

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054452.D
 Acq On : 19 Mar 2019 20:39
 Operator : JC/SP
 Sample : VN0319WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 12:21:57 PM

Quant Time: Mar 20 05:00:27 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	1275546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2064520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1756876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	779090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	650563	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
35) Dibromofluoromethane	7.59	113	642696	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	2352286	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.40	95	777268	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	238493	19.728	ug/l	96
3) Chloromethane	2.06	50	233399	19.876	ug/l	99
4) Vinyl Chloride	2.19	62	247105	18.411	ug/l	99
5) Bromomethane	2.57	94	163040	17.539	ug/l	96
6) Chloroethane	2.71	64	143845	17.713	ug/l	96
7) Trichlorofluoromethane	3.02	101	310537	17.402	ug/l	98
8) Diethyl Ether	3.41	74	168590	20.732	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	251156	18.782	ug/l	99
10) Methyl Iodide	3.94	142	374628	20.634	ug/l	98
11) Tert butyl alcohol	4.81	59	96399	103.804	ug/l	97
12) 1,1-Dichloroethene	3.73	96	249171	18.803	ug/l	99
13) Acrolein	3.61	56	59697	67.839	ug/l	96
14) Allyl chloride	4.31	41	342412	20.139	ug/l	94
15) Acrylonitrile	5.00	53	466418	122.270	ug/l	99
16) Acetone	3.82	43	277756	71.612	ug/l	98
17) Carbon Disulfide	4.04	76	542442	16.329	ug/l	99
18) Methyl Acetate	4.33	43	215704	27.488	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	756219	23.023	ug/l	100
20) Methylene Chloride	4.54	84	287525	22.576	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	272907	21.494	ug/l	96
22) Diisopropyl ether	5.96	45	765685	22.564	ug/l	96
23) Vinyl Acetate	5.90	43	2578669	103.067	ug/l	98
24) 1,1-Dichloroethane	5.85	63	484555	22.240	ug/l	99
25) 2-Butanone	6.85	43	498550	109.516	ug/l	94
26) 2,2-Dichloropropane	6.82	77	272301	14.212	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	319505	22.557	ug/l	94
28) Bromochloromethane	7.19	49	191154	21.461	ug/l	95
29) Tetrahydrofuran	7.22	42	336107	114.831	ug/l	95
30) Chloroform	7.37	83	500268	22.004	ug/l	100
31) Cyclohexane	7.65	56	418255	19.791	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	408401	19.890	ug/l	99
36) 1,1-Dichloropropene	7.79	75	365411	19.220	ug/l	100
37) Ethyl Acetate	6.94	43	222315	20.350	ug/l	98
38) Carbon Tetrachloride	7.77	117	350673	17.588	ug/l	97

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Quant Time: Mar 20 05:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	397247	16.982	ug/l	97
40) Benzene	8.04	78	1138531	20.927	ug/l	99
41) Methacrylonitrile	7.17	41	111400	17.860	ug/l	88
42) 1,2-Dichloroethane	8.12	62	346169	18.846	ug/l	96
43) Isopropyl Acetate	8.17	43	368913	19.239	ug/l	95
44) Trichloroethene	8.83	130	331299	19.602	ug/l	100
45) 1,2-Dichloropropane	9.12	63	291743	21.595	ug/l	100
46) Dibromomethane	9.21	93	183187	20.069	ug/l	99
47) Bromodichloromethane	9.40	83	346886	18.957	ug/l	96
48) Methyl methacrylate	9.20	41	195505	20.091	ug/l	90
49) 1,4-Dioxane	9.20	88	61214	444.723	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1092205	107.631	ug/l	94
52) Toluene	10.16	92	709858	20.577	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	315463	16.460	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	399014	18.712	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	271438	21.549	ug/l	99
56) Ethyl methacrylate	10.43	69	324466	21.603	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	437838	21.258	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	628007	106.719	ug/l	99
59) 2-Hexanone	10.75	43	684411	101.361	ug/l	93
60) Dibromochloromethane	10.90	129	270624	19.088	ug/l	100
61) 1,2-Dibromoethane	11.00	107	269327	21.040	ug/l	99
64) Tetrachloroethene	10.63	164	328648	19.348	ug/l	99
65) Chlorobenzene	11.43	112	808076	20.947	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	285051	20.341	ug/l	98
67) Ethyl Benzene	11.51	91	1298810	20.311	ug/l	100
68) m/p-Xylenes	11.62	106	1033647	41.357	ug/l	96
69) o-Xylene	11.95	106	520988	21.383	ug/l	95
70) Styrene	11.96	104	801729	20.981	ug/l	99
71) Bromoform	12.13	173	173592	17.837	ug/l #	98
73) Isopropylbenzene	12.25	105	1316010	21.113	ug/l	99
74) N-amyl acetate	12.07	43	300632	21.729	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	312929	23.564	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	252147m	22.008	ug/l	
77) Bromobenzene	12.53	156	361255	21.902	ug/l	96
78) n-propylbenzene	12.59	91	1369297	20.246	ug/l	99
79) 2-Chlorotoluene	12.67	91	848354	20.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1053786	20.325	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50755	15.144	ug/l	89
82) 4-Chlorotoluene	12.77	91	832677	20.506	ug/l	99
83) tert-Butylbenzene	12.99	119	961956	20.157	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1053005	20.702	ug/l	99
85) sec-Butylbenzene	13.17	105	1183234	19.119	ug/l	99
86) p-Isopropyltoluene	13.29	119	1028615	18.945	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	575391	20.703	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	554219	20.299	ug/l	99
89) n-Butylbenzene	13.61	91	729796	17.690	ug/l	99
90) Hexachloroethane	13.87	117	148514	16.519	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	575250	21.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40855	19.881	ug/l	88

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ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
VN0319WBSD01

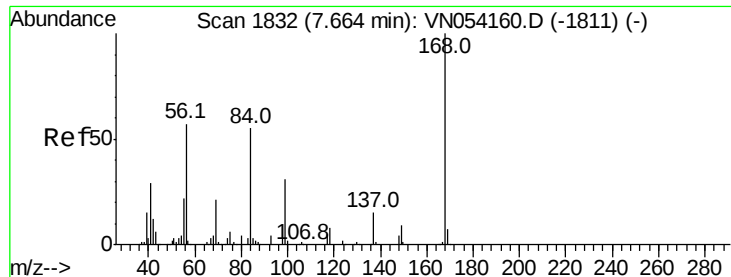
Manual Integrations
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Quant Time: Mar 20 05:00:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	271446	18.232	ug/l	98
94) Hexachlorobutadiene	15.01	225	164499	15.895	ug/l	98
95) Naphthalene	15.13	128	661823	21.494	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	289382	20.046	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion:168 Resp: 1275546

Ion Ratio Lower Upper

168 100

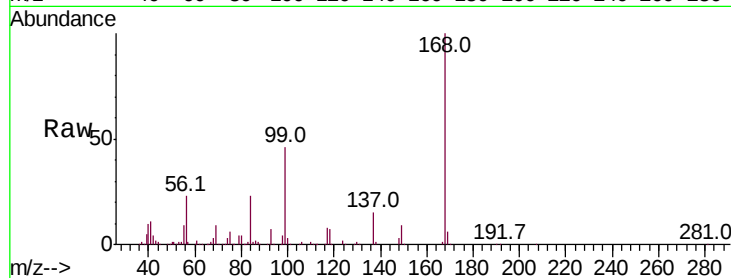
99 44.8 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

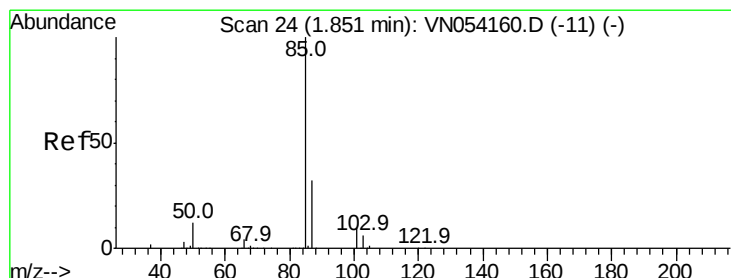
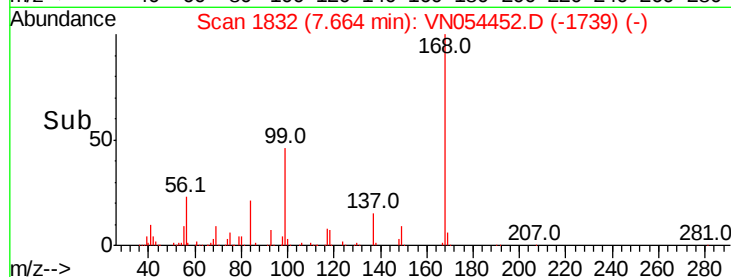
100000

0

7.66

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.728 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054452.D

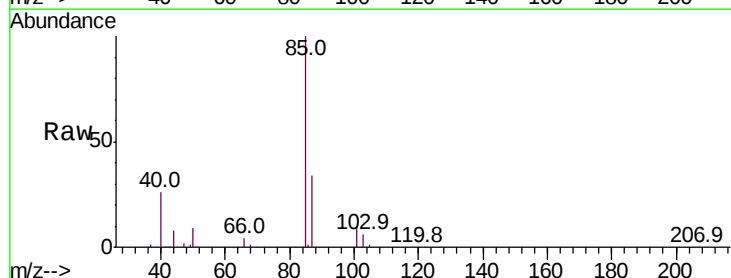
Acq: 19 Mar 2019 20:39

Tgt Ion: 85 Resp: 238493

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

150000

100000

50000

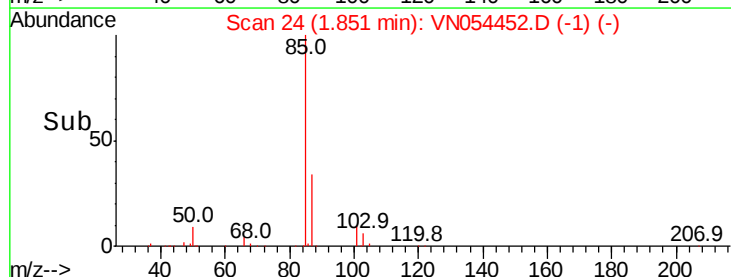
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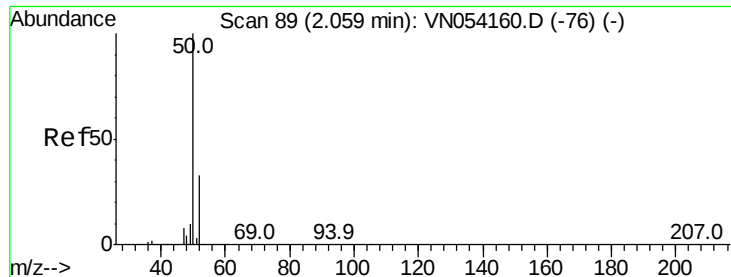
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.876 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

VN0319WBSD01

Tot Ion: 50 Resp: 233399

Ion Ratio Lower Upper

50 100

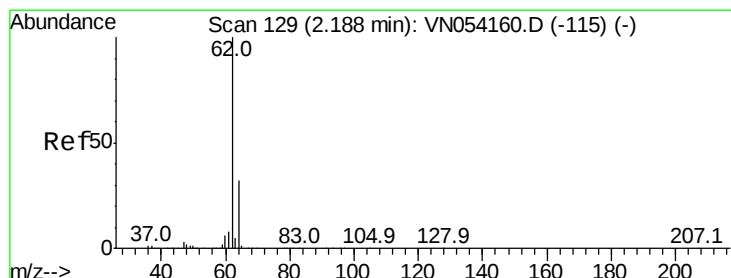
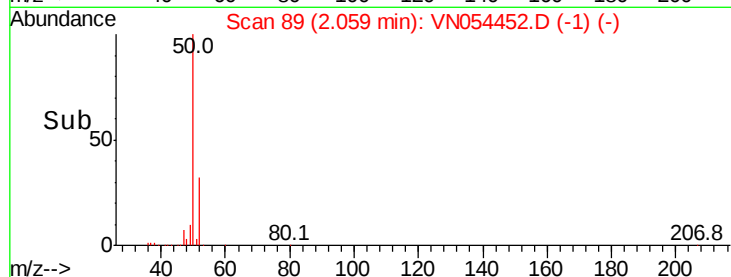
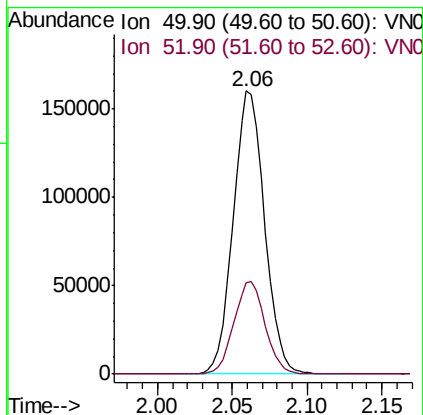
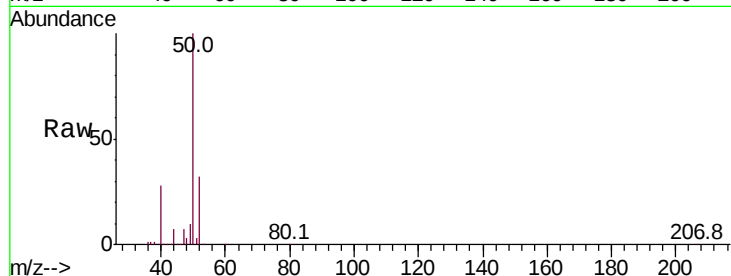
52 32.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.411 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054452.D

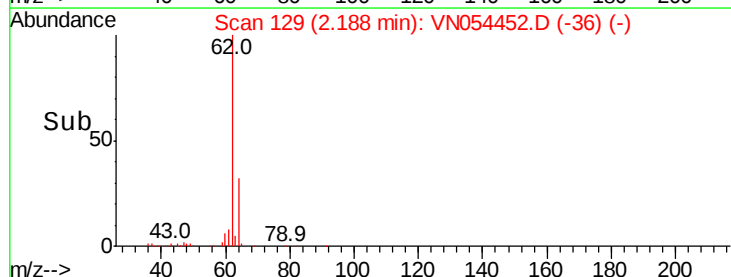
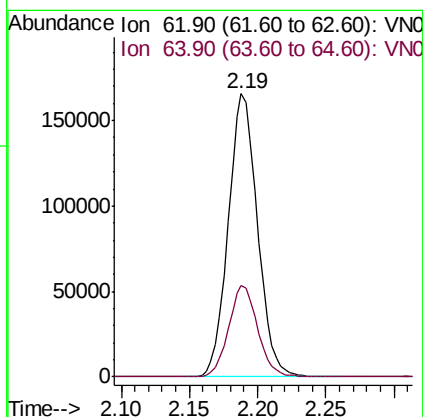
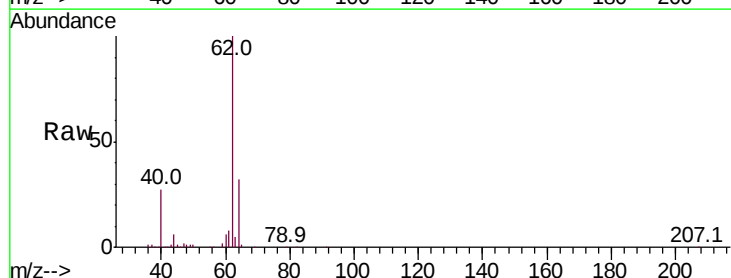
Acq: 19 Mar 2019 20:39

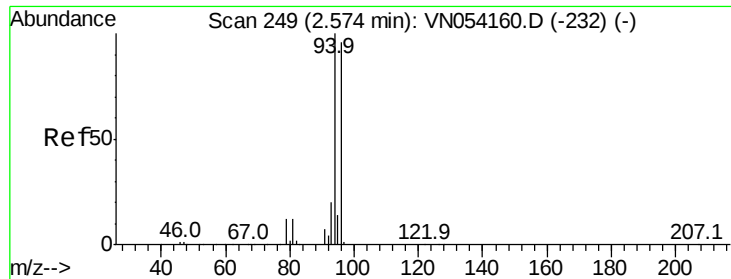
Tgt Ion: 62 Resp: 247105

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 17.539 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 94 Resp: 163040

Ion Ratio Lower Upper

94 100

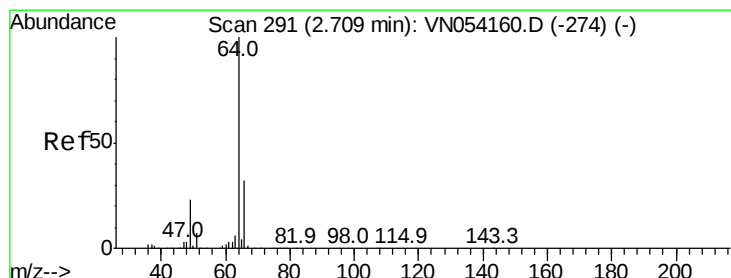
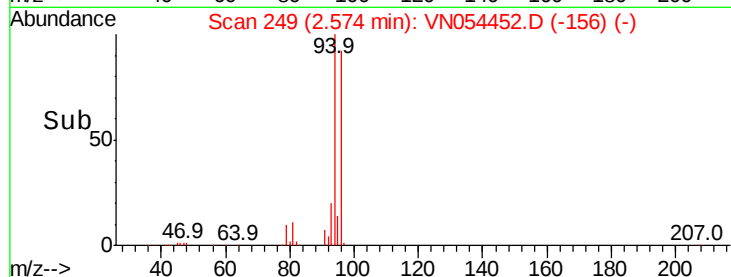
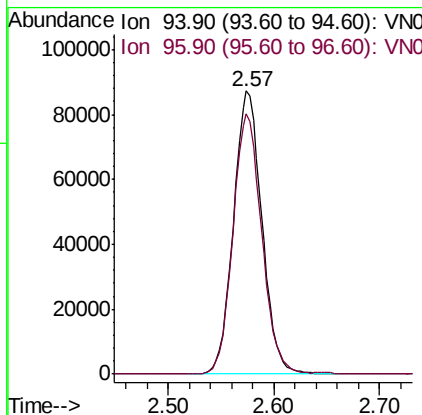
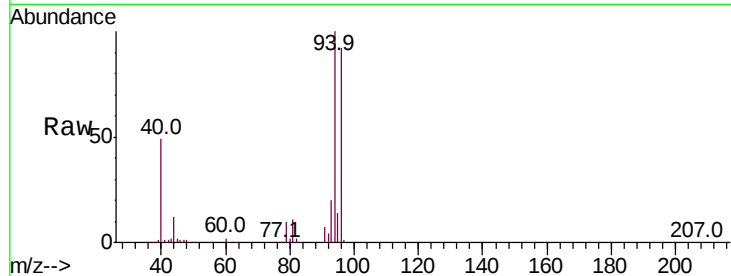
96 91.9 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 17.713 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054452.D

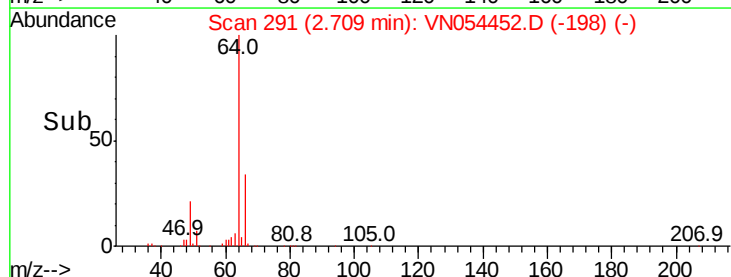
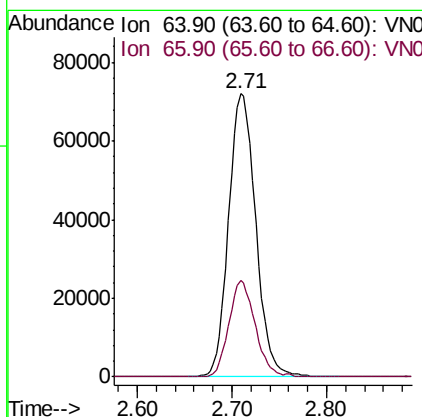
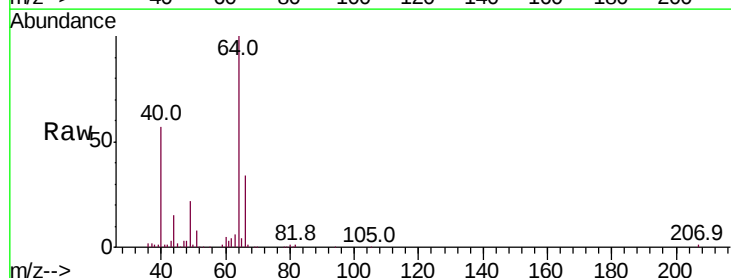
Acq: 19 Mar 2019 20:39

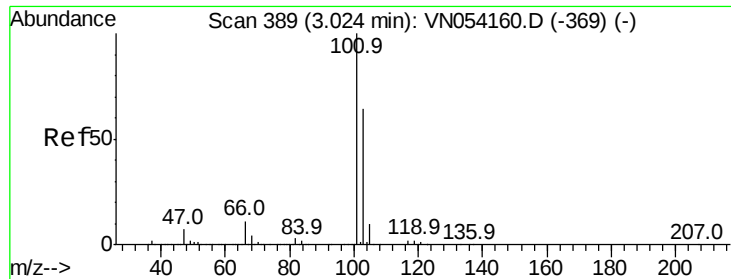
Tgt Ion: 64 Resp: 143845

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5





#7

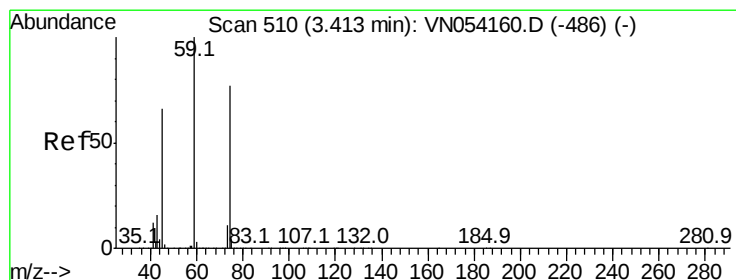
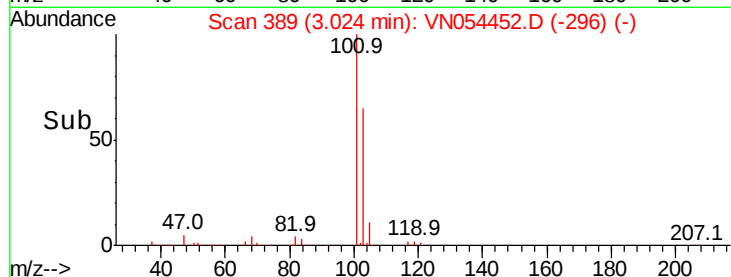
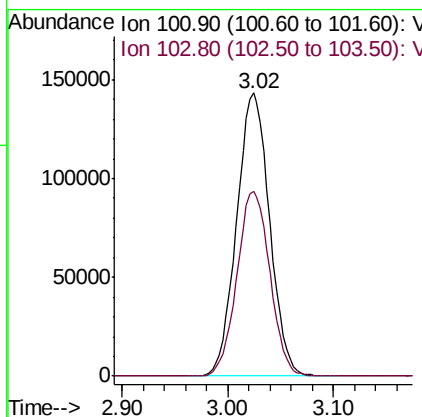
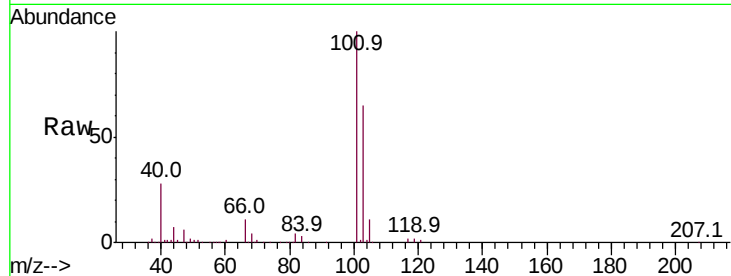
Trichlorofluoromethane
 Concen: 17.402 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

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 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

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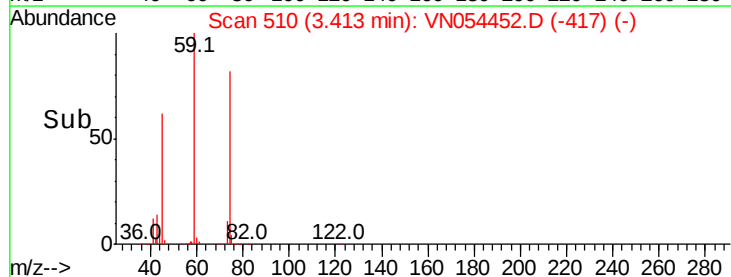
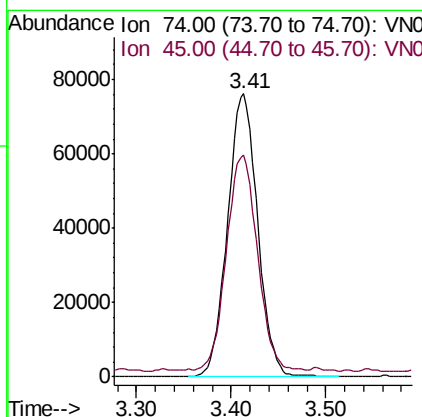
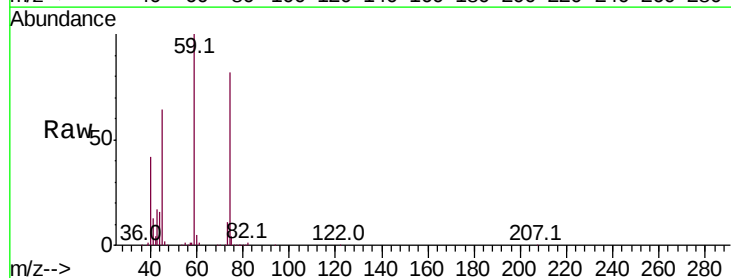
MMDadoda
 3/20/2019 12:21:57 PM

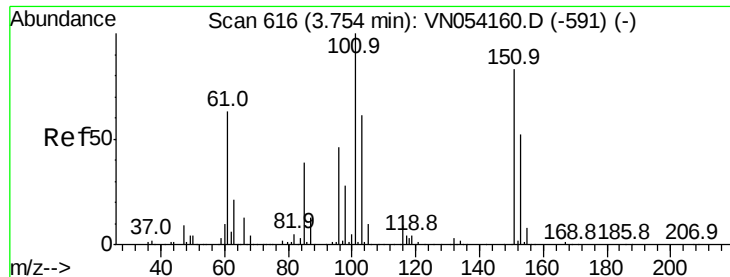


#8

Diethyl Ether
 Concen: 20.732 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.7	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.782 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

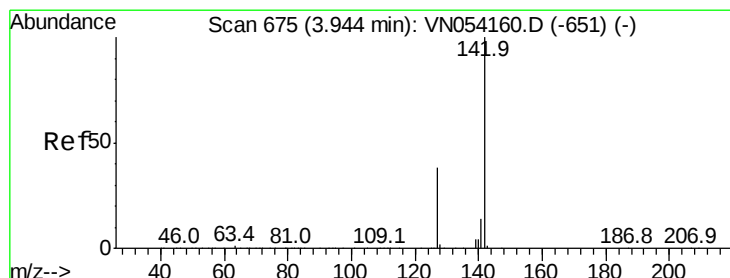
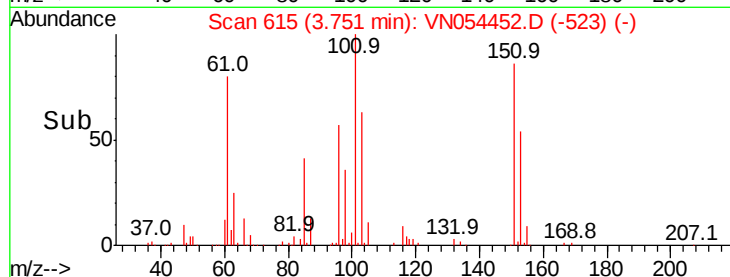
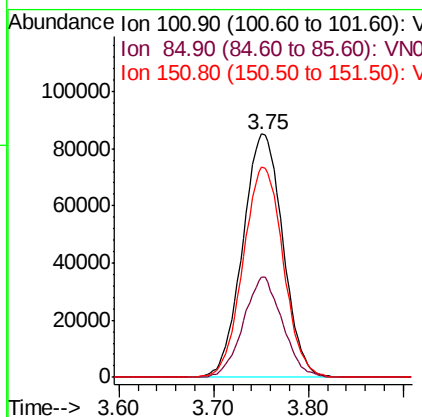
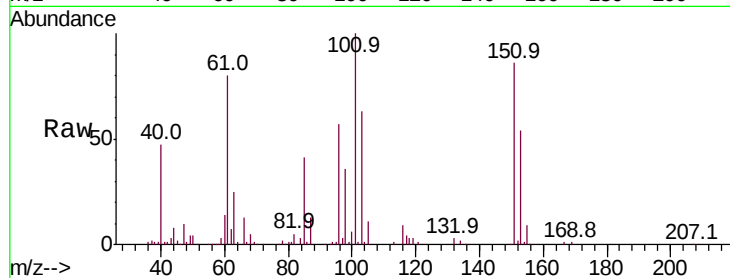
ClientSampleId :

VN0319WBSD01

Tot Ion:	101	Resp:	251156
Ion Ratio	Lower	Upper	
101	100		
85	39.9	32.4	48.6
151	86.1	68.2	102.2

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#10

Methyl Iodide

Concen: 20.634 ug/l

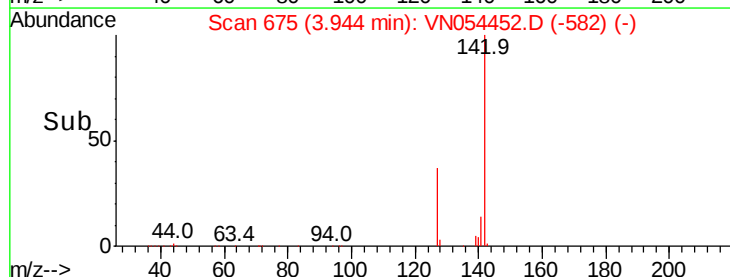
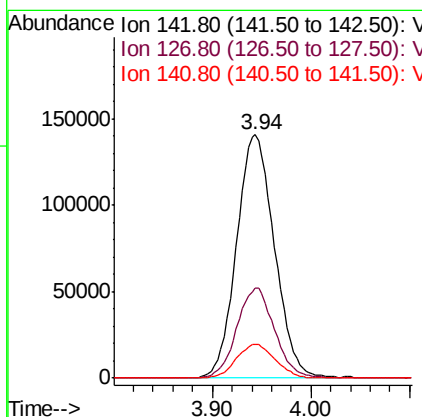
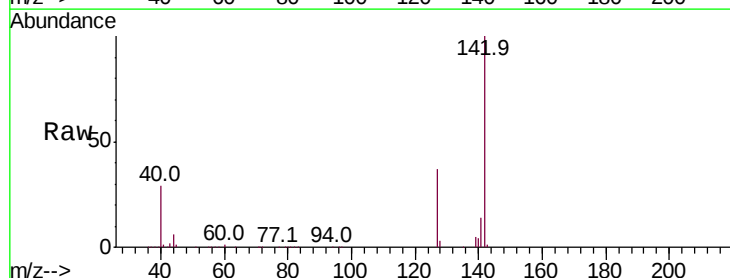
RT: 3.94 min Scan# 675

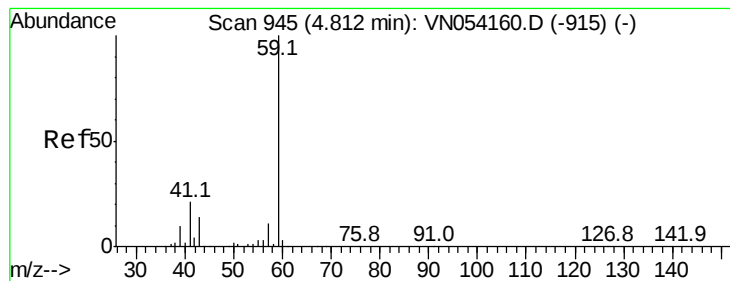
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion:	142	Resp:	374628
Ion Ratio	Lower	Upper	
142	100		
127	36.7	30.3	45.5
141	14.3	11.2	16.8





