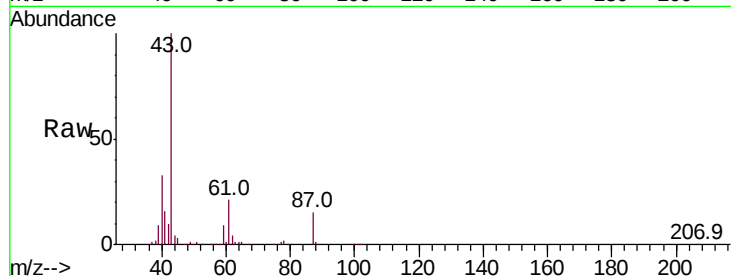
ClientSampleId :

VN0318MBS01

Tot Ion:	43	Resp:	322793
Ion	Ratio	Lower	Upper
43	100		
61	20.4	15.8	23.8
87	14.9	12.0	18.0

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#44

Trichloroethene

Concen: 20.189 ug/l

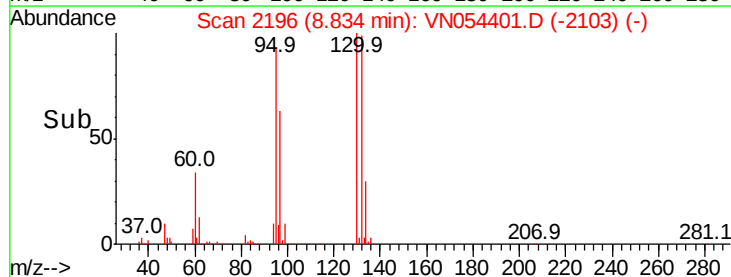
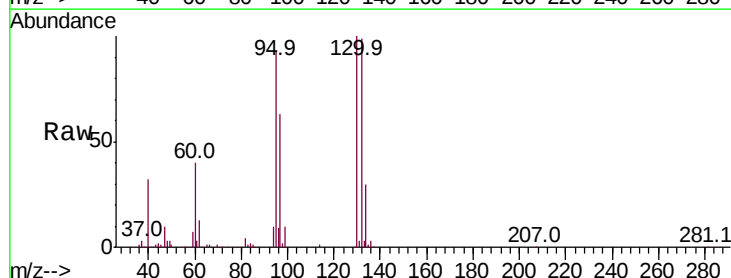
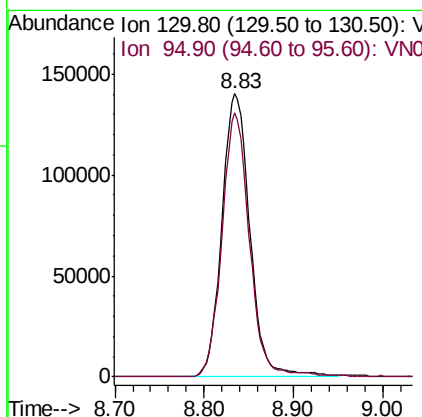
RT: 8.83 min Scan# 2196

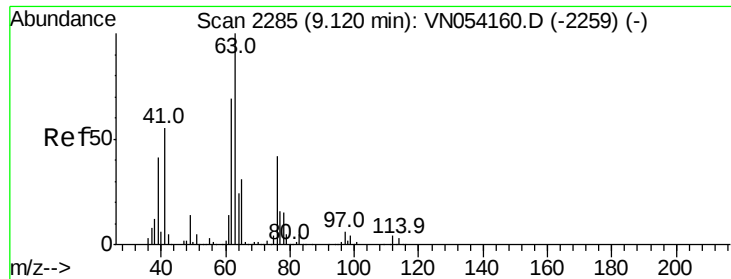
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	130	Resp:	305484
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.2





#45

1,2-Dichloropropane

Concen: 21.648 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 63 Resp: 261819

Ion Ratio Lower Upper

63 100

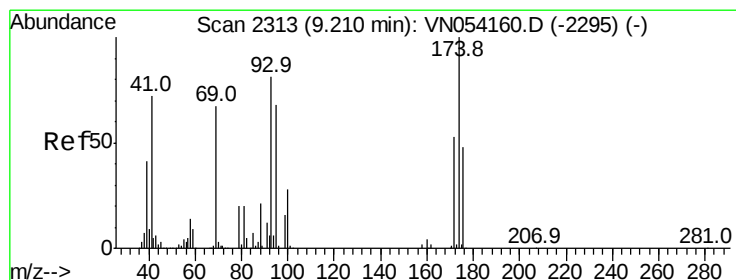
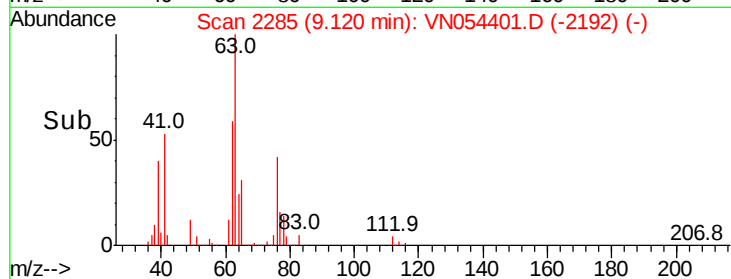
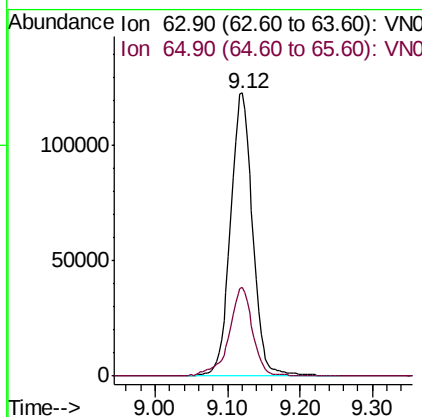
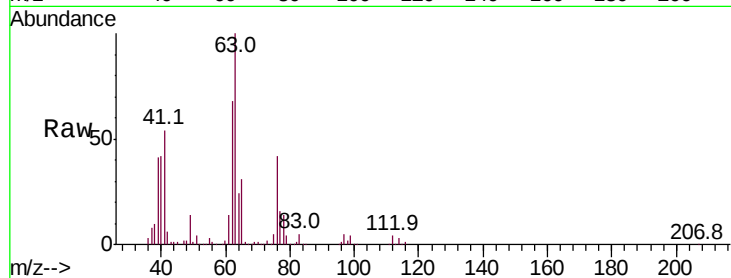
65 31.3 25.0 37.6

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#46

Dibromomethane

Concen: 20.394 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

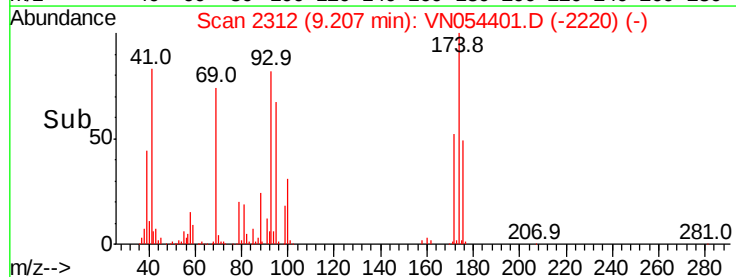
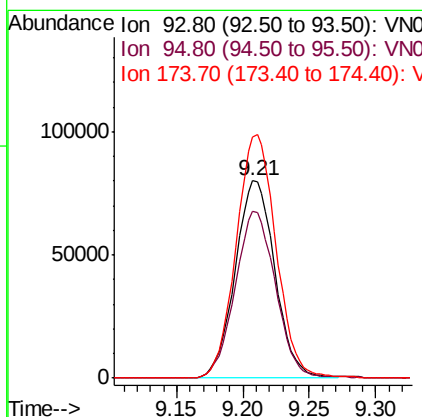
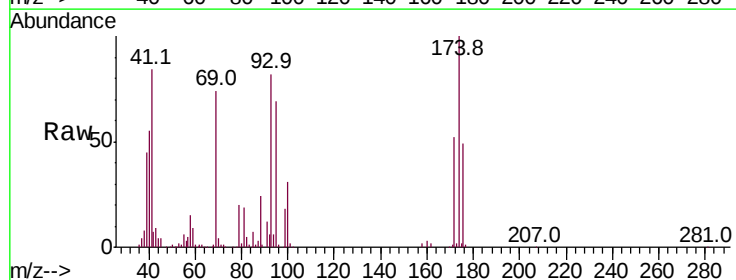
Tgt Ion: 93 Resp: 166653

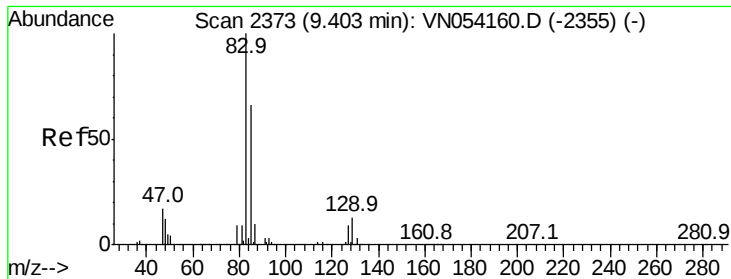
Ion Ratio Lower Upper

93 100

95 86.2 66.7 100.1

174 124.1 98.5 147.7





#47

Bromodichloromethane

Concen: 20.200 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

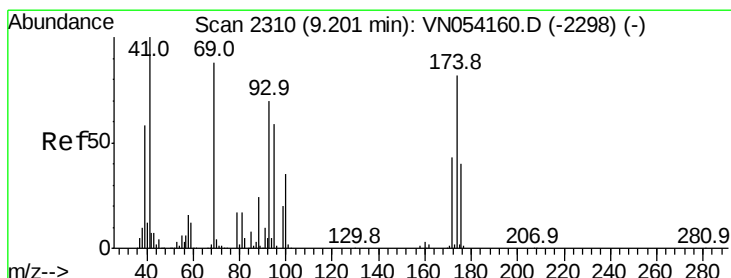
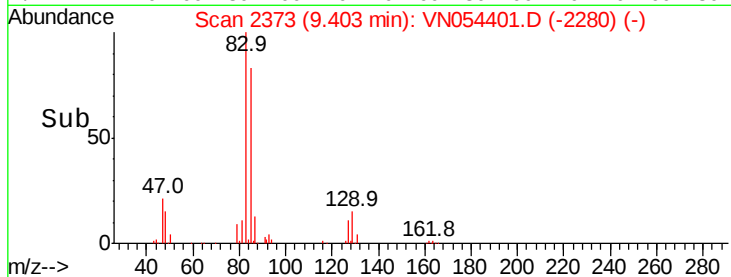
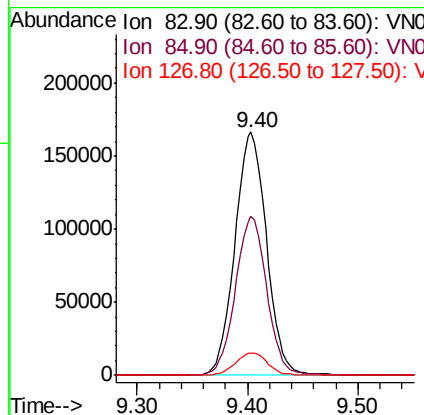
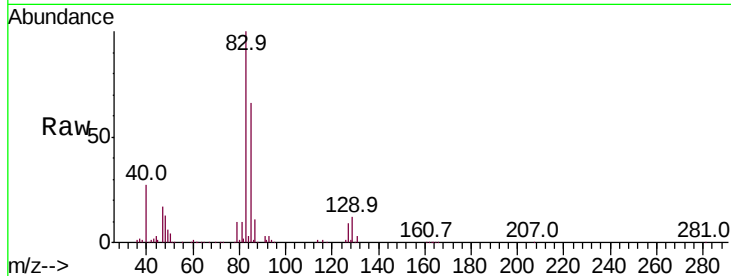
ClientSampleId :

VN0318MBS01

Tot Ion:	83	Resp:	330920
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.8	79.2
127	9.1	7.4	11.2

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#48

Methyl methacrylate

Concen: 20.100 ug/l

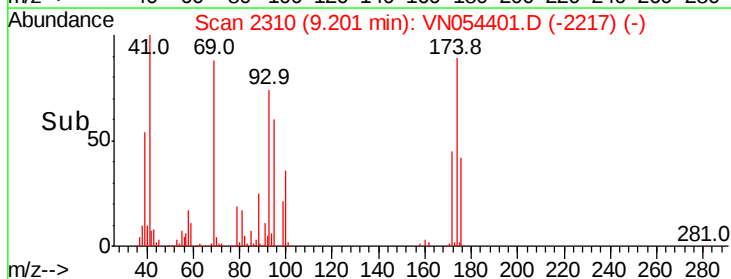
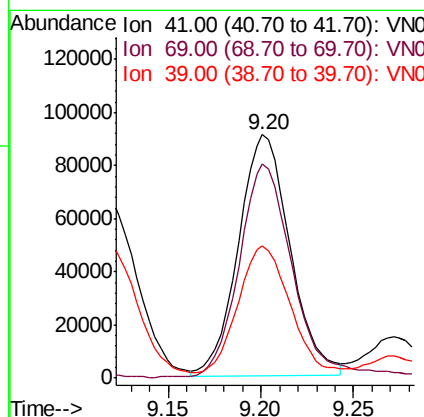
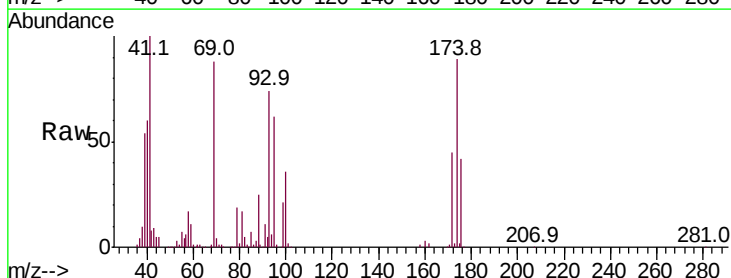
RT: 9.20 min Scan# 2310

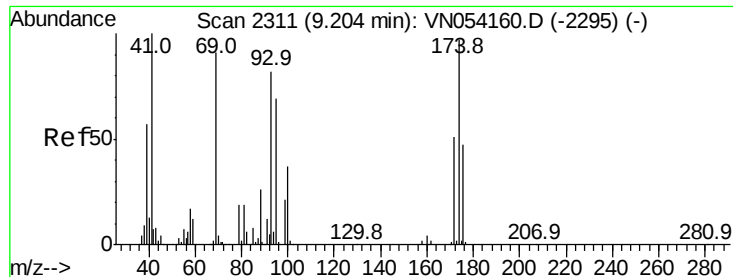
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	41	Resp:	175105
Ion Ratio	Lower	Upper	
41	100		
69	92.8	72.6	108.8
39	56.9	47.5	71.3





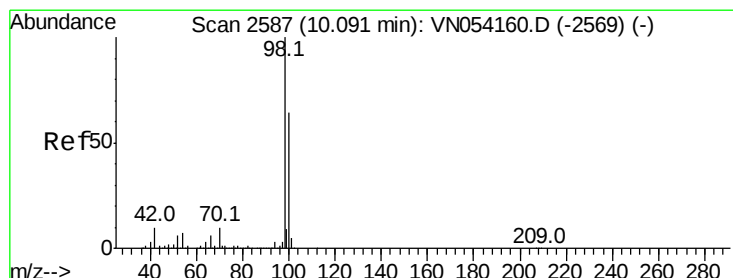
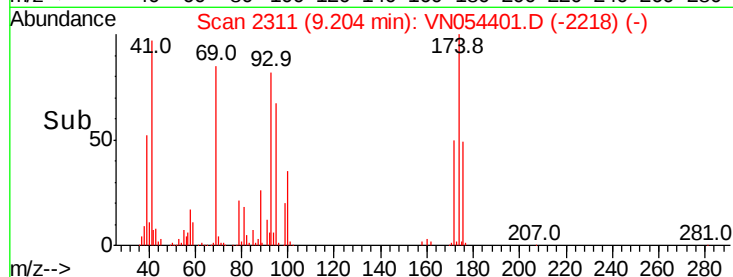
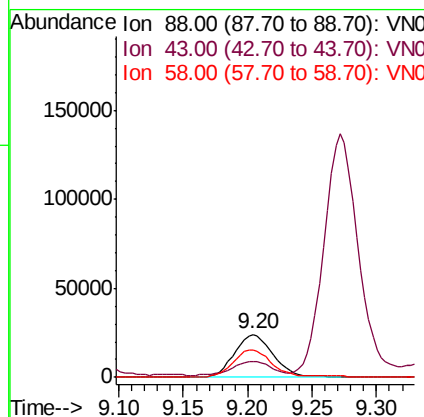
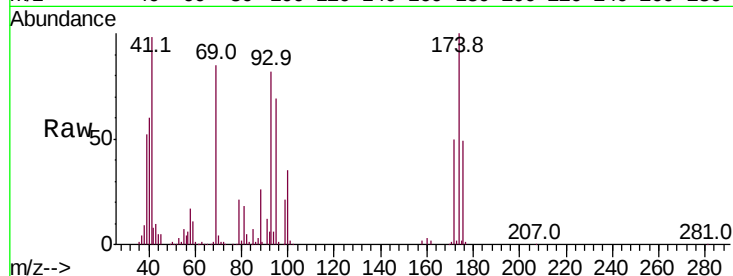
#49
1,4-Dioxane
Concen: 411.585 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.1	36.1
58	63.1	50.8	76.2

