

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053176.D
 Acq On : 24 Dec 2018 11:14
 Operator : MD\SY
 Sample : VN1224MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1224MBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:53:35 AM

Quant Time: Dec 24 23:17:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	935534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1420749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1260847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	572113	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	499482	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
35) Dibromofluoromethane	7.59	113	418101	64.42	ug/l	0.00
Spiked Amount			Recovery	=	128.84%	
50) Toluene-d8	10.09	98	1774085	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	609107	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	179550	18.963	ug/l	99
3) Chloromethane	2.06	50	231807	20.203	ug/l	100
4) Vinyl Chloride	2.19	62	229973	19.791	ug/l	100
5) Bromomethane	2.57	94	146380	18.182	ug/l	99
6) Chloroethane	2.71	64	137108	19.923	ug/l	99
7) Trichlorofluoromethane	3.02	101	296680	20.495	ug/l	98
8) Diethyl Ether	3.41	74	120328	22.034	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	190645	20.656	ug/l	99
10) Methyl Iodide	3.96	142	231749	17.880	ug/l	99
11) Tert butyl alcohol	4.78	59	61863	106.793	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	180819	20.278	ug/l	99
13) Acrolein	3.61	56	62631	119.239	ug/l	100
14) Allyl chloride	4.33	41	311219	22.533	ug/l	94
15) Acrylonitrile	4.99	53	359330	111.656	ug/l	100
16) Acetone	3.82	43	209460	112.525	ug/l	97
17) Carbon Disulfide	4.06	76	497236	17.099	ug/l	100
18) Methyl Acetate	4.32	43	196810	23.825	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	524133	21.965	ug/l	100
20) Methylene Chloride	4.55	84	213328	21.009	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	193339	20.181	ug/l	98
22) Diisopropyl ether	5.95	45	661079	22.423	ug/l	98
23) Vinyl Acetate	5.90	43	1921773	113.359	ug/l	99
24) 1,1-Dichloroethane	5.85	63	379298	21.651	ug/l	99
25) 2-Butanone	6.83	43	369260	118.202	ug/l	96
26) 2,2-Dichloropropane	6.83	77	276114	20.647	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	228311	21.050	ug/l	99
28) Bromochloromethane	7.20	49	169128	22.279	ug/l	97
29) Tetrahydrofuran	7.21	42	267101	114.478	ug/l	98
30) Chloroform	7.37	83	366224	21.280	ug/l	98
31) Cyclohexane	7.65	56	348666	20.603	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	303554	20.706	ug/l	100
36) 1,1-Dichloropropene	7.79	75	279809	20.519	ug/l	99
37) Ethyl Acetate	6.93	43	172121	22.610	ug/l	98
38) Carbon Tetrachloride	7.78	117	258057	20.646	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	317897	19.190	ug/l	100
40) Benzene	8.04	78	866689	21.367	ug/l	100
41) Methacrylonitrile	7.17	41	102081	23.208	ug/l	95
42) 1,2-Dichloroethane	8.12	62	255026	21.283	ug/l	98
43) Isopropyl Acetate	8.16	43	319286	21.069	ug/l	98
44) Trichloroethene	8.84	130	234441	19.983	ug/l	99
45) 1,2-Dichloropropane	9.12	63	228570	21.634	ug/l	99
46) Dibromomethane	9.21	93	131221	21.320	ug/l	99
47) Bromodichloromethane	9.40	83	277367	21.201	ug/l	99
48) Methyl methacrylate	9.20	41	160353	21.707	ug/l	99
49) 1,4-Dioxane	9.20	88	35420	379.051	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	859657	116.606	ug/l	100
52) Toluene	10.16	92	527964	21.000	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	275546	20.029	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	329509	20.867	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	190047	21.667	ug/l	98
56) Ethyl methacrylate	10.43	69	250587	21.585	ug/l	98
57) 1,3-Dichloropropane	10.71	76	329566	21.911	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	705199	110.645	ug/l	99
59) 2-Hexanone	10.75	43	574616	115.201	ug/l	100
60) Dibromochloromethane	10.90	129	206777	20.595	ug/l	99
61) 1,2-Dibromoethane	11.01	107	188706	21.184	ug/l	100
64) Tetrachloroethene	10.63	164	251449	18.411	ug/l	99
65) Chlorobenzene	11.43	112	580231	20.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	205625	21.156	ug/l	100
67) Ethyl Benzene	11.51	91	998089	20.765	ug/l	99
68) m/p-Xylenes	11.62	106	753751	41.251	ug/l	99
69) o-Xylene	11.95	106	371522	21.189	ug/l	100
70) Styrene	11.96	104	607804	21.259	ug/l	99
71) Bromoform	12.13	173	138261	19.691	ug/l #	99
73) Isopropylbenzene	12.25	105	974528	21.771	ug/l	100
74) N-amyl acetate	12.07	43	266325	21.430	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	219219	24.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	192088m	19.945	ug/l	
77) Bromobenzene	12.53	156	251454	21.610	ug/l	99
78) n-propylbenzene	12.59	91	1083770	21.258	ug/l	100
79) 2-Chlorotoluene	12.67	91	654284	20.705	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	769708	21.096	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59273	19.836	ug/l	97
82) 4-Chlorotoluene	12.77	91	661379	21.380	ug/l	100
83) tert-Butylbenzene	12.99	119	680263	21.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	773955	21.101	ug/l	99
85) sec-Butylbenzene	13.17	105	893814	20.479	ug/l	100
86) p-Isopropyltoluene	13.29	119	762313	20.213	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	425873	20.679	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	422962	20.281	ug/l	100
89) n-Butylbenzene	13.62	91	608678	18.760	ug/l	100
90) Hexachloroethane	13.87	117	116202	20.078	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	413423	21.330	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31505	20.748	ug/l	98

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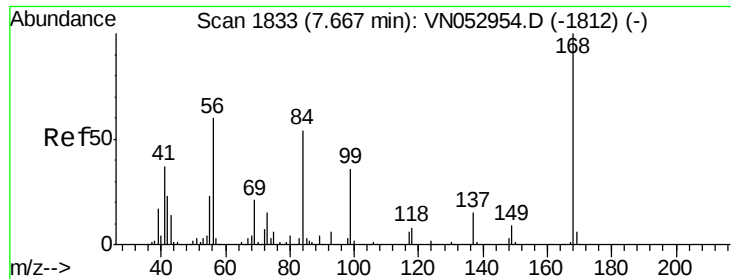
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188142	18.700	ug/l	99
94) Hexachlorobutadiene	15.01	225	124948	21.886	ug/l	99
95) Naphthalene	15.13	128	417617	19.287	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	171738	18.892	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion:168 Resp: 935534

Ion Ratio Lower Upper

168 100

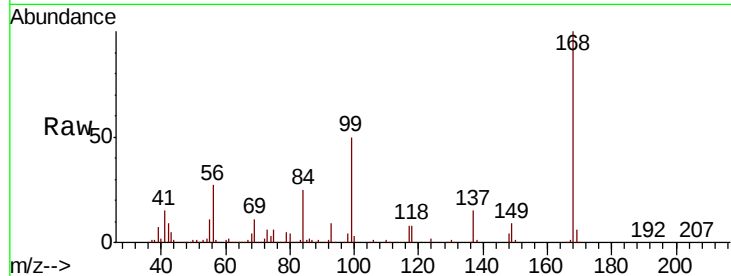
99 49.5 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

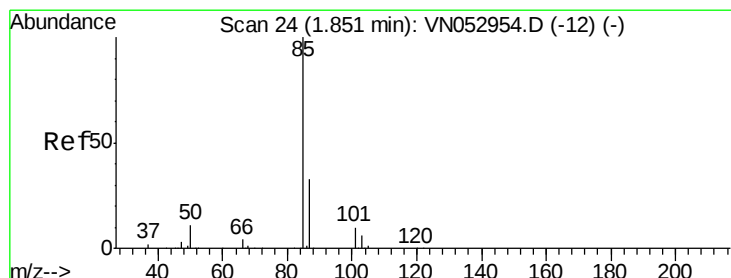
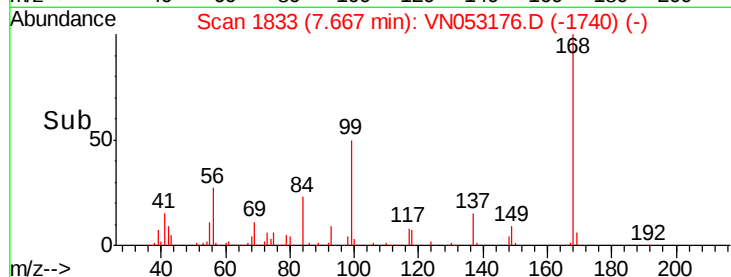
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.963 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053176.D

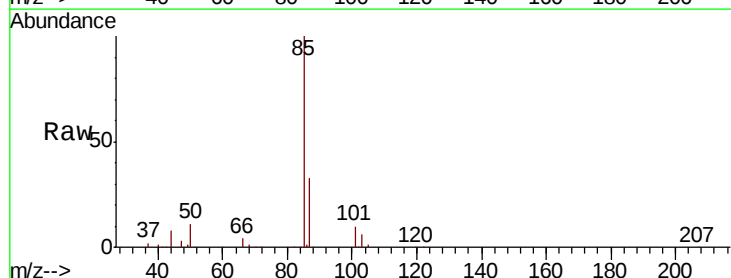
Acq: 24 Dec 2018 11:14

Tgt Ion: 85 Resp: 179550

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

150000

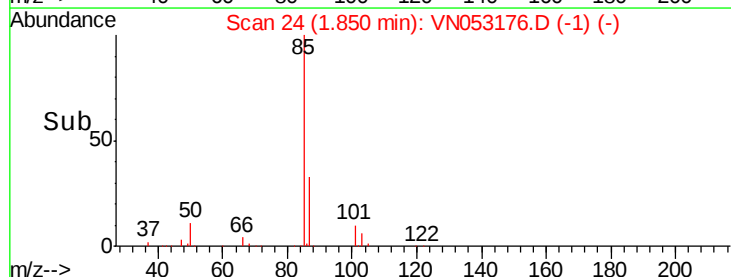
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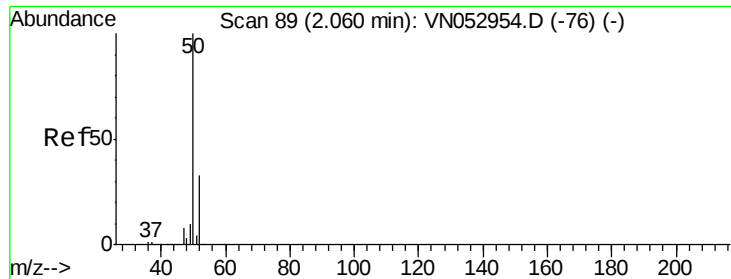
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.203 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 50 Resp: 231807

Ion Ratio Lower Upper

50 100

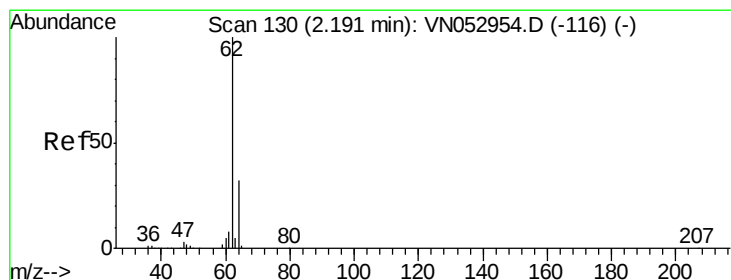
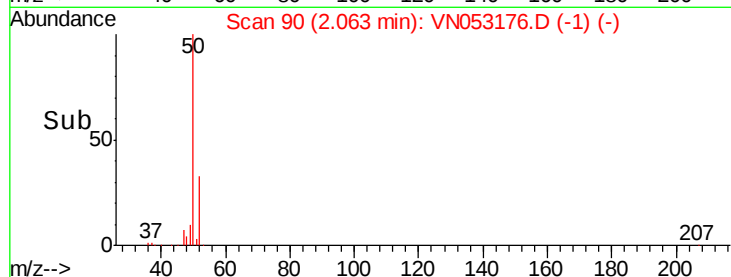
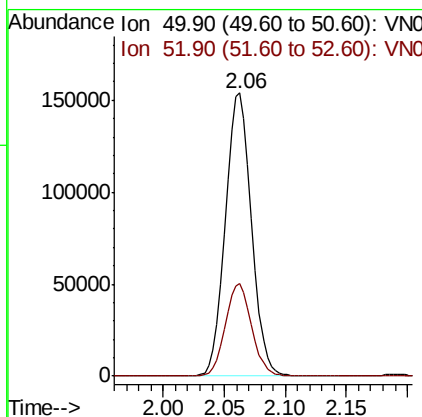
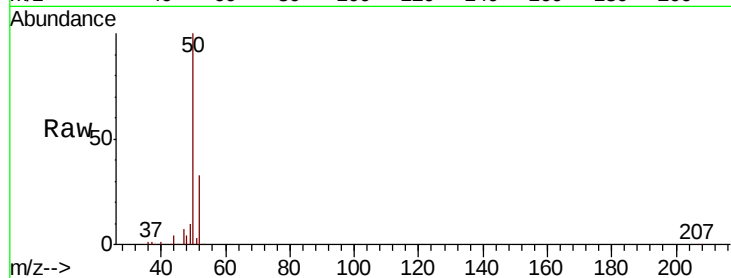
52 32.6 26.2 39.4

Manual Integrations

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12/26/2018 10:53:35 AM



#4

Vinyl Chloride

Concen: 19.791 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053176.D

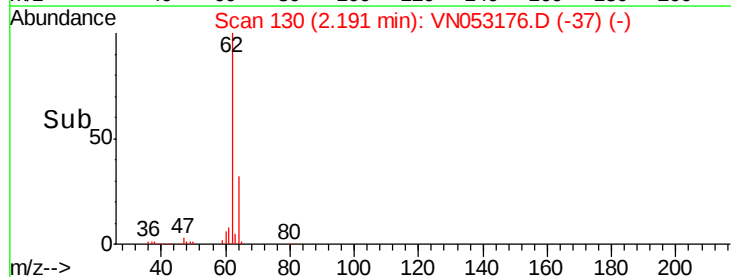
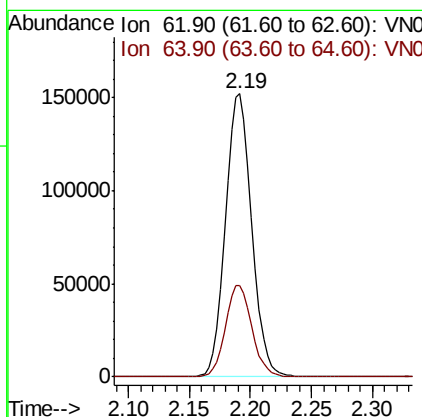
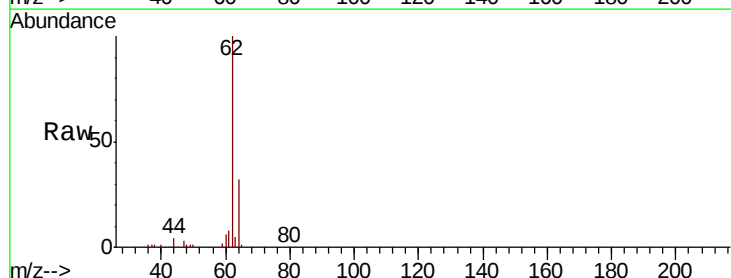
Acq: 24 Dec 2018 11:14

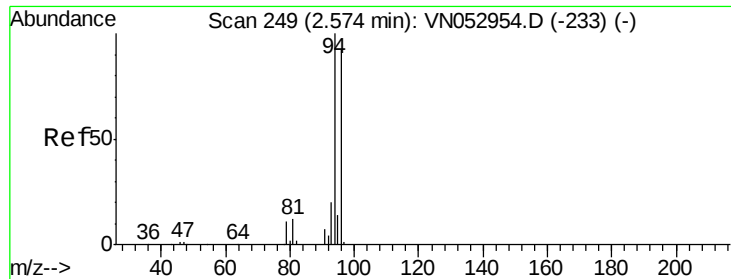
Tgt Ion: 62 Resp: 229973

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 18.182 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 146380

Ion Ratio Lower Upper

94 100

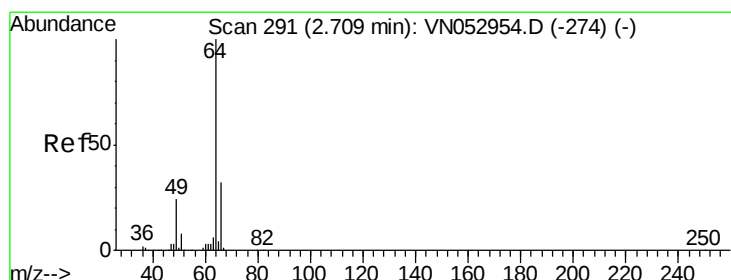
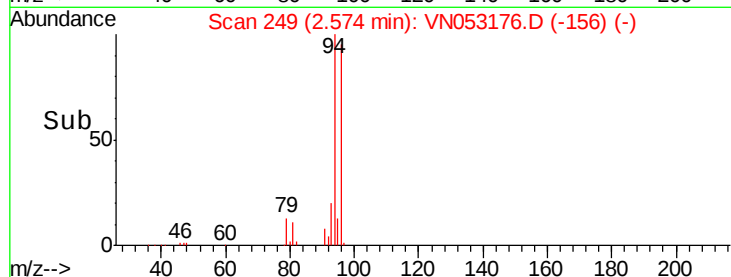
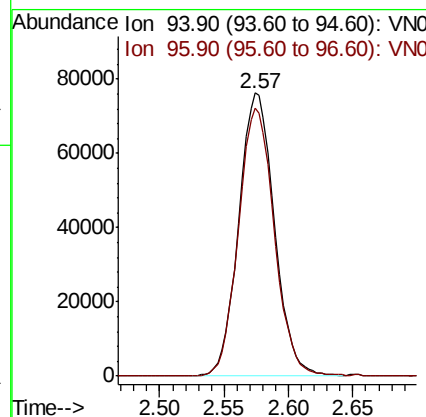
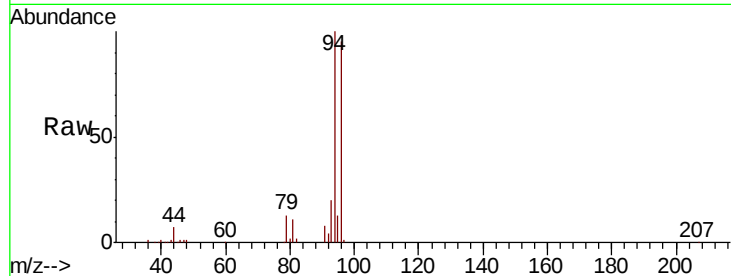
96 94.7 75.0 112.4

Manual Integrations

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12/26/2018 10:53:35 AM



#6

Chloroethane

Concen: 19.923 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053176.D

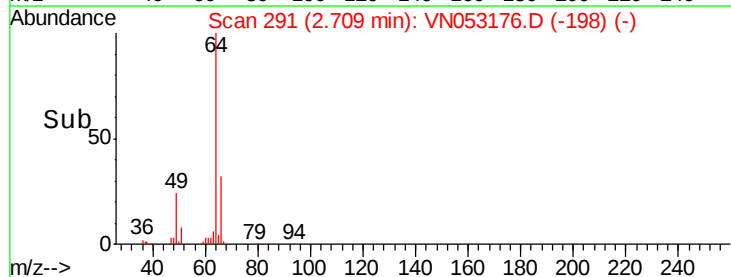
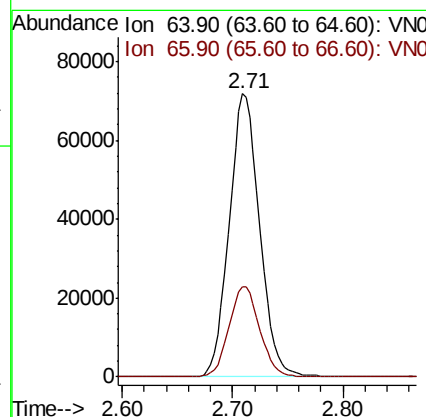
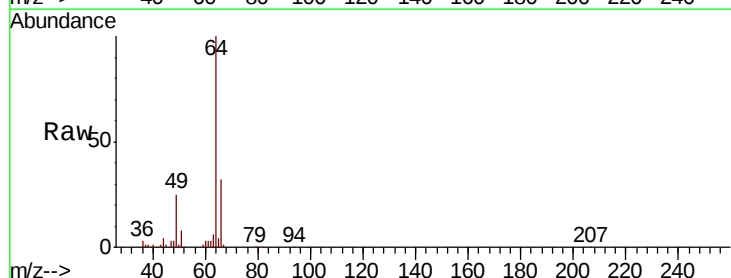
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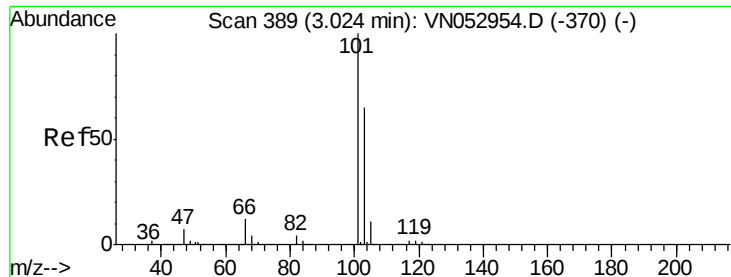
Tgt Ion: 64 Resp: 137108

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2





#7

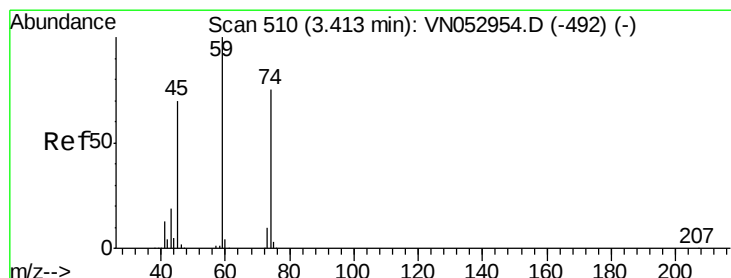
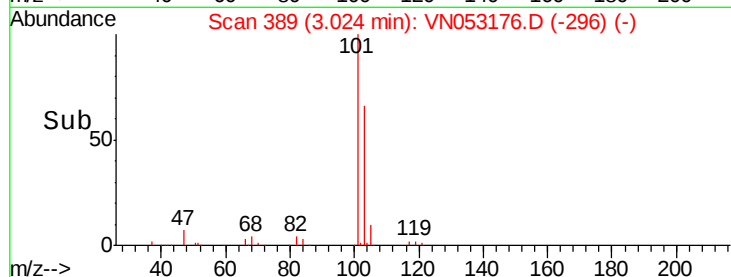
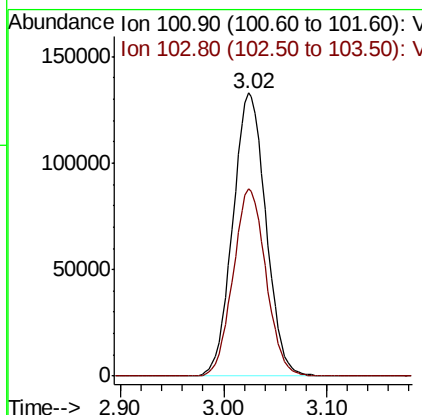
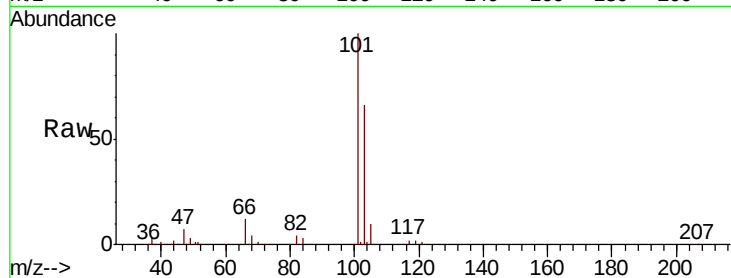
Trichlorofluoromethane
 Concen: 20.495 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

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 VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.8	77.6

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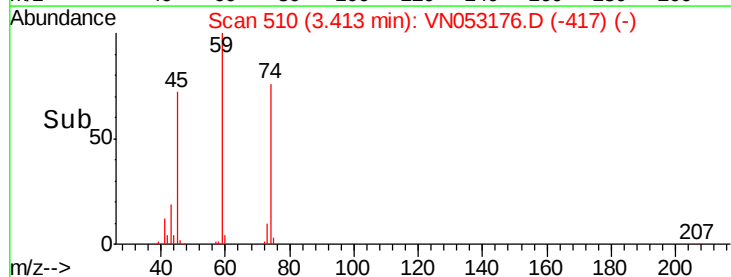
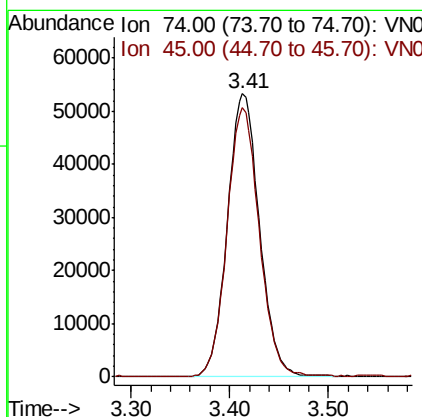
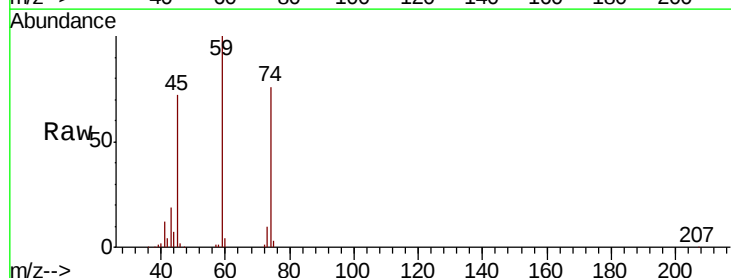
MMDadoda
 12/26/2018 10:53:35 AM

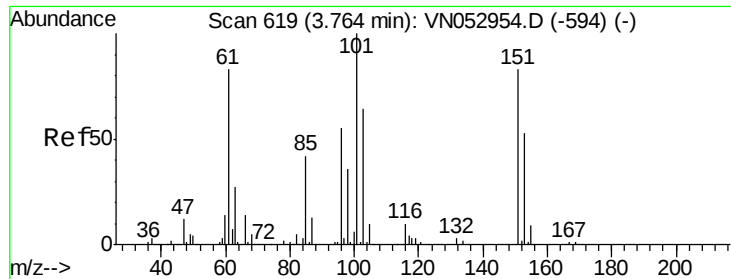


#8

Diethyl Ether
 Concen: 22.034 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.656 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