#11

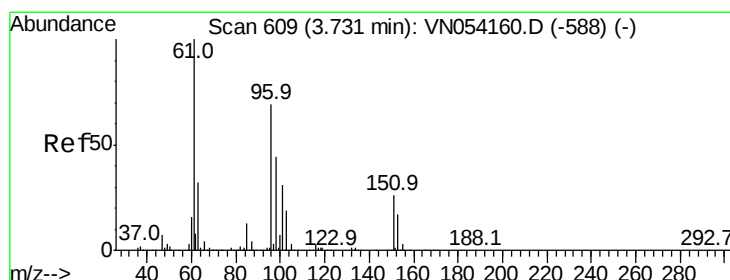
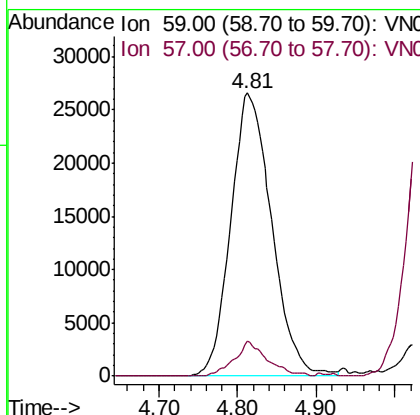
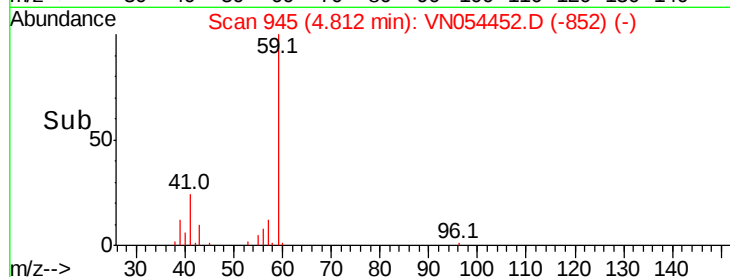
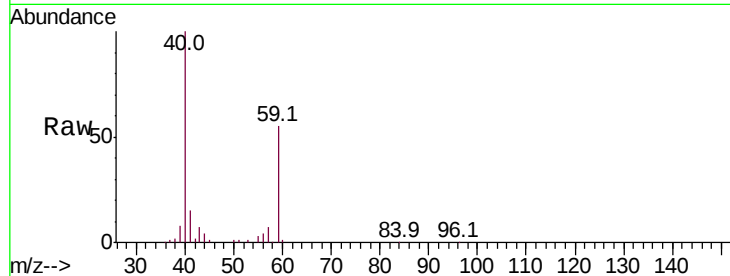
Tert butyl alcohol
Concen: 103.804 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	59	Resp	96399
Ion Ratio	100	Lower	Upper
57	10.0	9.0	13.6

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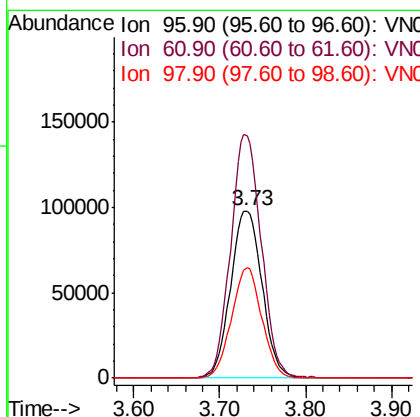
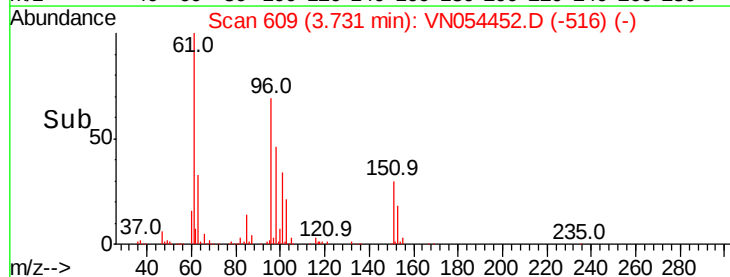
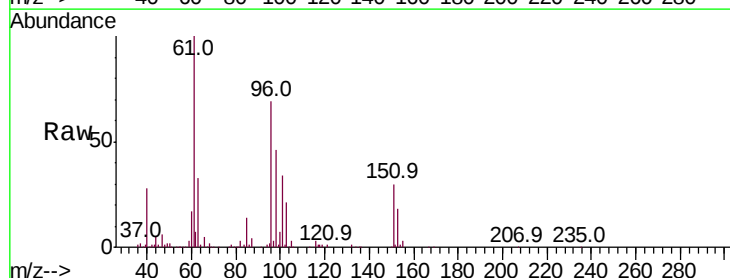
MMDadoda
3/20/2019 12:21:57 PM

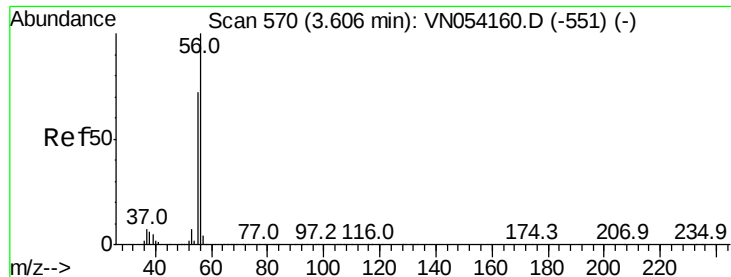


#12

1,1-Dichloroethene
Concen: 18.803 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	96	Resp	249171
Ion Ratio	100	Lower	Upper
61	144.9	116.5	174.7
98	66.0	51.0	76.4





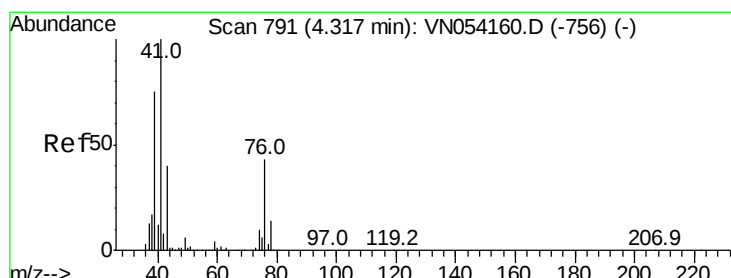
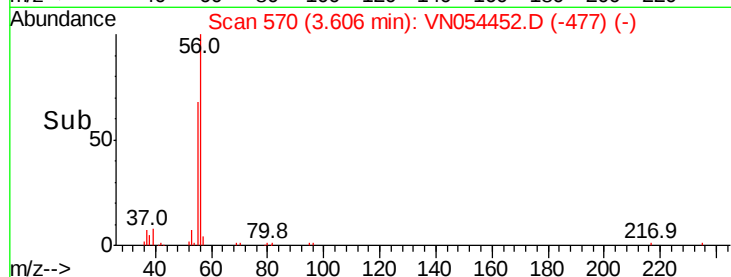
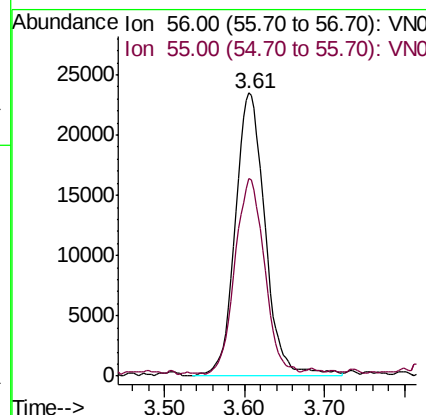
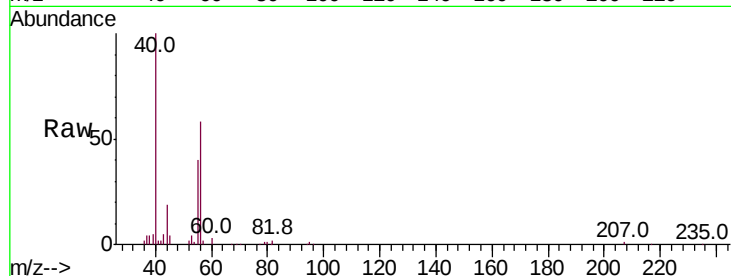
#13
Acrolein
Concen: 67.839 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion: 56 Resp: 59697
Ion Ratio Lower Upper
56 100
55 67.6 56.7 85.1

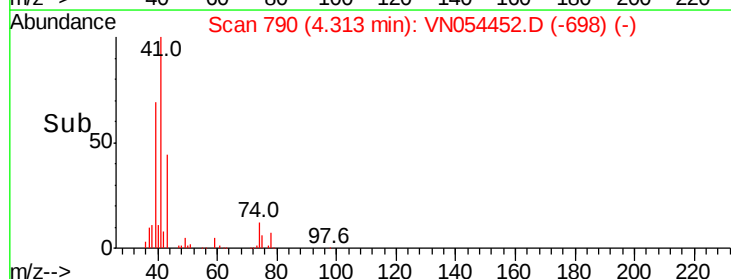
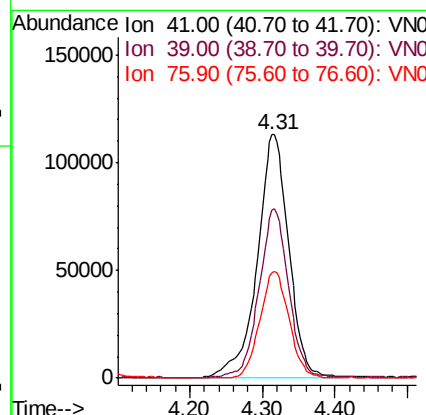
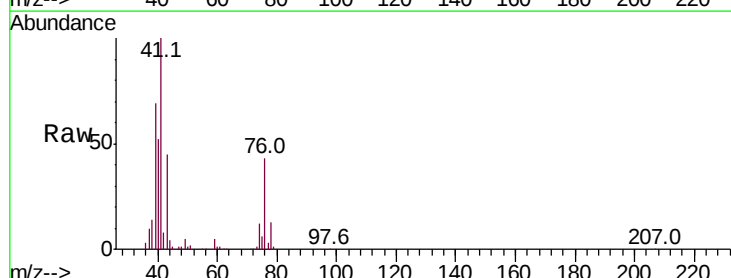
Manual Integrations
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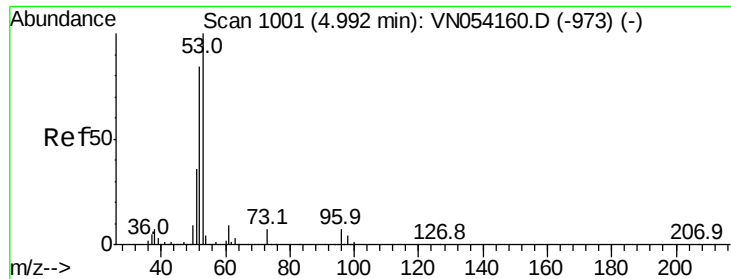
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#14
Allyl chloride
Concen: 20.139 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 41 Resp: 342412
Ion Ratio Lower Upper
41 100
39 65.4 58.2 87.4
76 40.6 31.7 47.5





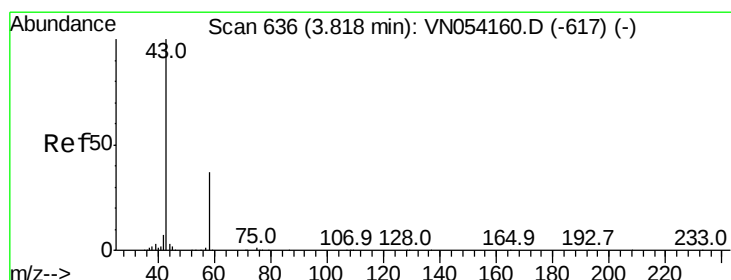
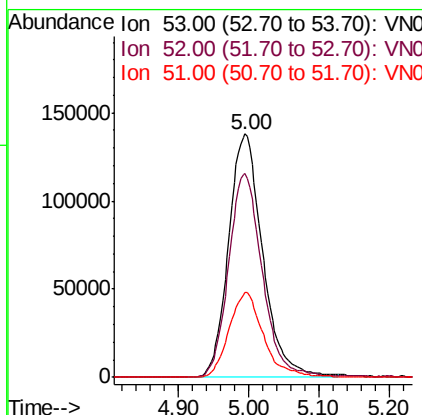
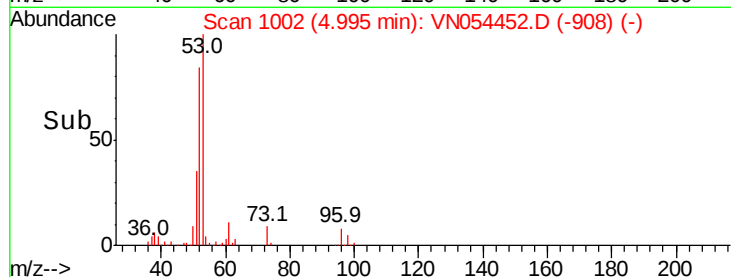
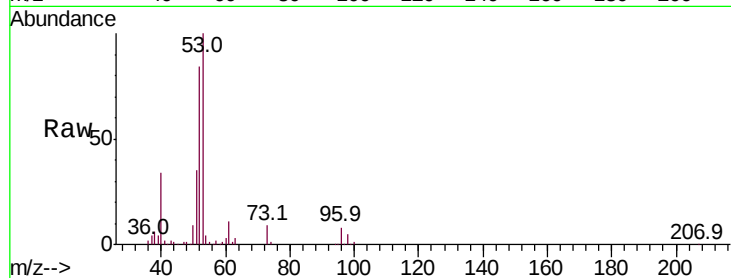
#15
 Acrylonitrile
 Concen: 122.270 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	35.5	29.6	44.4

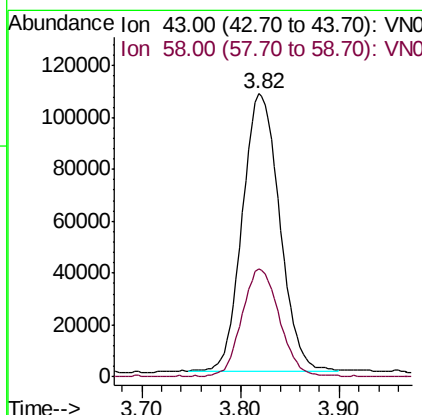
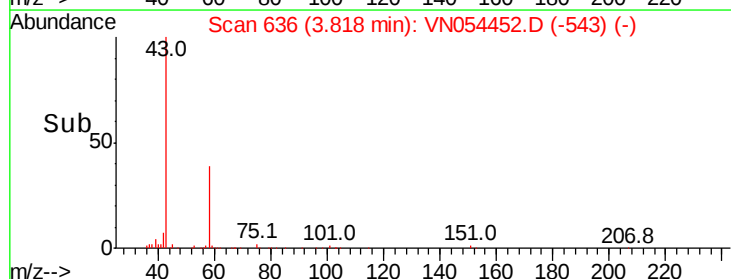
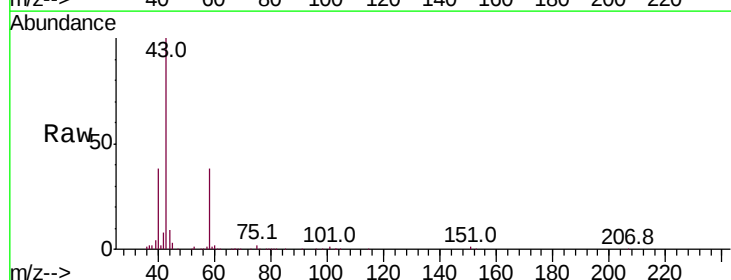
Manual Integrations
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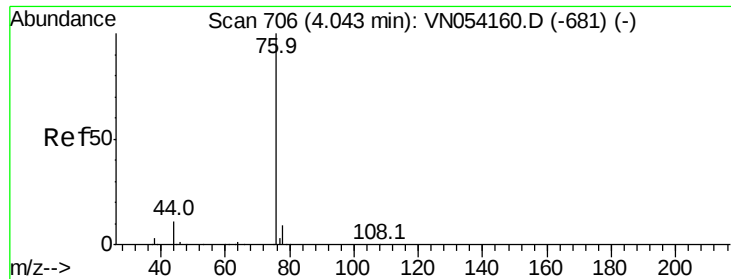
MMDadoda
 3/20/2019 12:21:57 PM



#16
 Acetone
 Concen: 71.612 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.7	29.9	44.9





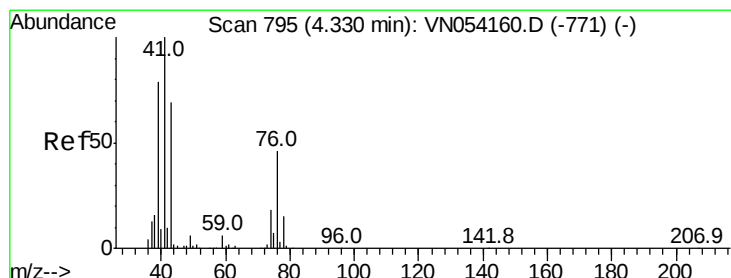
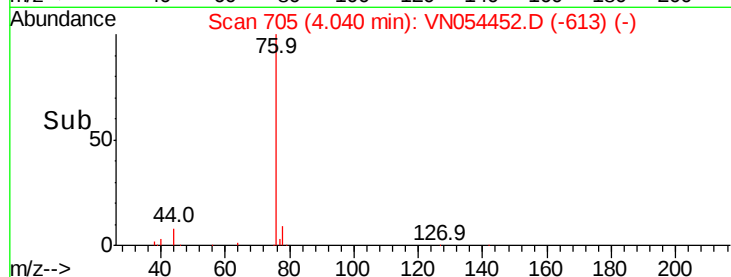
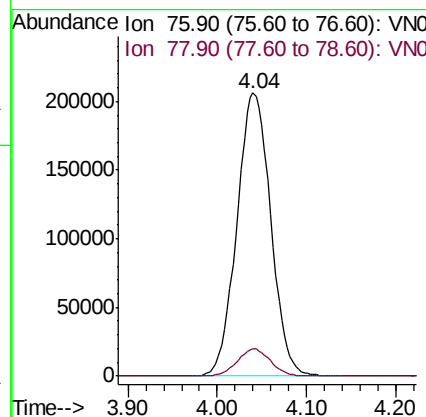
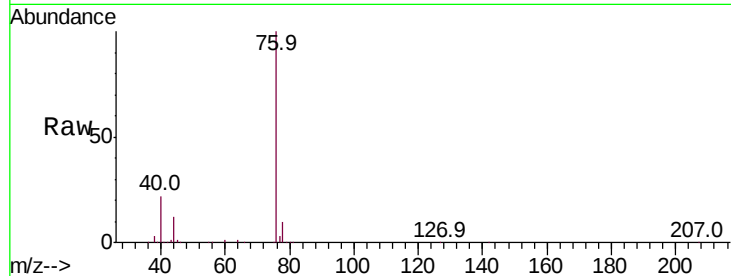
#17
Carbon Disulfide
Concen: 16.329 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.5	11.3

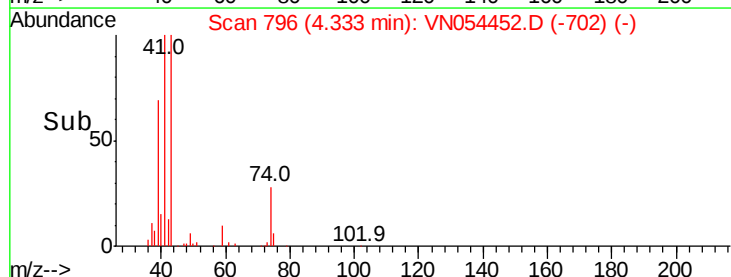
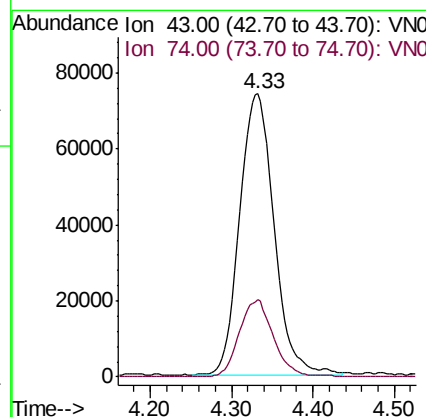
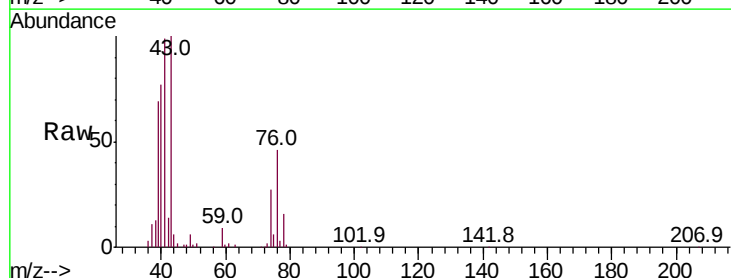
Manual Integrations
APPROVED

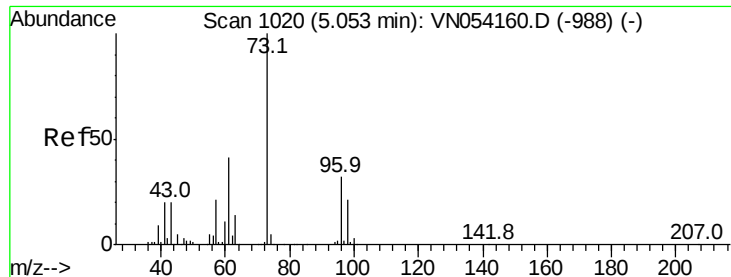
MMDadoda
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#18
Methyl Acetate
Concen: 27.488 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	20.8	31.2





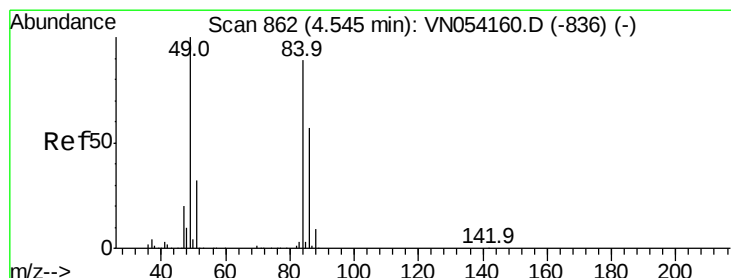
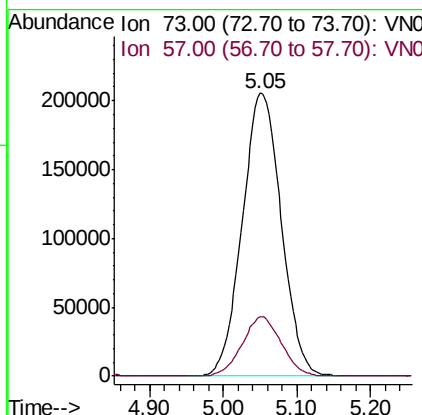
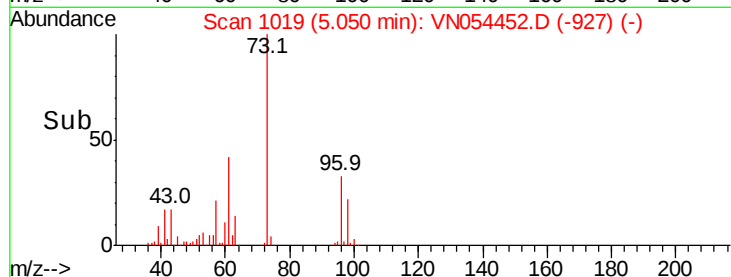
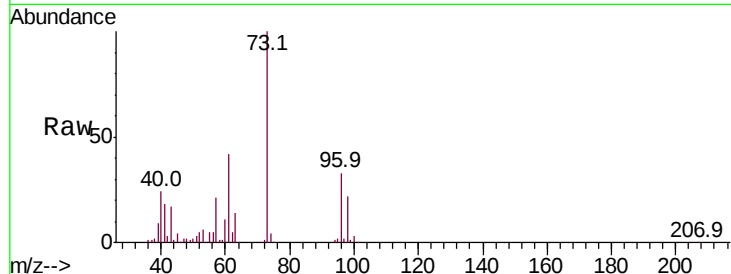
#19
Methvl tert-butvl Ether
Concen: 23.023 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion: 73 Resp: 756219
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2

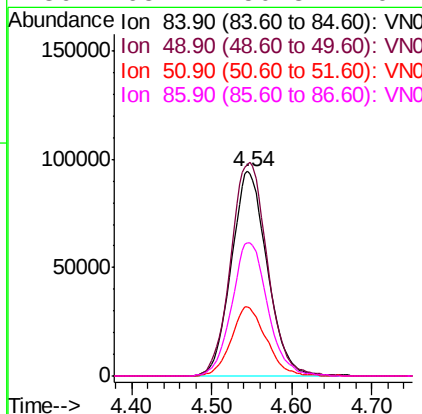
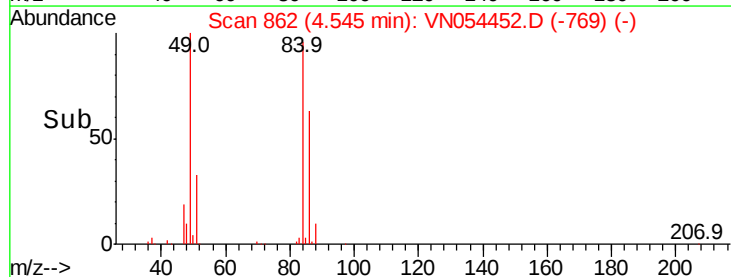
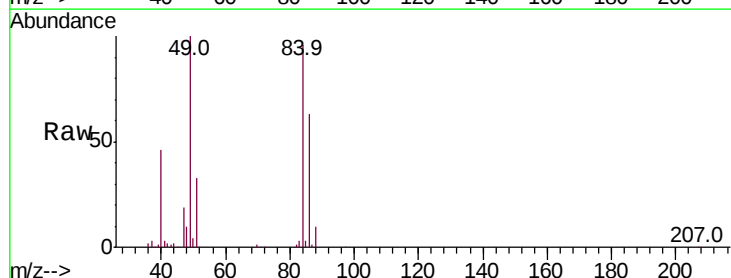
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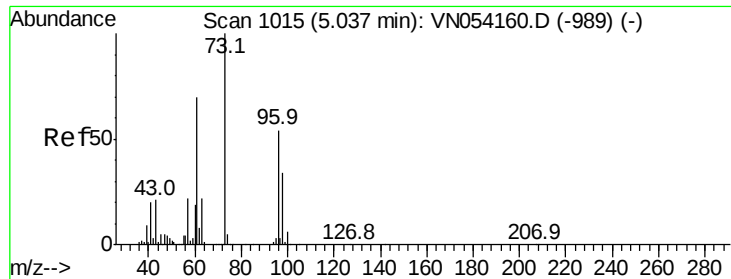
MMDadoda
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#20
Methylene Chloride
Concen: 22.576 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 84 Resp: 287525
Ion Ratio Lower Upper
84 100
49 103.6 89.7 134.5
51 34.0 28.2 42.4
86 65.4 50.8 76.2





#21

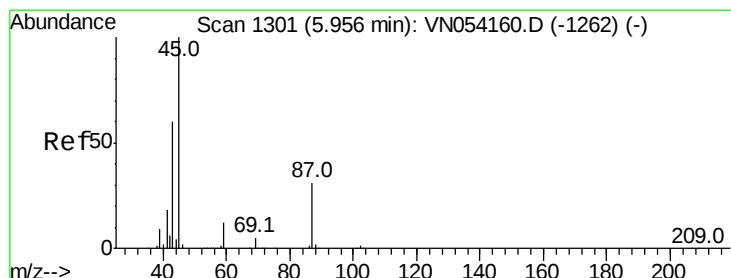
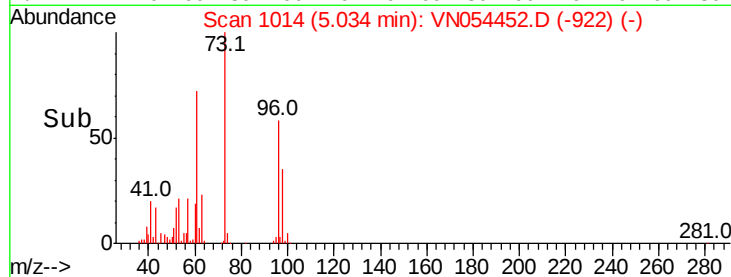
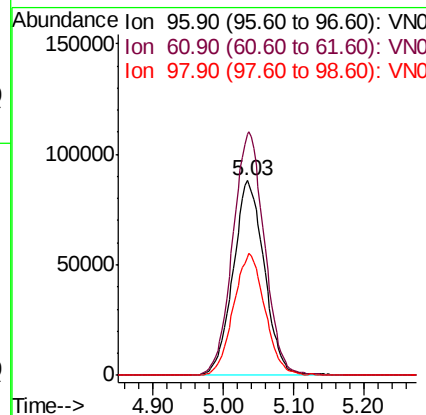
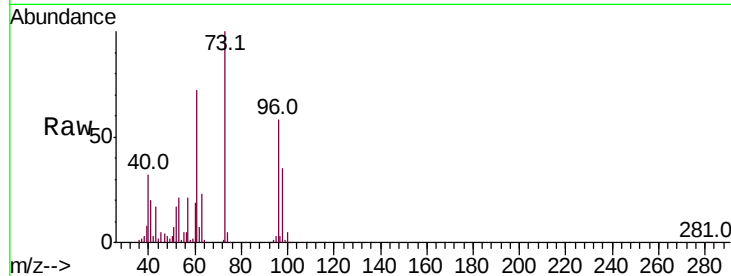
trans-1,2-Dichloroethene
Concen: 21.494 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.6	102.8	154.2
98	60.4	50.0	75.0

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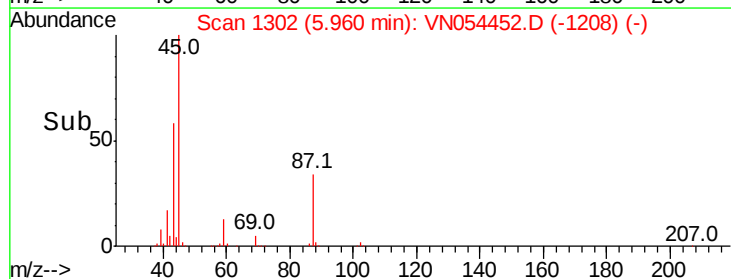
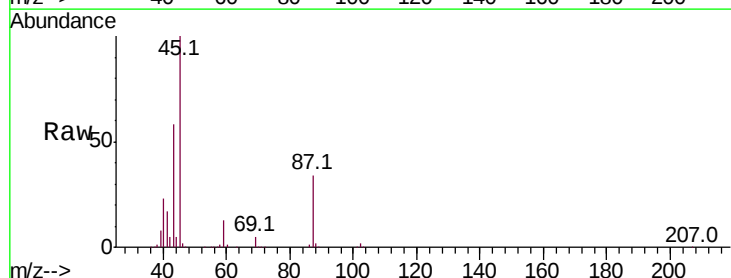
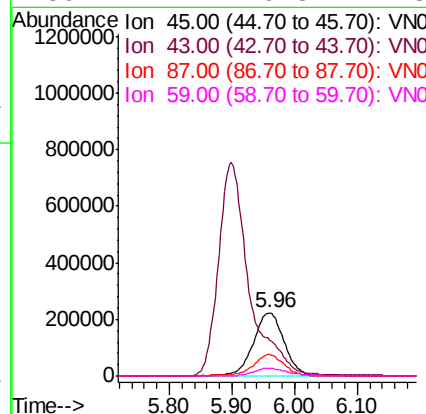
MMDadoda
3/20/2019 12:21:57 PM

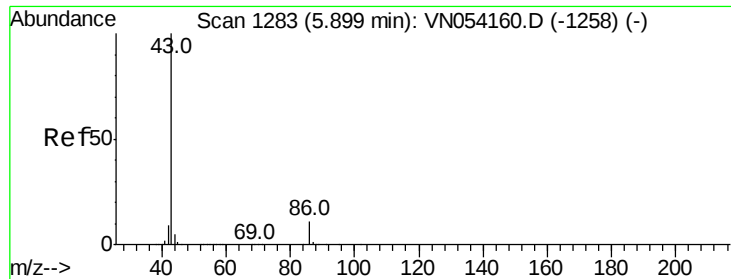


#22

Diisopropyl ether
Concen: 22.564 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.5	48.2	72.2
87	33.9	24.9	37.3
59	12.2	9.5	14.3