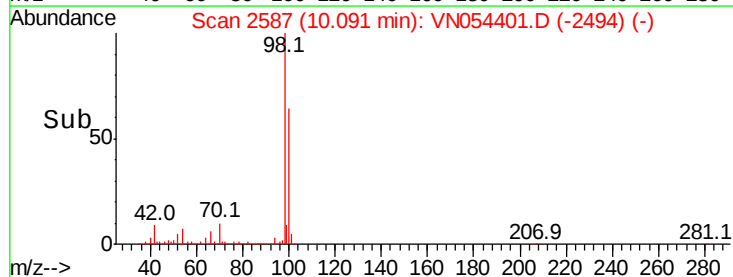
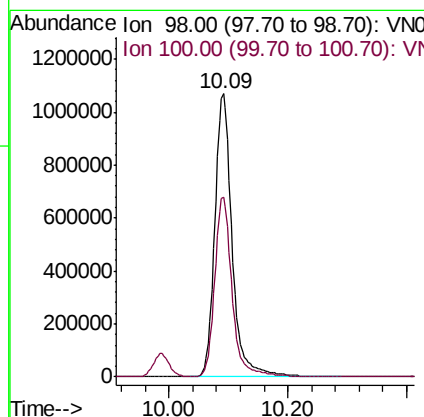
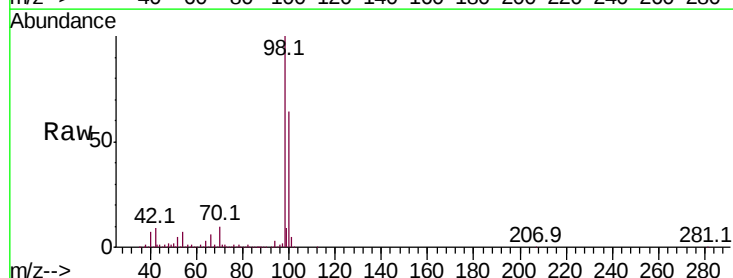
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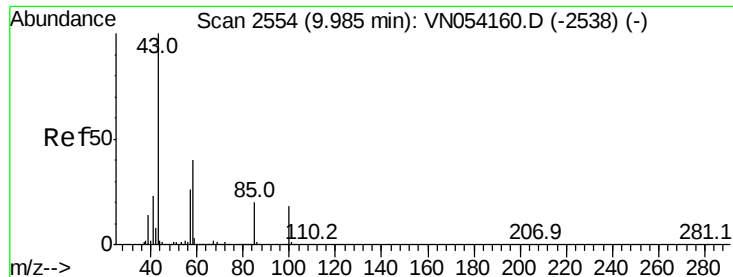
MMDadoda
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#50
Toluene-d8
Concen: 49.034 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 103.919 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 43 Resp: 944079

Ion Ratio Lower Upper

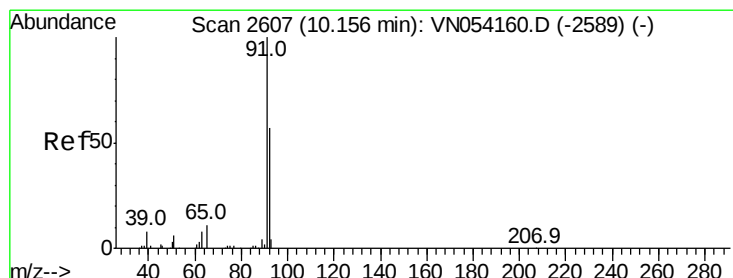
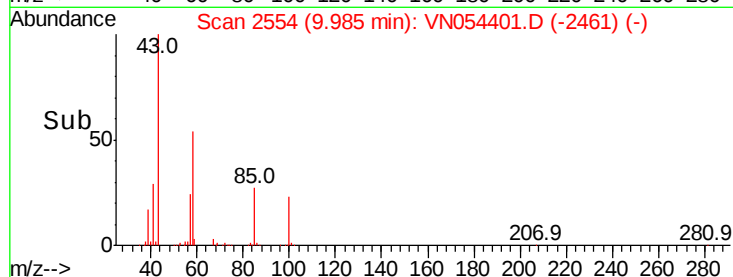
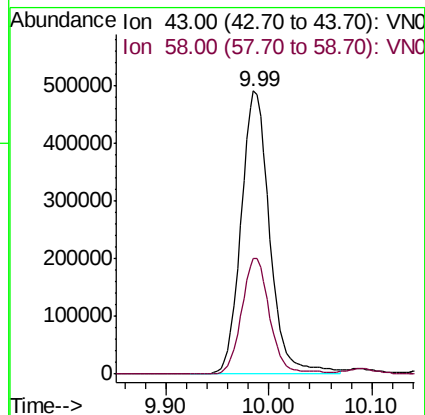
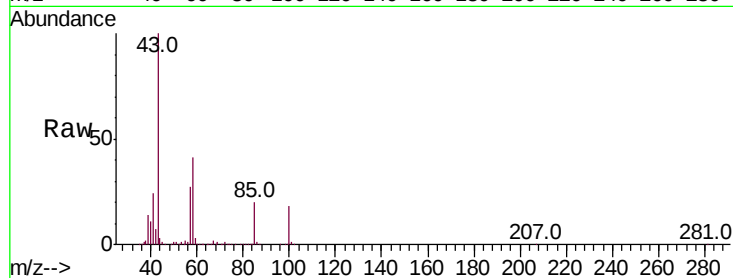
43 100

58 40.4 31.8 47.6

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#52

Toluene

Concen: 20.641 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054401.D

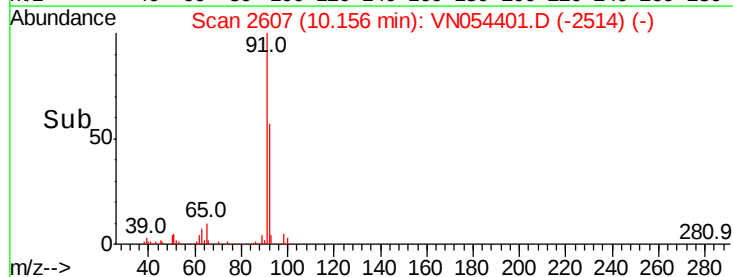
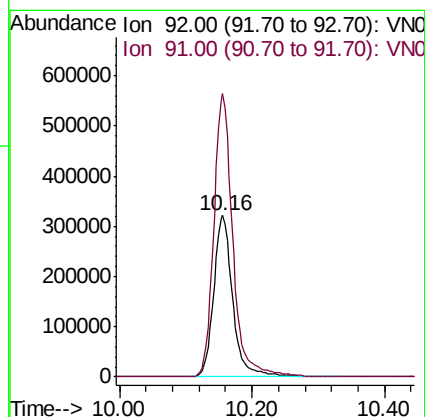
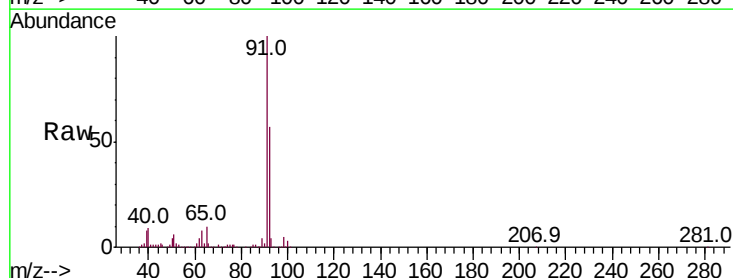
Acq: 18 Mar 2019 18:33

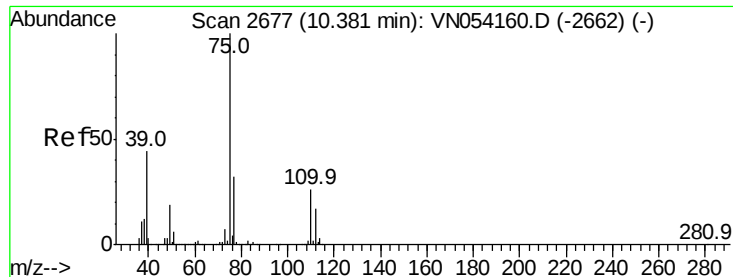
Tgt Ion: 92 Resp: 637480

Ion Ratio Lower Upper

92 100

91 176.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 16.542 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054401.D

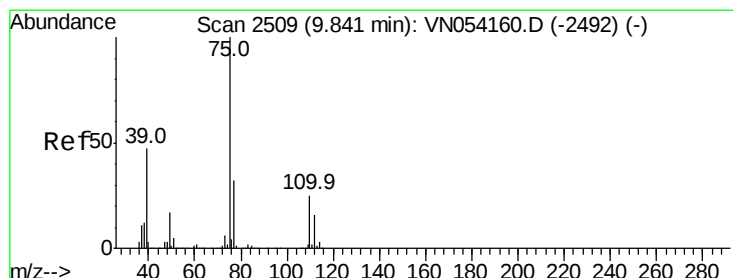
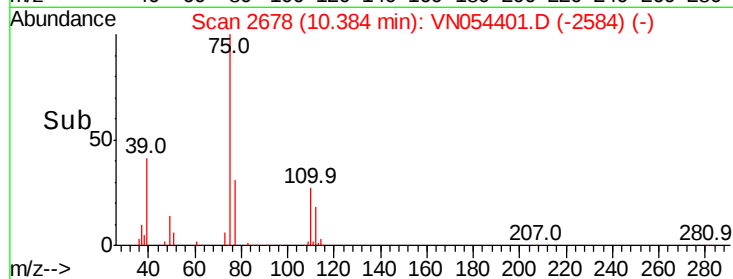
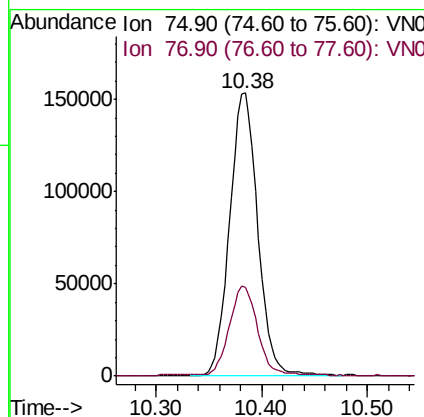
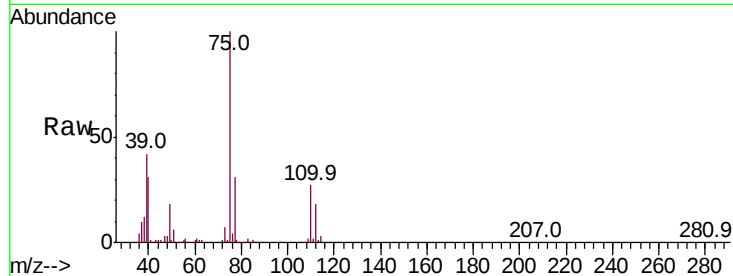
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.8

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#54

cis-1,3-Dichloropropene

Concen: 18.669 ug/l

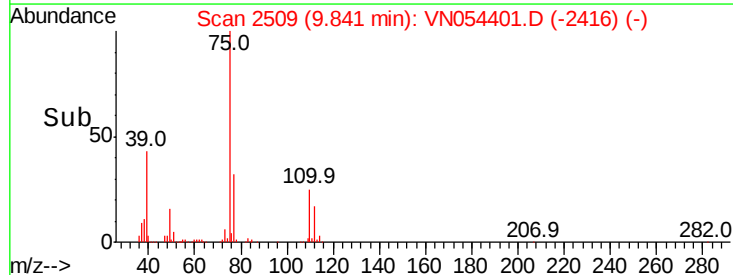
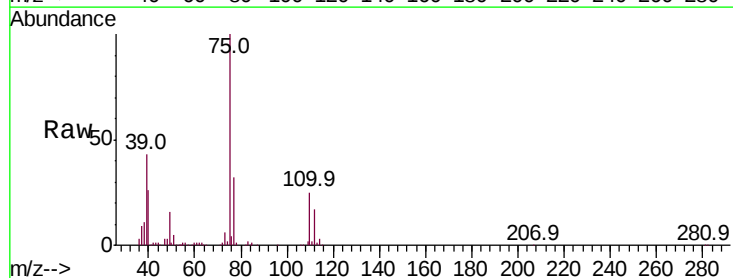
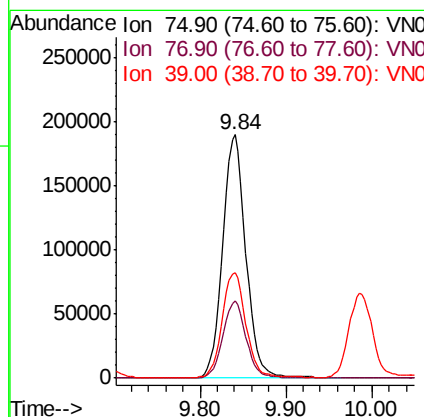
RT: 9.84 min Scan# 2509

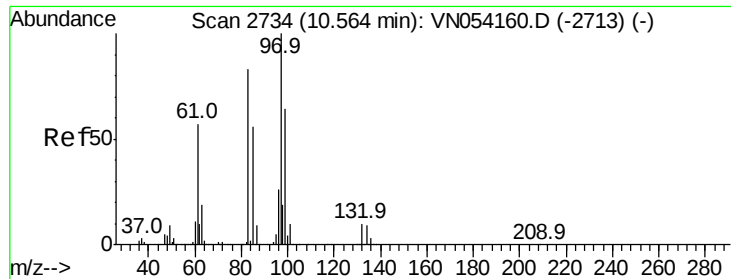
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	43.1	37.2	55.8





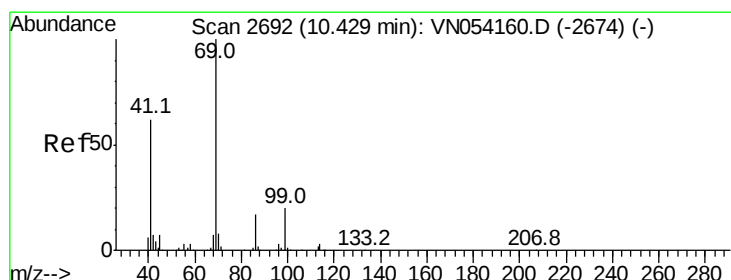
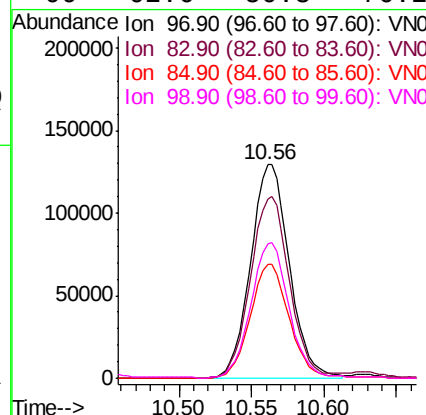
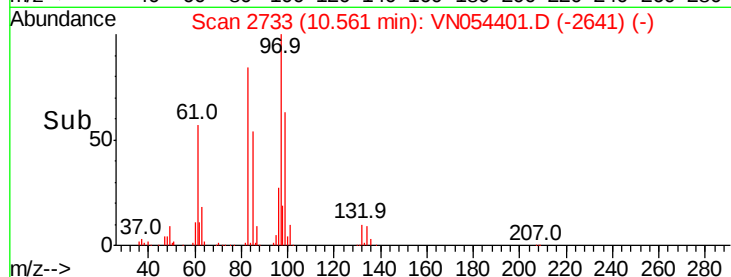
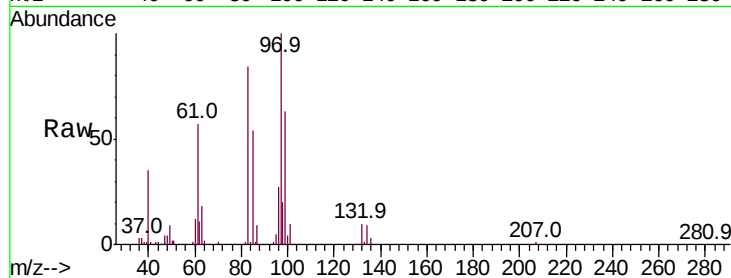
#55
 1,1,2-Trichloroethane
 Concen: 21.330 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.6	100.0
85	53.5	44.4	66.6
99	62.6	50.8	76.2

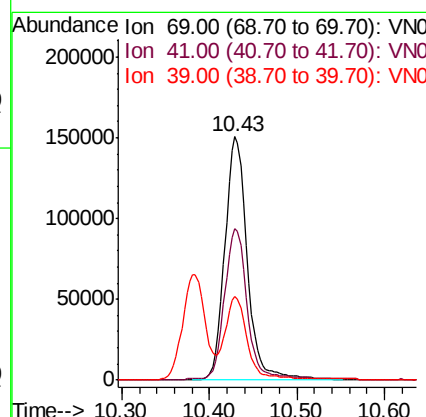
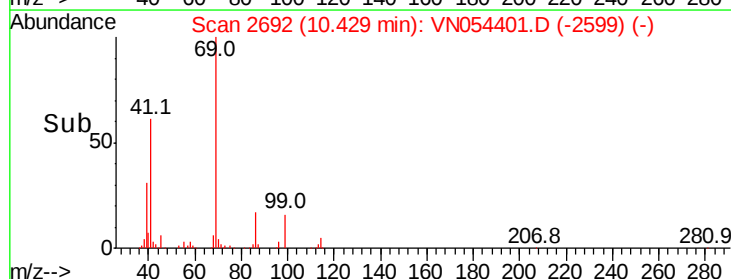
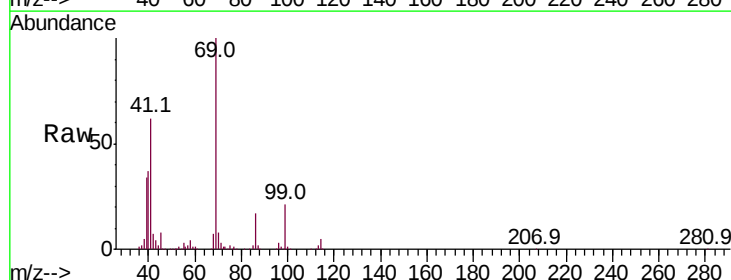
Manual Integrations
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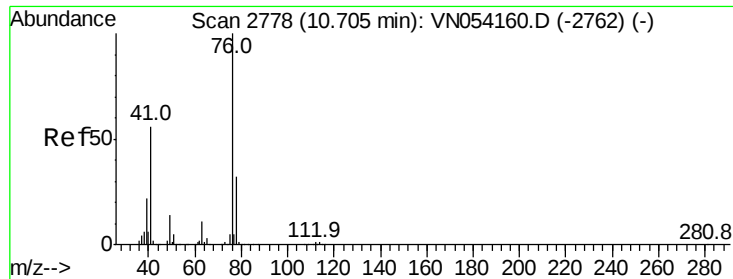
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#56
 Ethyl methacrylate
 Concen: 20.155 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.4	74.2
39	32.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.477 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 76 Resp: 396026