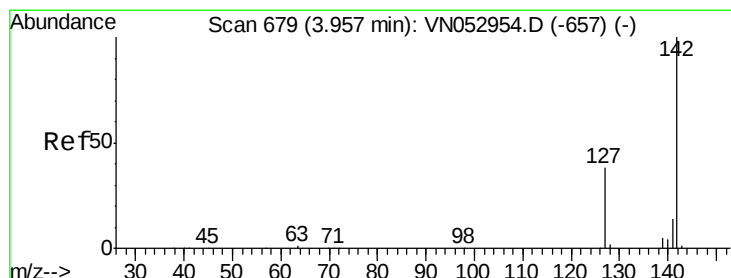
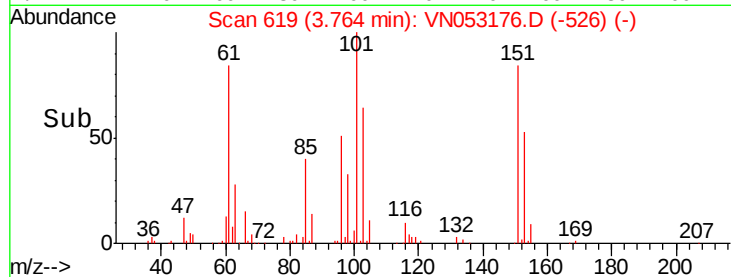
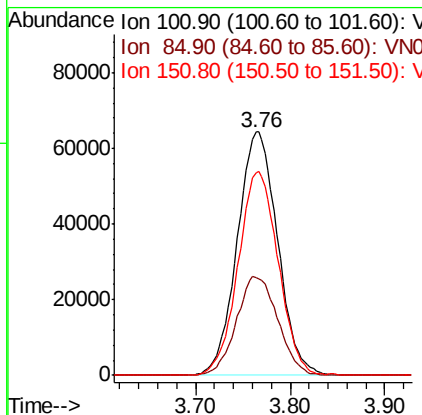
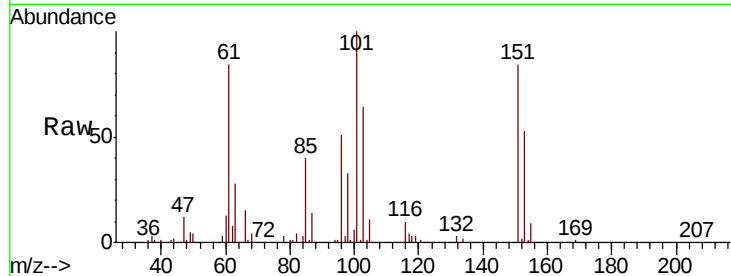
ClientSampleId :

VN1224MBSD01

Tot Ion:	101	Resp:	190645
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.6	50.4
151	83.2	65.5	98.3

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#10

Methyl Iodide

Concen: 17.880 ug/l

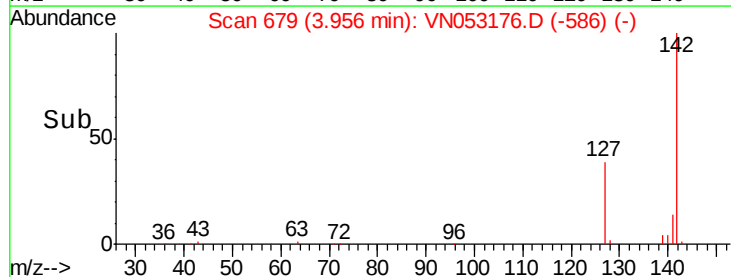
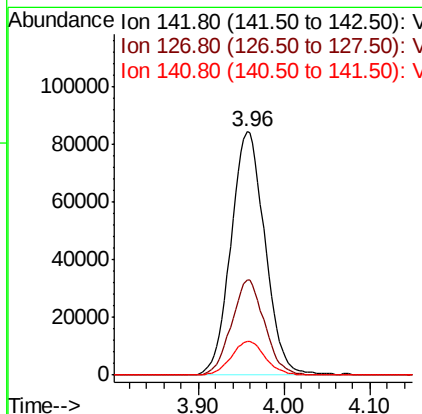
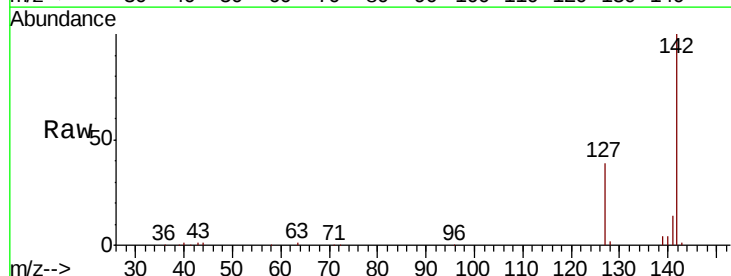
RT: 3.96 min Scan# 679

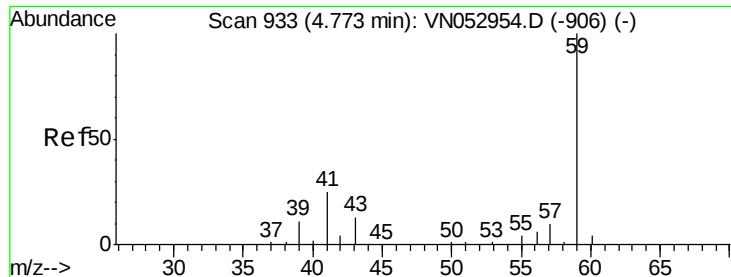
Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Tgt Ion:	142	Resp:	231749
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.6
141	13.8	11.2	16.8





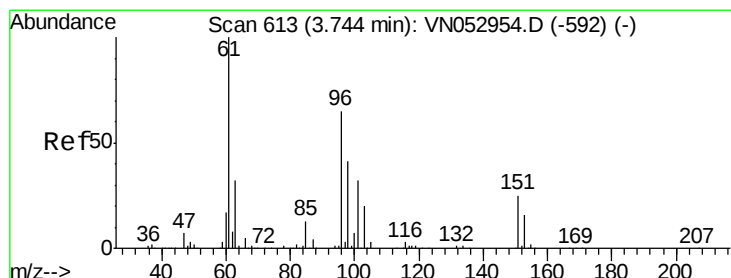
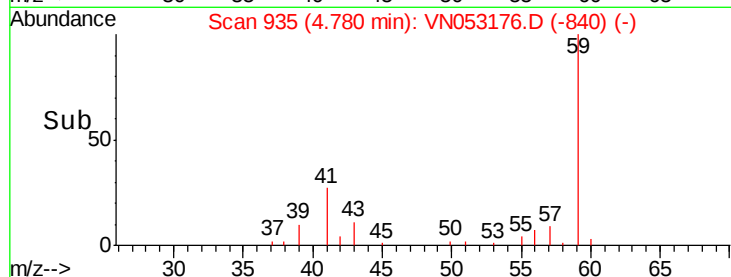
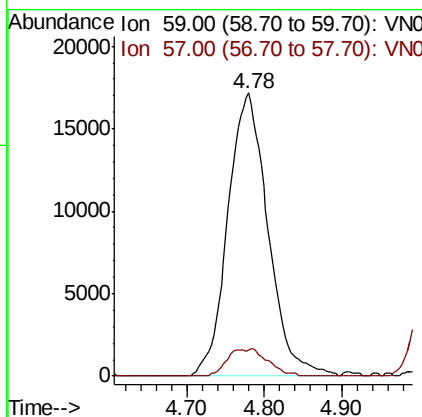
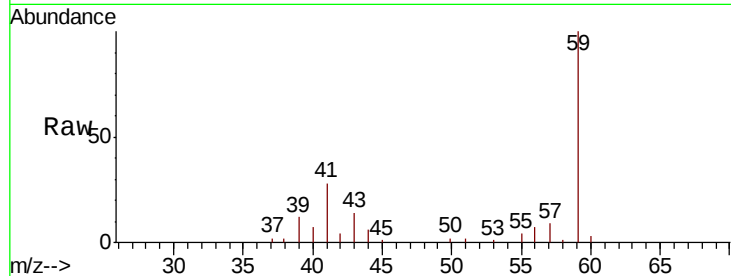
#11
Tert butyl alcohol
Concen: 106.793 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.7	7.7	11.5#

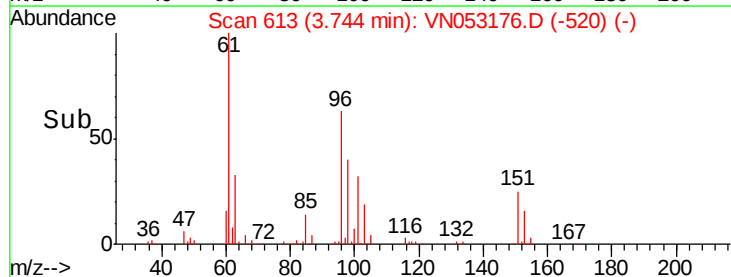
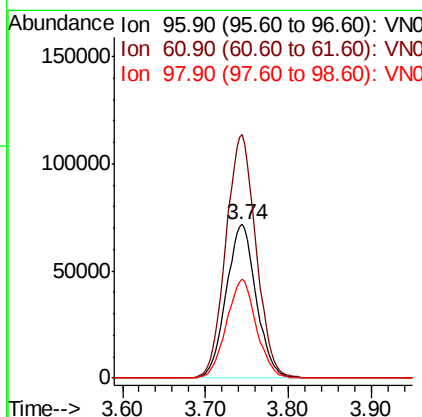
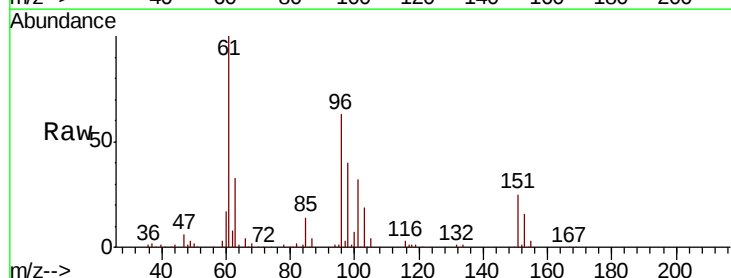
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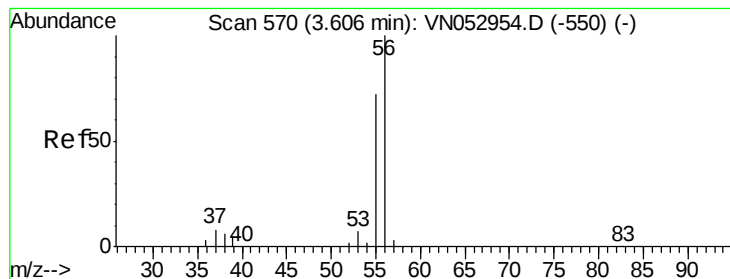
MMDadoda
12/26/2018 10:53:35 AM



#12
1,1-Dichloroethene
Concen: 20.278 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	125.6	188.4
98	64.0	50.6	75.8





#13

Acrolein

Concen: 119.239 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 56 Resp: 62631

Ion Ratio Lower Upper

56 100

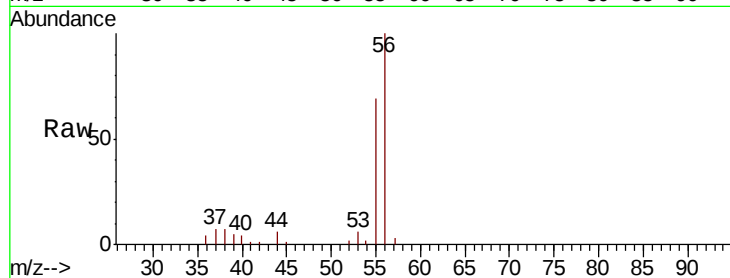
55 70.9 56.6 85.0

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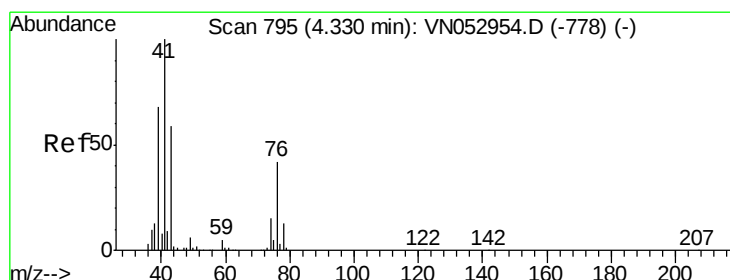
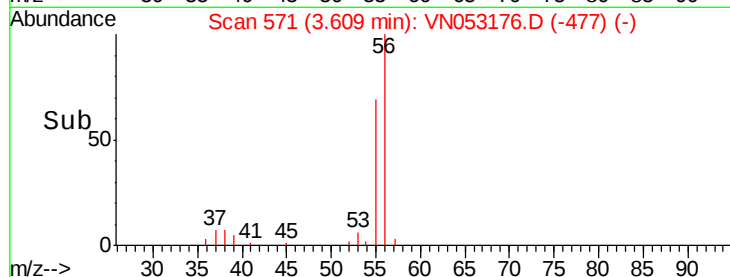
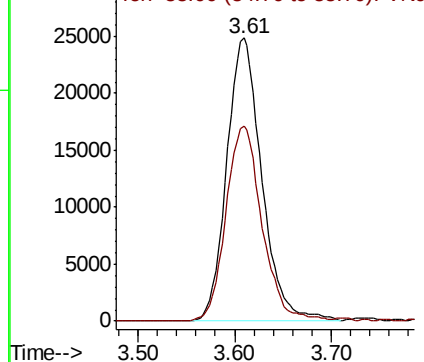
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.533 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

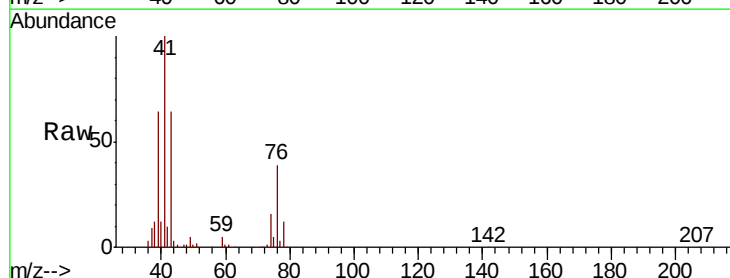
Tgt Ion: 41 Resp: 311219

Ion Ratio Lower Upper

41 100

39 61.5 54.1 81.1

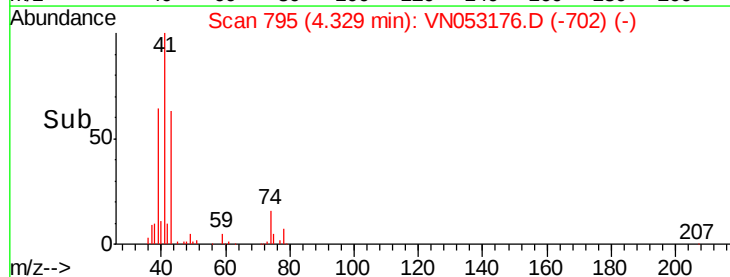
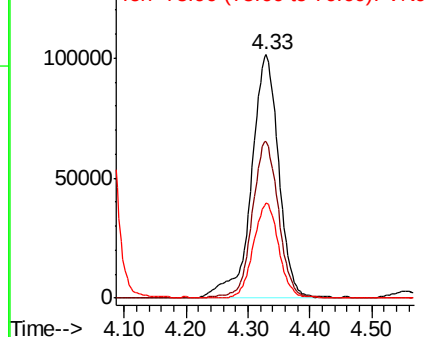
76 35.7 30.3 45.5

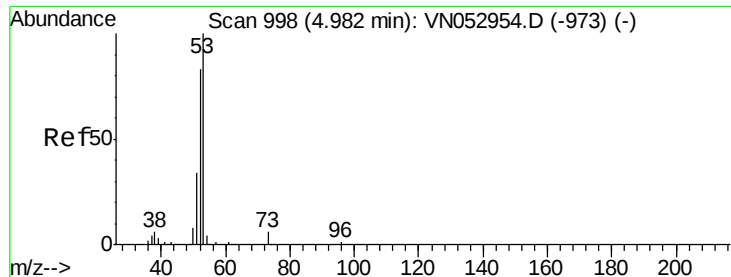


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.656 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

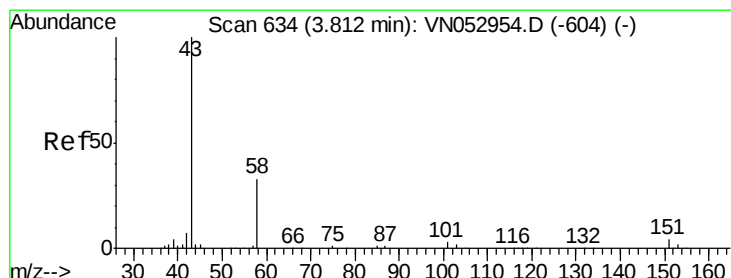
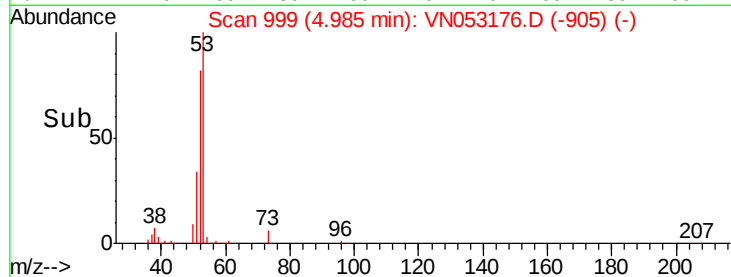
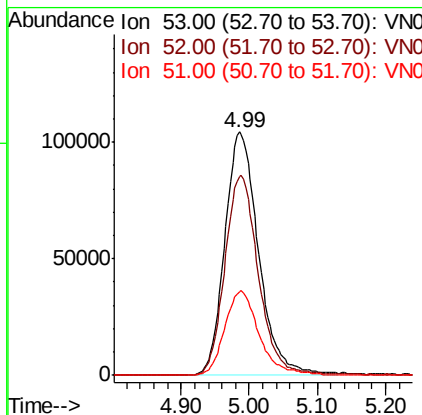
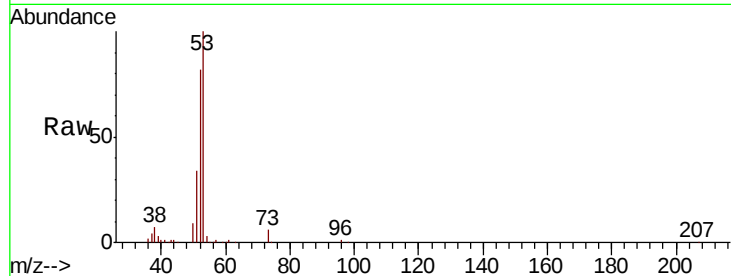
ClientSampleId :

VN1224MBSD01

Tot Ion:	53	Resp:	359330
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.1	97.7
51	35.5	28.1	42.1

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#16

Acetone

Concen: 112.525 ug/l

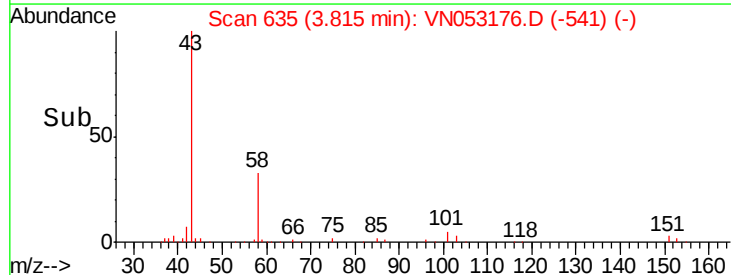
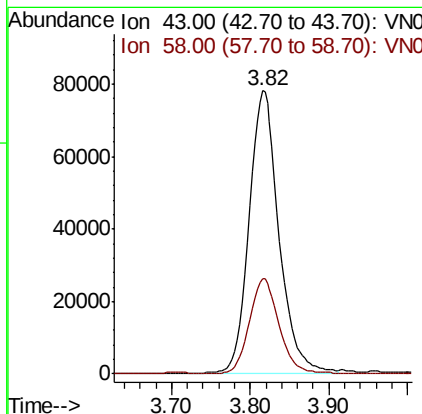
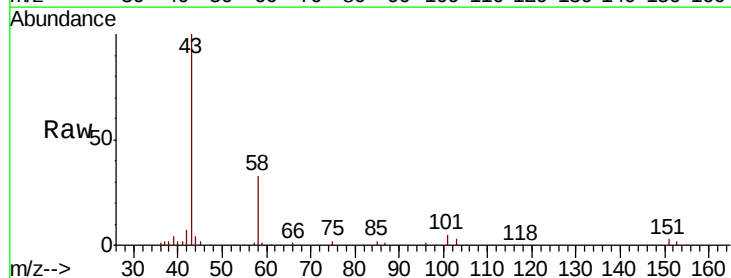
RT: 3.82 min Scan# 635

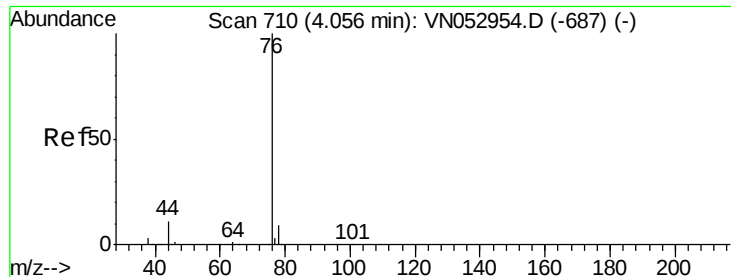
Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Tgt Ion:	43	Resp:	209460
Ion Ratio		Lower	Upper
43	100		
58	33.3	25.4	38.0





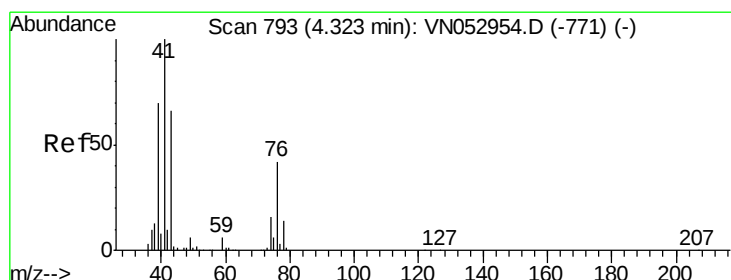
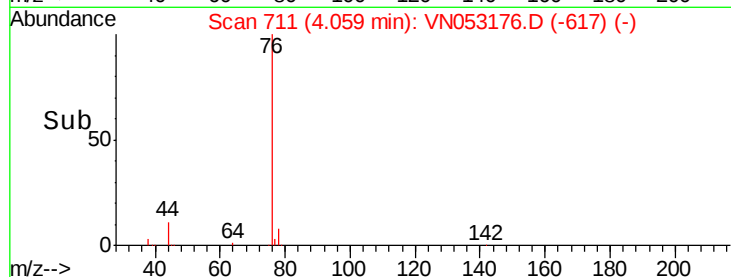
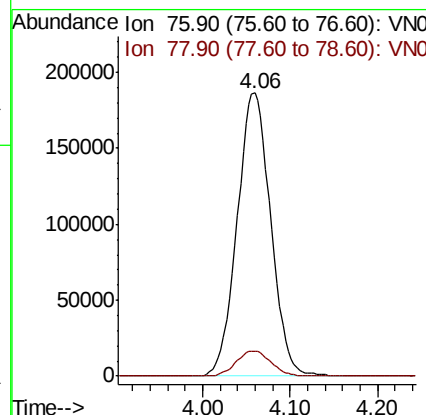
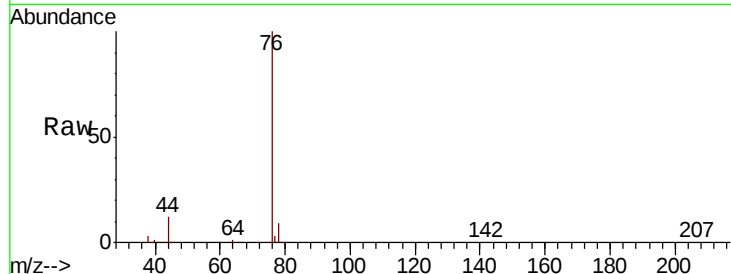
#17
Carbon Disulfide
Concen: 17.099 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

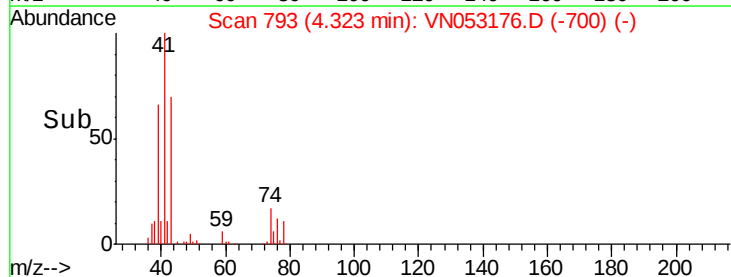
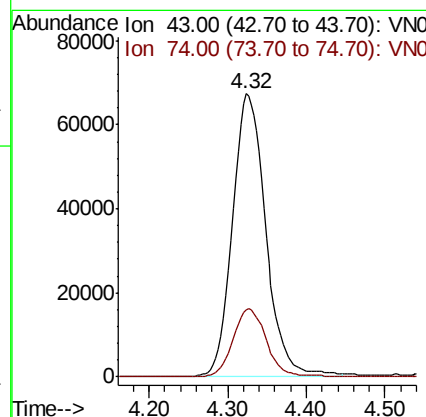
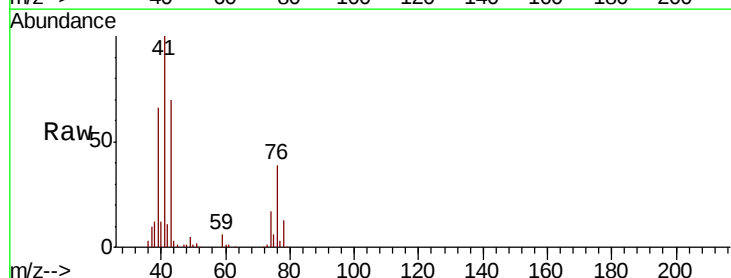
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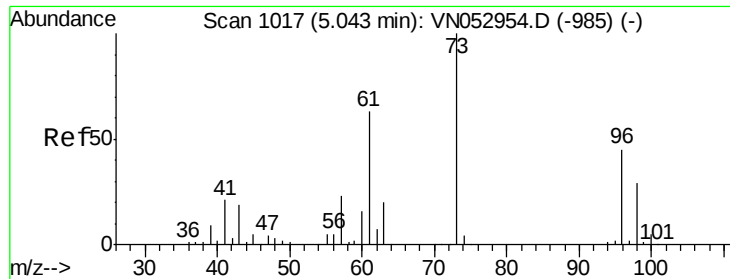
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#18
Methyl Acetate
Concen: 23.825 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.2	28.8





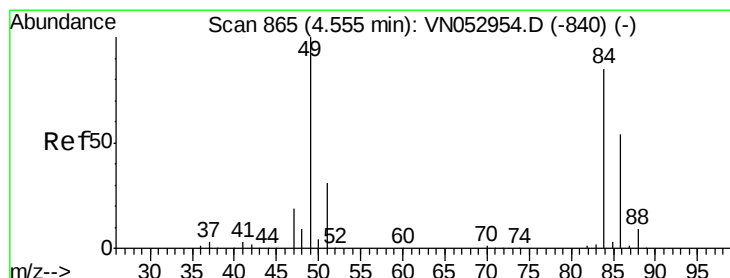
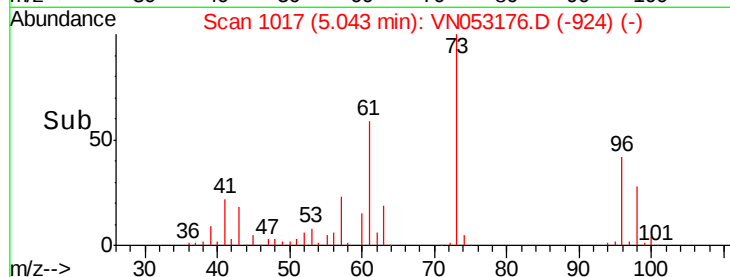
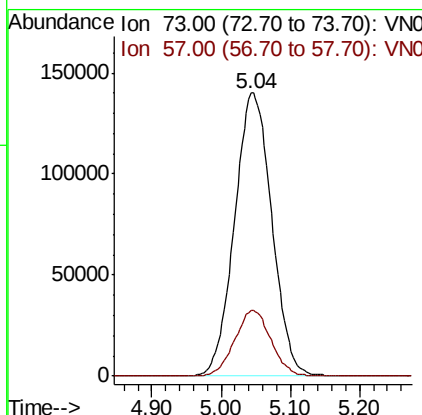
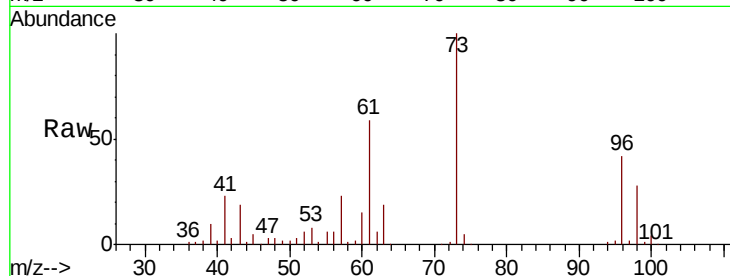
#19
Methvl tert-butvl Ether
Concen: 21.965 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion: 73 Resp: 524133
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