#23

Vinyl Acetate

Concen: 103.067 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 43 Resp: 2578669

Ion Ratio Lower Upper

43 100

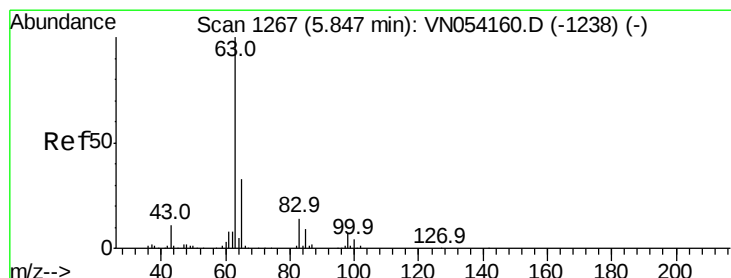
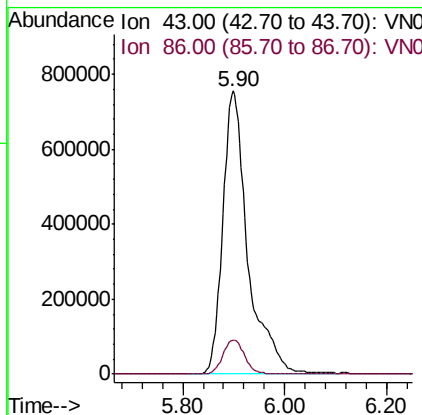
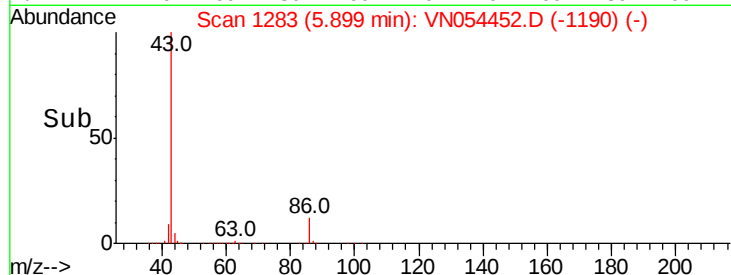
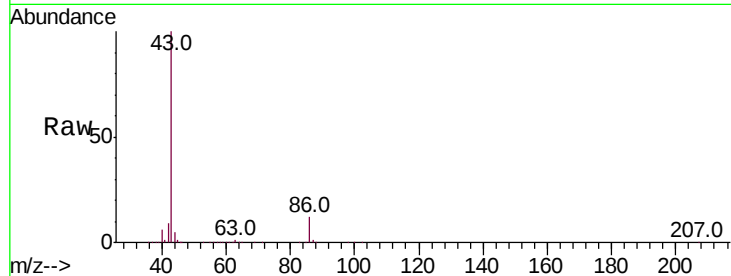
86 12.1 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.240 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

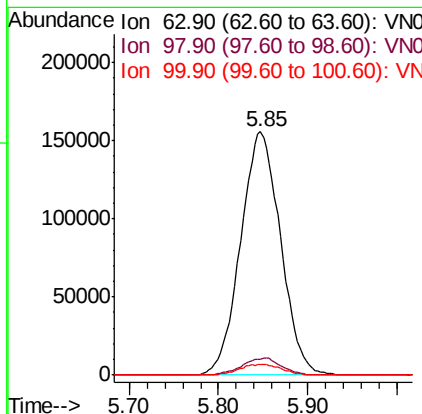
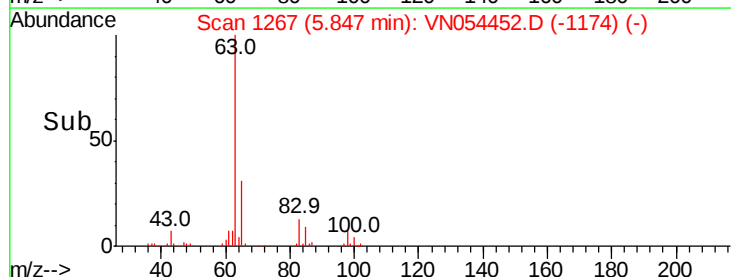
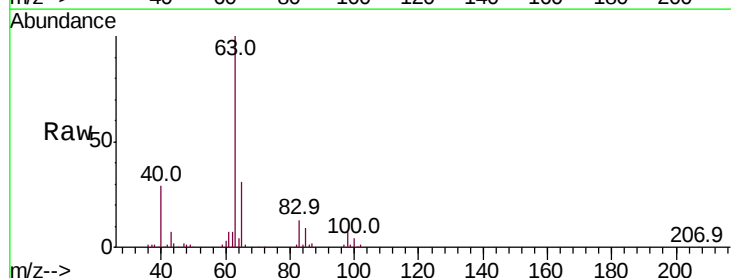
Tgt Ion: 63 Resp: 484555

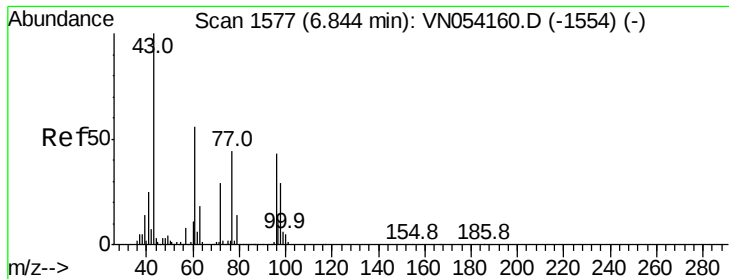
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 109.516 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

VN0319WBSD01

Tot Ion: 43 Resp: 498550

Ion Ratio Lower Upper

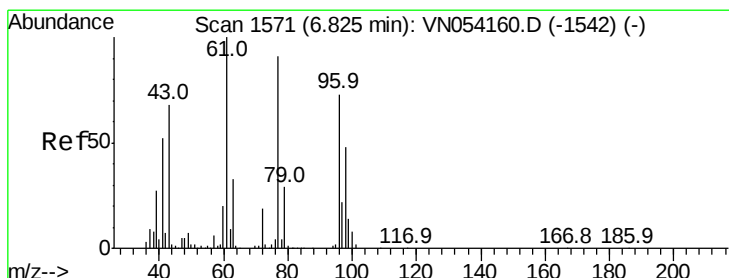
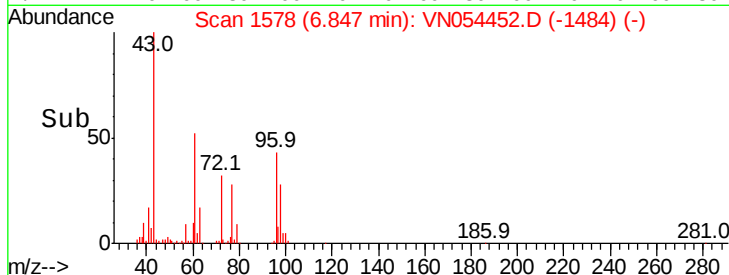
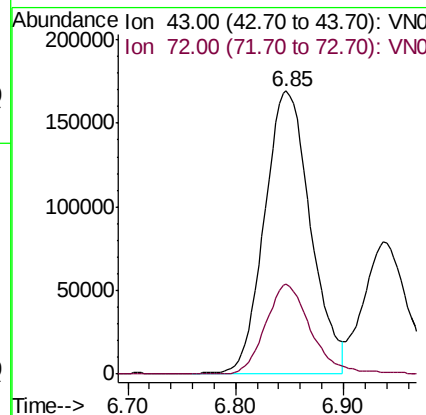
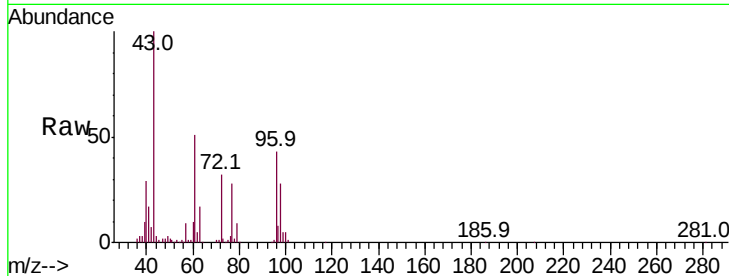
43 100

72 31.8 23.0 34.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 14.212 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054452.D

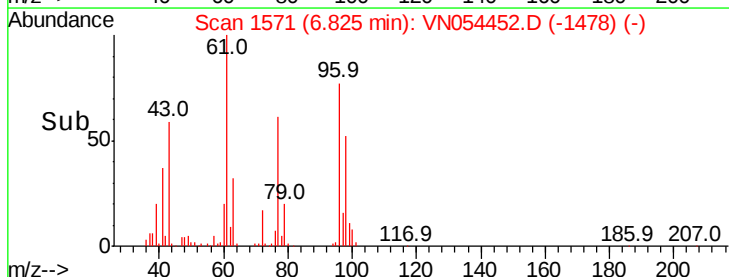
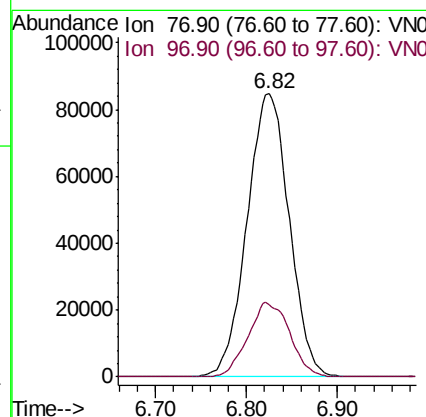
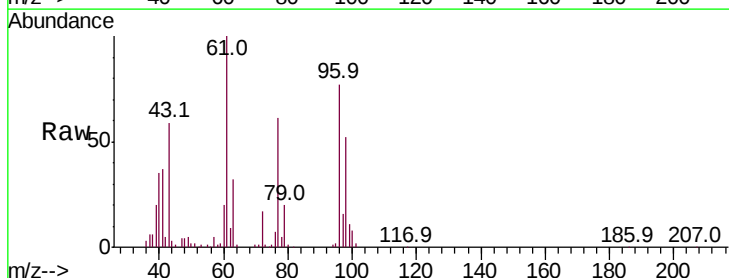
Acq: 19 Mar 2019 20:39

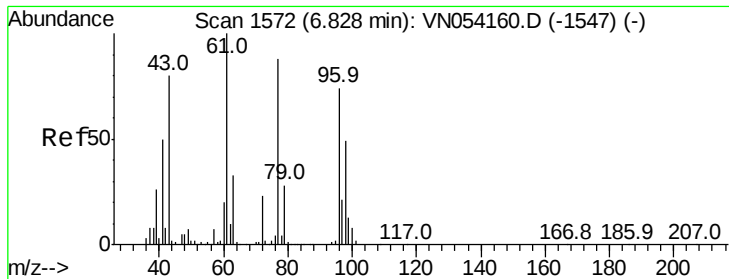
Tgt Ion: 77 Resp: 272301

Ion Ratio Lower Upper

77 100

97 26.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.557 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

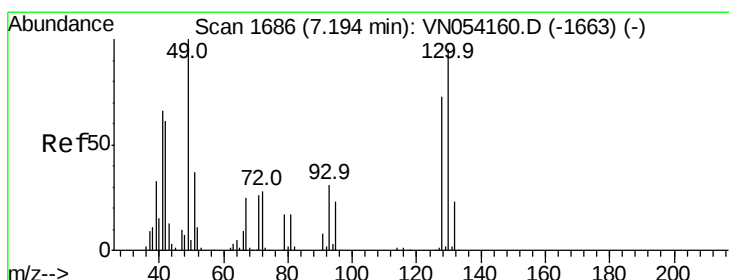
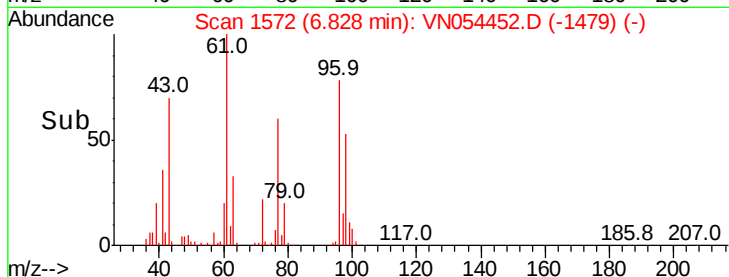
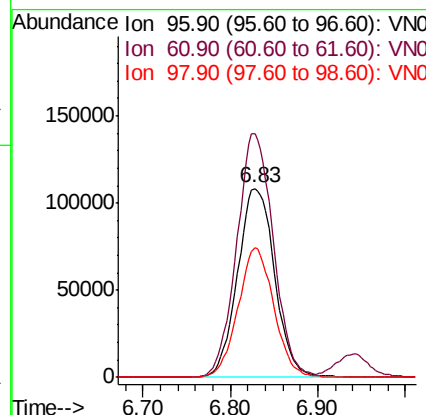
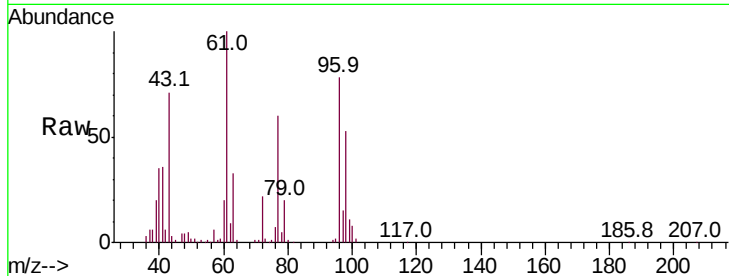
ClientSampleId :

VN0319WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	319505		
61	127.2	0.0	273.0	
98	66.0	0.0	130.6	

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#28

Bromochloromethane

Concen: 21.461 ug/l

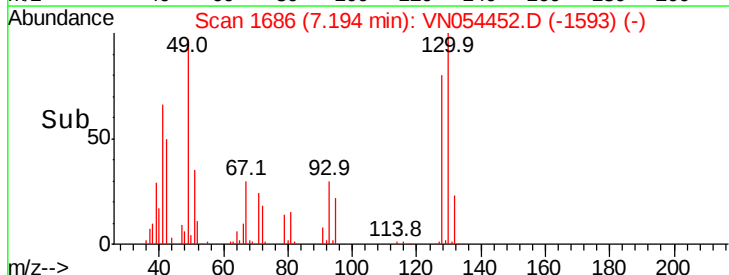
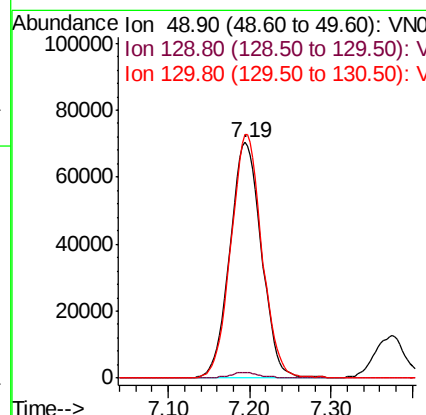
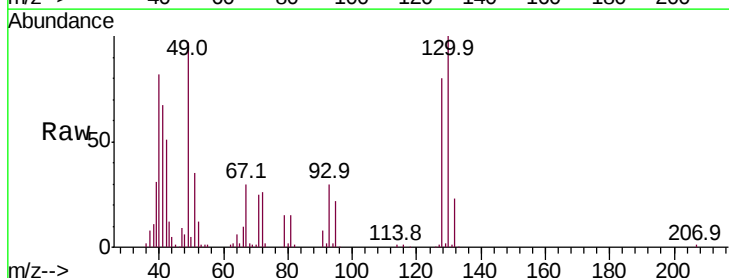
RT: 7.19 min Scan# 1686

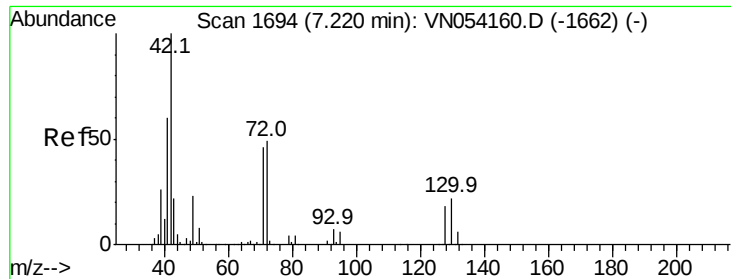
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	191154		
129	2.5	0.0	4.6	
130	101.2	76.7	115.1	





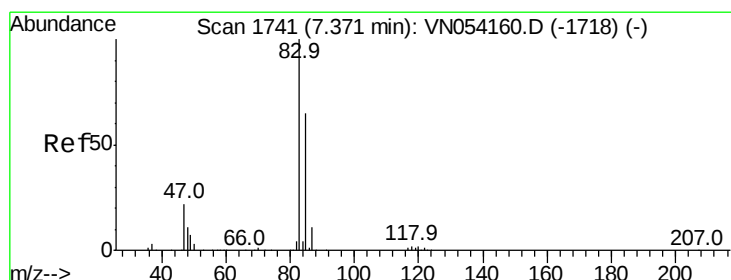
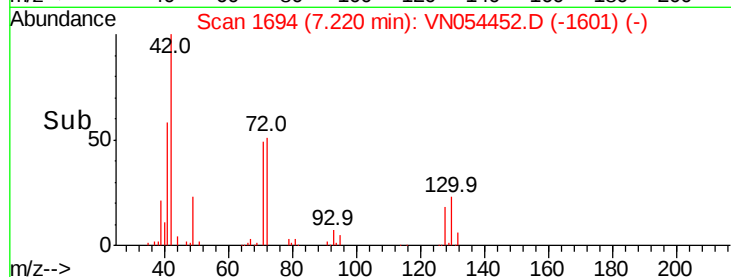
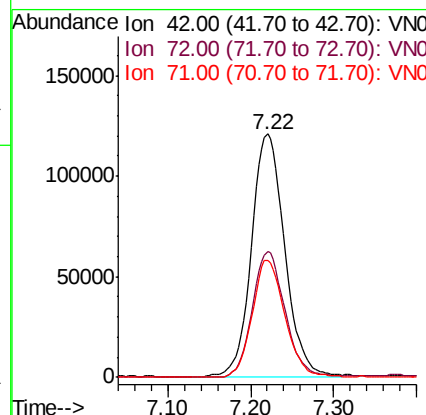
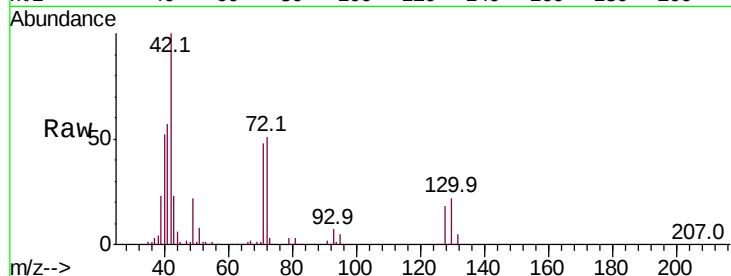
#29
Tetrahydrofuran
Concen: 114.831 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.3	37.8	56.6
71	47.5	36.2	54.2

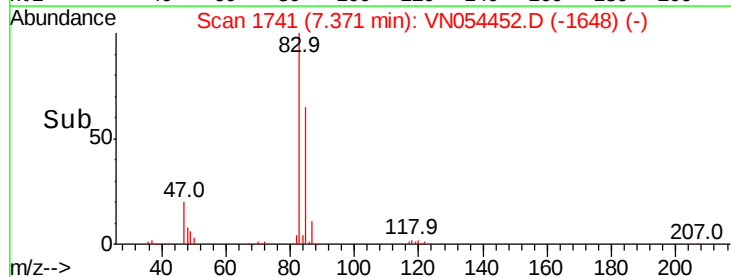
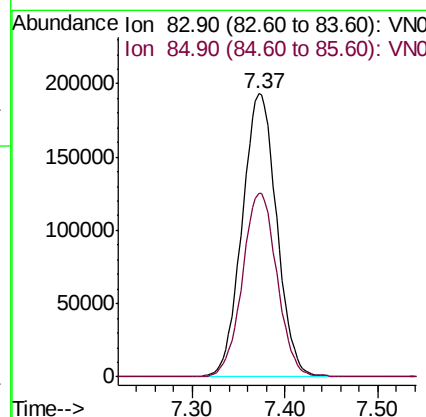
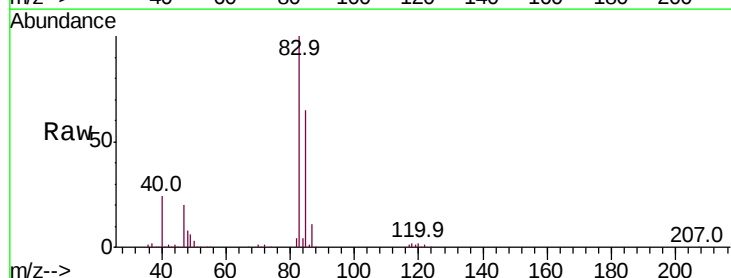
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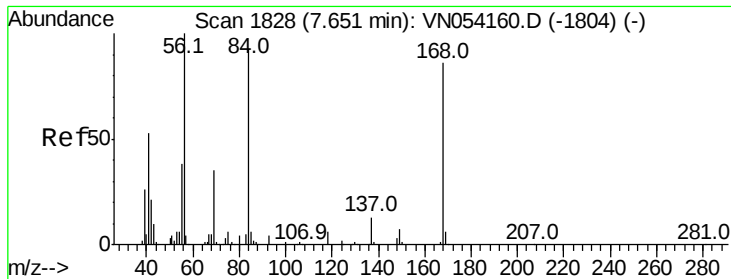
MMDadoda
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#30
Chloroform
Concen: 22.004 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4





#31

Cyclohexane

Concen: 19.791 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

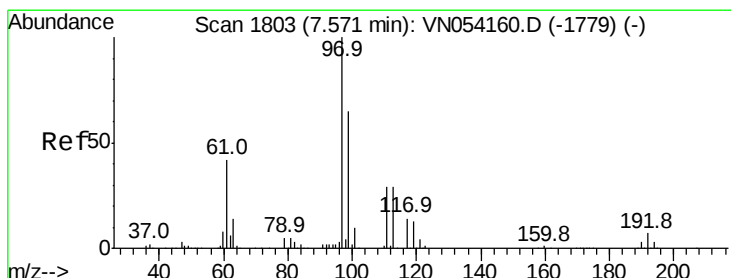
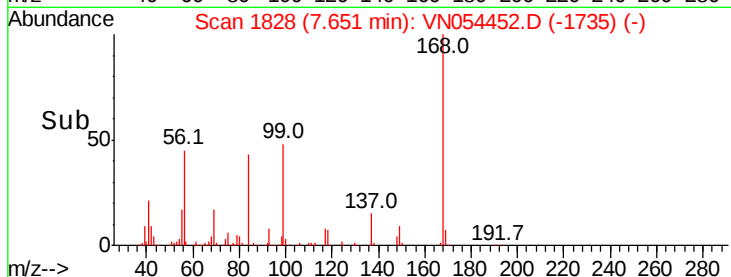
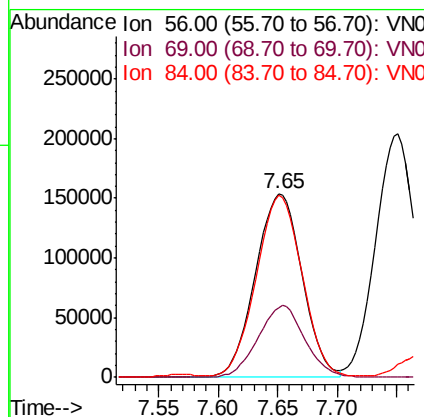
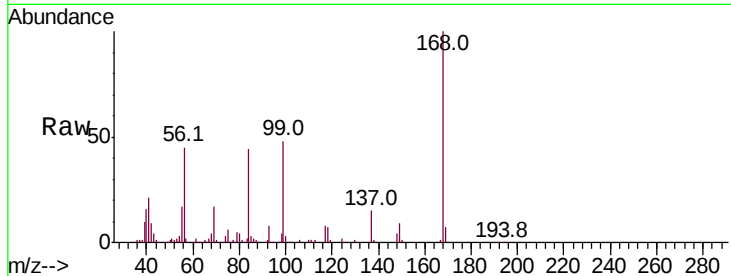
ClientSampleId :

VN0319WBSD01

Tot Ion:	56	Resp:	418255
Ion Ratio		Lower	Upper
56	100		
69	38.0	27.8	41.6
84	97.4	74.6	111.8

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#32

1,1,1-Trichloroethane

Concen: 19.890 ug/l

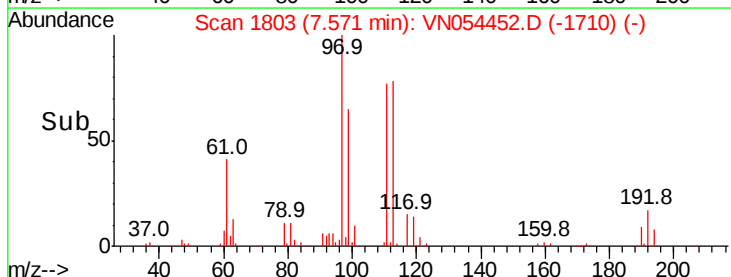
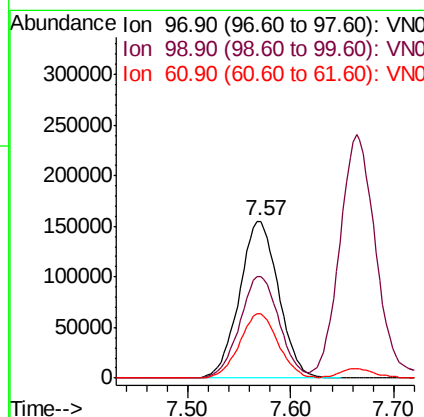
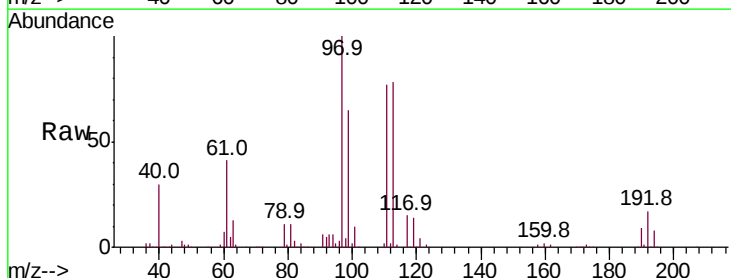
RT: 7.57 min Scan# 1803

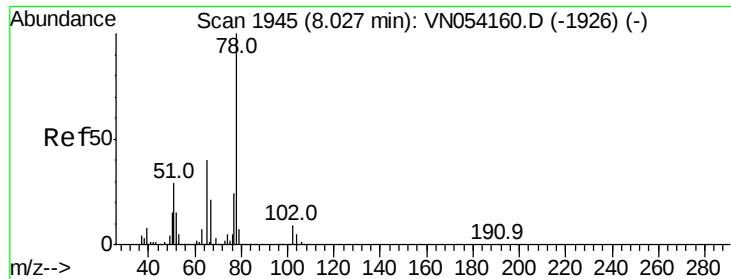
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion:	97	Resp:	408401
Ion Ratio		Lower	Upper
97	100		
99	65.0	51.5	77.3
61	40.6	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 48.025 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 65 Resp: 650563

Ion Ratio Lower Upper

65 100

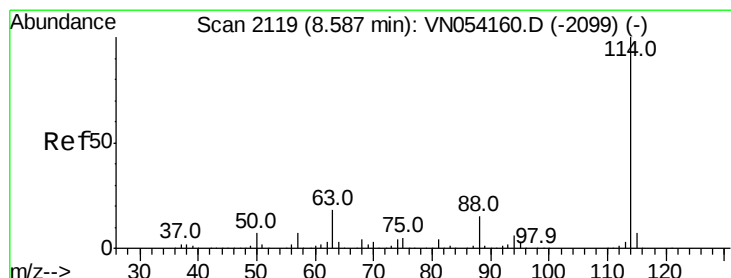
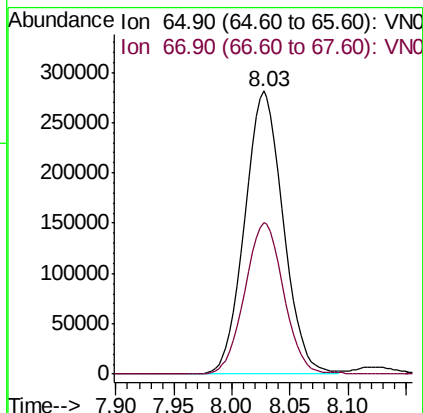
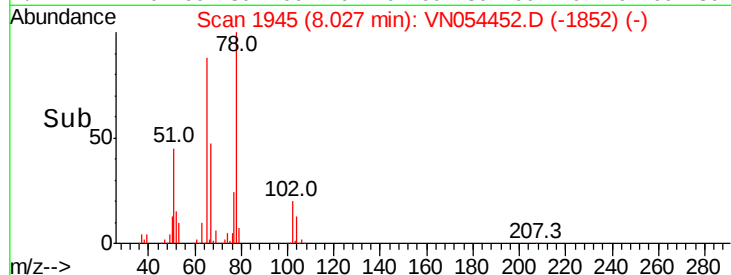
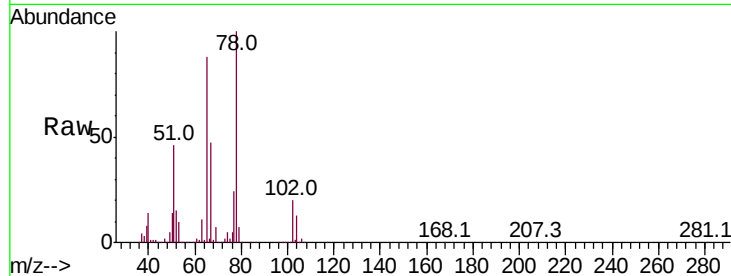
67 53.9 0.0 104.6

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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: VN054452.D

Acq: 19 Mar 2019 20:39

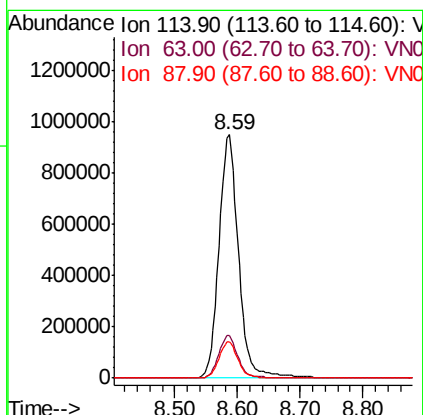
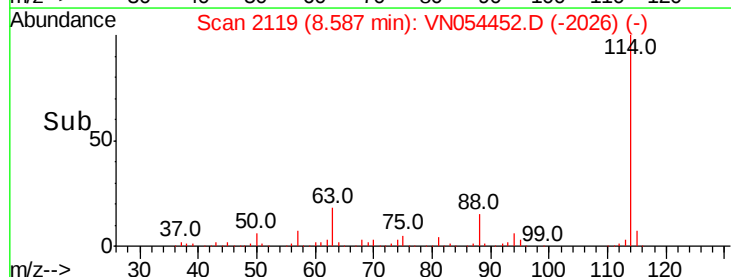
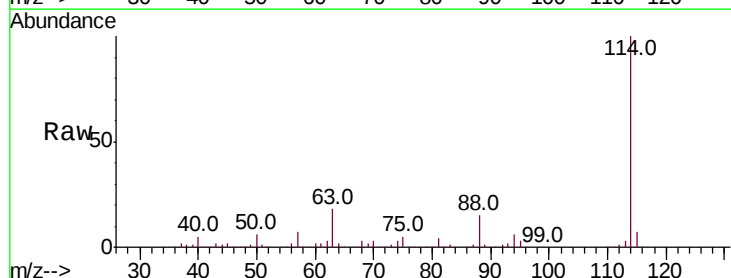
Tgt Ion: 114 Resp: 2064520

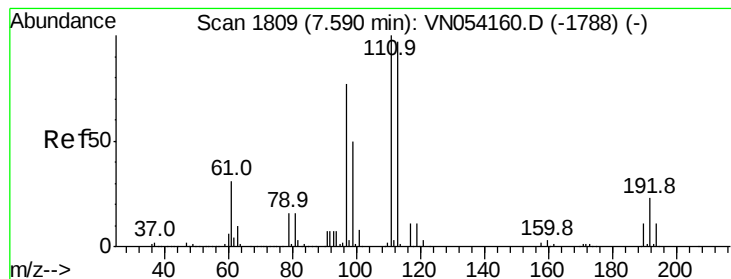
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.267 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

