

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054281.D
 Acq On : 15 Mar 2019 00:54
 Operator : JC/SP
 Sample : VN0314WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:14:22 AM

Quant Time: Mar 15 08:22:03 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	1327101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2075162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1775491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	791627	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	731695	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	674764	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	10.09	98	2405092	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	789983	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	264992	21.069	ug/l	98
3) Chloromethane	2.06	50	241747	19.787	ug/l	99
4) Vinyl Chloride	2.19	62	284261	20.356	ug/l	100
5) Bromomethane	2.58	94	190406	19.687	ug/l	93
6) Chloroethane	2.71	64	169360	20.045	ug/l	98
7) Trichlorofluoromethane	3.02	101	369836	19.920	ug/l	99
8) Diethyl Ether	3.41	74	193057	22.819	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	299316	21.514	ug/l	99
10) Methyl Iodide	3.94	142	362872	19.313	ug/l	99
11) Tert butyl alcohol	4.82	59	93553	96.826	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	298635	21.660	ug/l	98
13) Acrolein	3.61	56	66382	72.505	ug/l	99
14) Allyl chloride	4.32	41	345557	19.535	ug/l	100
15) Acrylonitrile	5.00	53	439953	110.852	ug/l	99
16) Acetone	3.82	43	319359	79.140	ug/l	100
17) Carbon Disulfide	4.04	76	602556	17.434	ug/l	99
18) Methyl Acetate	4.33	43	199256	24.406	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	745410	21.812	ug/l	100
20) Methylene Chloride	4.55	84	286037	21.587	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	278119	21.054	ug/l	98
22) Diisopropyl ether	5.96	45	757837	21.466	ug/l	99
23) Vinyl Acetate	5.90	43	2640685	101.446	ug/l	100
24) 1,1-Dichloroethane	5.85	63	485674	21.425	ug/l	99
25) 2-Butanone	6.85	43	483318	102.045	ug/l	99
26) 2,2-Dichloropropane	6.82	77	287957	14.445	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	327645	22.233	ug/l	94
28) Bromochloromethane	7.19	49	188006	20.287	ug/l	96
29) Tetrahydrofuran	7.22	42	324525	106.567	ug/l	99
30) Chloroform	7.37	83	518207	21.907	ug/l	99
31) Cyclohexane	7.65	56	434543	19.761	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	442510	20.714	ug/l	99
36) 1,1-Dichloropropene	7.79	75	378764	19.820	ug/l	99
37) Ethyl Acetate	6.94	43	220446	20.076	ug/l	99
38) Carbon Tetrachloride	7.77	117	377774	18.850	ug/l	97

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0314WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:14:22 AM

Quant Time: Mar 15 08:22:03 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	441650	18.783	ug/l	100
40) Benzene	8.04	78	1151748	21.061	ug/l	100
41) Methacrylonitrile	7.18	41	109725	17.501	ug/l	88
42) 1,2-Dichloroethane	8.13	62	388186	21.025	ug/l	99
43) Isopropyl Acetate	8.17	43	373360	19.371	ug/l	100
44) Trichloroethene	8.83	130	350174	20.613	ug/l	99
45) 1,2-Dichloropropane	9.12	63	288354	21.235	ug/l	98
46) Dibromomethane	9.21	93	189568	20.662	ug/l	98
47) Bromodichloromethane	9.40	83	375239	20.401	ug/l	99
48) Methyl methacrylate	9.20	41	188926	19.315	ug/l	94
49) 1,4-Dioxane	9.21	88	58778	424.835	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1051542	103.093	ug/l	100
52) Toluene	10.16	92	718430	20.719	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	319222	16.557	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	395363	18.446	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	265472	20.968	ug/l	99
56) Ethyl methacrylate	10.43	69	302729	20.053	ug/l	99
57) 1,3-Dichloropropane	10.71	76	434266	20.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	550421	95.210	ug/l	99
59) 2-Hexanone	10.75	43	651074	95.929	ug/l	100
60) Dibromochloromethane	10.90	129	277682	19.485	ug/l	100
61) 1,2-Dibromoethane	11.01	107	270400	21.016	ug/l	98
64) Tetrachloroethene	10.63	164	369133	21.503	ug/l	97
65) Chlorobenzene	11.43	112	821637	21.076	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	293196	20.703	ug/l	98
67) Ethyl Benzene	11.51	91	1321822	20.454	ug/l	100
68) m/p-Xylenes	11.62	106	1043494	41.313	ug/l	98
69) o-Xylene	11.95	106	516806	20.989	ug/l	98
70) Styrene	11.96	104	782704	20.269	ug/l	99
71) Bromoform	12.13	173	176980	17.973	ug/l #	100
73) Isopropylbenzene	12.25	105	1361199	21.492	ug/l	99
74) N-amyl acetate	12.07	43	276291	19.653	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	294774	21.845	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	265372m	22.796	ug/l	
77) Bromobenzene	12.53	156	361047	21.543	ug/l	96
78) n-propylbenzene	12.59	91	1434208	20.869	ug/l	100
79) 2-Chlorotoluene	12.68	91	873222	21.133	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1109363	21.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47451	13.934	ug/l #	85
82) 4-Chlorotoluene	12.77	91	843071	20.433	ug/l	99
83) tert-Butylbenzene	12.99	119	1037485	21.396	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1101196	21.307	ug/l	99
85) sec-Butylbenzene	13.17	105	1308310	20.805	ug/l	100
86) p-Isopropyltoluene	13.29	119	1126319	20.416	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	586062	20.753	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	568111	20.478	ug/l	99
89) n-Butylbenzene	13.62	91	802136	19.136	ug/l	100
90) Hexachloroethane	13.88	117	165368	18.102	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	591620	21.430	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41475	19.863	ug/l	98

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:14:22 AM

Quant Time: Mar 15 08:22:03 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)
93) 1,2,4-Trichlorobenzene	14.91	180	290968	19.095	ug/l	99
94) Hexachlorobutadiene	15.01	225	205238	19.517	ug/l	98
95) Naphthalene	15.13	128	606578	19.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	302453	20.619	ug/l	99

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

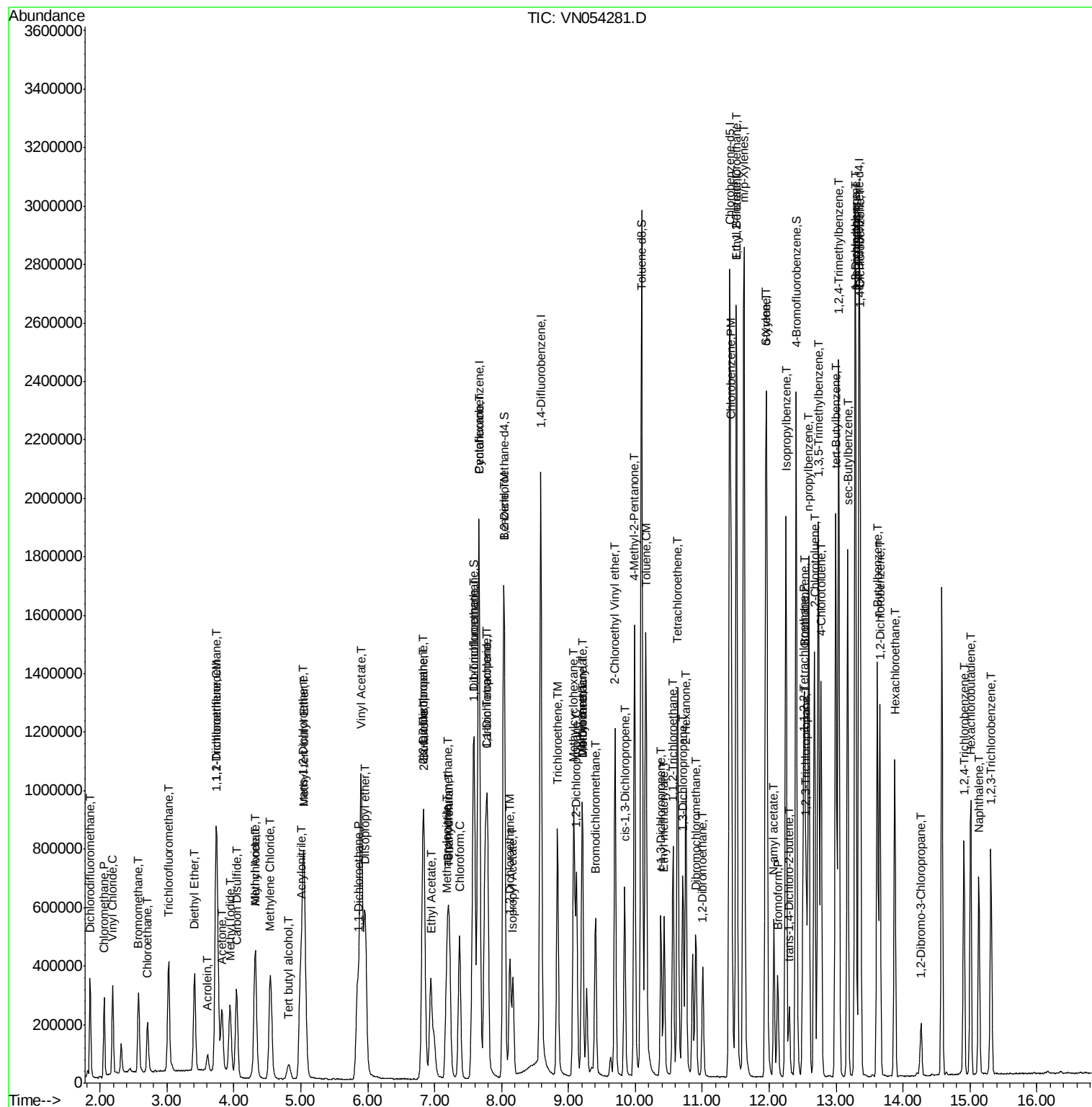
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054281.D
 Acq On : 15 Mar 2019 00:54
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 Sample : VN0314WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

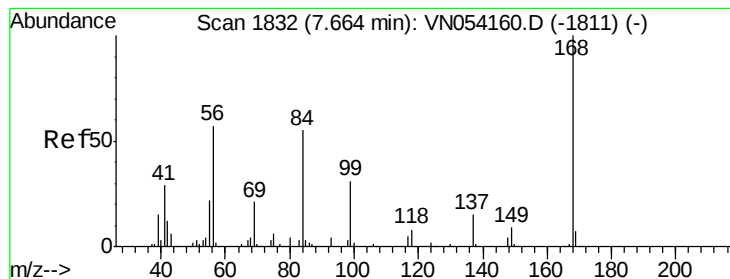
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Manual Integrations
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MMDadoda
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion:168 Resp: 1327101

Ion Ratio Lower Upper

168 100

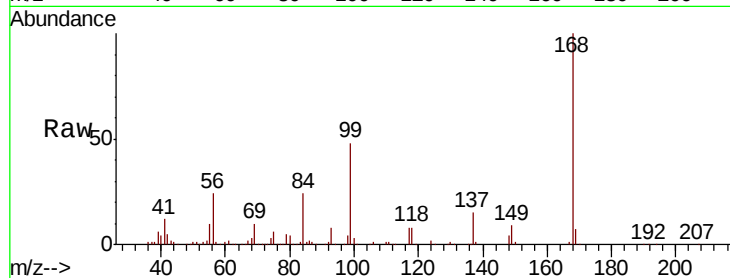
99 47.3 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

3/15/2019 10:14:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

600000

500000

400000

300000

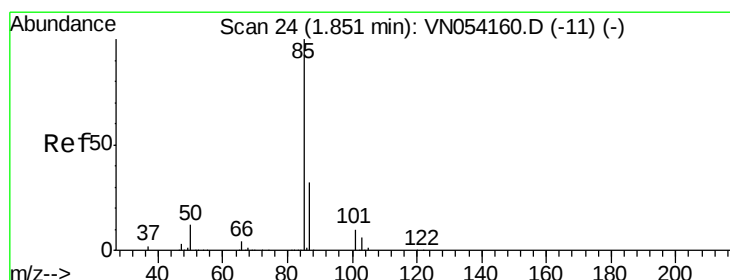
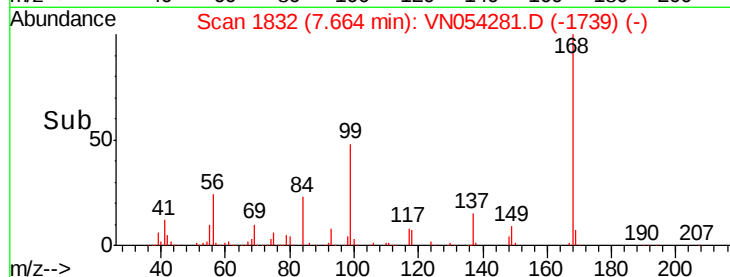
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.069 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054281.D

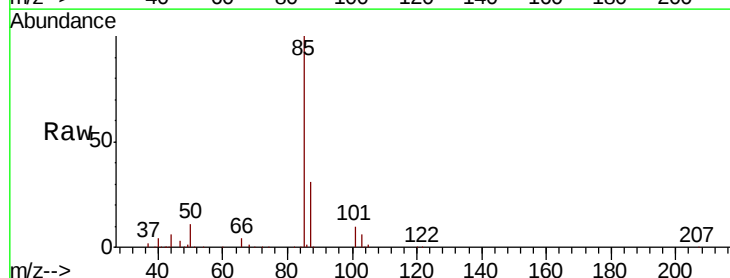
Acq: 15 Mar 2019 00:54

Tgt Ion: 85 Resp: 264992

Ion Ratio Lower Upper

85 100

87 30.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

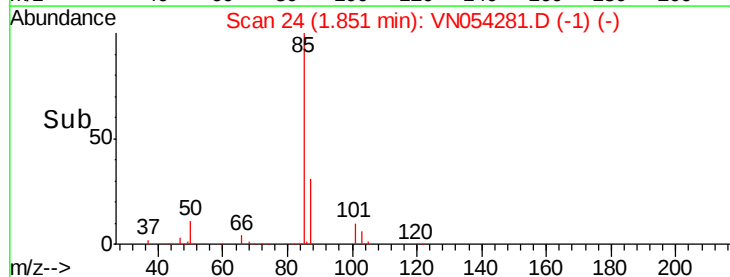
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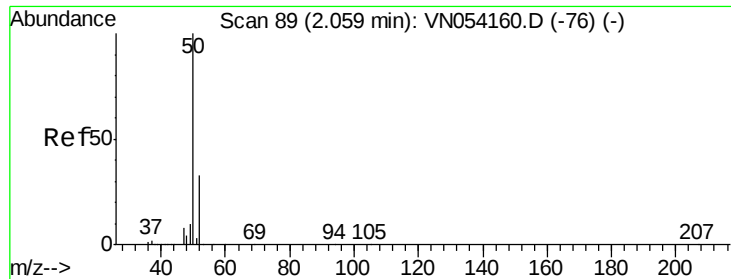
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.787 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion: 50 Resp: 241747

Ion Ratio Lower Upper

50 100

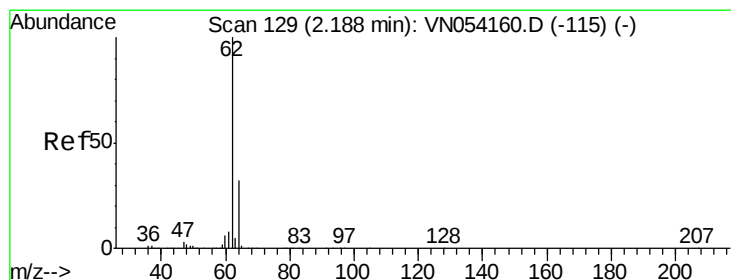
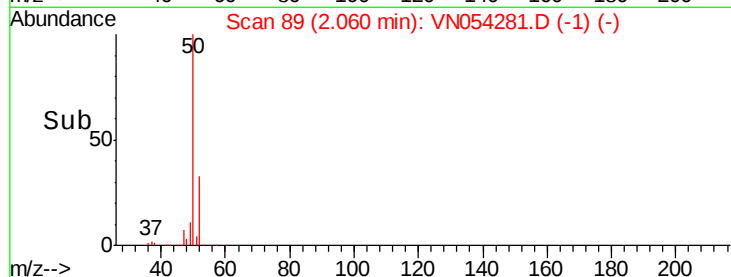
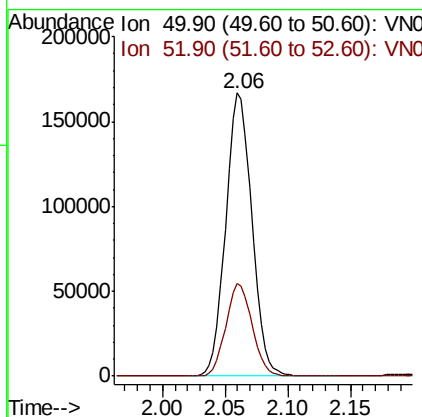
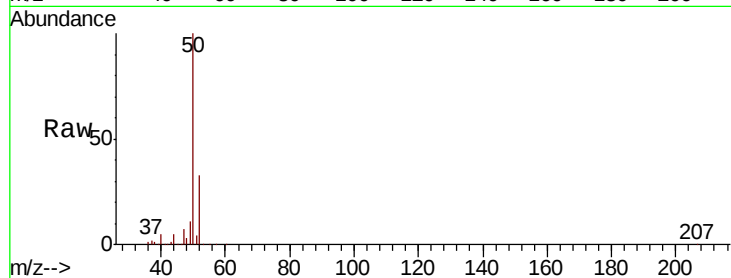
52 32.6 26.4 39.6

Manual Integrations

APPROVED

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3/15/2019 10:14:22 AM



#4

Vinyl Chloride

Concen: 20.356 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054281.D

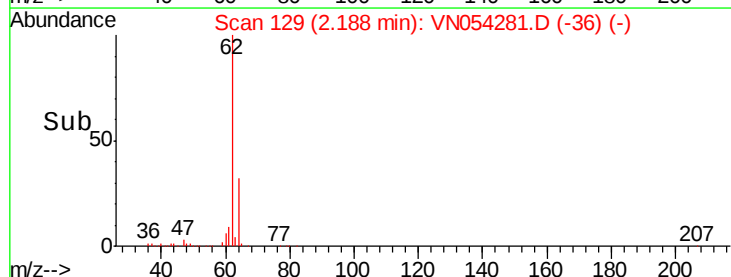
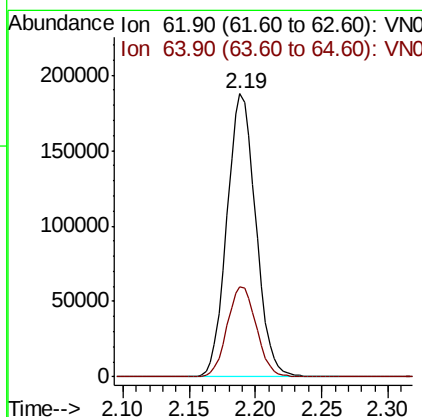
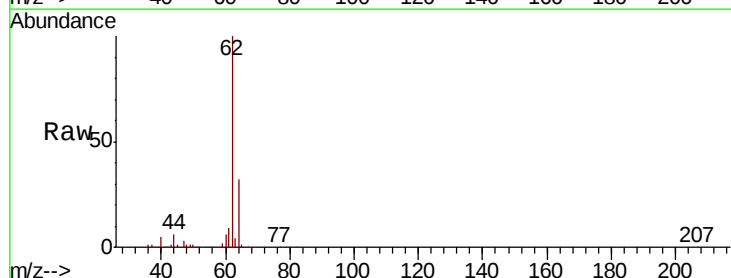
Acq: 15 Mar 2019 00:54

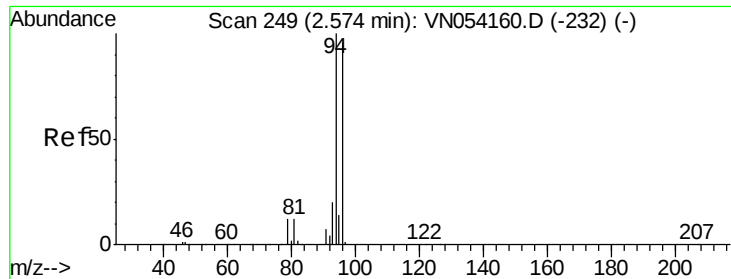
Tgt Ion: 62 Resp: 284261

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 19.687 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion: 94 Resp: 190406

Ion Ratio Lower Upper

94 100

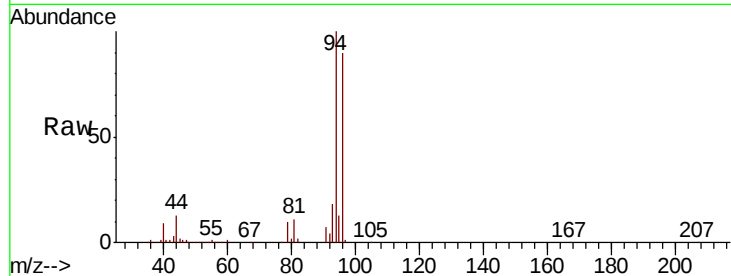
96 89.8 77.0 115.4

Manual Integrations

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3/15/2019 10:14:22 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

120000

100000

80000

60000

40000

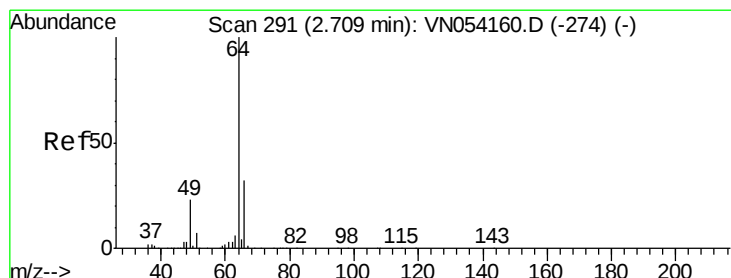
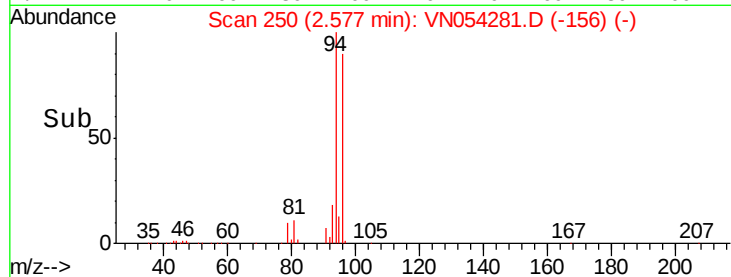
20000

0

2.58

2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.045 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054281.D

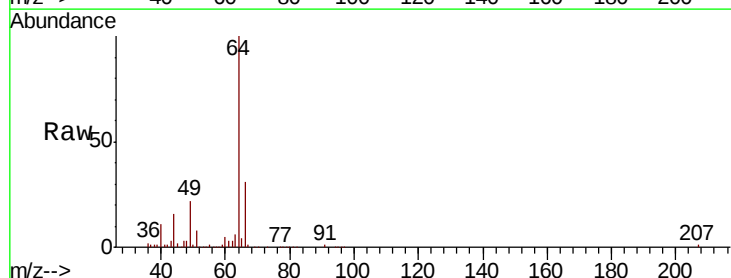
Acq: 15 Mar 2019 00:54

Tgt Ion: 64 Resp: 169360

Ion Ratio Lower Upper

64 100

66 31.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

100000

80000

60000

40000

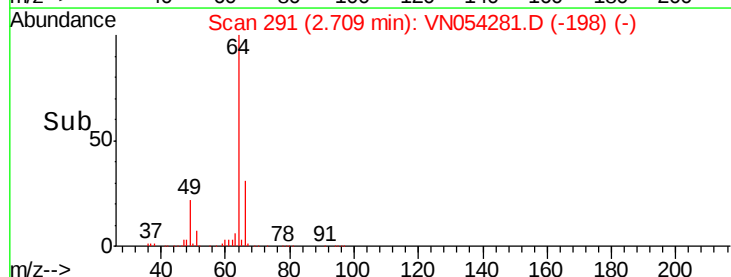
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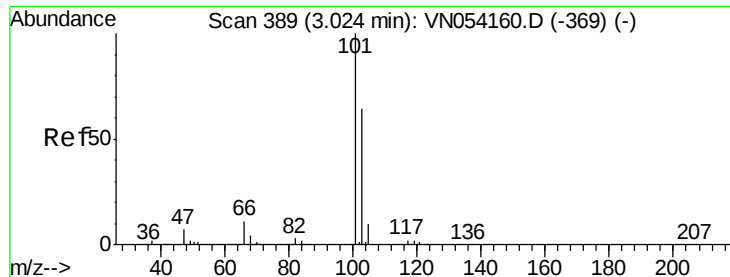
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2.71

2.60 2.70 2.80

Time-->





#7

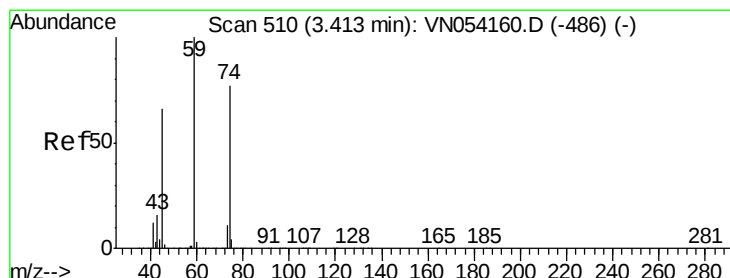
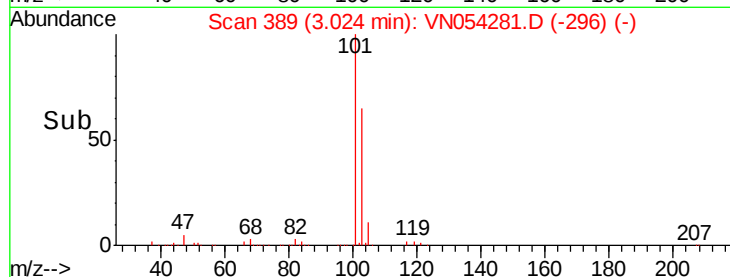
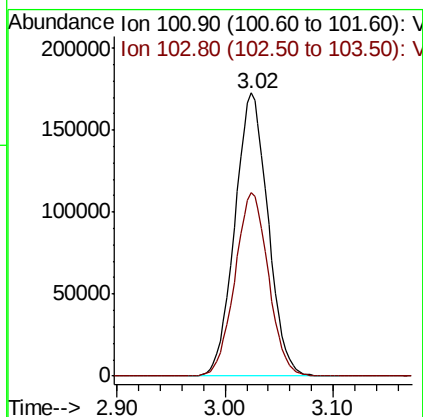
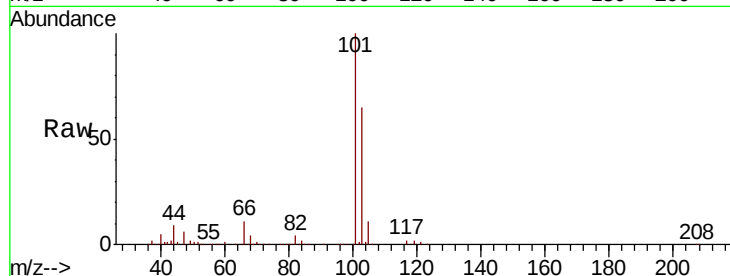
Trichlorofluoromethane
Concen: 19.920 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
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ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.4	77.2

Manual Integrations
APPROVED

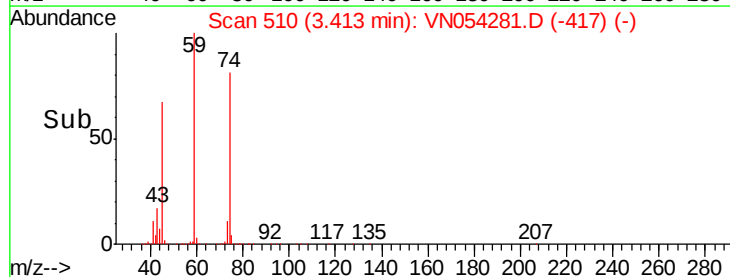
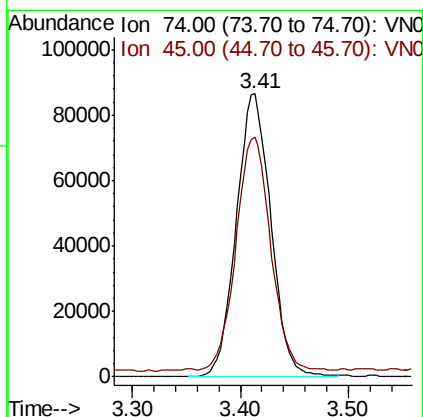
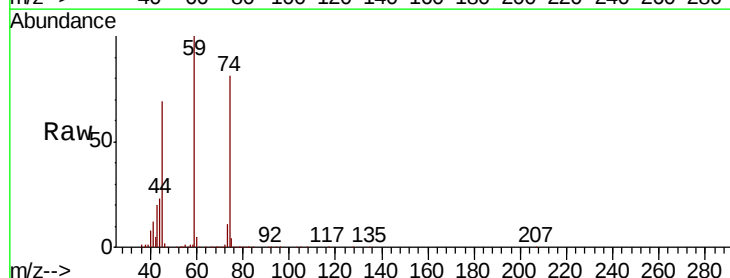
MMDadoda
3/15/2019 10:14:22 AM

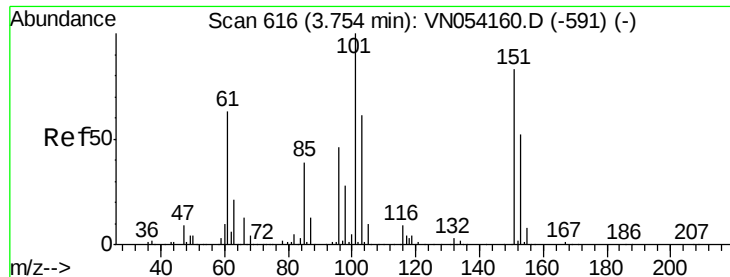


#8

Diethyl Ether
Concen: 22.819 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.4	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.514 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

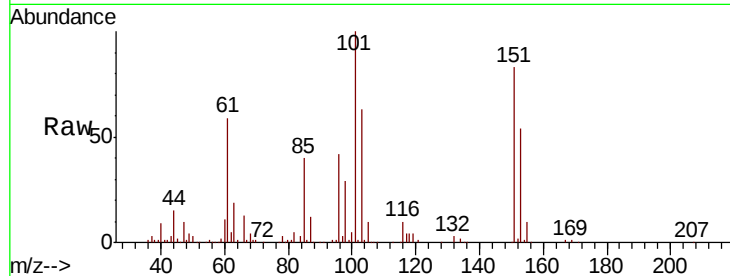
ClientSampleId :

VN0314WBS02

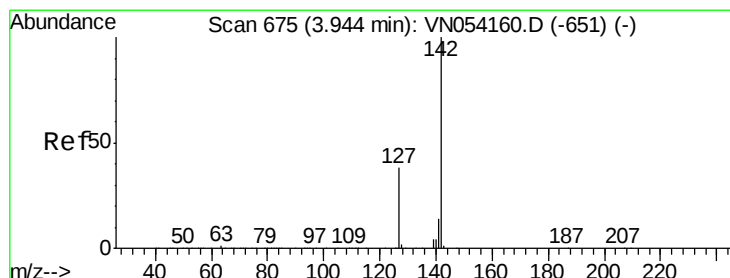
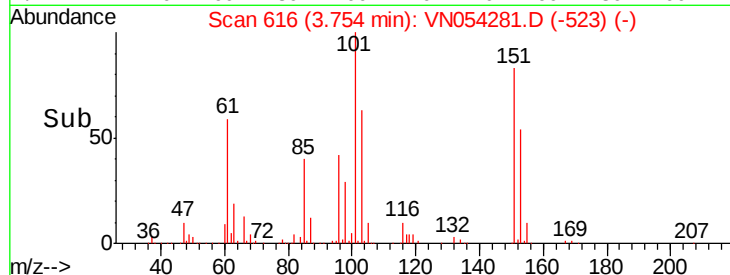
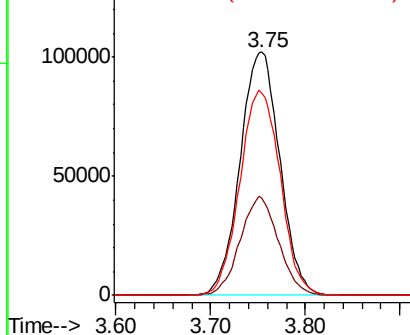
Tgt Ion:	101	Resp:	299316
Ion Ratio	Lower	Upper	
101	100		
85	39.1	32.4	48.6
151	85.4	68.2	102.2