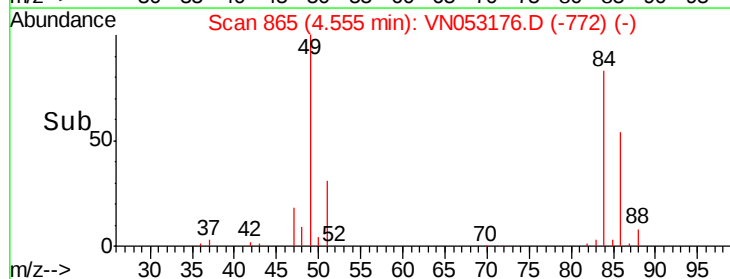
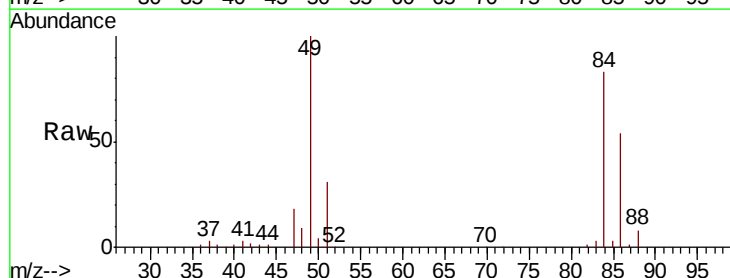
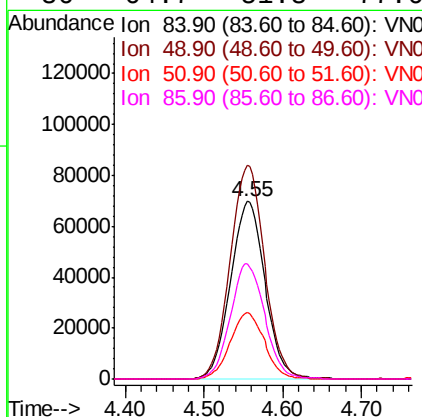
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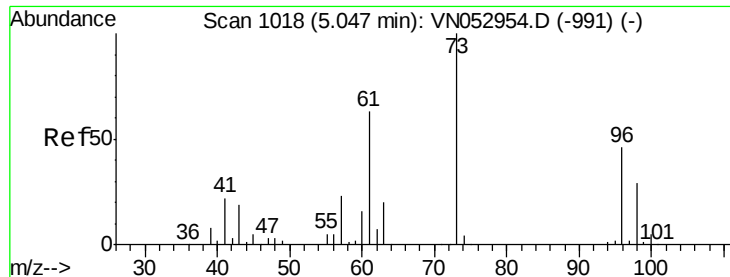
MMDadoda
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#20
Methylene Chloride
Concen: 21.009 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 84 Resp: 213328
Ion Ratio Lower Upper
84 100
49 120.4 96.8 145.2
51 37.6 29.9 44.9
86 64.7 51.8 77.6





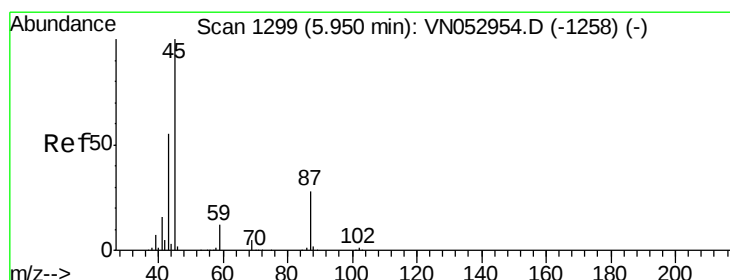
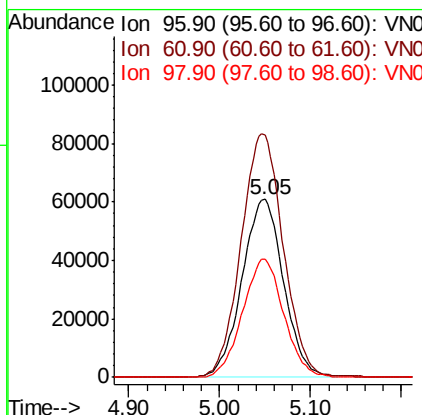
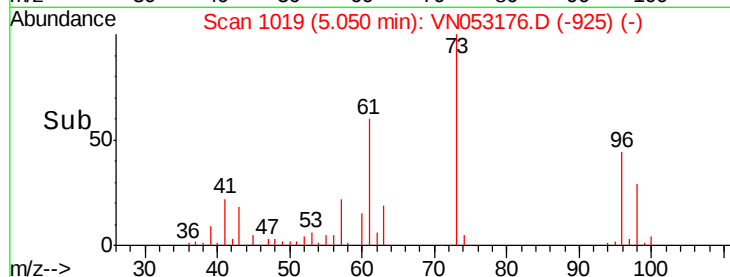
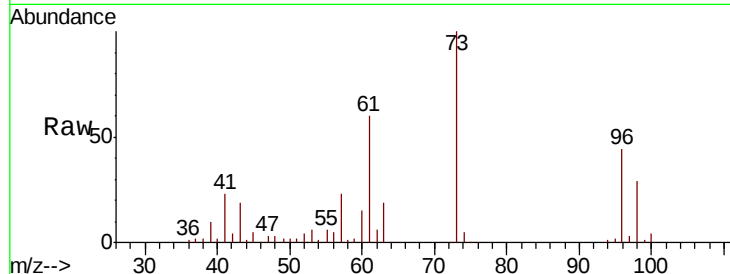
#21
trans-1,2-Dichloroethene
Concen: 20.181 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.8	110.8	166.2
98	66.3	51.4	77.2

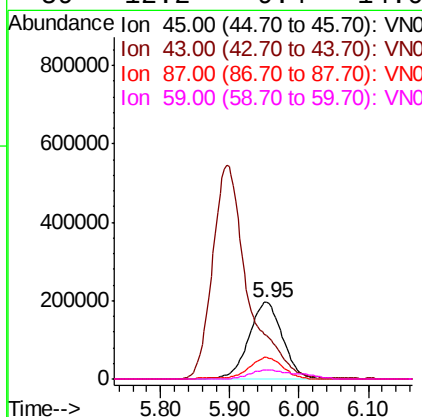
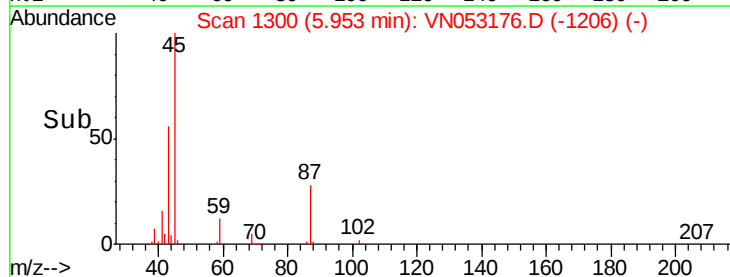
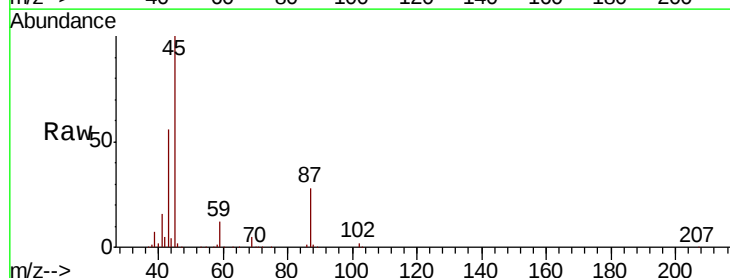
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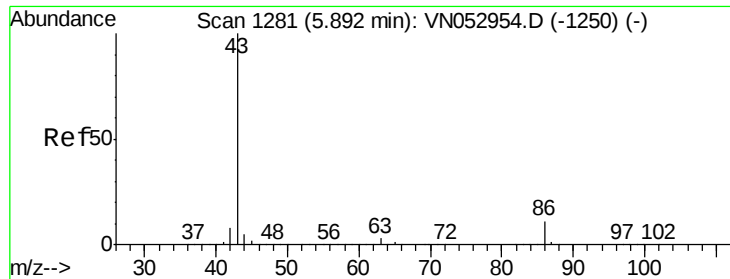
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#22
Diisopropyl ether
Concen: 22.423 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.2	45.5	68.3
87	27.9	22.0	33.0
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 113.359 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 43 Resp: 1921773

Ion Ratio Lower Upper

43 100

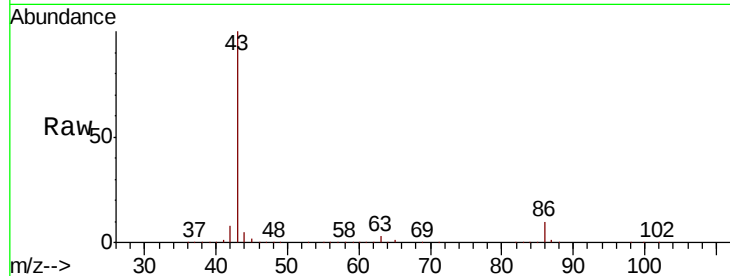
86 10.5 8.1 12.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

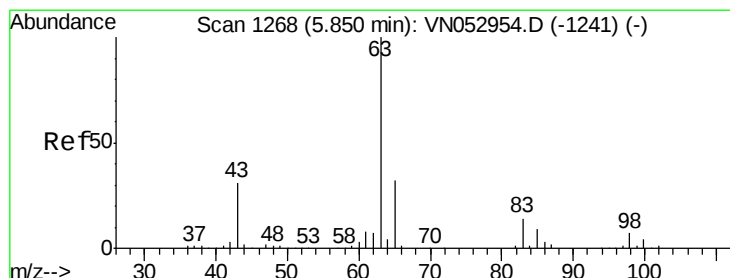
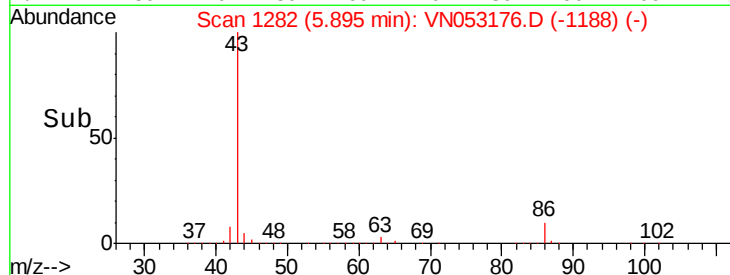
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.651 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

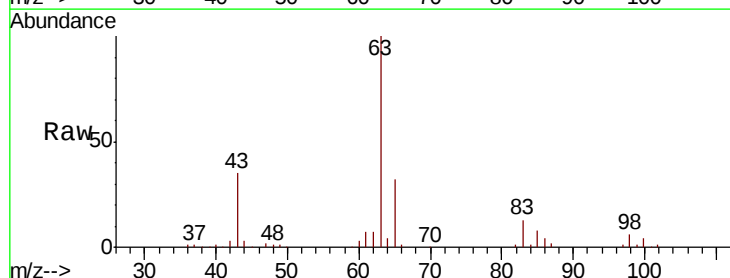
Tgt Ion: 63 Resp: 379298

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.3 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

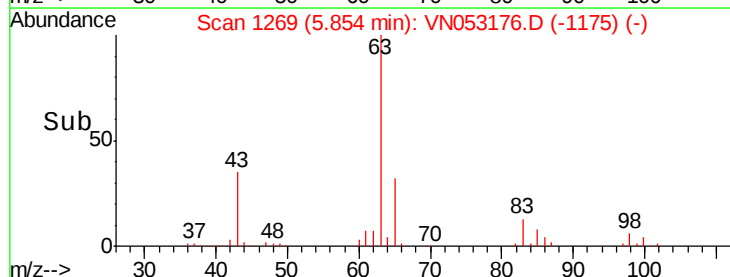
150000

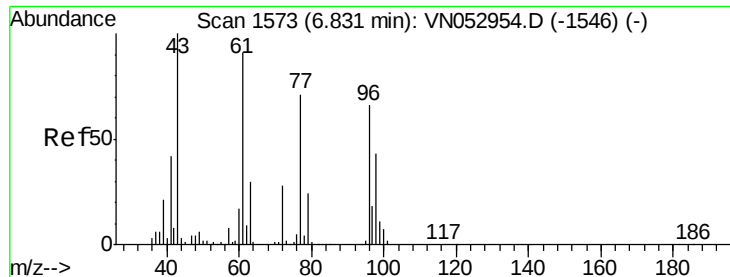
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 118.202 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 43 Resp: 369260

Ion Ratio Lower Upper

43 100

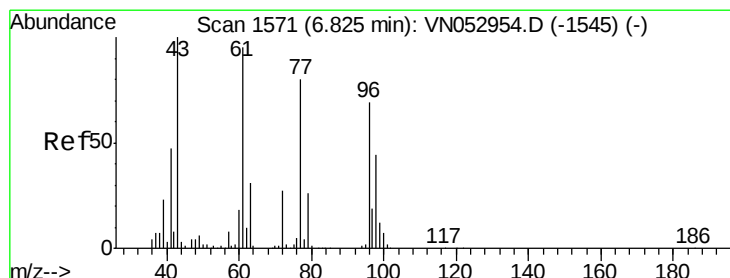
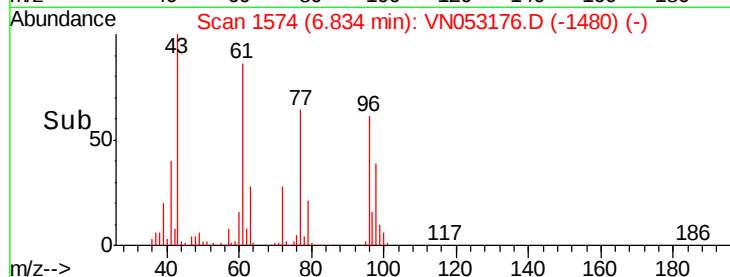
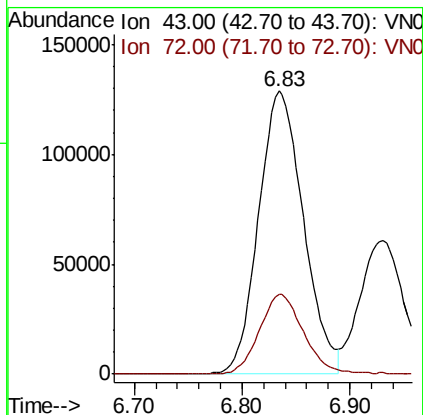
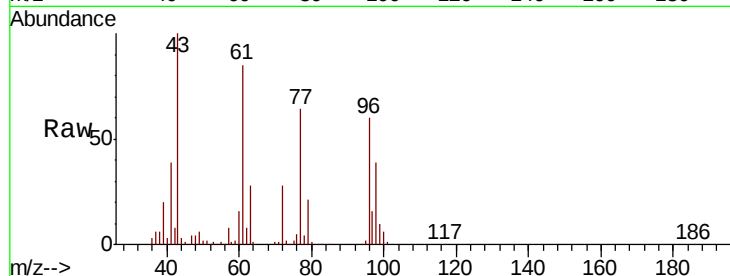
72 28.3 21.0 31.6

Manual Integrations

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MMDadoda

12/26/2018 10:53:35 AM



#26

2,2-Dichloropropane

Concen: 20.647 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053176.D

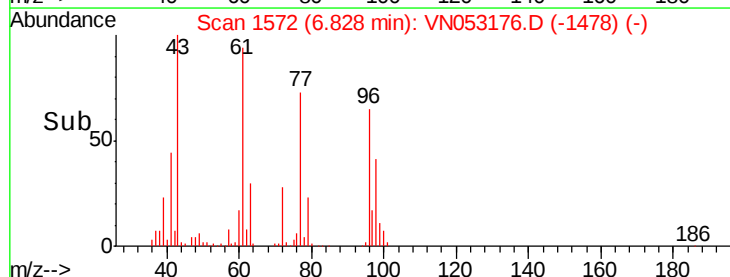
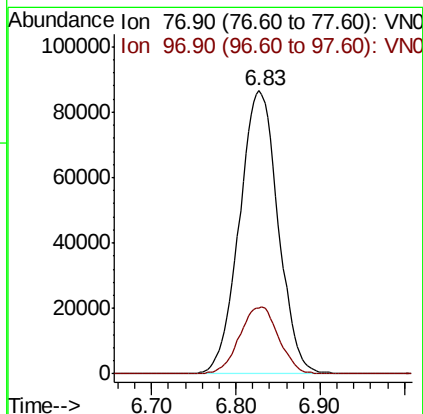
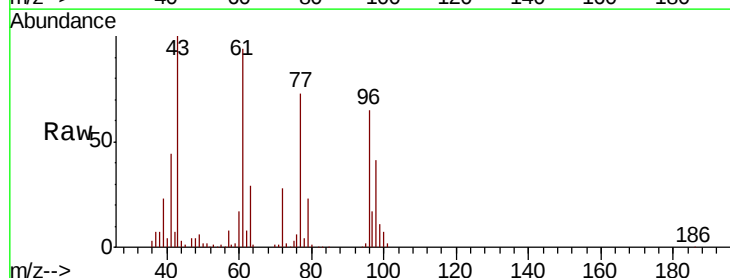
Acq: 24 Dec 2018 11:14

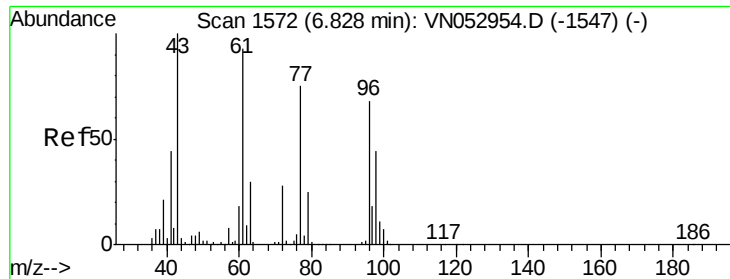
Tgt Ion: 77 Resp: 276114

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.050 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

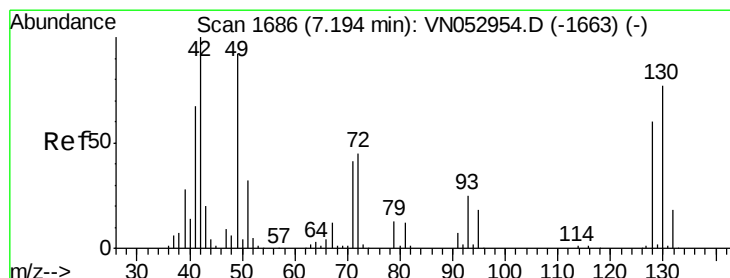
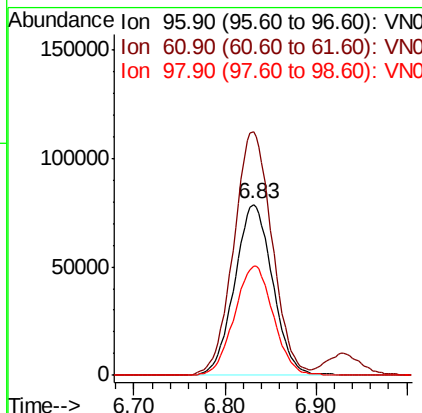
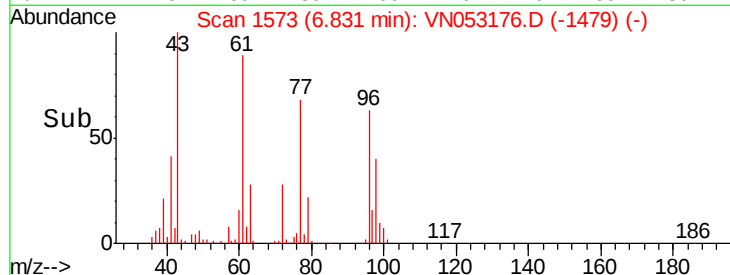
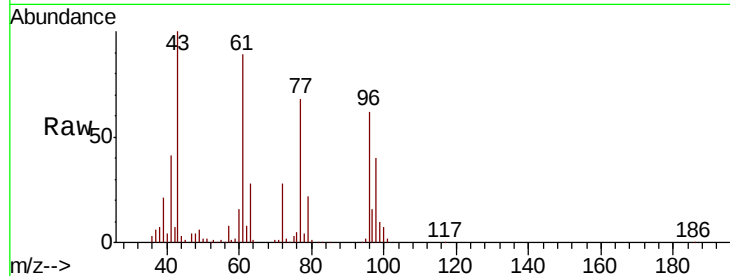
ClientSampleId :

VN1224MBSD01

Tot Ion:	96	Resp:	228311
Ion Ratio	Lower	Upper	
96	100		
61	144.1	0.0	284.2
98	65.5	0.0	129.2

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#28

Bromochloromethane

Concen: 22.279 ug/l

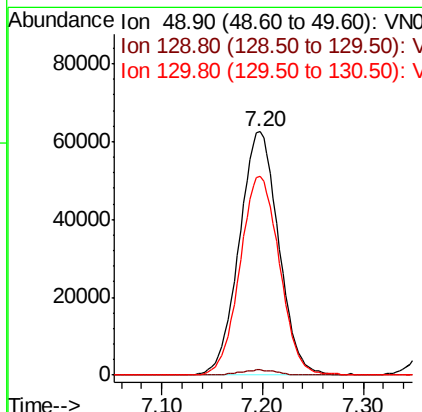
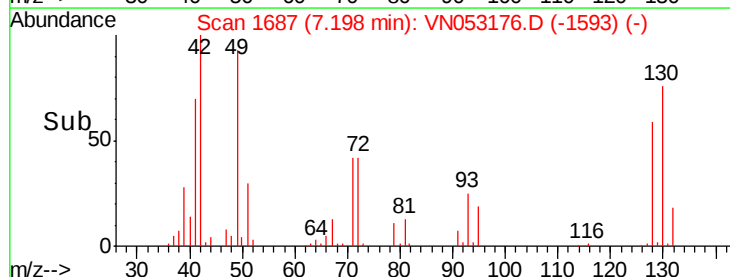
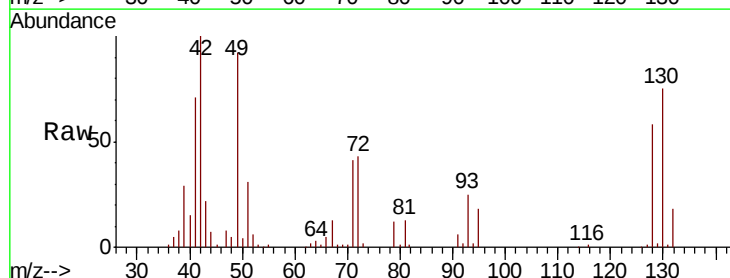
RT: 7.20 min Scan# 1687

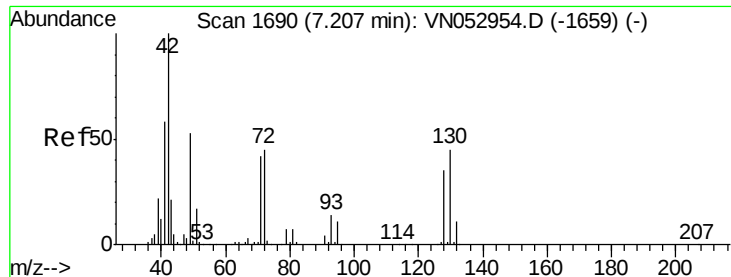
Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Tgt Ion:	49	Resp:	169128
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.0
130	82.0	63.3	94.9





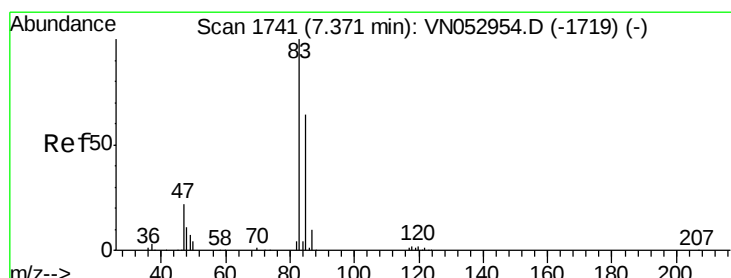
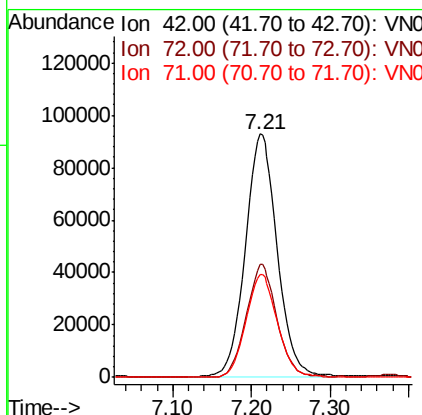
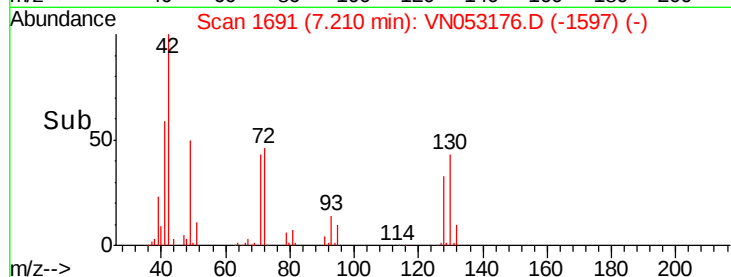
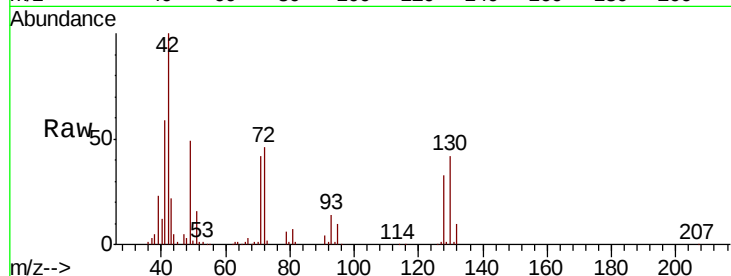
#29
Tetrahydrofuran
Concen: 114.478 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.7	52.1
71	41.7	32.3	48.5

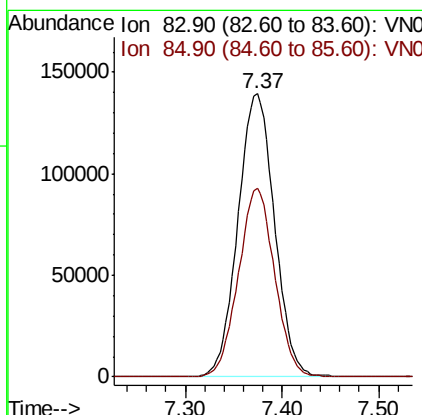
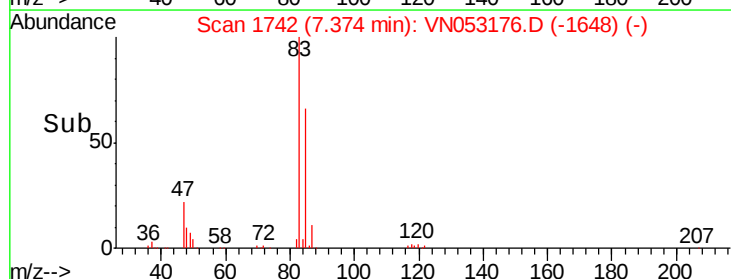
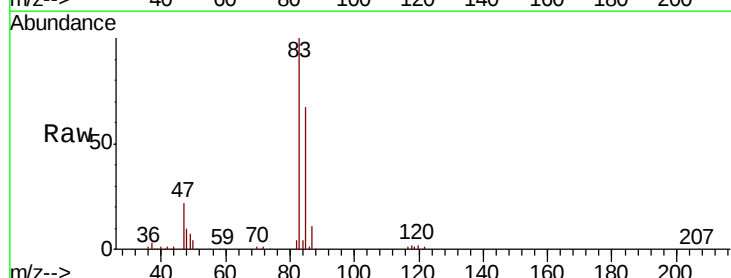
Manual Integrations
APPROVED