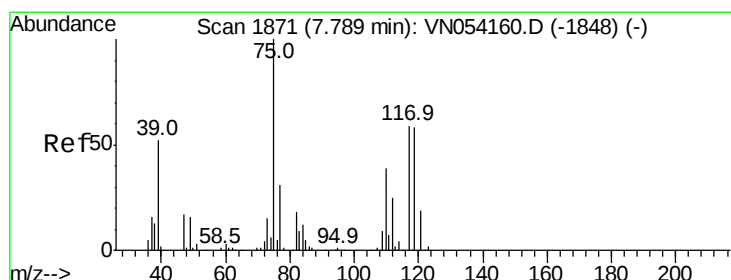
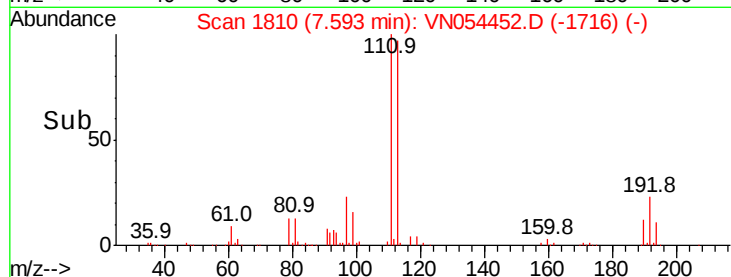
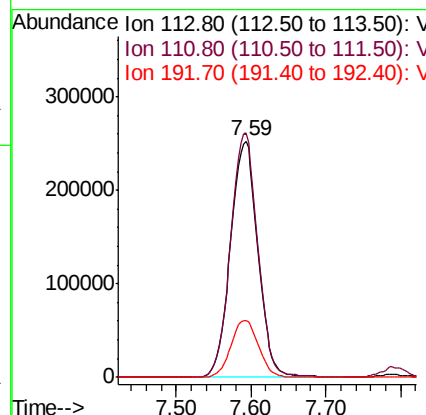
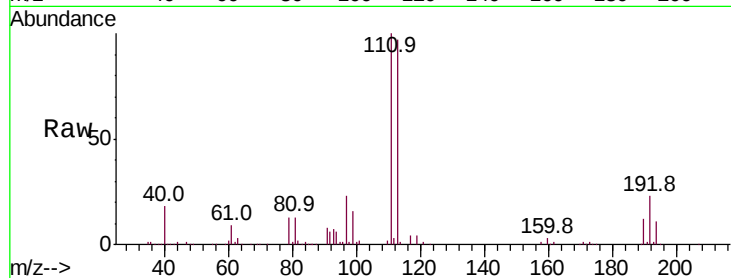
ClientSampleId :

VN0319WBSD01

Tot Ion:	113	Resp:	642696
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.2	123.4
192	24.2	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 19.220 ug/l

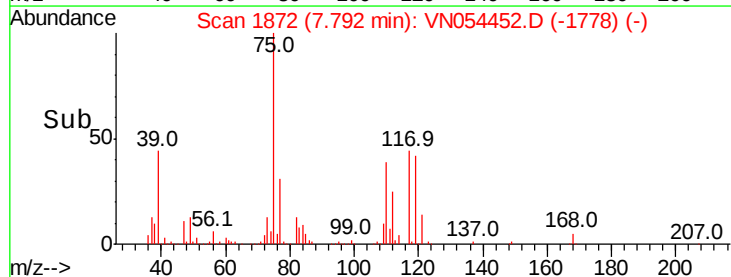
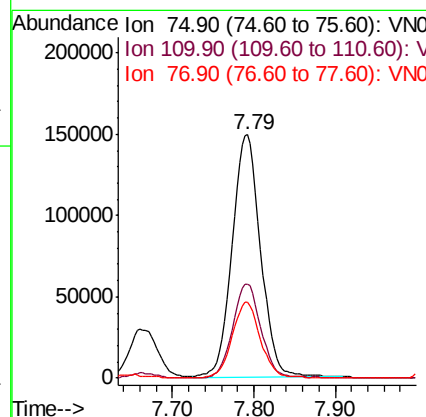
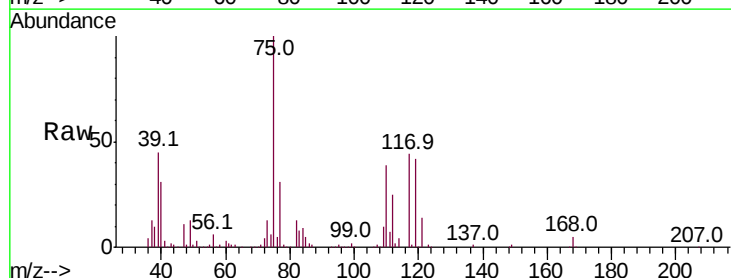
RT: 7.79 min Scan# 1872

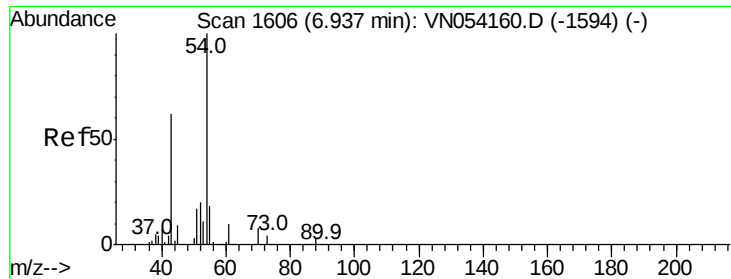
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion:	75	Resp:	365411
Ion Ratio	Lower	Upper	
75	100		
110	38.5	19.1	57.5
77	31.3	25.0	37.4





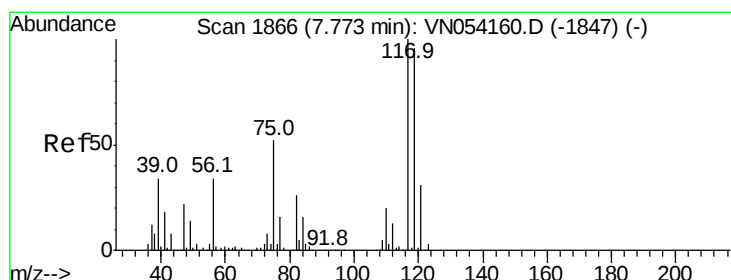
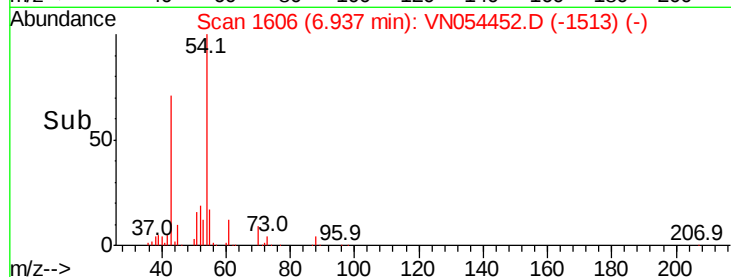
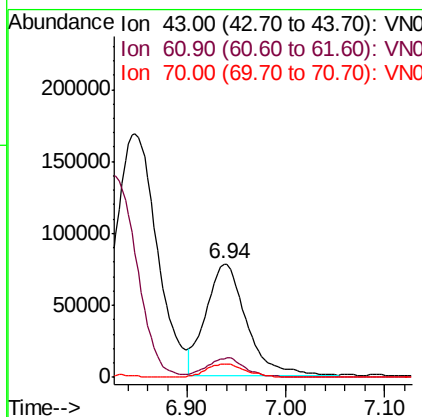
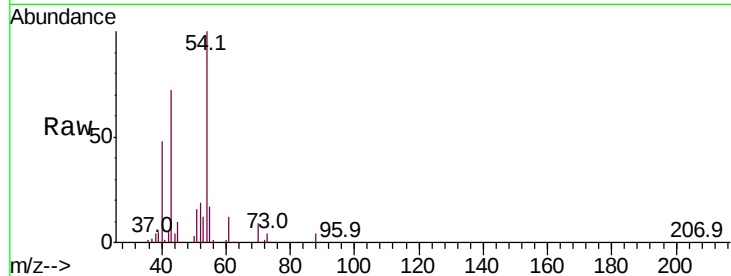
#37
Ethyl Acetate
Concen: 20.350 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	11.4	8.4	12.6

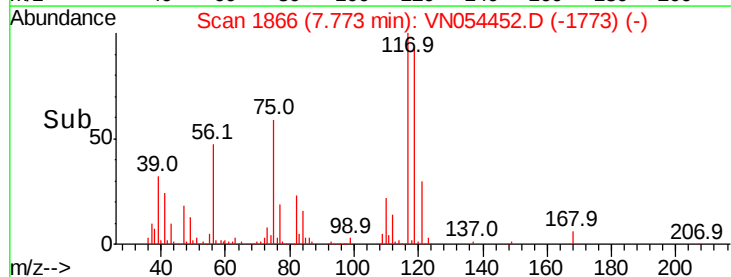
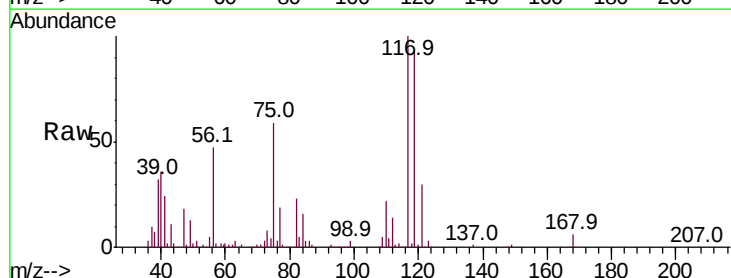
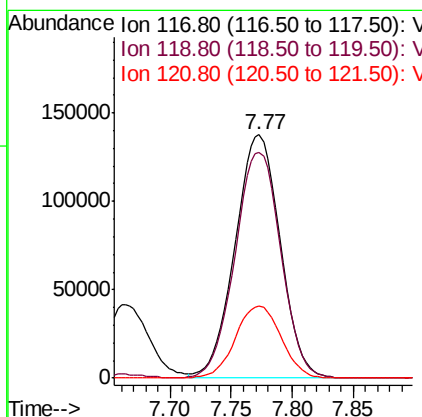
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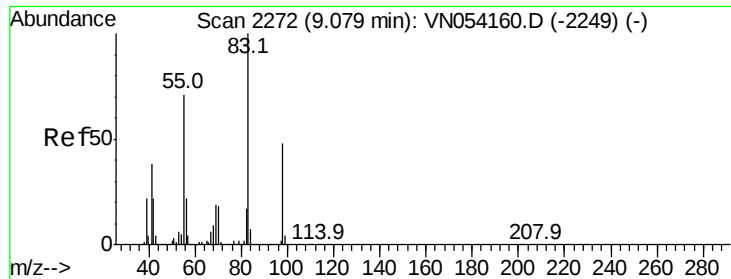
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#38
Carbon Tetrachloride
Concen: 17.588 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.3	114.5
121	29.9	24.6	36.8





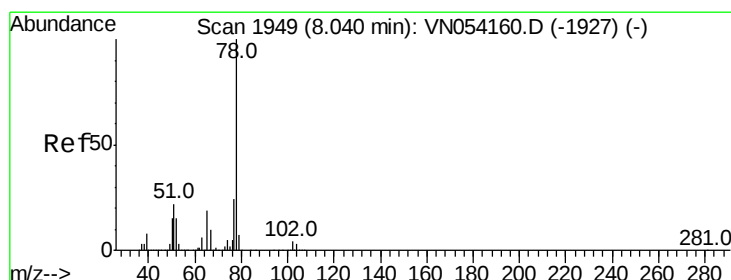
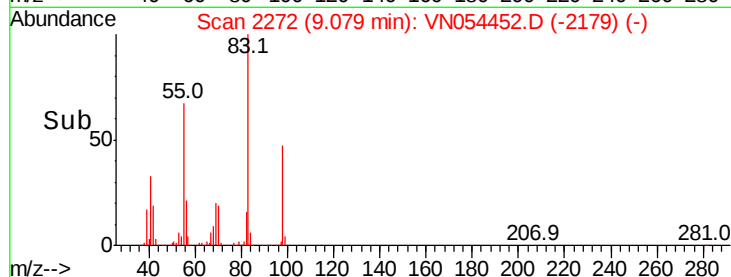
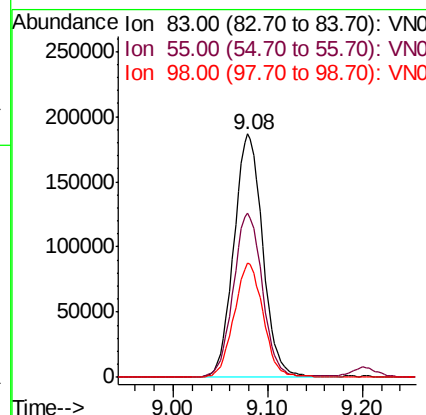
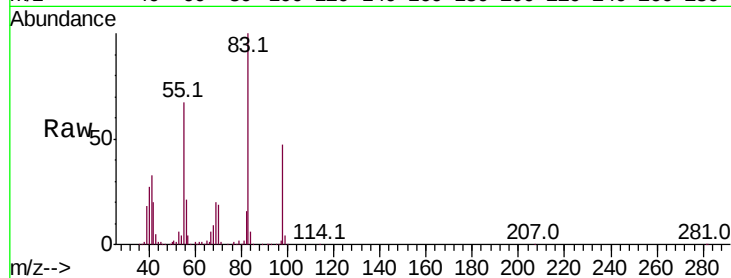
#39
Methvlcvclohexane
Concen: 16.982 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	56.6	84.8
98	47.1	38.4	57.6

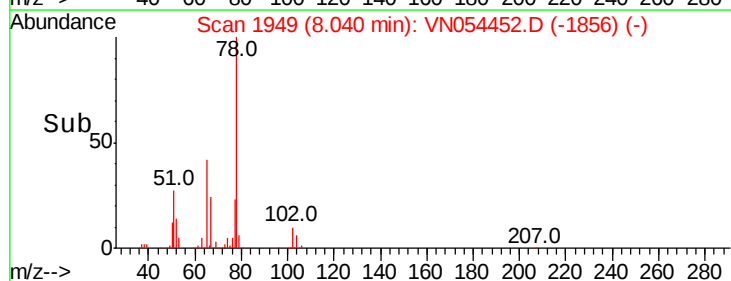
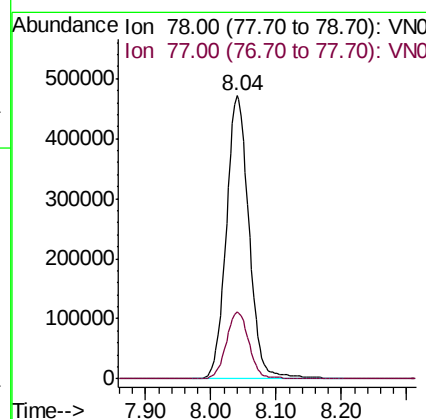
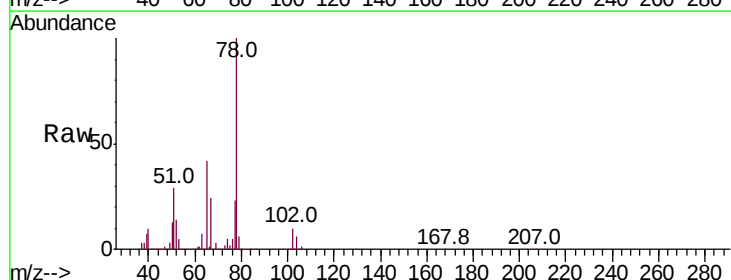
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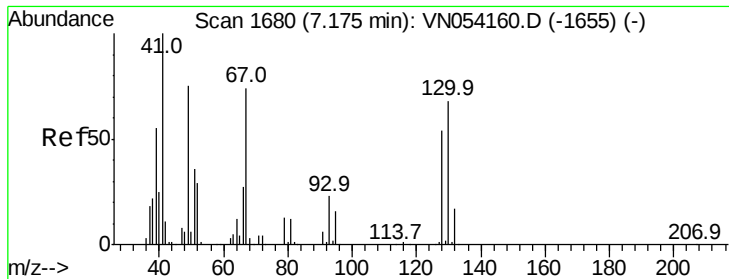
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#40
Benzene
Concen: 20.927 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





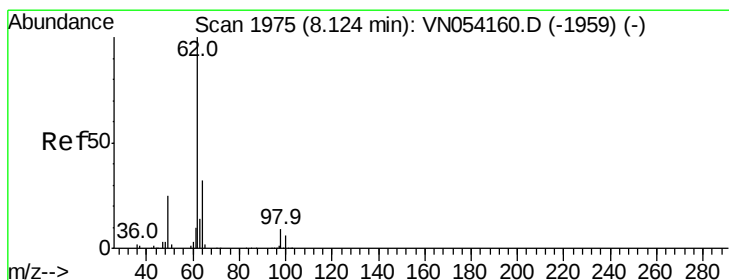
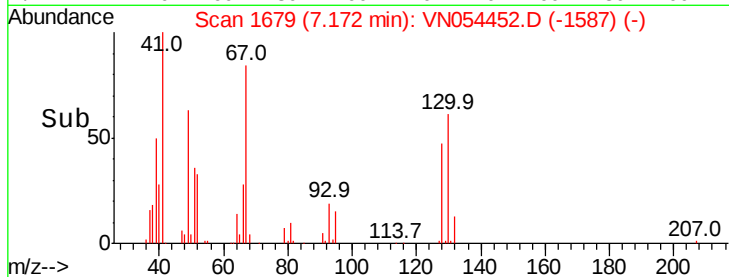
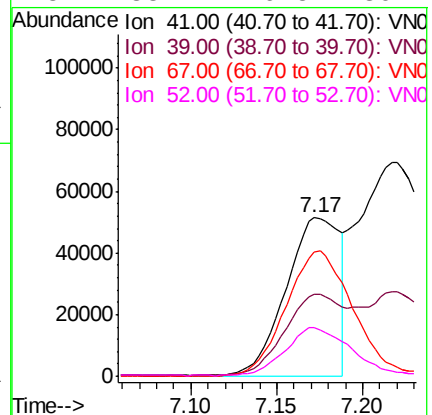
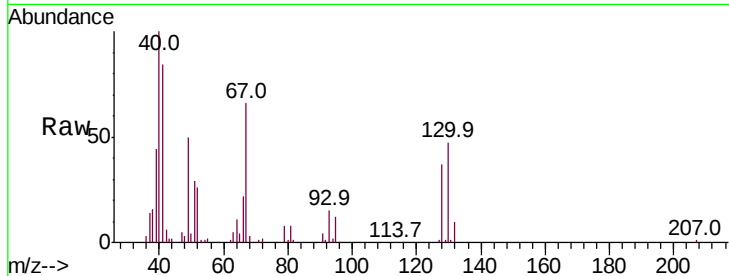
#41
Methacrylonitrile
Concen: 17.860 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	46.8	70.2	
67	100.3	67.0	100.4	
52	38.2	26.5	39.7	

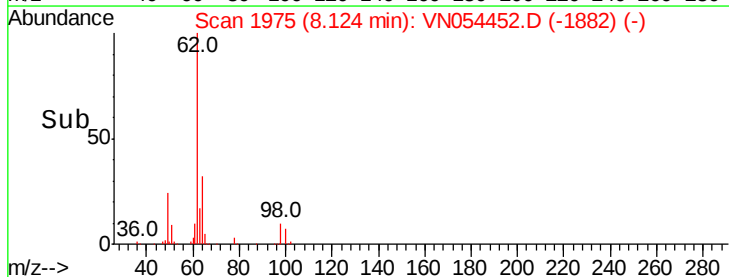
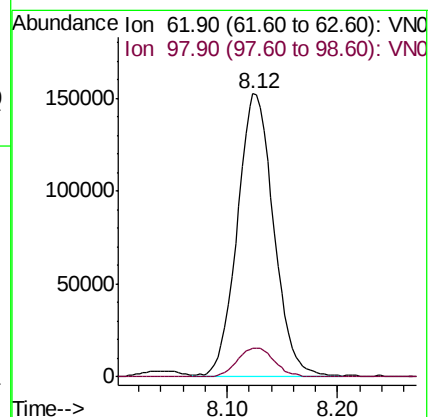
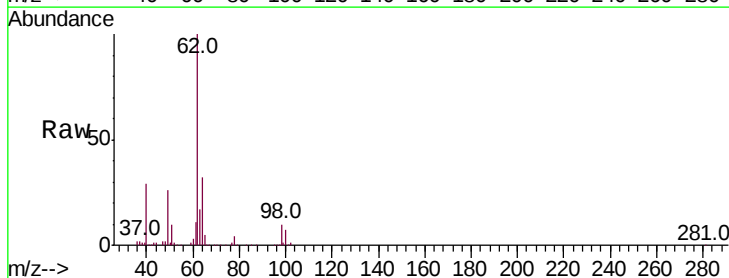
Manual Integrations
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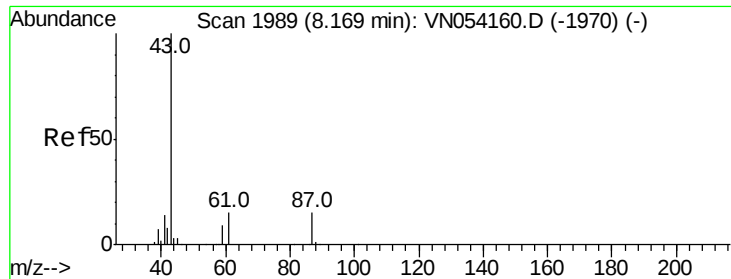
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.846 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	18.4	





#43

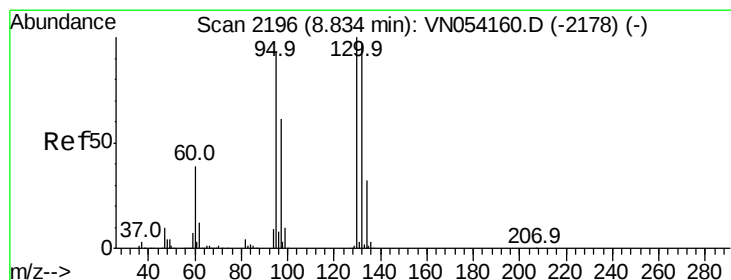
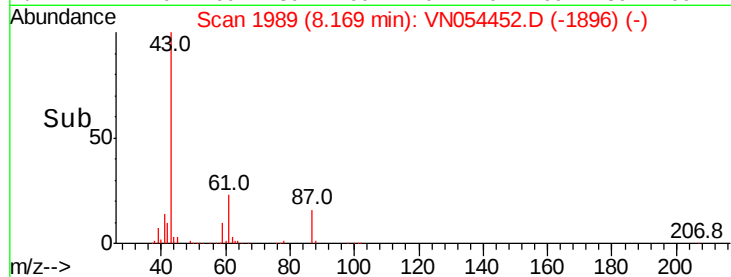
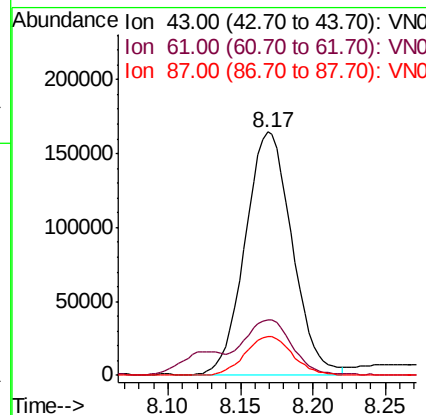
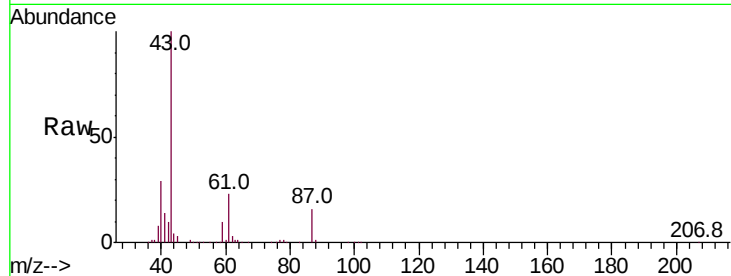
Isopropyl Acetate
 Concen: 19.239 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.7	15.8	23.8
87	16.4	12.0	18.0

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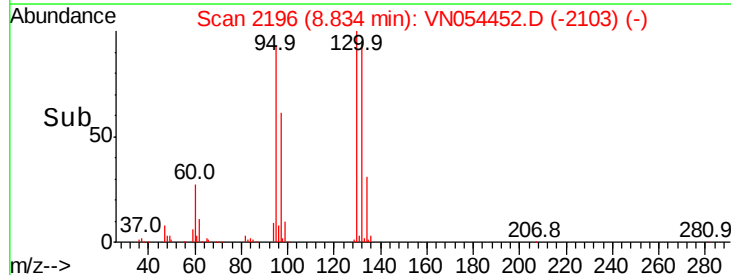
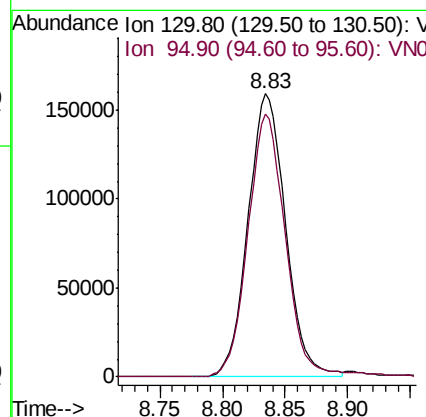
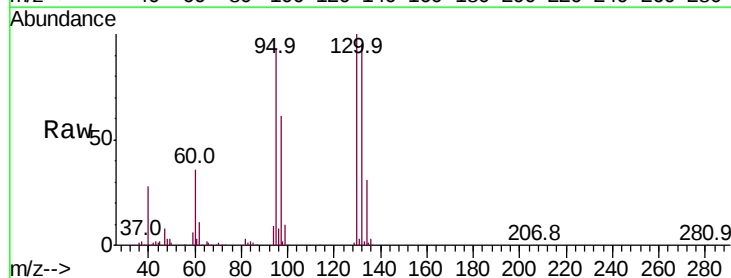
MMDadoda
 3/20/2019 12:21:57 PM

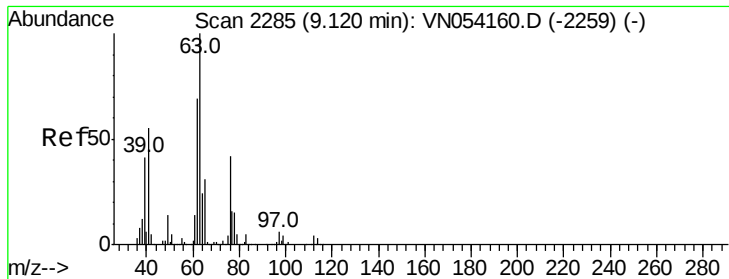


#44

Trichloroethene
 Concen: 19.602 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	185.2





#45

1,2-Dichloropropane

Concen: 21.595 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 63 Resp: 291743

Ion Ratio Lower Upper

63 100

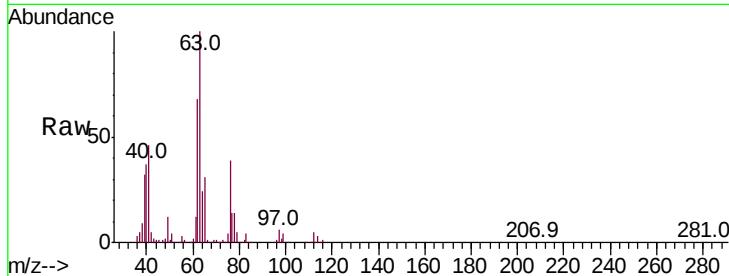
65 31.1 25.0 37.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

150000

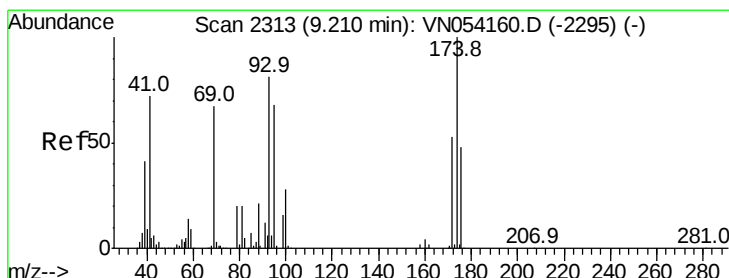
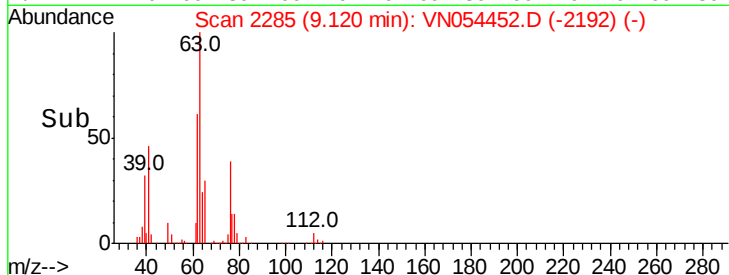
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 20.069 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

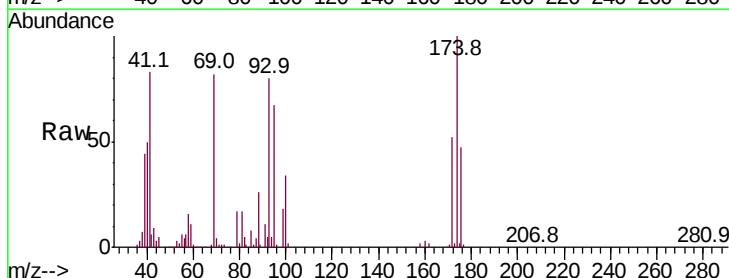
Tgt Ion: 93 Resp: 183187

Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

174 125.6 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

150000

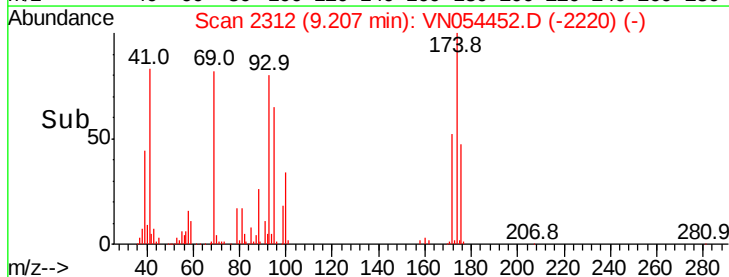
100000

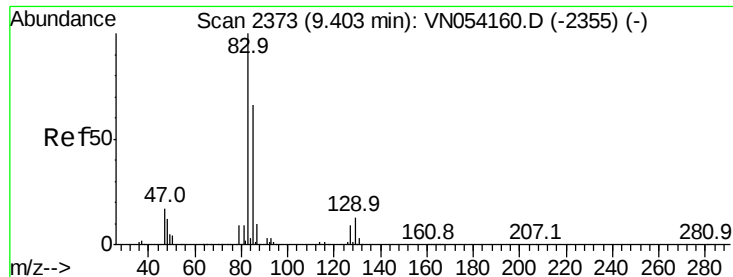
50000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 18.957 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

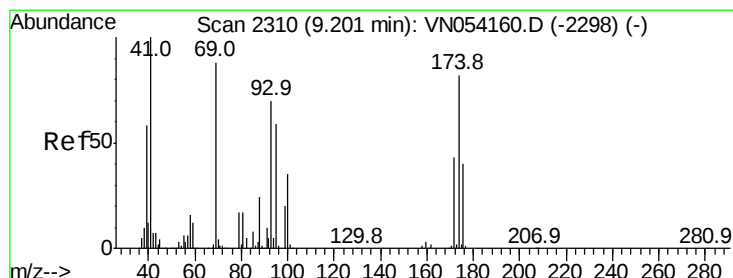
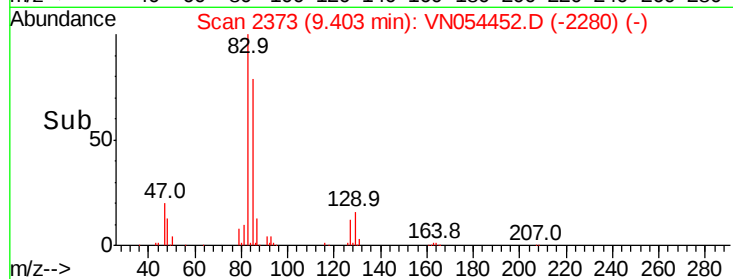
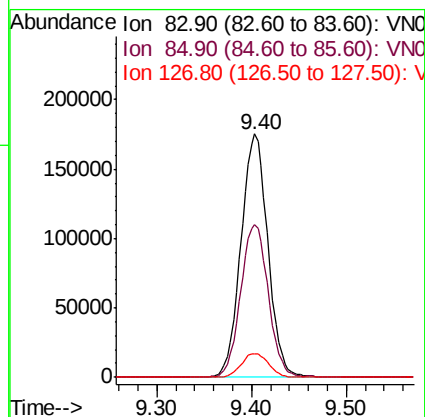
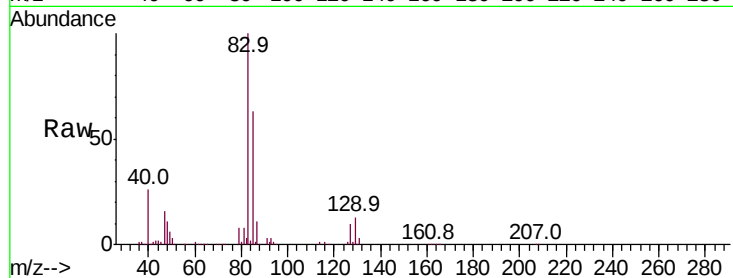
ClientSampleId :