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



#10

Methyl Iodide

Concen: 19.313 ug/l

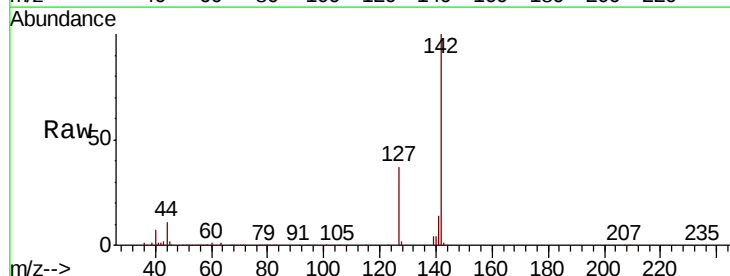
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

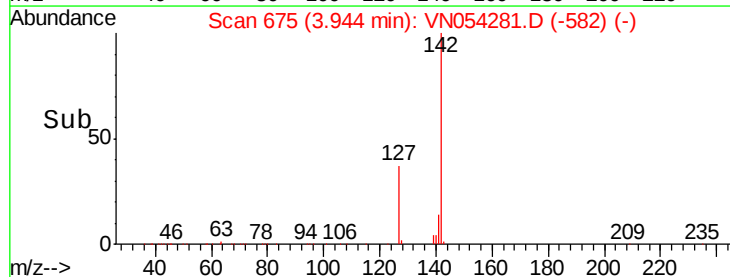
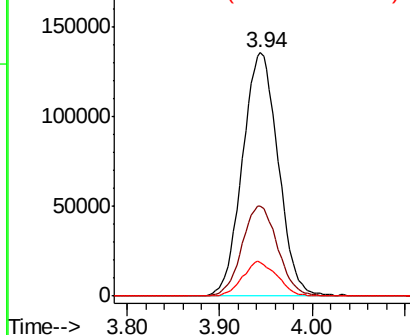
Lab File: VN054281.D

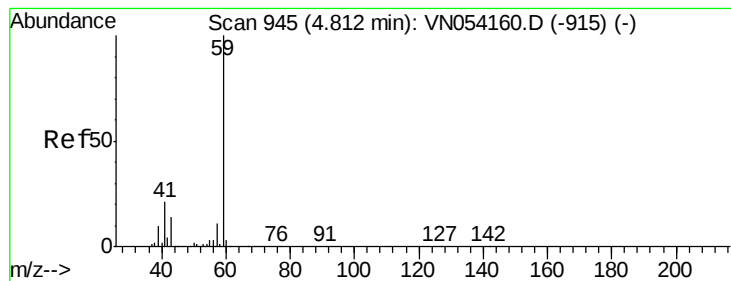
Acq: 15 Mar 2019 00:54

Tgt Ion:	142	Resp:	362872
Ion Ratio	Lower	Upper	
142	100		
127	36.9	30.3	45.5
141	13.7	11.2	16.8



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





#11

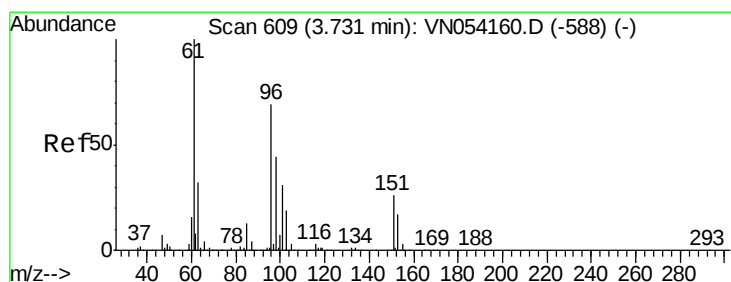
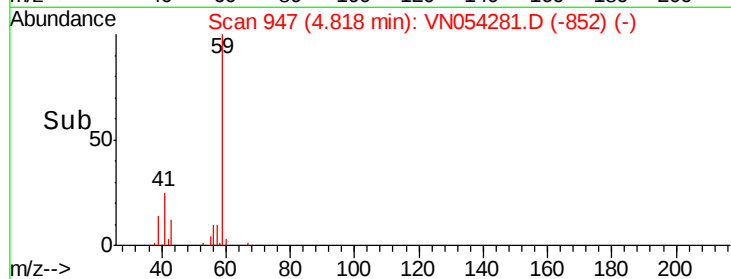
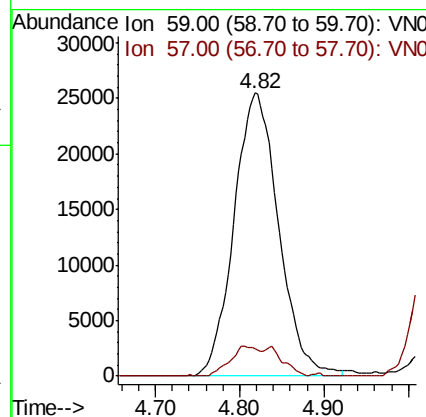
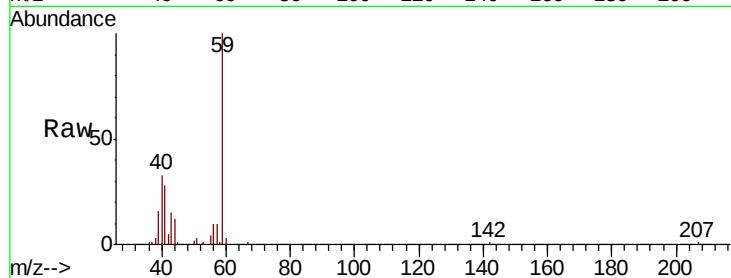
Tert butyl alcohol
 Concen: 96.826 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Tgt Ion: 59 Resp: 93553
 Ion Ratio Lower Upper
 59 100
 57 7.2 9.0 13.6#

Manual Integrations
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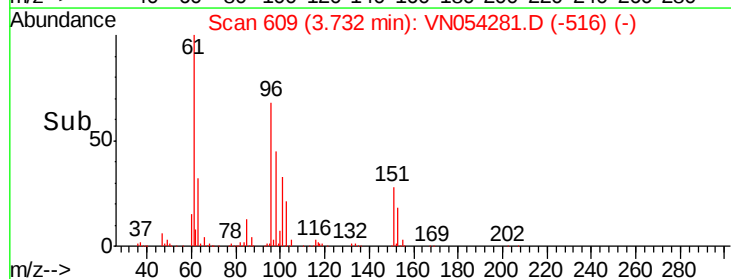
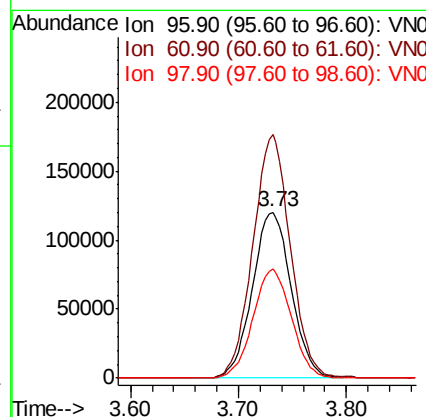
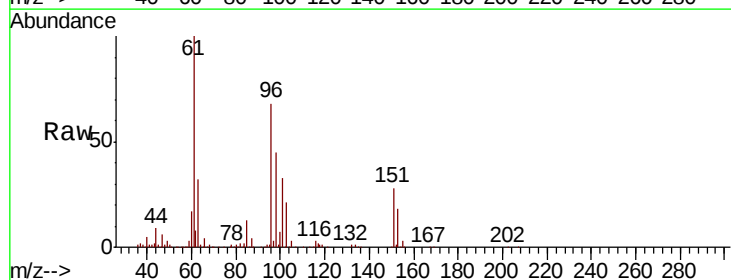
MMDadoda
 3/15/2019 10:14:22 AM

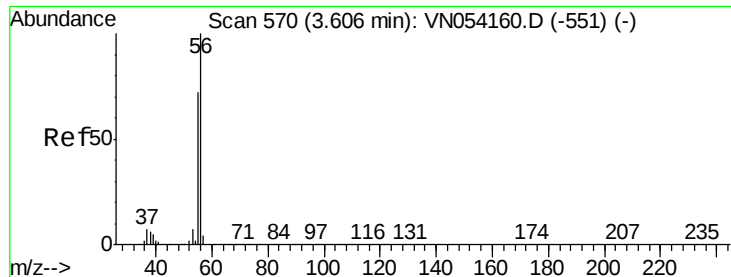


#12

1,1-Dichloroethene
 Concen: 21.660 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Tgt Ion: 96 Resp: 298635
 Ion Ratio Lower Upper
 96 100
 61 147.1 116.5 174.7
 98 65.9 51.0 76.4





#13

Acrolein

Concen: 72.505 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion: 56 Resp: 66382

Ion Ratio Lower Upper

56 100

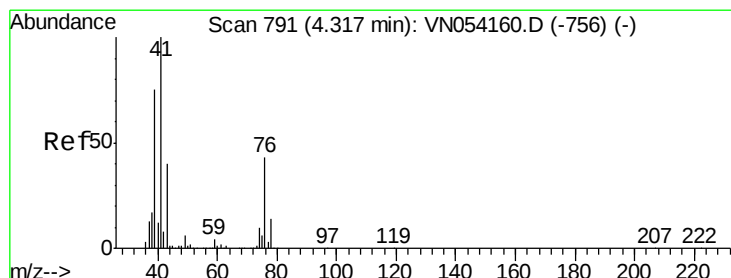
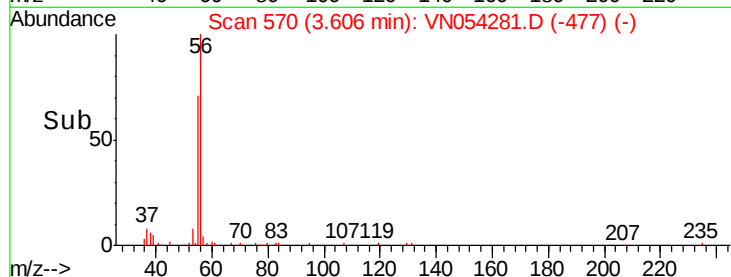
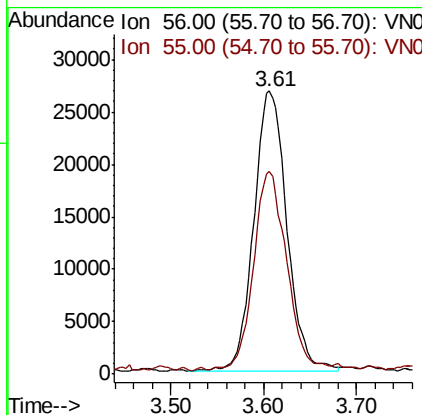
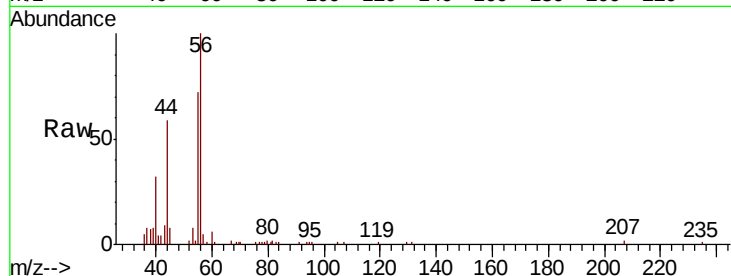
55 70.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.535 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

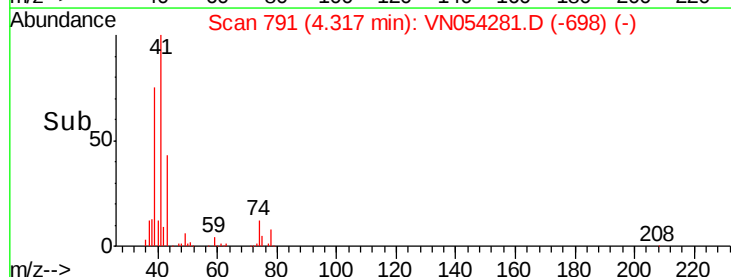
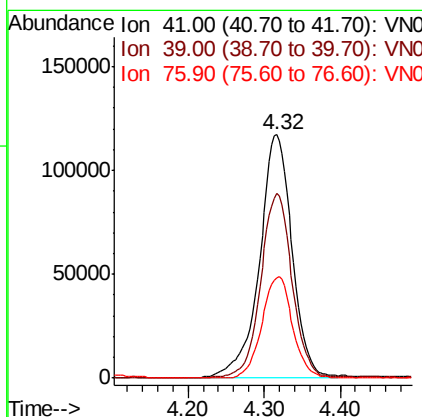
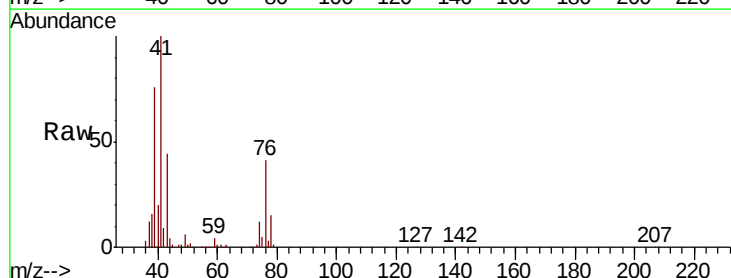
Tgt Ion: 41 Resp: 345557

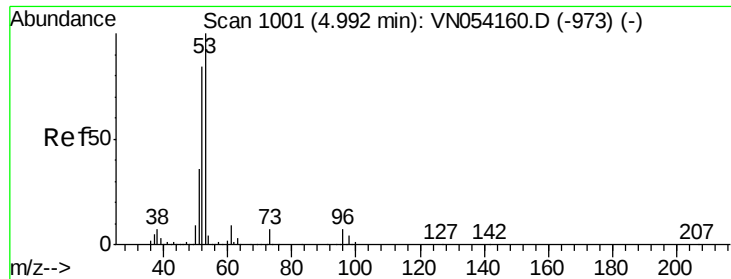
Ion Ratio Lower Upper

41 100

39 72.4 58.2 87.4

76 39.7 31.7 47.5





#15

Acrylonitrile

Concen: 110.852 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

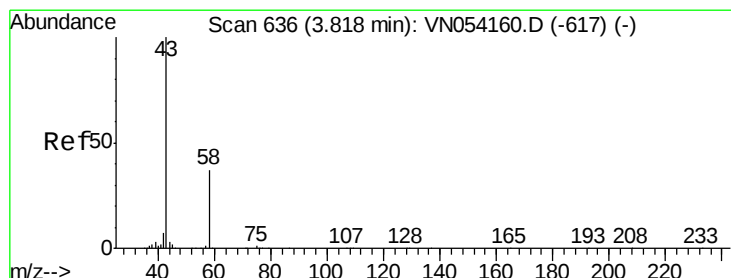
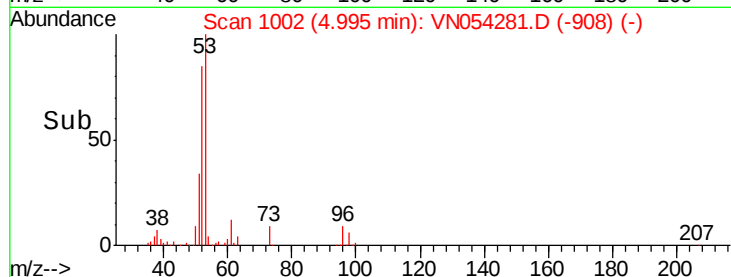
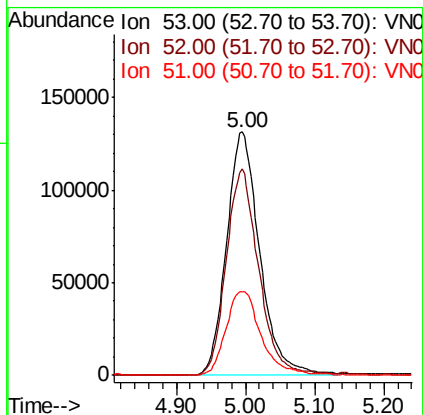
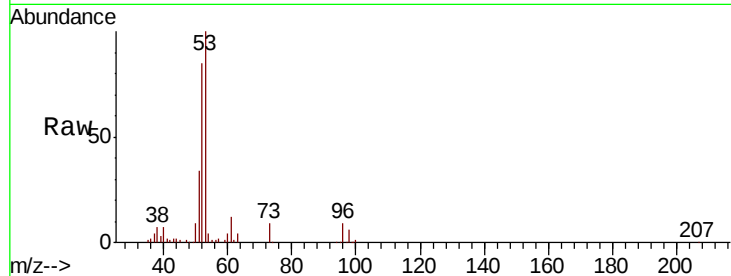
ClientSampleId :

VN0314WBS02

Tgt Ion:	53	Resp:	439953
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.4	99.6
51	36.7	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 79.140 ug/l

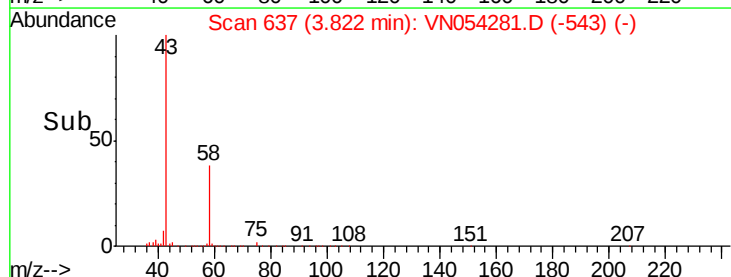
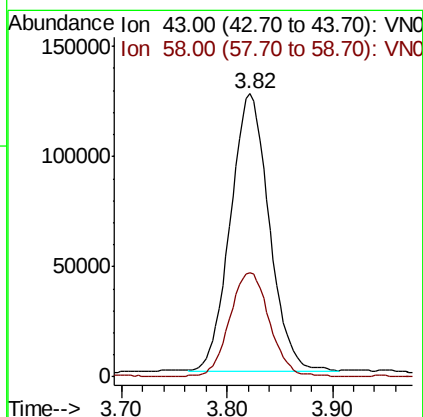
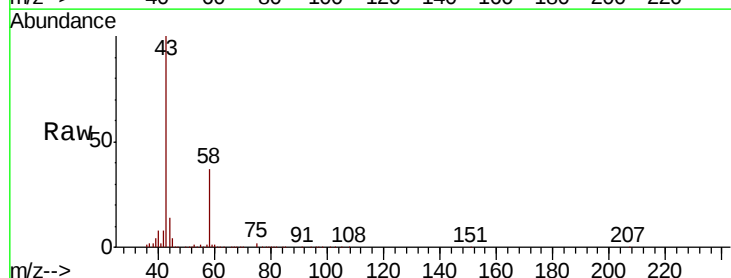
RT: 3.82 min Scan# 637

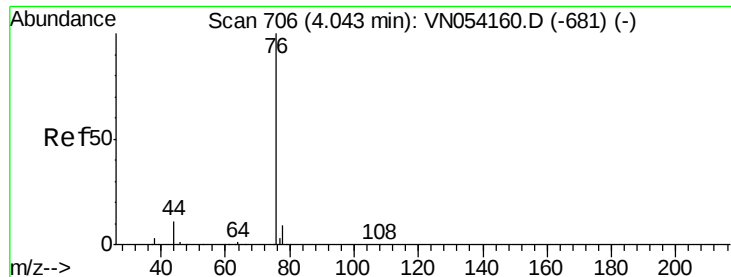
Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Tgt Ion:	43	Resp:	319359
Ion Ratio	Lower	Upper	
43	100		
58	37.4	29.9	44.9





#17

Carbon Disulfide

Concen: 17.434 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampled :

VN0314WBS02

Tgt Ion: 76 Resp: 602556

Ion Ratio Lower Upper

76 100

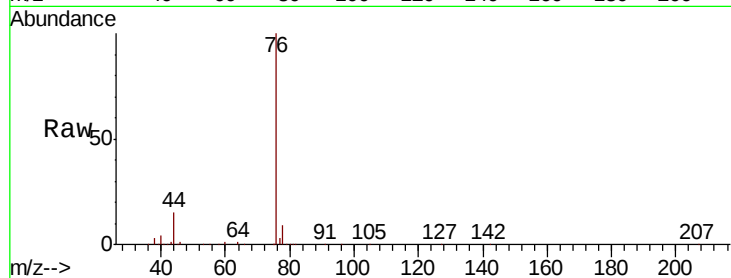
78 9.0 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

250000

200000

150000

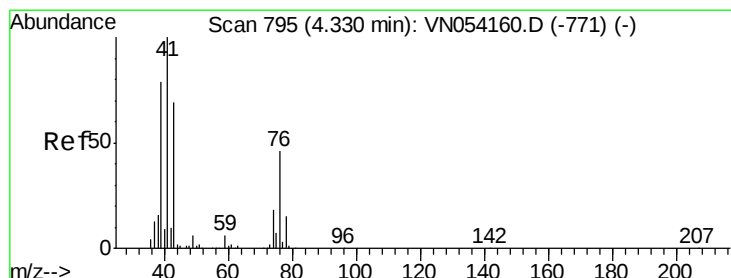
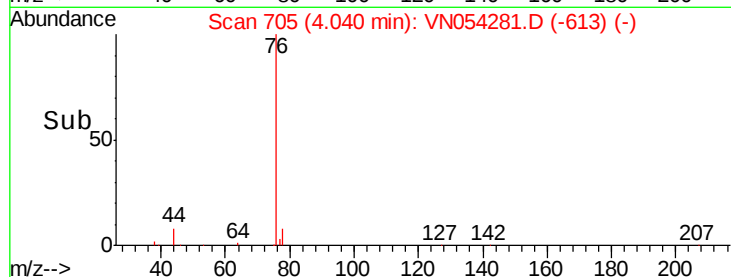
100000

50000

0

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 24.406 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054281.D

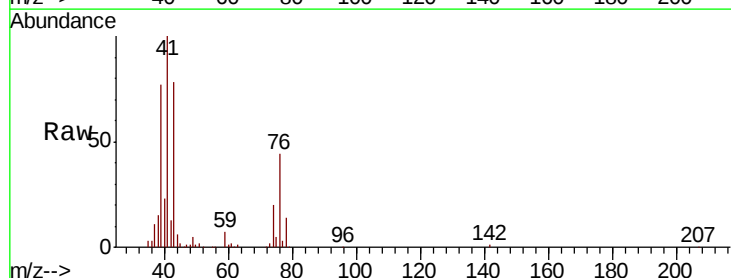
Acq: 15 Mar 2019 00:54

Tgt Ion: 43 Resp: 199256

Ion Ratio Lower Upper

43 100

74 26.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

60000

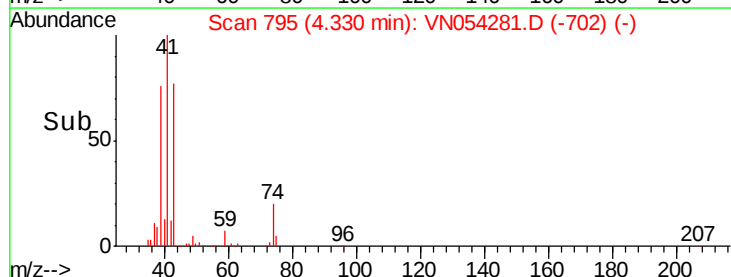
40000

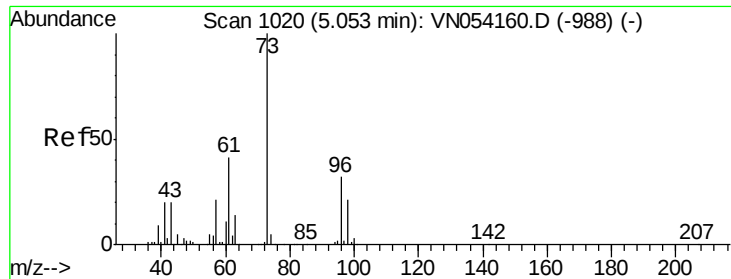
20000

0

4.20 4.30 4.40

Time-->





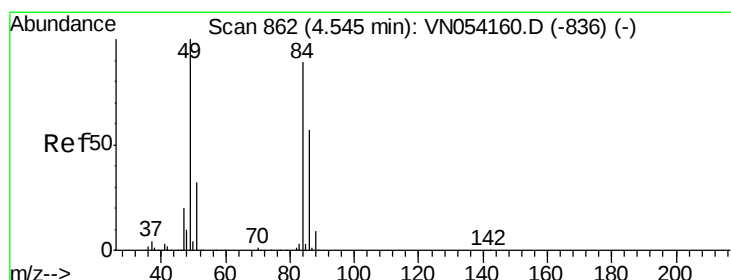
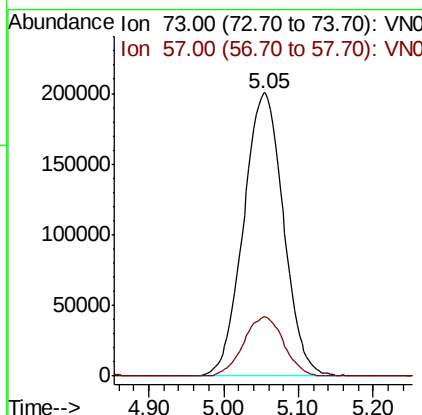
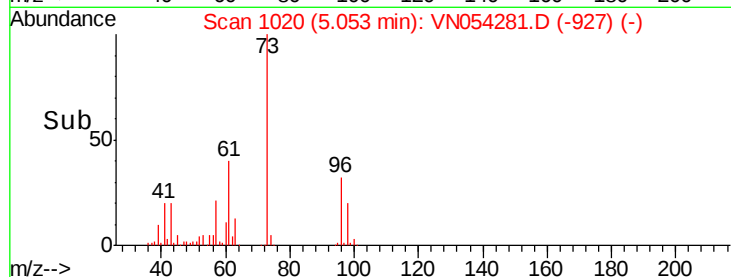
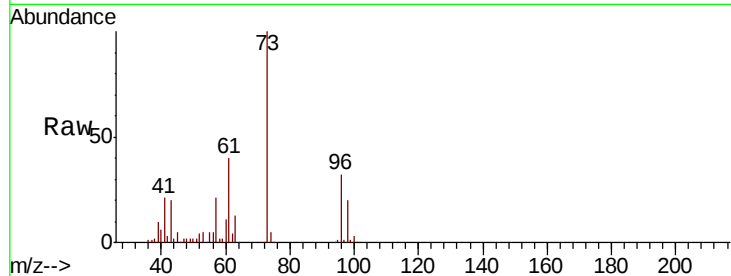
#19
Methyl tert-butyl Ether
Concen: 21.812 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion: 73 Resp: 745410
Ion Ratio Lower Upper
73 100
57 20.9 16.8 25.2

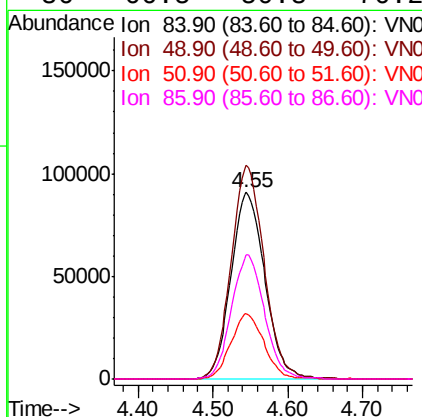
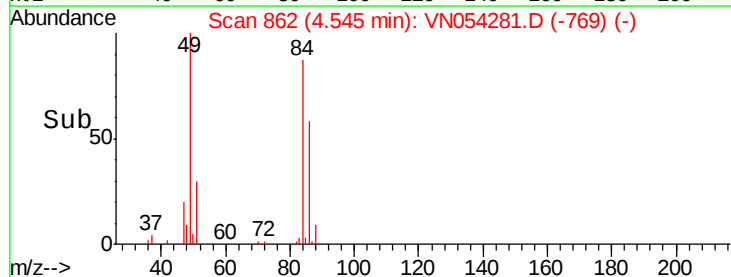
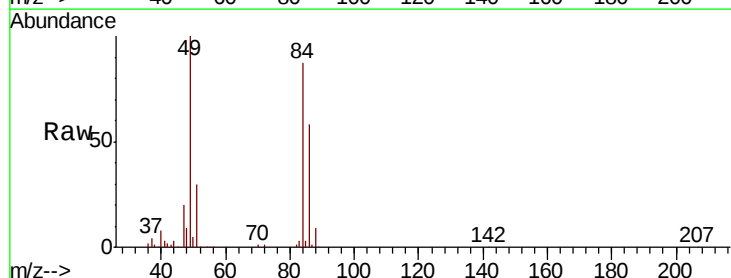
Manual Integrations
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#20
Methylene Chloride
Concen: 21.587 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion: 84 Resp: 286037
Ion Ratio Lower Upper
84 100
49 114.3 89.7 134.5
51 34.9 28.2 42.4
86 66.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.054 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

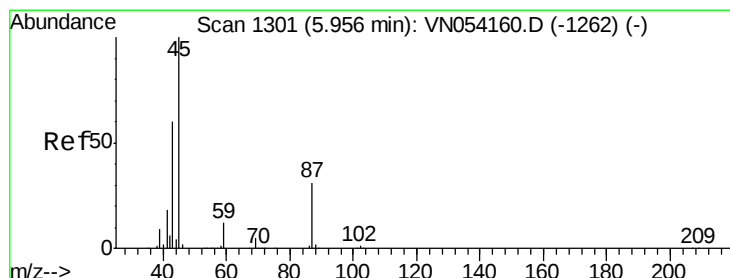
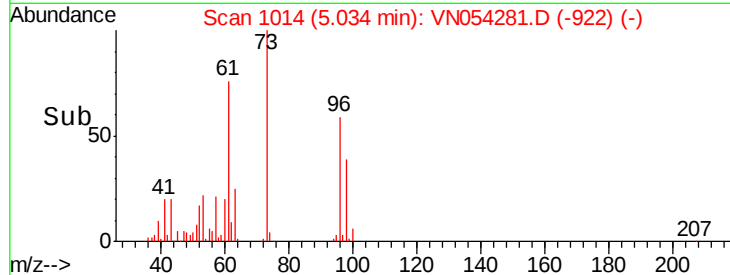
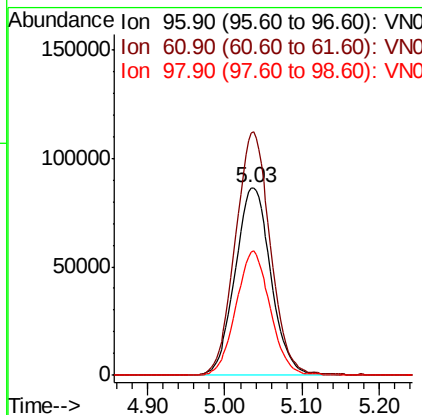
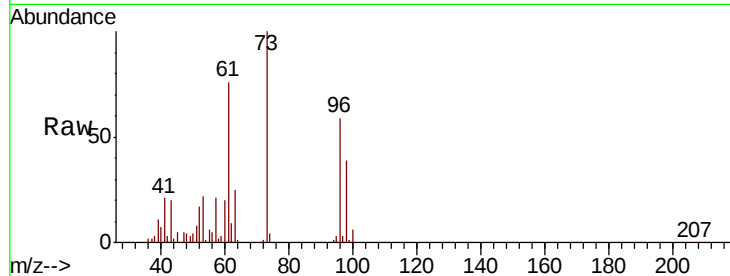
ClientSampled :

VN0314WBS02

Tgt Ion:	96	Resp:	278119
Ion	Ratio	Lower	Upper
96	100		
61	129.3	102.8	154.2
98	65.7	50.0	75.0