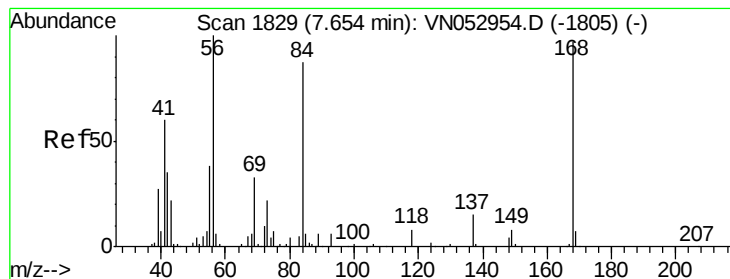
MMDadoda
12/26/2018 10:53:35 AM



#30
Chloroform
Concen: 21.280 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.1	78.1





#31

Cyclohexane

Concen: 20.603 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 56 Resp: 348666

Ion Ratio Lower Upper

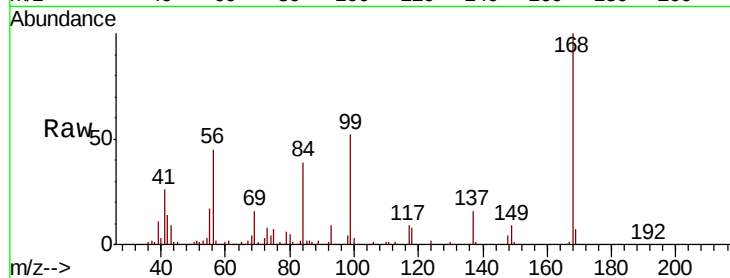
56 100

69 35.7 26.6 39.8

84 84.5 68.4 102.6

Manual Integrations
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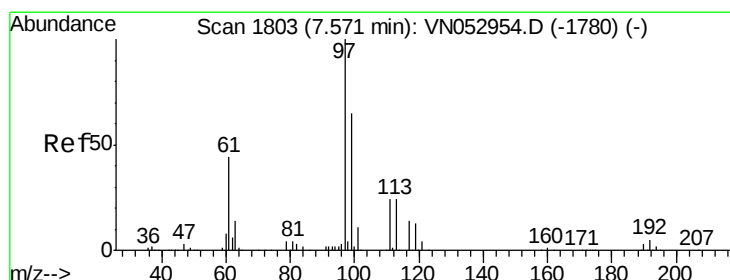
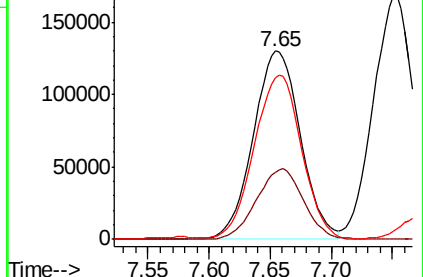
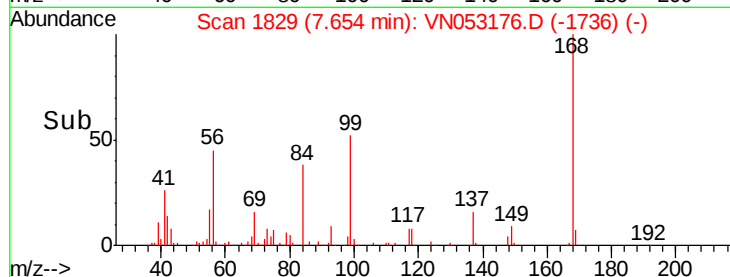
MMDadoda
12/26/2018 10:53:35 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.706 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

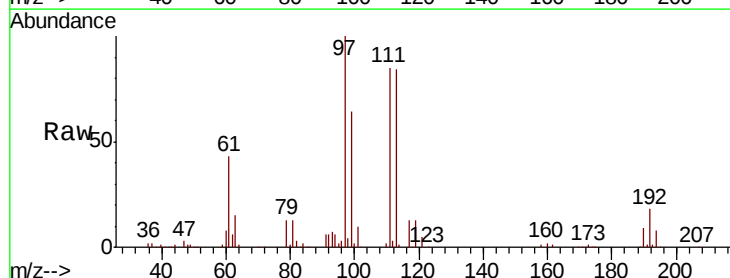
Tgt Ion: 97 Resp: 303554

Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

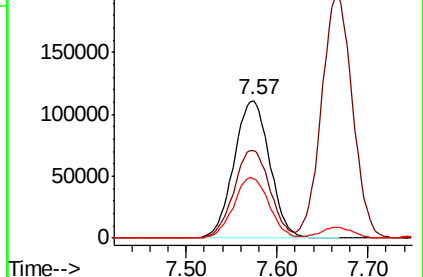
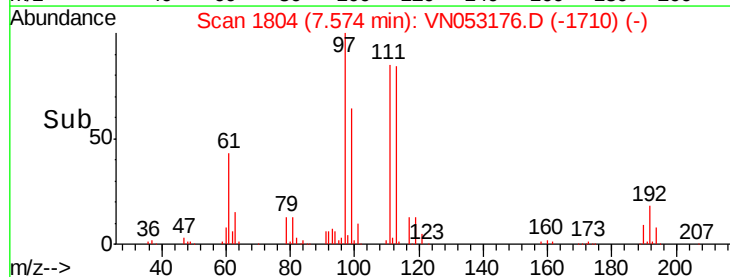
61 43.6 35.0 52.6

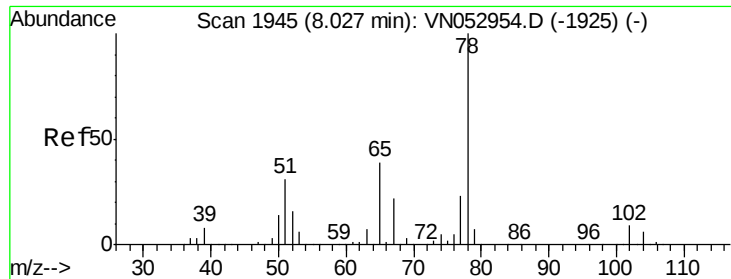


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





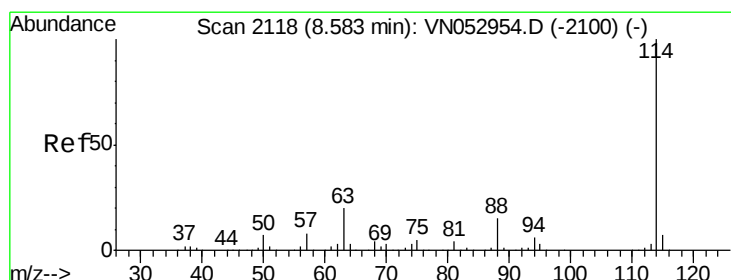
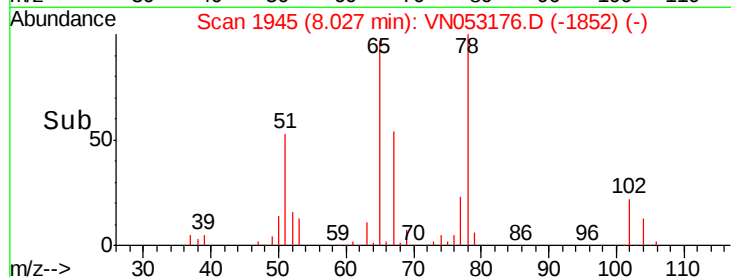
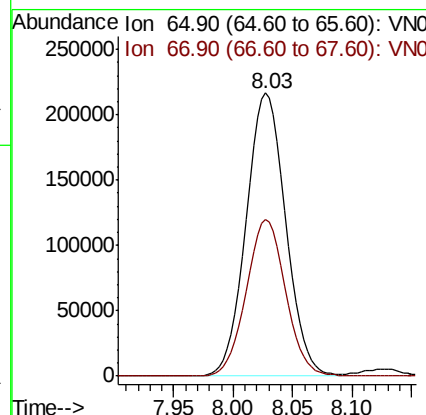
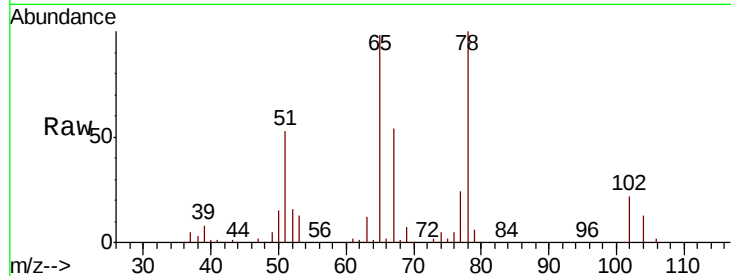
#33
 1,2-Dichloroethane-d4
 Concen: 20.706 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	499482		
67	55.1	0.0	110.4	

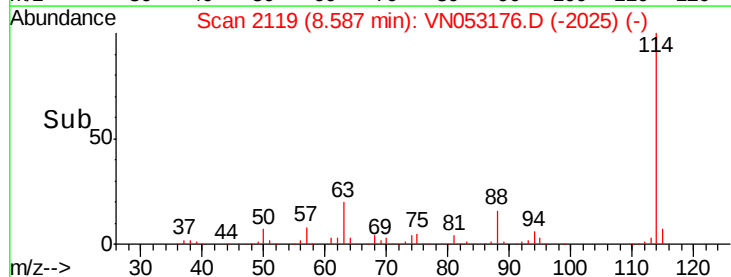
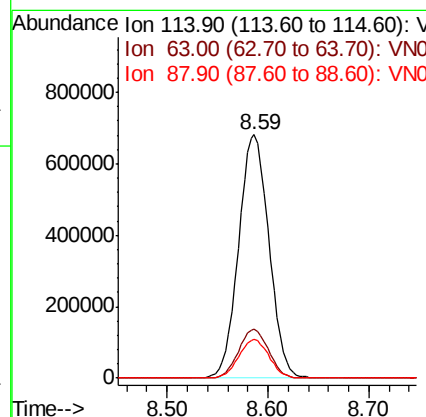
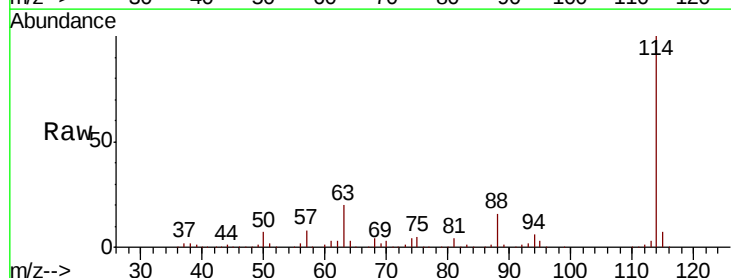
Manual Integrations
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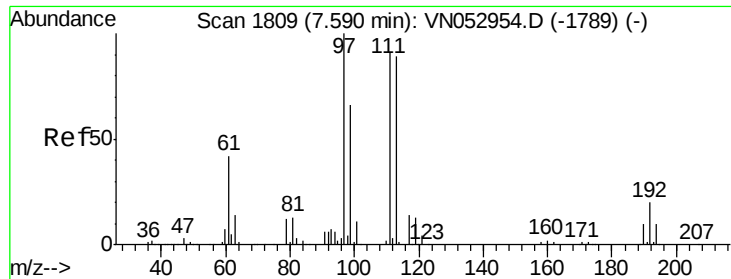
MMDadoda
 12/26/2018 10:53:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1420749		
63	20.1	0.0	39.8	
88	15.9	0.0	31.0	





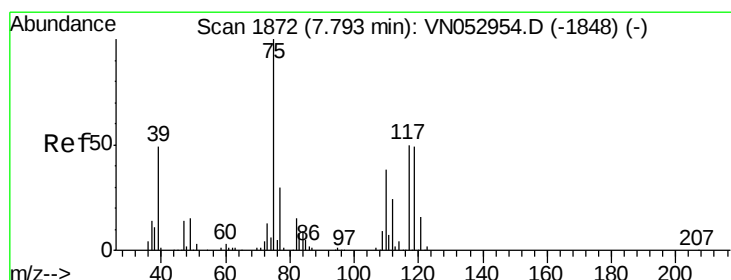
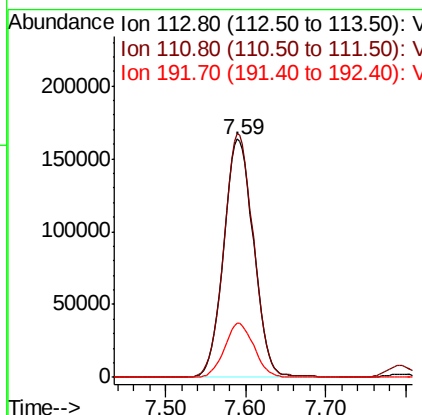
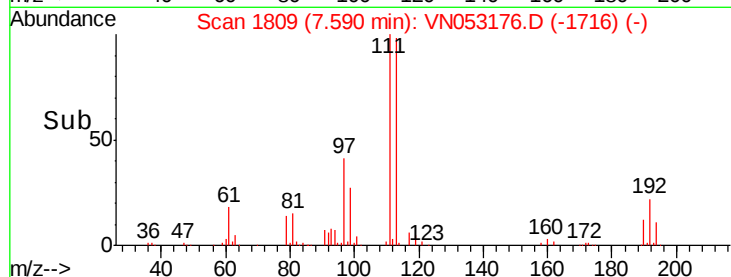
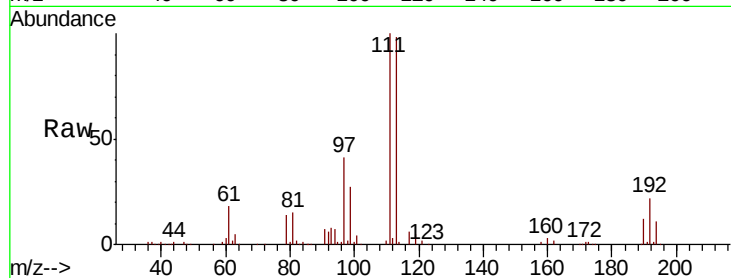
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	418101		
111	101.2	83.0	124.4	
192	22.3	17.5	26.3	

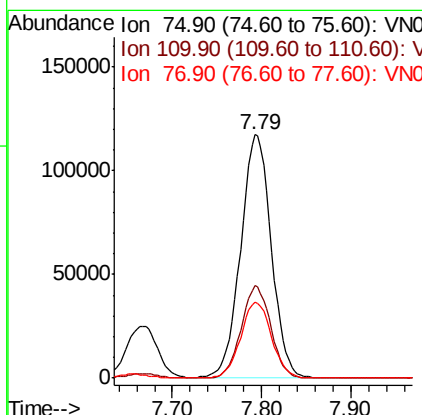
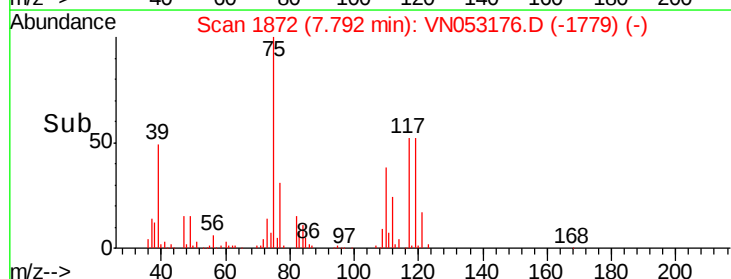
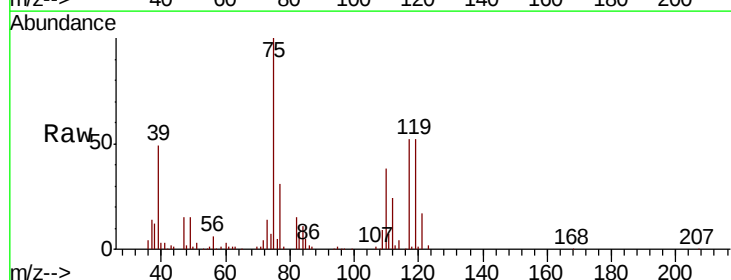
Manual Integrations
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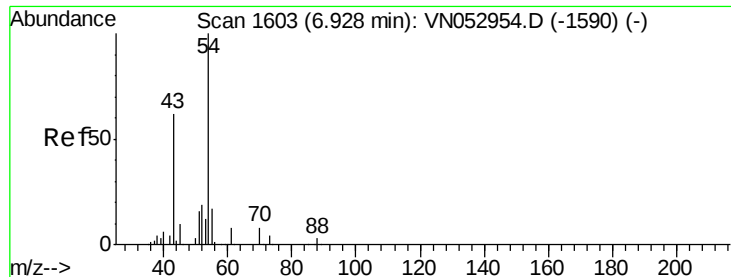
MMDadoda
 12/26/2018 10:53:35 AM



#36
 1,1-Dichloropropene
 Concen: 20.519 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	279809		
110	36.5	18.2	54.6	
77	31.7	24.9	37.3	





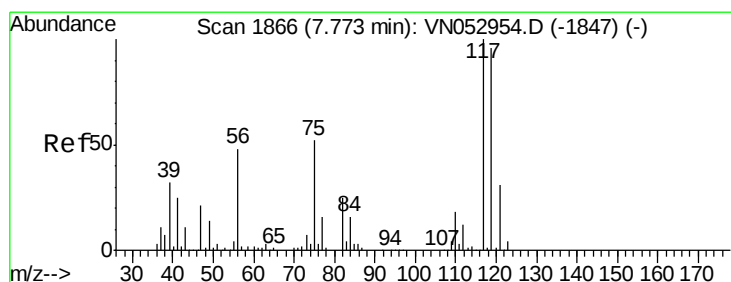
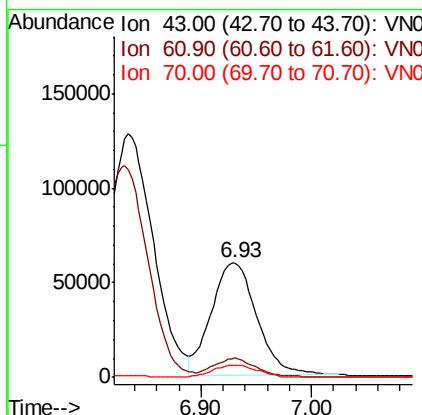
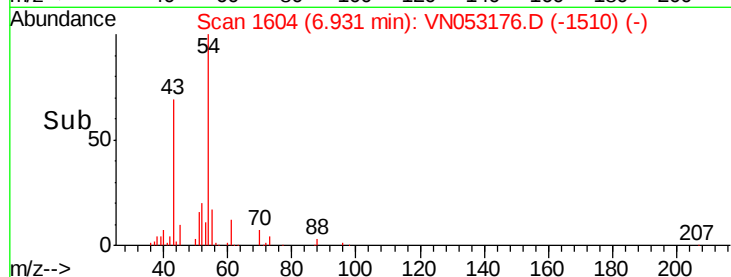
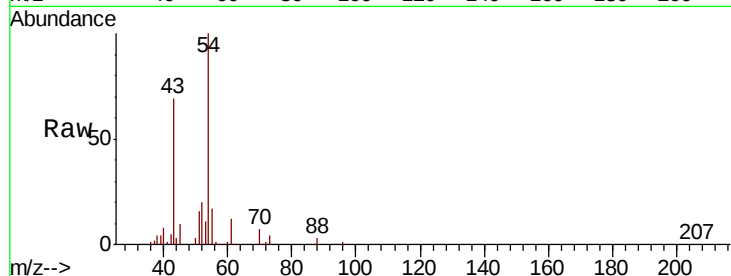
#37
Ethyl Acetate
Concen: 22.610 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	10.8	8.4	12.6

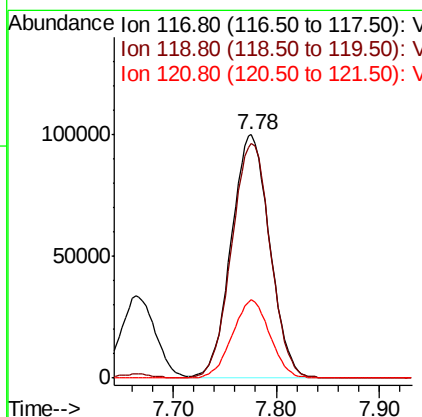
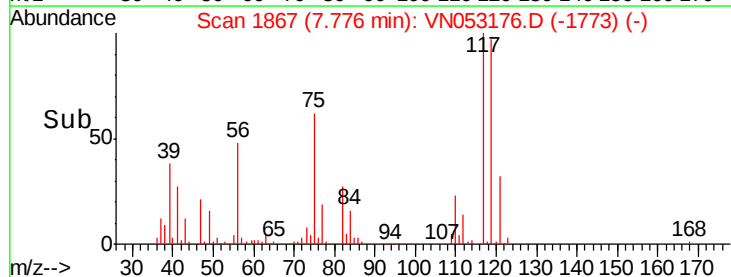
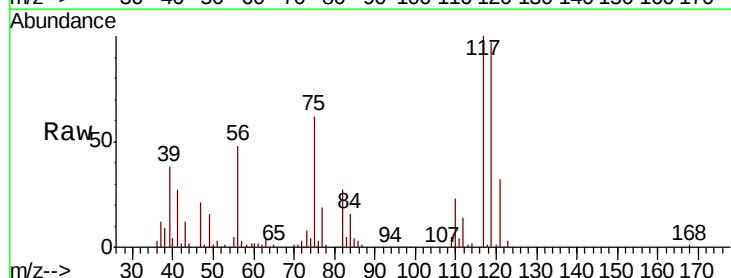
Manual Integrations
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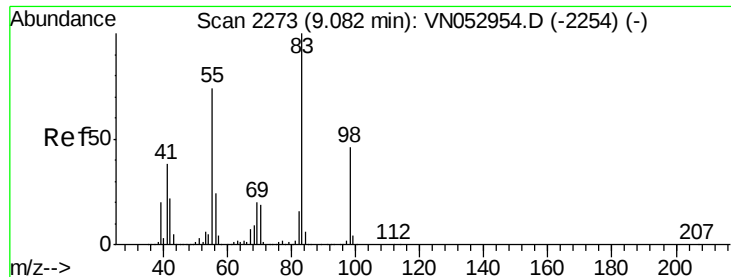
MMDadoda
12/26/2018 10:53:35 AM



#38
Carbon Tetrachloride
Concen: 20.646 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
121	32.3	24.9	37.3





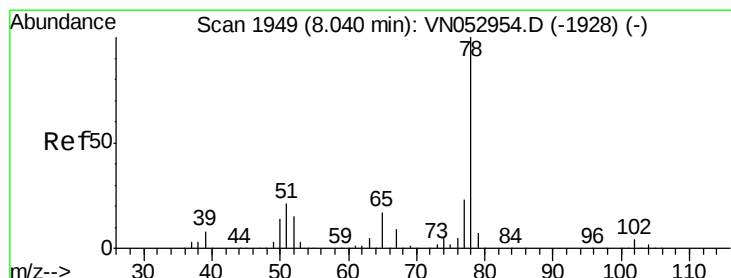
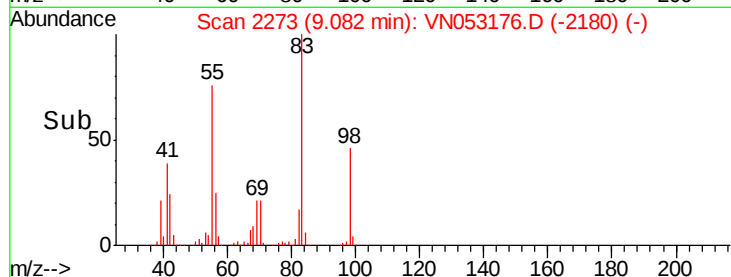
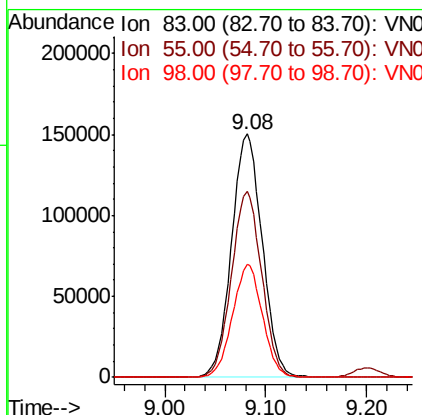
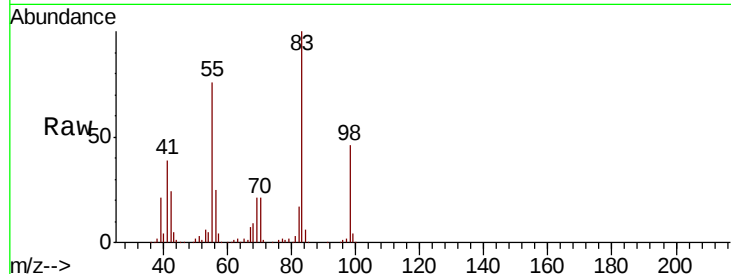
#39
Methvlcvclohexane
Concen: 19.190 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.3	91.9
98	46.2	37.0	55.4

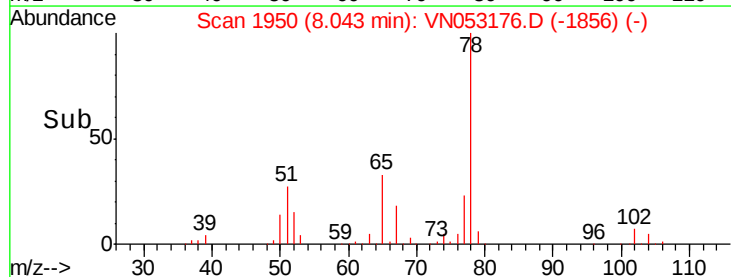
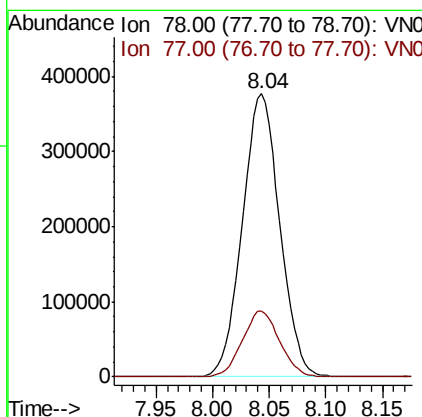
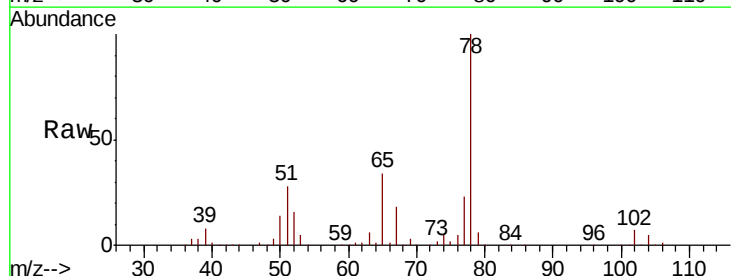
Manual Integrations
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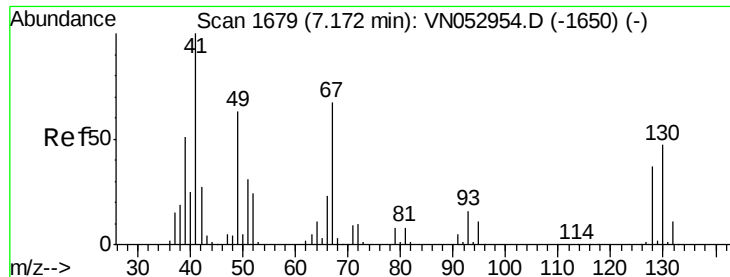
MMDadoda
12/26/2018 10:53:35 AM