VN0319WBSD01

Tot Ion:	83	Resp:	346886
Ion Ratio	Lower	Upper	
83	100		
85	62.8	52.8	79.2
127	9.8	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.091 ug/l

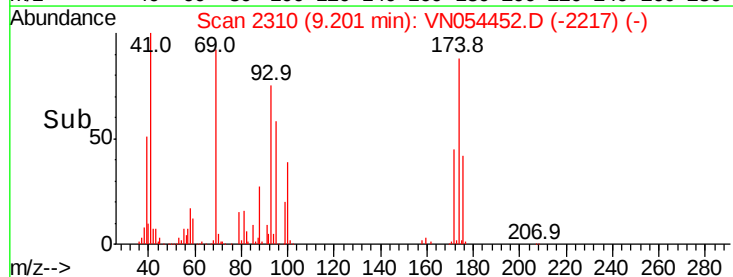
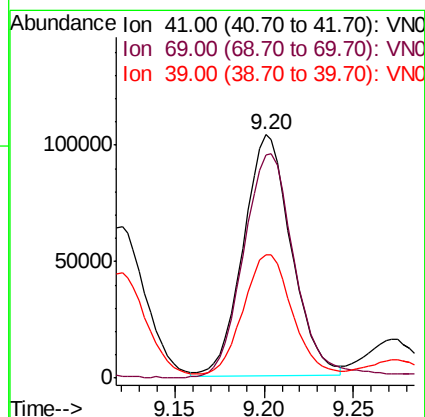
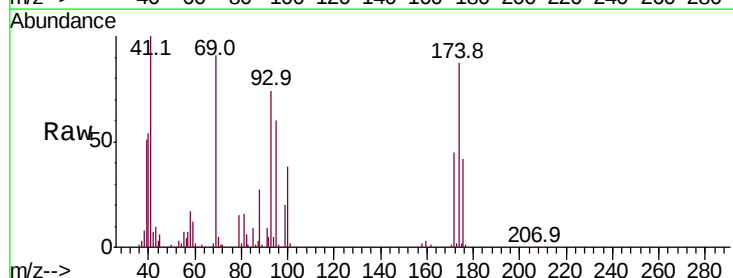
RT: 9.20 min Scan# 2310

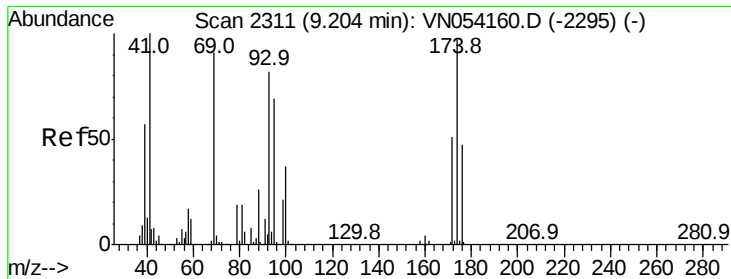
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion:	41	Resp:	195505
Ion Ratio	Lower	Upper	
41	100		
69	99.7	72.6	108.8
39	51.9	47.5	71.3





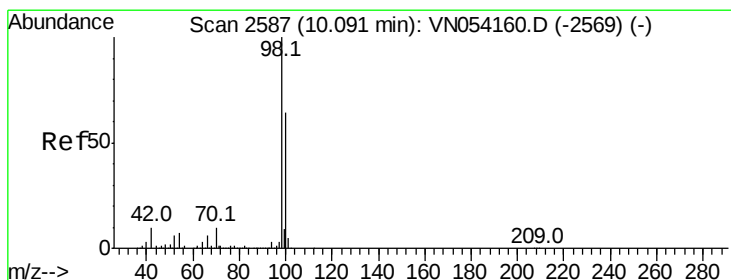
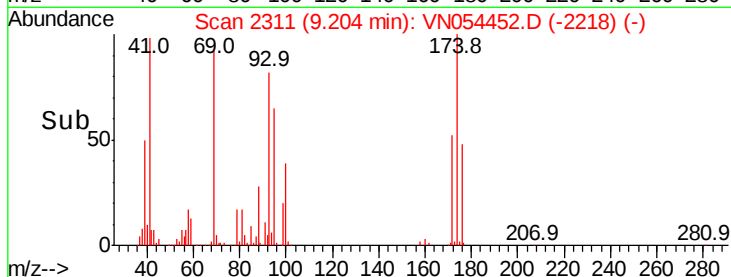
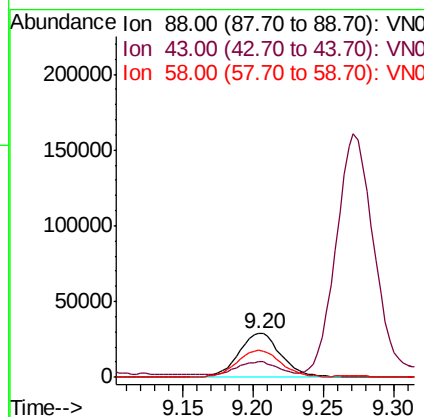
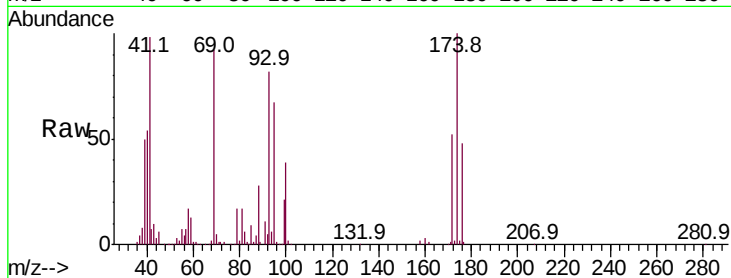
#49
1,4-Dioxane
Concen: 444.723 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.0	24.1	36.1
58	64.1	50.8	76.2

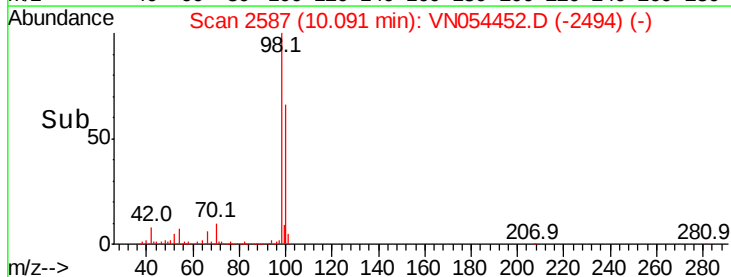
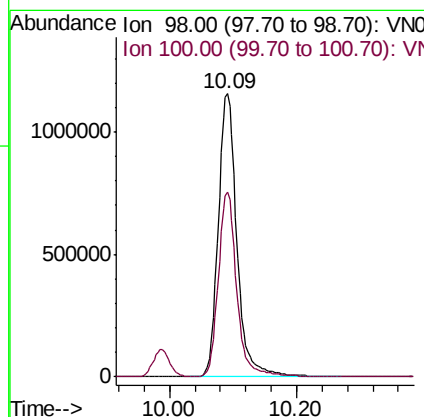
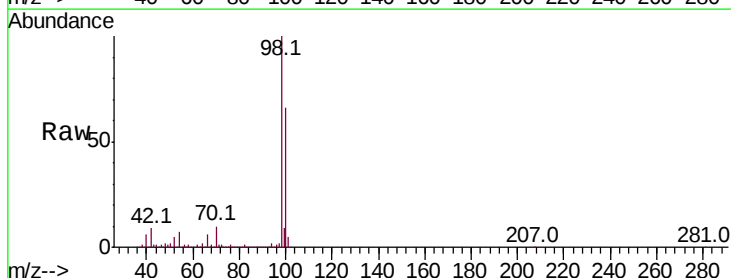
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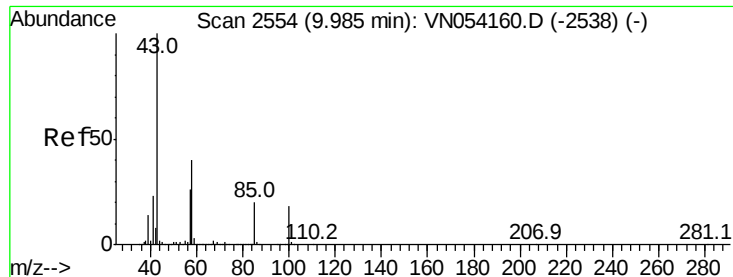
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#50
Toluene-d8
Concen: 47.835 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 107.631 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 43 Resp: 1092205

Ion Ratio Lower Upper

43 100

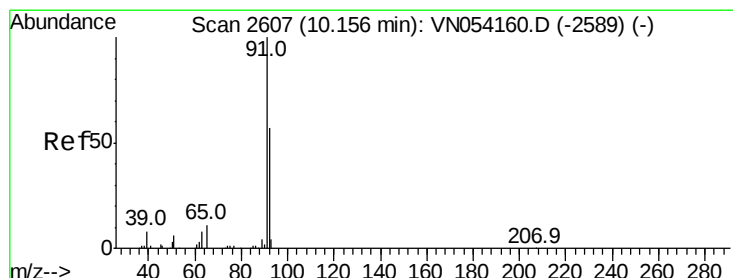
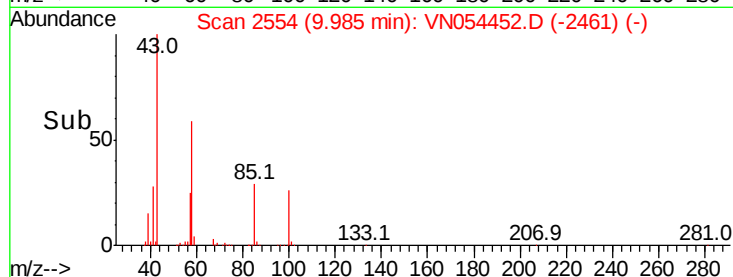
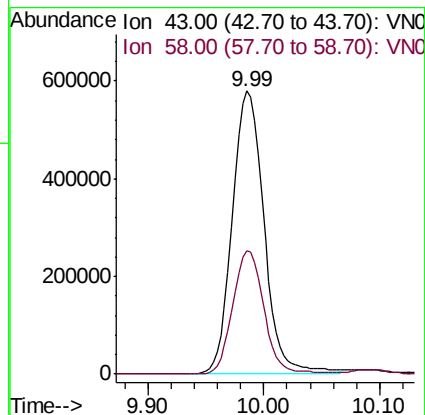
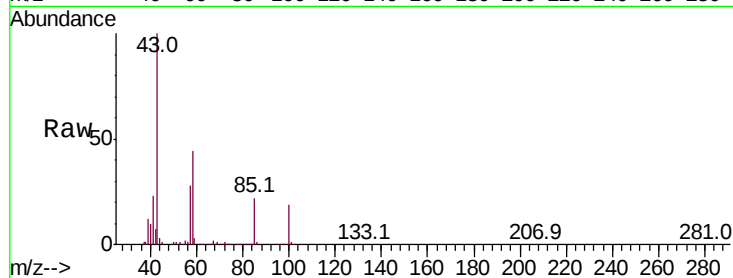
58 43.3 31.8 47.6

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#52

Toluene

Concen: 20.577 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054452.D

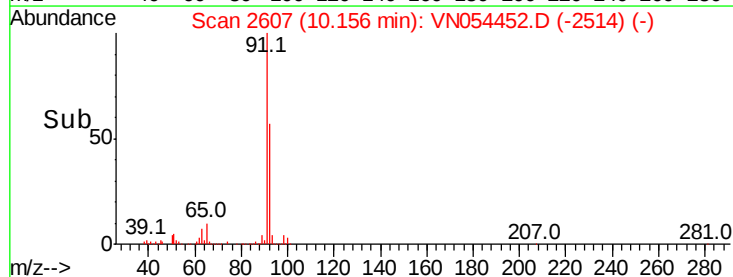
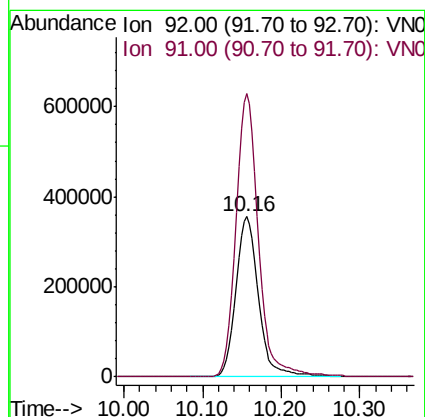
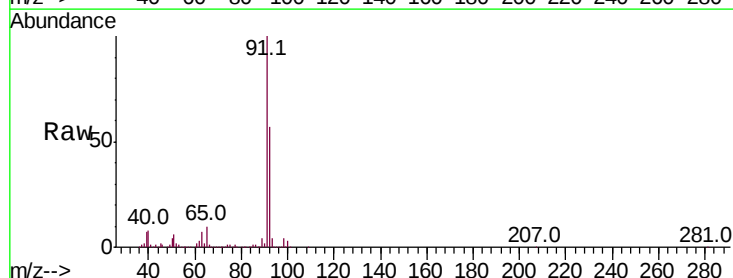
Acq: 19 Mar 2019 20:39

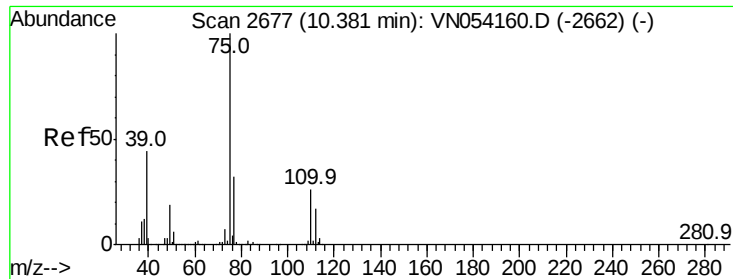
Tgt Ion: 92 Resp: 709858

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 16.460 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion: 75 Resp: 315463

Ion Ratio Lower Upper

75 100

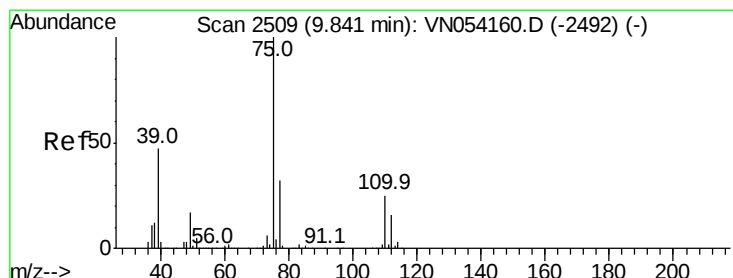
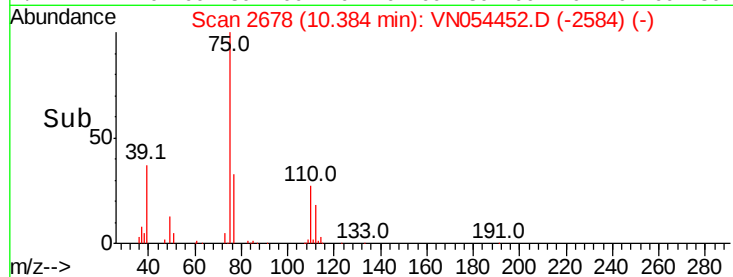
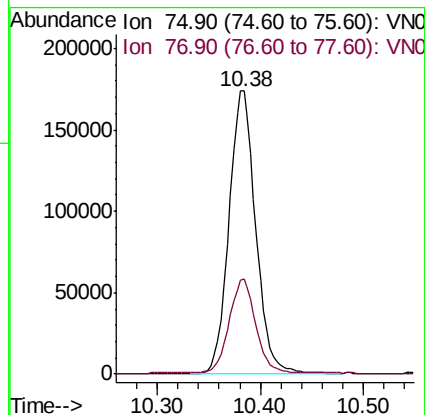
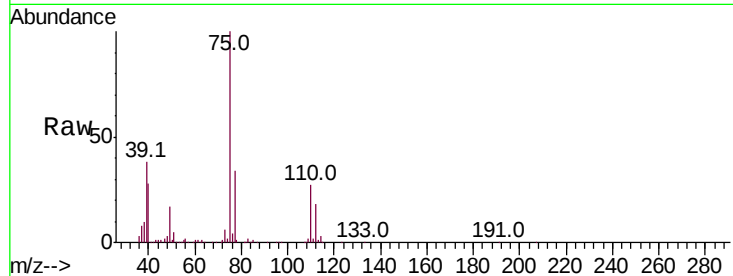
77 33.2 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.712 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

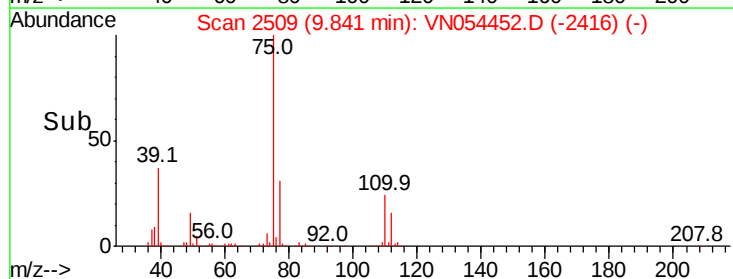
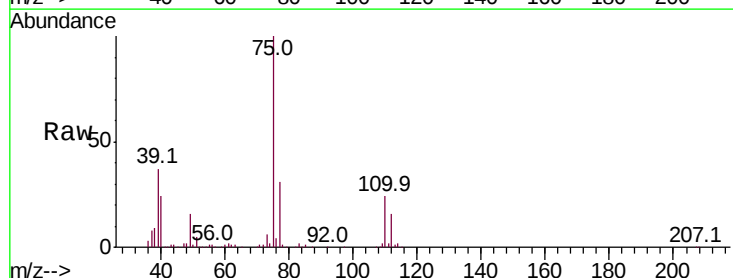
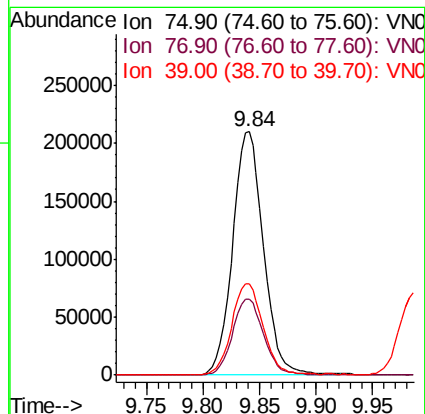
Tgt Ion: 75 Resp: 399014

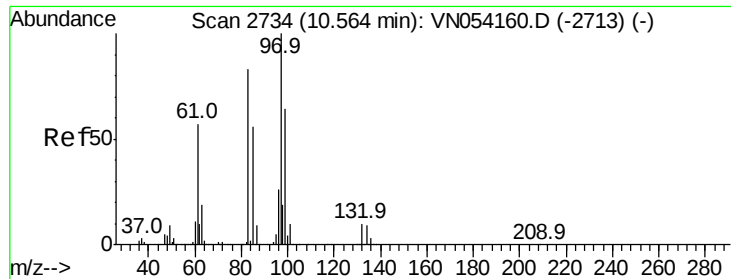
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 37.3 37.2 55.8





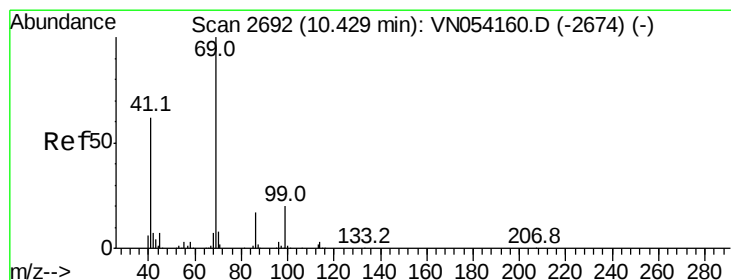
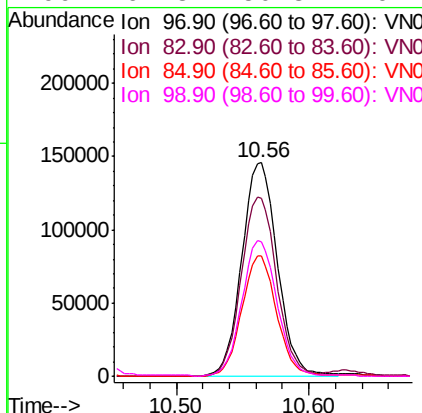
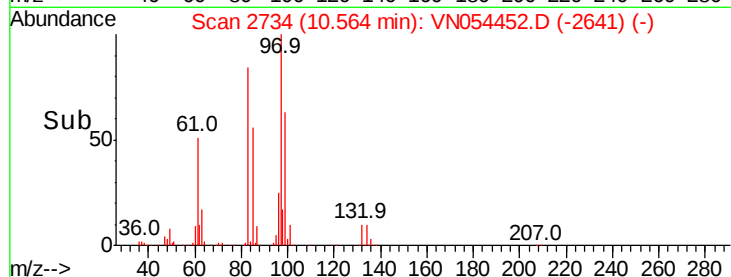
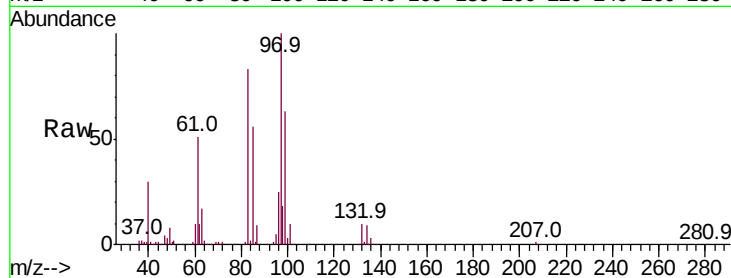
#55
 1,1,2-Trichloroethane
 Concen: 21.549 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.4	66.6	100.0
85	56.0	44.4	66.6
99	62.8	50.8	76.2

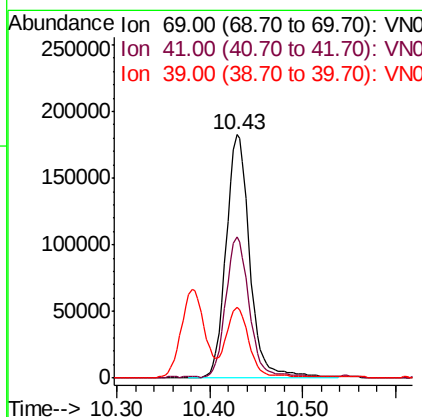
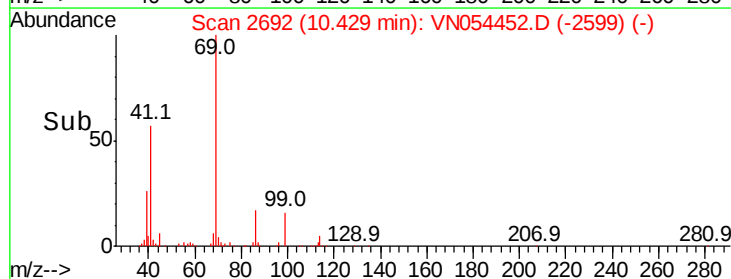
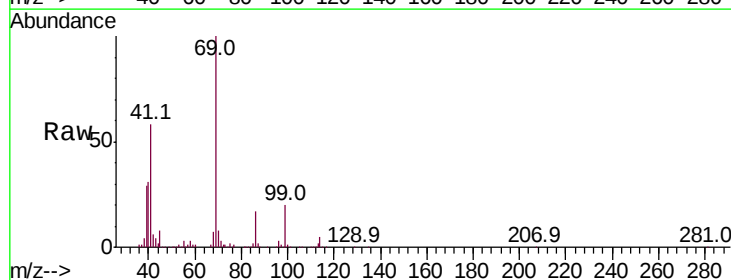
Manual Integrations
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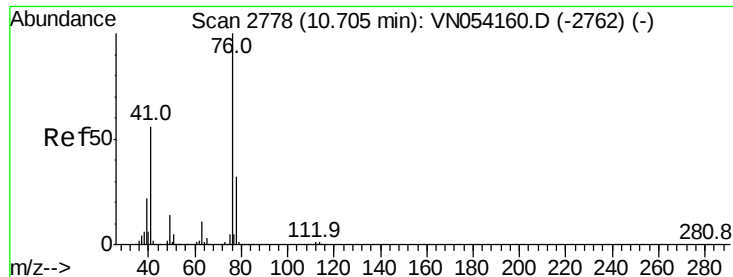
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#56
 Ethyl methacrylate
 Concen: 21.603 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	56.6	49.4	74.2
39	26.3	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 21.258 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

VN0319WBSD01

Tot Ion: 76 Resp: 437838

Ion Ratio Lower Upper

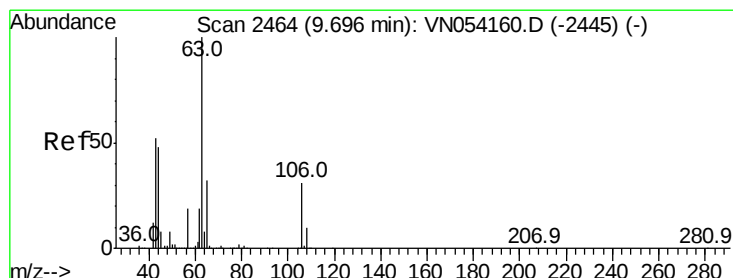
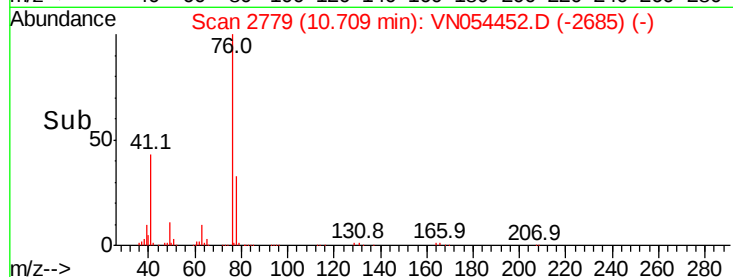
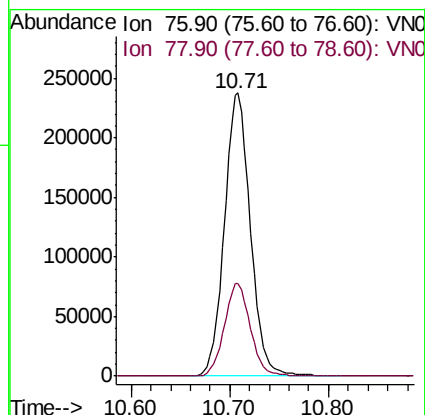
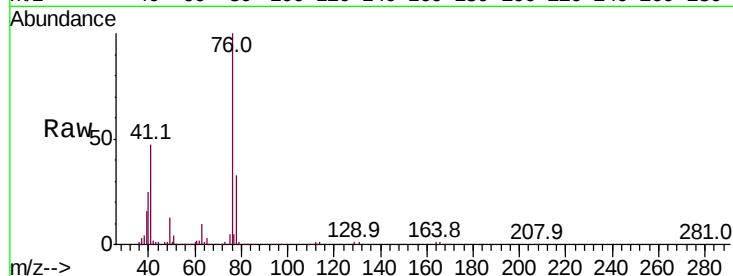
76 100

78 32.8 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 106.719 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054452.D

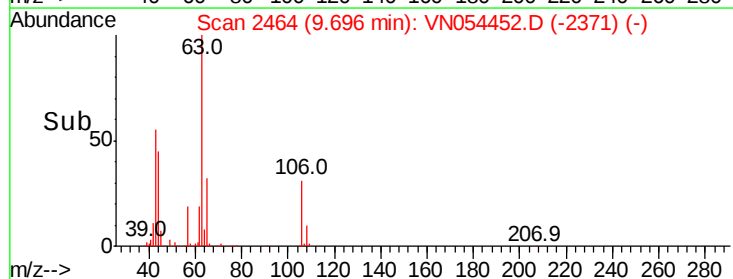
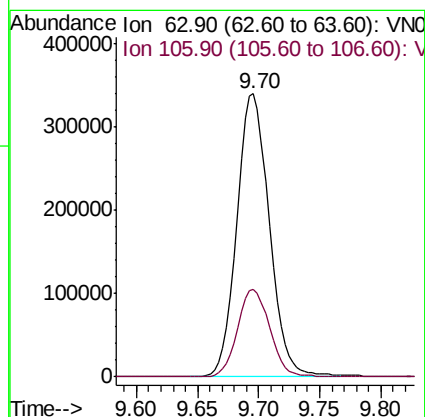
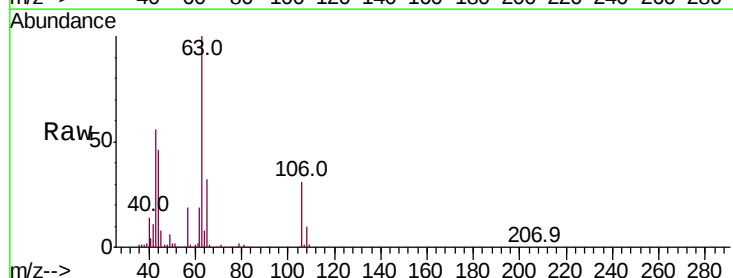
Acq: 19 Mar 2019 20:39

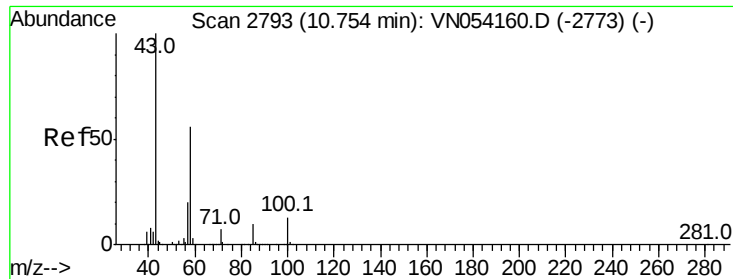
Tgt Ion: 63 Resp: 628007

Ion Ratio Lower Upper

63 100

106 30.9 24.4 36.6





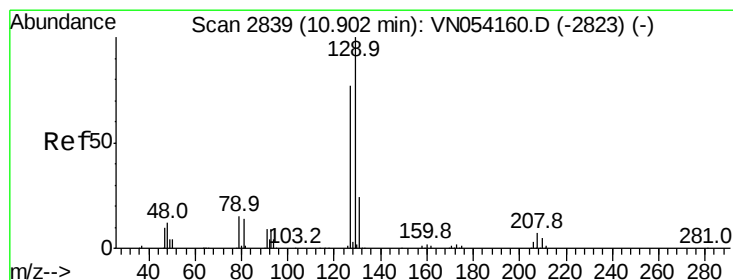
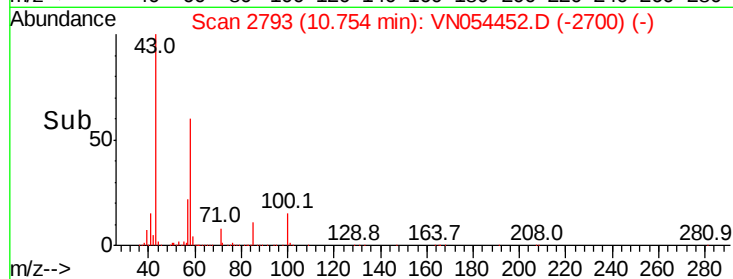
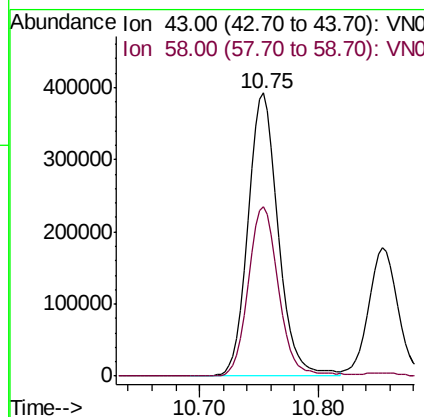
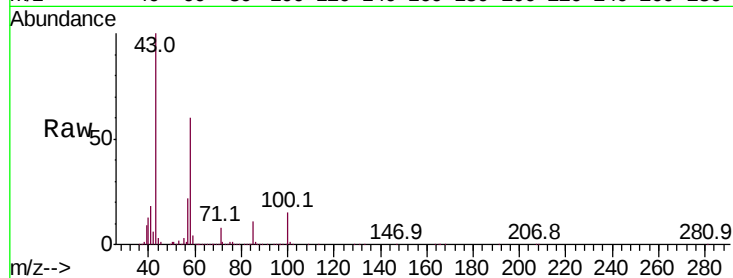
#59
2-Hexanone
Concen: 101.361 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion: 43 Resp: 684411
Ion Ratio Lower Upper
43 100
58 60.7 28.0 83.9