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:14:22 AM



#22

Diisopropyl ether

Concen: 21.466 ug/l

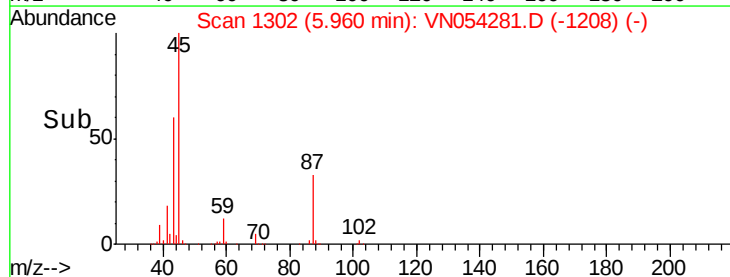
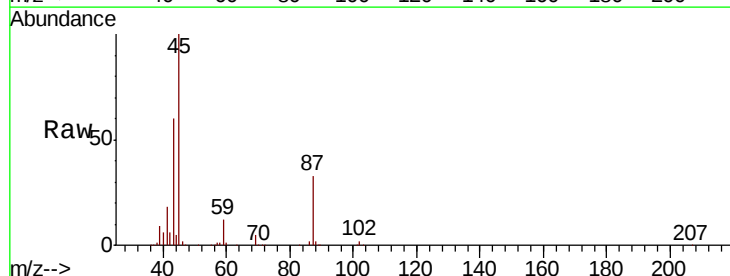
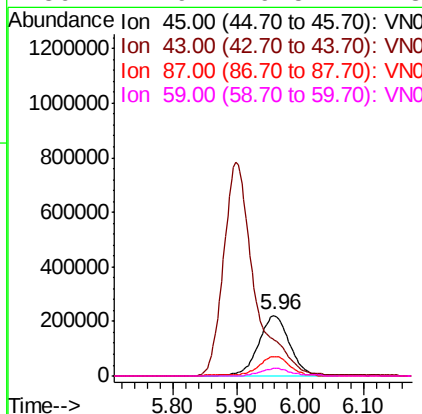
RT: 5.96 min Scan# 1302

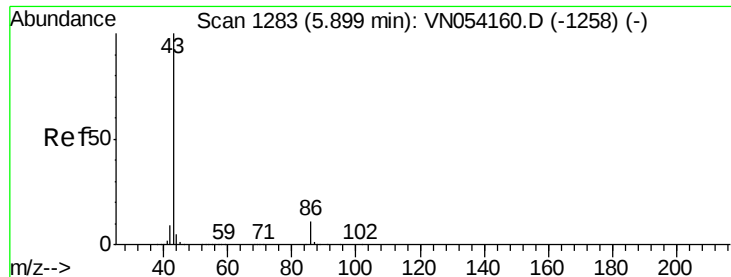
Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Tgt Ion:	45	Resp:	757837
Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.2	72.2
87	32.0	24.9	37.3
59	11.9	9.5	14.3





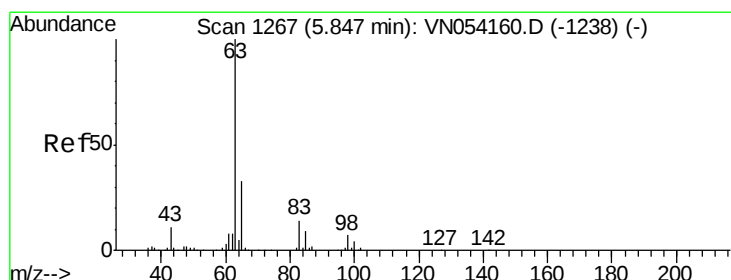
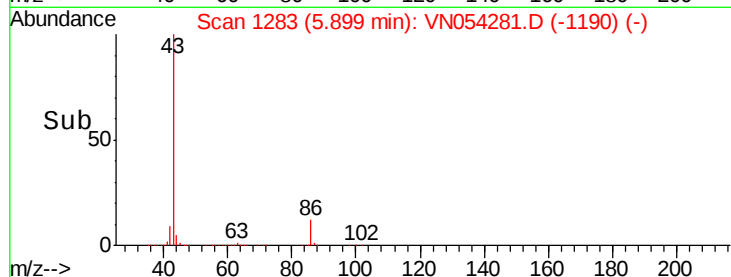
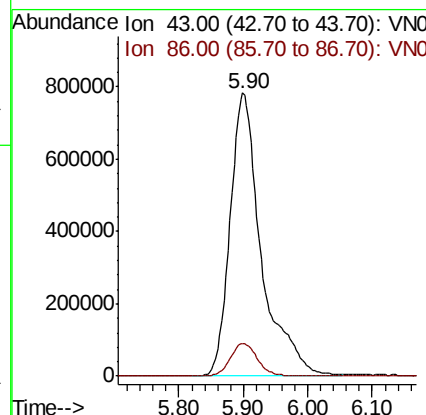
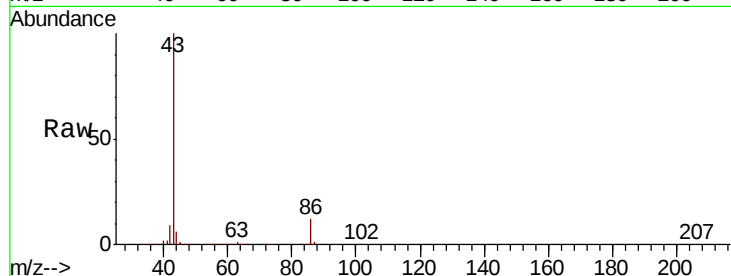
#23
 Vinyl Acetate
 Concen: 101.446 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Tgt Ion: 43 Resp: 2640685
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.1 13.7

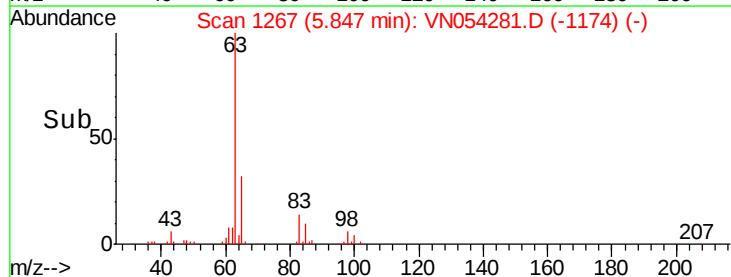
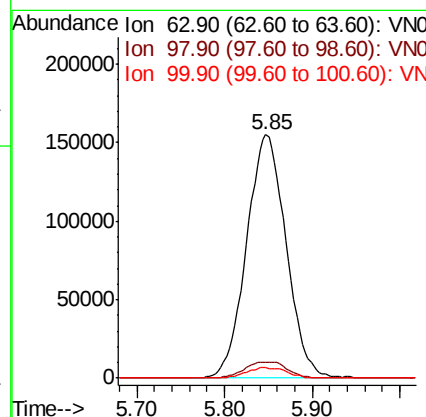
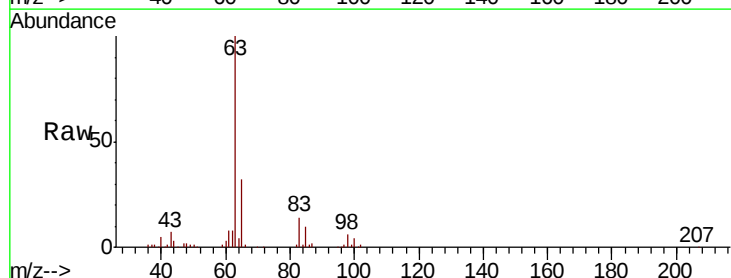
Manual Integrations
 APPROVED

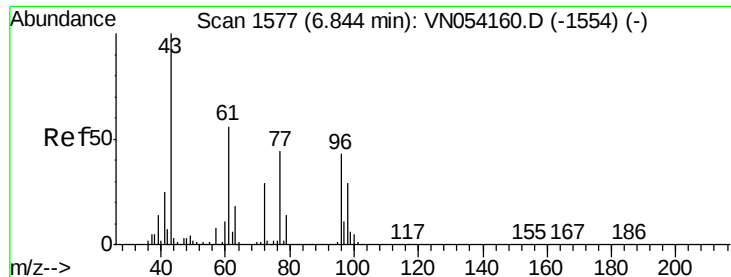
MMDadoda
 3/15/2019 10:14:22 AM



#24
 1,1-Dichloroethane
 Concen: 21.425 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Tgt Ion: 63 Resp: 485674
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.5 10.5
 100 4.3 2.0 6.0





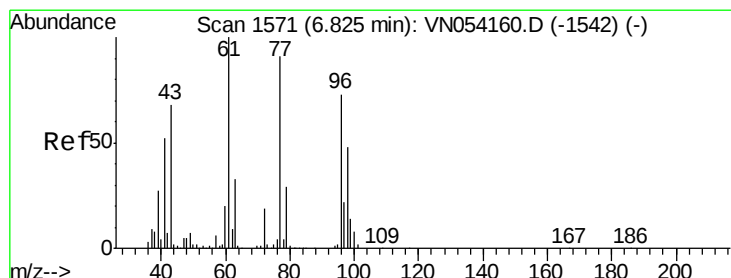
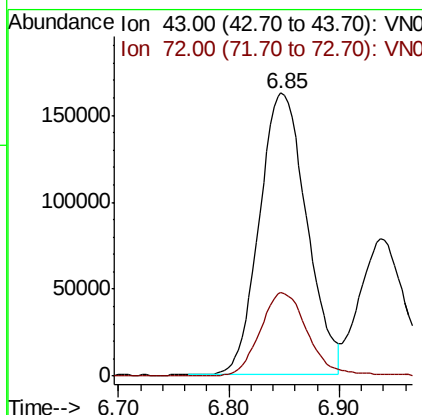
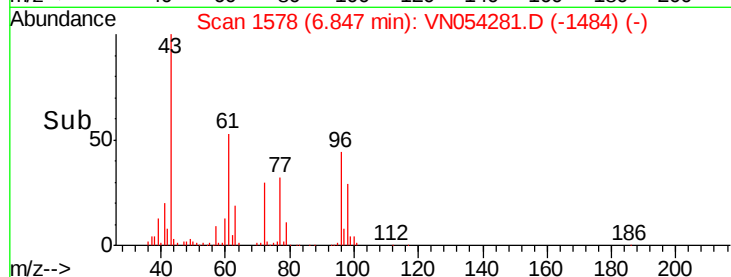
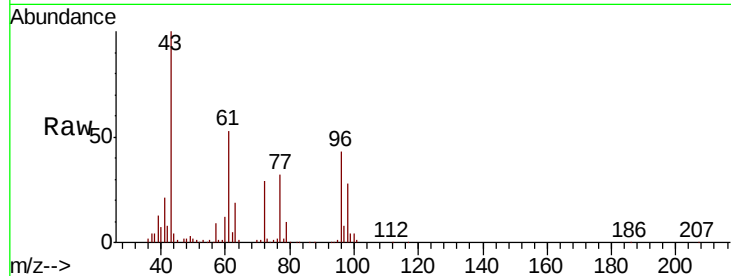
#25
2-Butanone
Concen: 102.045 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampled :
VN0314WBS02

Tgt Ion: 43 Resp: 483318
Ion Ratio Lower Upper
43 100
72 29.5 23.0 34.6

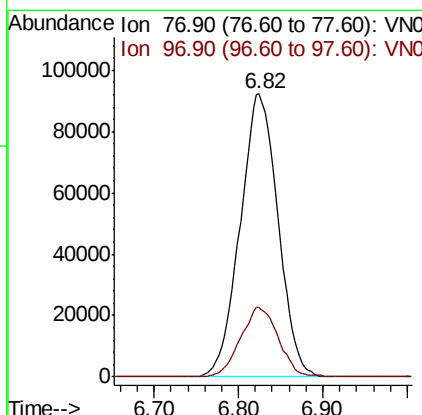
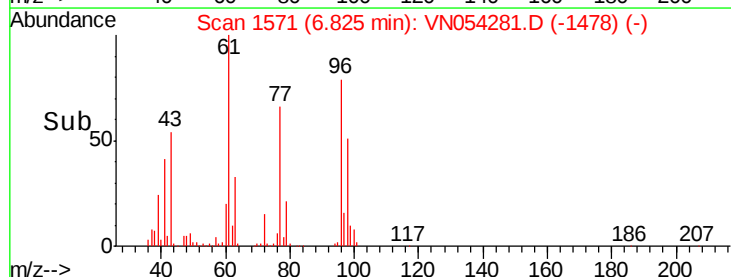
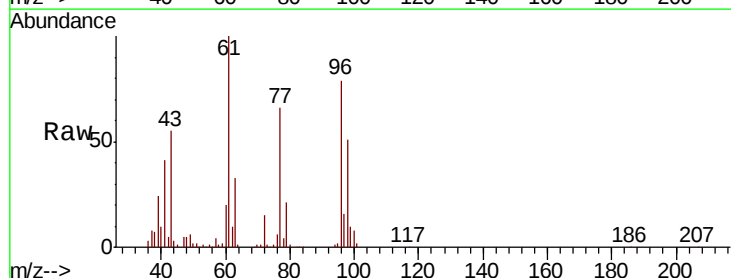
Manual Integrations
APPROVED

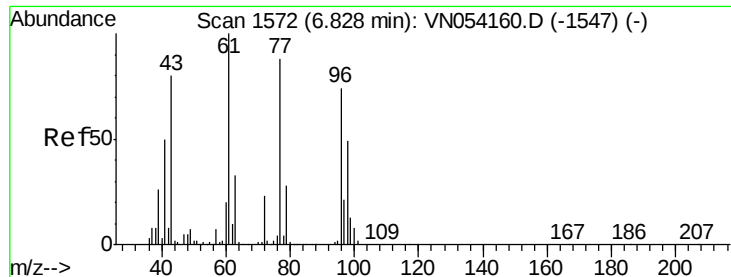
MMDadoda
3/15/2019 10:14:22 AM



#26
2,2-Dichloropropane
Concen: 14.445 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion: 77 Resp: 287957
Ion Ratio Lower Upper
77 100
97 24.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.233 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

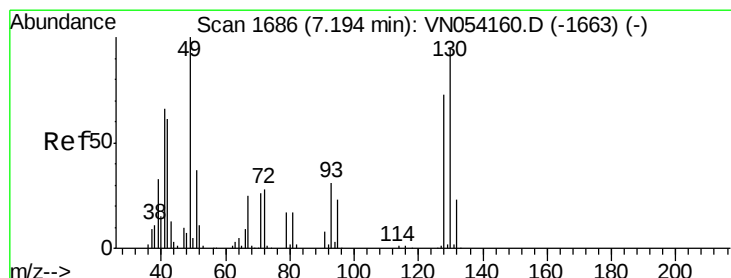
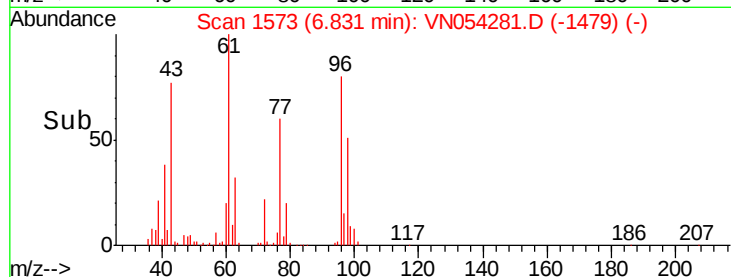
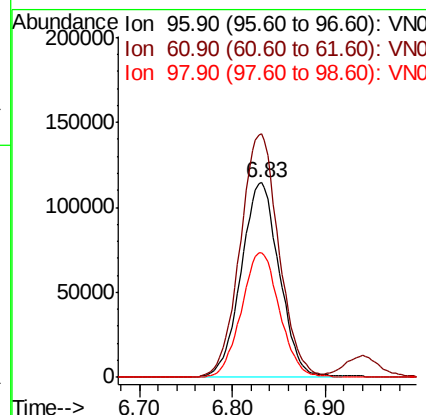
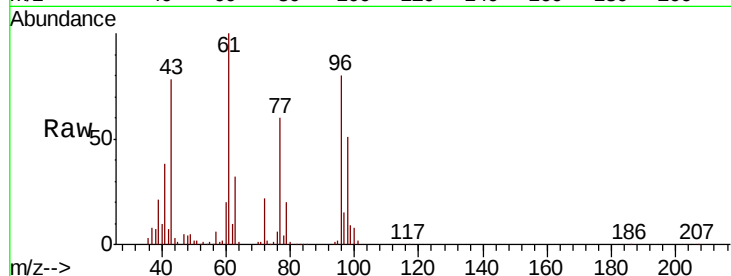
ClientSampleId :

VN0314WBS02

Tgt Ion:	96	Resp:	327645
Ion Ratio	Lower	Upper	
96	100		
61	126.4	0.0	273.0
98	64.1	0.0	130.6

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3/15/2019 10:14:22 AM



#28

Bromochloromethane

Concen: 20.287 ug/l

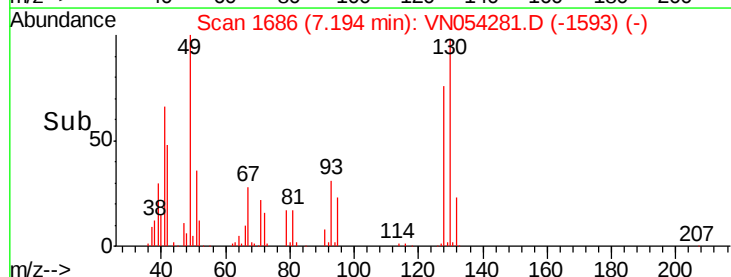
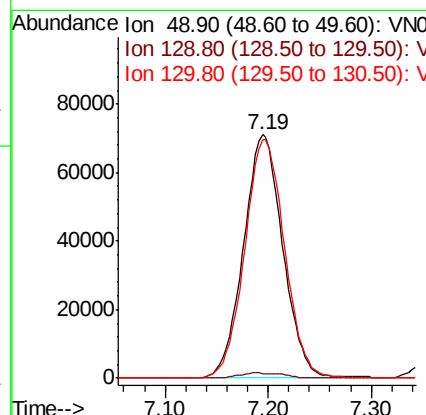
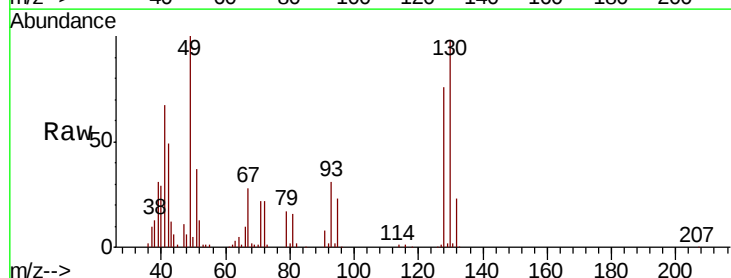
RT: 7.19 min Scan# 1686

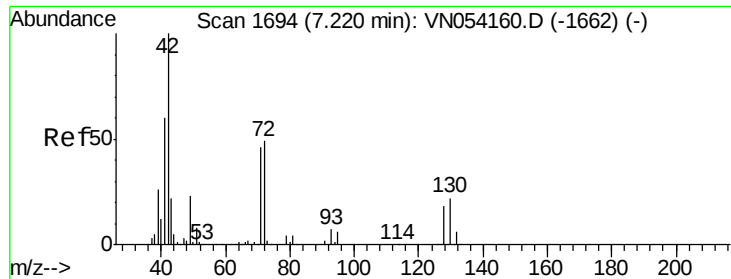
Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Tgt Ion:	49	Resp:	188006
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	4.6
130	99.4	76.7	115.1





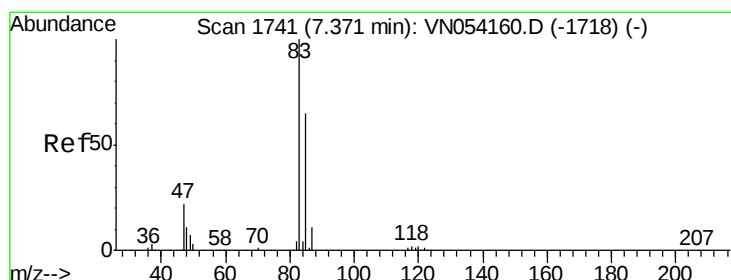
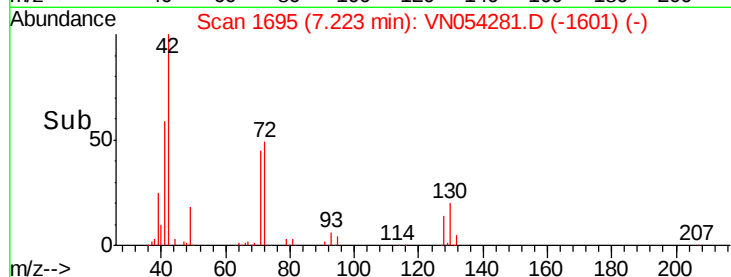
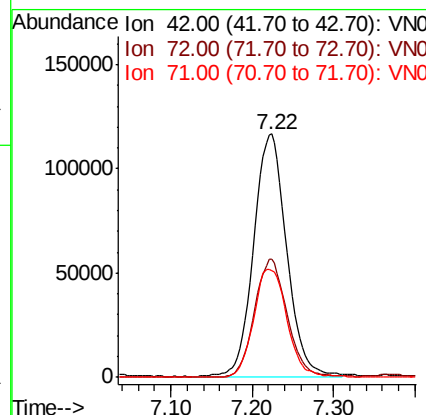
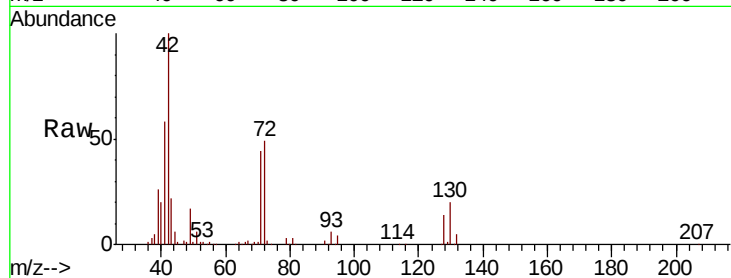
#29
Tetrahydrofuran
Concen: 106.567 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.3	37.8	56.6
71	45.3	36.2	54.2

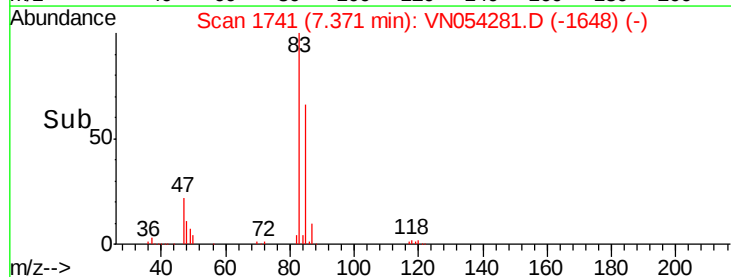
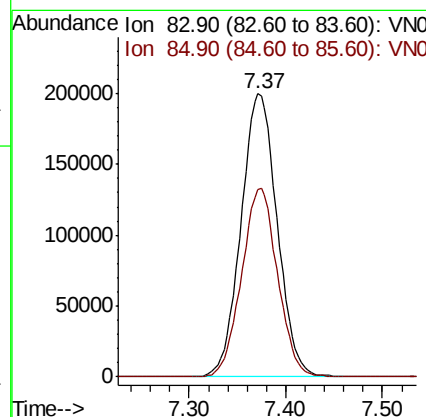
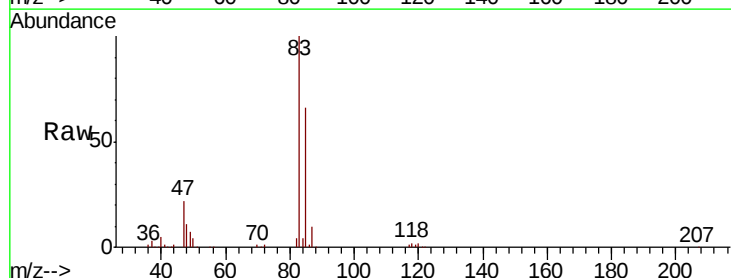
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#30
Chloroform
Concen: 21.907 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4





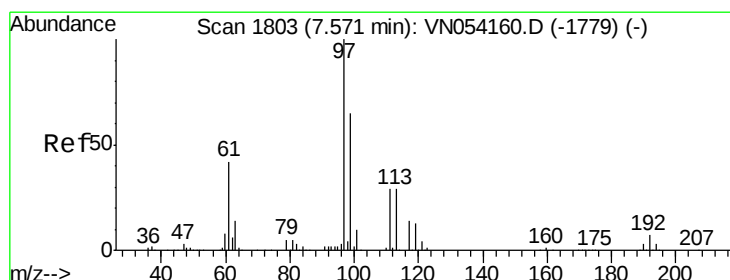
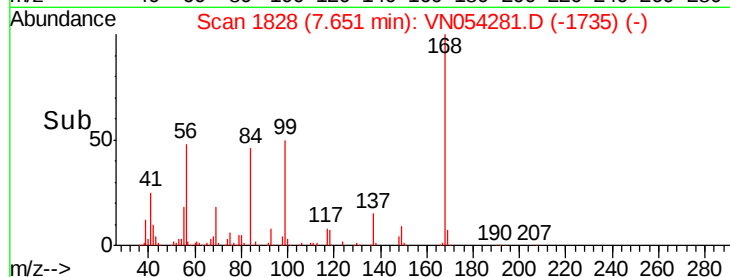
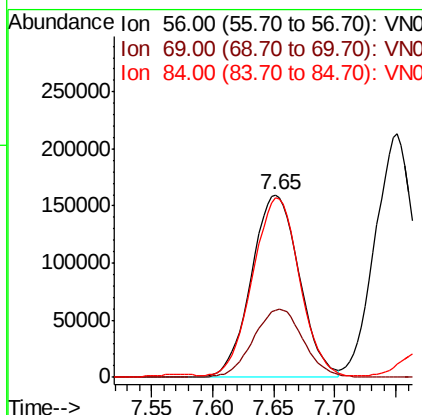
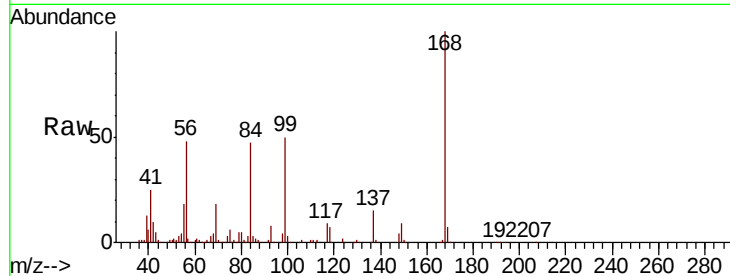
#31
Cyclohexane
Concen: 19.761 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.9	27.8	41.6
84	96.9	74.6	111.8

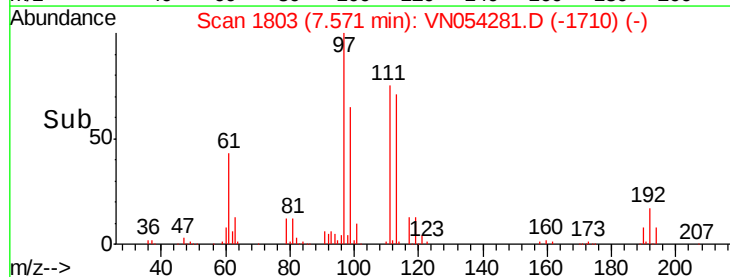
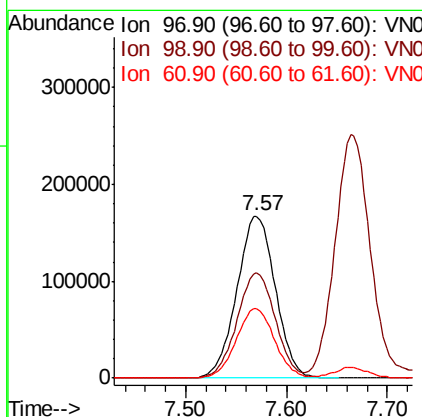
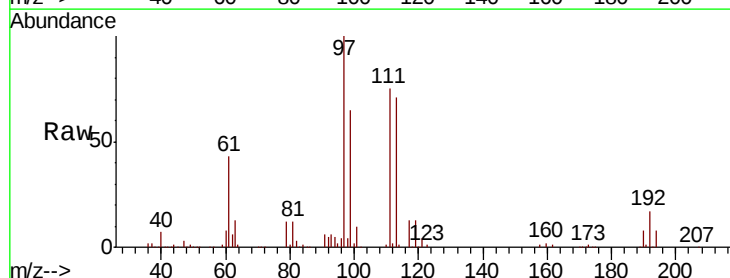
Manual Integrations
APPROVED

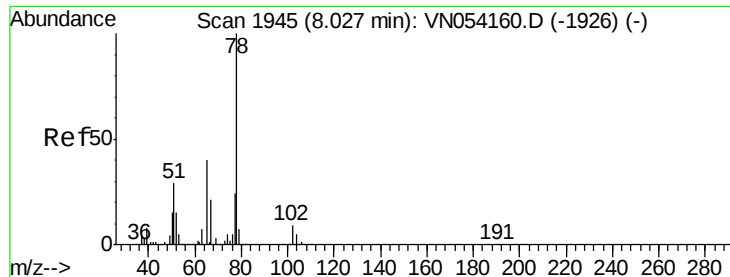
MMDadoda
3/15/2019 10:14:22 AM



#32
1,1,1-Trichloroethane
Concen: 20.714 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	42.8	33.6	50.4





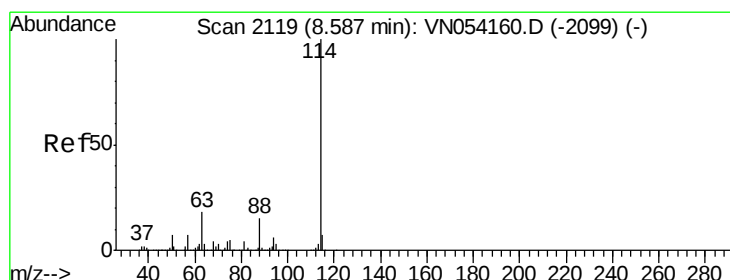
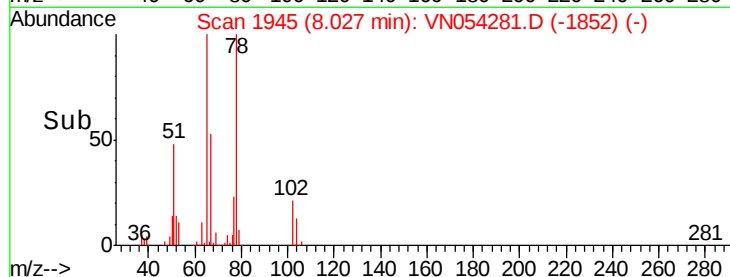
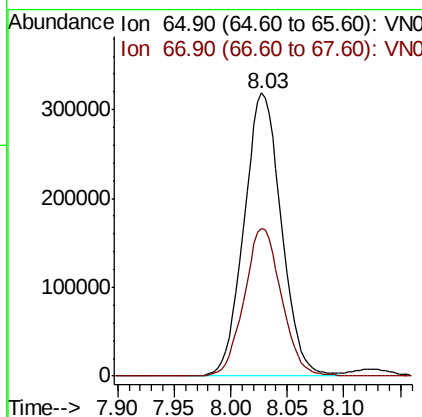
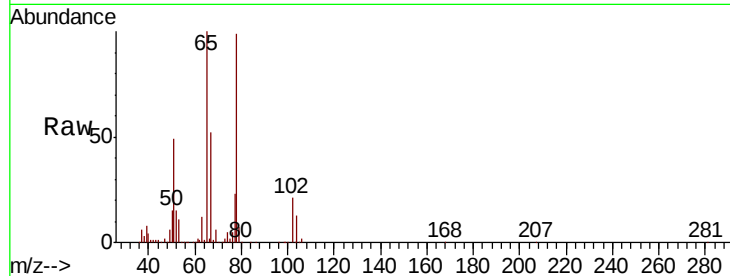
#33
 1,2-Dichloroethane-d4
 Concen: 51.916 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Tgt Ion: 65 Resp: 731695
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6