#40
Benzene
Concen: 21.367 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





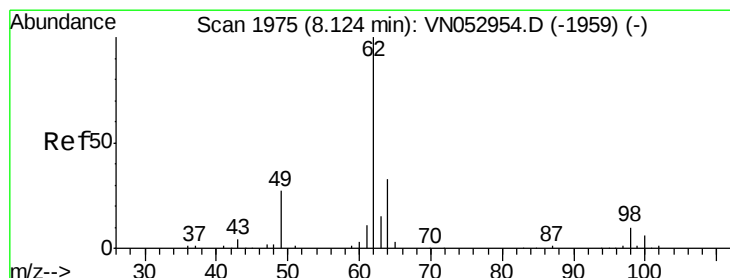
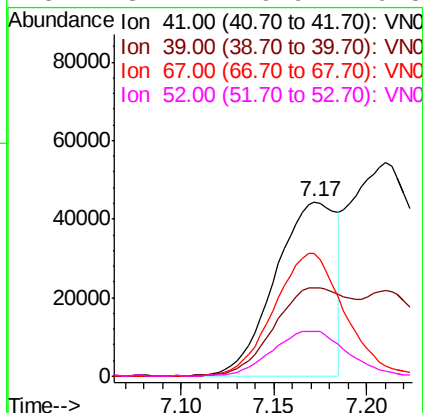
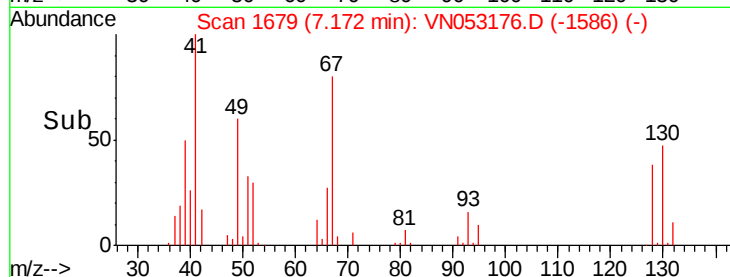
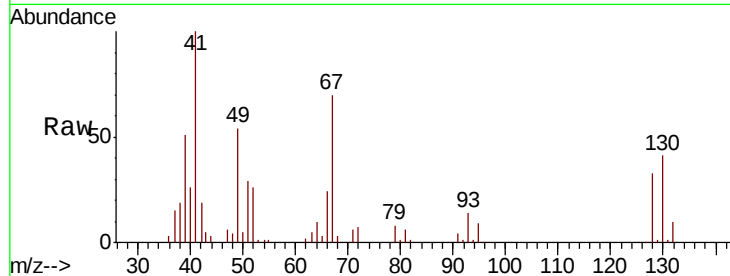
#41
Methacrylonitrile
Concen: 23.208 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		102081		
39	62.6	48.0	72.0		
67	81.5	70.3	105.5		
52	32.2	26.9	40.3		

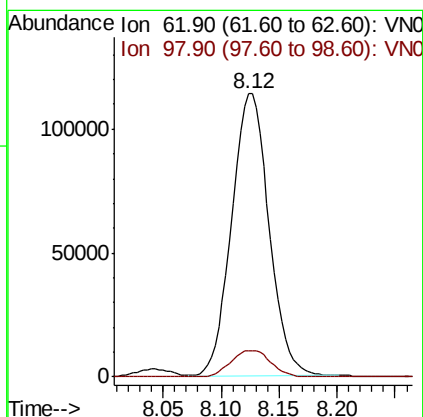
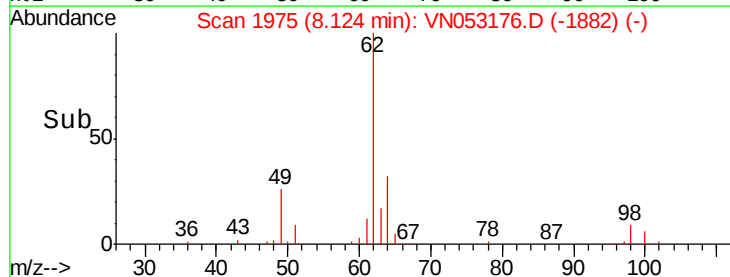
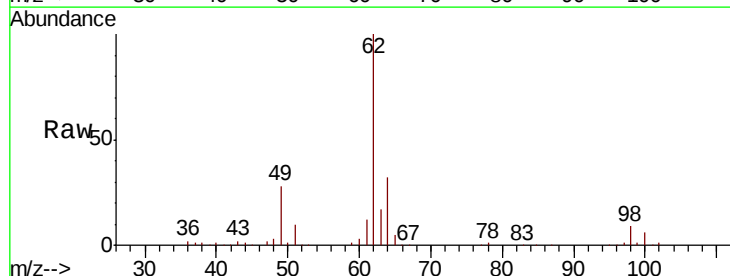
Manual Integrations
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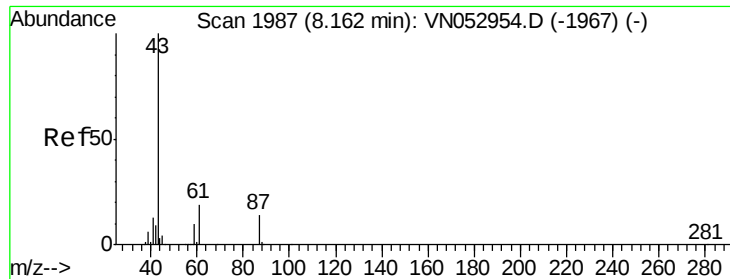
MMDadoda
12/26/2018 10:53:35 AM



#42
1,2-Dichloroethane
Concen: 21.283 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		255026		
98	10.1	0.0	19.0		





#43

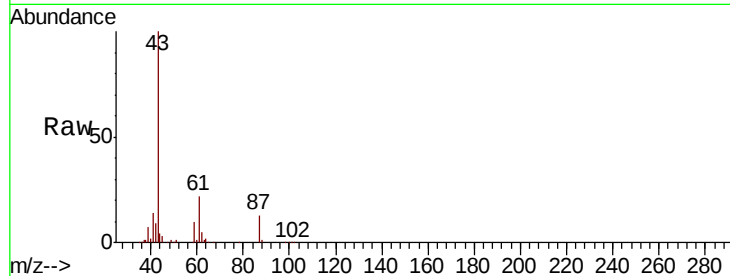
Isopropyl Acetate
 Concen: 21.069 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

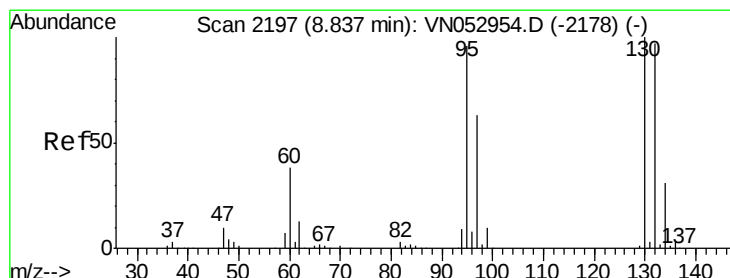
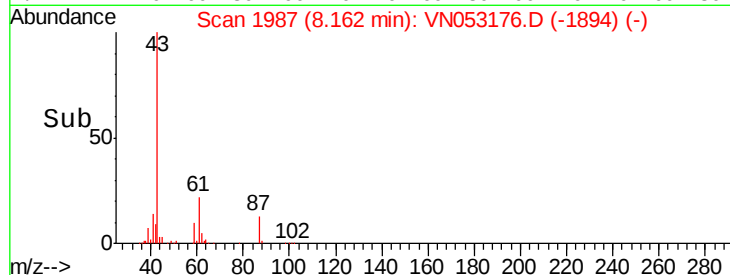
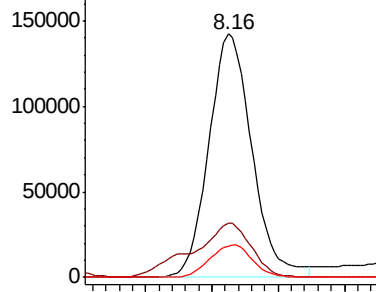
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	22.9	34.3
87	13.4	10.6	15.8

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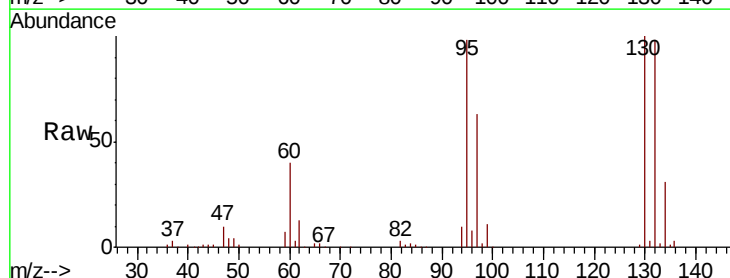
Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)



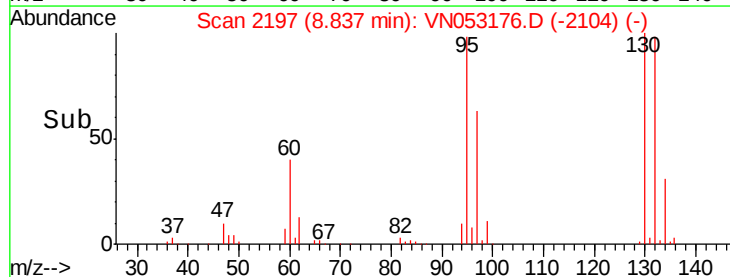
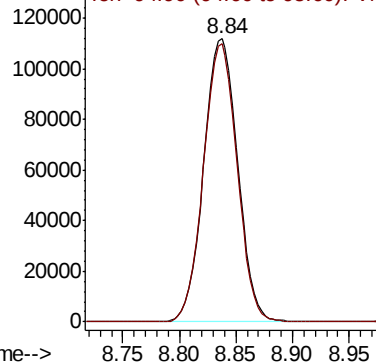
#44

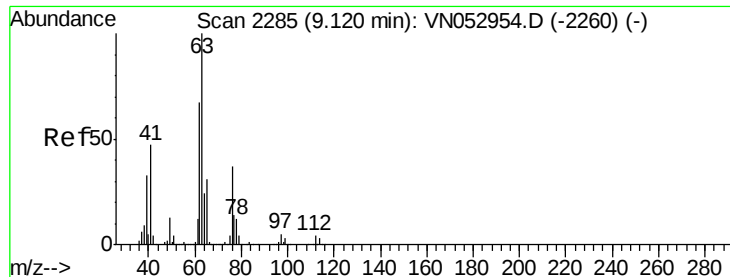
Trichloroethene
 Concen: 19.983 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)





#45

1,2-Dichloropropane

Concen: 21.634 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 63 Resp: 228570

Ion Ratio Lower Upper

63 100

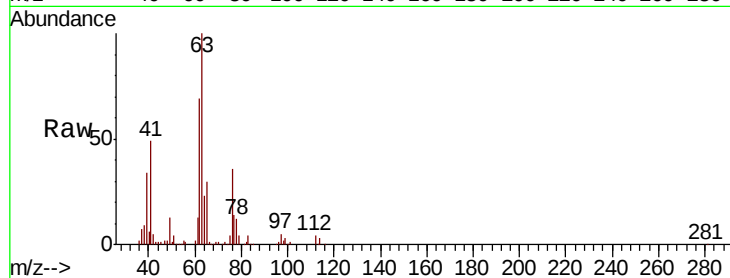
65 30.1 24.6 37.0

Manual Integrations

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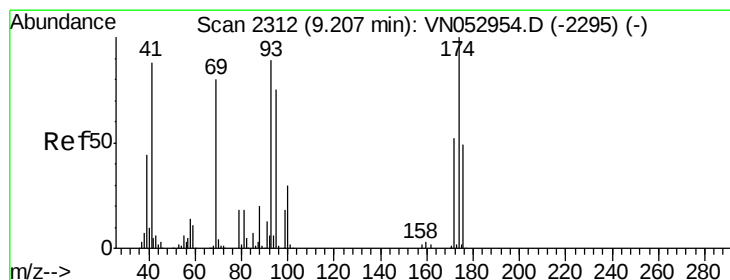
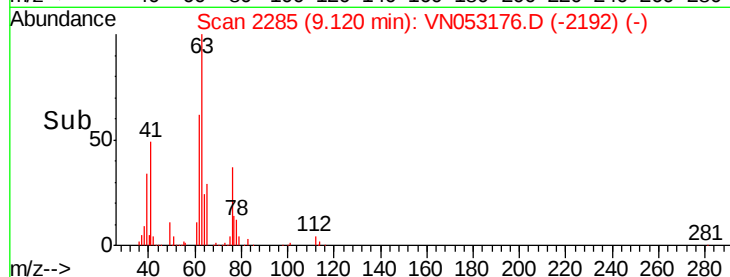
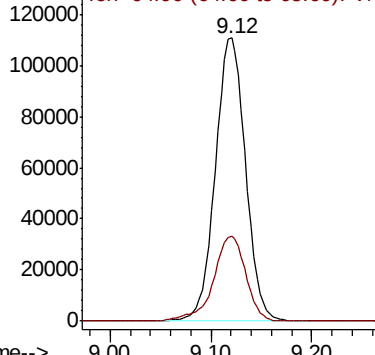
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 21.320 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

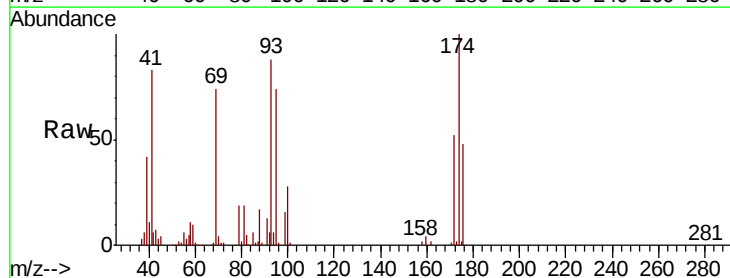
Tgt Ion: 93 Resp: 131221

Ion Ratio Lower Upper

93 100

95 83.4 67.8 101.6

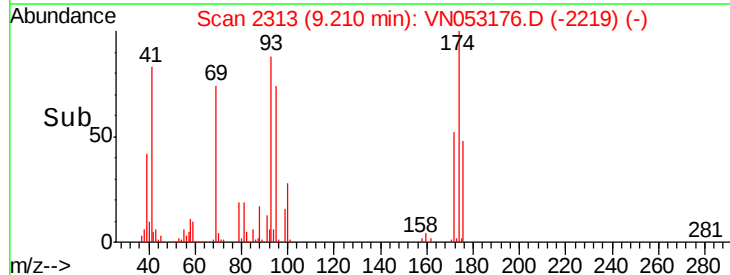
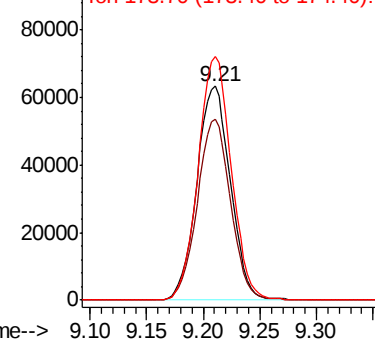
174 112.1 89.0 133.4

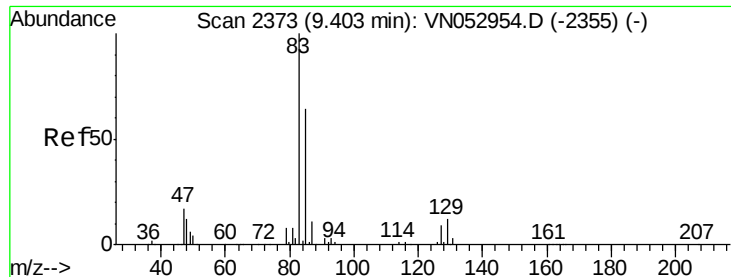


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





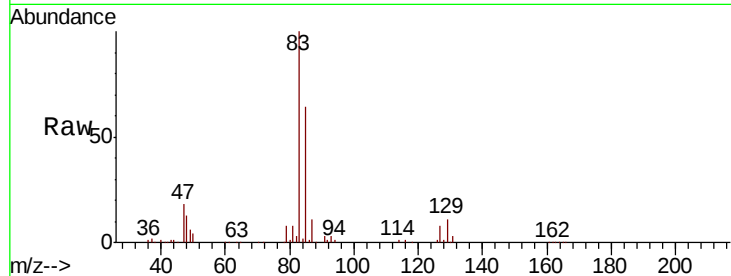
#47
Bromodichloromethane
Concen: 21.201 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

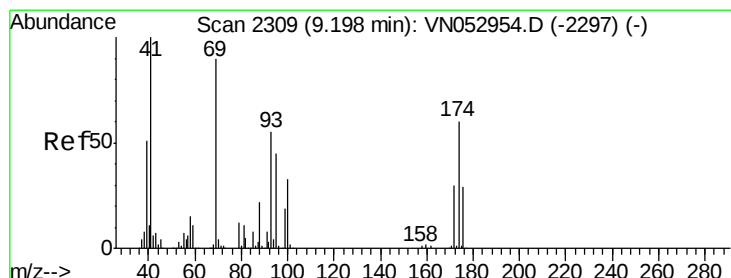
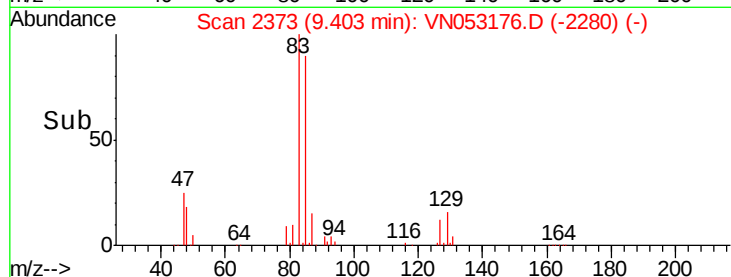
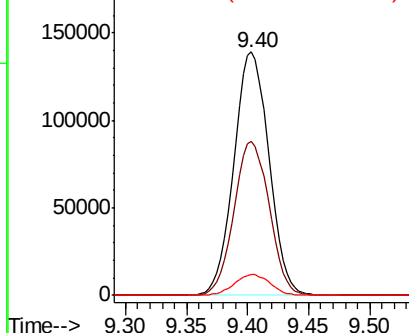
Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4
127	8.4	7.1	10.7

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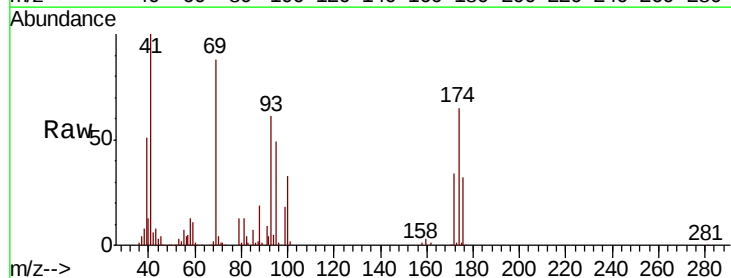


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

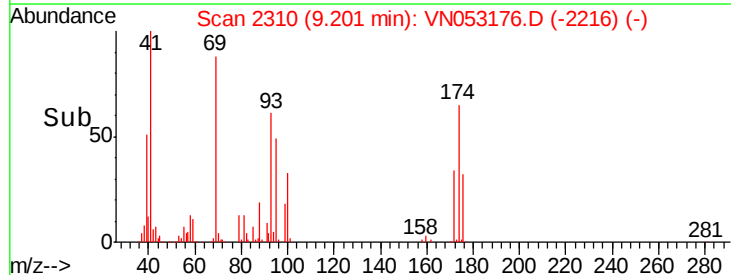
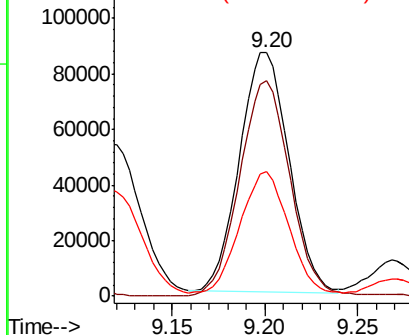


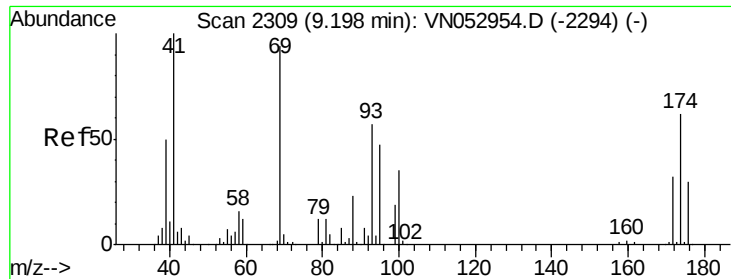
#48
Methyl methacrylate
Concen: 21.707 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.0	72.2	108.2
39	51.8	41.9	62.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





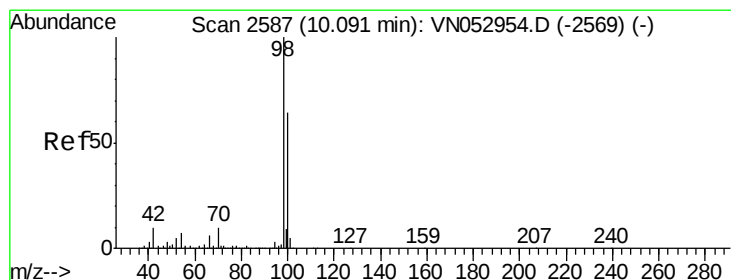
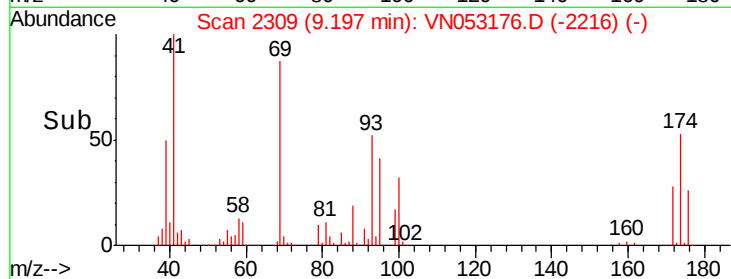
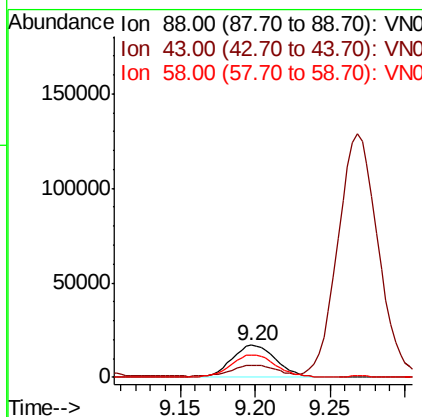
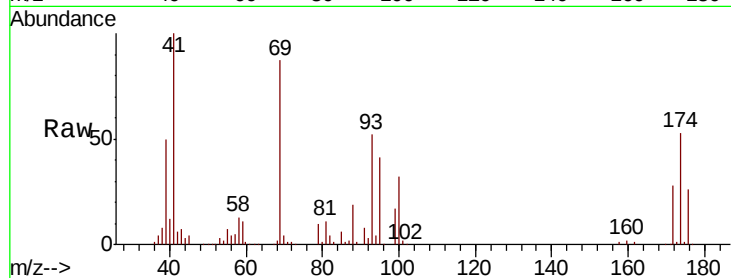
#49
 1,4-Dioxane
 Concen: 379.051 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion	88	Resp	35420
Ion Ratio	Lower	Upper	
88	100		
43	34.7	26.6	40.0
58	70.8	58.4	87.6

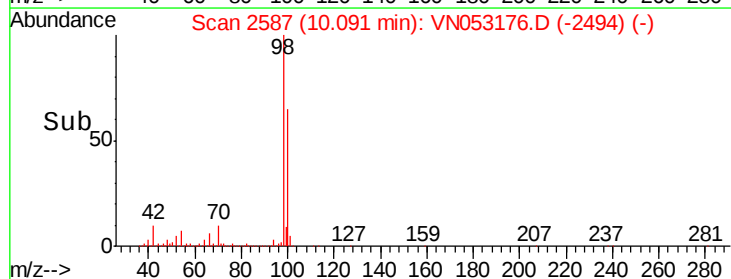
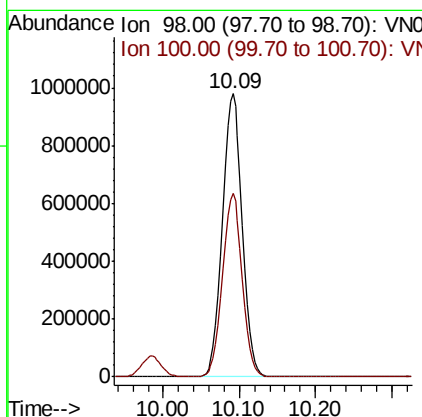
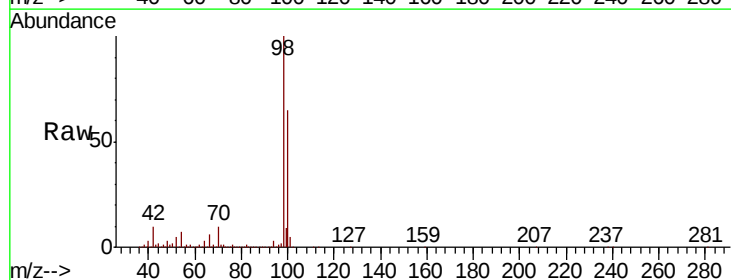
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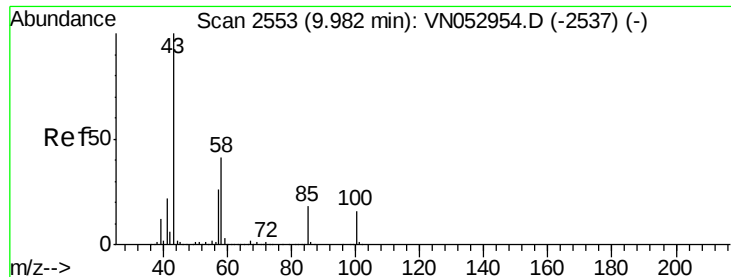
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#50
 Toluene-d8
 Concen: 379.051 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	98	Resp	1774085
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.6	77.4





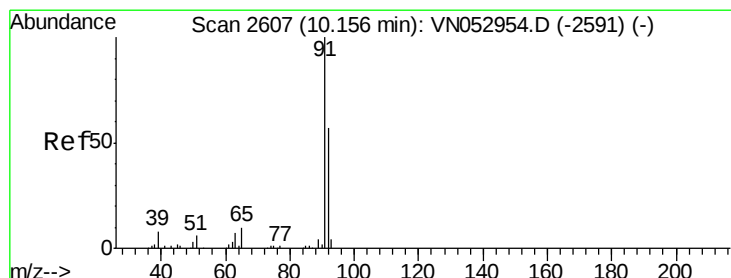
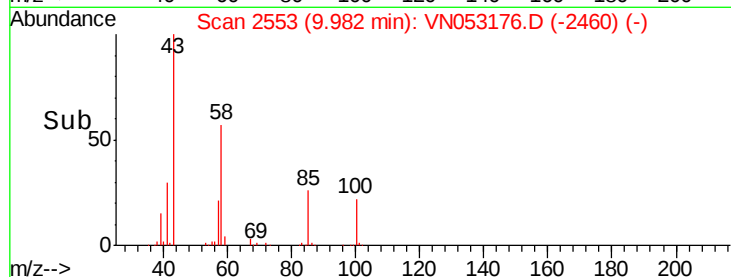
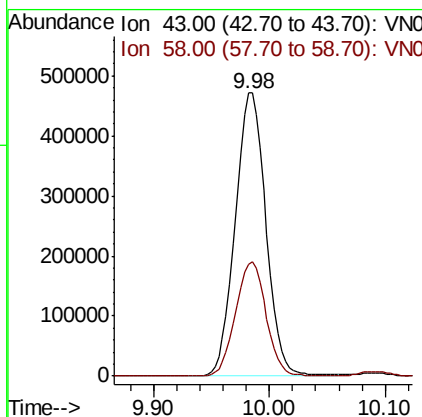
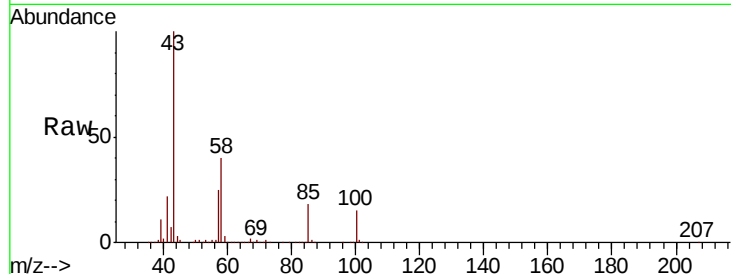
#51
 4-Methyl-2-Pentanone
 Concen: 116.606 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.4	32.2	48.4