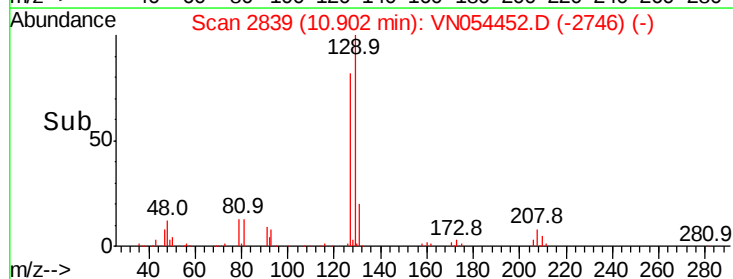
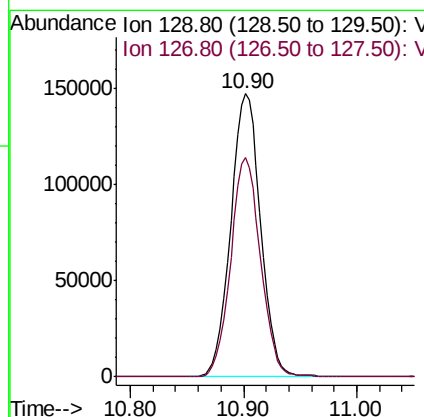
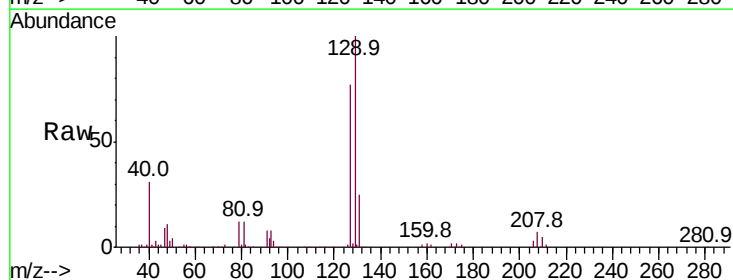
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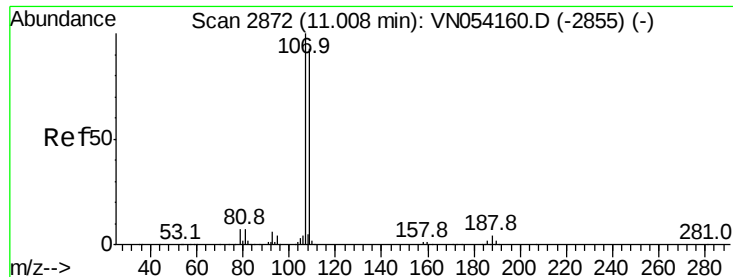
MMDadoda
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#60
Dibromochloromethane
Concen: 19.088 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 129 Resp: 270624
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





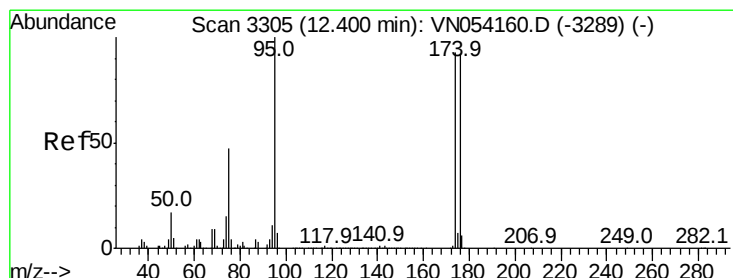
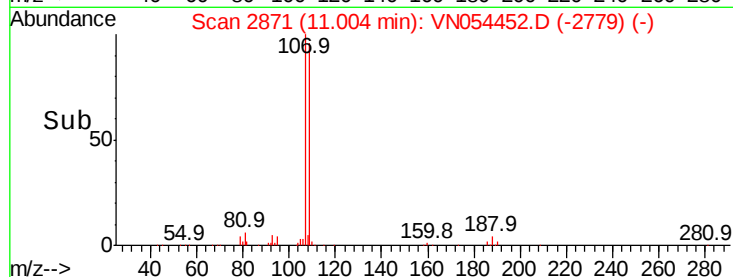
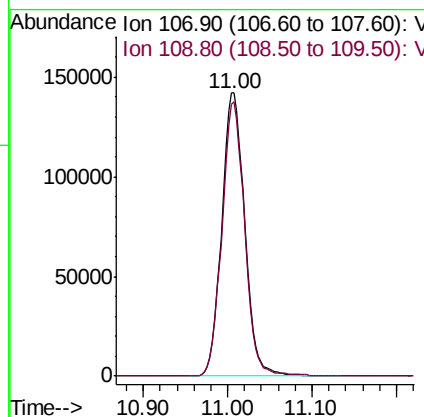
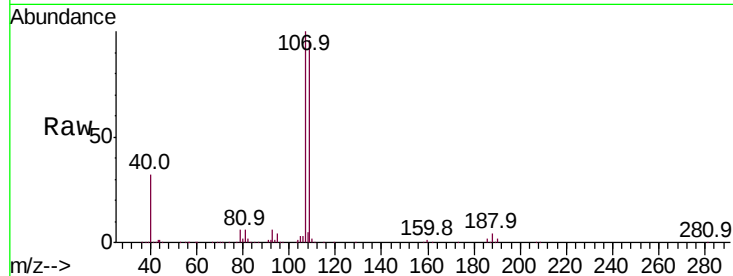
#61
 1,2-Dibromoethane
 Concen: 21.040 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.9	113.9

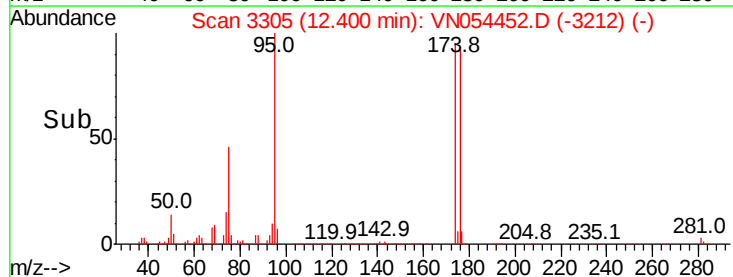
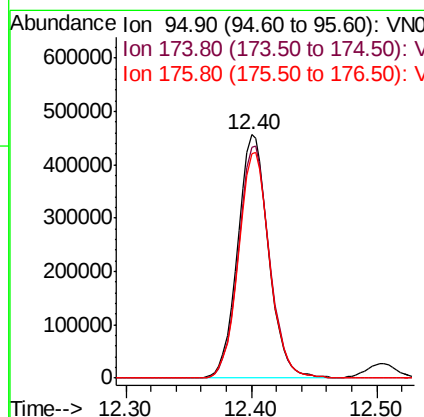
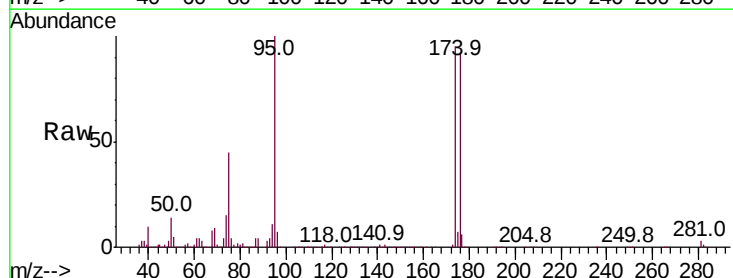
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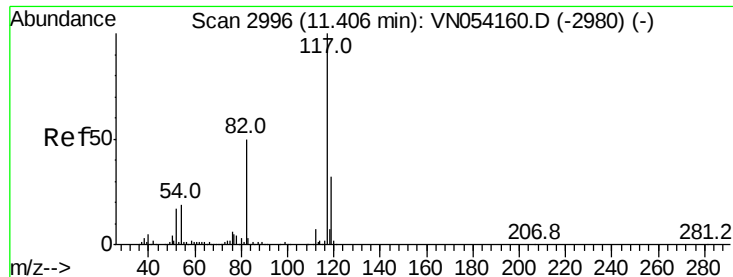
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#62
 4-Bromofluorobenzene
 Concen: 45.173 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.1	0.0	191.0
176	93.8	0.0	187.4





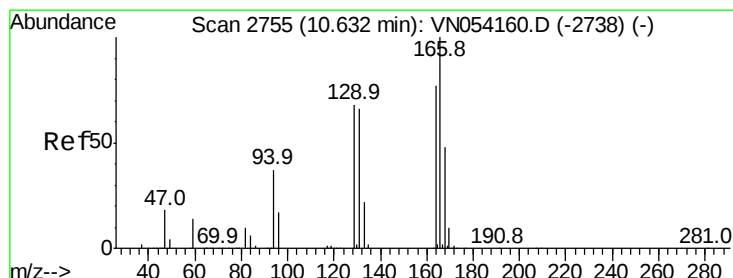
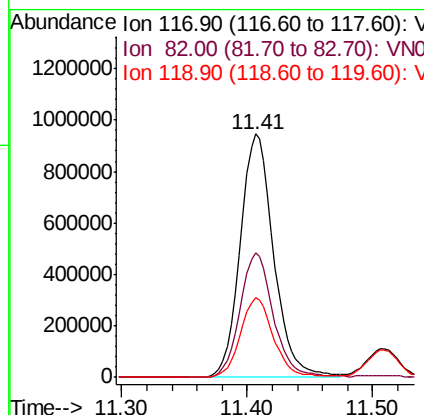
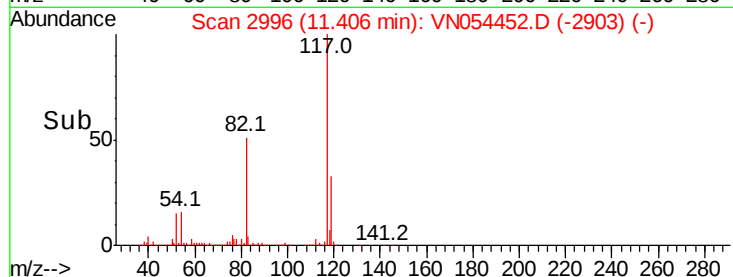
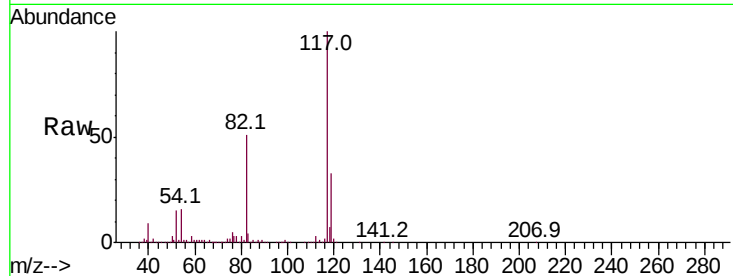
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion:117 Resp: 1756876
Ion Ratio Lower Upper
117 100
82 51.0 40.0 60.0
119 32.7 25.8 38.6

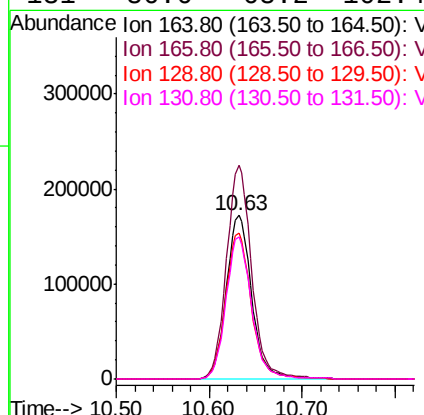
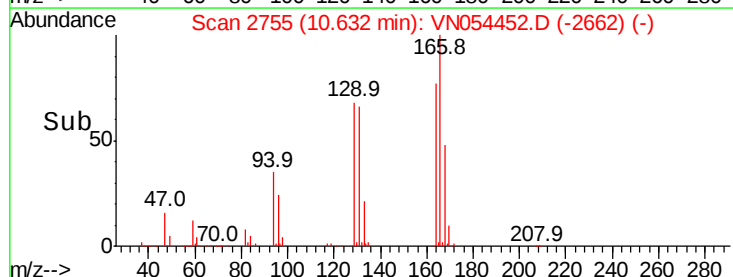
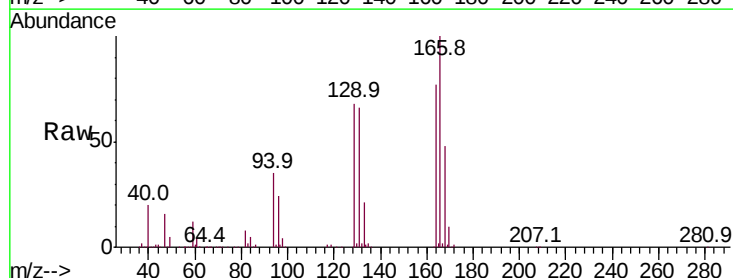
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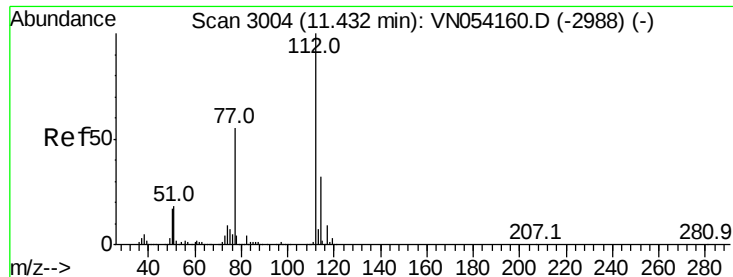
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#64
Tetrachloroethene
Concen: 19.348 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion:164 Resp: 328648
Ion Ratio Lower Upper
164 100
166 130.5 103.9 155.9
129 89.0 71.1 106.7
131 86.6 68.2 102.4





#65

Chlorobenzene

Concen: 20.947 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion:112 Resp: 808076

Ion Ratio Lower Upper

112 100

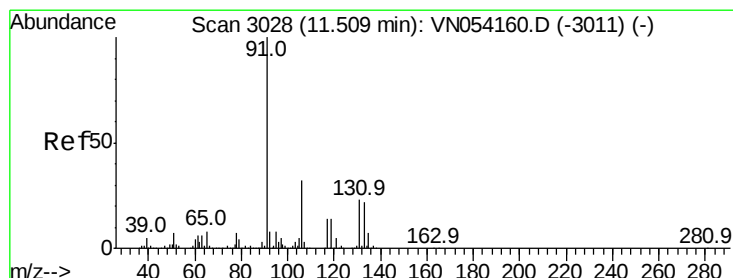
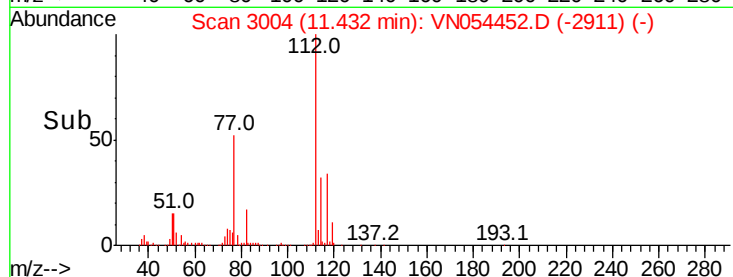
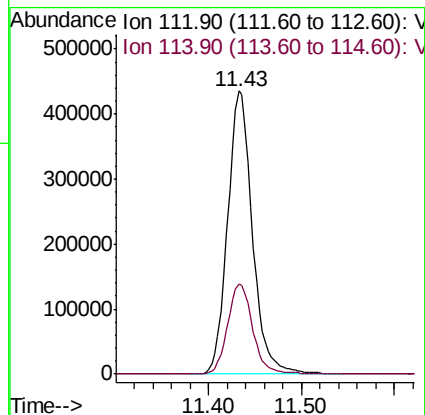
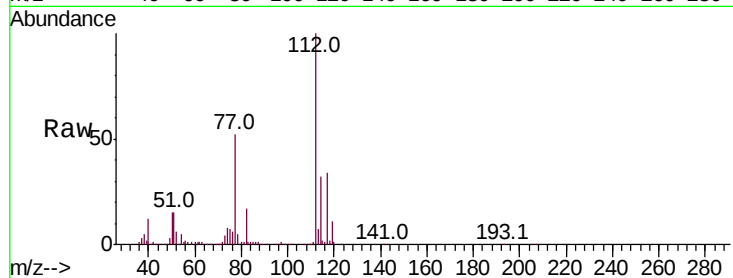
114 31.7 25.9 38.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.341 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

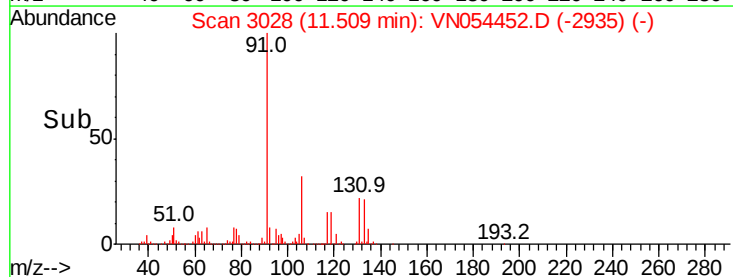
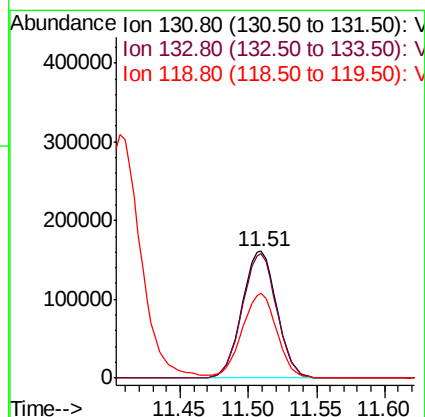
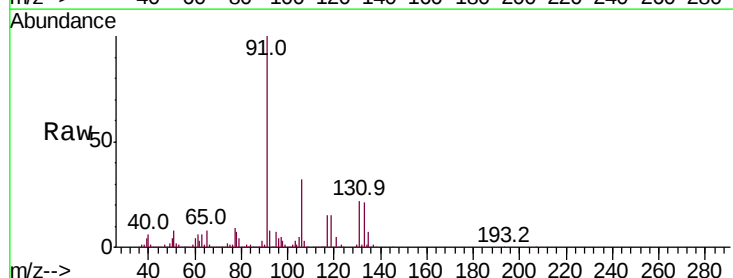
Tgt Ion:131 Resp: 285051

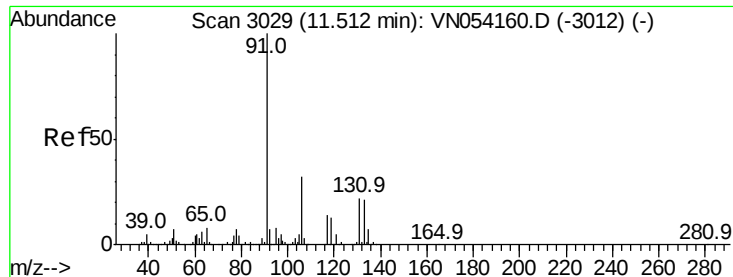
Ion Ratio Lower Upper

131 100

133 97.1 47.6 142.9

119 67.1 32.4 97.0





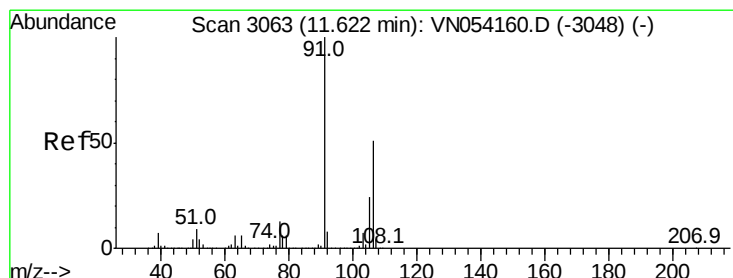
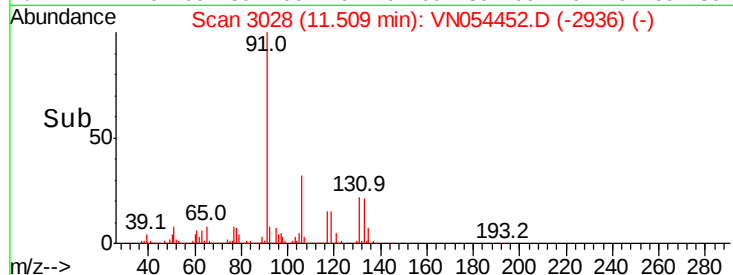
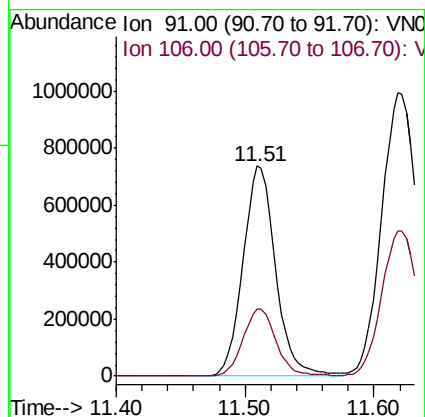
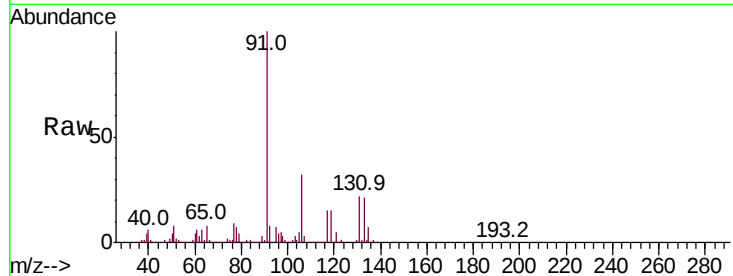
#67
Ethyl Benzene
Concen: 20.311 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion: 91 Resp: 1298810
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3

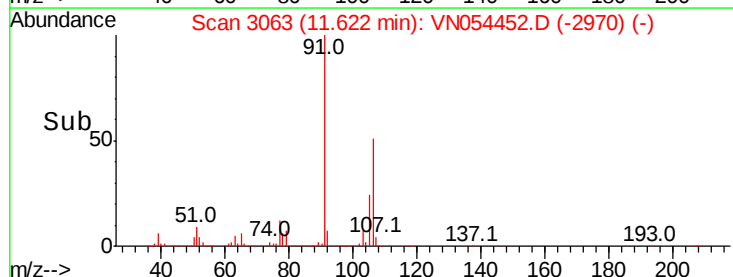
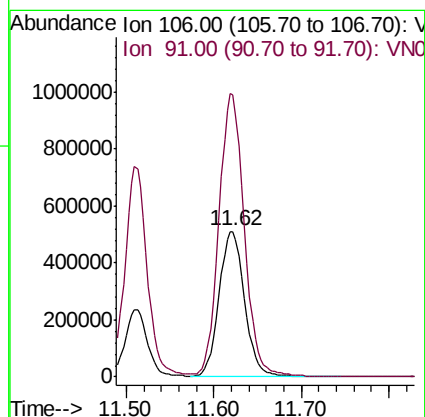
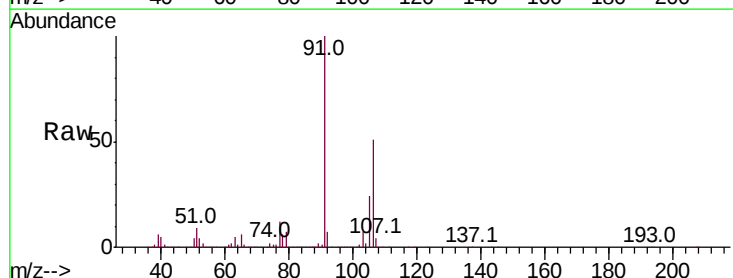
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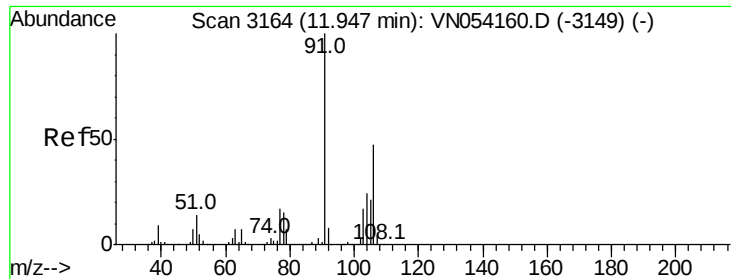
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#68
m/p-Xylenes
Concen: 41.357 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion: 106 Resp: 1033647
Ion Ratio Lower Upper
106 100
91 194.0 159.4 239.2





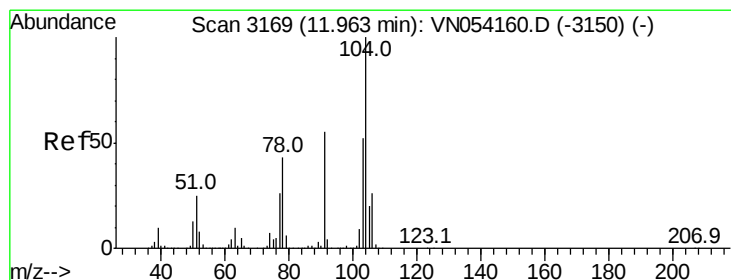
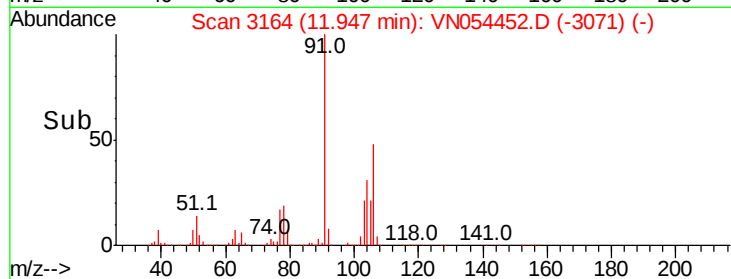
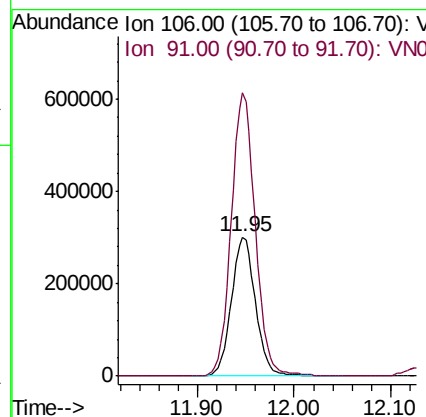
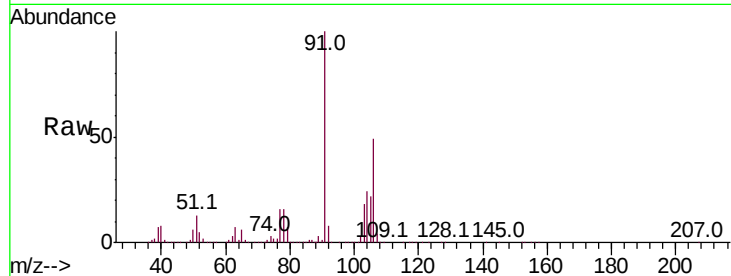
#69
o-Xylene
Concen: 21.383 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion:106 Resp: 520988
Ion Ratio Lower Upper
106 100
91 203.4 105.7 317.1

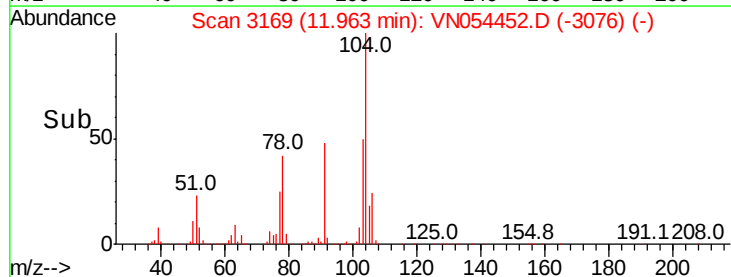
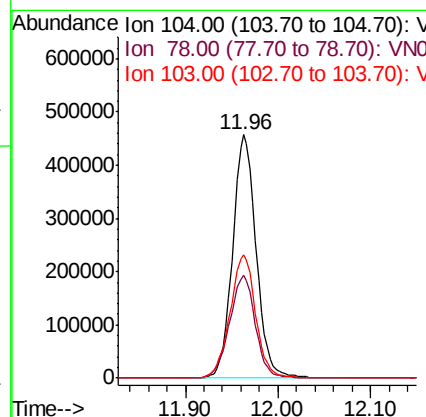
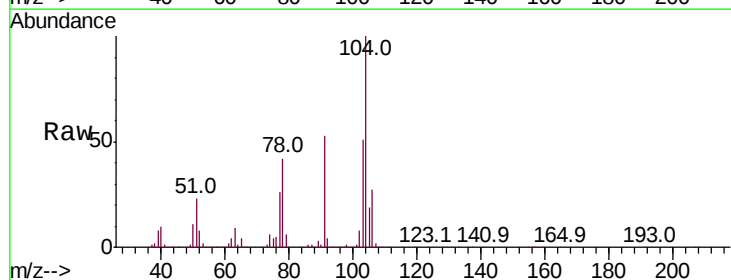
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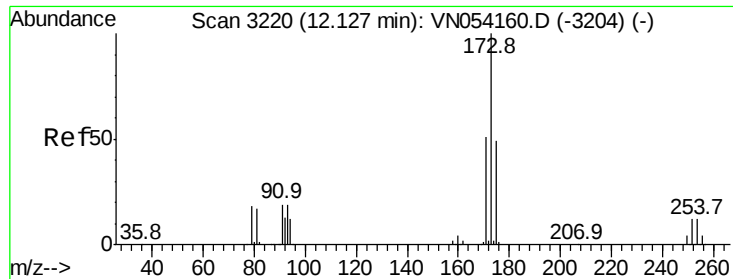
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#70
Styrene
Concen: 20.981 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion:104 Resp: 801729
Ion Ratio Lower Upper
104 100
78 46.6 38.2 57.2
103 55.4 44.4 66.6





#71

Bromoform

Concen: 17.837 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

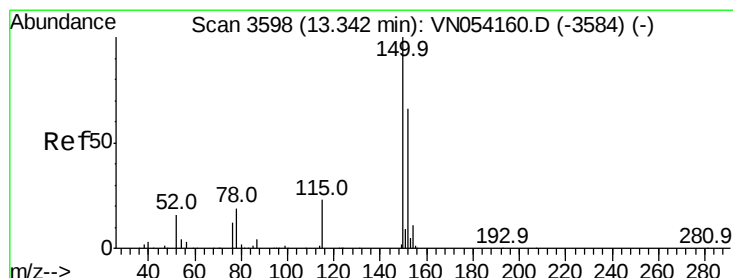
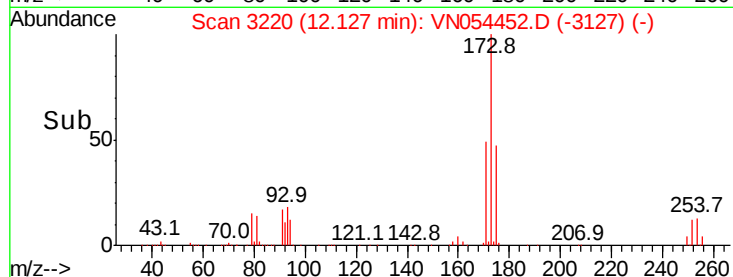
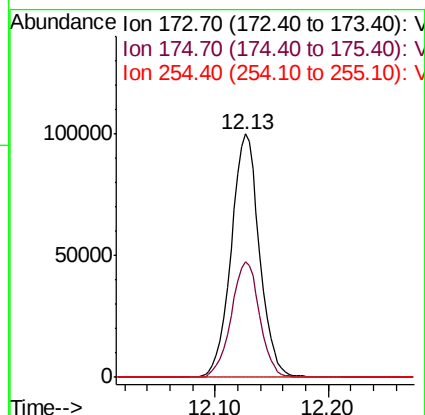
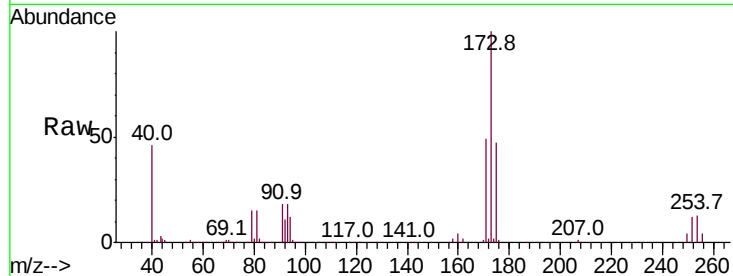
ClientSampleId :

VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.4	73.2
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

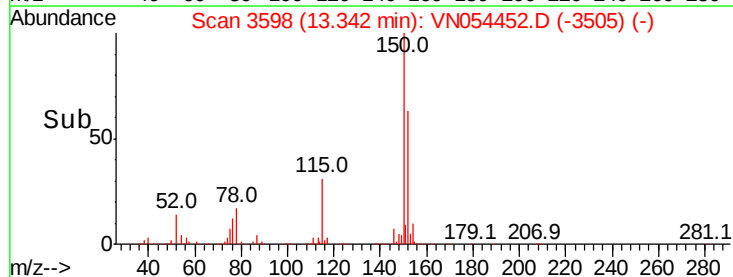
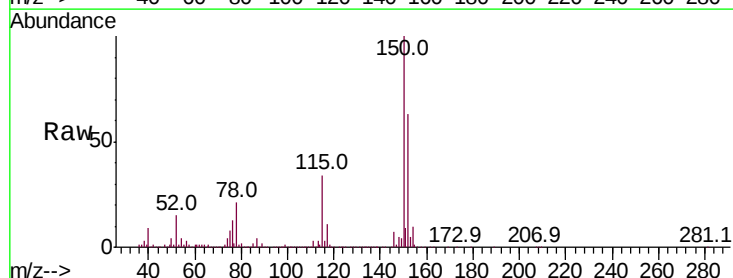
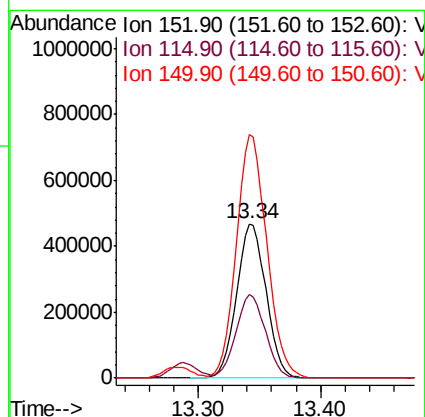
RT: 13.34 min Scan# 3598

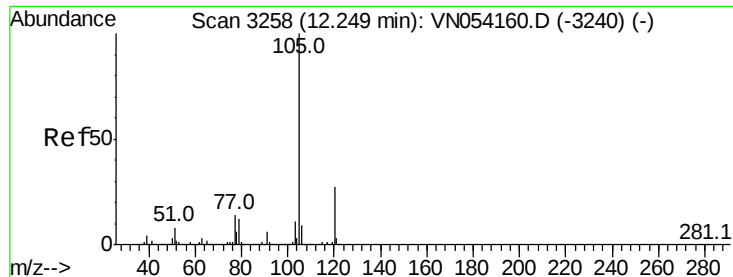
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.2	81.6
150	164.1	0.0	349.2





#73

Isopropylbenzene

Concen: 21.113 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion:105 Resp: 1316010

Ion Ratio Lower Upper

105 100

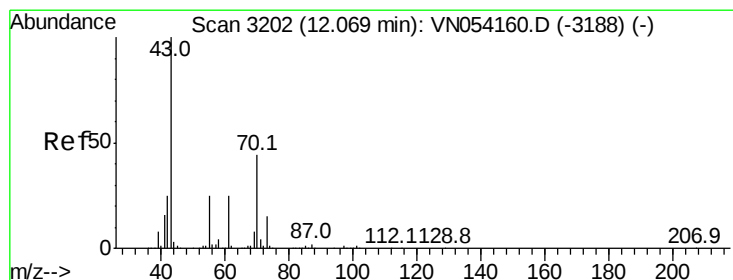
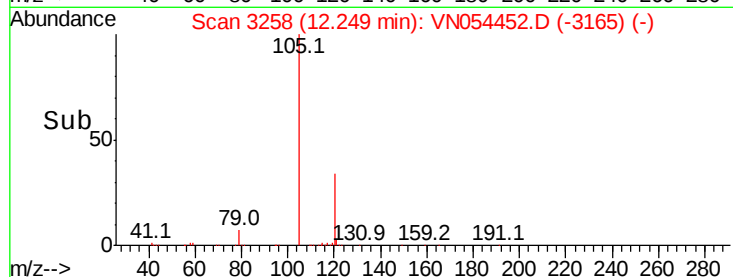
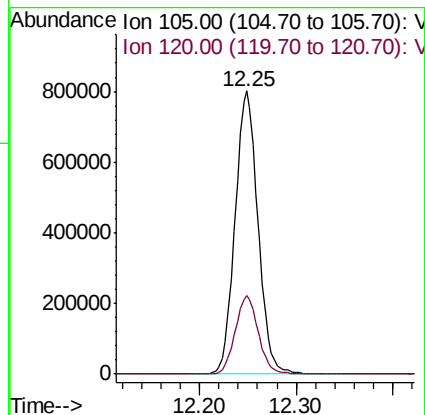
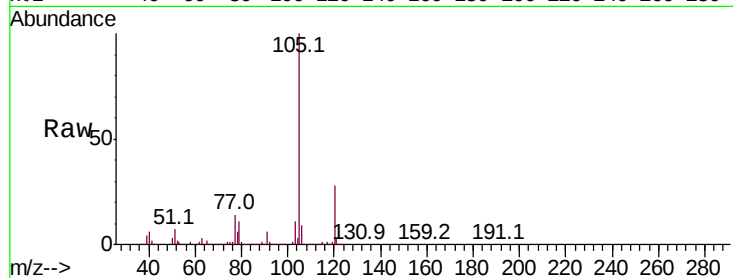
120 28.0 13.8 41.3

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#74

N-ethyl acetate

Concen: 21.729 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion: 43 Resp: 300632

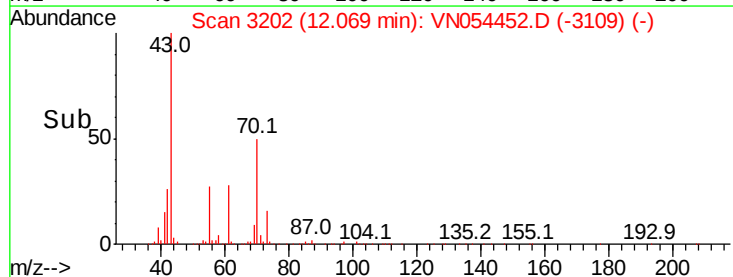
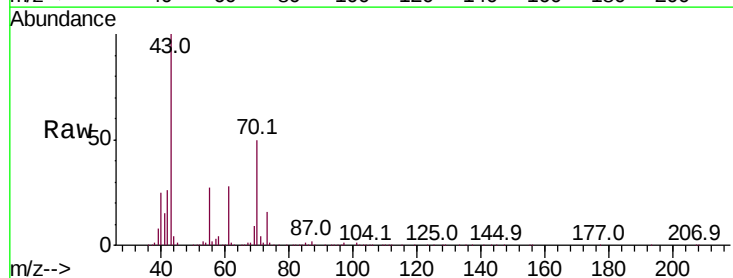
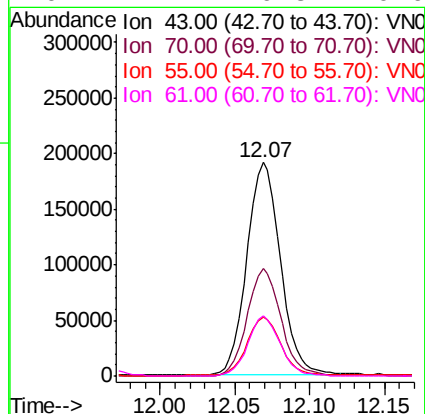
Ion Ratio Lower Upper

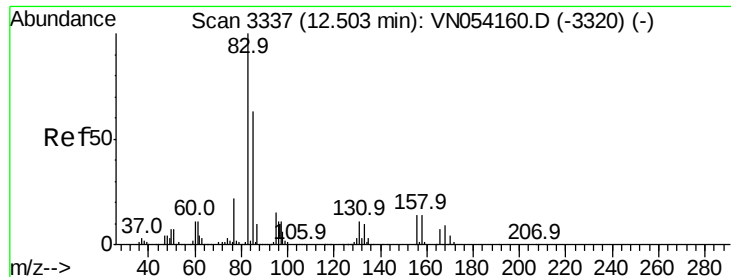
43 100

70 50.9 35.4 53.0

55 27.2 19.8 29.6

61 27.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.564 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

VN0319WBSD01

Tot Ion: 83 Resp: 312929

Ion Ratio Lower Upper

83 100

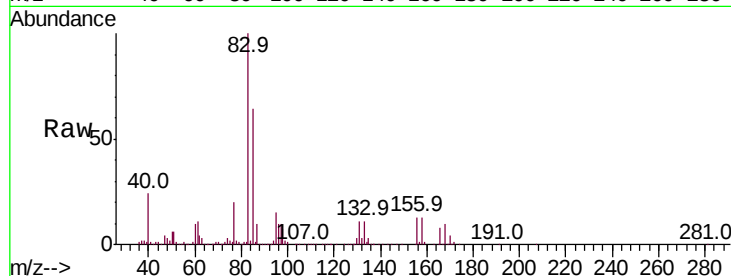
131 11.2 5.8 17.4

85 64.9 32.2 96.6

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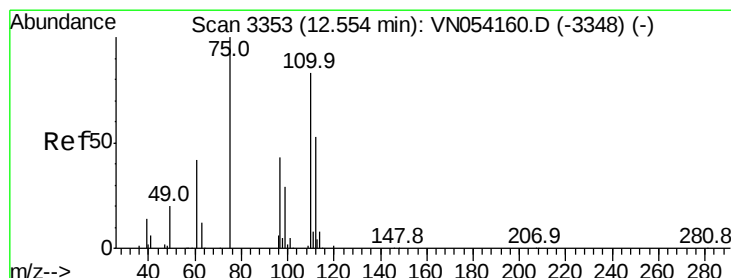
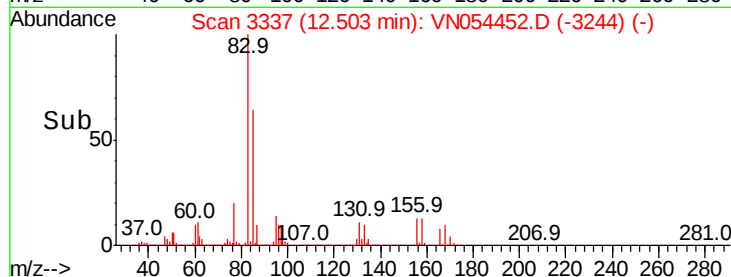
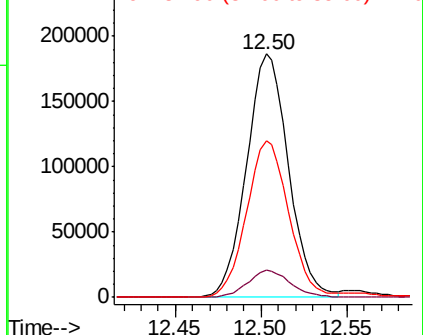
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Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 22.008 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054452.D

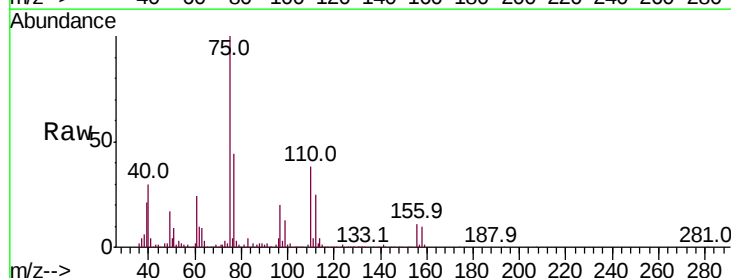
Acq: 19 Mar 2019 20:39

Tgt Ion: 75 Resp: 252147

Ion Ratio Lower Upper

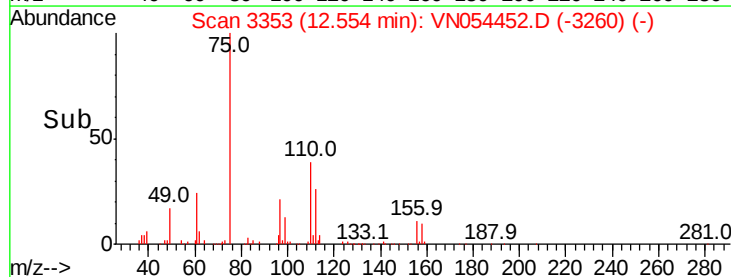
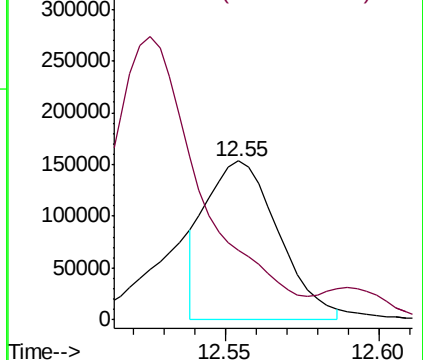
75 100

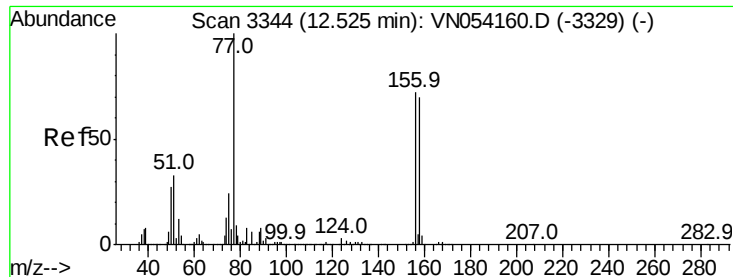
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 21.902 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

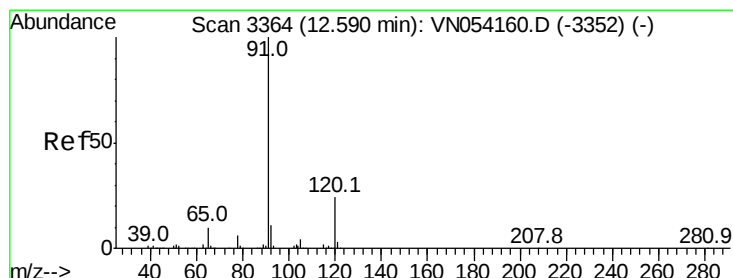
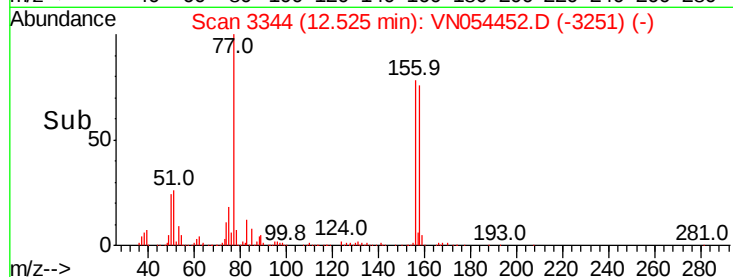
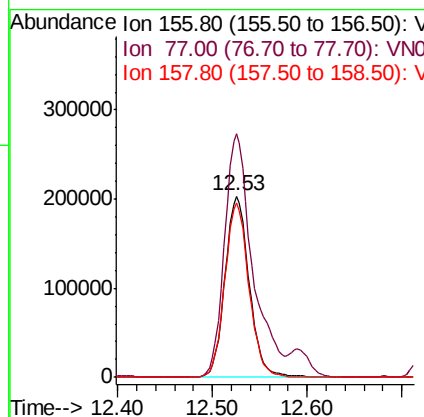
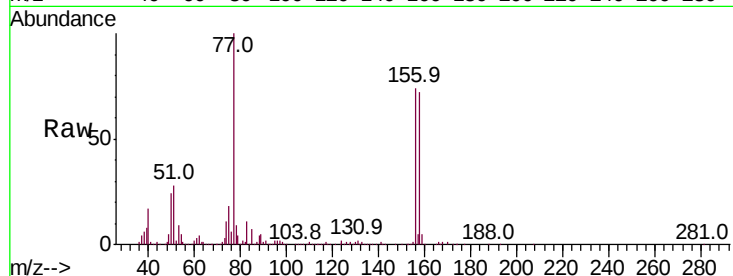
ClientSampled :

VN0319WBSD01

Tot Ion:	156	Resp:	361255
Ion Ratio	Lower	Upper	
156	100		
77	156.6	81.5	244.4
158	95.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.246 ug/l

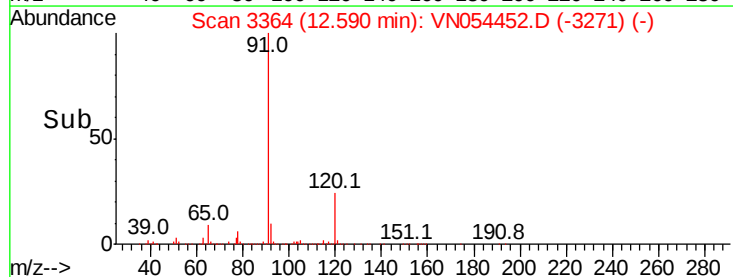
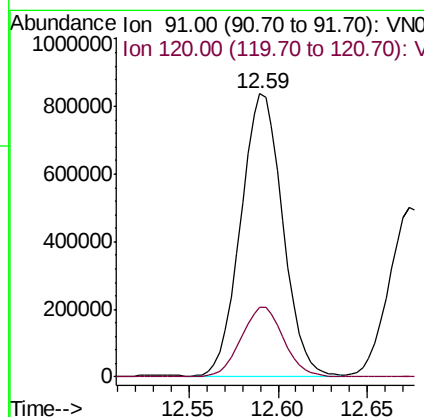
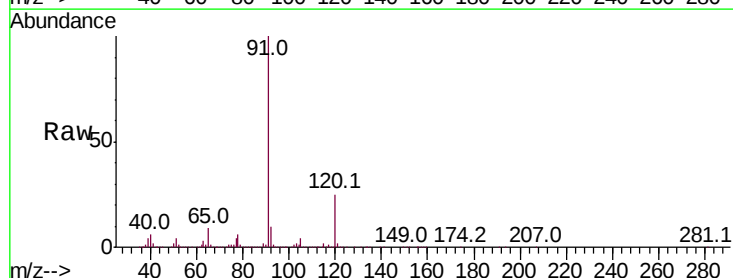
RT: 12.59 min Scan# 3364

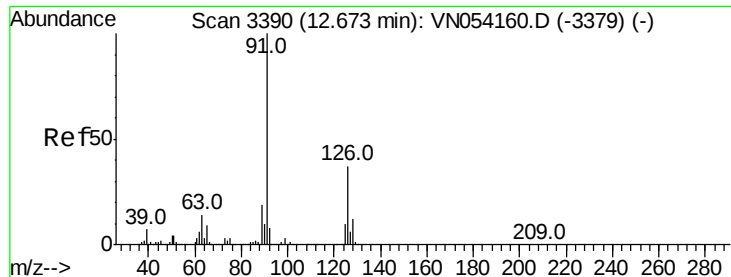
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion:	91	Resp:	1369297
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.861 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampled :

VN0319WBSD01

Tot Ion: 91 Resp: 848354

Ion Ratio Lower Upper

91 100

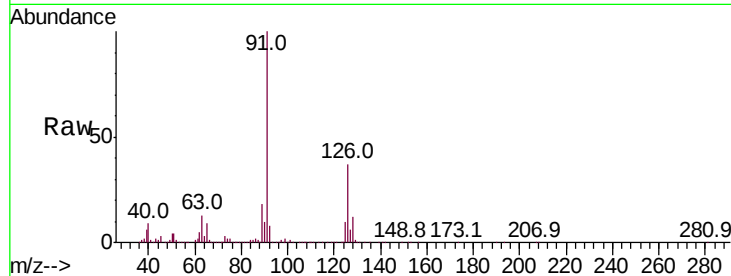
126 38.0 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

600000

400000

200000

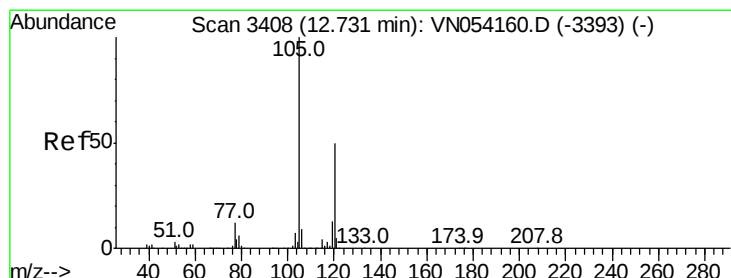
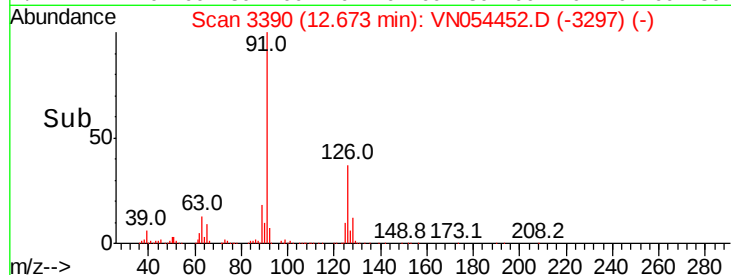
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.325 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054452.D

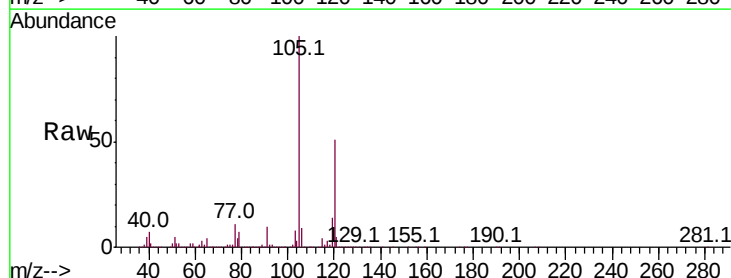
Acq: 19 Mar 2019 20:39

Tgt Ion: 105 Resp: 1053786

Ion Ratio Lower Upper

105 100

120 51.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

600000

400000

200000

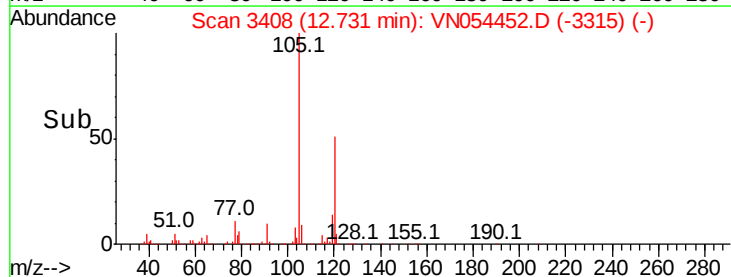
0

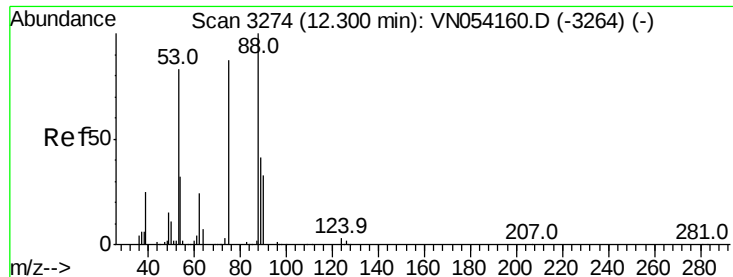
12.73

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.144 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

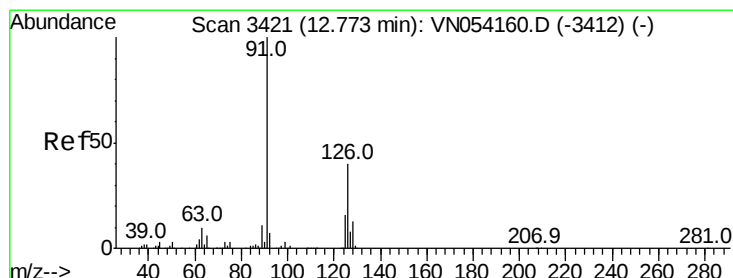
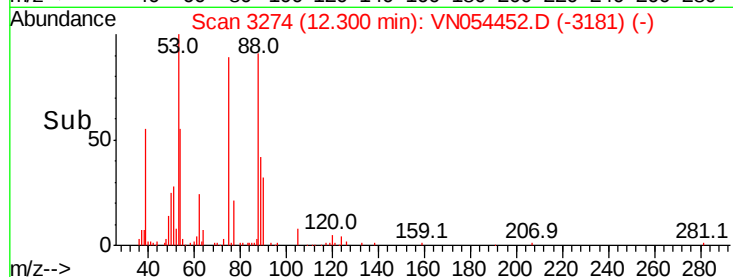
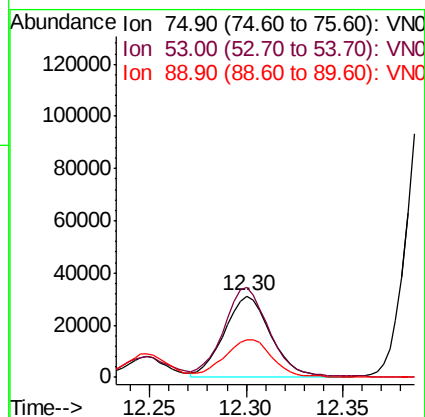
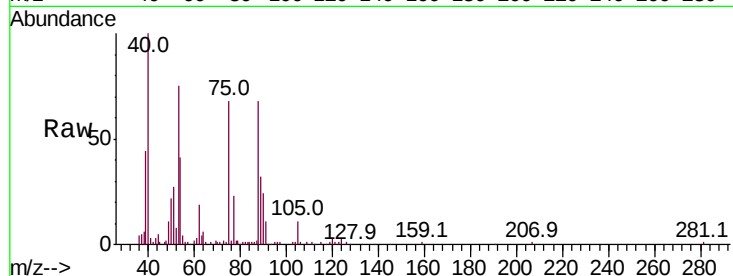
ClientSampleId :

VN0319WBSD01

Tot Ion:	75	Resp:	50755
Ion	Ratio	Lower	Upper
75	100		
53	110.7	76.2	114.2
89	49.8	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.506 ug/l

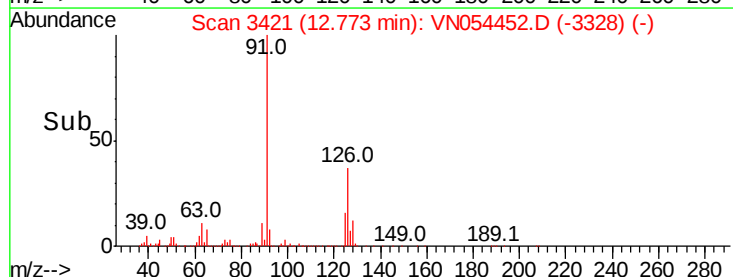
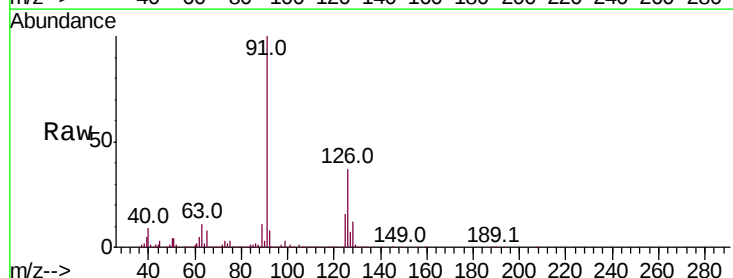
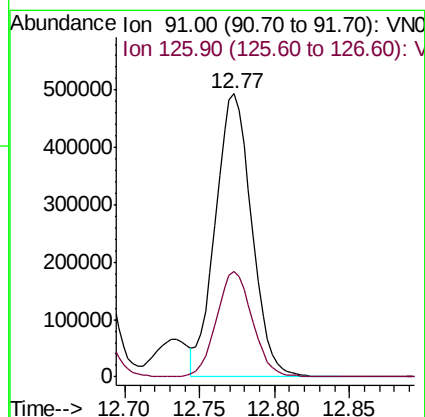
RT: 12.77 min Scan# 3421

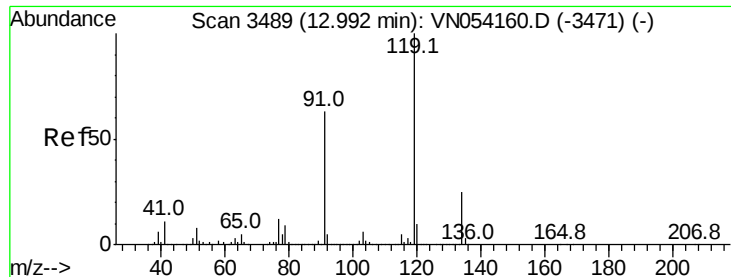
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion:	91	Resp:	832677
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.1	54.1





#83

tert-Butylbenzene

Concen: 20.157 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

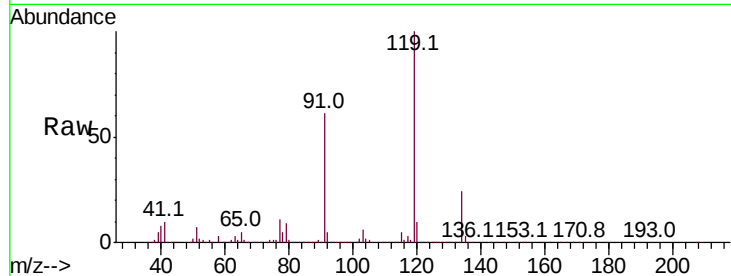
ClientSampleId :

VN0319WBSD01

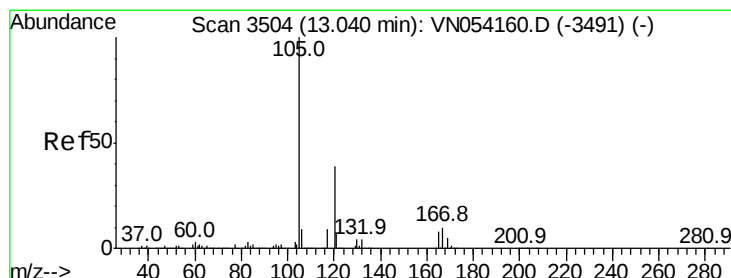
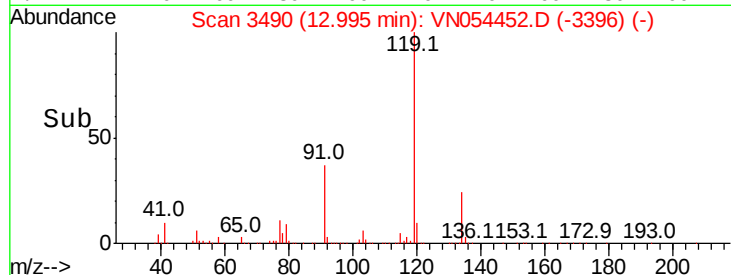
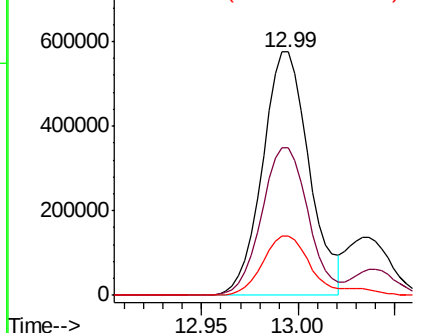
Tot Ion	119	Resp	961956
Ion Ratio	Lower	Upper	
119	100		
91	60.5	30.9	92.8
134	26.6	13.2	39.6