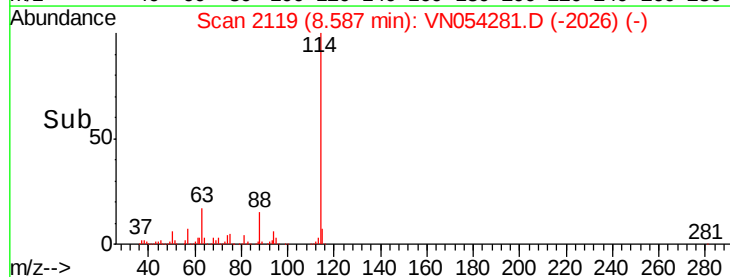
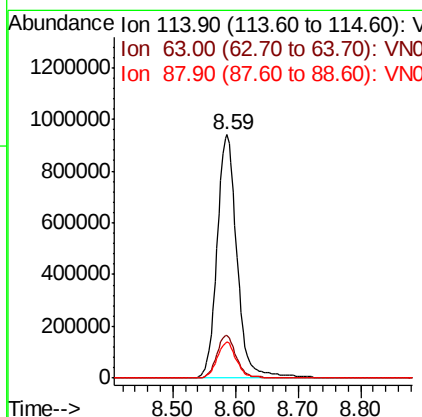
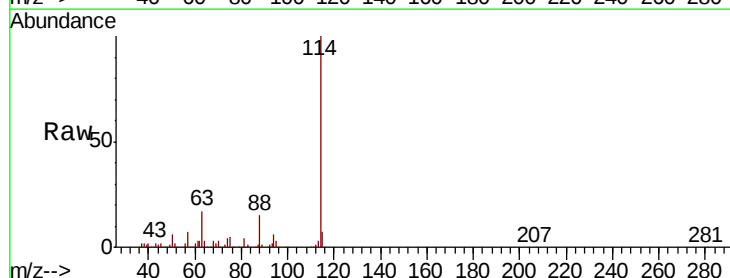
Manual Integrations
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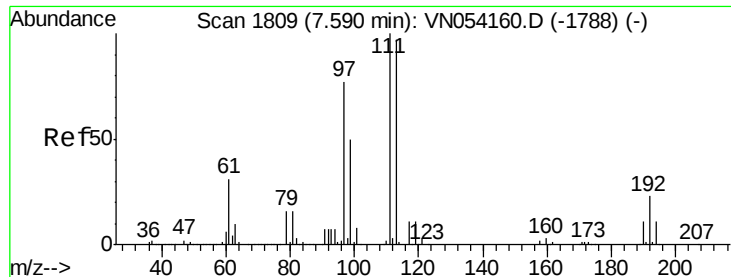
MMDadoda
 3/15/2019 10:14:22 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Tgt Ion: 114 Resp: 2075162
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 14.9 0.0 30.2





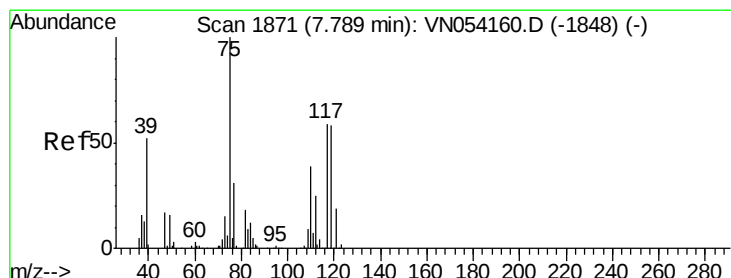
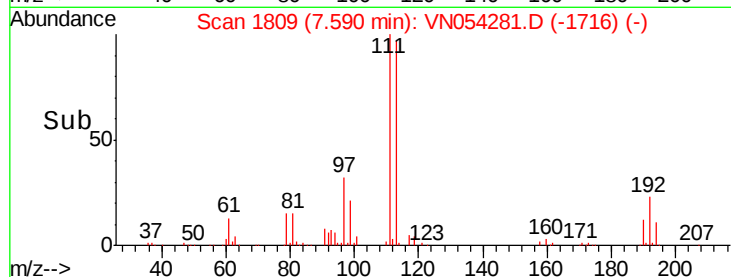
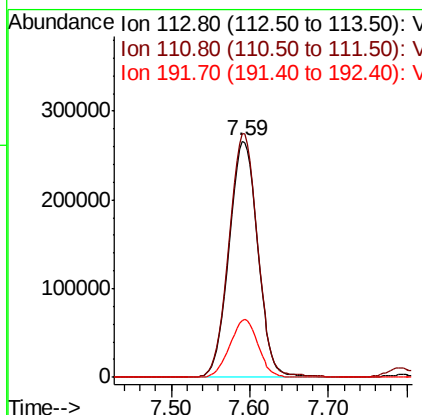
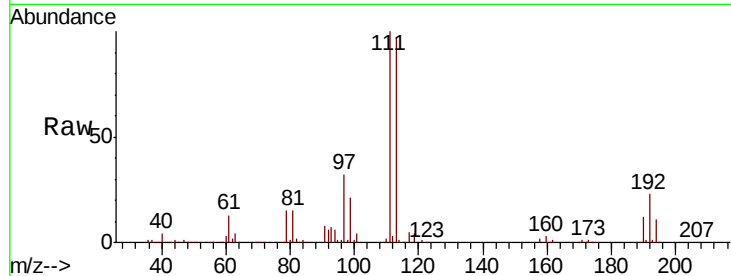
#35
 Dibromofluoromethane
 Concen: 50.416 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	674764		
111	103.1	82.2	123.4	
192	24.1	19.2	28.8	

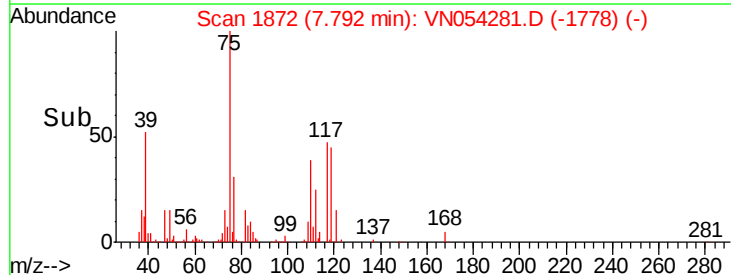
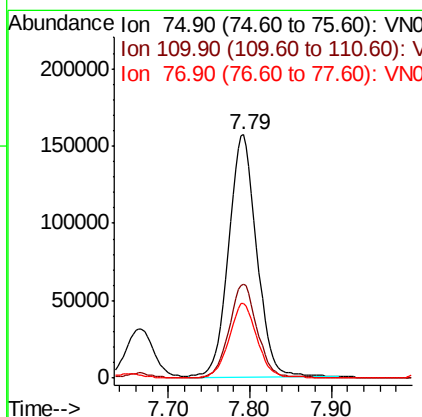
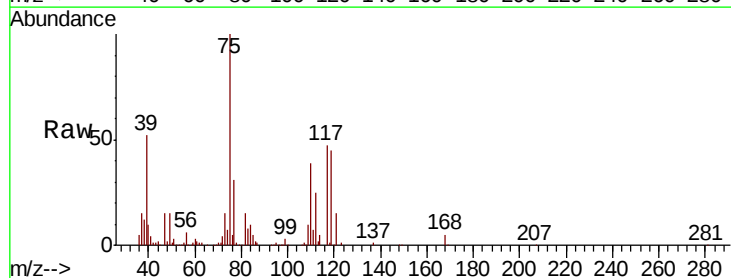
Manual Integrations
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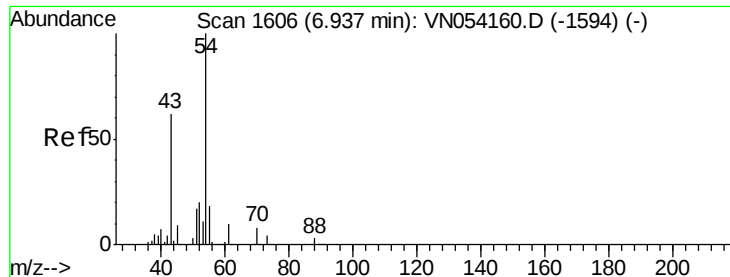
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.820 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	378764		
110	39.0	19.1	57.5	
77	31.2	25.0	37.4	





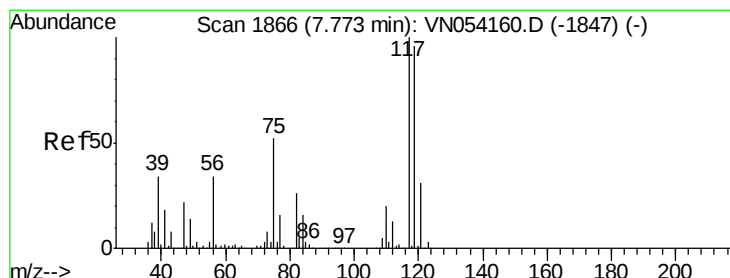
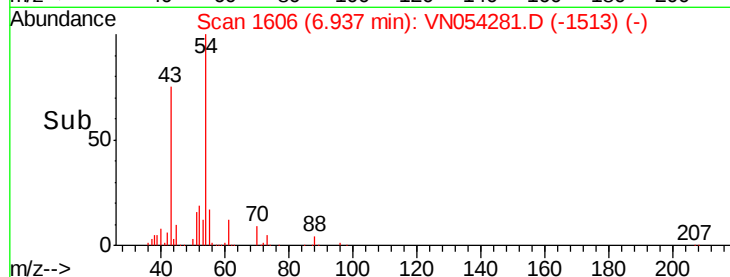
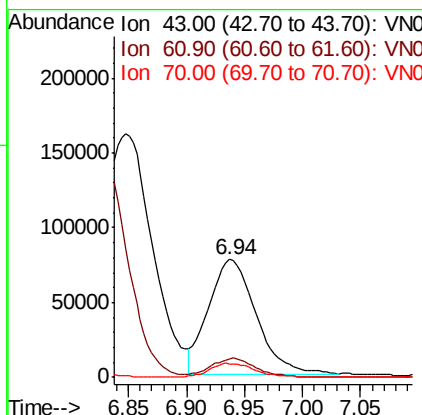
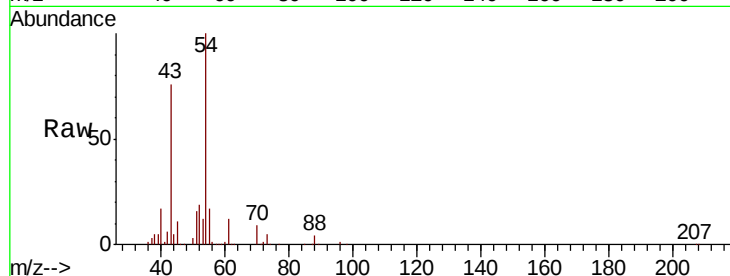
#37
Ethyl Acetate
Concen: 20.076 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	11.3	8.4	12.6

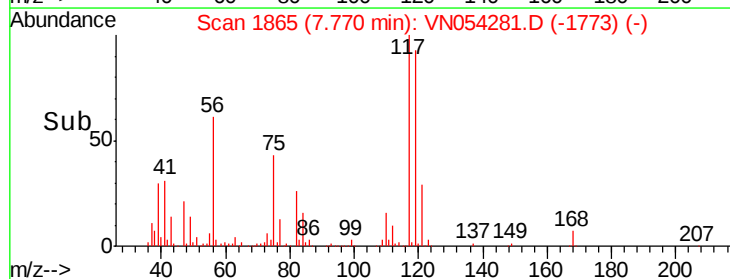
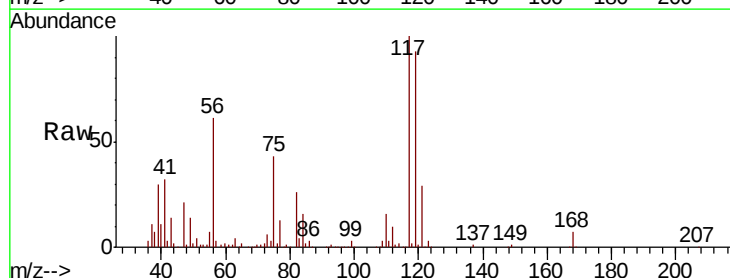
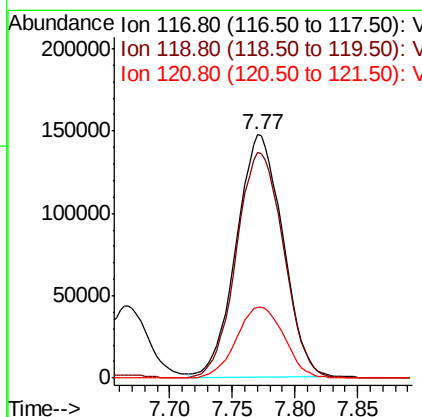
Manual Integrations
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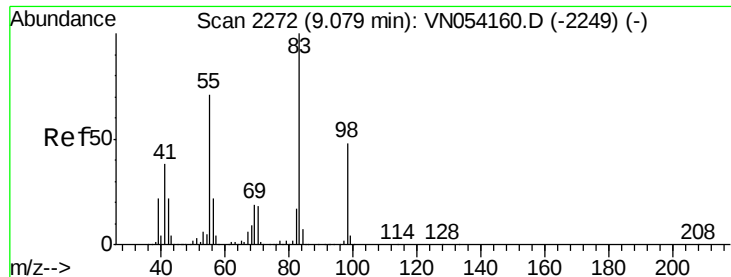
MMDadoda
3/15/2019 10:14:22 AM



#38
Carbon Tetrachloride
Concen: 18.850 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.3	114.5
121	29.2	24.6	36.8





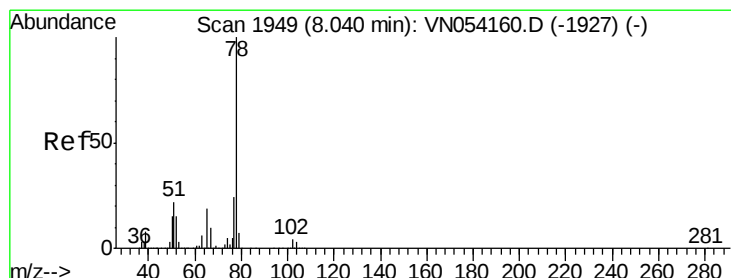
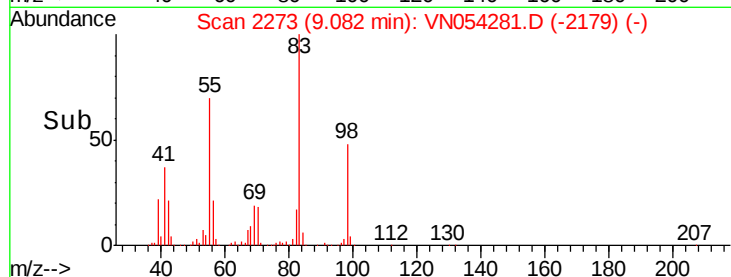
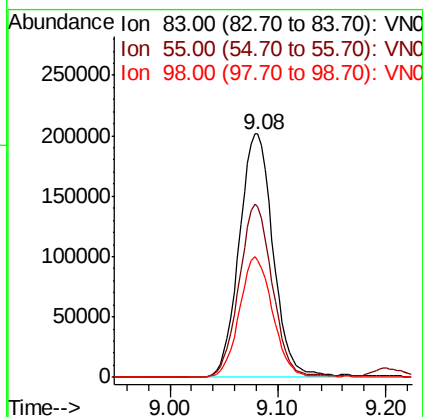
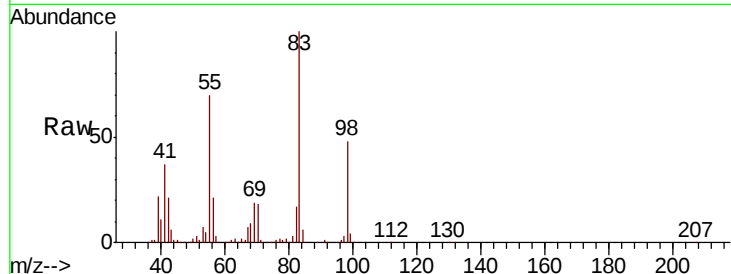
#39
Methylcyclohexane
Concen: 18.783 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampled :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.3	56.6	84.8
98	48.0	38.4	57.6

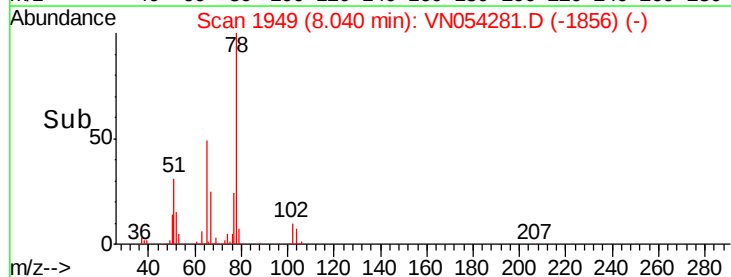
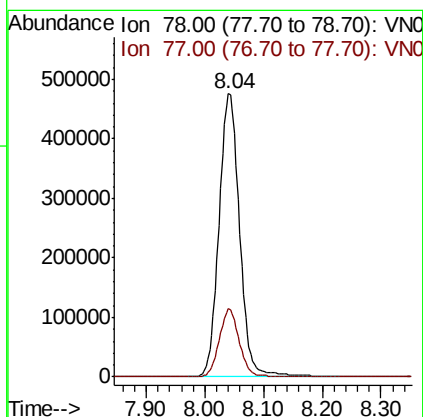
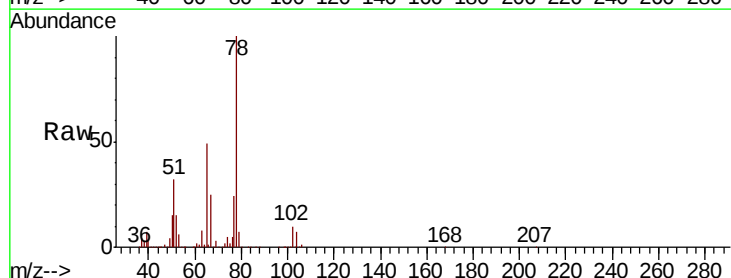
Manual Integrations
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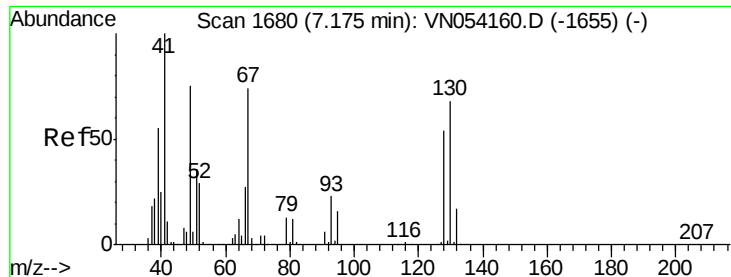
MMDadoda
3/15/2019 10:14:22 AM



#40
Benzene
Concen: 21.061 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





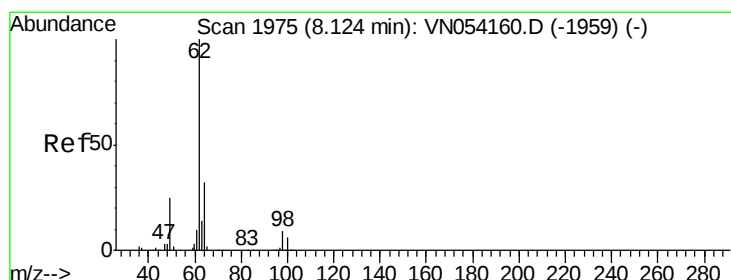
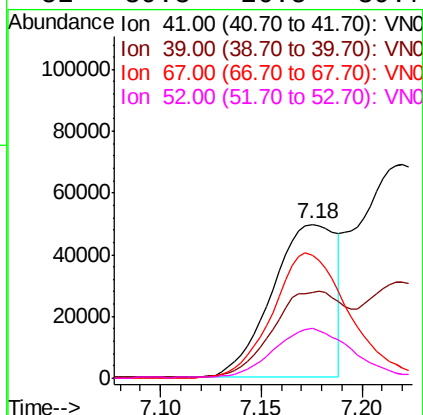
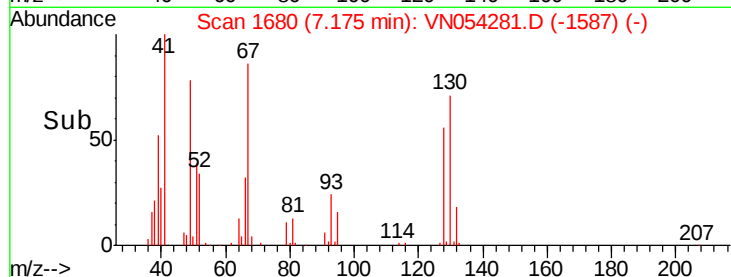
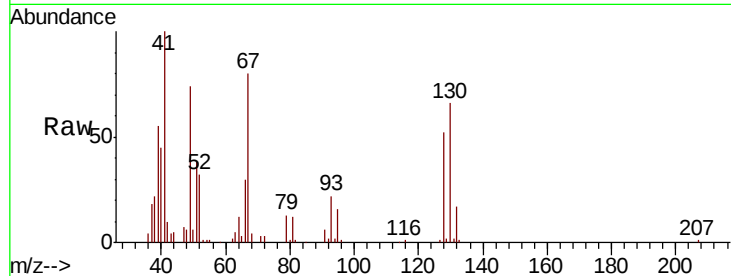
#41
Methacrylonitrile
Concen: 17.501 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.7	46.8	70.2
67	98.9	67.0	100.4
52	39.3	26.5	39.7

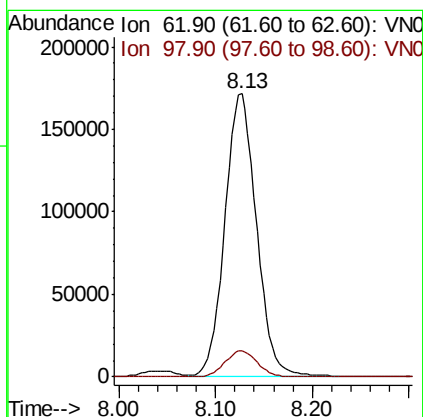
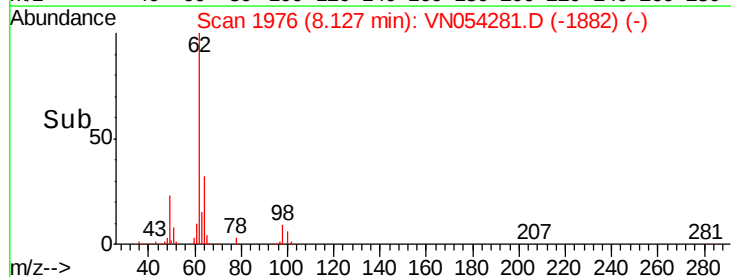
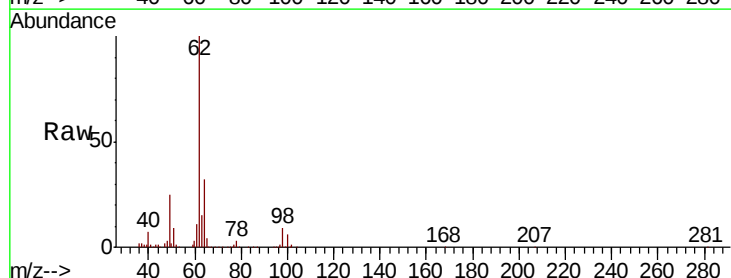
Manual Integrations
APPROVED

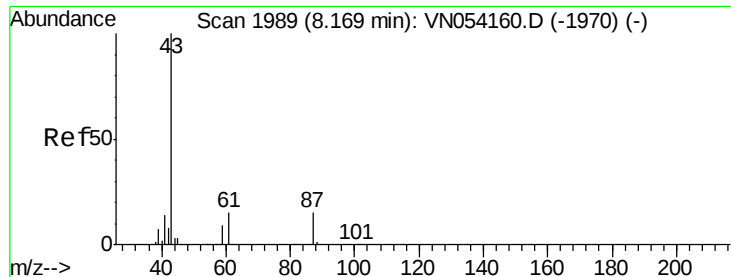
MMDadoda
3/15/2019 10:14:22 AM



#42
1,2-Dichloroethane
Concen: 21.025 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 19.371 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

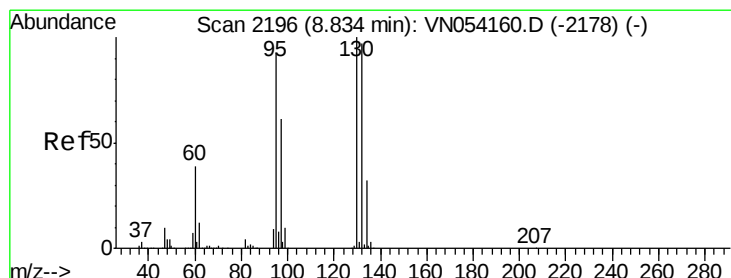
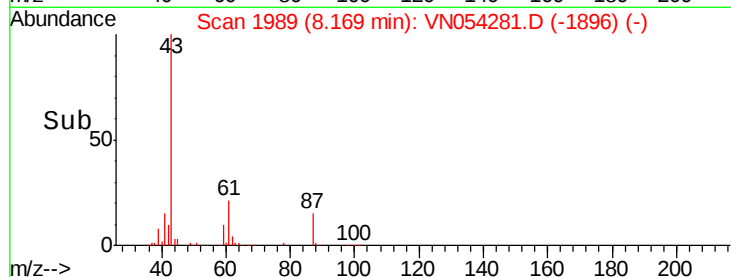
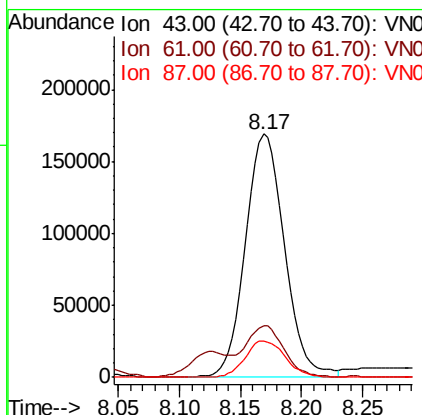
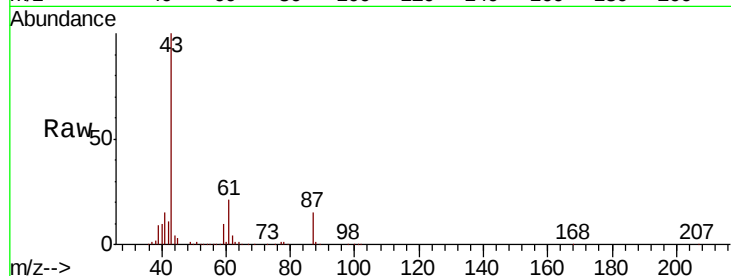
ClientSampleId :

VN0314WBS02

Tgt Ion:	43	Resp:	373360
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.8	23.8
87	15.3	12.0	18.0

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3/15/2019 10:14:22 AM



#44

Trichloroethene

Concen: 20.613 ug/l

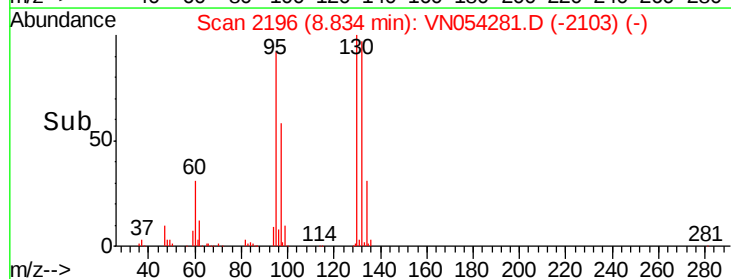
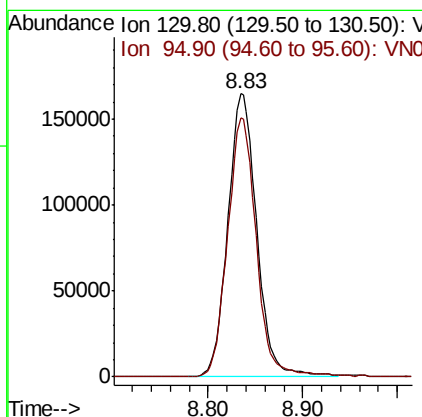
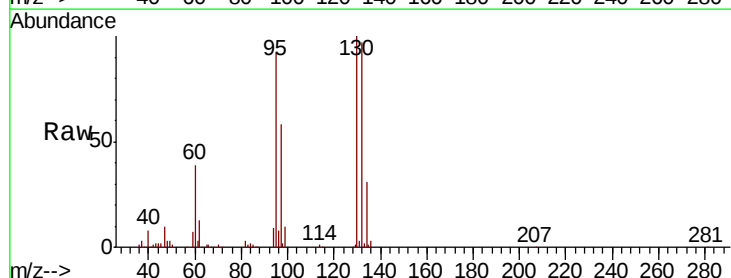
RT: 8.83 min Scan# 2196

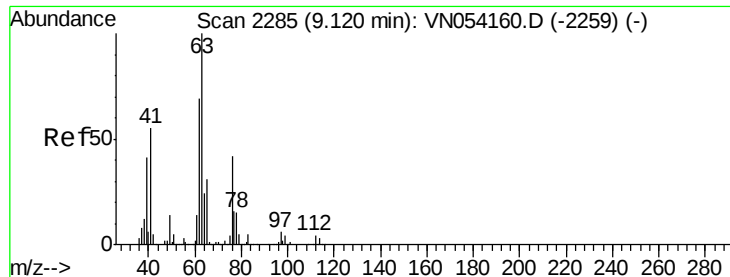
Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Tgt Ion:	130	Resp:	350174
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	185.2





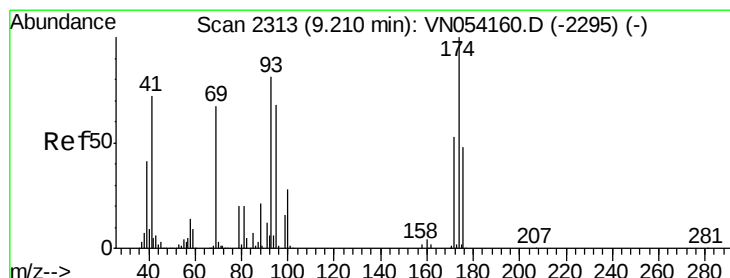
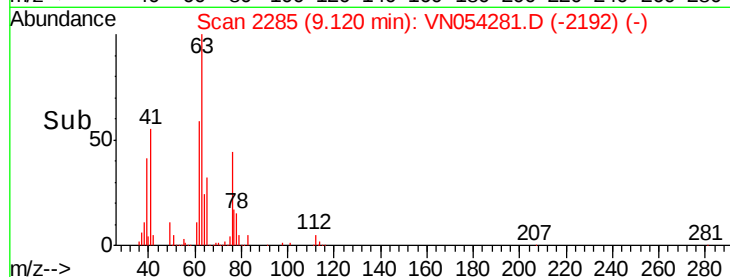
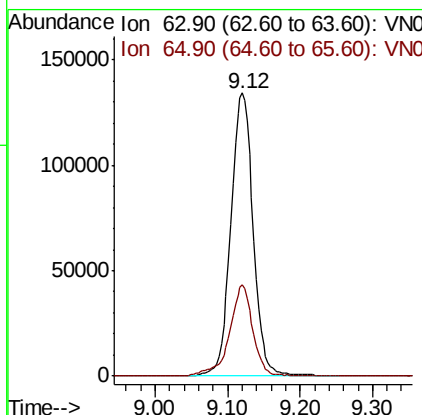
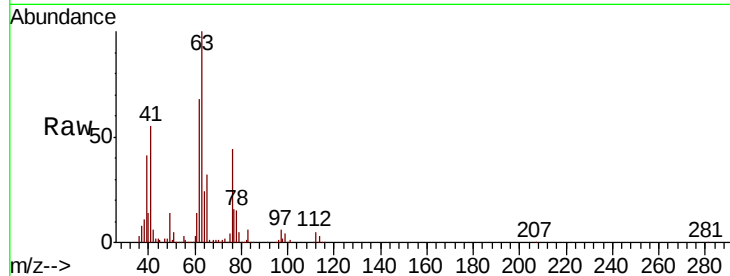
#45
 1,2-Dichloropropane
 Concen: 21.235 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0314WBS02

Tgt Ion: 63 Resp: 288354
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.0 37.6