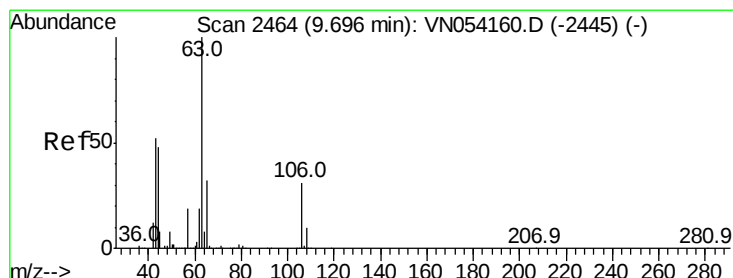
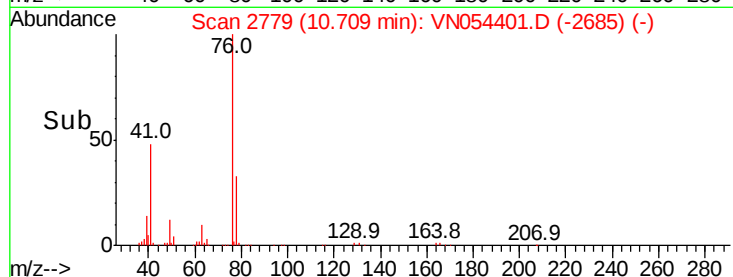
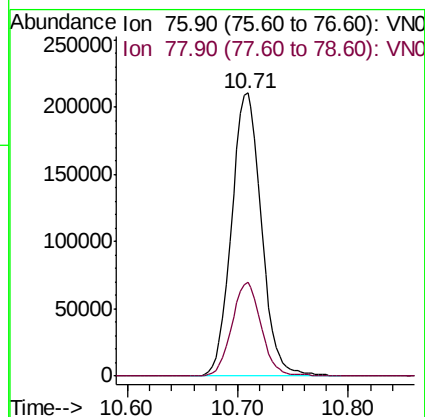
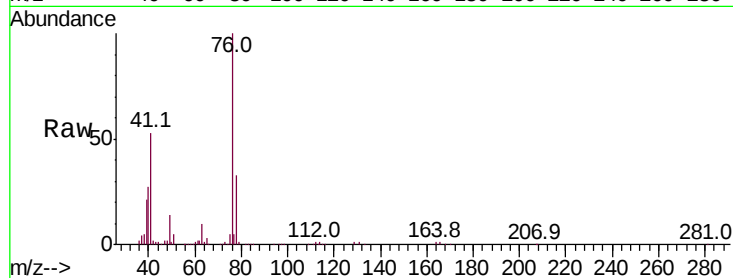
Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 96.317 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054401.D

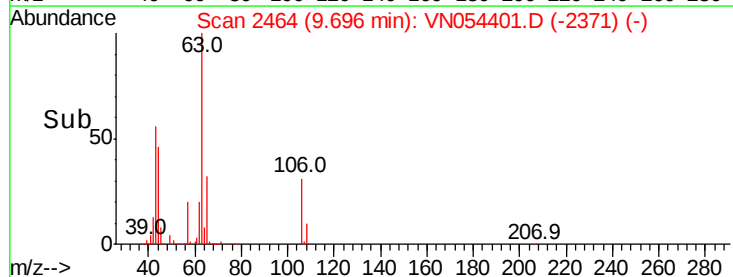
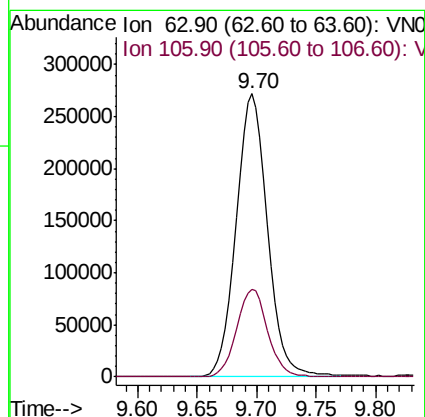
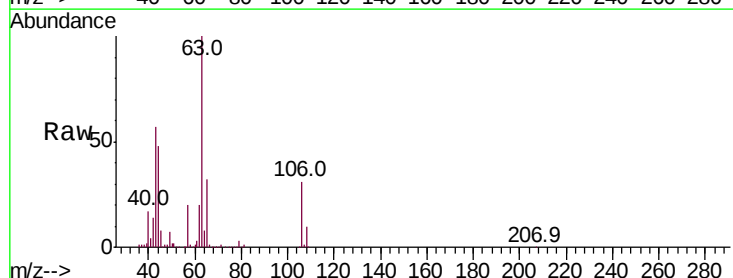
Acq: 18 Mar 2019 18:33

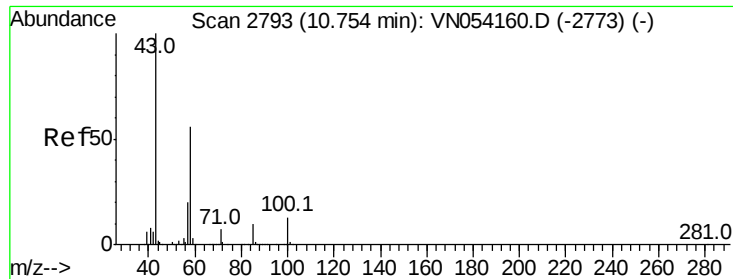
Tgt Ion: 63 Resp: 497168

Ion Ratio Lower Upper

63 100

106 30.6 24.4 36.6





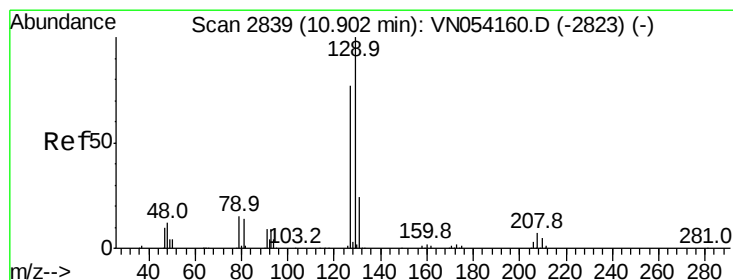
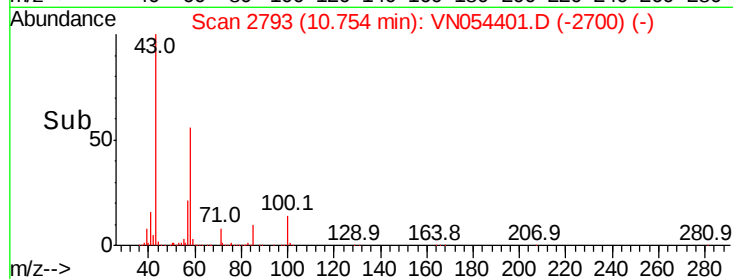
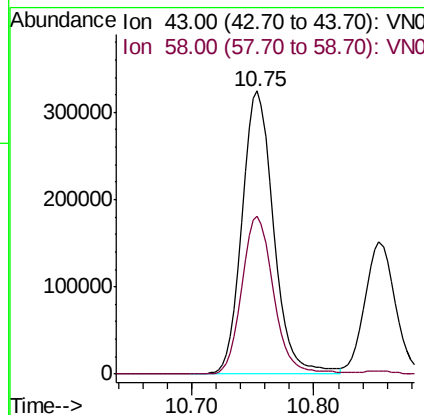
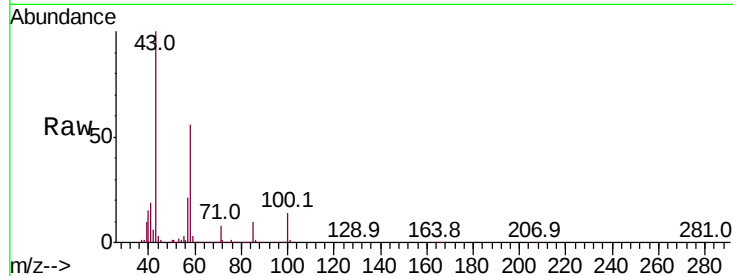
#59
2-Hexanone
Concen: 95.164 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	28.0	83.9

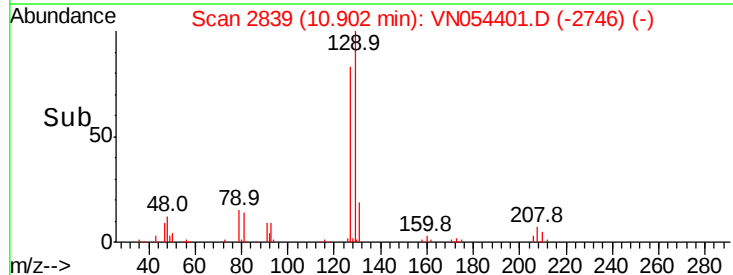
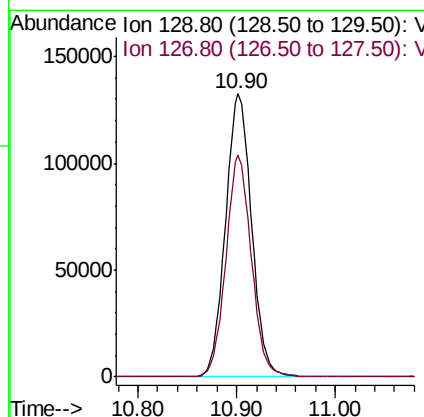
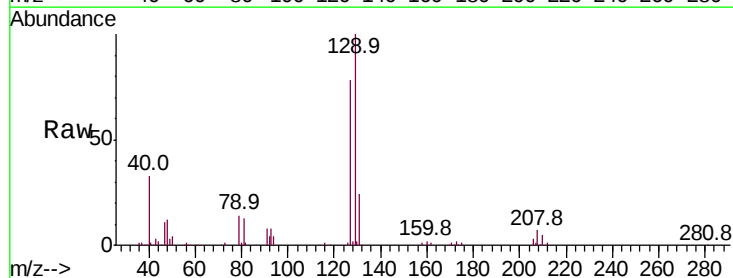
Manual Integrations
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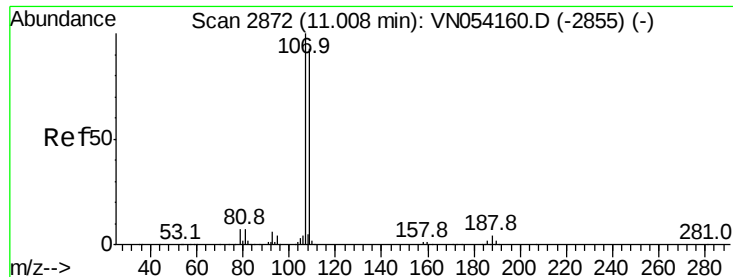
MMDadoda
3/19/2019 9:24:17 AM



#60
Dibromochloromethane
Concen: 19.410 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 21.007 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 107 Resp: 240735

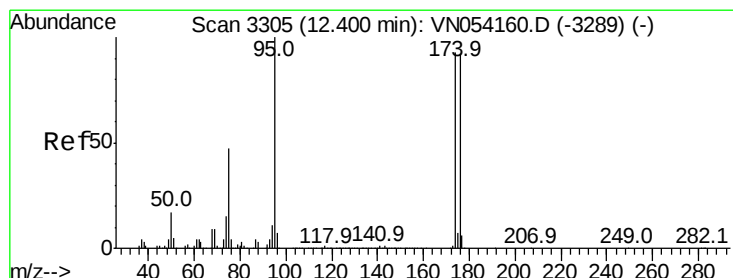
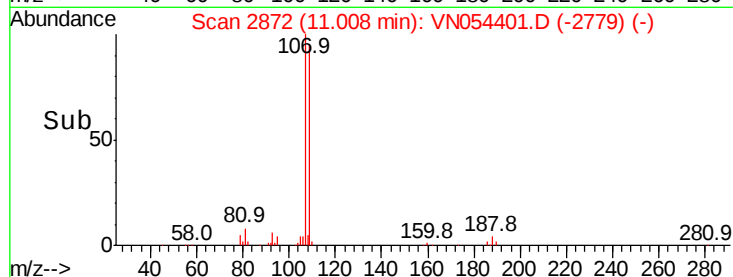
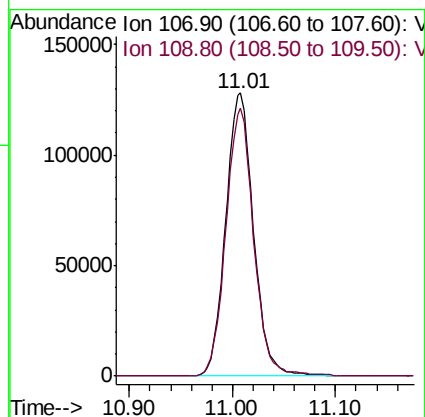
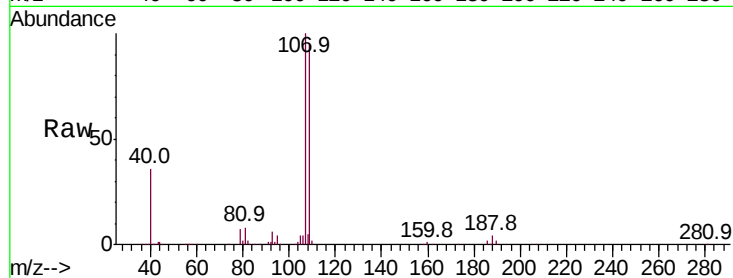
Ion Ratio Lower Upper

107 100

109 94.4 75.9 113.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 45.777 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

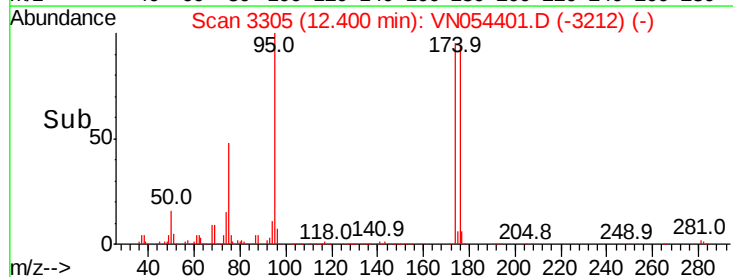
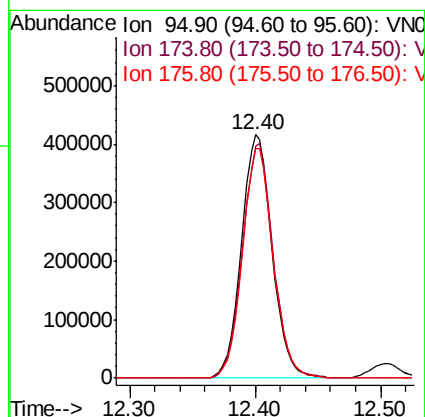
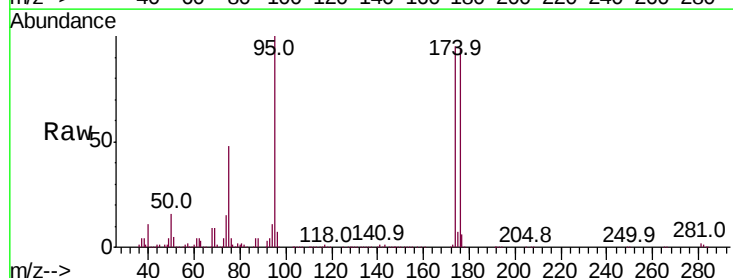
Tgt Ion: 95 Resp: 705163