Manual Integrations
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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: 20.702 ug/l

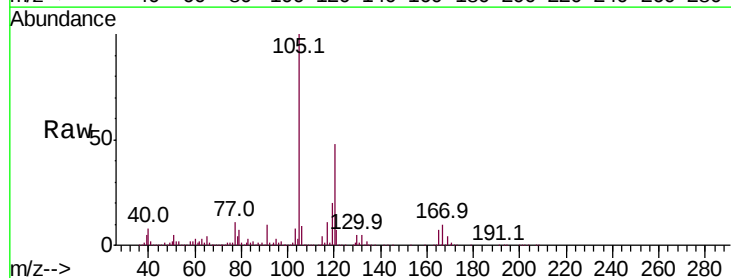
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

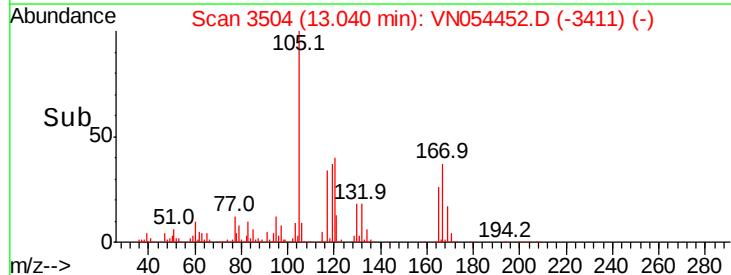
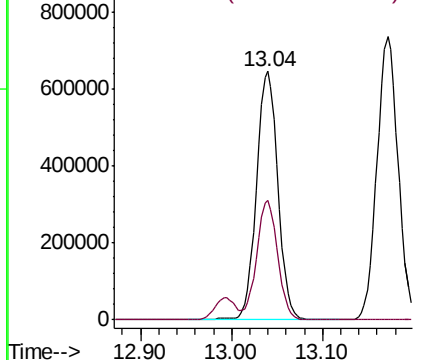
Lab File: VN054452.D

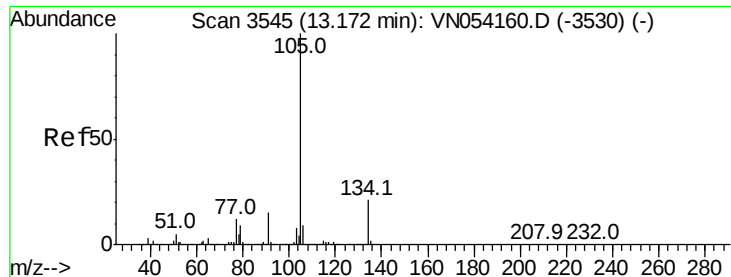
Acq: 19 Mar 2019 20:39

Tgt Ion	105	Resp	1053005
Ion Ratio	Lower	Upper	
105	100		
120	47.4	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: 19.119 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBSD01

Tot Ion:105 Resp: 1183234

Ion Ratio Lower Upper

105 100

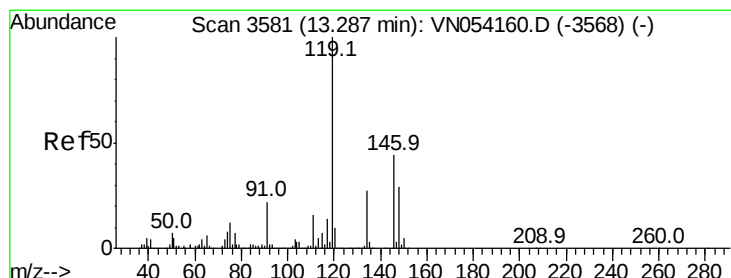
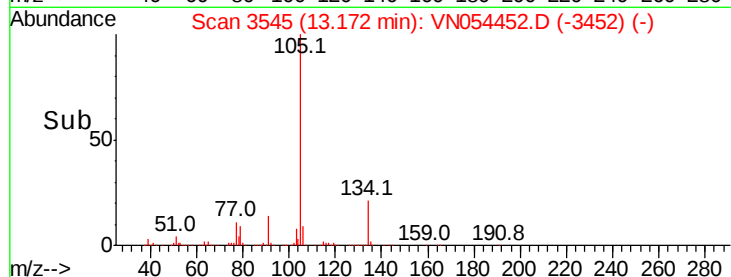
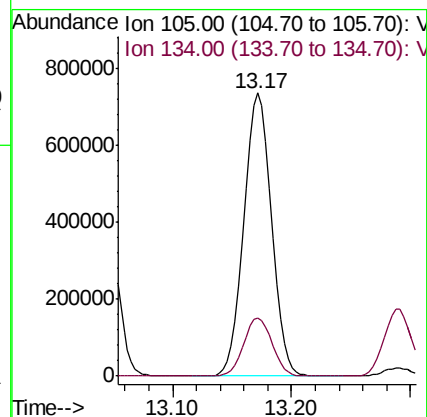
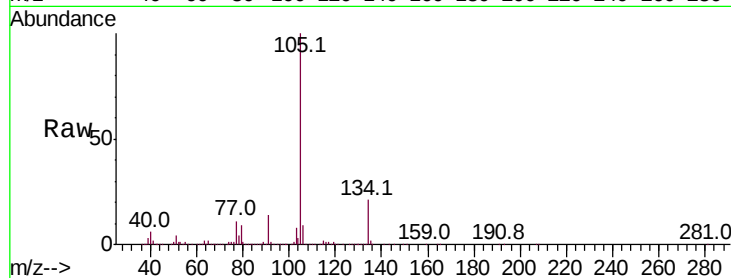
134 21.1 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 18.945 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

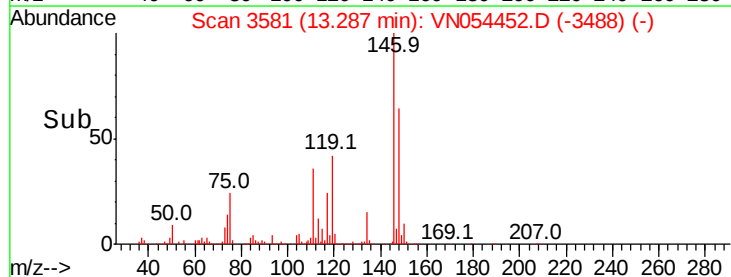
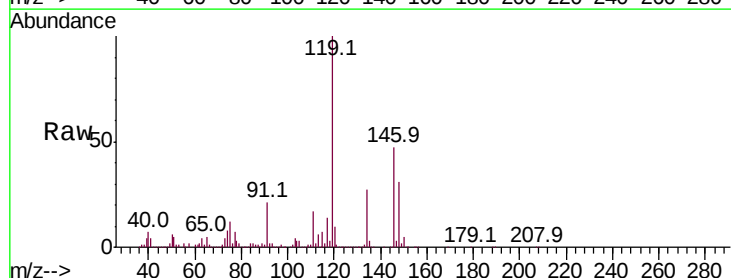
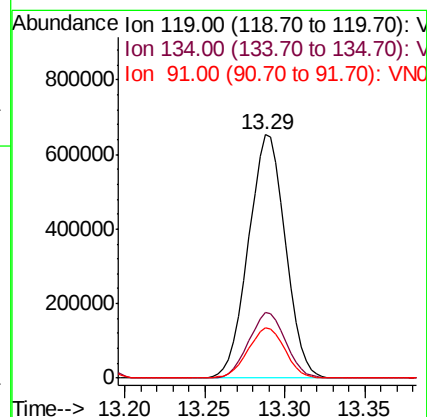
Tgt Ion:119 Resp: 1028615

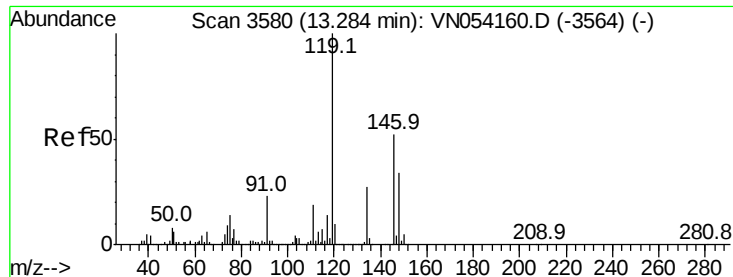
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

91 20.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.703 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054452.D

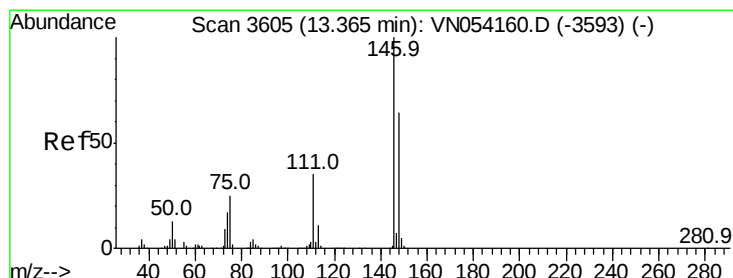
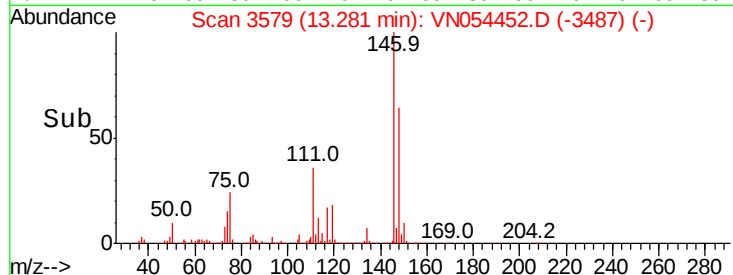
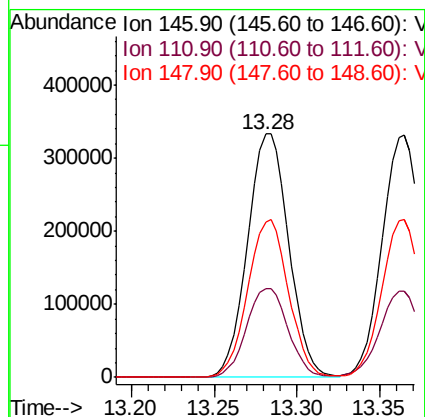
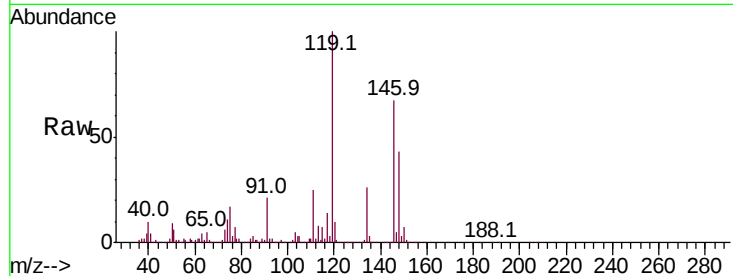
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.8	56.3
148	64.0	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.299 ug/l

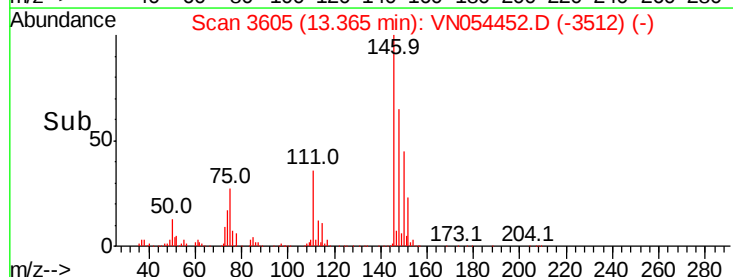
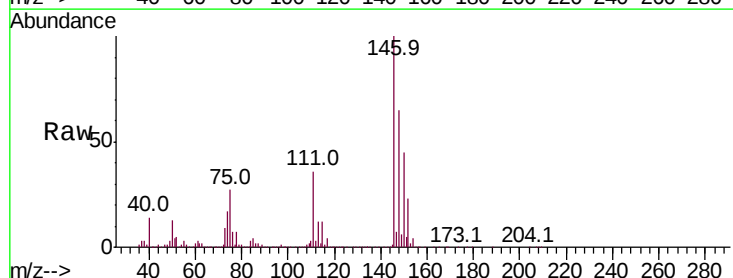
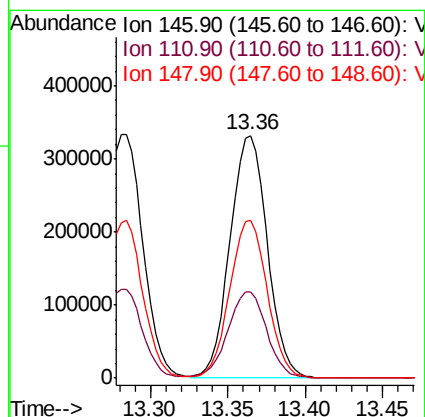
RT: 13.36 min Scan# 3605

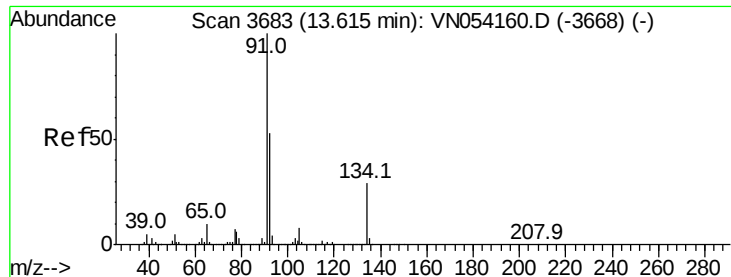
Delta R.T. 0.00 min

Lab File: VN054452.D

Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	65.2	32.0	96.0





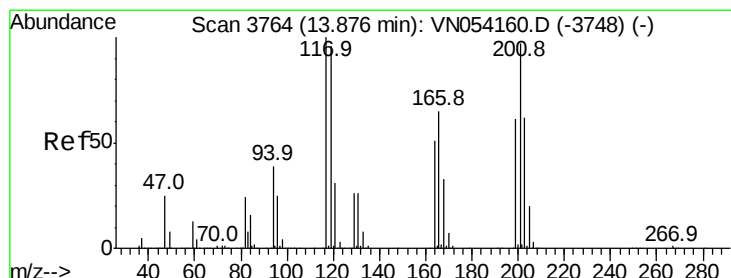
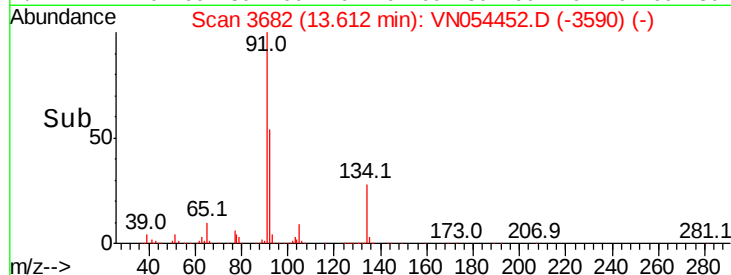
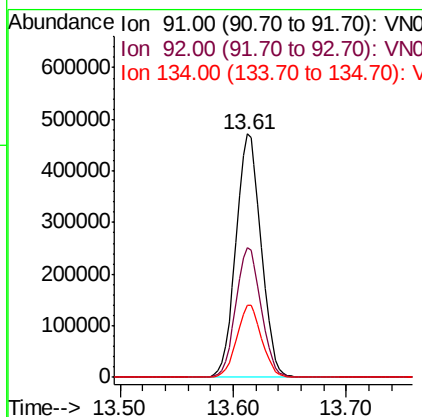
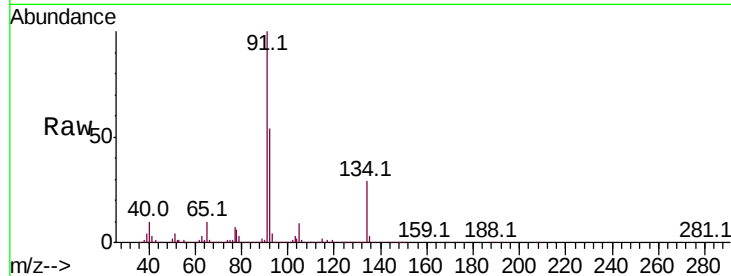
#89
n-Butylbenzene
Concen: 17.690 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.2	78.6
134	29.2	14.3	42.9

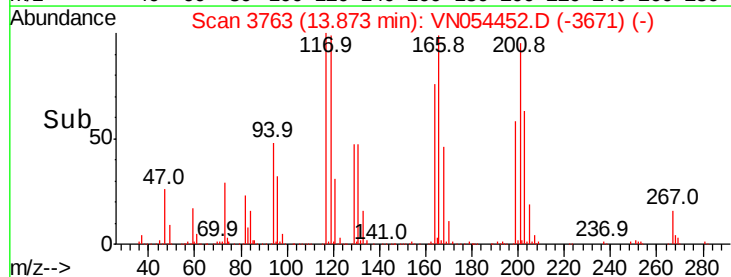
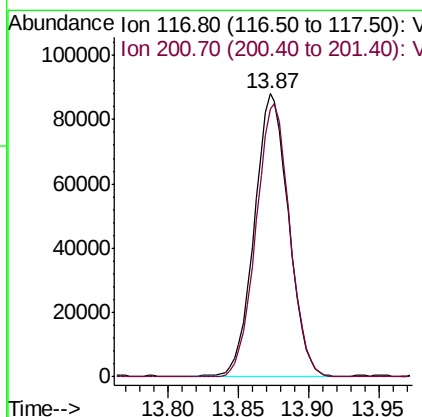
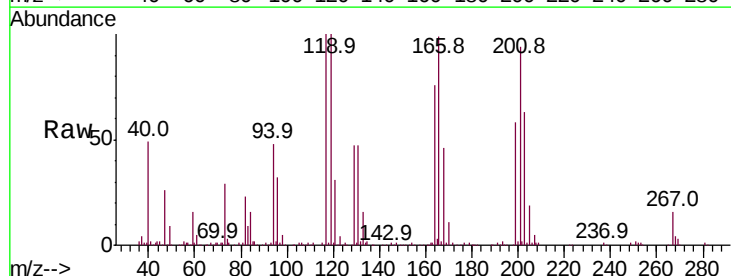
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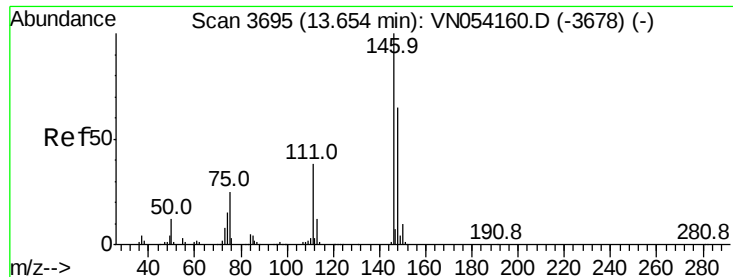
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#90
Hexachloroethane
Concen: 16.519 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.4	48.1	144.4





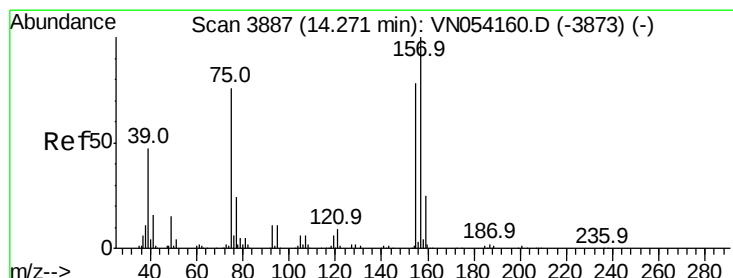
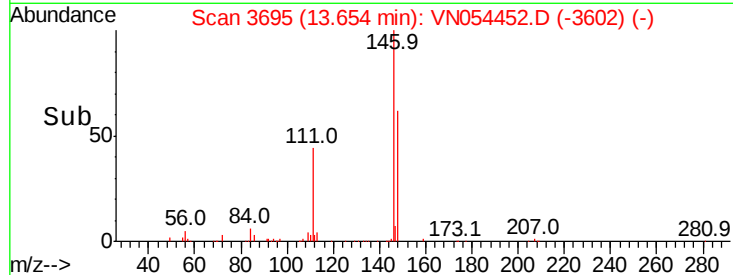
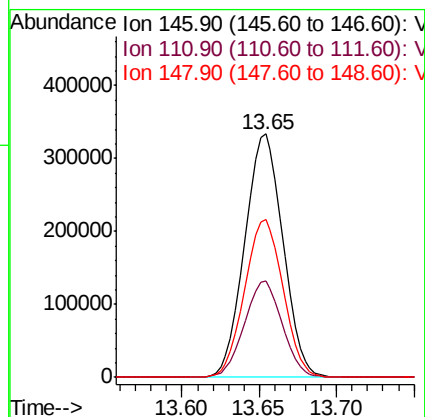
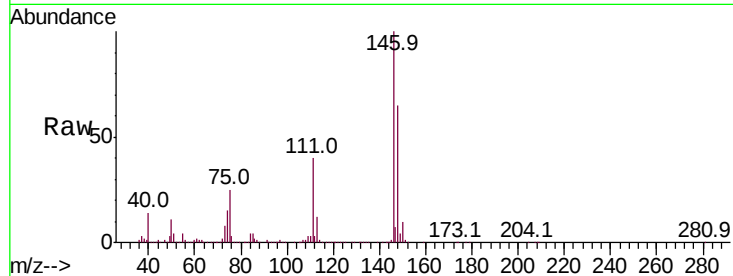
#91
1,2-Dichlorobenzene
Concen: 21.172 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.3
148	65.0	32.4	97.0

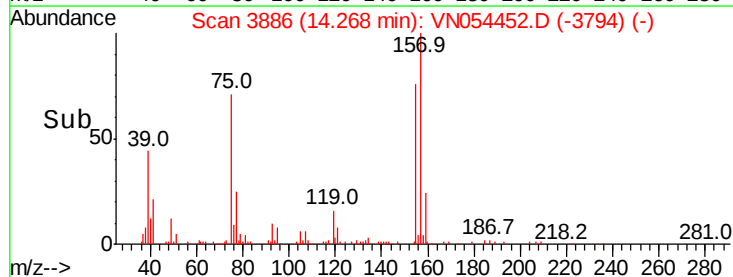
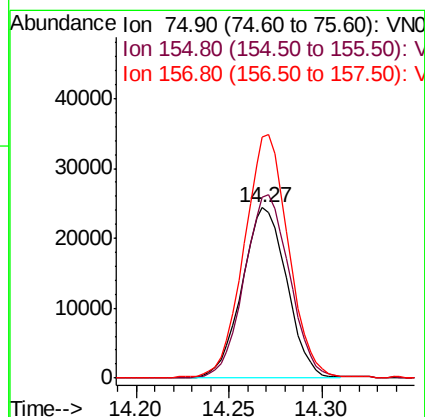
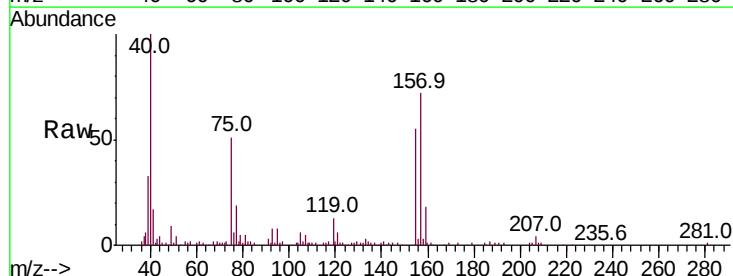
Manual Integrations
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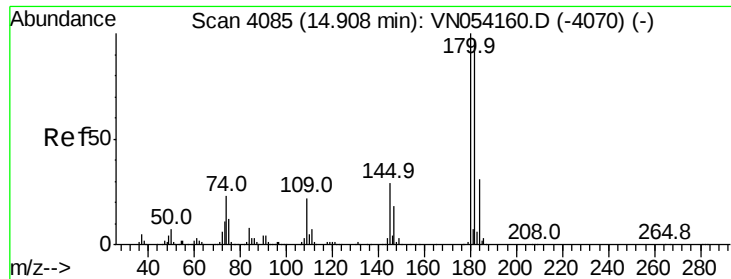
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#92
1,2-Dibromo-3-Chloropropane
Concen: 19.881 ug/l
RT: 14.27 min Scan# 3886
Delta R.T. -0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.1	50.1	150.3
157	141.9	63.1	189.3





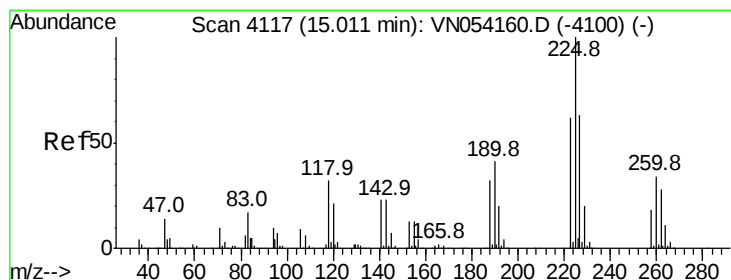
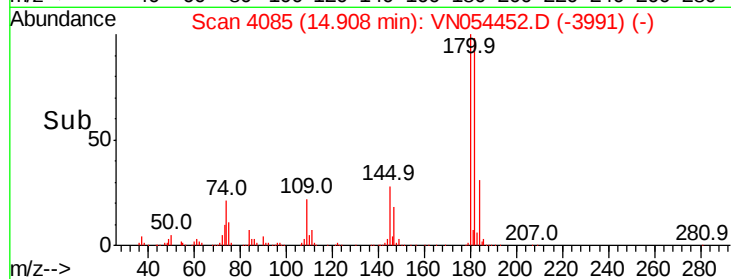
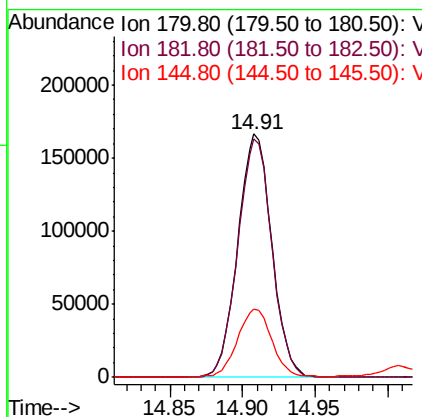
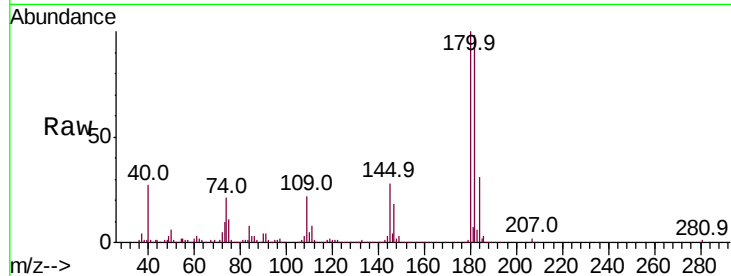
#93
 1,2,4-Trichlorobenzene
 Concen: 18.232 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	271446		
182	98.1	48.0	144.2	
145	27.7	14.2	42.8	

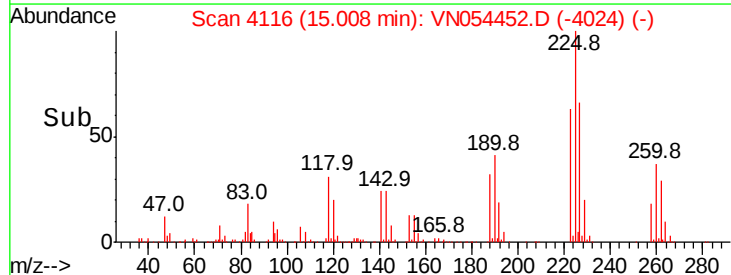
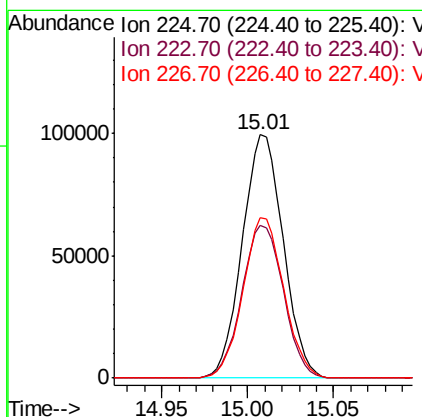
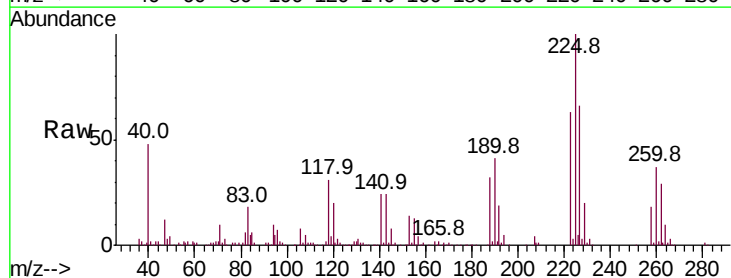
Manual Integrations
 APPROVED

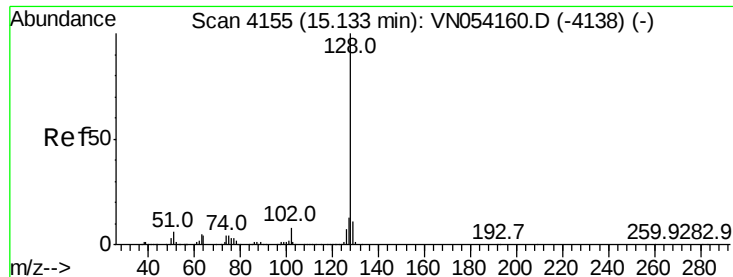
MMDadoda
 3/20/2019 12:21:57 PM



#94
 Hexachlorobutadiene
 Concen: 15.895 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054452.D
 Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164499		
223	63.6	31.1	93.5	
227	65.5	31.9	95.9	





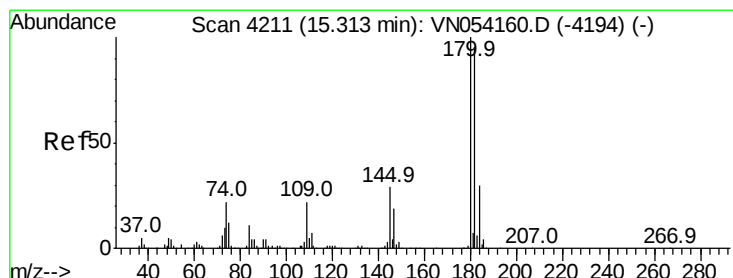
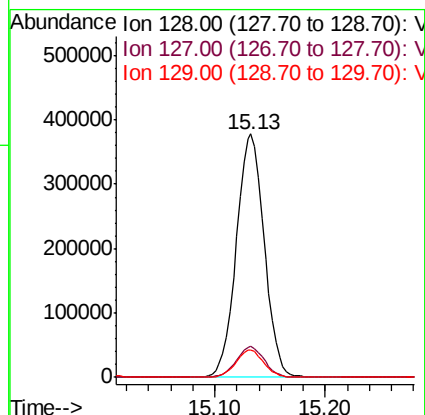
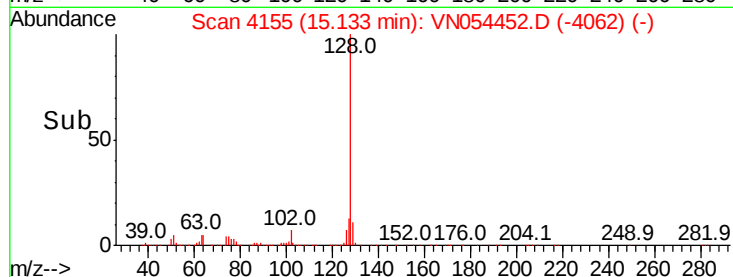
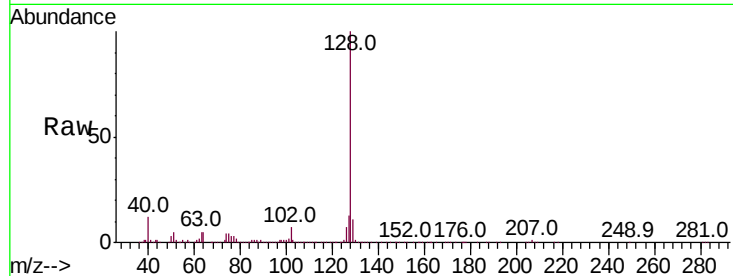
#95
Naphthalene
Concen: 21.494 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/20/2019 12:21:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.046 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054452.D
Acq: 19 Mar 2019 20:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	29.3	14.8	44.3