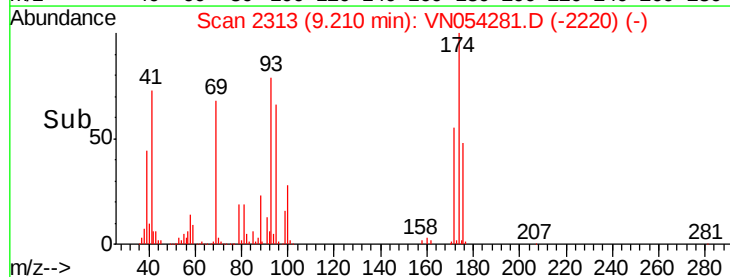
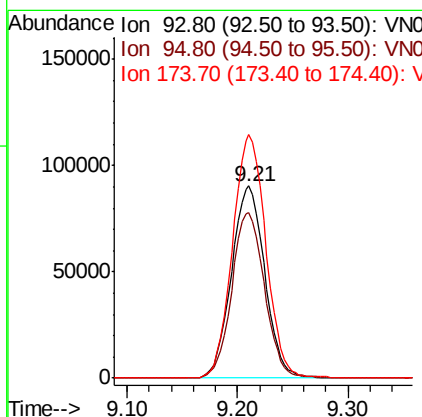
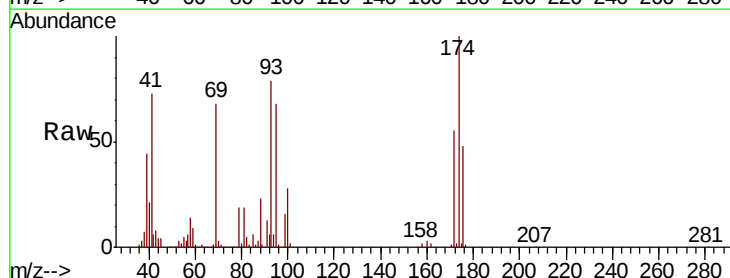
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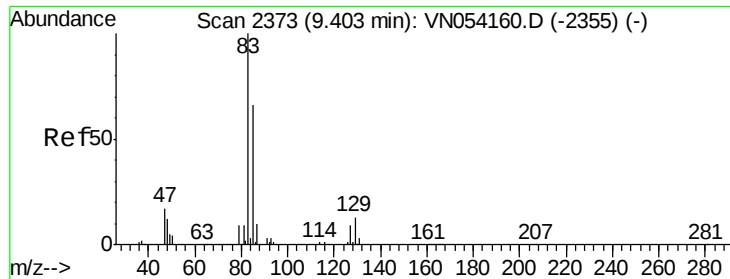
MMDadoda
 3/15/2019 10:14:22 AM



#46
 Dibromomethane
 Concen: 20.662 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Tgt Ion: 93 Resp: 189568
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.7 100.1
 174 126.5 98.5 147.7





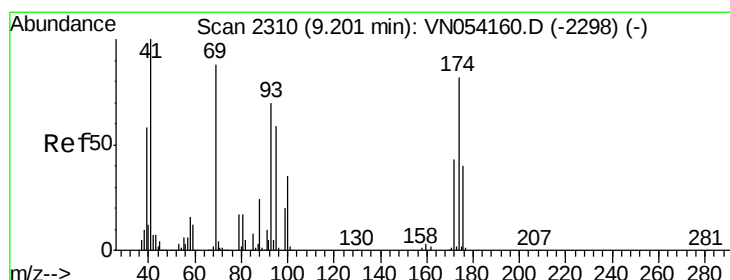
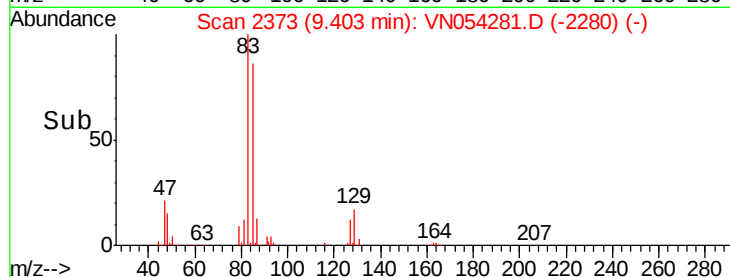
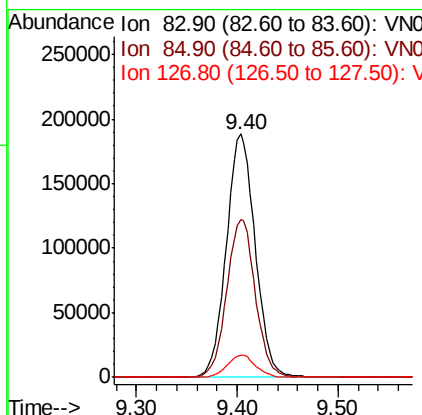
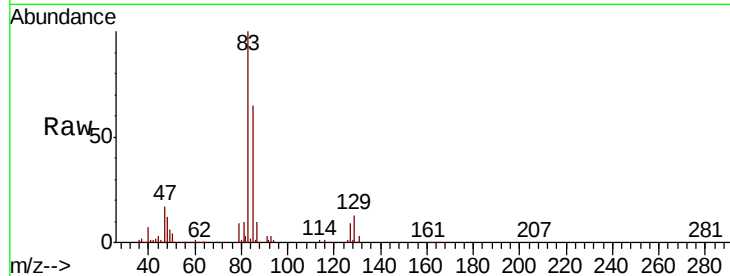
#47
Bromodichloromethane
Concen: 20.401 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.8	79.2
127	9.1	7.4	11.2

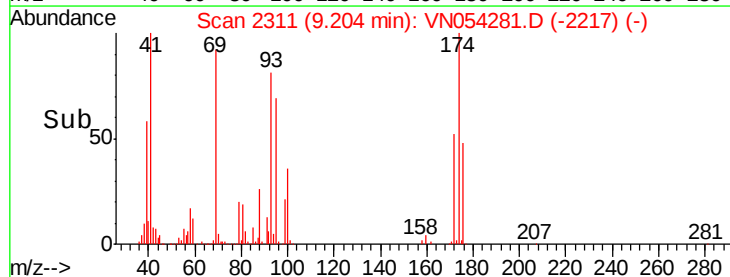
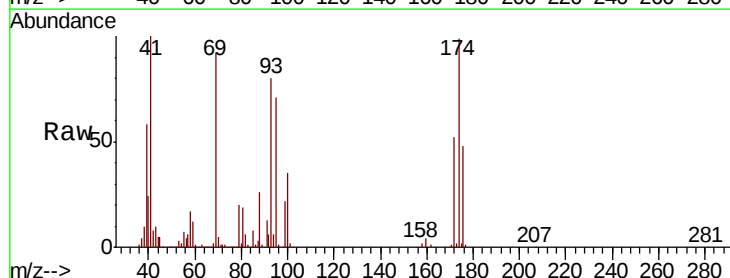
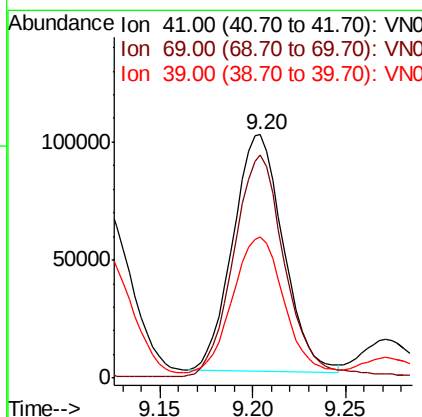
Manual Integrations
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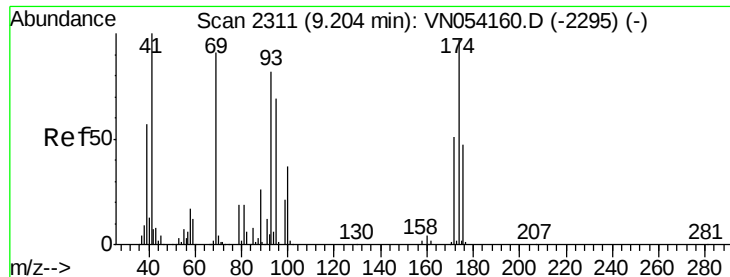
MMDadoda
3/15/2019 10:14:22 AM



#48
Methyl methacrylate
Concen: 19.315 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.3	72.6	108.8
39	63.2	47.5	71.3





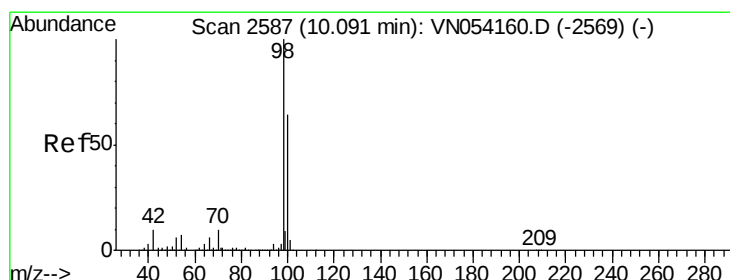
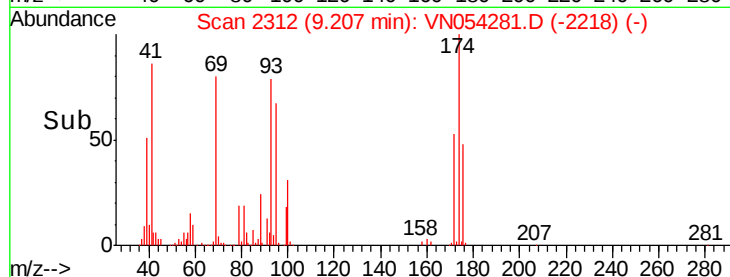
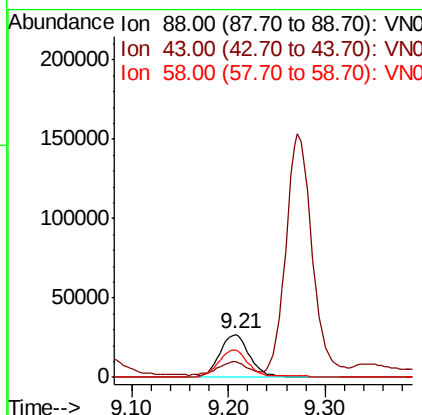
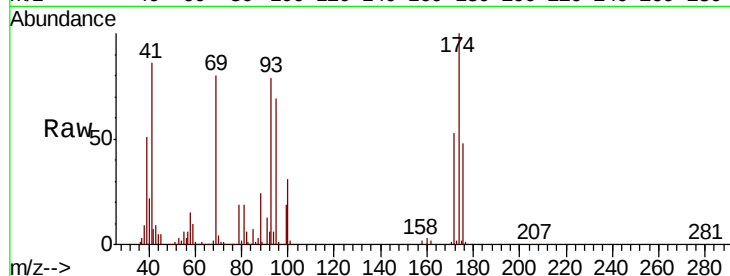
#49
1,4-Dioxane
Concen: 424.835 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.1	36.1
58	62.7	50.8	76.2

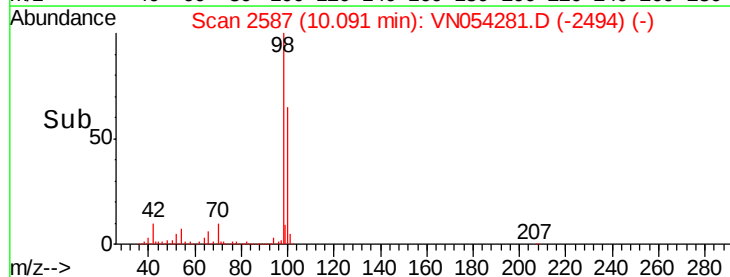
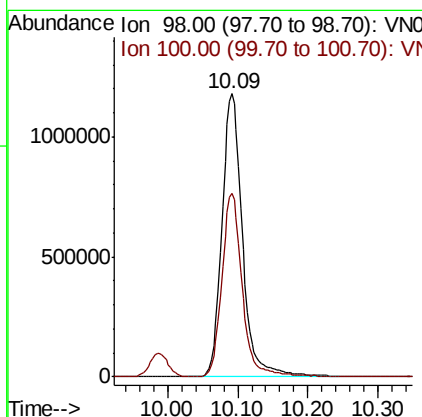
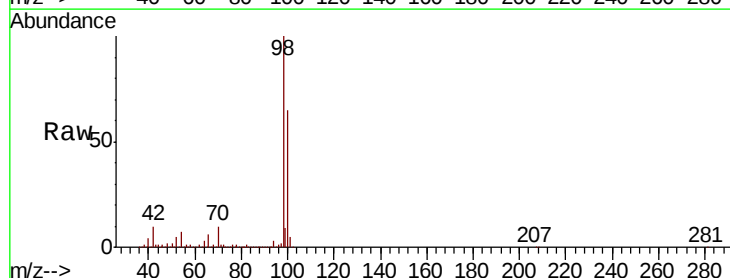
Manual Integrations
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3/15/2019 10:14:22 AM



#50
Toluene-d8
Concen: 48.658 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.2	76.8





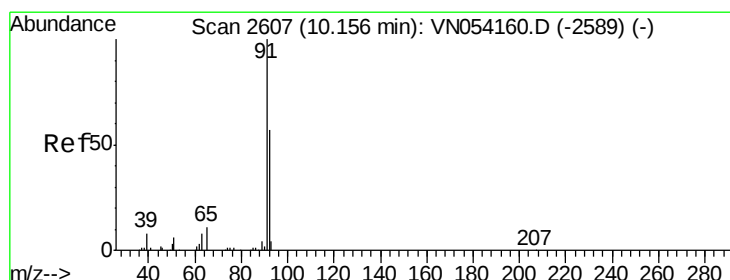
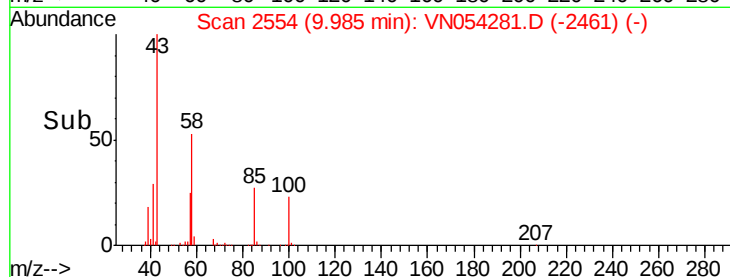
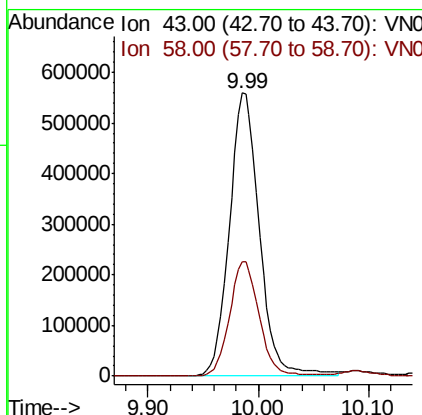
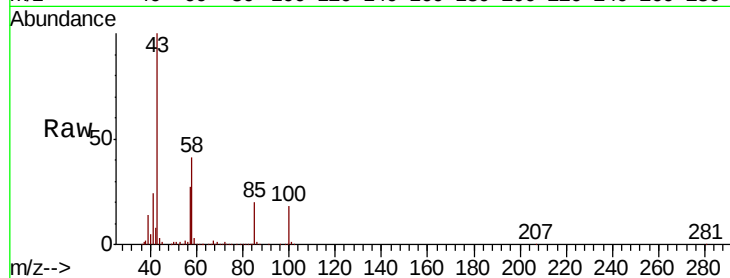
#51
4-Methyl-2-Pentanone
Concen: 103.093 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion: 43 Resp: 1051542
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.6

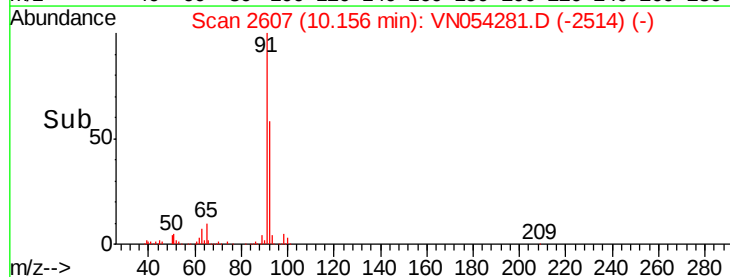
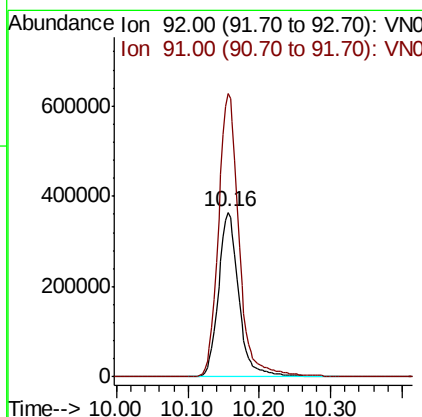
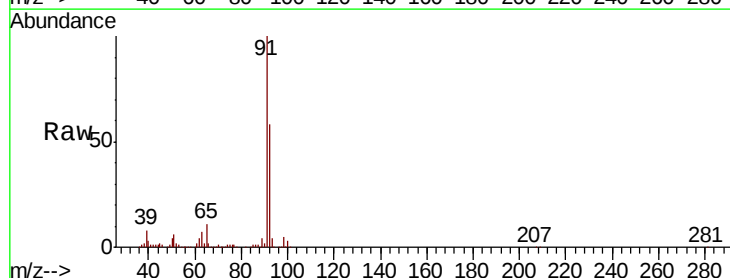
Manual Integrations
APPROVED

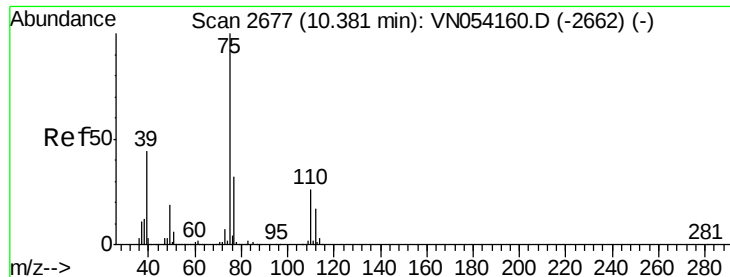
MMDadoda
3/15/2019 10:14:22 AM



#52
Toluene
Concen: 20.719 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion: 92 Resp: 718430
Ion Ratio Lower Upper
92 100
91 174.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 16.557 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion: 75 Resp: 319222

Ion Ratio Lower Upper

75 100

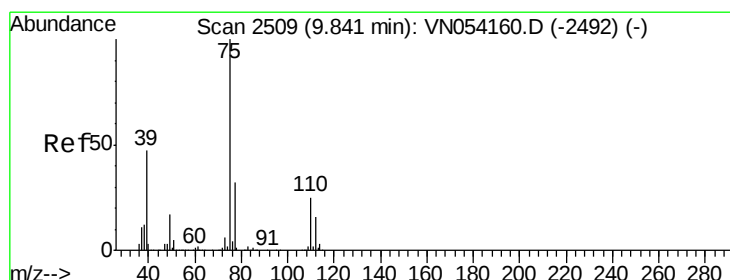
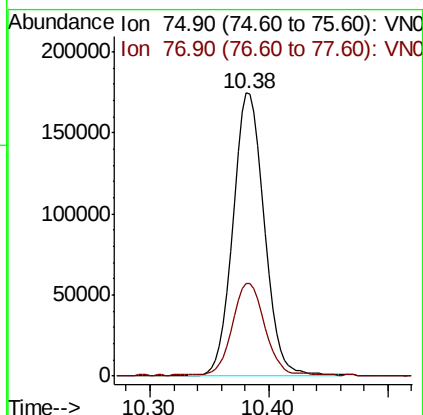
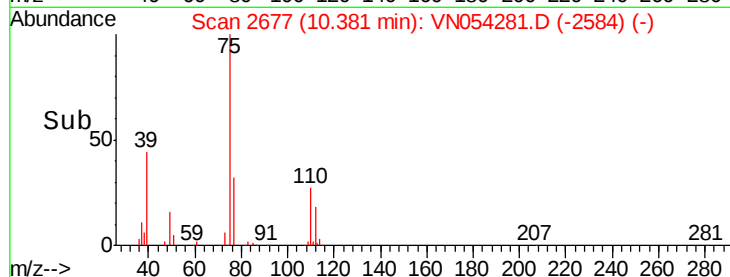
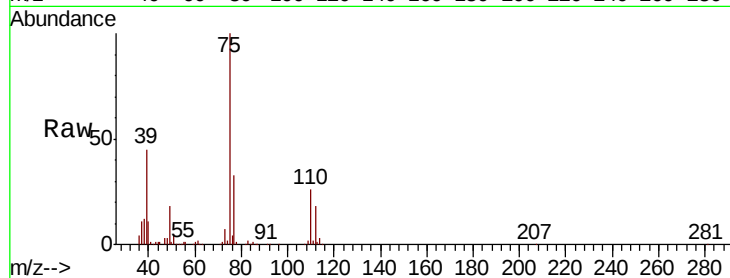
77 32.5 25.8 38.8

Manual Integrations

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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 18.446 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

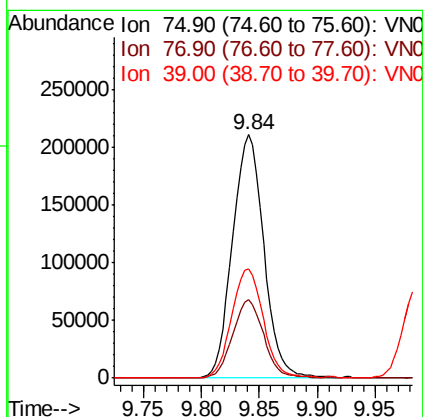
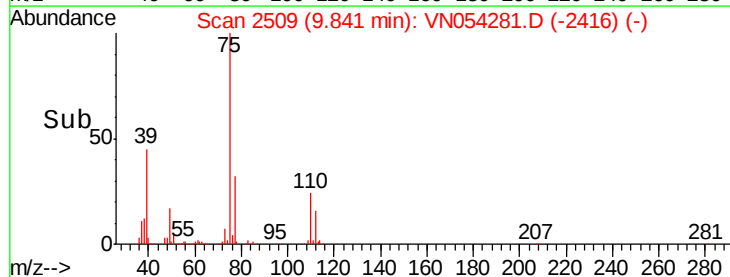
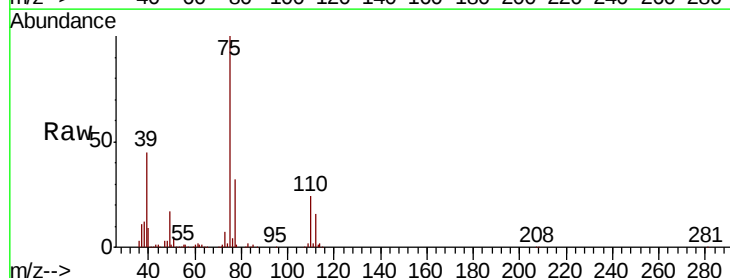
Tgt Ion: 75 Resp: 395363

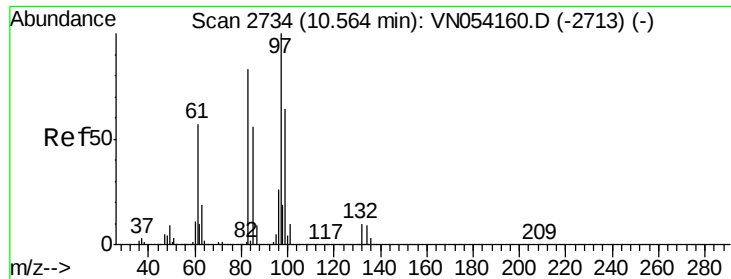
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 44.9 37.2 55.8





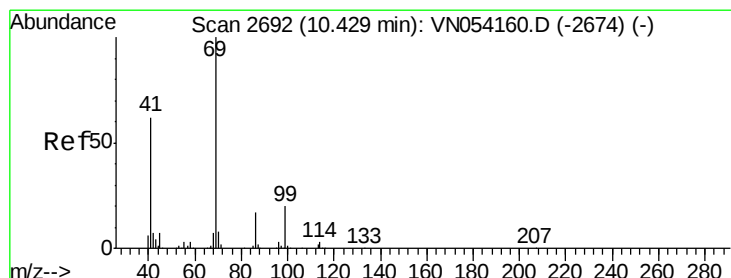
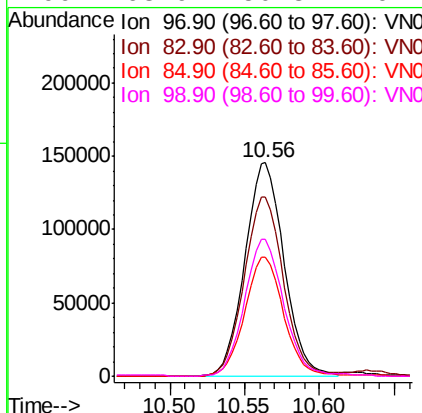
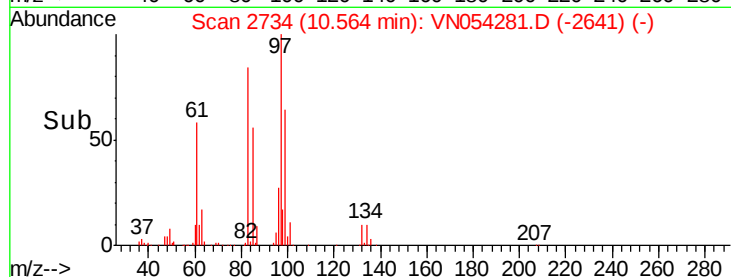
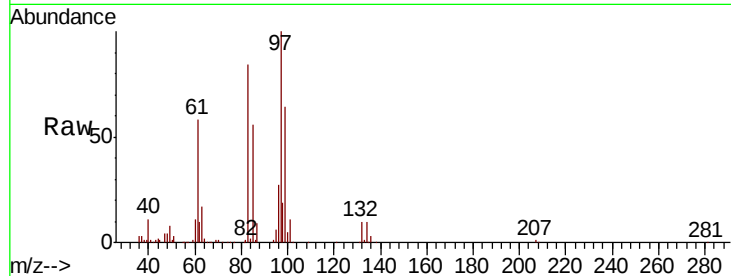
#55
 1,1,2-Trichloroethane
 Concen: 20.968 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	100.0
85	55.7	44.4	66.6
99	63.9	50.8	76.2

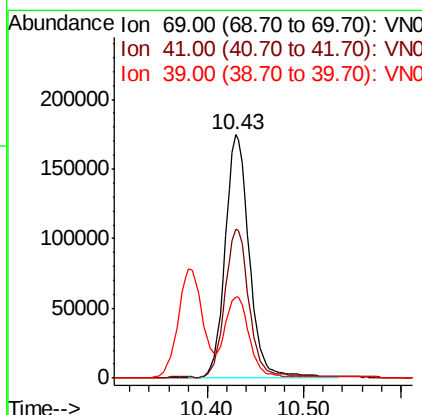
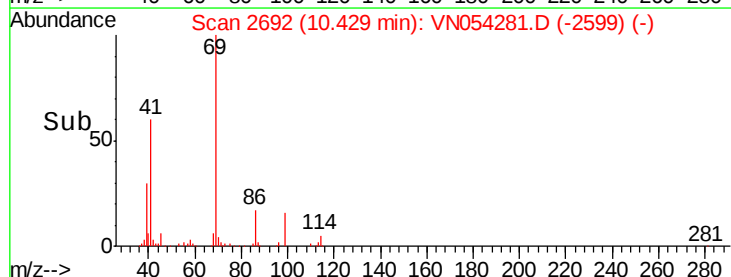
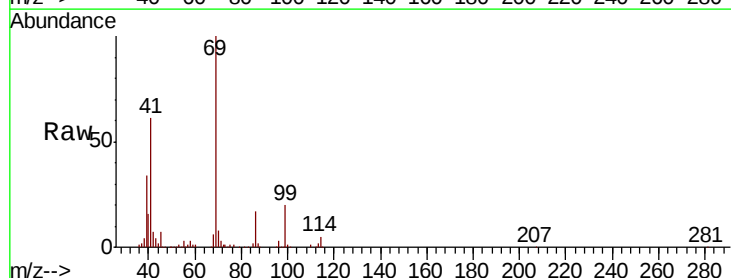
Manual Integrations
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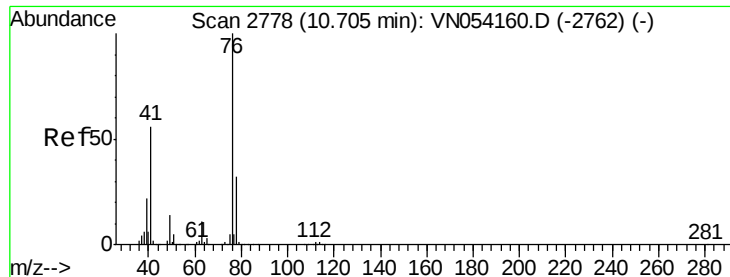
MMDadoda
 3/15/2019 10:14:22 AM



#56
 Ethyl methacrylate
 Concen: 20.053 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.4	74.2
39	34.1	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.976 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampled :

VN0314WBS02

Tgt Ion: 76 Resp: 434266

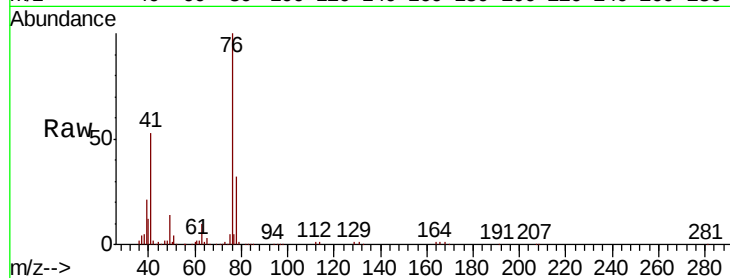
Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5

Manual Integrations
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MMDadoda
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

150000

100000

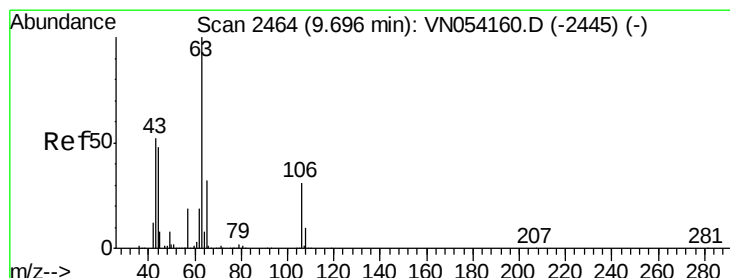
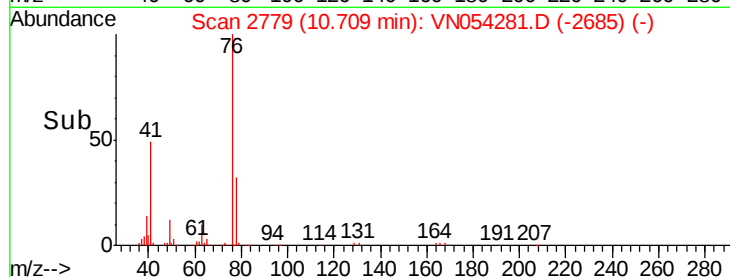
50000

0

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 95.210 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054281.D