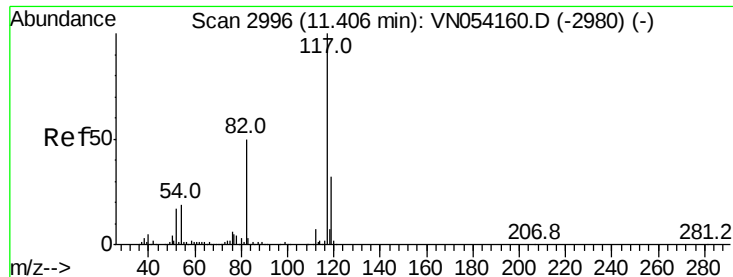
Ion Ratio Lower Upper

95 100

174 97.1 0.0 191.0

176 94.6 0.0 187.4





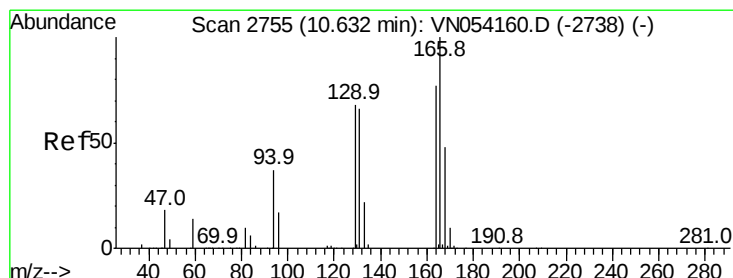
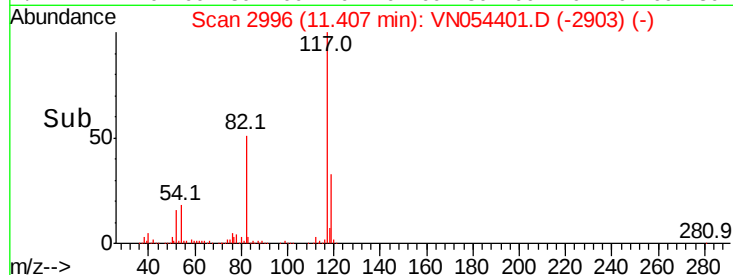
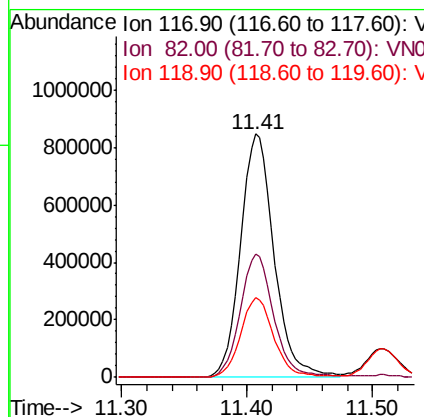
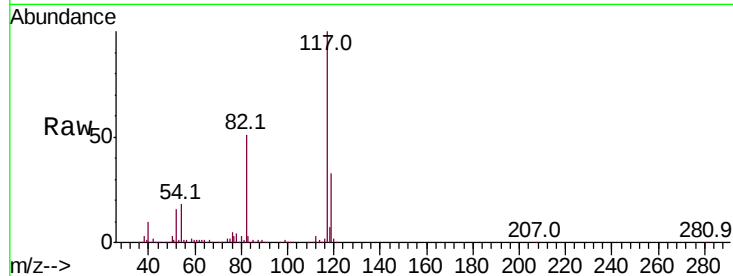
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampled :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.0	60.0
119	32.5	25.8	38.6

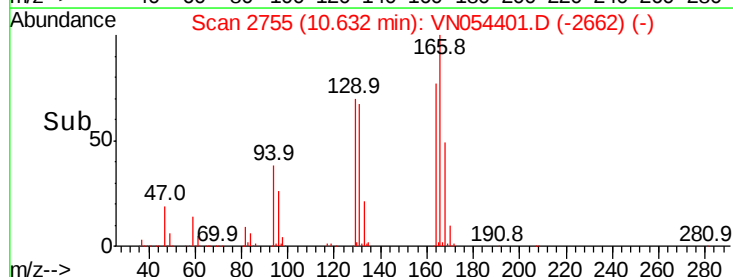
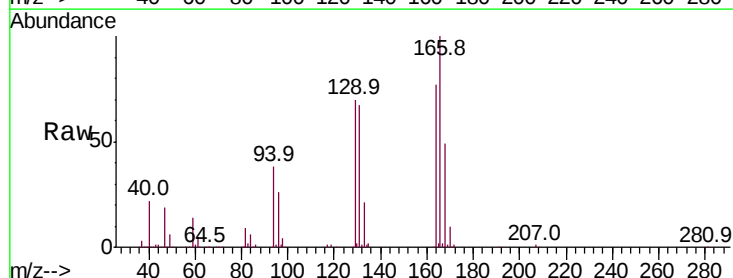
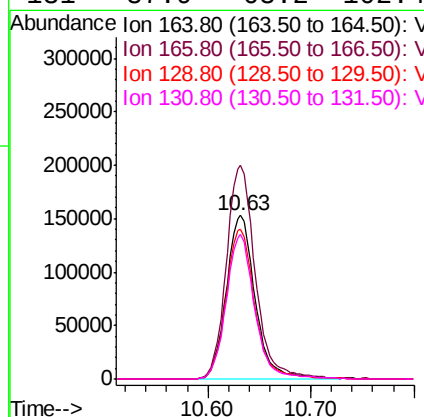
Manual Integrations
APPROVED

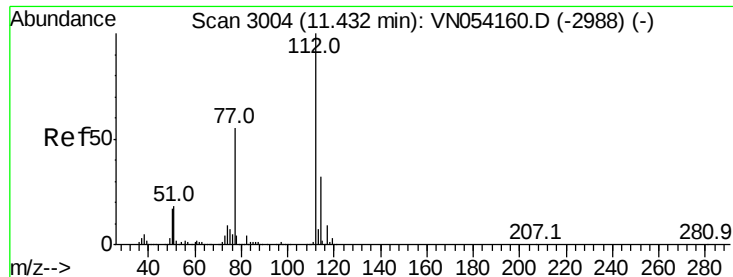
MMDadoda
3/19/2019 9:24:17 AM



#64
Tetrachloroethene
Concen: 19.594 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.9	155.9
129	91.4	71.1	106.7
131	87.9	68.2	102.4





#65

Chlorobenzene

Concen: 21.172 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion:112 Resp: 732770

Ion Ratio Lower Upper

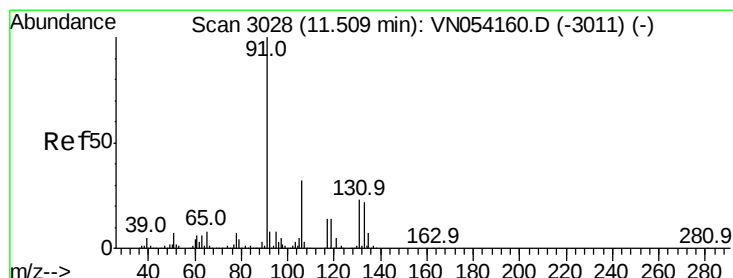
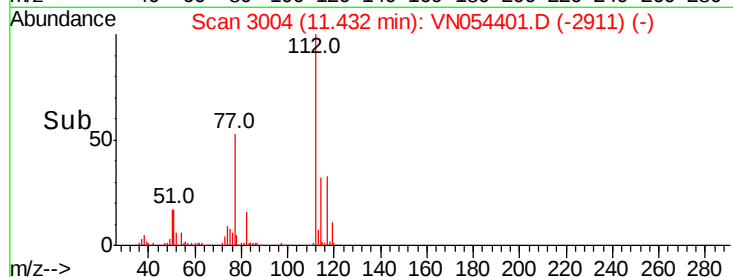
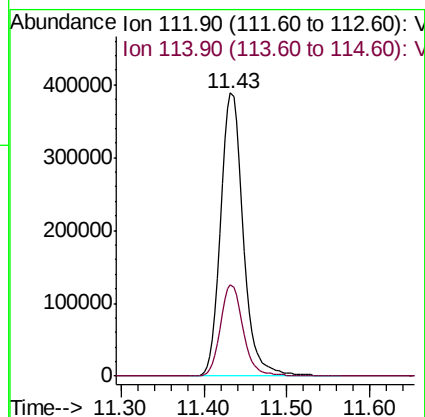
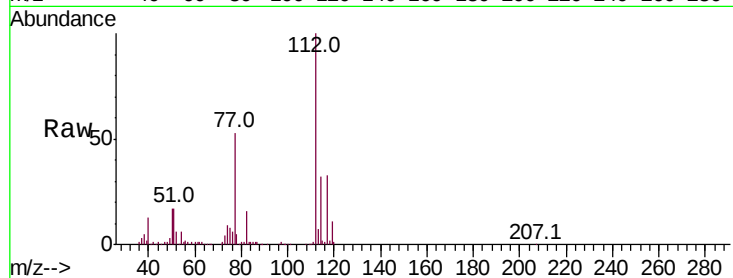
112 100

114 32.4 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.961 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

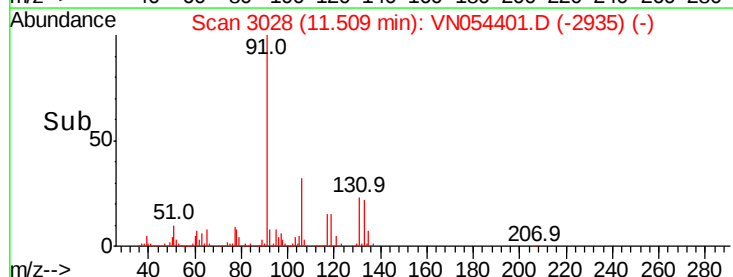
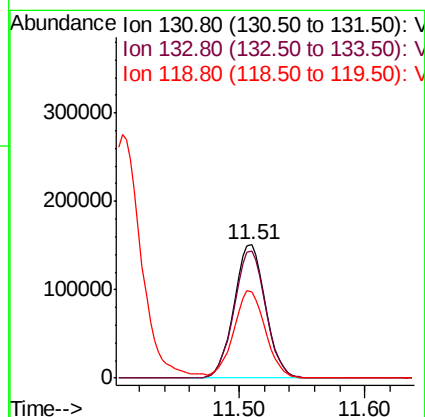
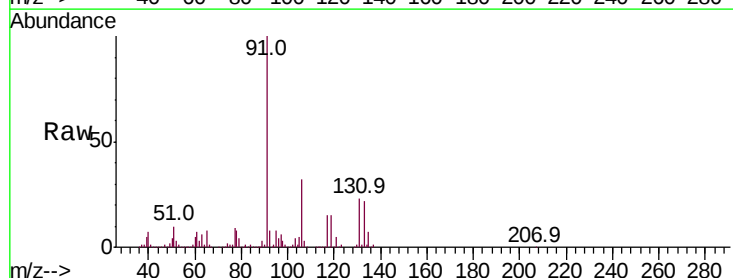
Tgt Ion:131 Resp: 263534

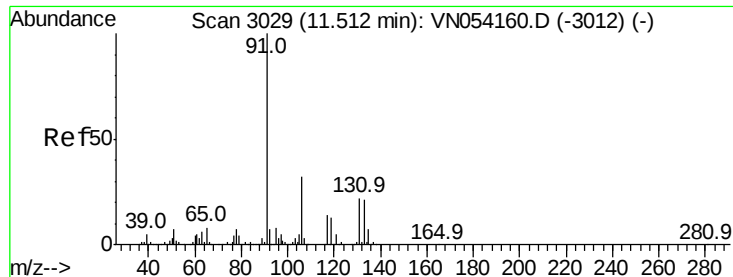
Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

119 65.8 32.4 97.0





#67

Ethyl Benzene

Concen: 20.577 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampled :

VN0318MBS01

Tot Ion: 91 Resp: 1180533

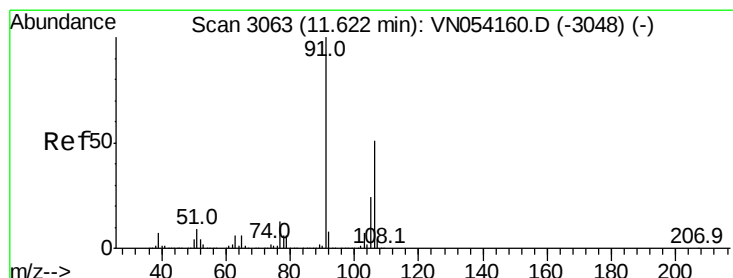
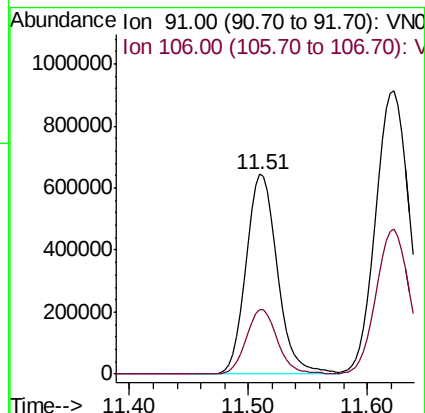
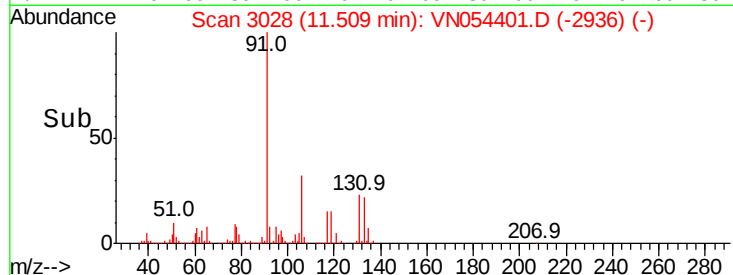
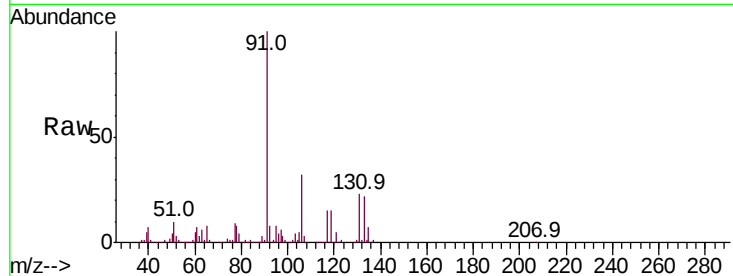
Ion Ratio Lower Upper

91 100

106 32.4 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.724 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054401.D

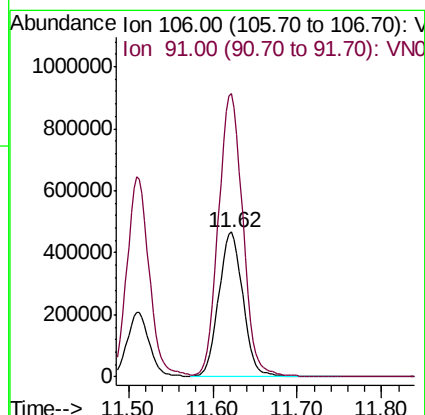
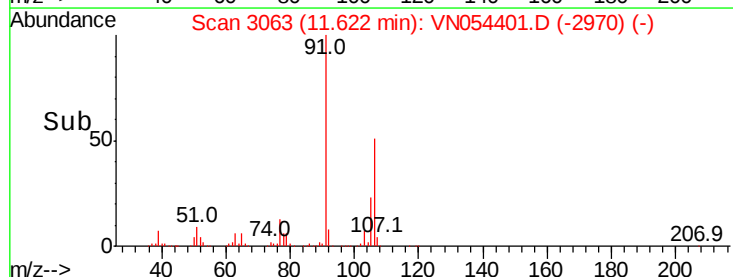
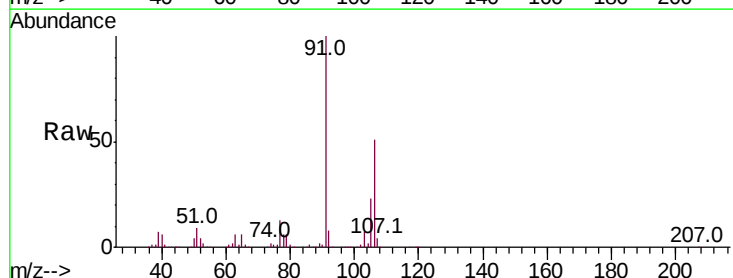
Acq: 18 Mar 2019 18:33

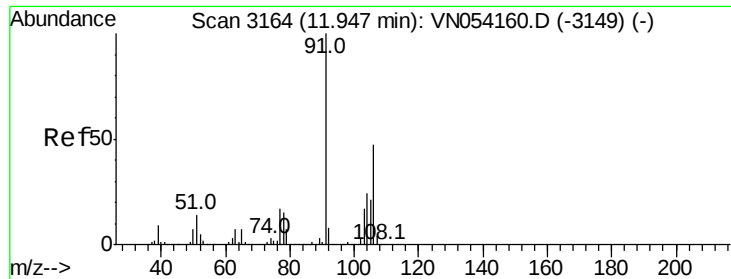
Tgt Ion: 106 Resp: 935594

Ion Ratio Lower Upper

106 100

91 196.9 159.4 239.2





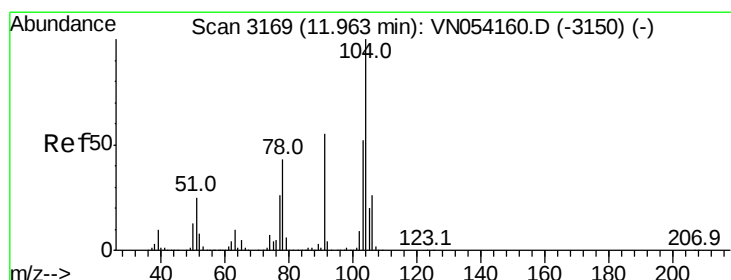
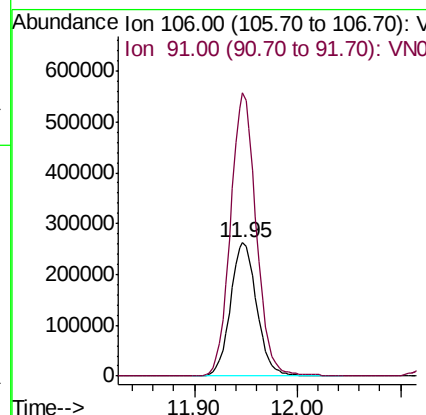
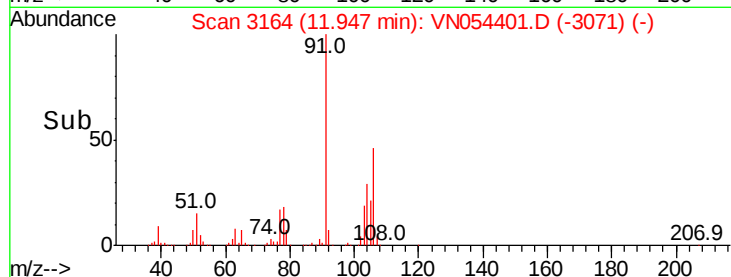
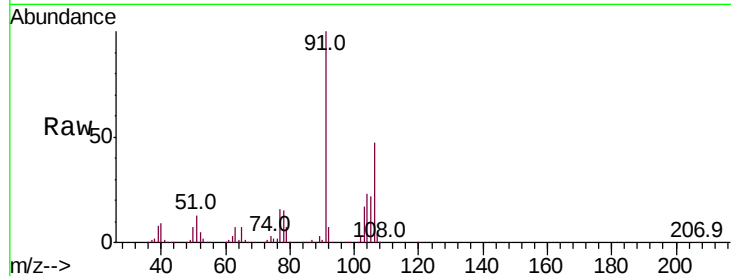
#69
o-Xylene
Concen: 21.317 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion:106 Resp: 465965
Ion Ratio Lower Upper
106 100
91 208.0 105.7 317.1