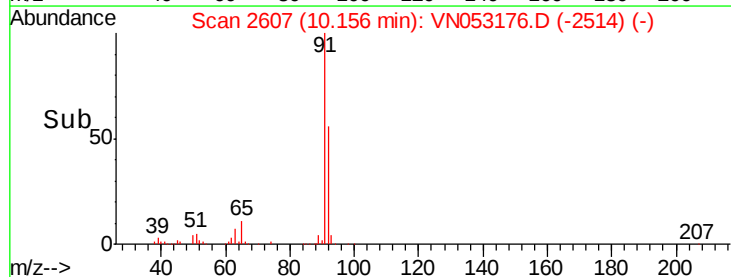
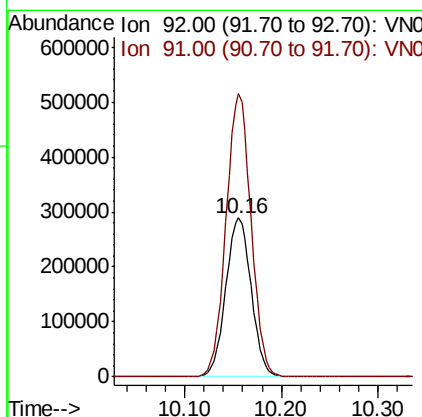
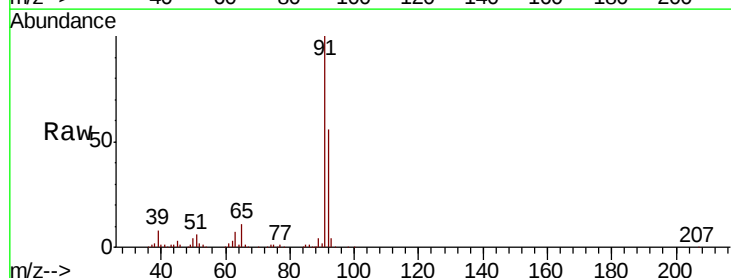
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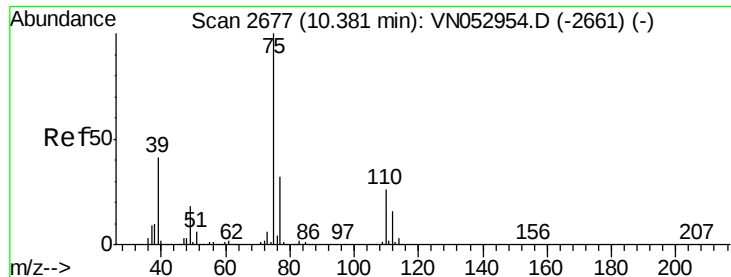
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#52
 Toluene
 Concen: 21.000 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.0	139.8	209.6





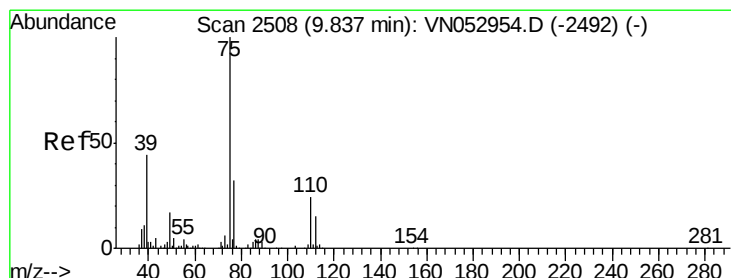
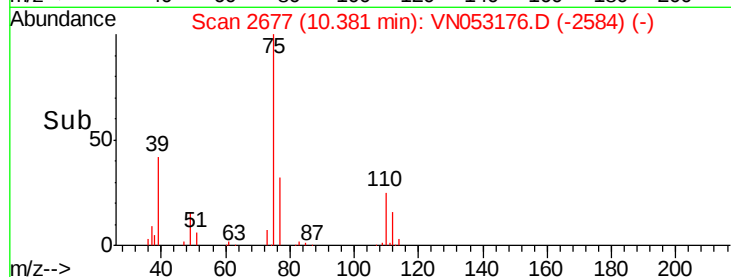
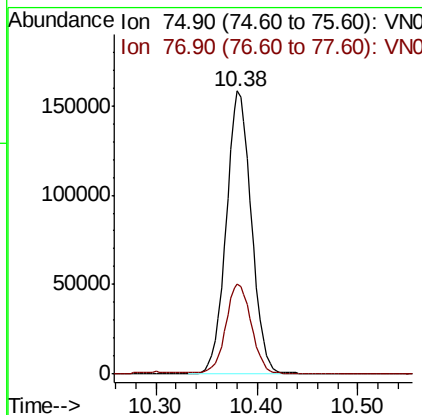
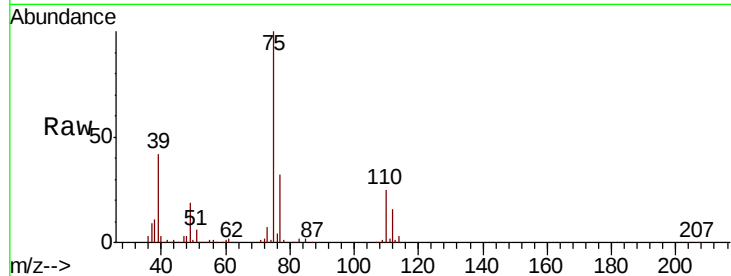
#53
t-1,3-Dichloropropene
Concen: 20.029 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4

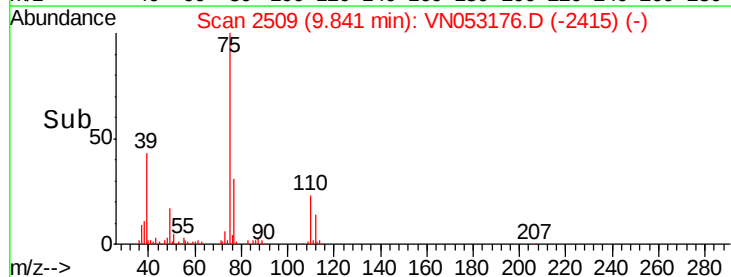
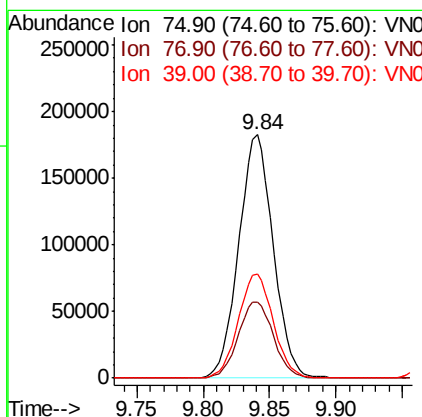
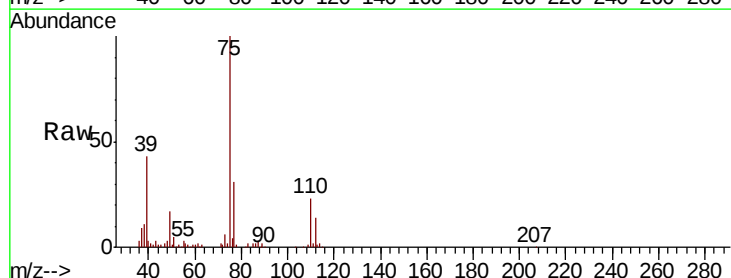
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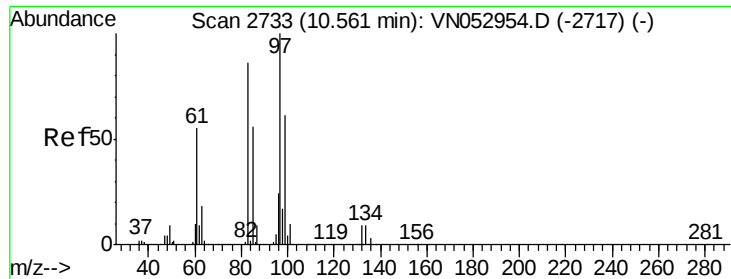
MMDadoda
12/26/2018 10:53:35 AM



#54
cis-1,3-Dichloropropene
Concen: 20.867 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.8
39	42.9	34.8	52.2





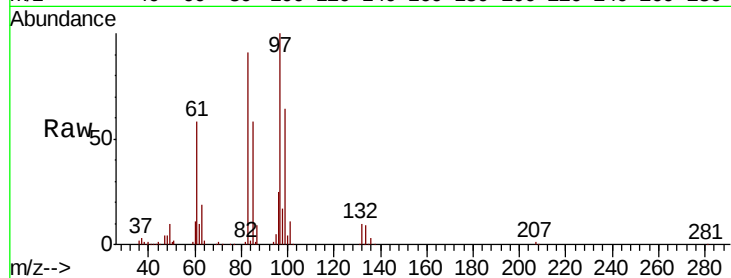
#55
 1,1,2-Trichloroethane
 Concen: 21.667 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion:	97	Resp:	190047
Ion	Ratio	Lower	Upper
97	100		
83	90.8	70.9	106.3
85	57.6	45.4	68.2
99	63.9	50.4	75.6

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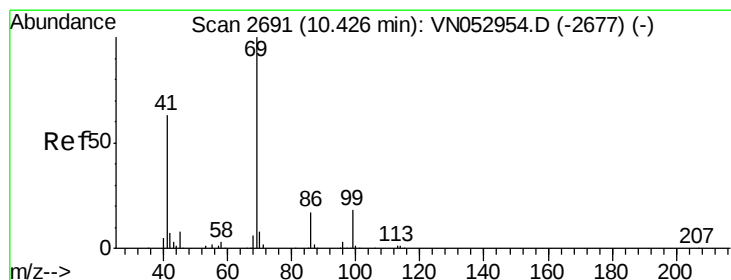
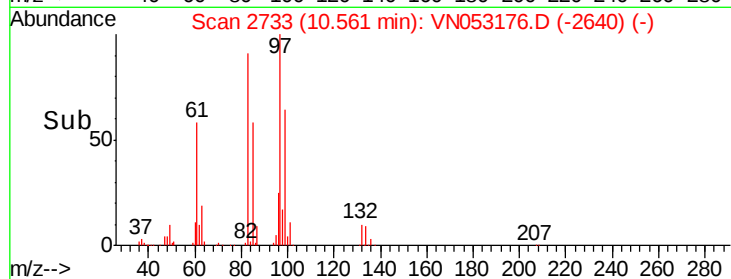
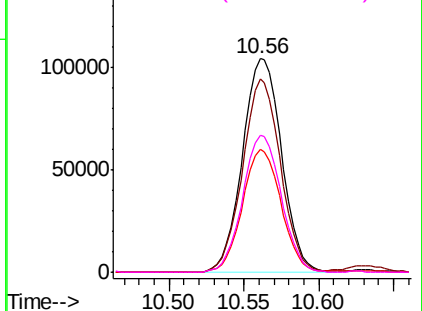
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

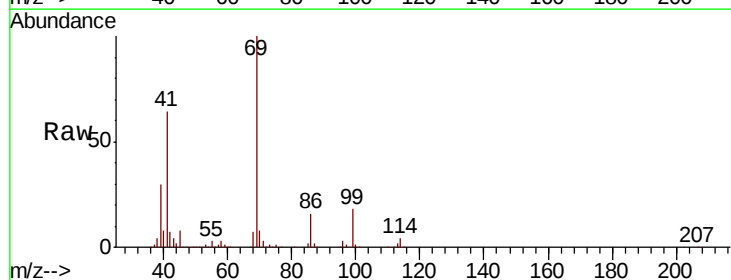
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 21.585 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion:	69	Resp:	250587
Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.7	77.5
39	29.8	24.6	37.0

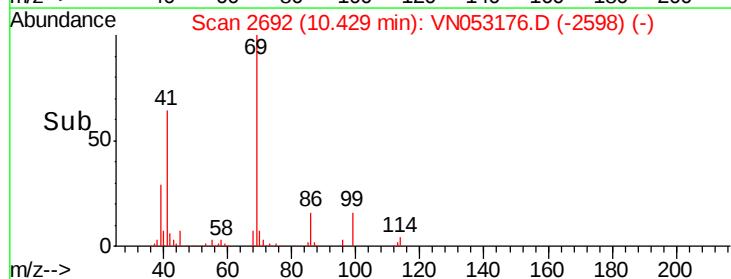
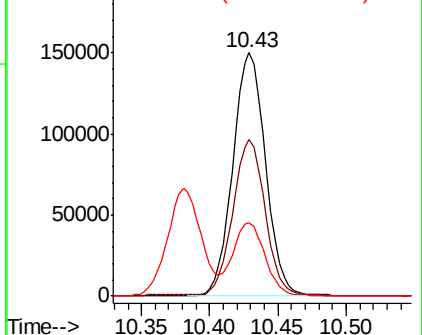


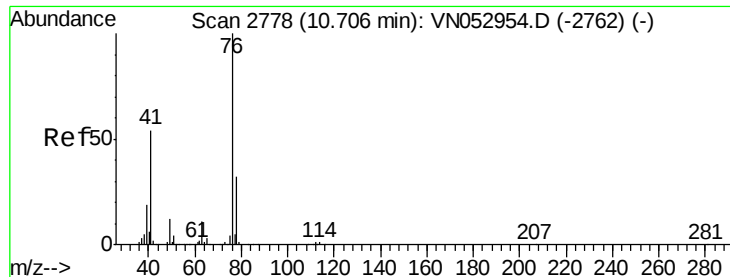
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 21.911 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 76 Resp: 329566

Ion Ratio Lower Upper

76 100

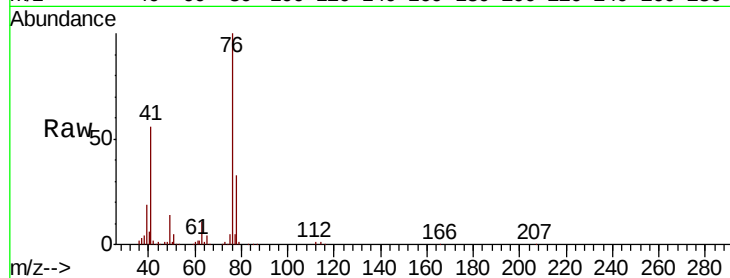
78 32.3 25.8 38.8

Manual Integrations

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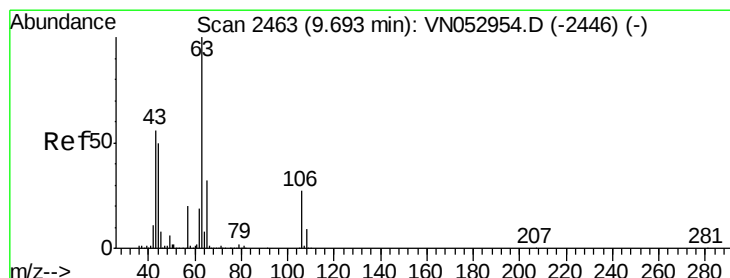
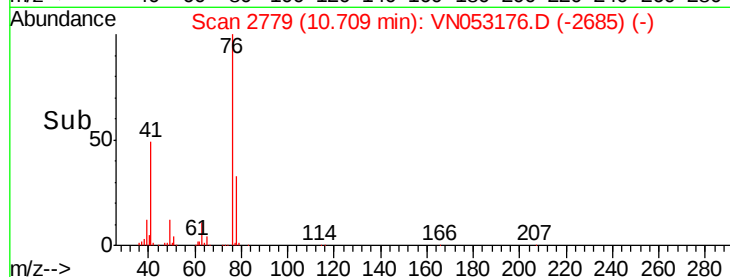
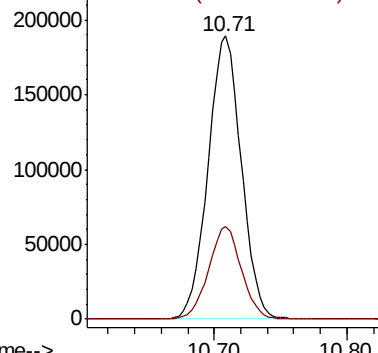
MMDadoda

12/26/2018 10:53:35 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 110.645 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053176.D

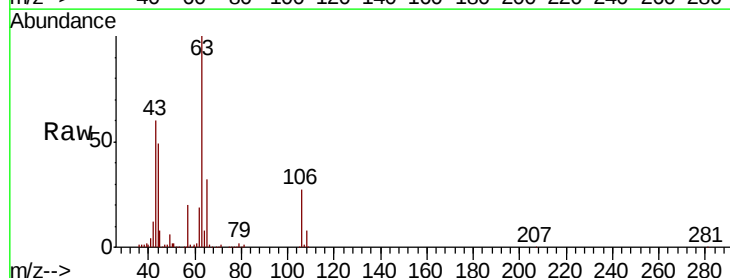
Acq: 24 Dec 2018 11:14

Tgt Ion: 63 Resp: 705199

Ion Ratio Lower Upper

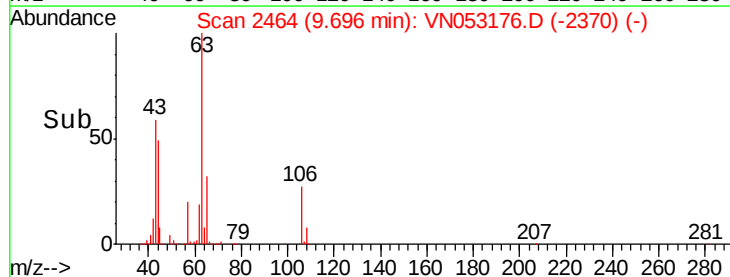
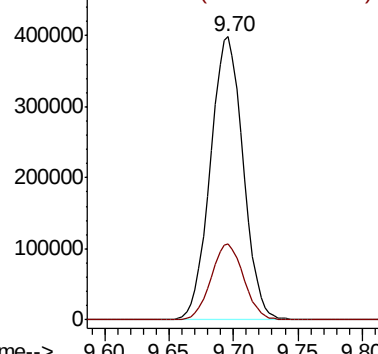
63 100

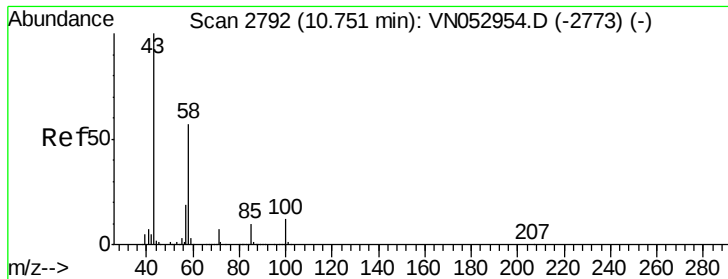
106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





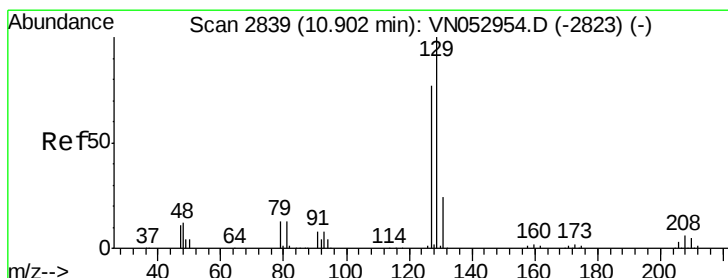
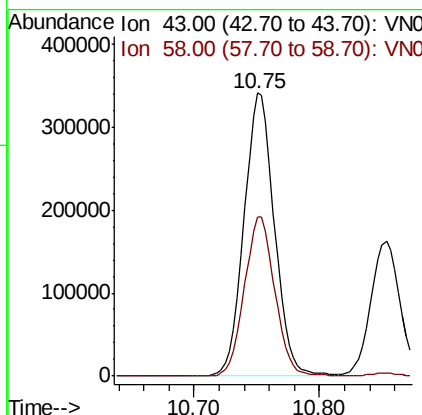
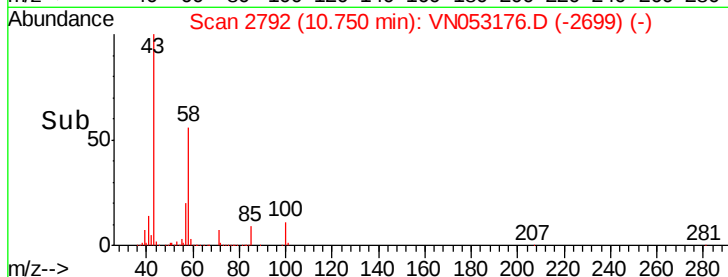
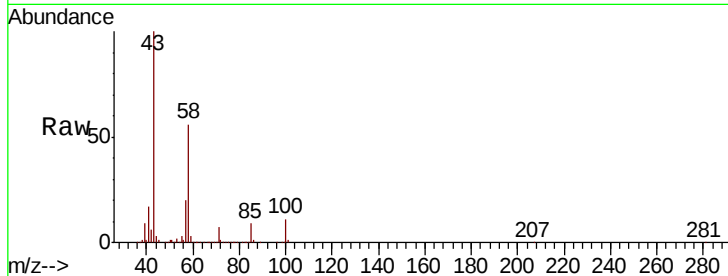
#59
2-Hexanone
Concen: 115.201 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion: 43 Resp: 574616
Ion Ratio Lower Upper
43 100
58 56.5 28.1 84.3

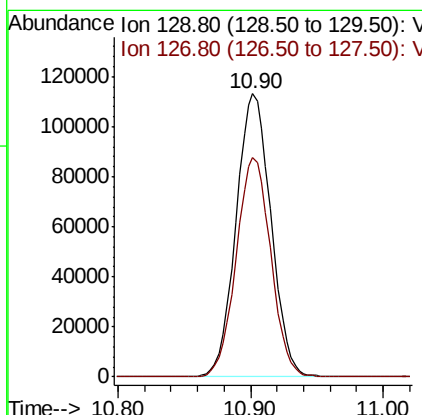
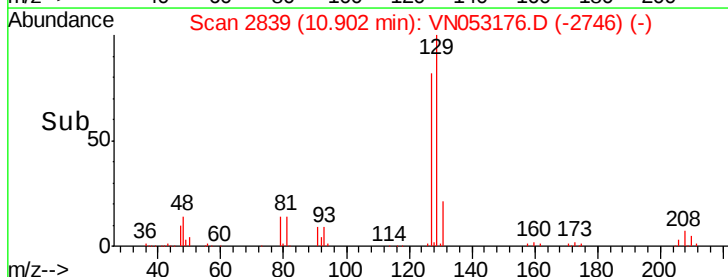
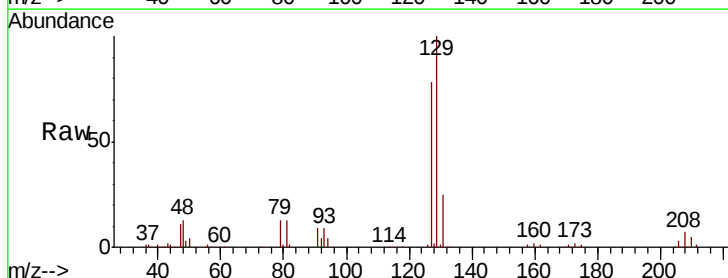
Manual Integrations
APPROVED

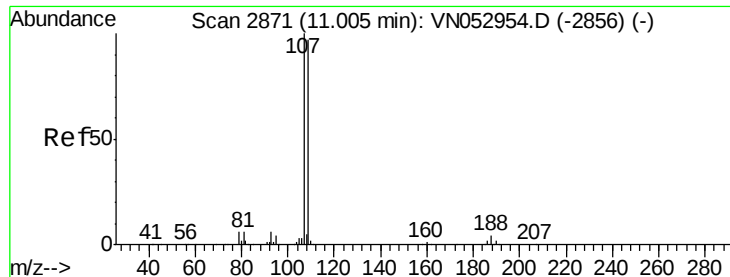
MMDadoda
12/26/2018 10:53:35 AM



#60
Dibromochloromethane
Concen: 20.595 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion: 129 Resp: 206777
Ion Ratio Lower Upper
129 100
127 76.7 38.6 116.0





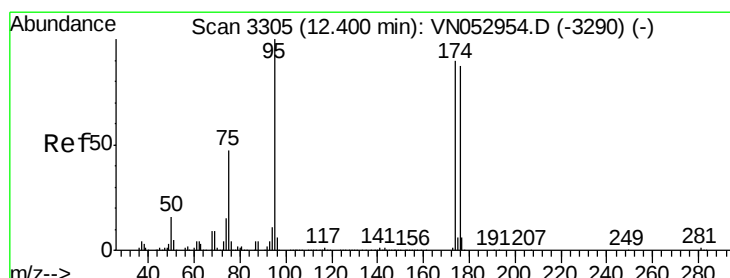
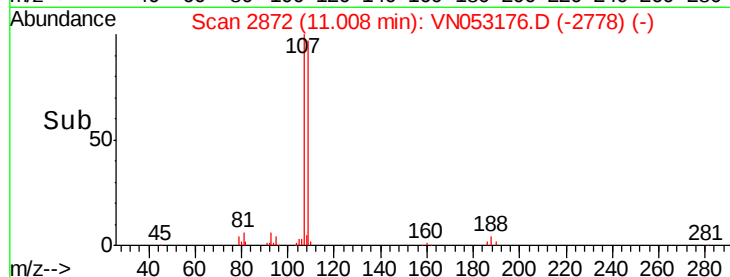
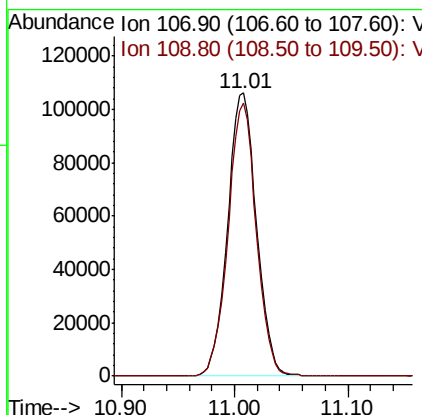
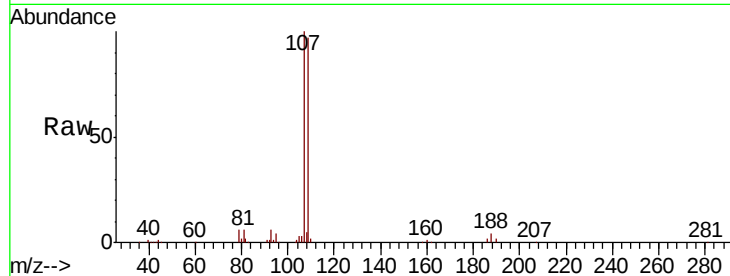
#61
 1,2-Dibromoethane
 Concen: 21.184 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion: 107 Resp: 188706
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.4 113.0

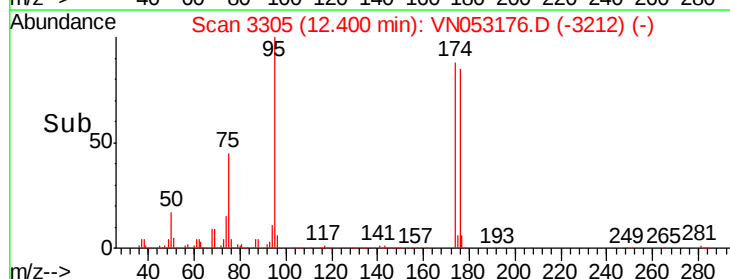
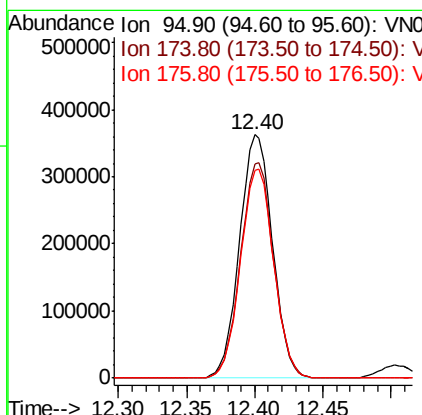
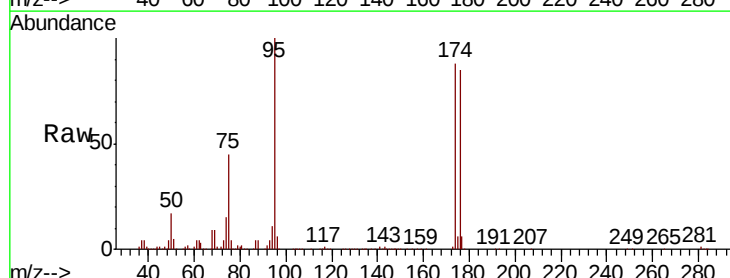
Manual Integrations
 APPROVED