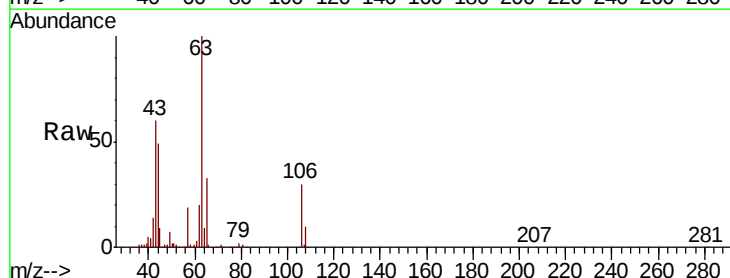
Acq: 15 Mar 2019 00:54

Tgt Ion: 63 Resp: 550421

Ion Ratio Lower Upper

63 100

106 30.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

300000

200000

100000

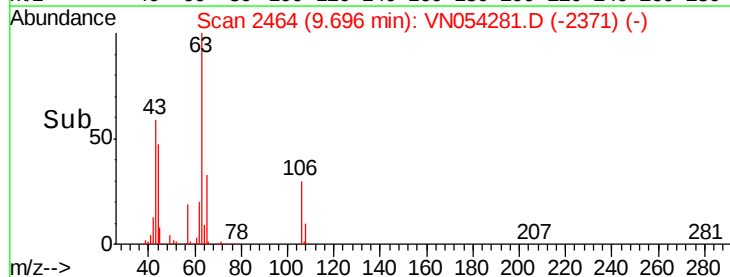
0

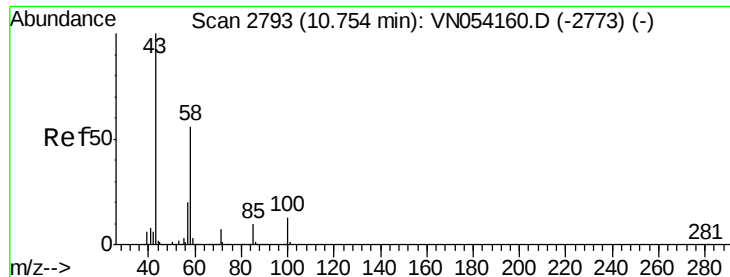
9.60

9.70

9.80

Time-->





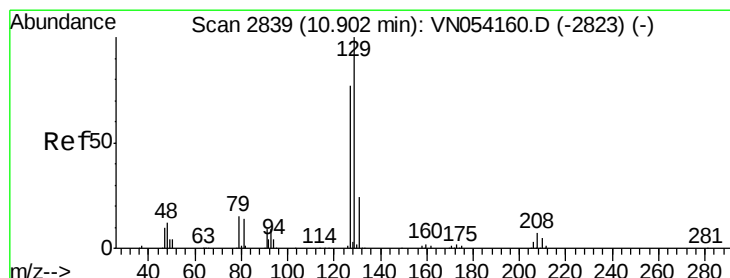
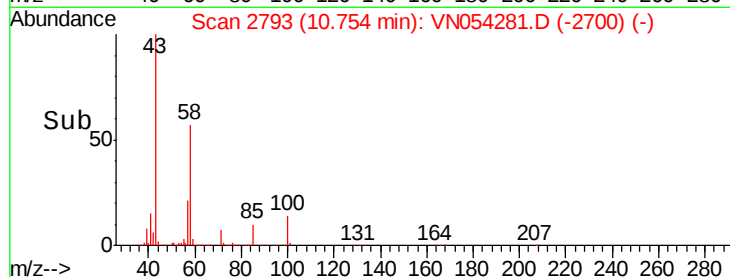
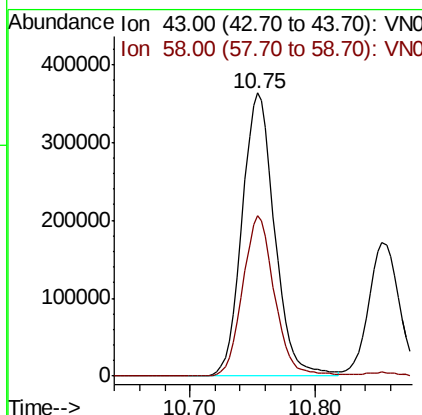
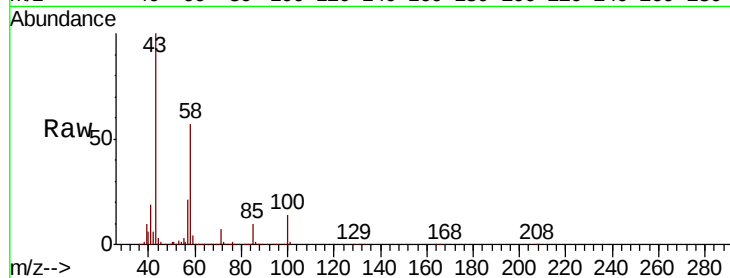
#59
2-Hexanone
Concen: 95.929 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion: 43 Resp: 651074
Ion Ratio Lower Upper
43 100
58 56.0 28.0 83.9

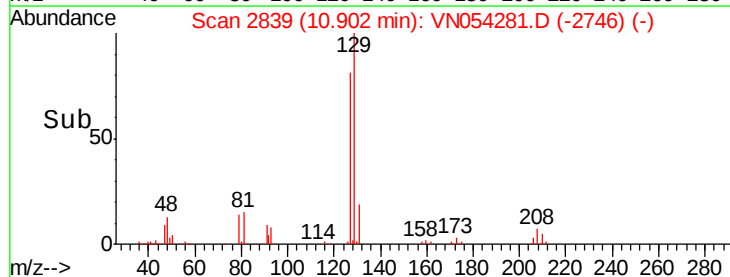
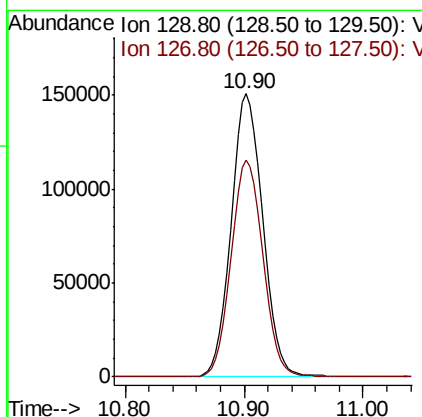
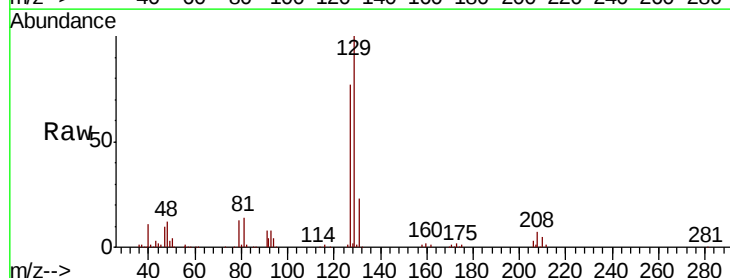
Manual Integrations
APPROVED

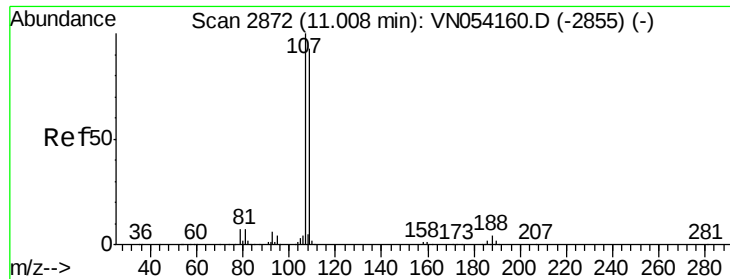
MMDadoda
3/15/2019 10:14:22 AM



#60
Dibromochloromethane
Concen: 19.485 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion: 129 Resp: 277682
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





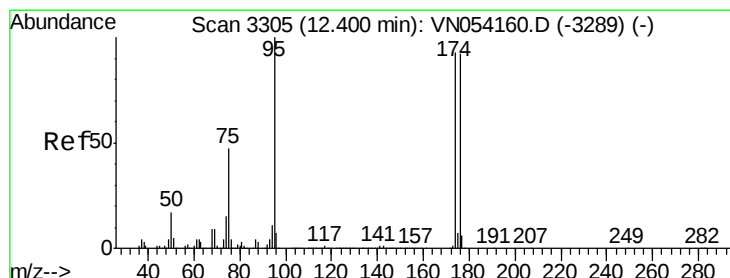
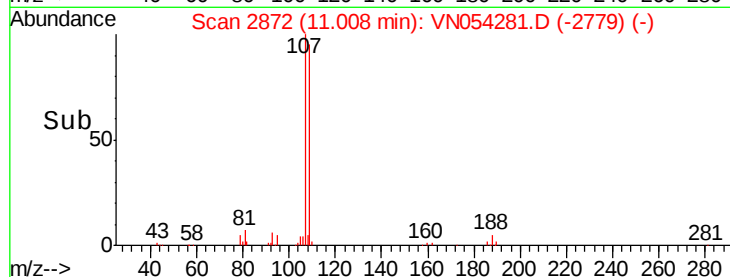
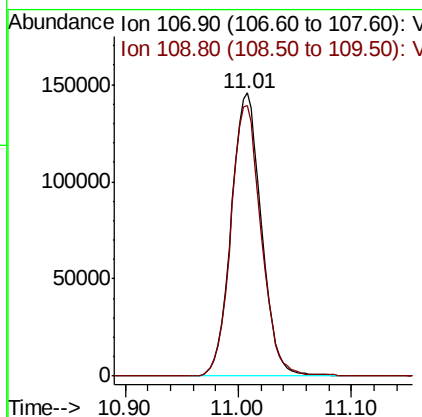
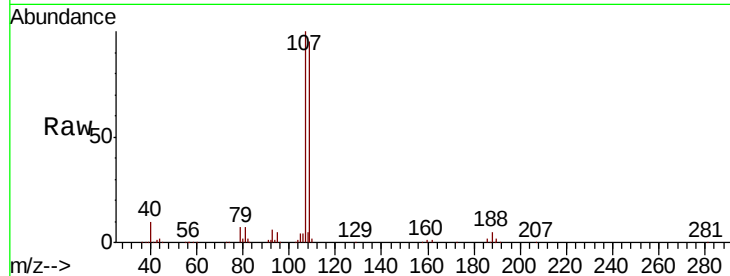
#61
1,2-Dibromoethane
Concen: 21.016 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.9	113.9

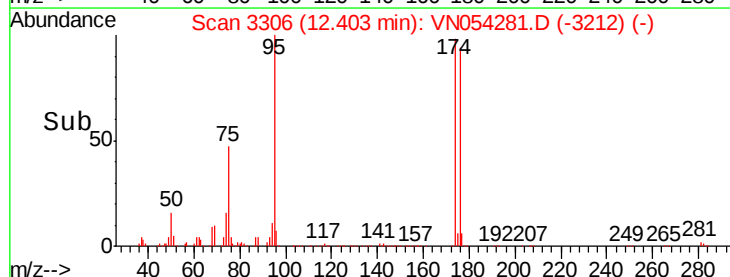
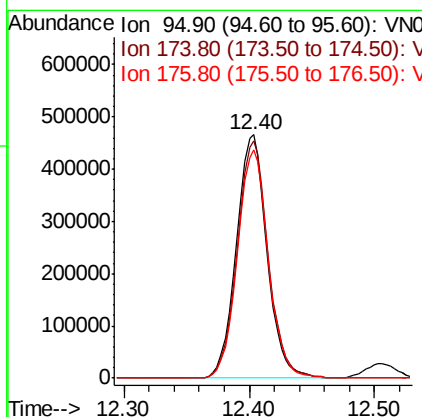
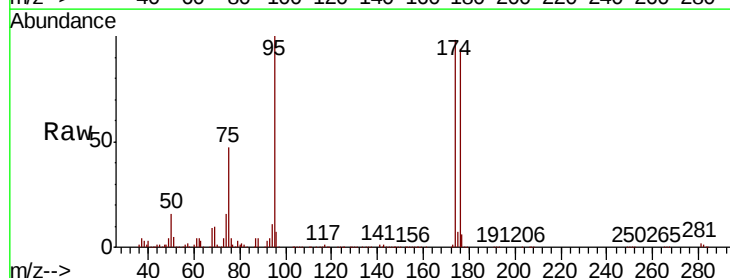
Manual Integrations
APPROVED

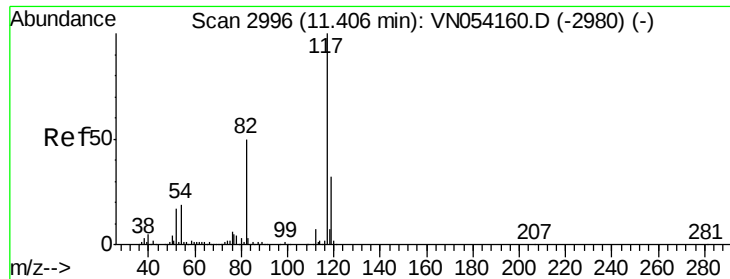
MMDadoda
3/15/2019 10:14:22 AM



#62
4-Bromofluorobenzene
Concen: 45.676 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	191.0
176	94.6	0.0	187.4





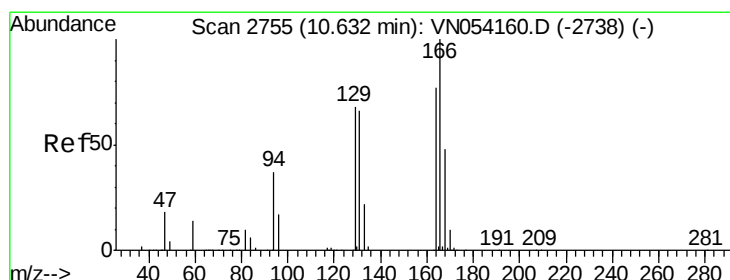
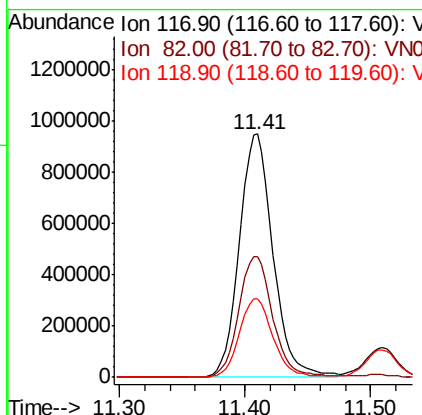
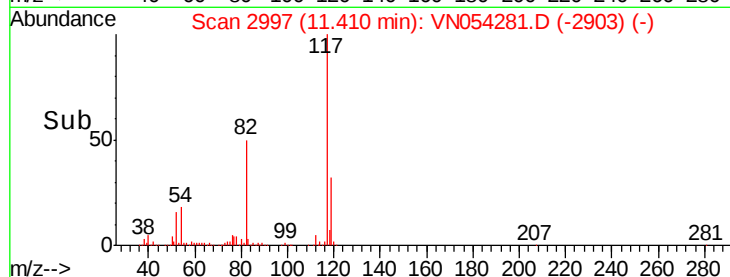
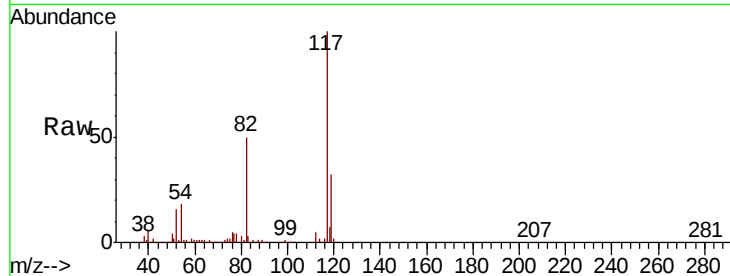
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion:117 Resp: 1775491
Ion Ratio Lower Upper
117 100
82 49.5 40.0 60.0
119 32.1 25.8 38.6

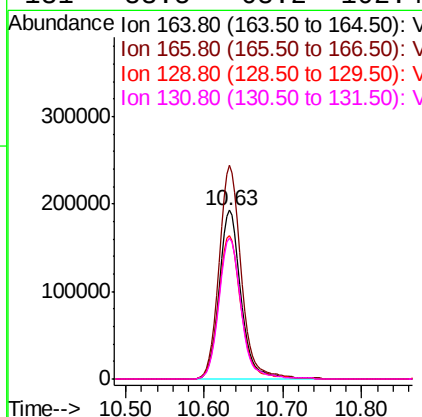
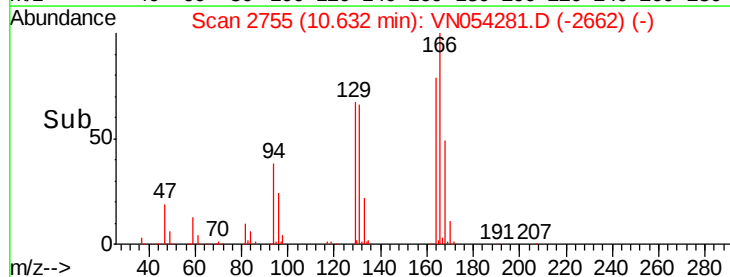
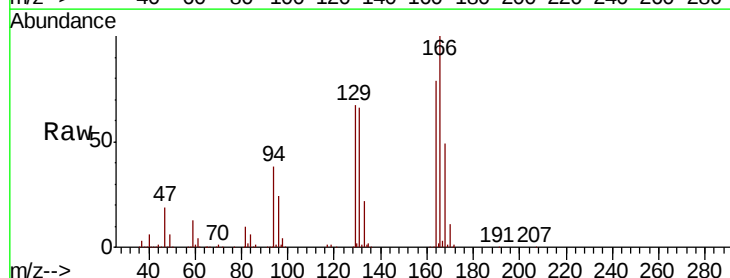
Manual Integrations
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#64
Tetrachloroethene
Concen: 21.503 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion:164 Resp: 369133
Ion Ratio Lower Upper
164 100
166 126.4 103.9 155.9
129 85.2 71.1 106.7
131 83.5 68.2 102.4





#65

Chlorobenzene

Concen: 21.076 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion:112 Resp: 821637

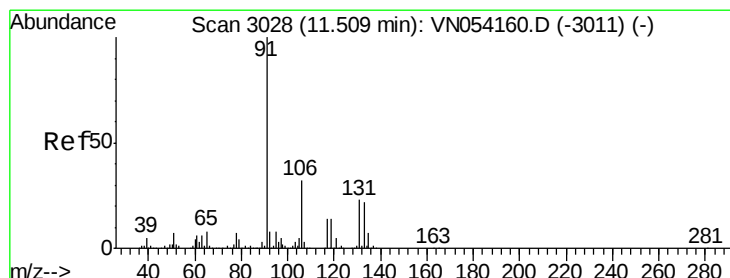
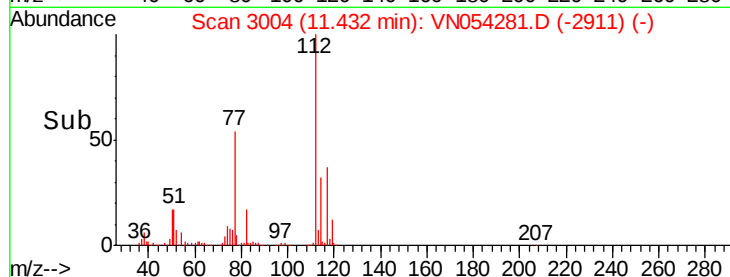
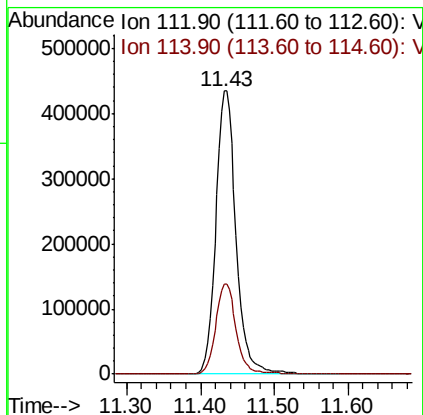
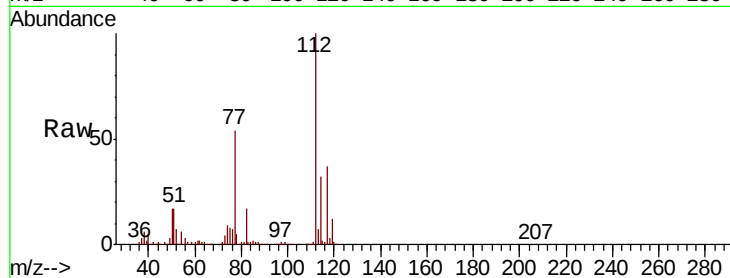
Ion Ratio Lower Upper

112 100

114 31.9 25.9 38.9

Manual Integrations
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3/15/2019 10:14:22 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.703 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

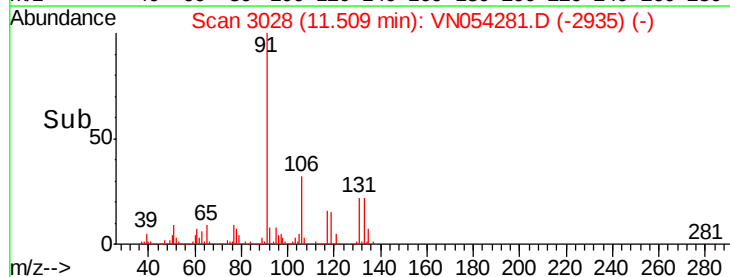
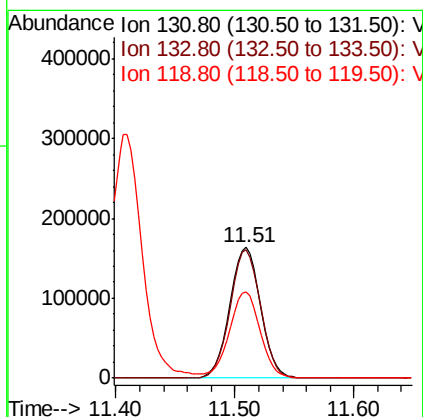
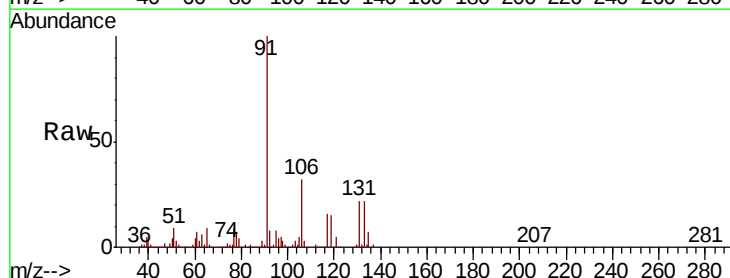
Tgt Ion:131 Resp: 293196

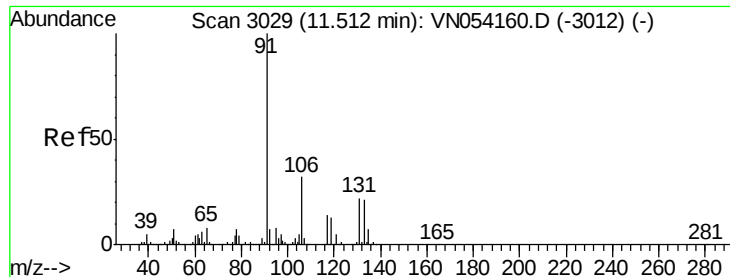
Ion Ratio Lower Upper

131 100

133 97.7 47.6 142.9

119 66.3 32.4 97.0





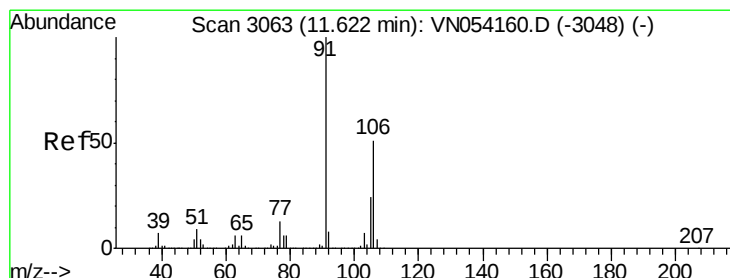
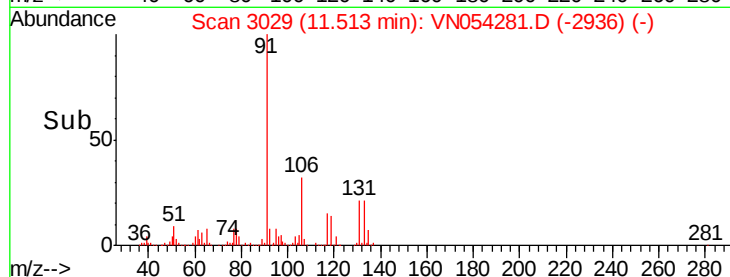
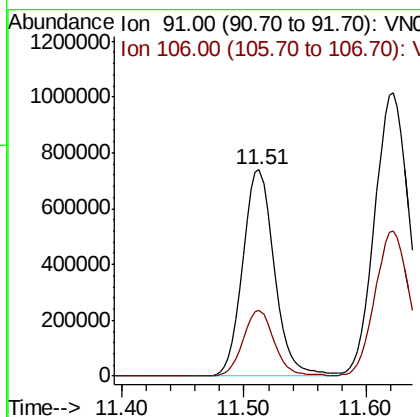
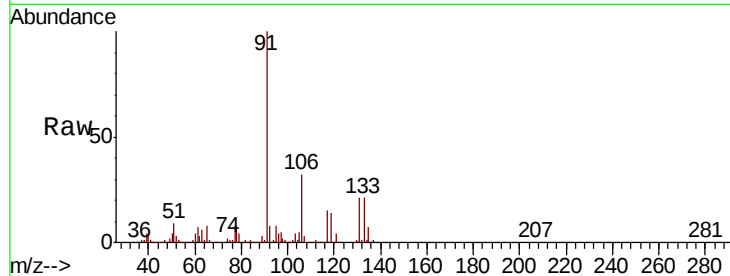
#67
Ethyl Benzene
Concen: 20.454 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion: 91 Resp: 1321822
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3

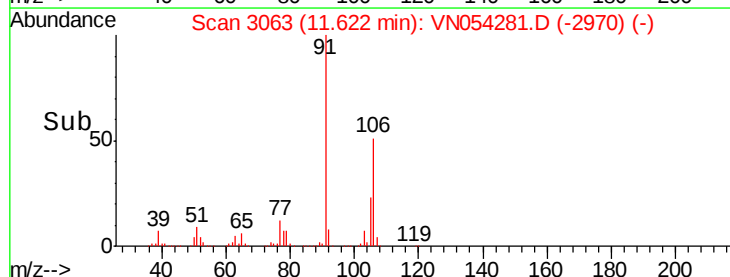
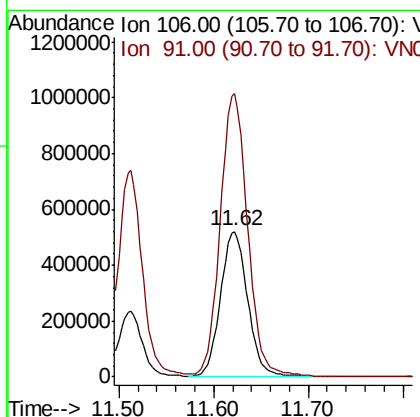
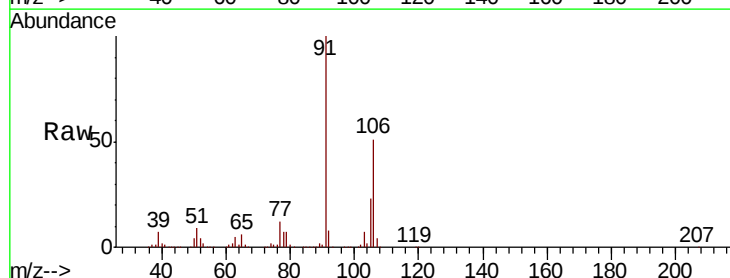
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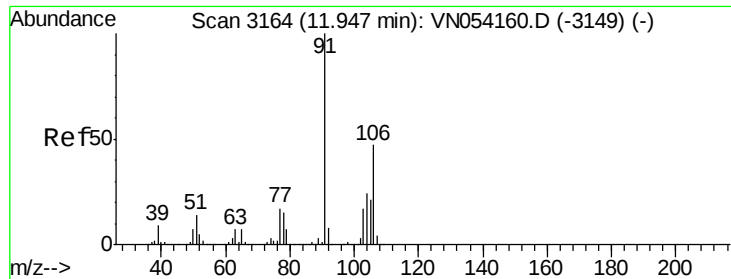
MMDadoda
3/15/2019 10:14:22 AM



#68
m/p-Xylenes
Concen: 41.313 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion: 106 Resp: 1043494
Ion Ratio Lower Upper
106 100
91 195.9 159.4 239.2





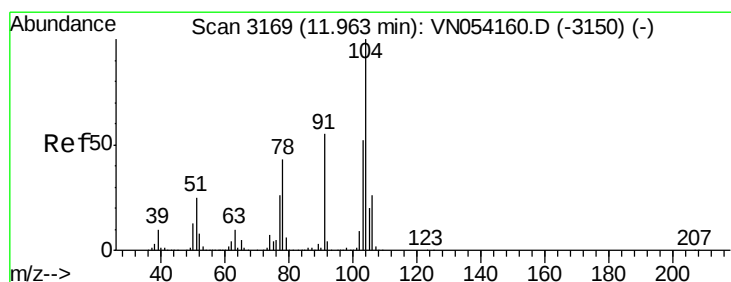
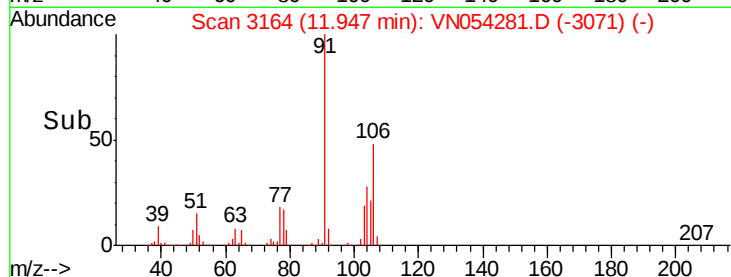
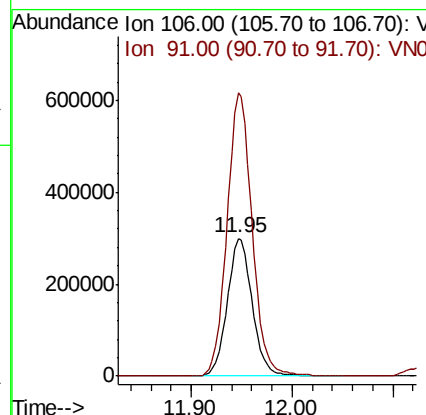
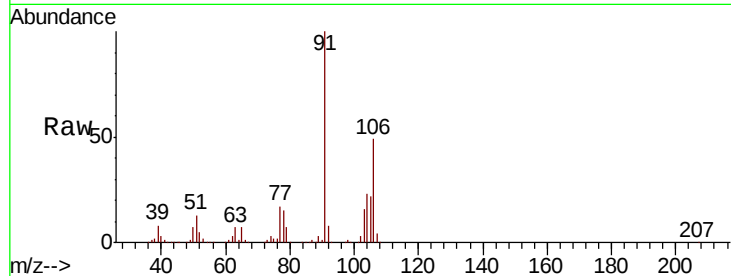
#69
o-Xylene
Concen: 20.989 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion:106 Resp: 516806
Ion Ratio Lower Upper
106 100
91 207.7 105.7 317.1

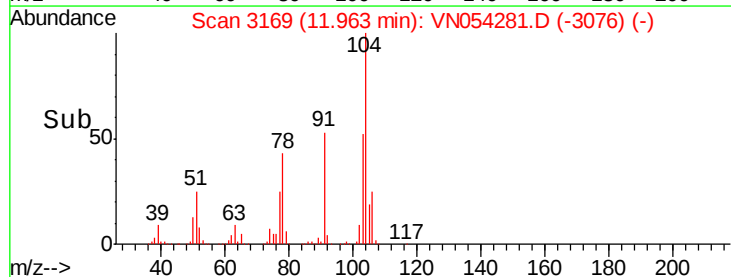
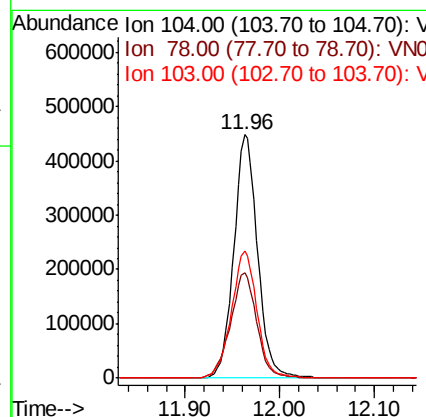
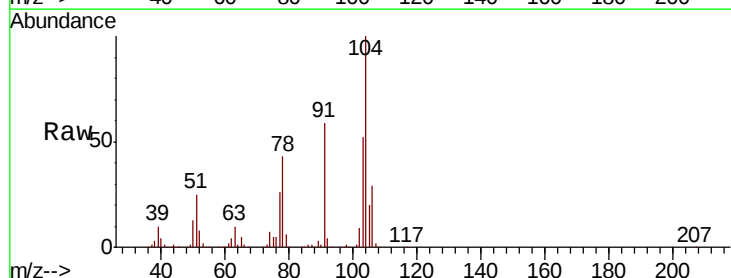
Manual Integrations
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#70
Styrene
Concen: 20.269 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion:104 Resp: 782704
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 56.3 44.4 66.6