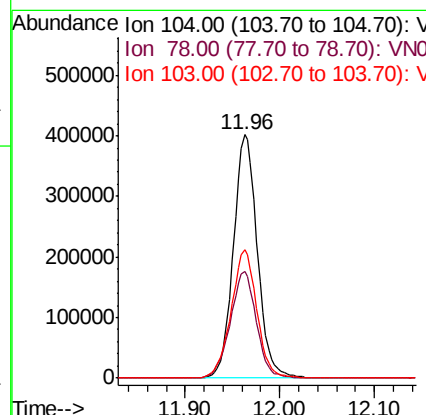
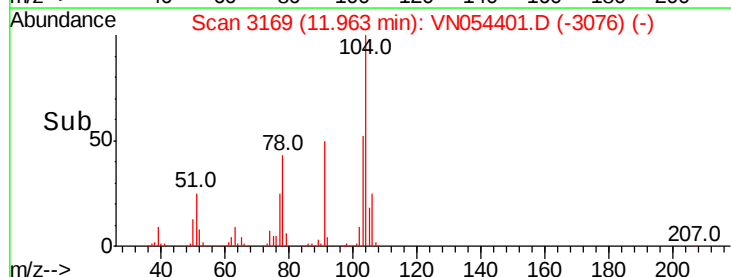
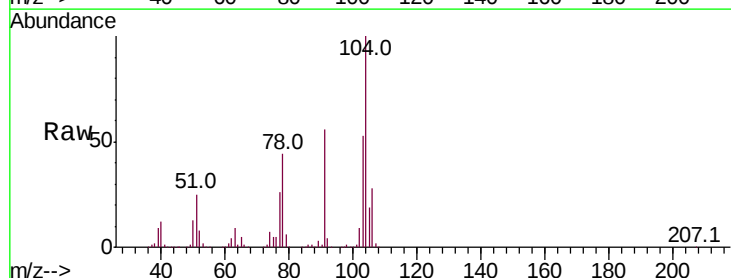
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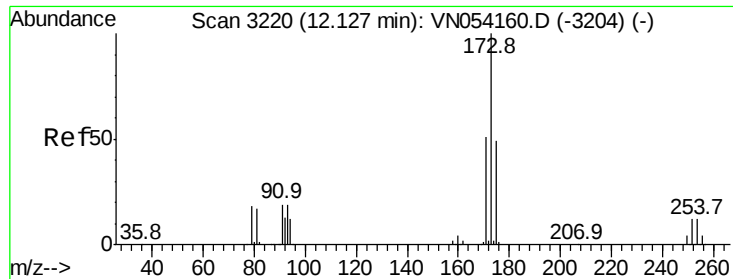
MMDadoda
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#70
Styrene
Concen: 20.644 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion:104 Resp: 707715
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 56.8 44.4 66.6





#71

Bromoform

Concen: 17.514 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion:173 Resp: 152501

Ion Ratio Lower Upper

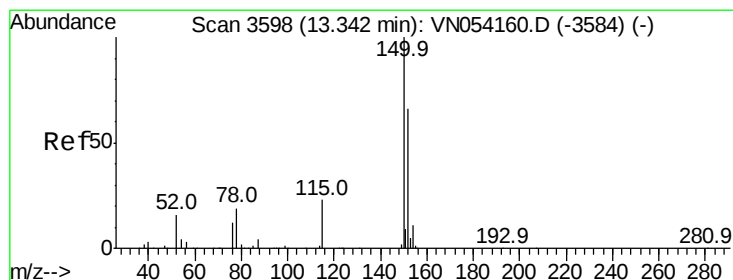
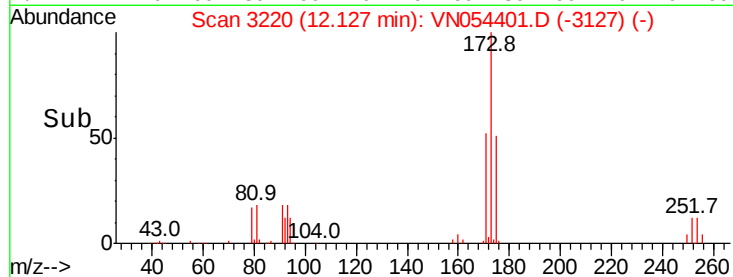
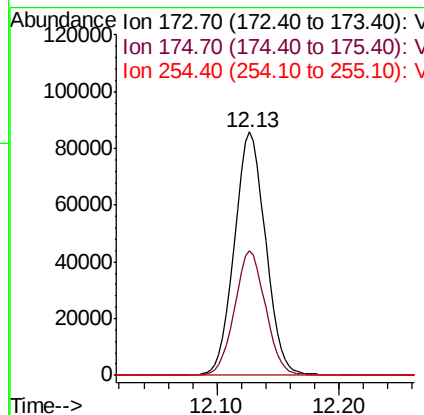
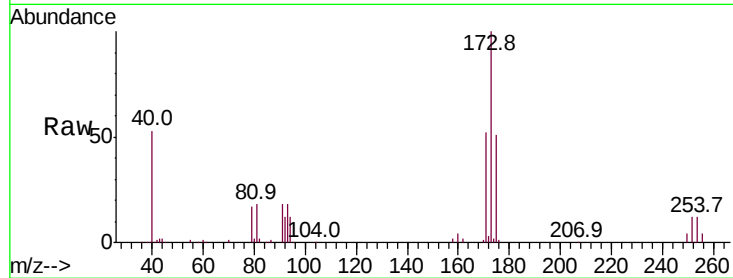
173 100

175 50.5 24.4 73.2

254 0.1 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: VN054401.D

Acq: 18 Mar 2019 18:33

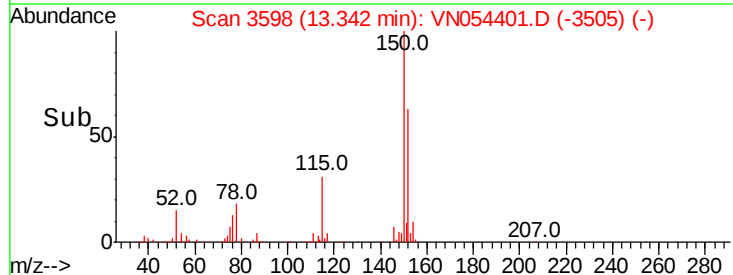
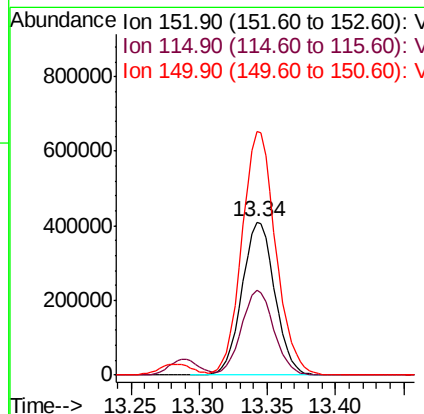
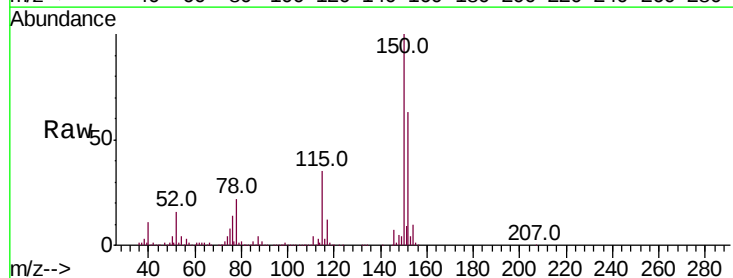
Tgt Ion:152 Resp: 683273

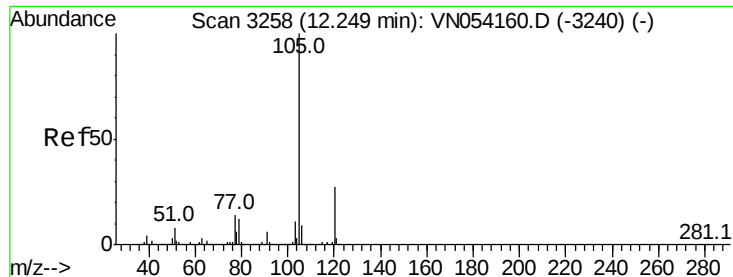
Ion Ratio Lower Upper

152 100

115 55.2 27.2 81.6

150 164.2 0.0 349.2





#73

Isopropylbenzene

Concen: 21.917 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion:105 Resp: 1198091

Ion Ratio Lower Upper

105 100

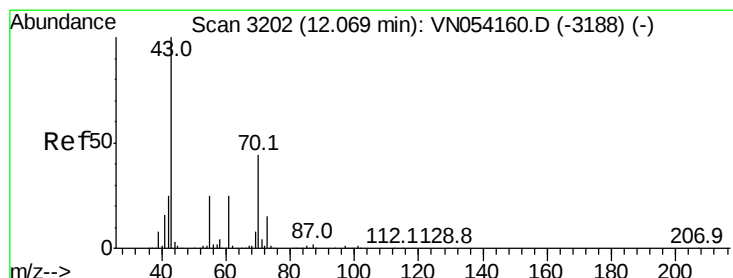
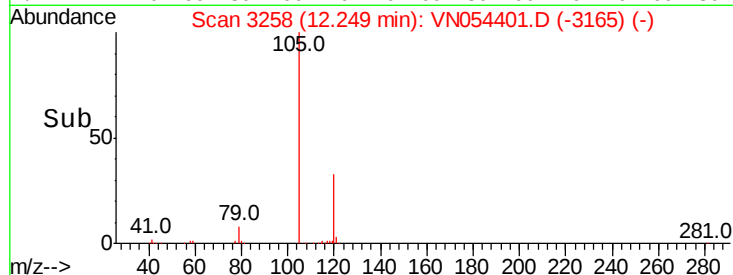
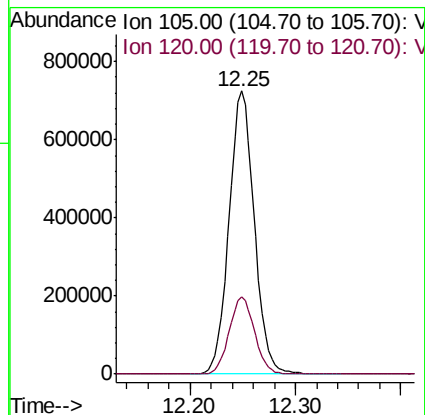
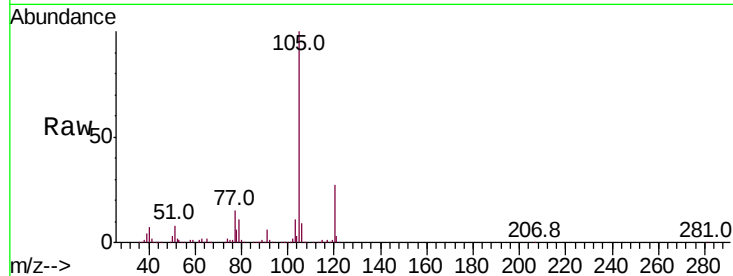
120 27.5 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.106 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion: 43 Resp: 243971

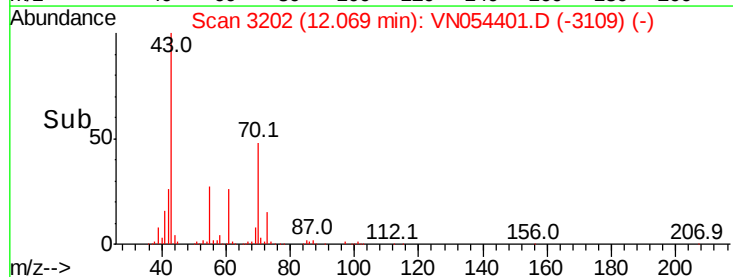
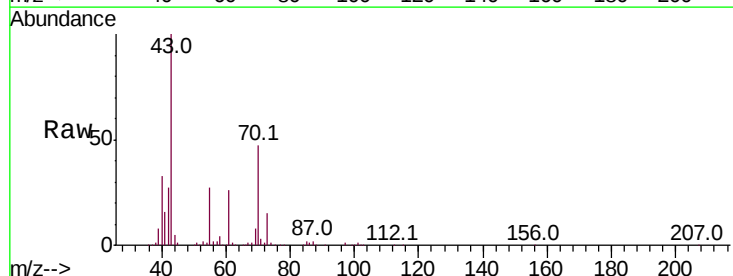
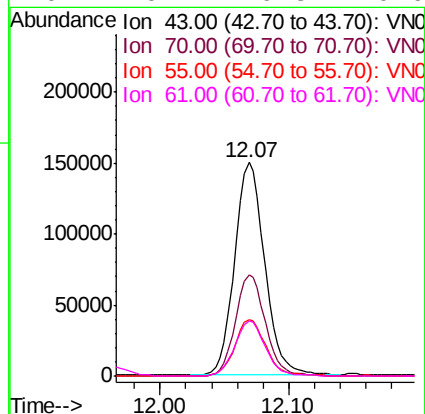
Ion Ratio Lower Upper

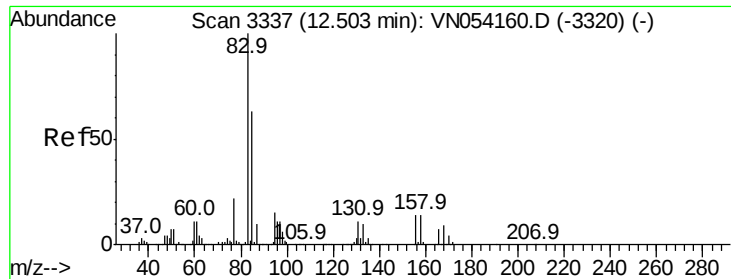
43 100

70 47.4 35.4 53.0

55 27.4 19.8 29.6

61 26.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 24.167 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 83 Resp: 281469

Ion Ratio Lower Upper

83 100

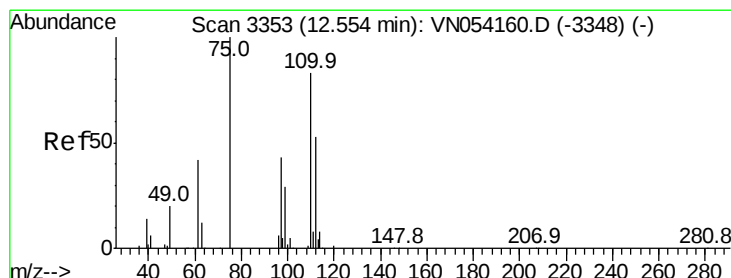
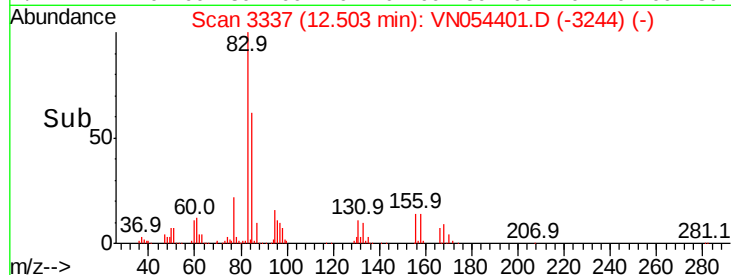
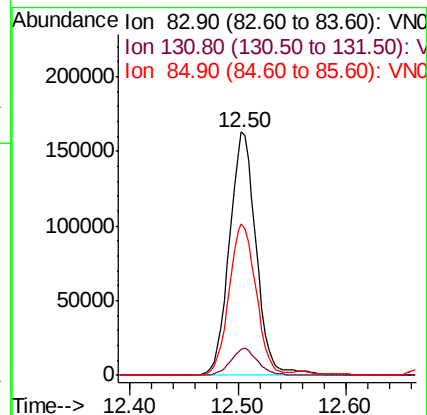
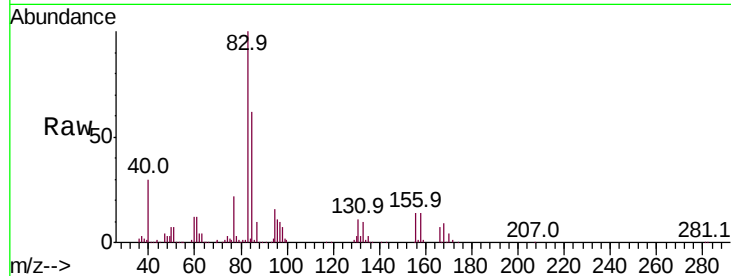
131 11.2 5.8 17.4

85 62.7 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 23.376 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054401.D