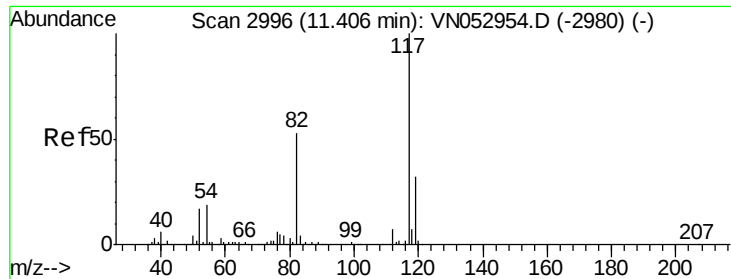
MMDadoda
 12/26/2018 10:53:35 AM



#62
 4-Bromofluorobenzene
 Concen: 21.184 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion: 95 Resp: 609107
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 178.8
 176 86.5 0.0 173.8





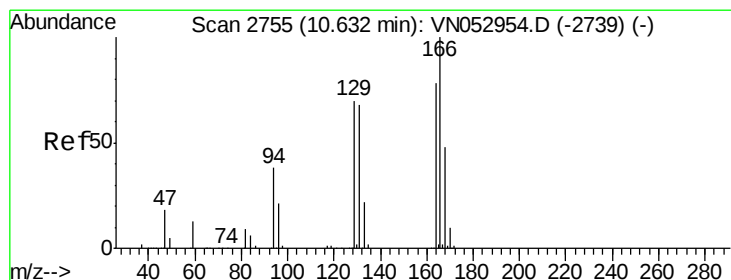
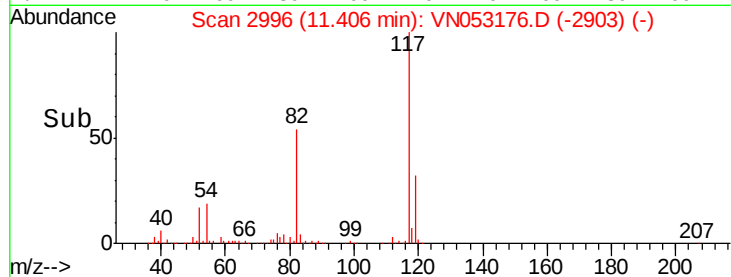
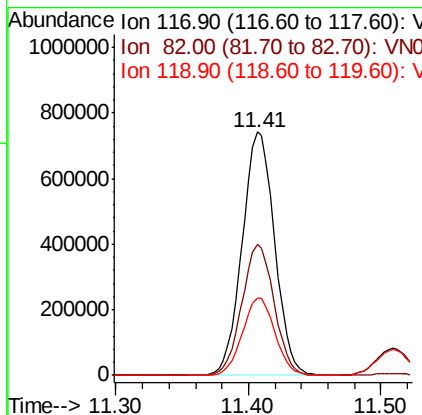
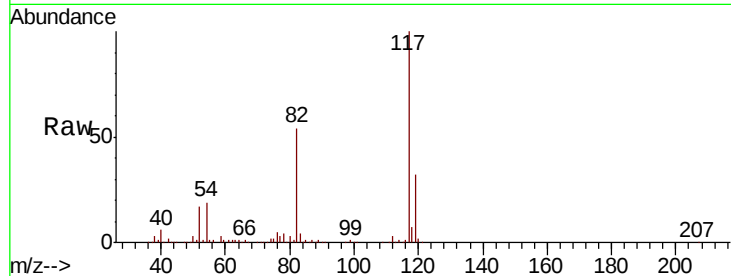
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.8	64.2
119	32.0	25.5	38.3

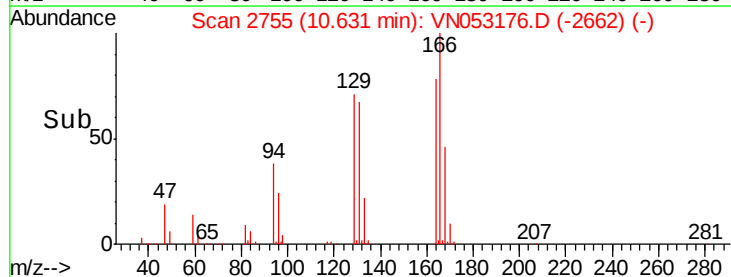
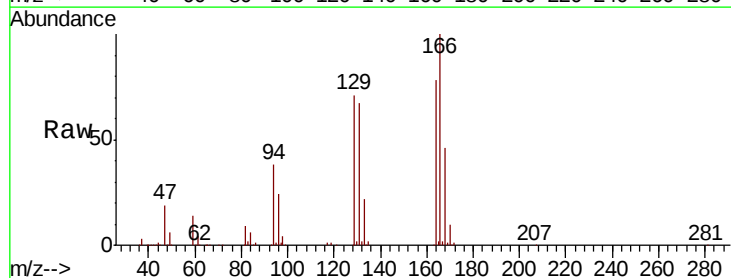
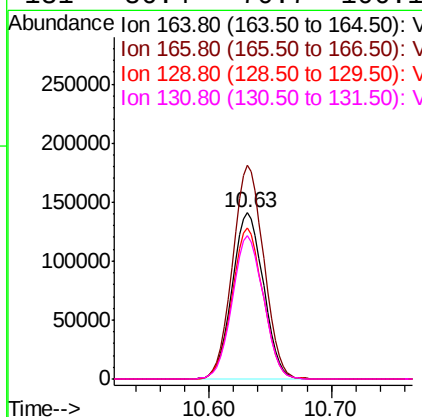
Manual Integrations
APPROVED

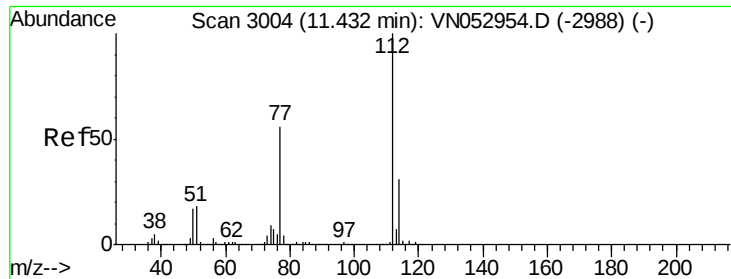
MMDadoda
12/26/2018 10:53:35 AM



#64
Tetrachloroethene
Concen: 18.411 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.9	154.3
129	90.9	73.7	110.5
131	86.4	70.7	106.1





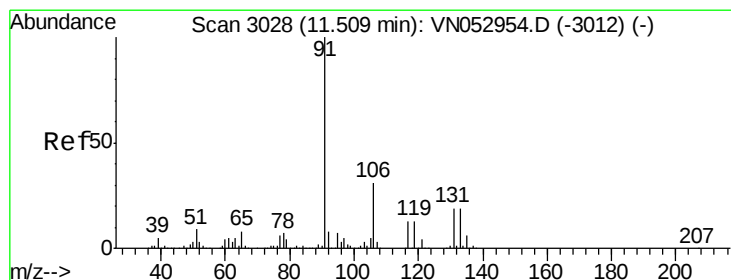
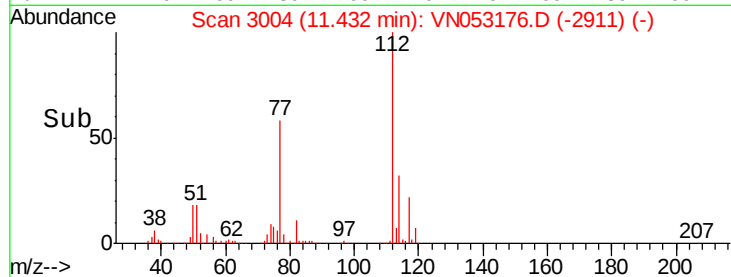
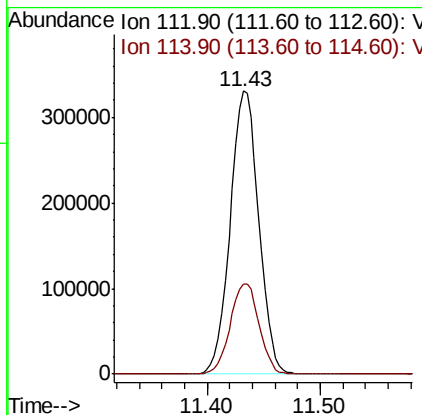
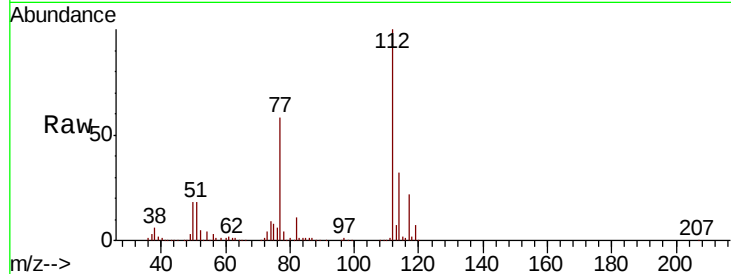
#65
Chlorobenzene
Concen: 20.760 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	580231		
114	32.0	25.5	38.3	

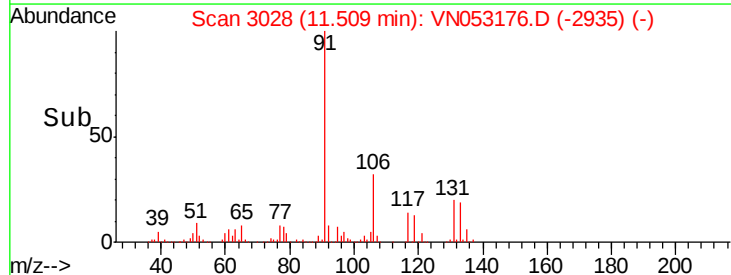
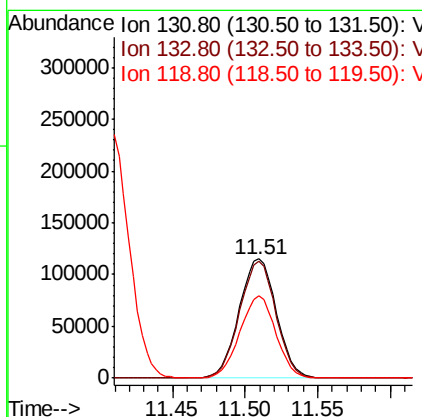
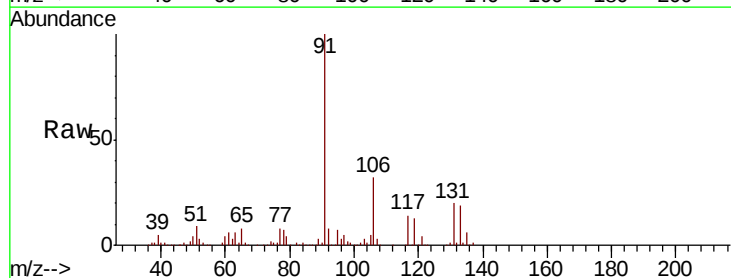
Manual Integrations
APPROVED

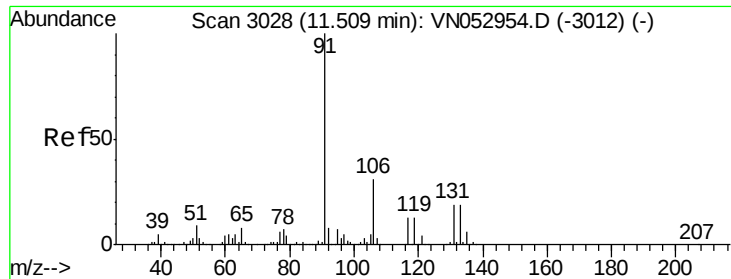
MMDadoda
12/26/2018 10:53:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.156 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	205625		
133	95.7	47.6	142.9	
119	66.4	33.3	99.8	





#67

Ethyl Benzene

Concen: 20.765 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 91 Resp: 998089

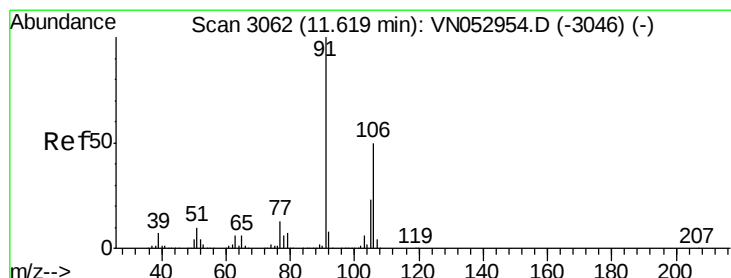
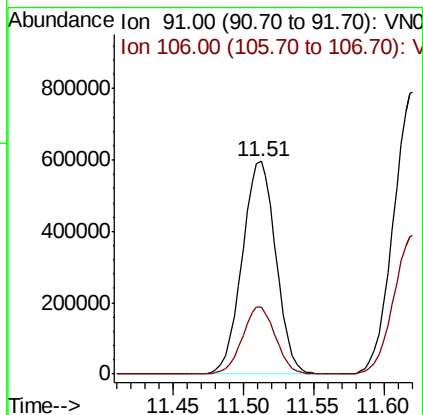
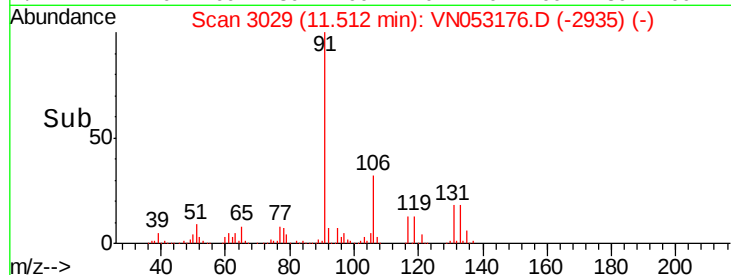
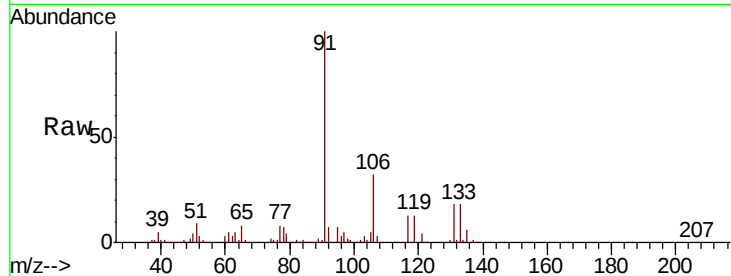
Ion Ratio Lower Upper

91 100

106 31.6 24.9 37.3

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:53:35 AM



#68

m/p-Xylenes

Concen: 41.251 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053176.D

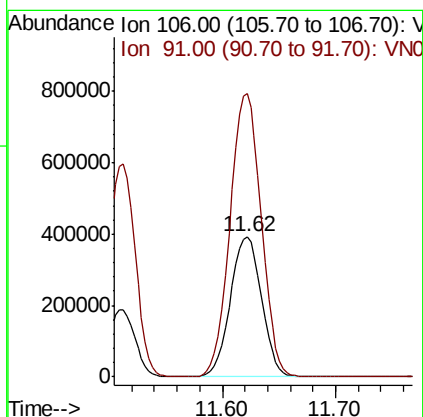
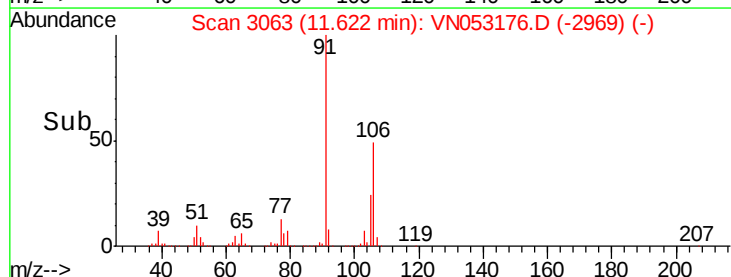
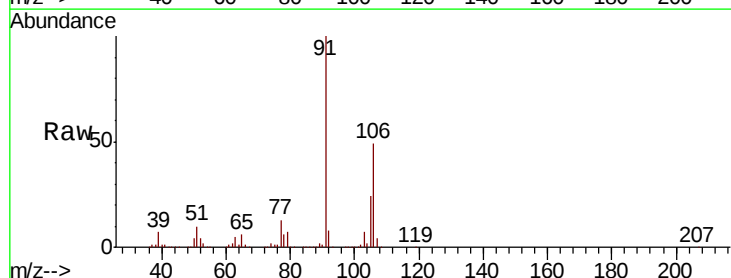
Acq: 24 Dec 2018 11:14

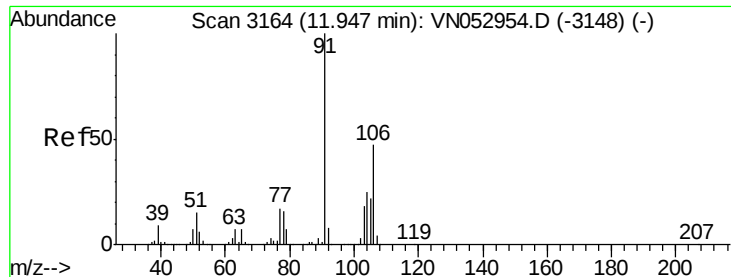
Tgt Ion: 106 Resp: 753751

Ion Ratio Lower Upper

106 100

91 201.6 162.2 243.4





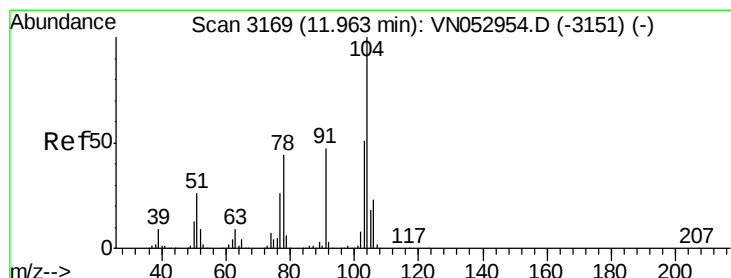
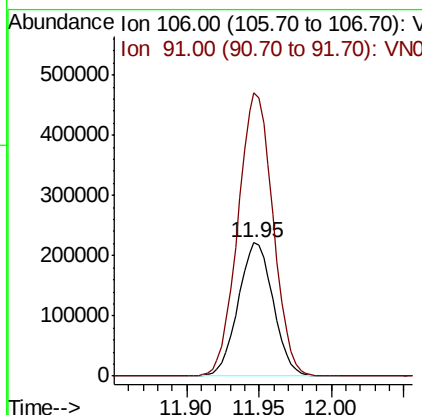
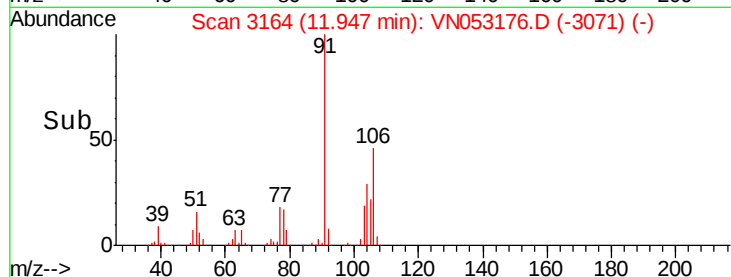
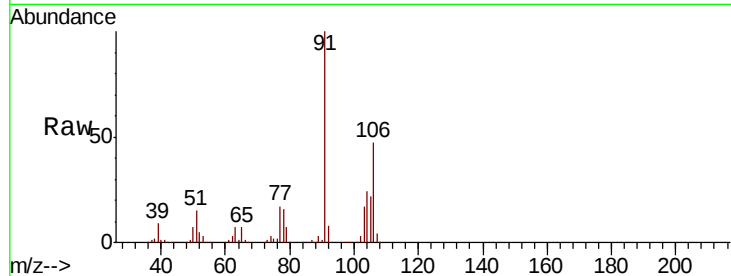
#69
o-Xylene
Concen: 21.189 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion:106 Resp: 371522
Ion Ratio Lower Upper
106 100
91 212.7 106.6 319.8

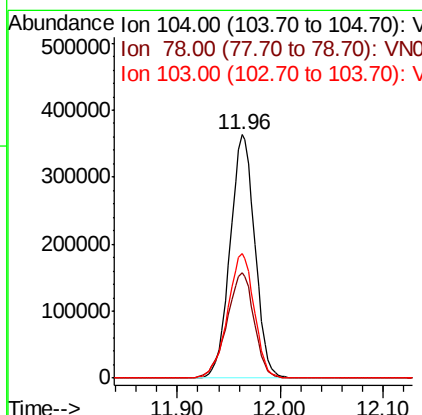
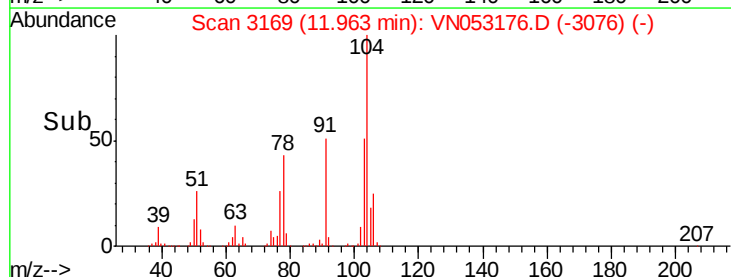
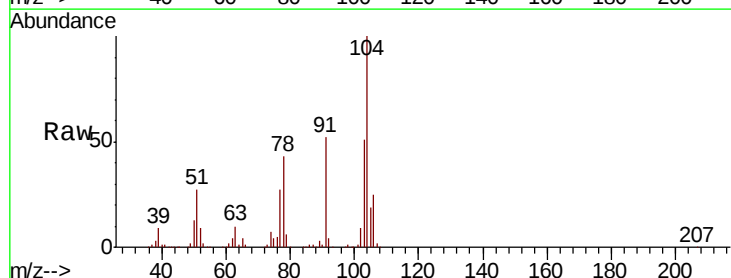
Manual Integrations
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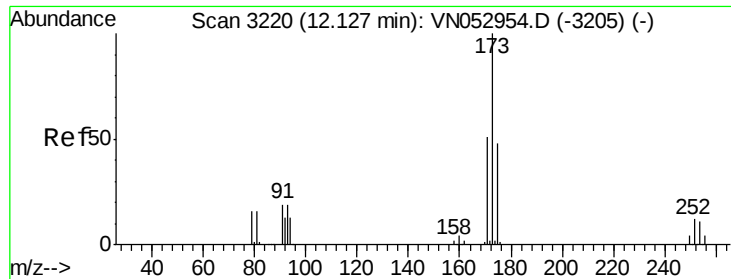
MMDadoda
12/26/2018 10:53:35 AM



#70
Styrene
Concen: 21.259 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion:104 Resp: 607804
Ion Ratio Lower Upper
104 100
78 47.5 38.9 58.3
103 55.0 44.3 66.5





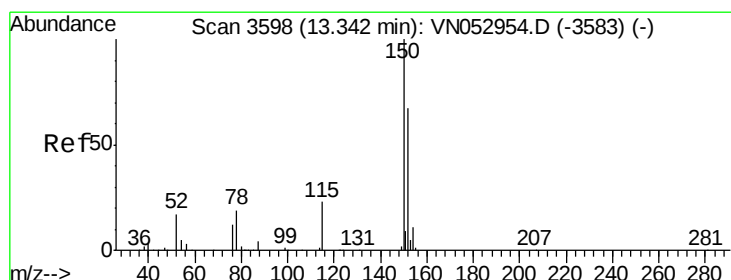
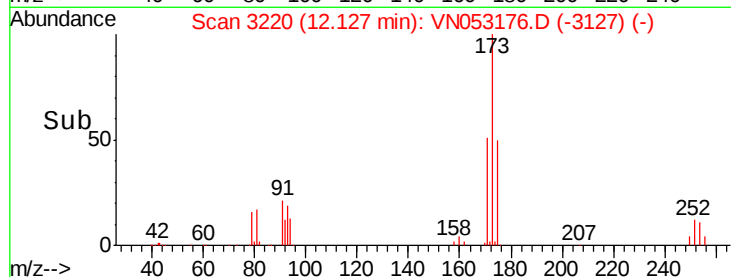
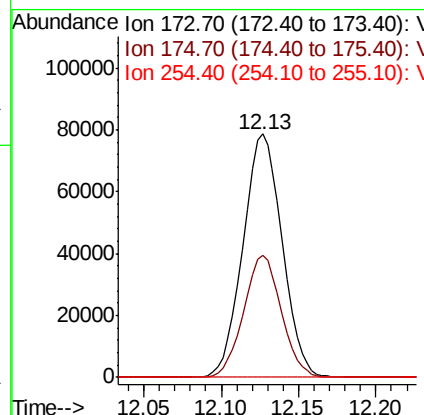
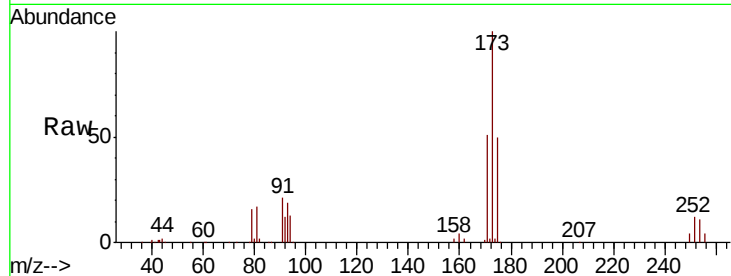
#71
Bromoform
Concen: 19.691 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	72.9
254	0.0	0.1	0.1#

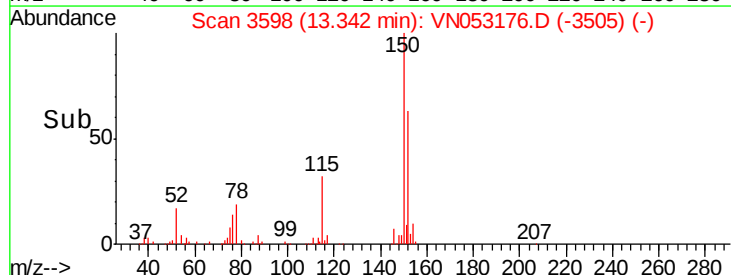
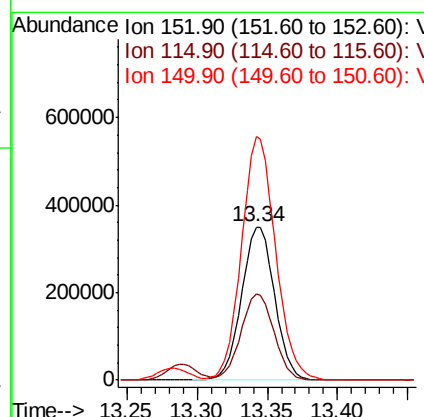
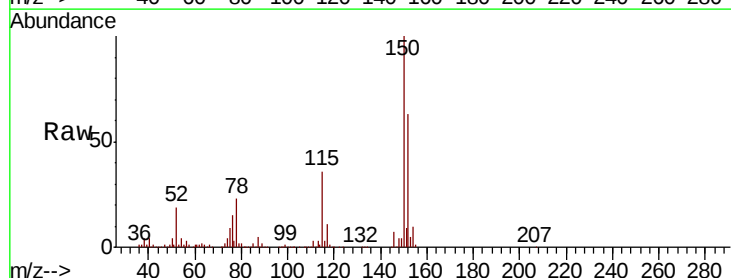
Manual Integrations
APPROVED