#71

Bromoform

Concen: 17.973 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

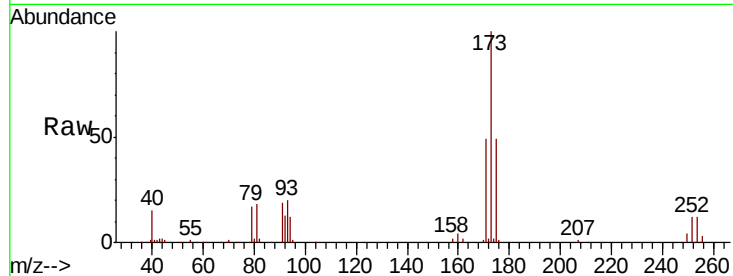
ClientSampleId :

VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
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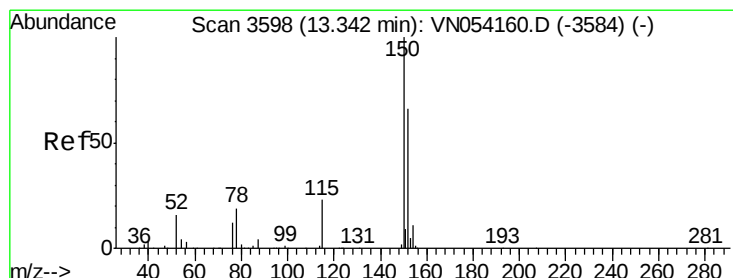
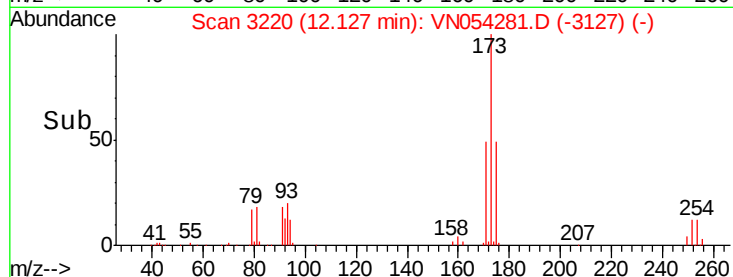
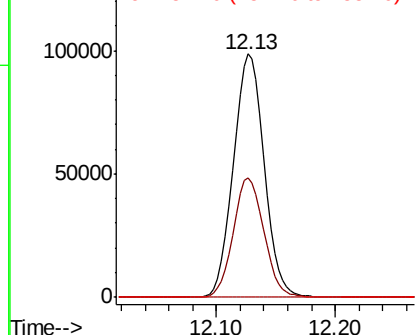


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

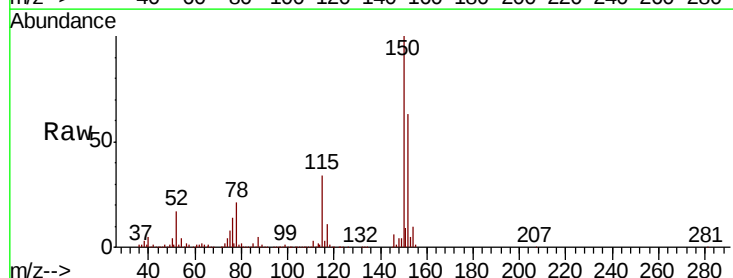
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.2	81.6
150	164.3	0.0	349.2

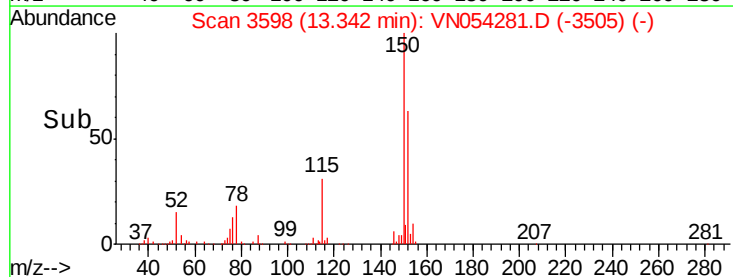
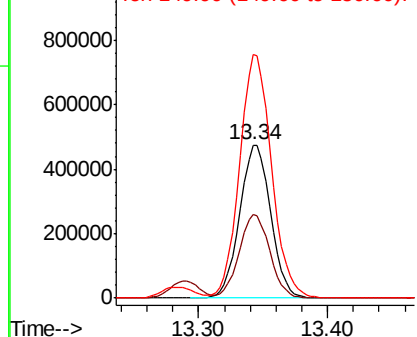


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.492 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion: 105 Resp: 1361199

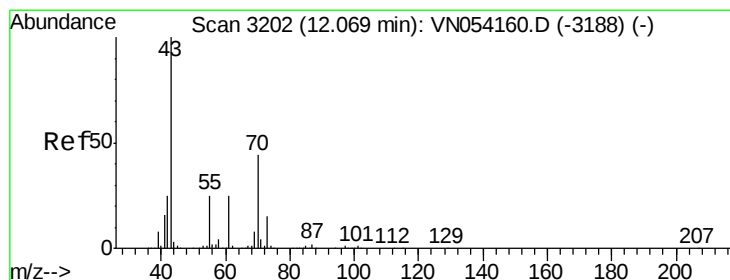
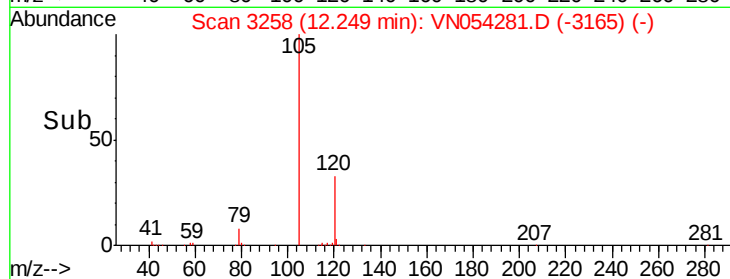
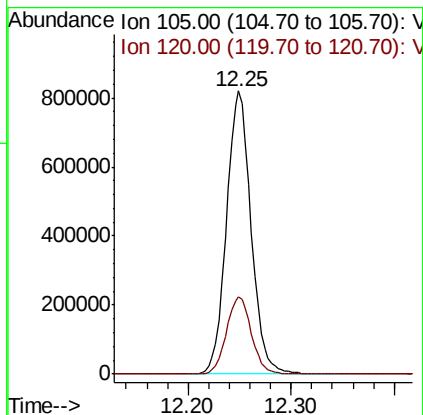
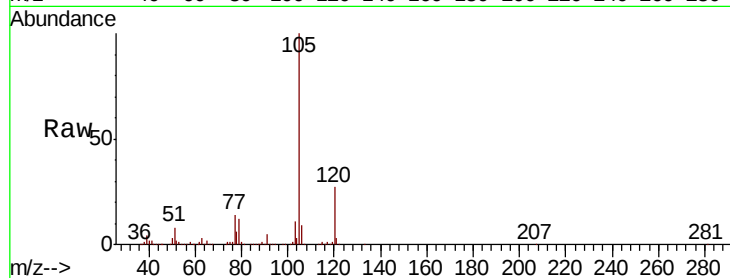
Ion Ratio Lower Upper

105 100

120 27.8 13.8 41.3

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#74

N-ethyl acetate

Concen: 19.653 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Tgt Ion: 43 Resp: 276291

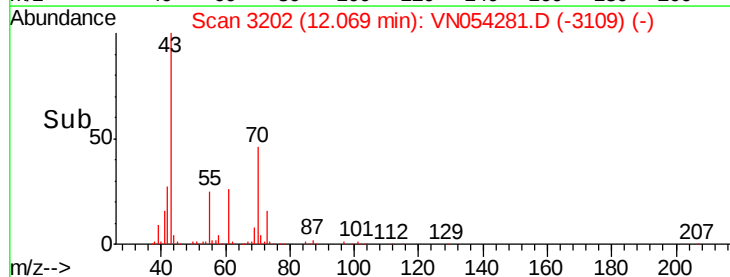
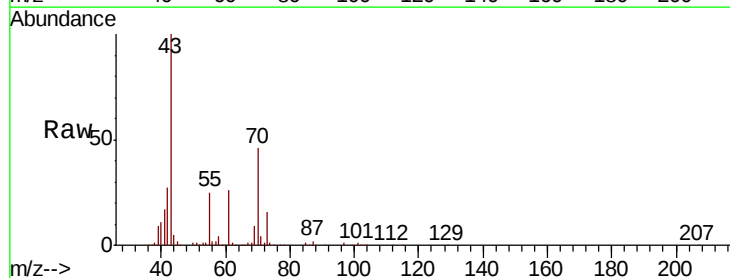
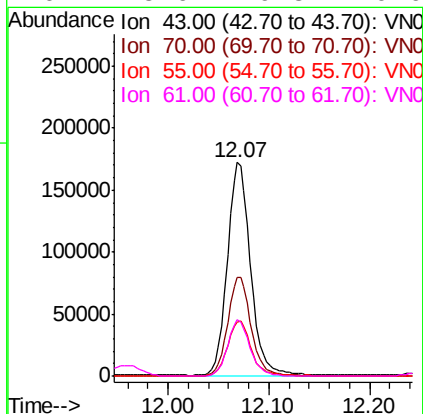
Ion Ratio Lower Upper

43 100

70 46.8 35.4 53.0

55 26.4 19.8 29.6

61 25.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.845 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion: 83 Resp: 294774
Ion Ratio Lower Upper

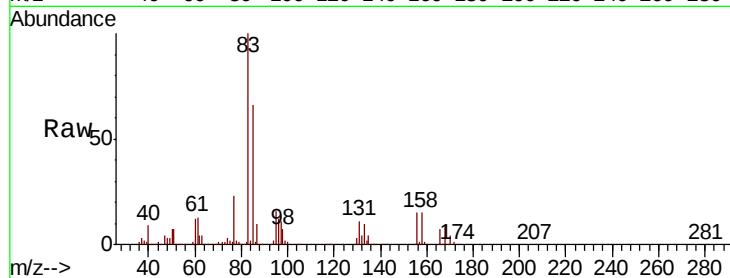
83 100

131 11.3 5.8 17.4

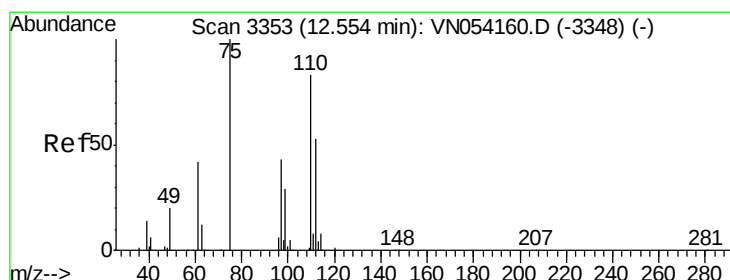
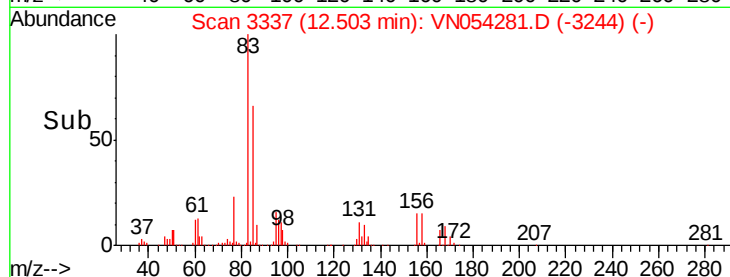
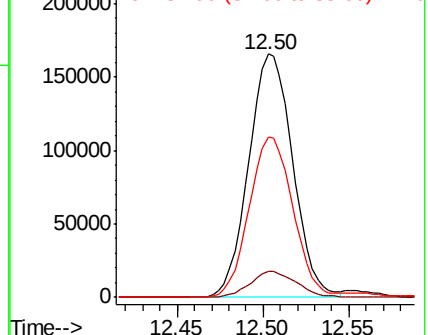
85 66.7 32.2 96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 22.796 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

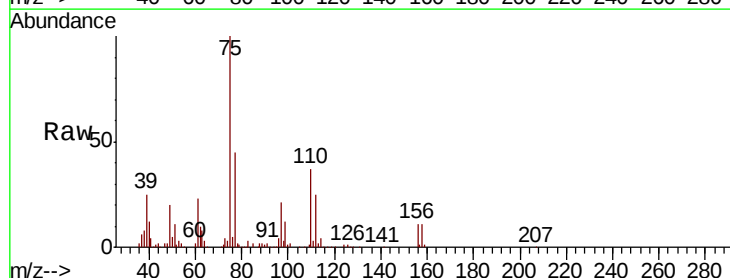
Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

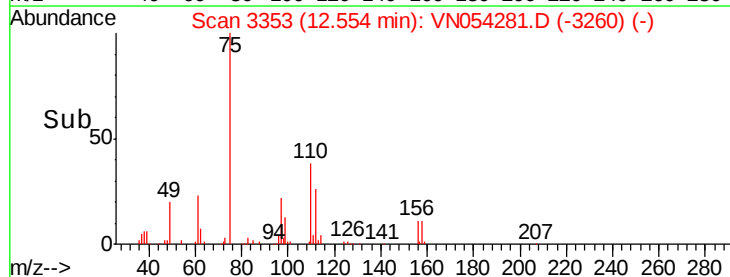
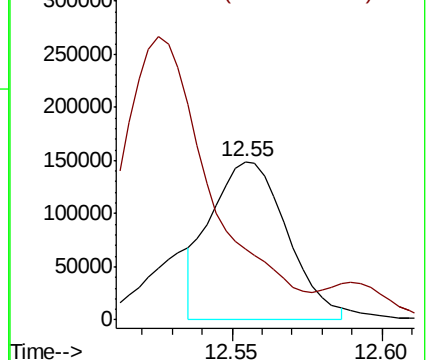
Tgt Ion: 75 Resp: 265372
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





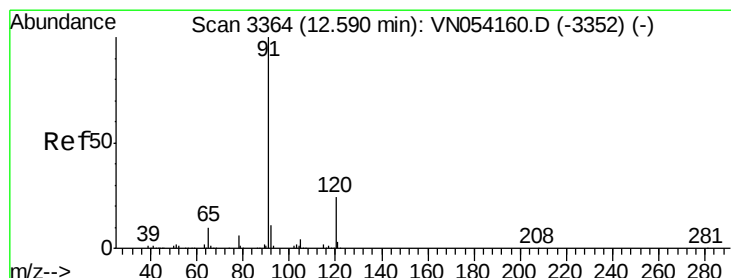
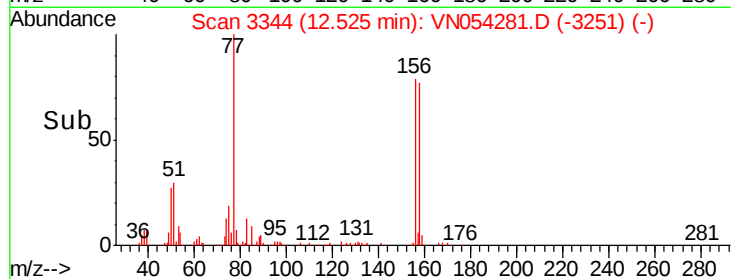
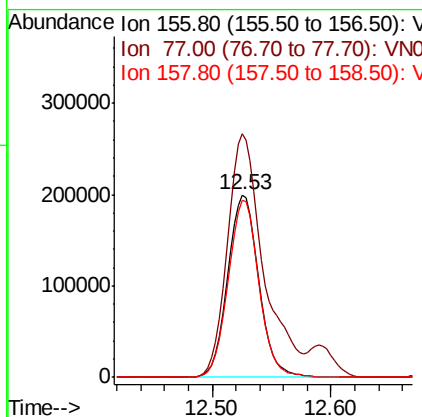
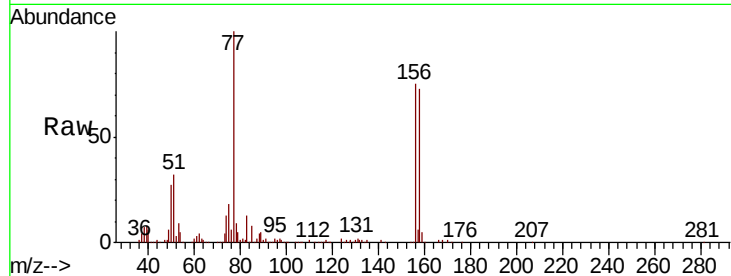
#77
Bromobenzene
Concen: 21.543 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	155.8	81.5	244.4
158	96.3	49.0	147.2

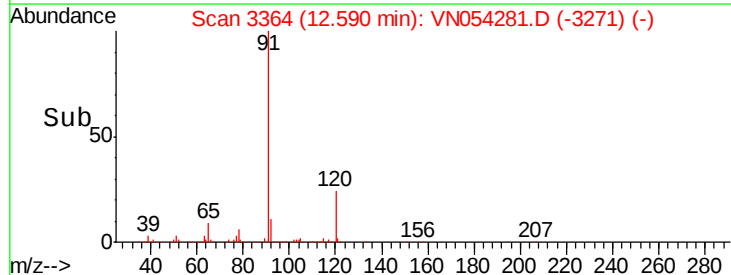
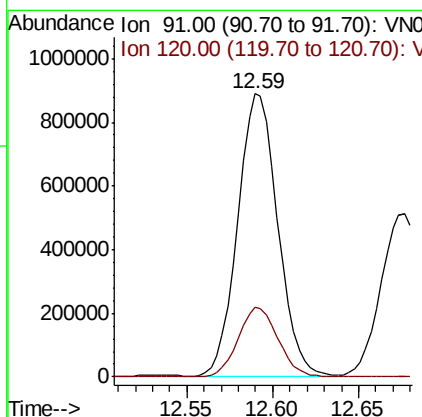
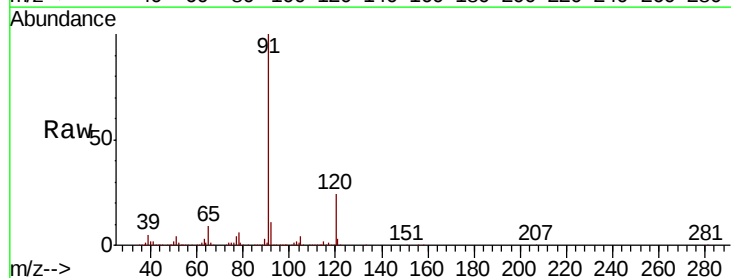
Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:14:22 AM



#78
n-propylbenzene
Concen: 20.869 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.3	36.9





#79

2-Chlorotoluene

Concen: 21.133 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion: 91 Resp: 873222

Ion Ratio Lower Upper

91 100

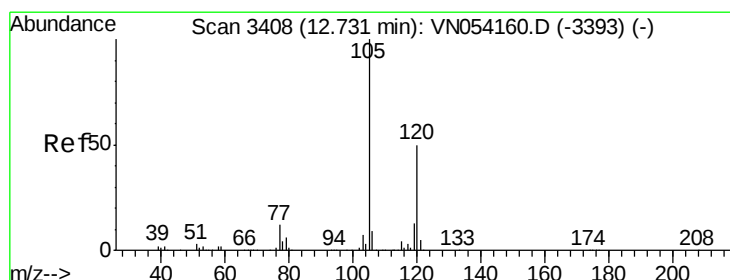
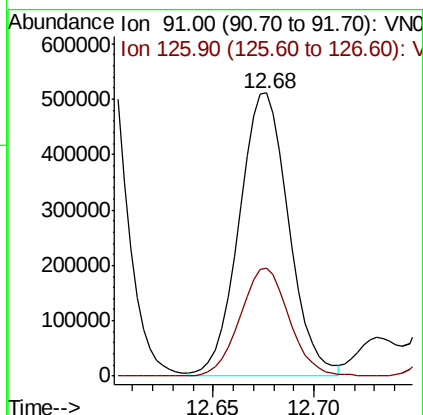
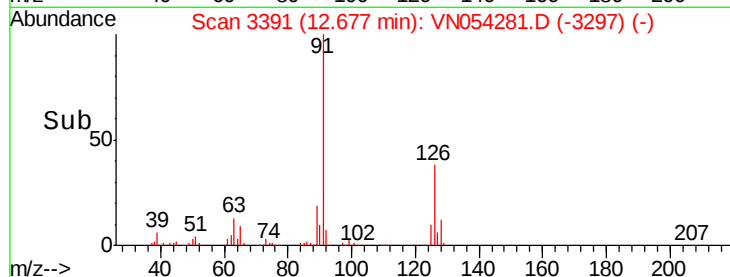
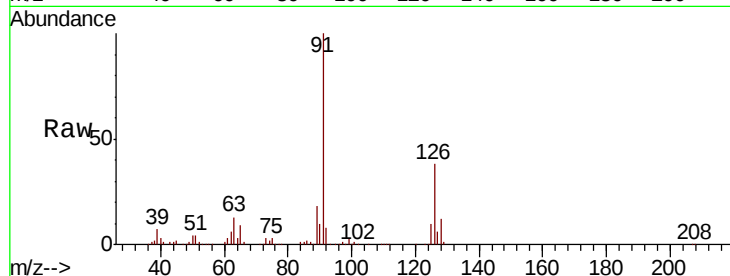
126 38.3 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.058 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054281.D

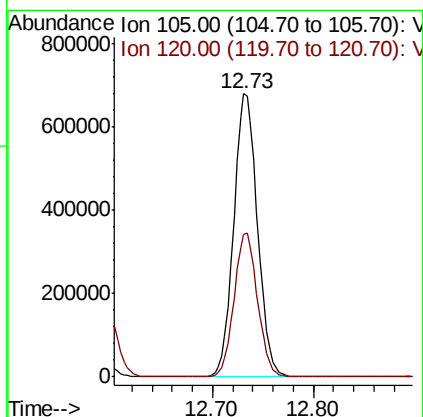
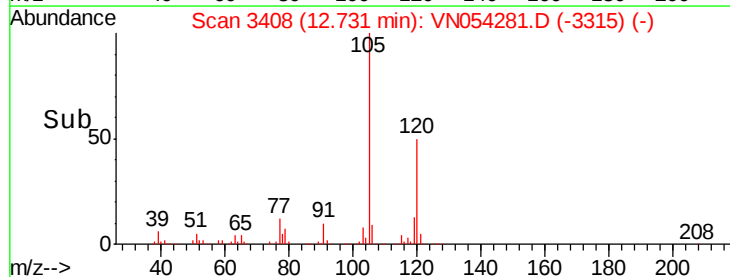
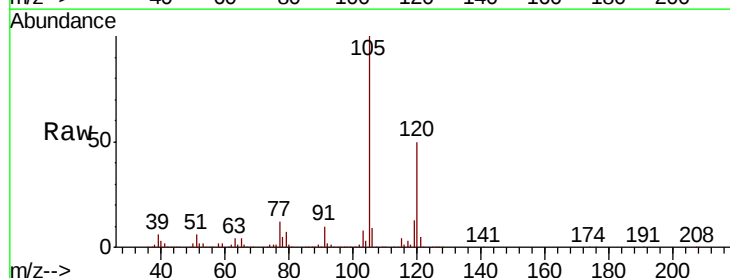
Acq: 15 Mar 2019 00:54

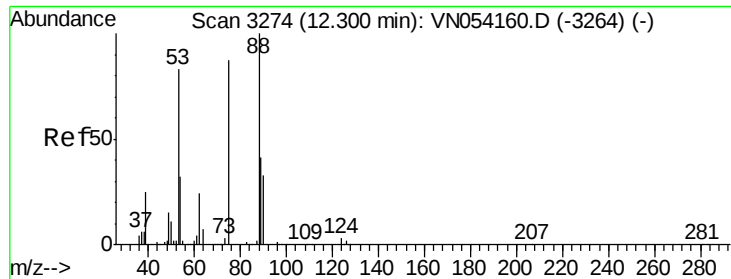
Tgt Ion: 105 Resp: 1109363

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 13.934 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

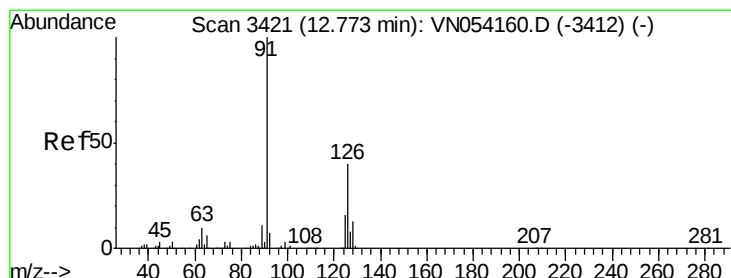
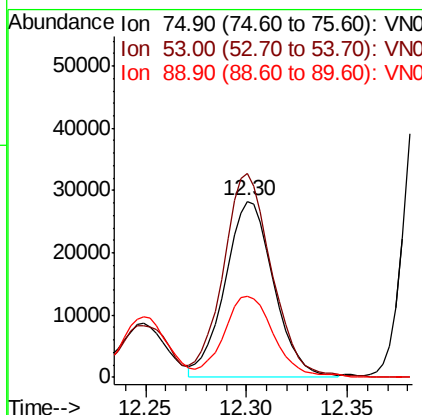
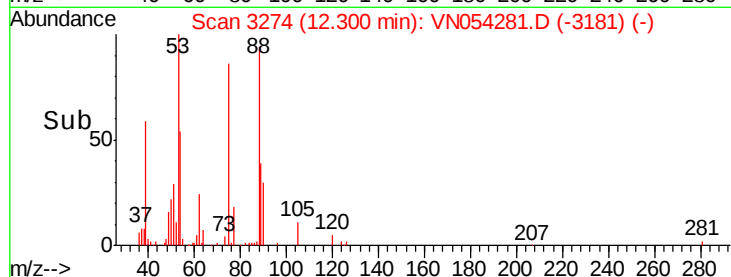
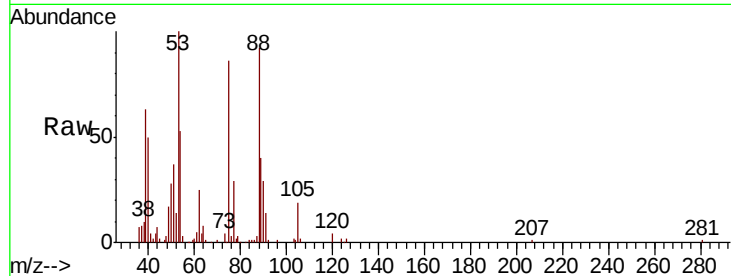
ClientSampleId :

VN0314WBS02

Tgt Ion:	75	Resp:	47451
Ion	Ratio	Lower	Upper
75	100		
53	116.6	76.2	114.2#
89	47.6	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.433 ug/l

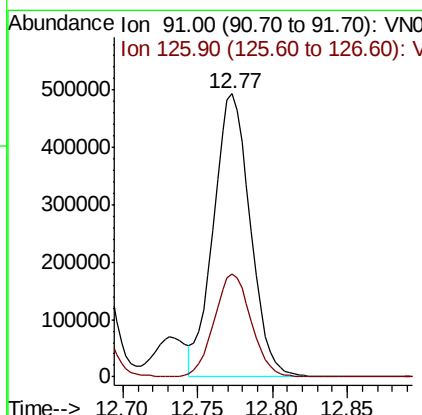
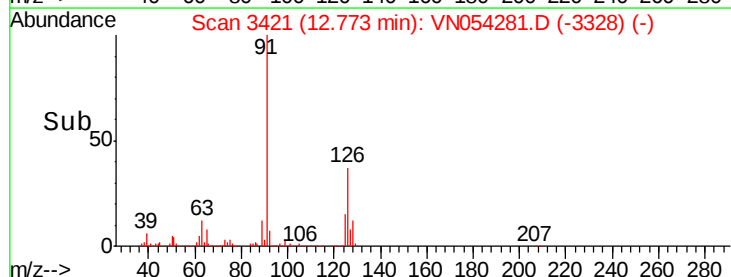
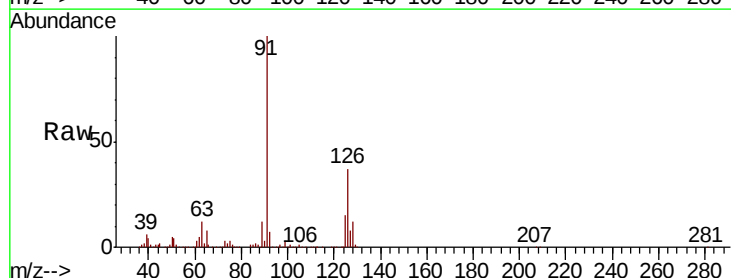
RT: 12.77 min Scan# 3421

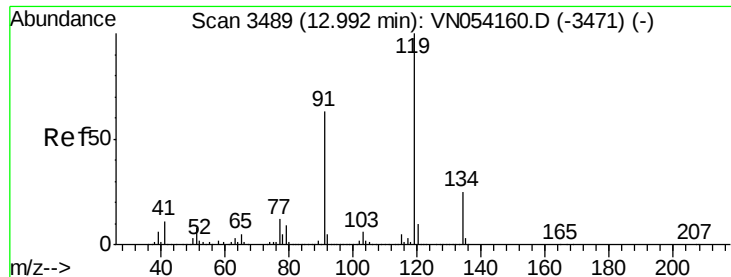
Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Tgt Ion:	91	Resp:	843071
Ion	Ratio	Lower	Upper
91	100		
126	36.6	18.1	54.1





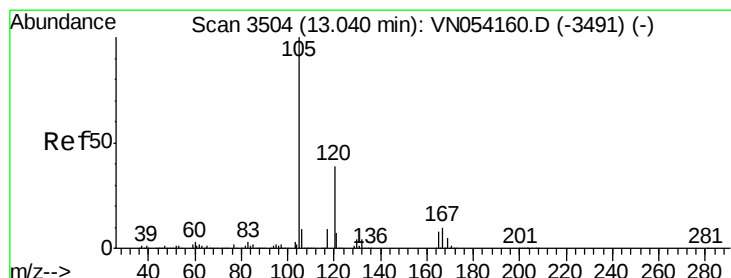
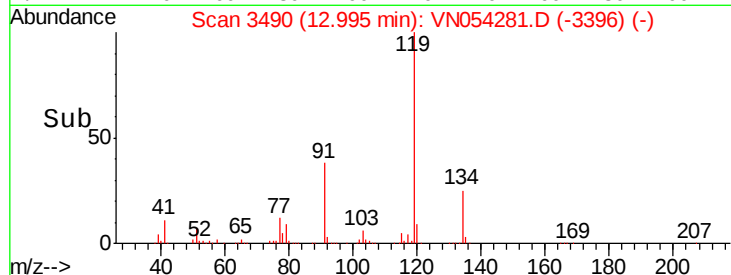
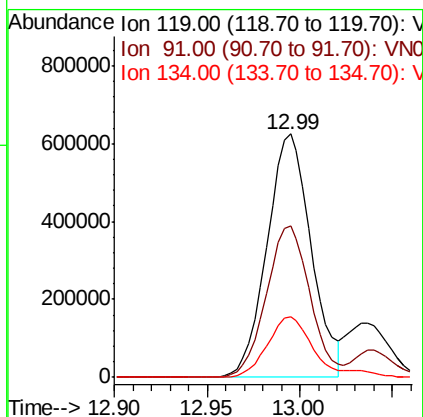
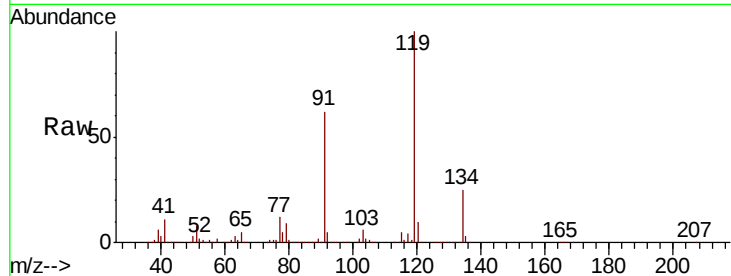
#83
 tert-Butylbenzene
 Concen: 21.396 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Tgt Ion:119 Resp: 1037485
 Ion Ratio Lower Upper
 119 100
 91 61.6 30.9 92.8
 134 26.6 13.2 39.6