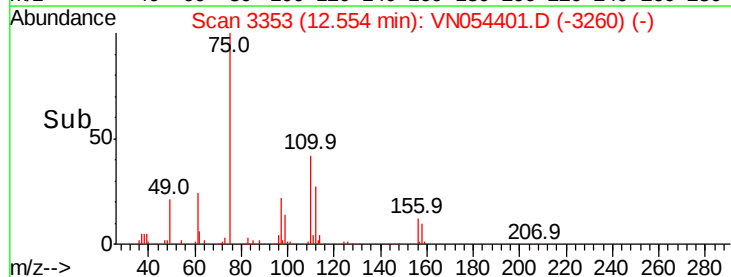
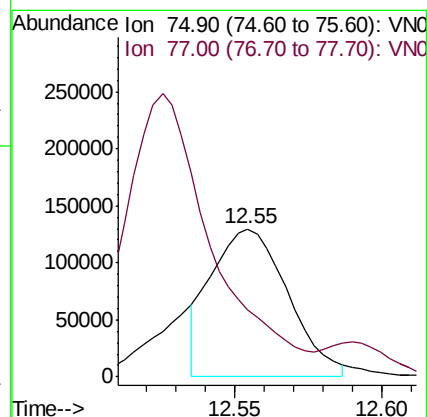
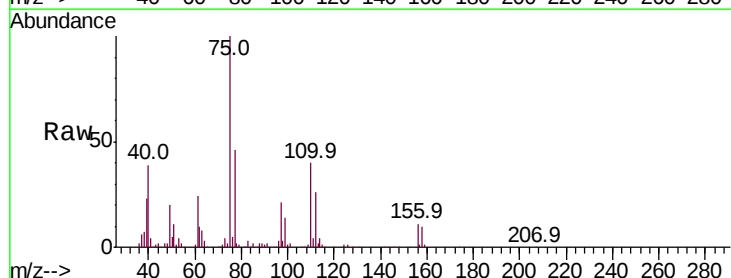
Acq: 18 Mar 2019 18:33

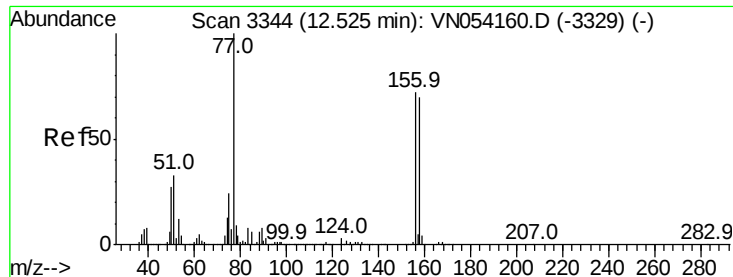
Tgt Ion: 75 Resp: 234876

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.891 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

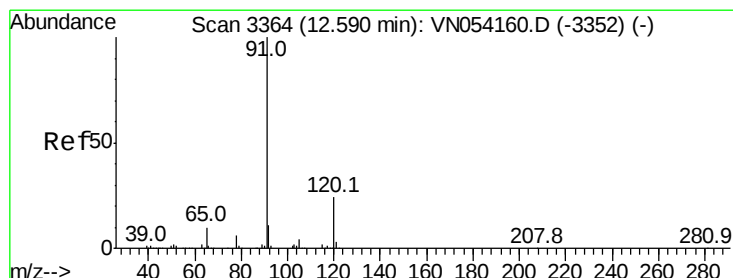
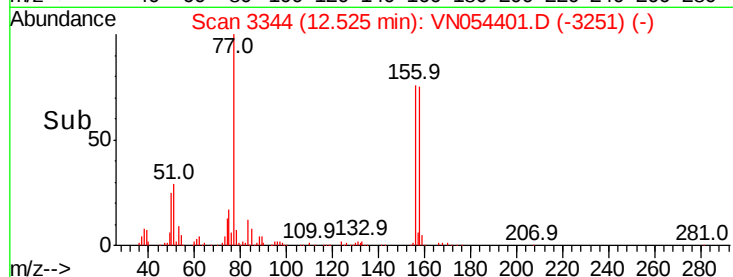
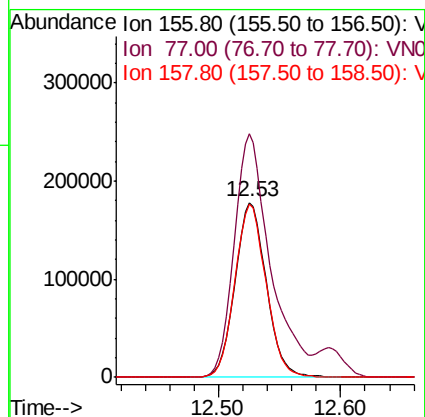
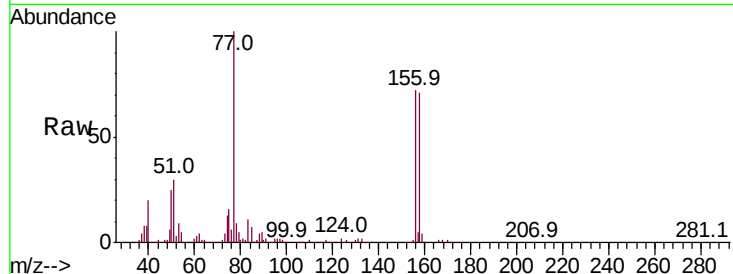
ClientSampleId :

VN0318MBS01

Tot Ion:	156	Resp:	316667
Ion Ratio	Lower	Upper	
156	100		
77	162.4	81.5	244.4
158	98.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 21.015 ug/l

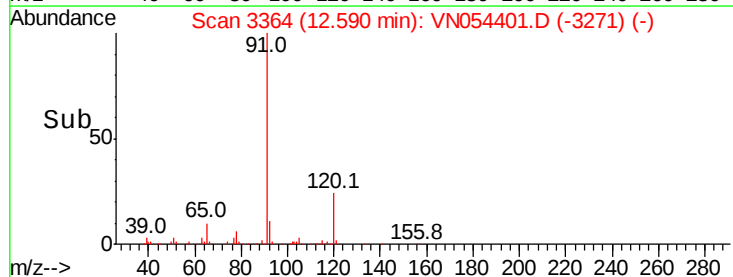
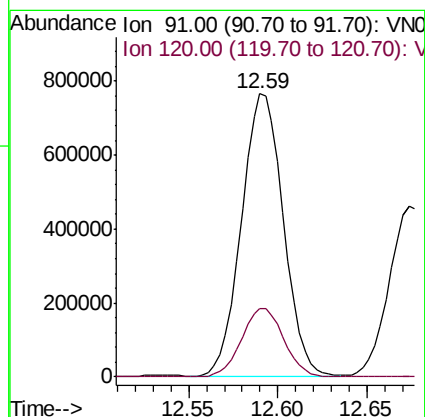
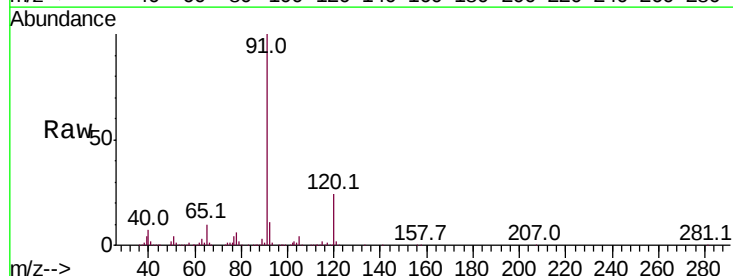
RT: 12.59 min Scan# 3364

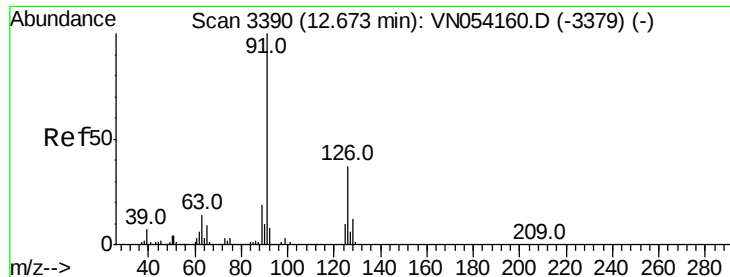
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	91	Resp:	1246532
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.3	36.9





#79

2-Chlorotoluene

Concen: 22.012 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion: 91 Resp: 785055

Ion Ratio Lower Upper

91 100

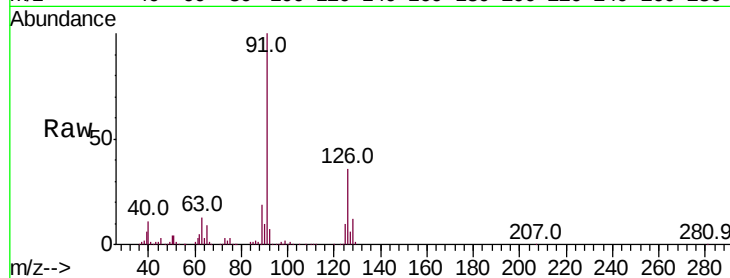
126 37.2 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054401.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054401.D (-3379) (-)

600000

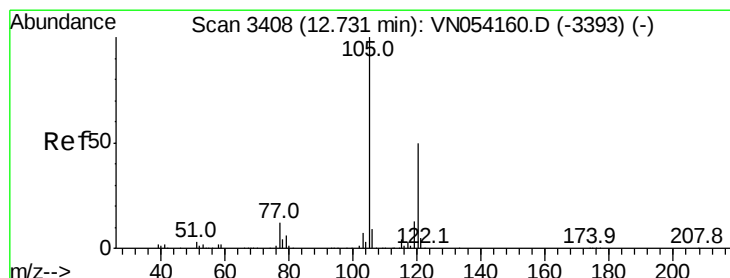
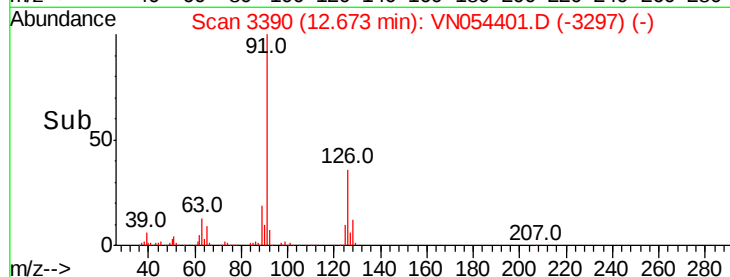
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.813 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054401.D

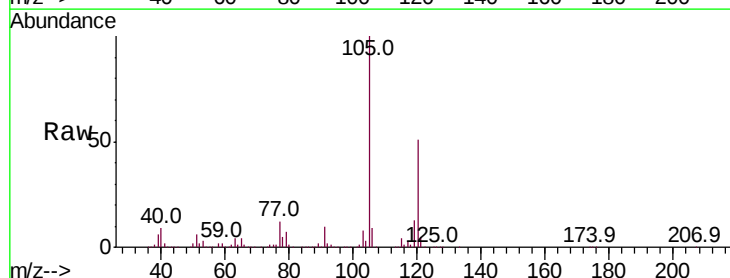
Acq: 18 Mar 2019 18:33

Tgt Ion: 105 Resp: 946380

Ion Ratio Lower Upper

105 100

120 51.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054401.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054401.D (-3315) (-)

600000

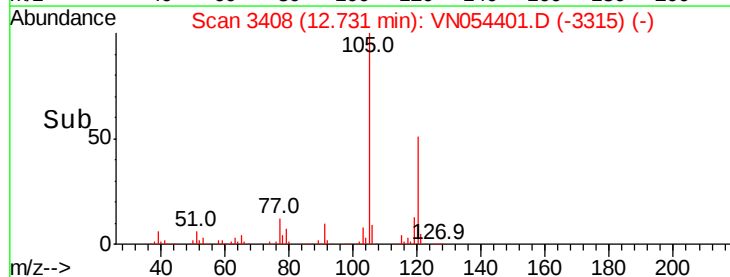
400000

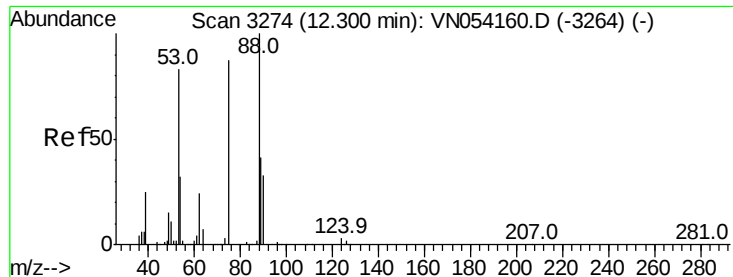
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 13.098 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

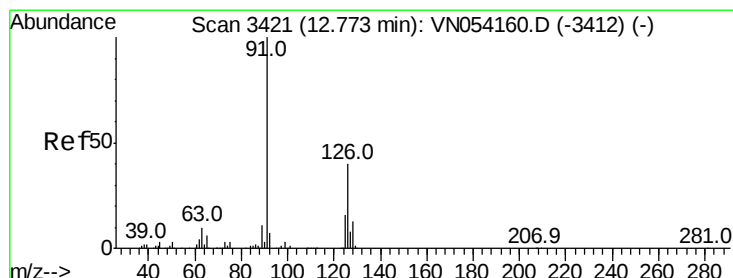
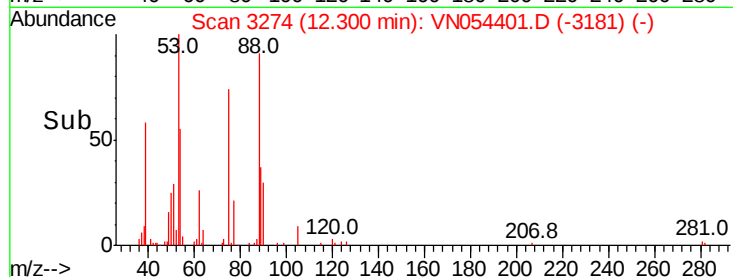
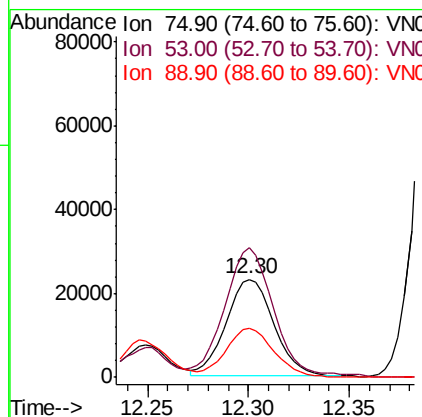
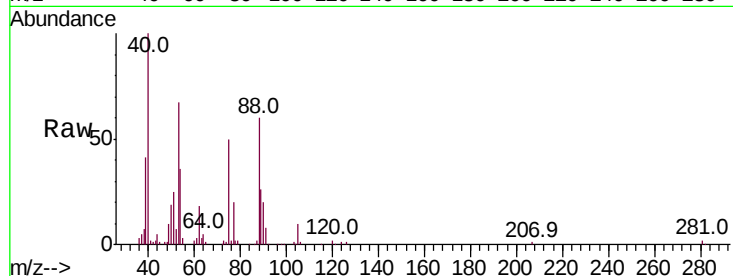
ClientSampleId :

VN0318MBS01

Tot Ion:	75	Resp:	38500
Ion	Ratio	Lower	Upper
75	100		
53	136.6	76.2	114.2#
89	51.2	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.319 ug/l

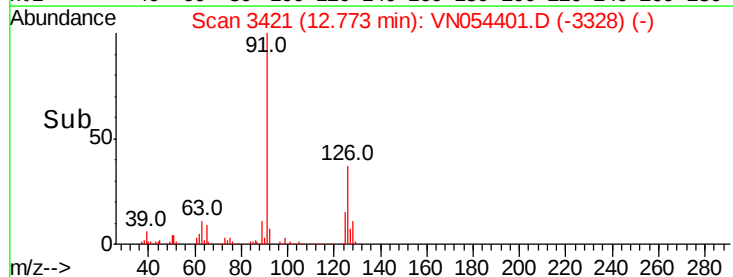
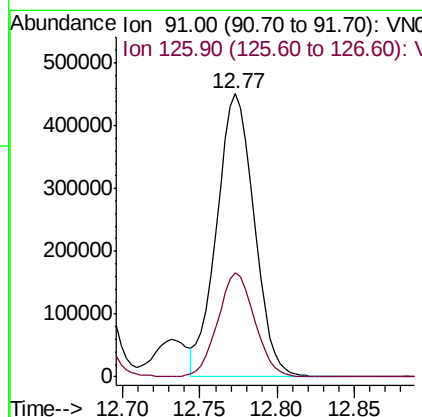
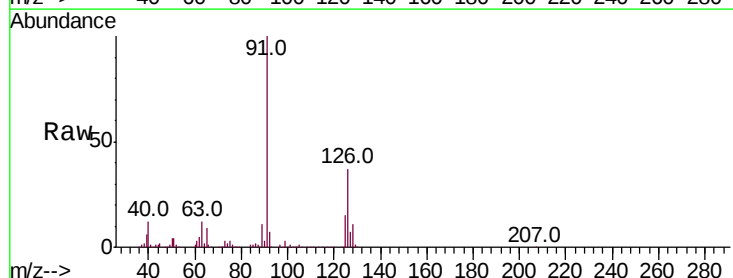
RT: 12.77 min Scan# 3421

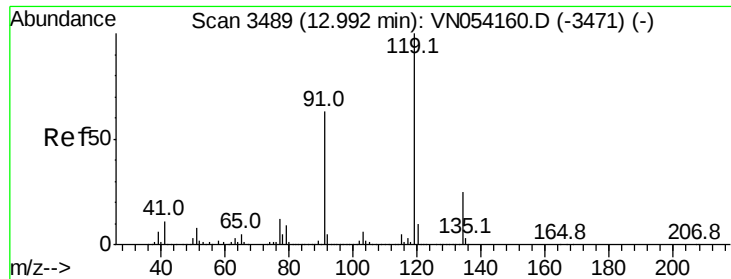
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	91	Resp:	759231
Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.1	54.1





#83

tert-Butylbenzene

Concen: 20.873 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

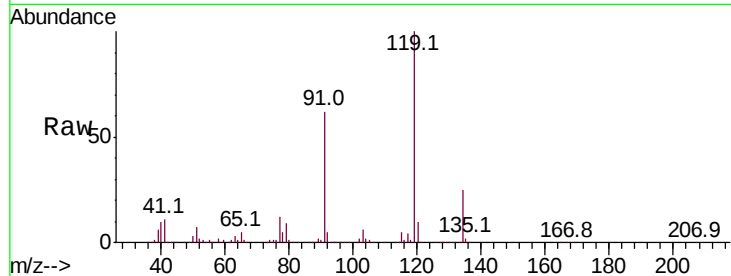
ClientSampleId :

VN0318MBS01

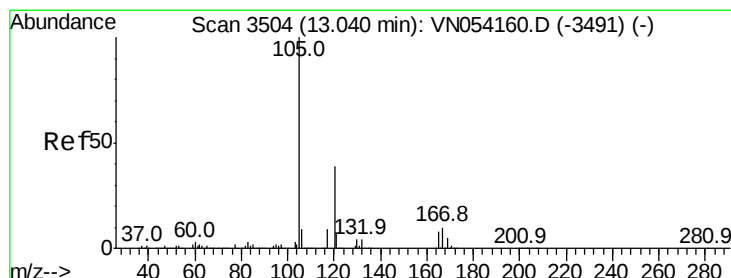
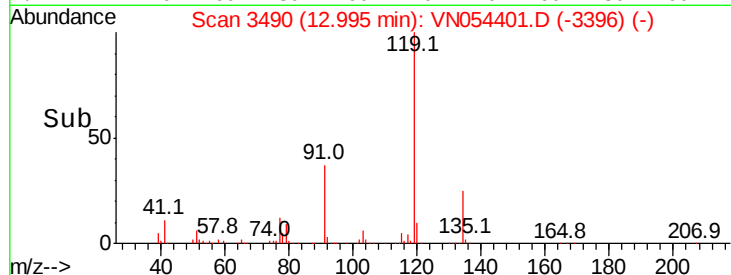
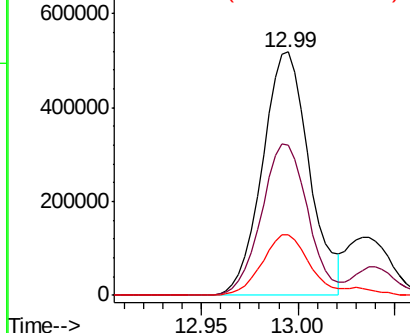
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.9	92.8
134	25.0	13.2	39.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.697 ug/l

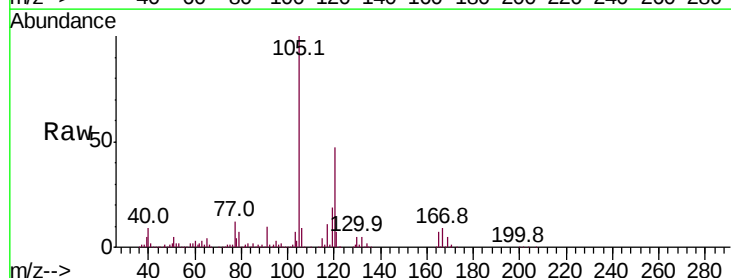
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

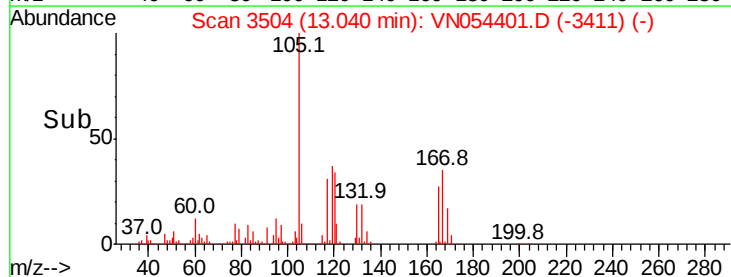
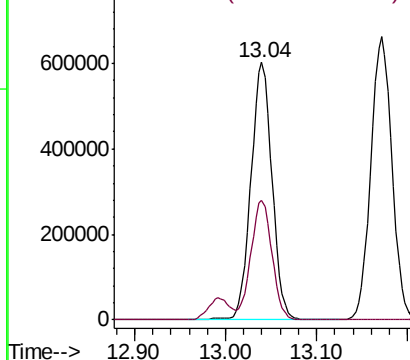
Lab File: VN054401.D

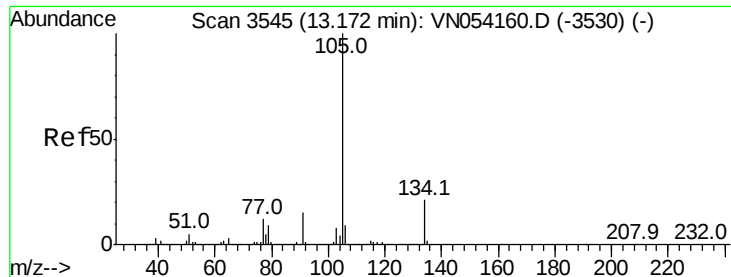
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.665 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

Tot Ion:105 Resp: 1067384

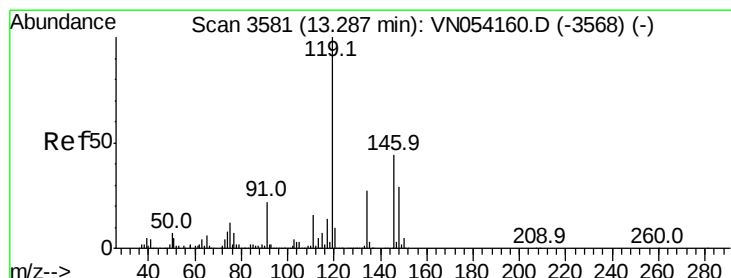
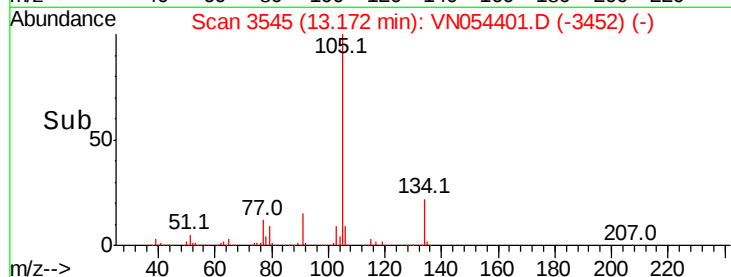
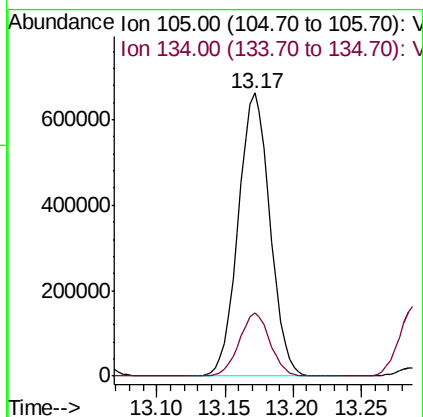
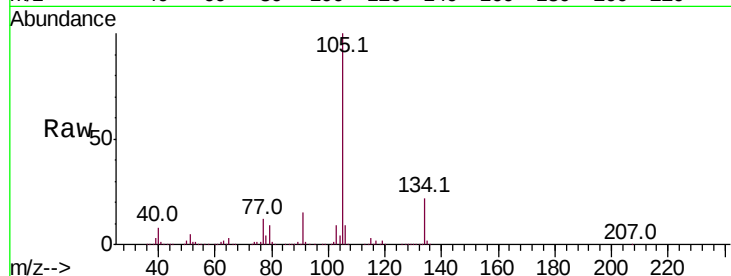
Ion Ratio Lower Upper

105 100

134 21.6 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.339 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

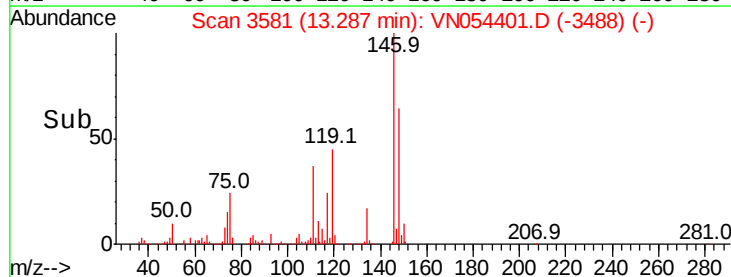
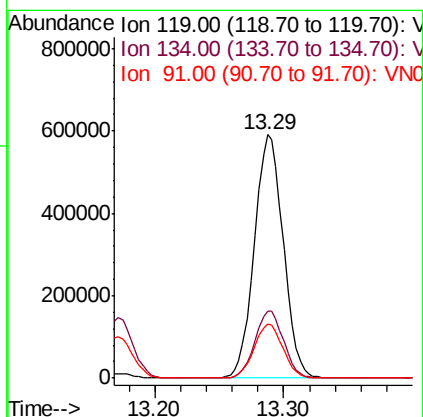
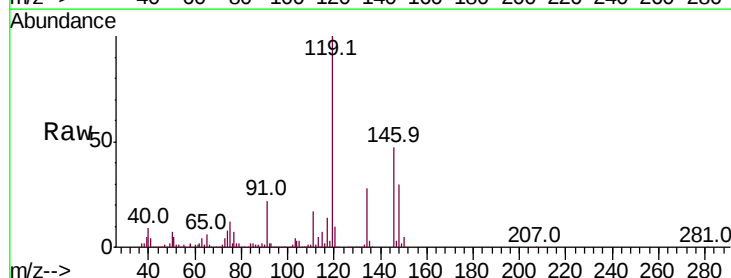
Tgt Ion:119 Resp: 920889

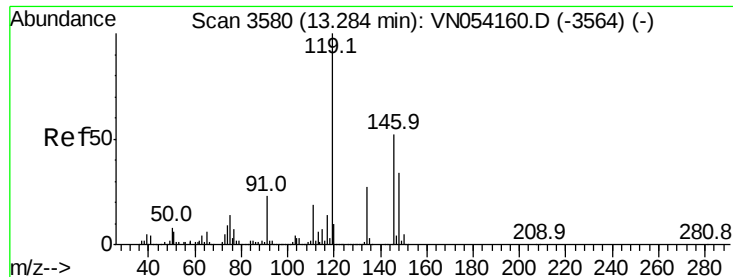
Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

91 22.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 21.052 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

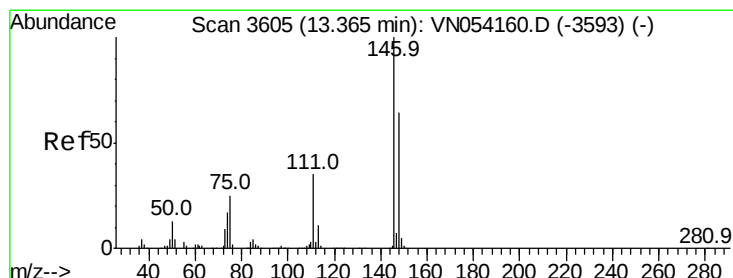
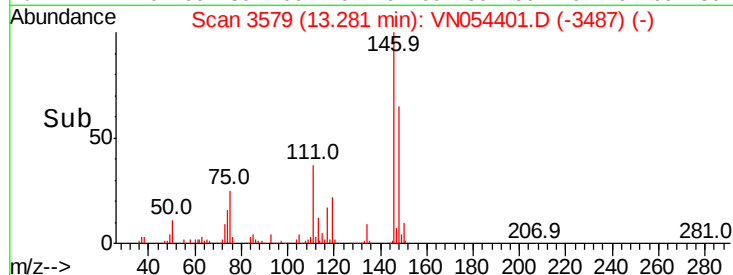
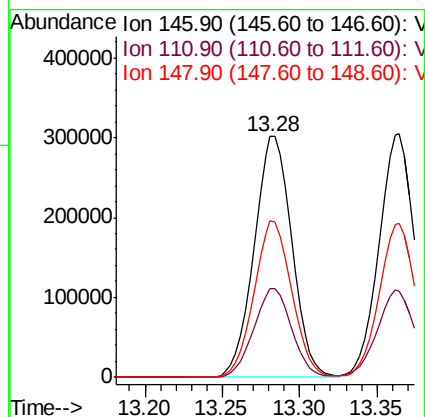
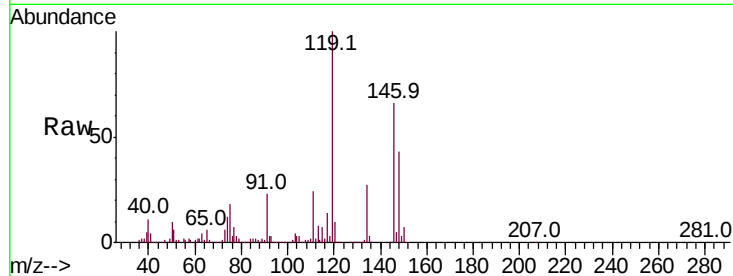
ClientSampleId :

VN0318MBS01

Tot Ion:	146	Resp:	513130
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.8	56.3
148	64.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.749 ug/l

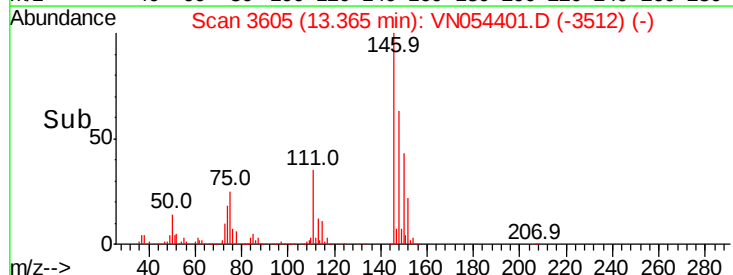
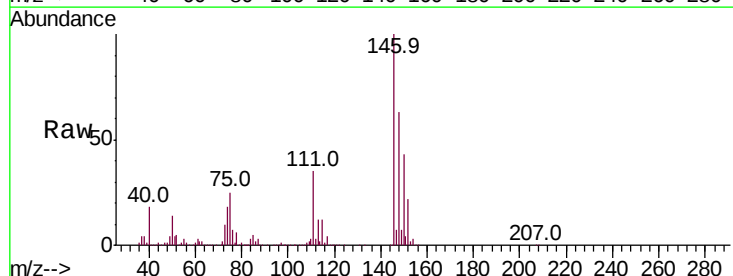
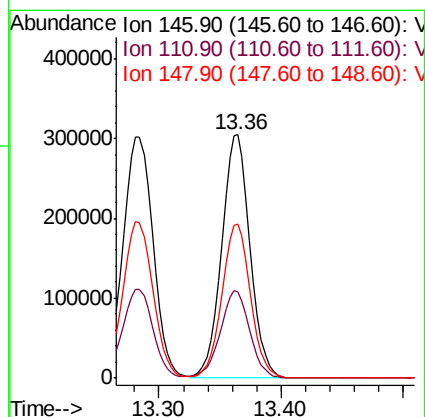
RT: 13.36 min Scan# 3605

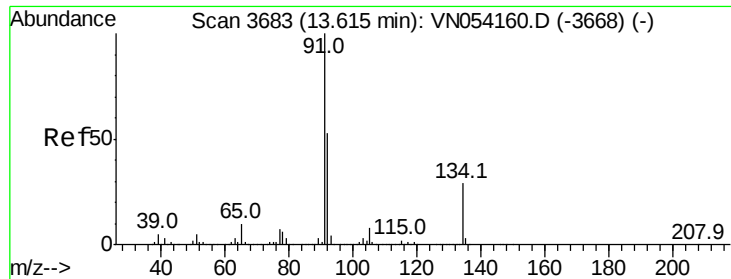
Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	146	Resp:	496832
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.1	54.1
148	63.8	32.0	96.0





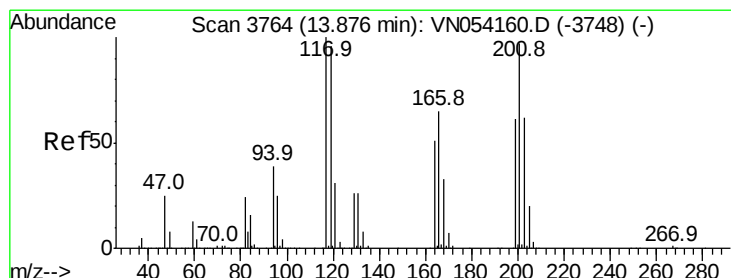
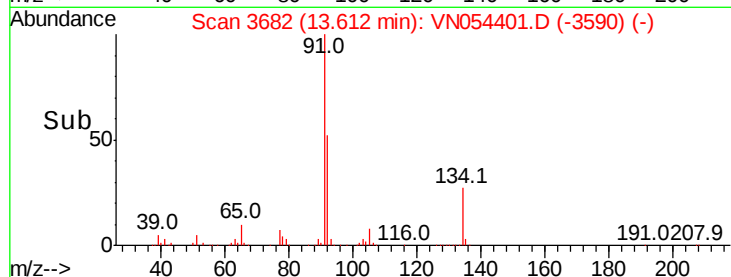
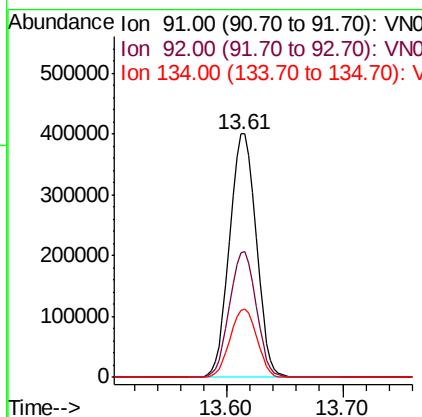
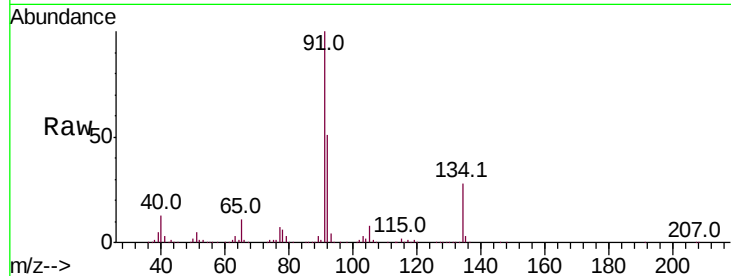
#89
n-Butylbenzene
Concen: 17.555 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	28.2	14.3	42.9