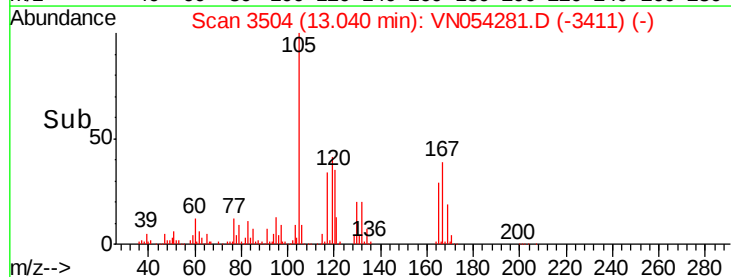
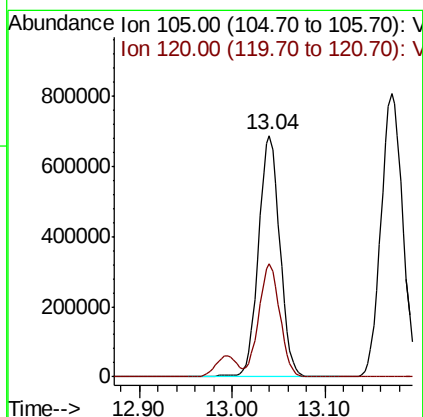
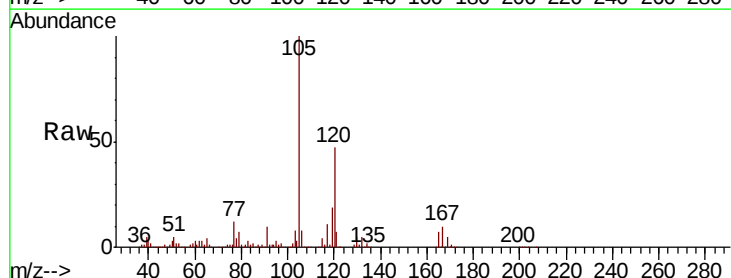
Manual Integrations
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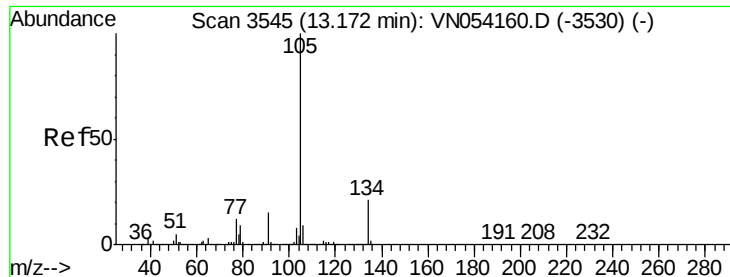
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.307 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Tgt Ion:105 Resp: 1101196
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.4 70.3





#85

sec-Butylbenzene

Concen: 20.805 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

Instrument :

MSVOA_N

ClientSampleId :

VN0314WBS02

Tgt Ion:105 Resp: 1308310

Ion Ratio Lower Upper

105 100

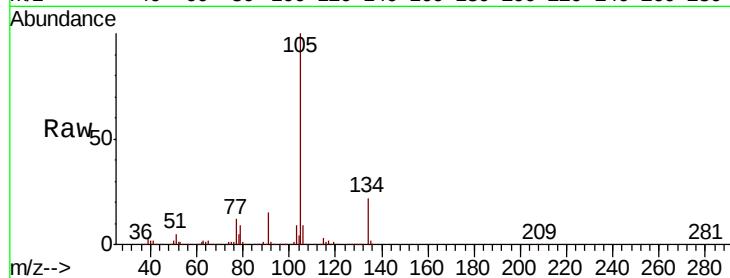
134 21.3 10.7 32.1

Manual Integrations

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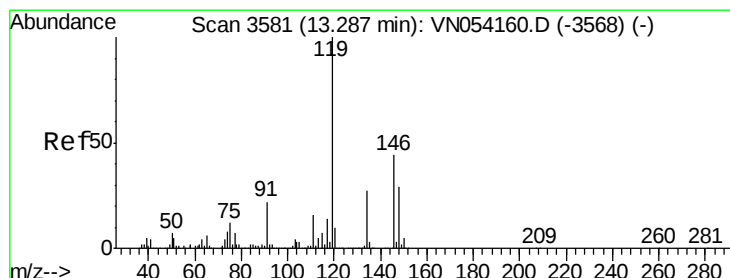
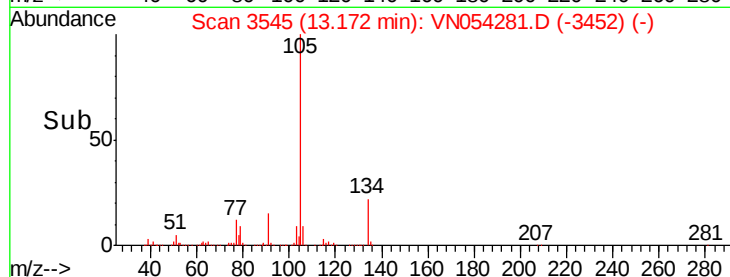
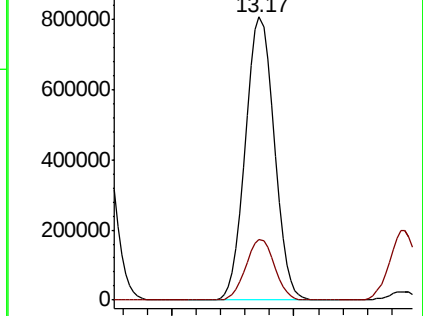
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.416 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054281.D

Acq: 15 Mar 2019 00:54

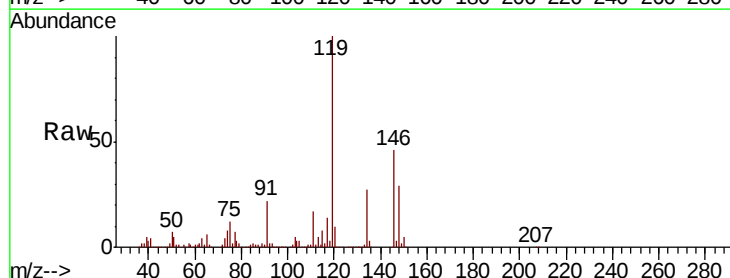
Tgt Ion:119 Resp: 1126319

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

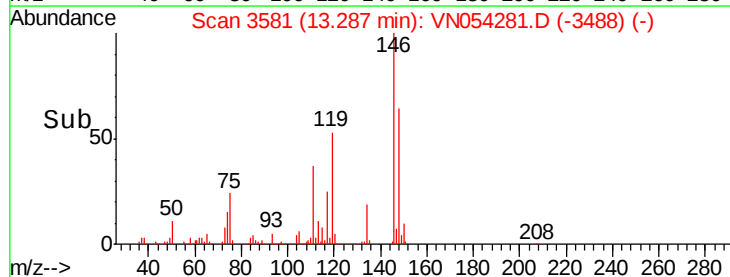
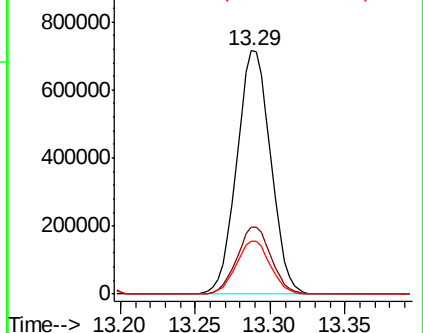
91 21.9 11.1 33.3

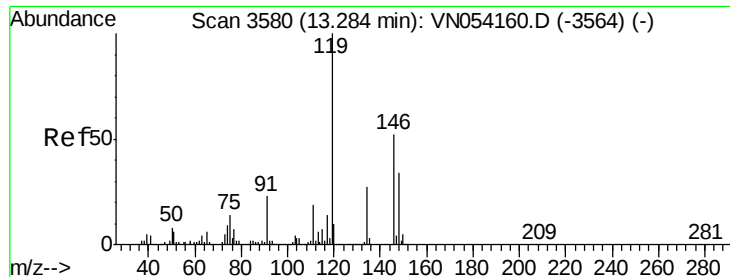


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





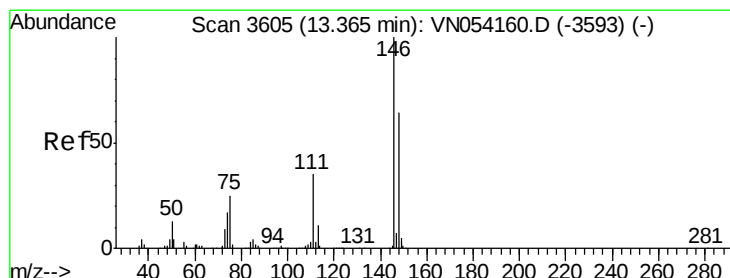
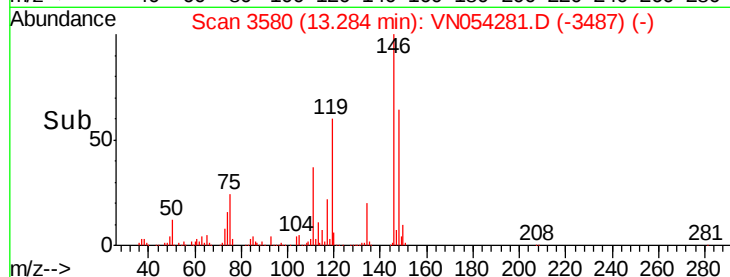
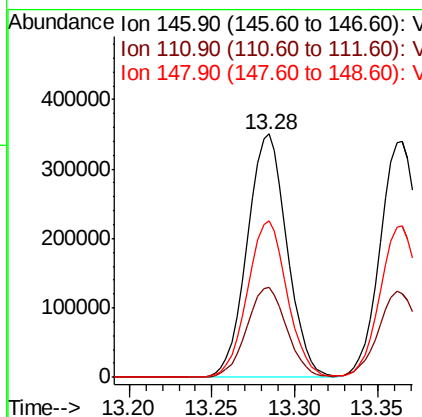
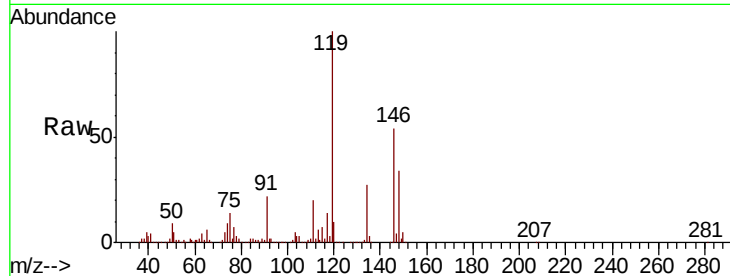
#87
1,3-Dichlorobenzene
Concen: 20.753 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.3	32.2	96.6

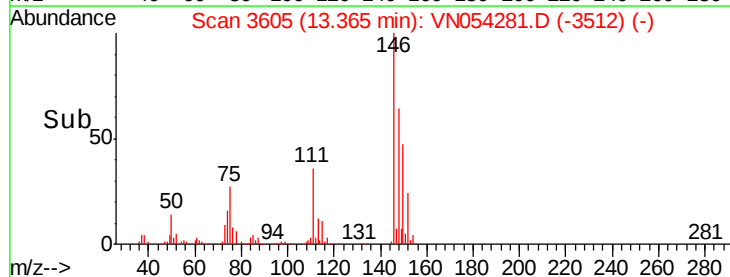
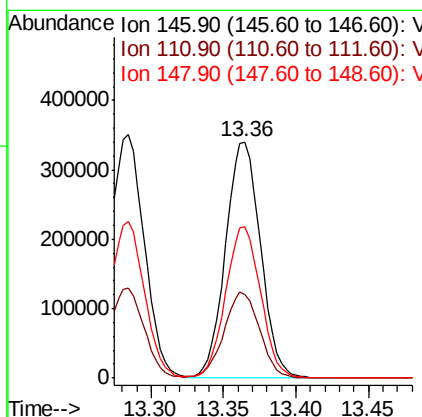
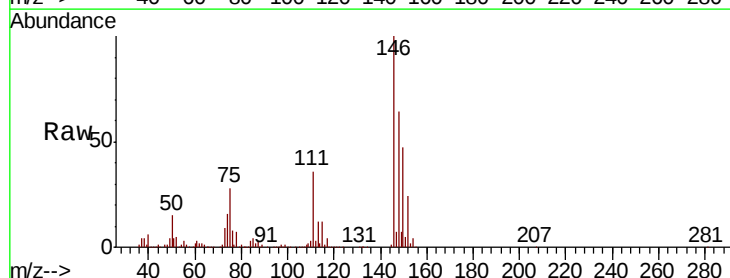
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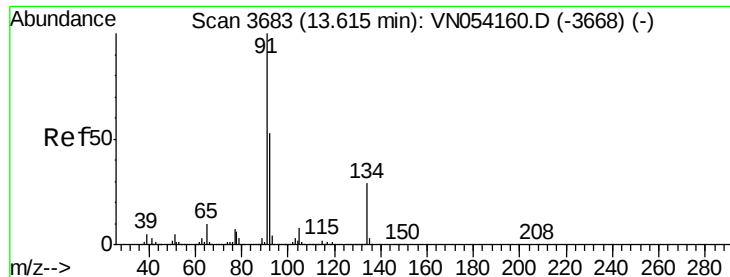
MMDadoda
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#88
1,4-Dichlorobenzene
Concen: 20.478 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	64.3	32.0	96.0





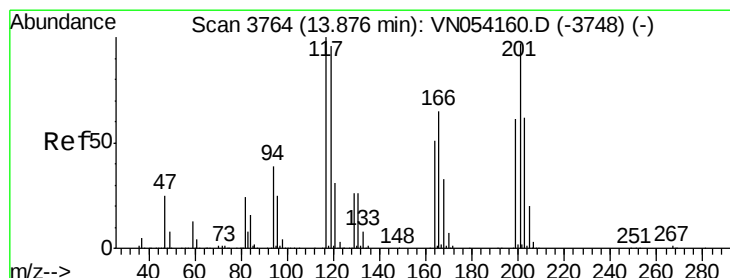
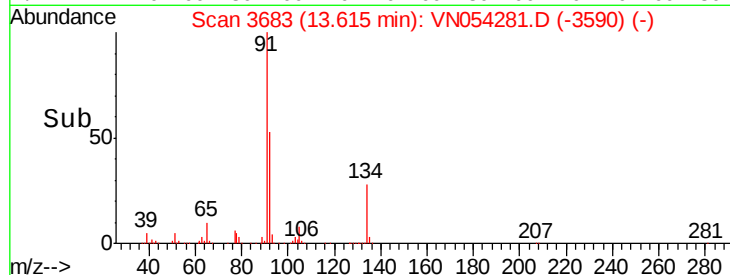
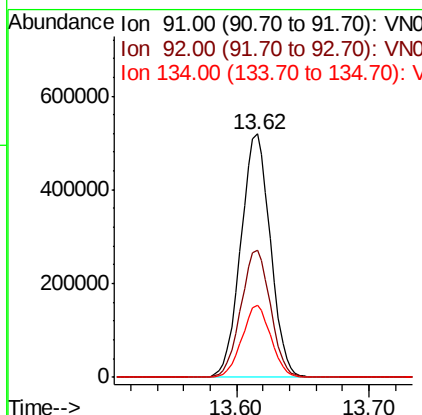
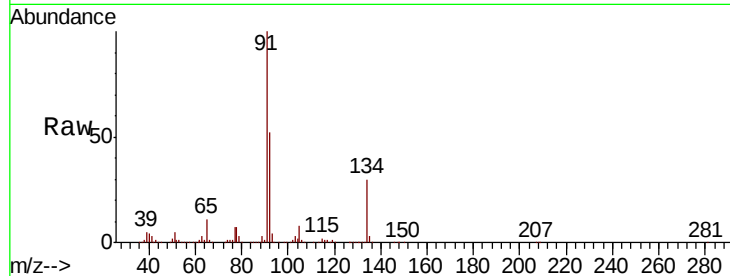
#89
n-Butylbenzene
Concen: 19.136 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.6
134	29.2	14.3	42.9

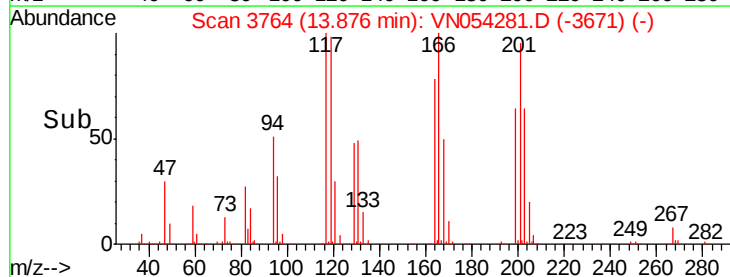
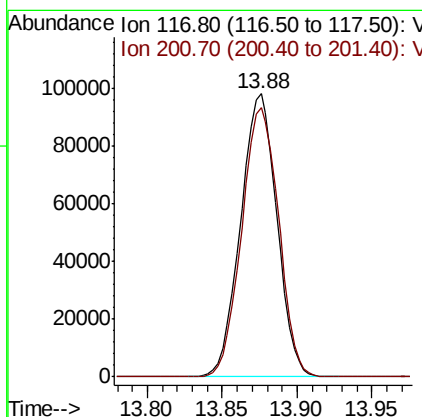
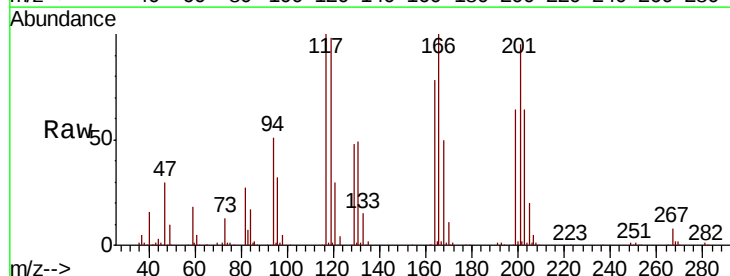
Manual Integrations
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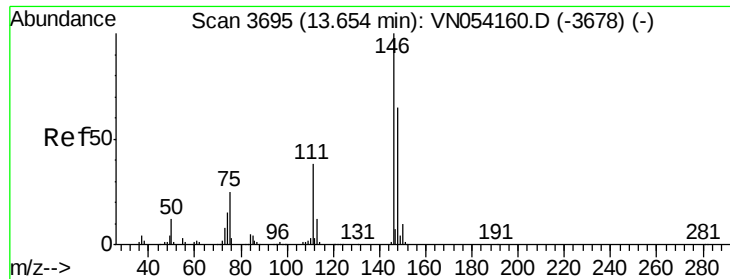
MMDadoda
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#90
Hexachloroethane
Concen: 18.102 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.0	48.1	144.4





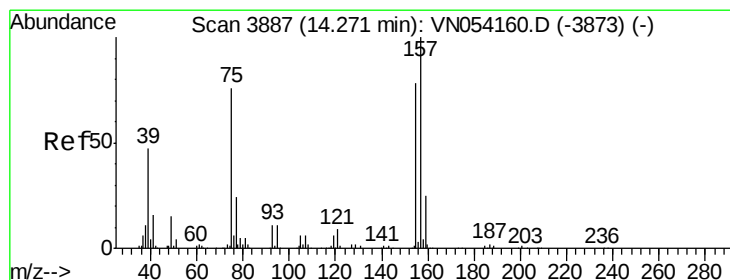
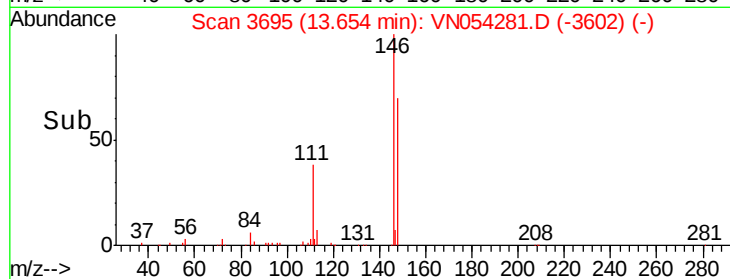
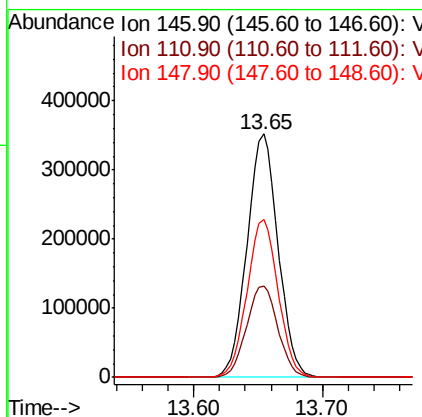
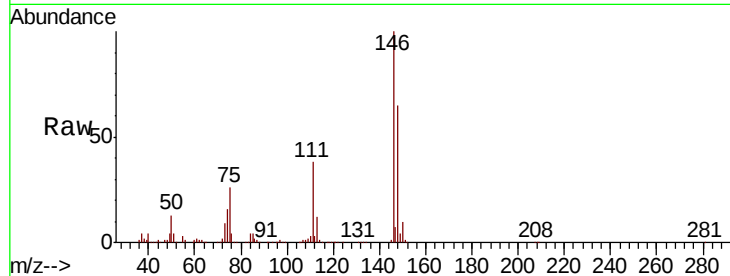
#91
 1,2-Dichlorobenzene
 Concen: 21.430 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.9	32.4	97.0

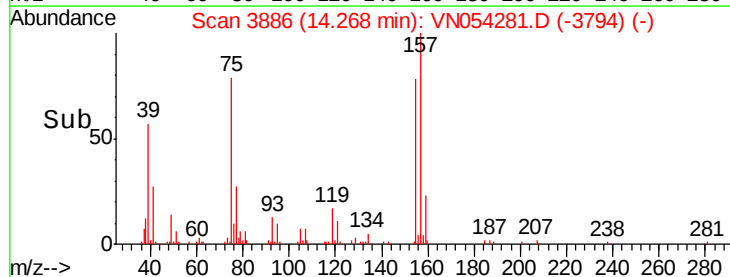
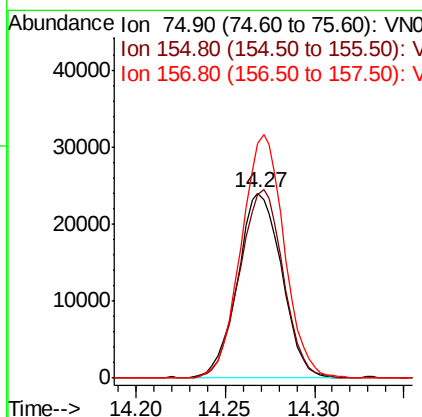
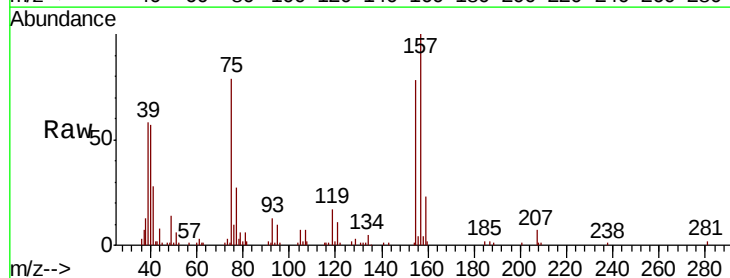
Manual Integrations
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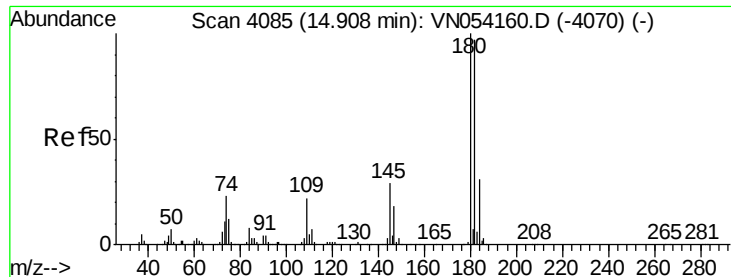
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.863 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054281.D
 Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.1	50.1	150.3
157	128.7	63.1	189.3





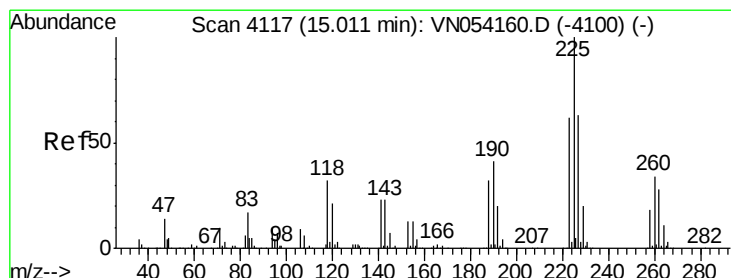
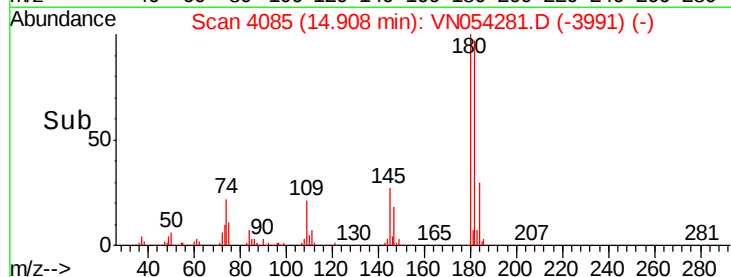
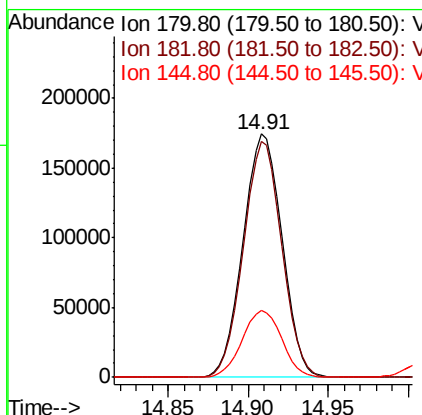
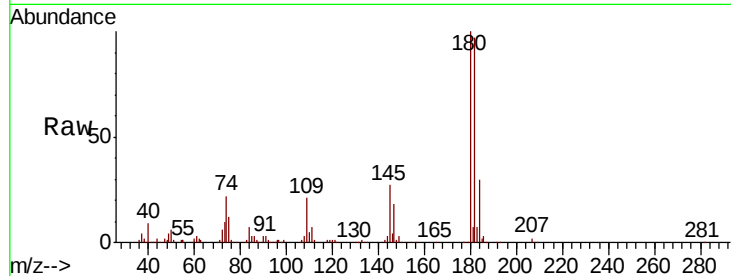
#93
1,2,4-Trichlorobenzene
Concen: 19.095 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	290968		
182	94.9	48.0	144.2	
145	27.7	14.2	42.8	

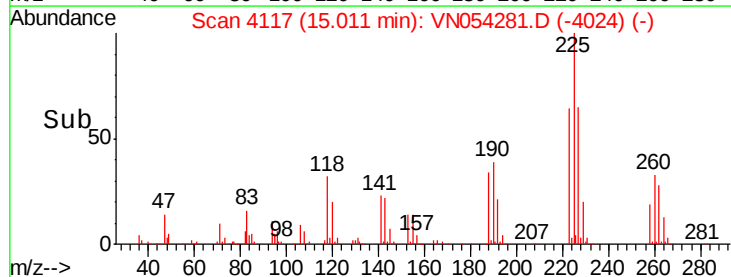
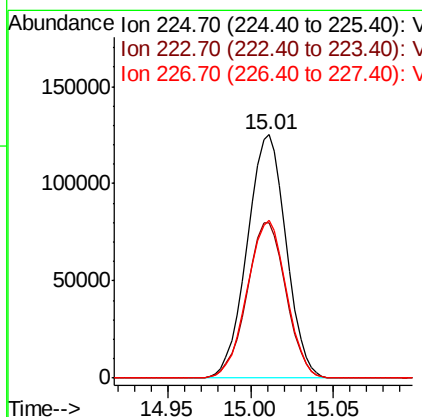
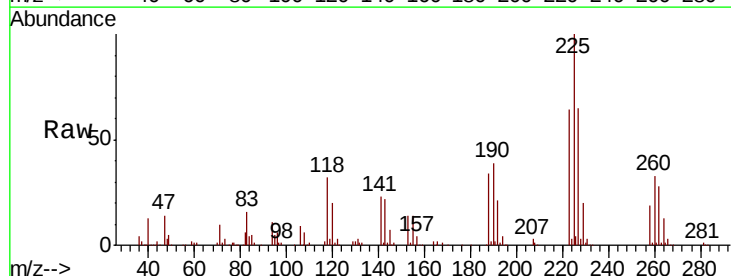
Manual Integrations
APPROVED

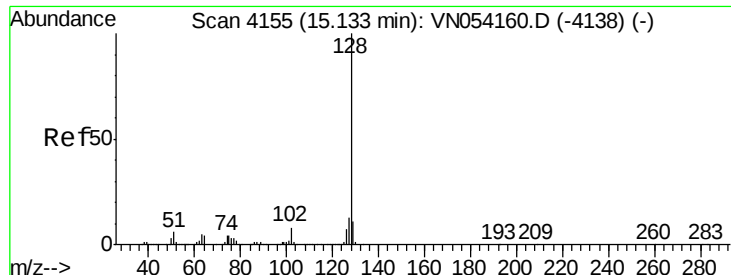
MMDadoda
3/15/2019 10:14:22 AM



#94
Hexachlorobutadiene
Concen: 19.517 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	205238		
223	64.2	31.1	93.5	
227	65.3	31.9	95.9	





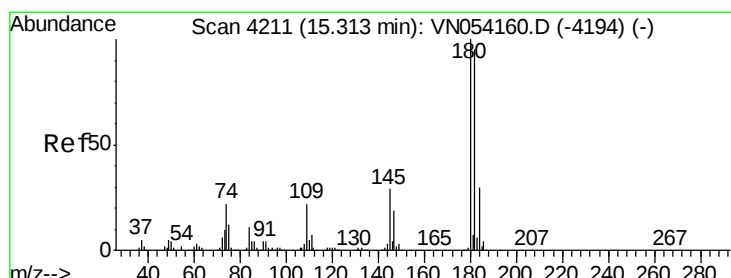
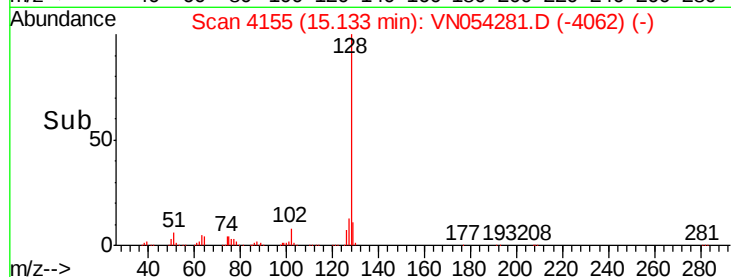
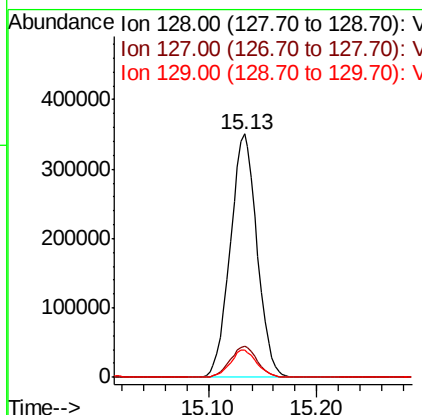
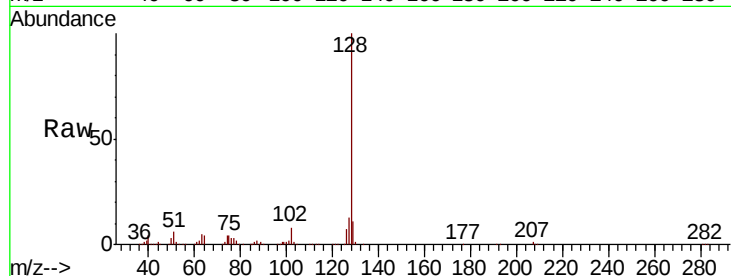
#95
Naphthalene
Concen: 19.727 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Instrument :
MSVOA_N
ClientSampleId :
VN0314WBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:14:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.619 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054281.D
Acq: 15 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	29.6	14.8	44.3