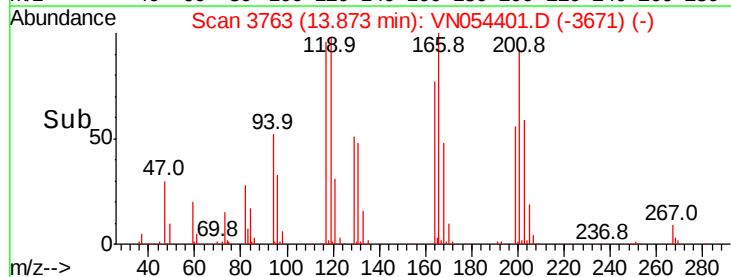
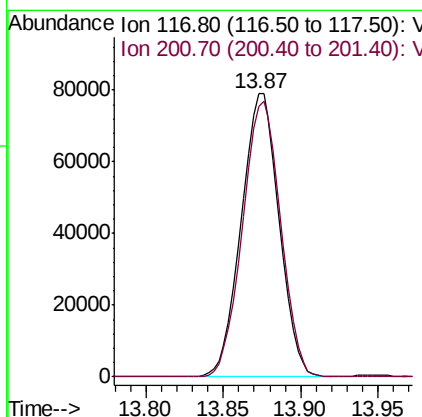
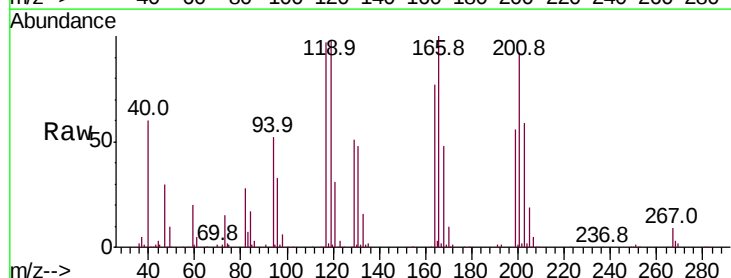
Manual Integrations
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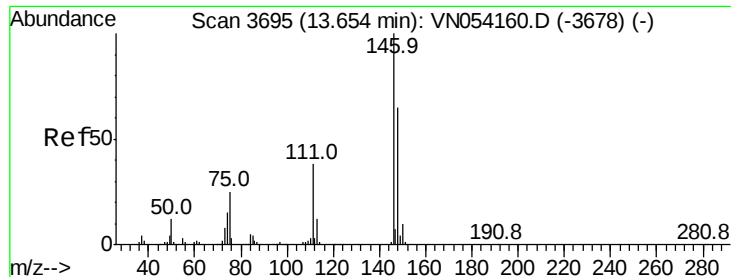
MMDadoda
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#90
Hexachloroethane
Concen: 17.102 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.6	48.1	144.4





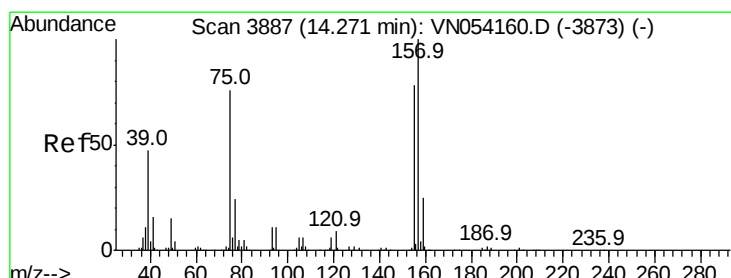
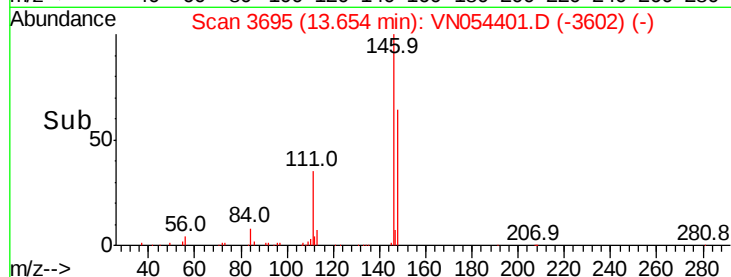
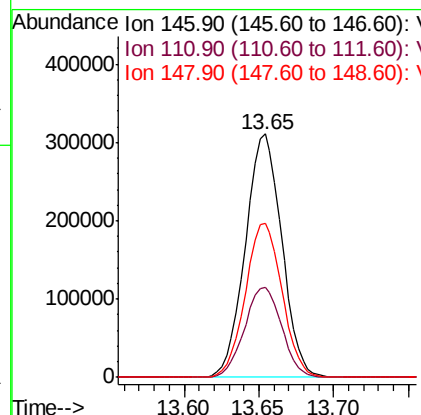
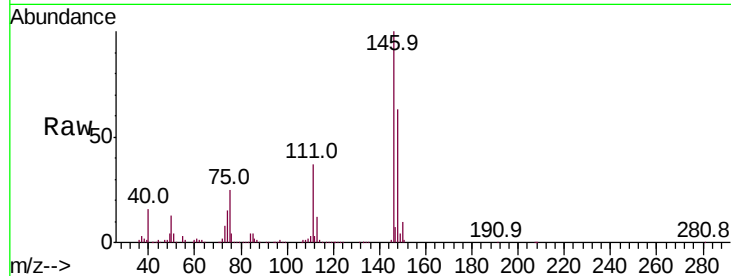
#91
 1,2-Dichlorobenzene
 Concen: 22.124 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.6	19.1	57.3	
148	63.9	32.4	97.0	

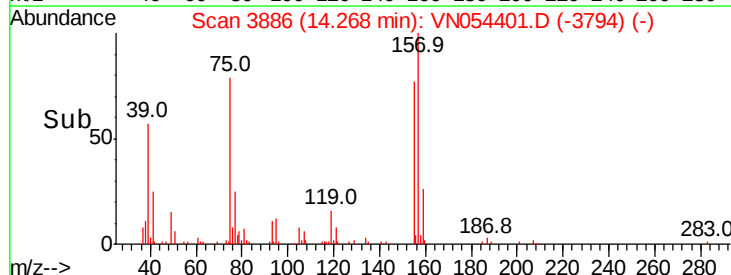
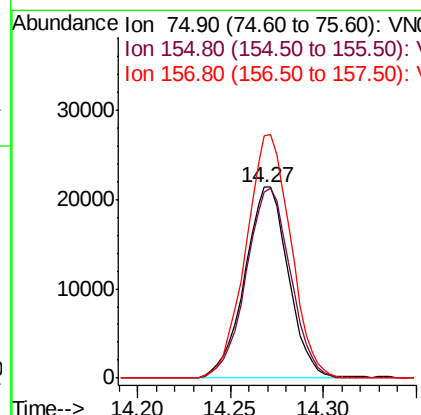
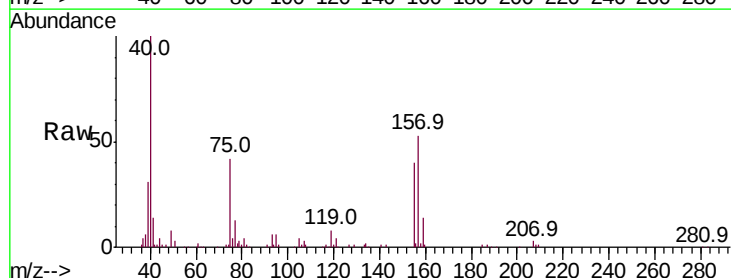
Manual Integrations
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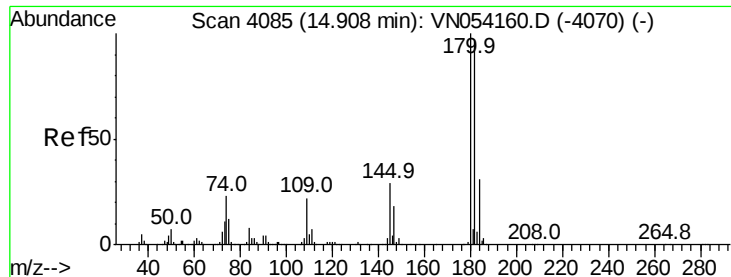
MMDadoda
 3/19/2019 9:24:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.415 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	100.8	50.1	150.3	
157	130.3	63.1	189.3	





#93

1,2,4-Trichlorobenzene

Concen: 16.887 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

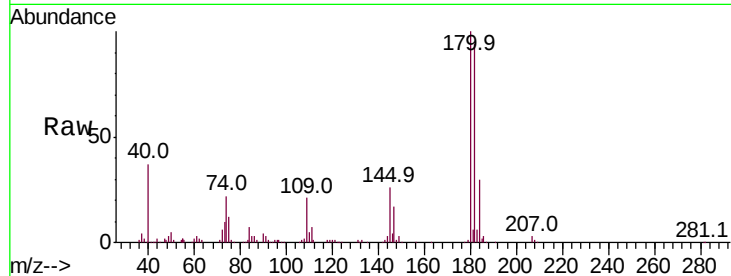
ClientSampleId :

VN0318MBS01

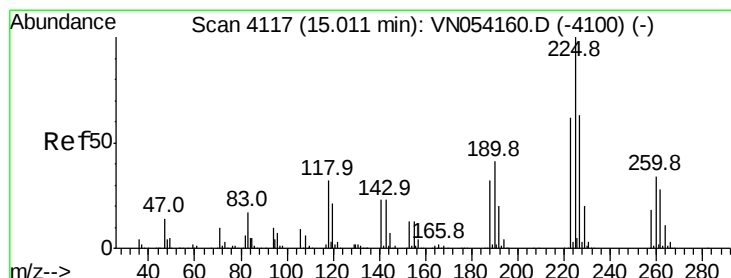
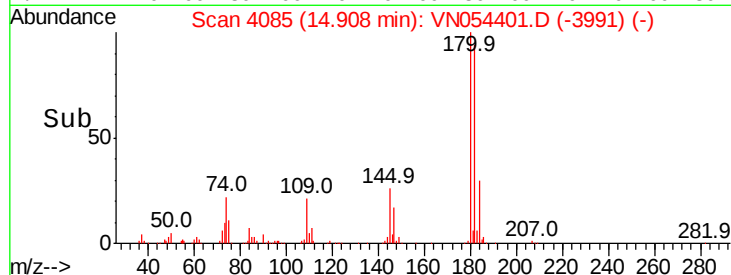
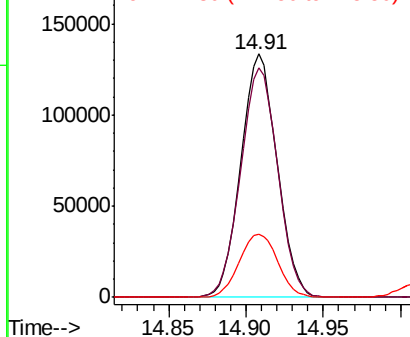
Tot Ion:	180	Resp:	217689
Ion Ratio	Lower	Upper	
180	100		
182	96.6	48.0	144.2
145	27.6	14.2	42.8

Manual Integrations
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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: 15.992 ug/l

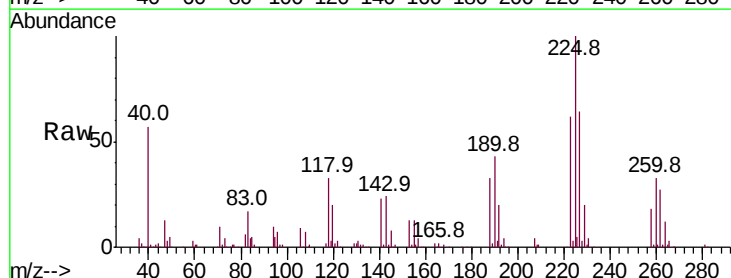
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

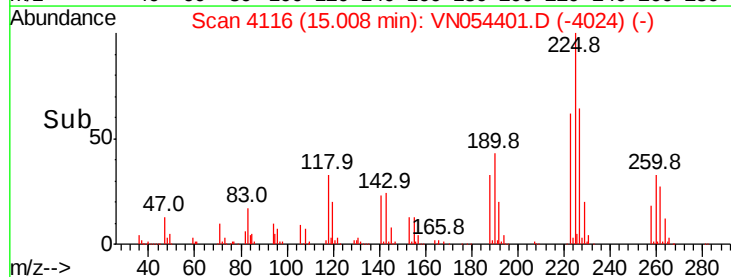
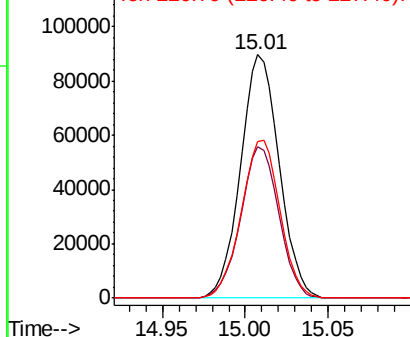
Lab File: VN054401.D

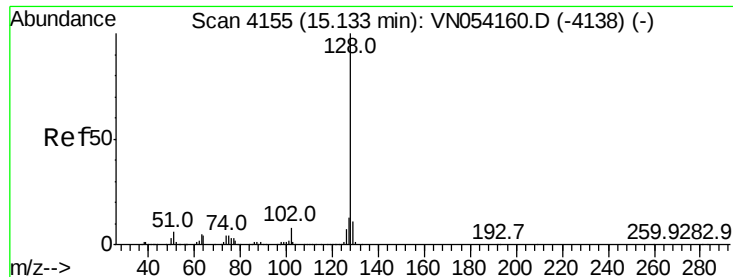
Acq: 18 Mar 2019 18:33

Tgt Ion:	225	Resp:	145150
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.1	93.5
227	65.1	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: 18.303 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

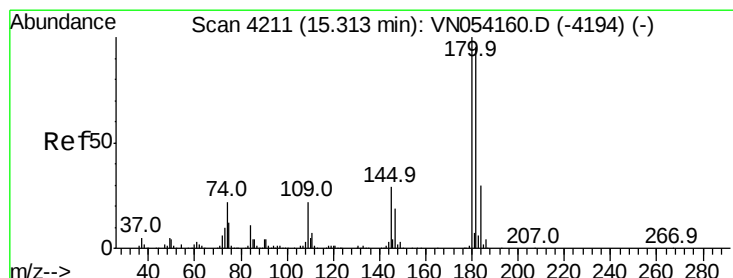
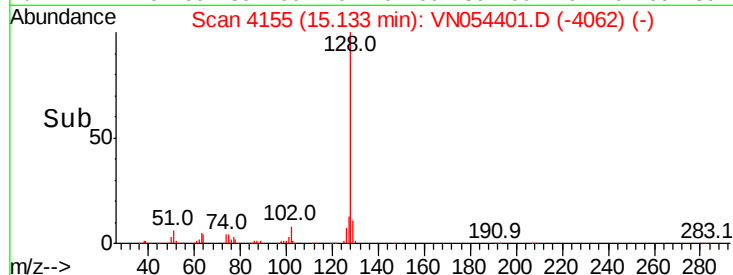
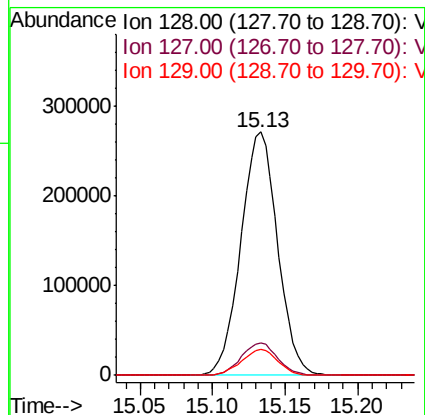
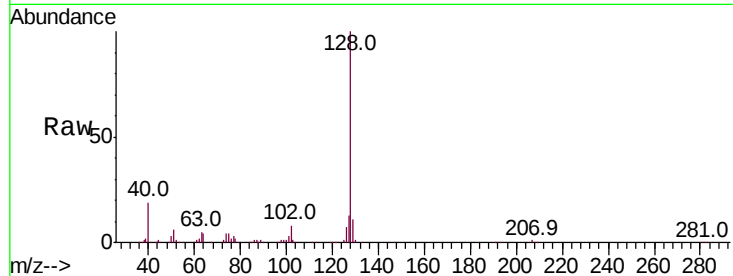
ClientSampleId :

VN0318MBS01

Tot Ion:	128	Resp:	477665
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
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3/19/2019 9:24:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.093 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion:	180	Resp:	229064
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.5	142.6
145	29.1	14.8	44.3