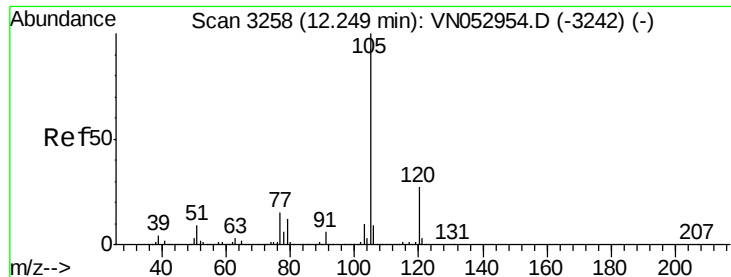
MMDadoda
12/26/2018 10:53:35 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.3	85.0
150	164.8	0.0	347.8





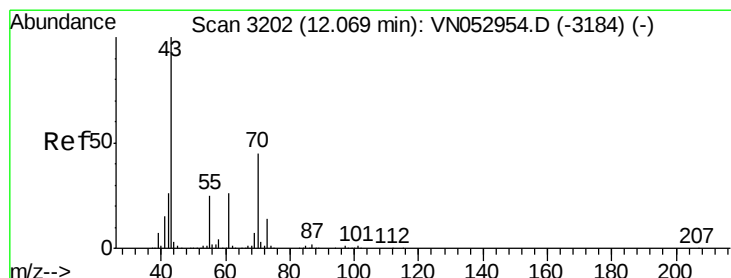
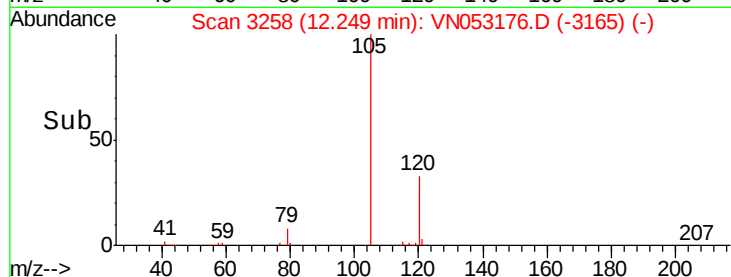
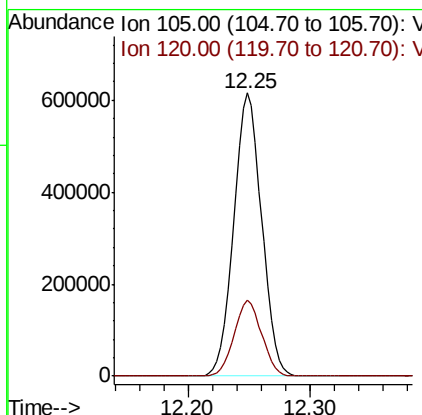
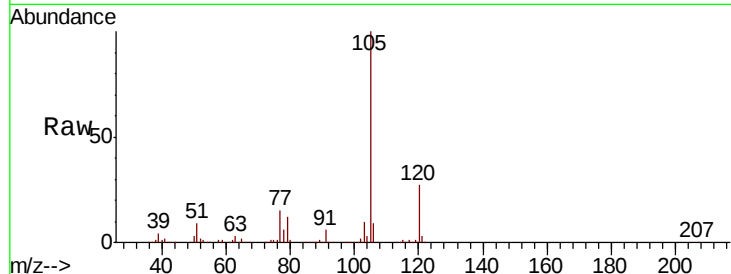
#73
Isopropylbenzene
Concen: 21.771 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.9

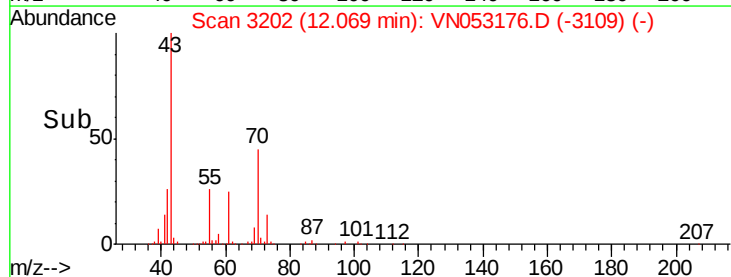
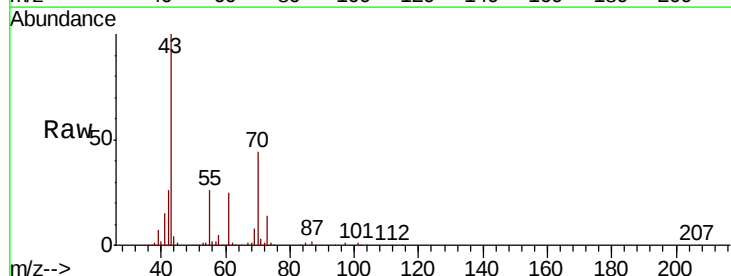
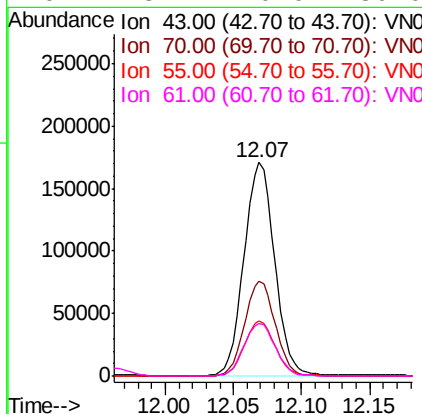
Manual Integrations
APPROVED

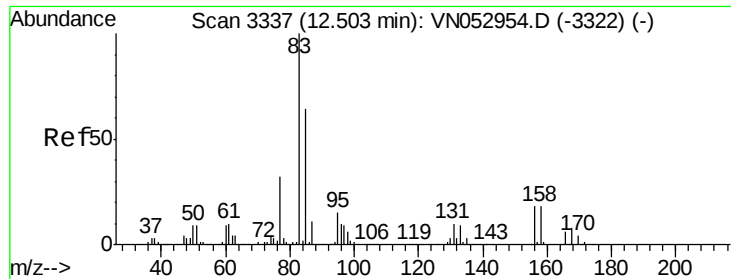
MMDadoda
12/26/2018 10:53:35 AM



#74
N-ethyl acetate
Concen: 21.430 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.7	34.2	51.4
55	26.0	20.3	30.5
61	25.4	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

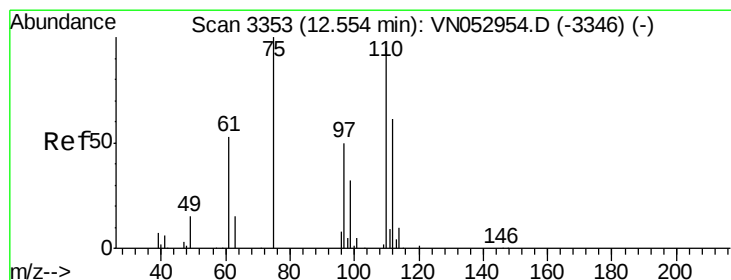
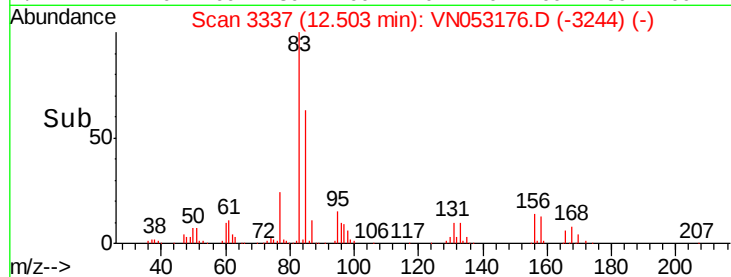
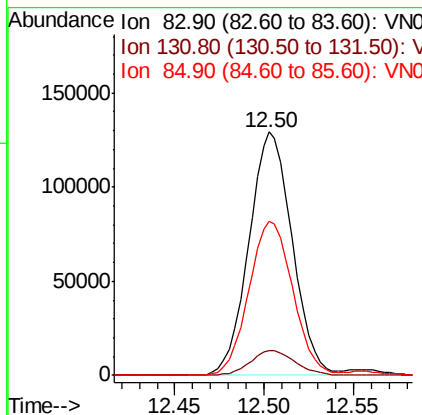
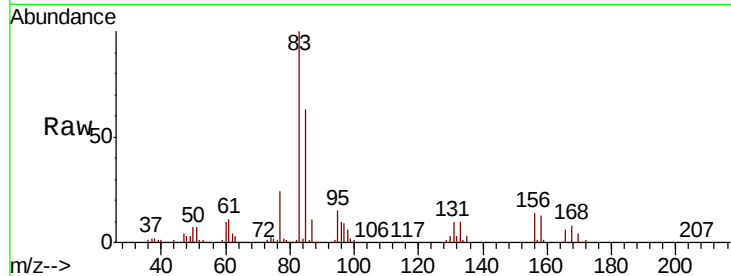
ClientSampleId :

VN1224MBSD01

Tot Ion:	83	Resp:	219219
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.1	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.945 ug/l m

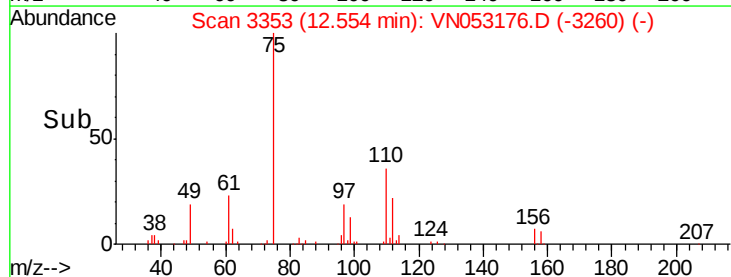
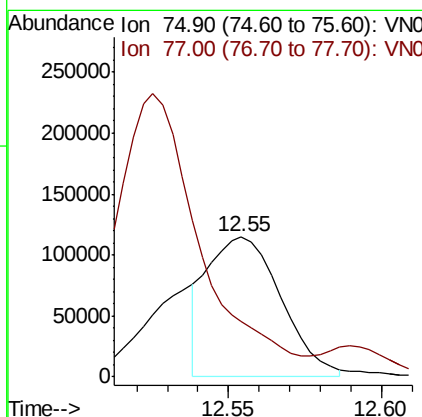
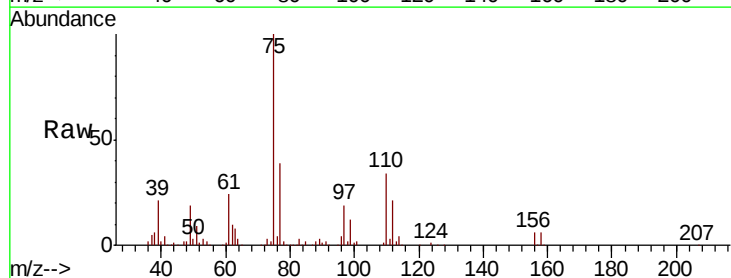
RT: 12.55 min Scan# 3353

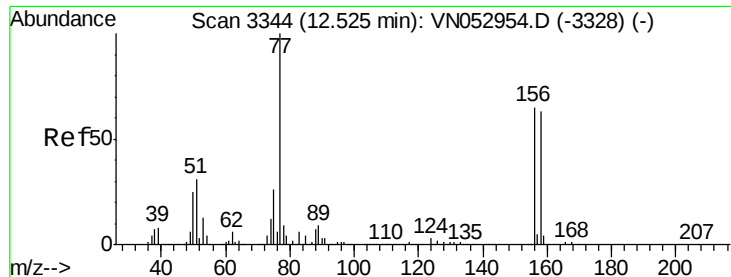
Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Tgt Ion:	75	Resp:	192088
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.610 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

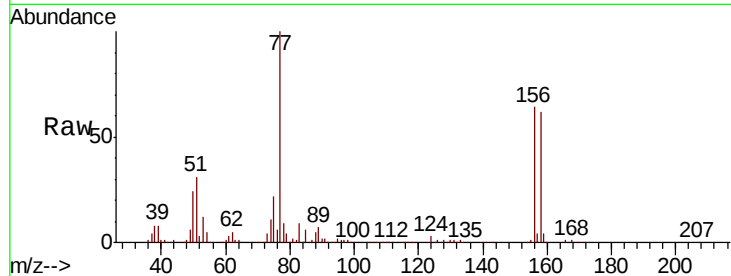
ClientSampleId :

VN1224MBSD01

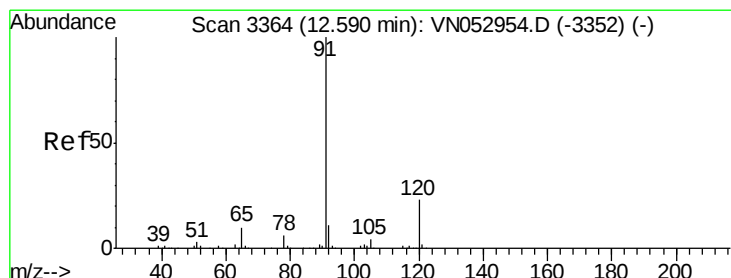
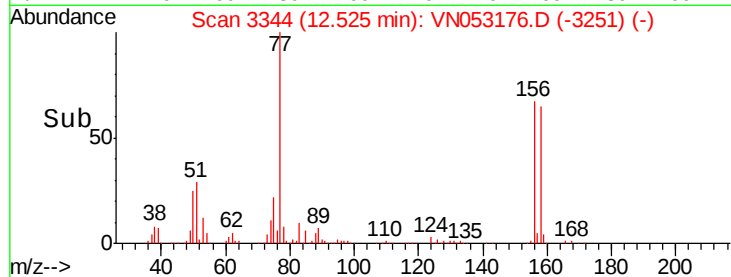
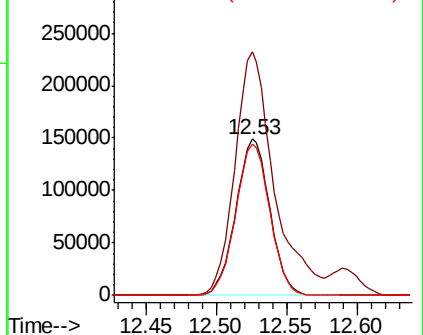
Tot Ion:	156	Resp:	251454
Ion Ratio	Lower	Upper	
156	100		
77	180.4	91.3	273.8
158	97.3	49.0	147.2

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.258 ug/l

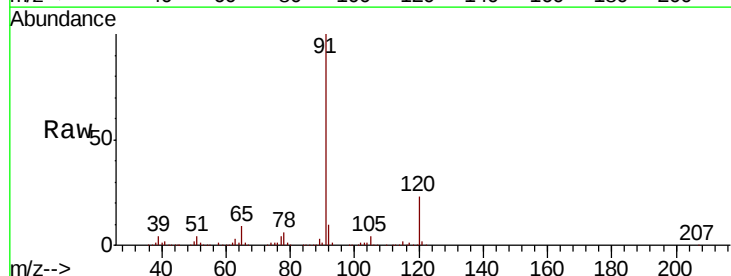
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

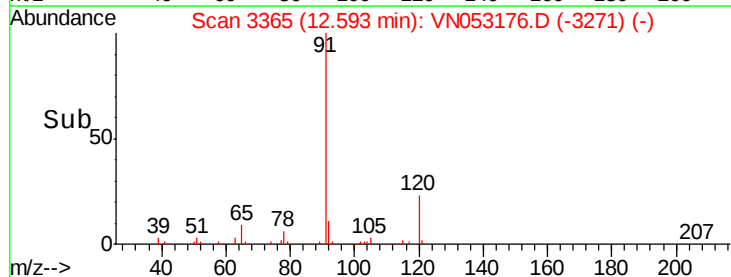
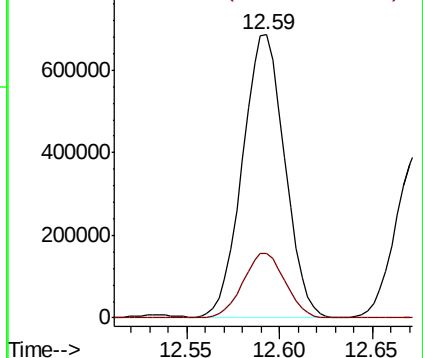
Lab File: VN053176.D

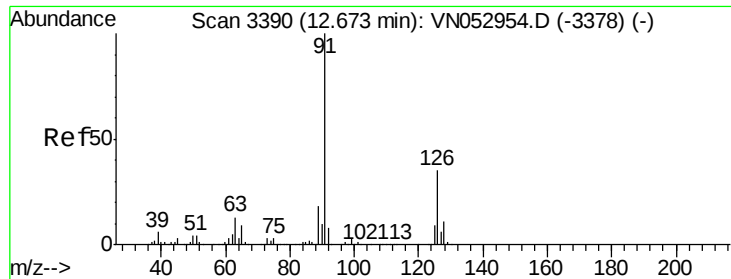
Acq: 24 Dec 2018 11:14

Tgt Ion:	91	Resp:	1083770
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.705 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

ClientSampleId :

VN1224MBSD01

Tot Ion: 91 Resp: 654284

Ion Ratio Lower Upper

91 100

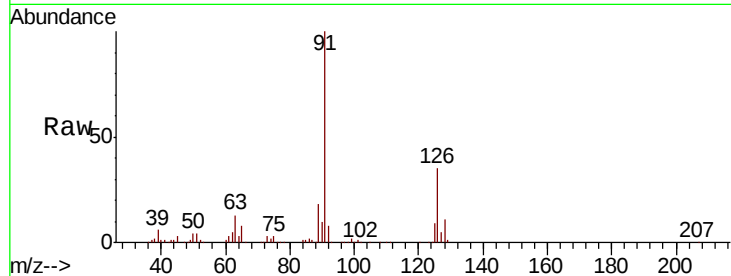
126 34.9 17.4 52.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)

800000

600000

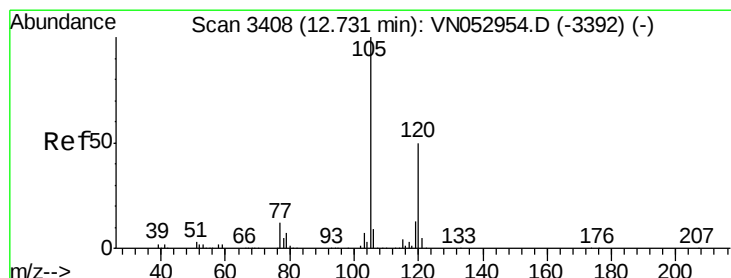
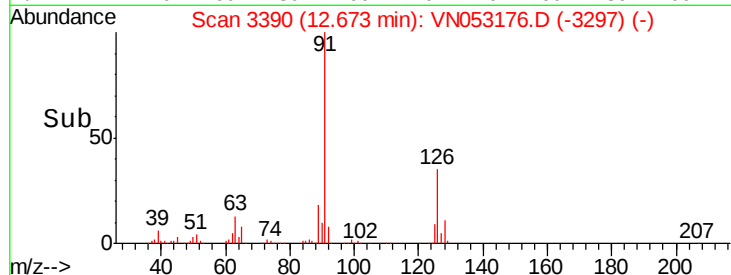
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.096 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053176.D

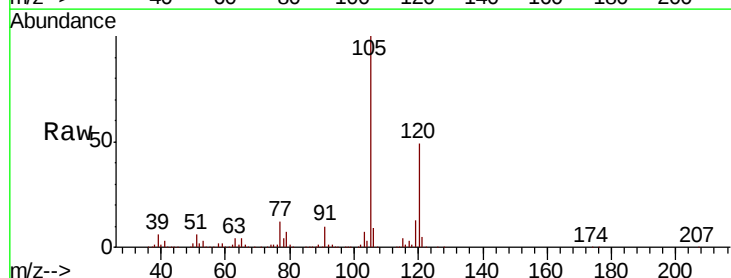
Acq: 24 Dec 2018 11:14

Tgt Ion: 105 Resp: 769708

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)

500000

400000

300000

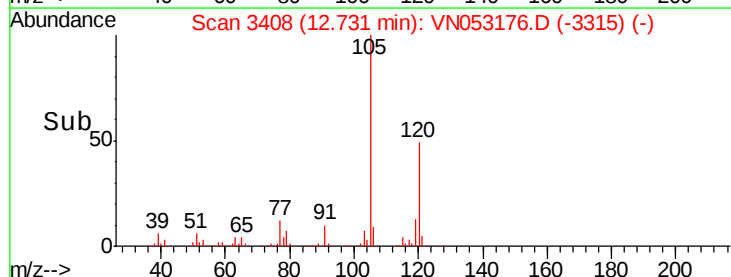
200000

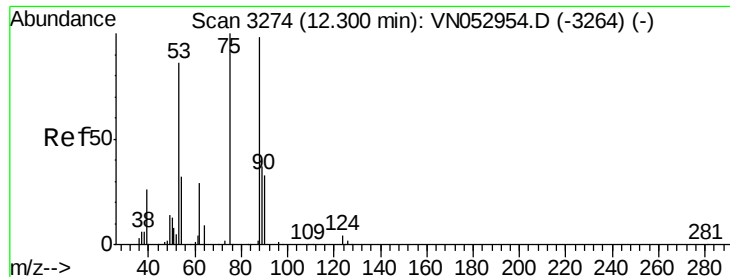
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.836 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

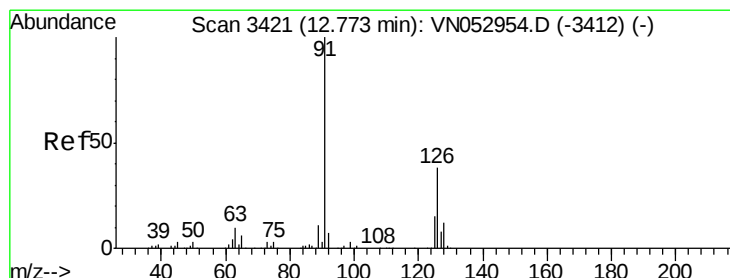
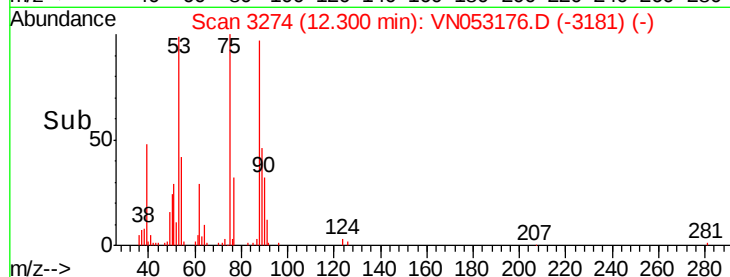
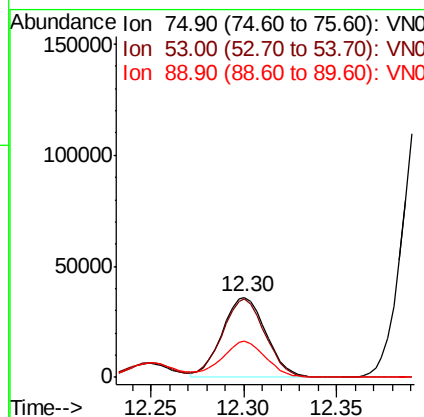
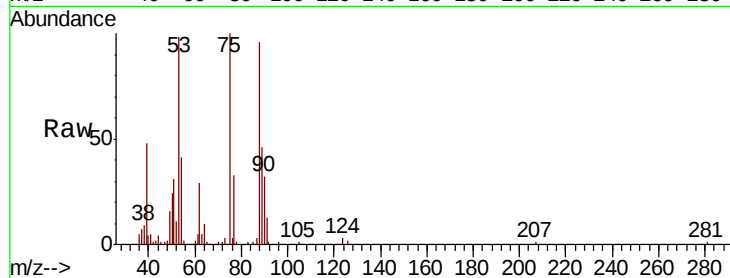
ClientSampleId :

VN1224MBSD01

Tot Ion:	75	Resp:	59273
Ion	Ratio	Lower	Upper
75	100		
53	97.1	74.7	112.1
89	45.7	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.380 ug/l

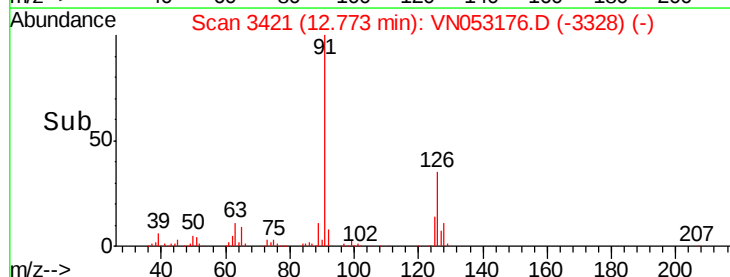
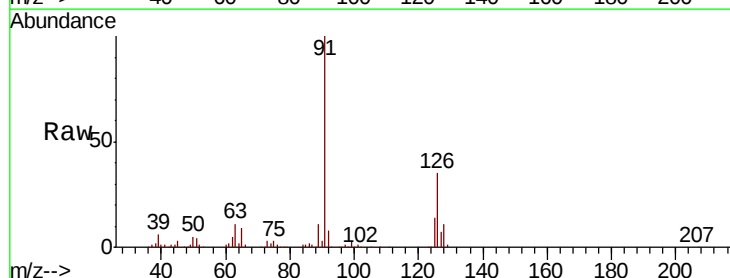
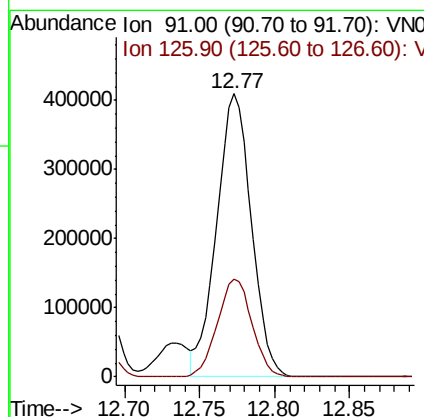
RT: 12.77 min Scan# 3421

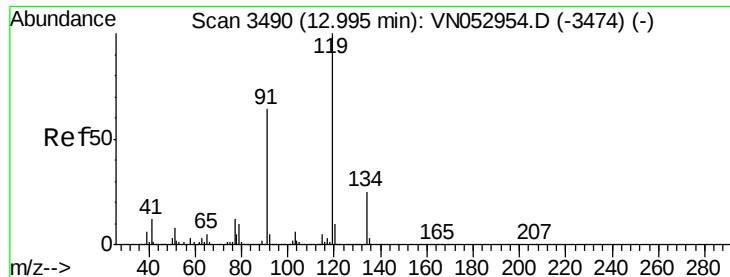
Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Tgt Ion:	91	Resp:	661379
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





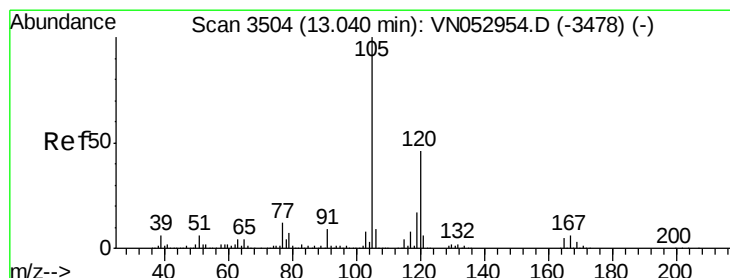
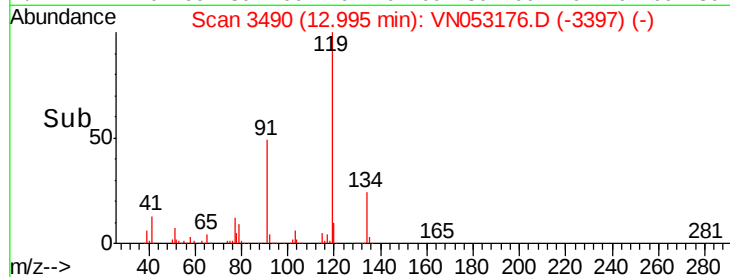
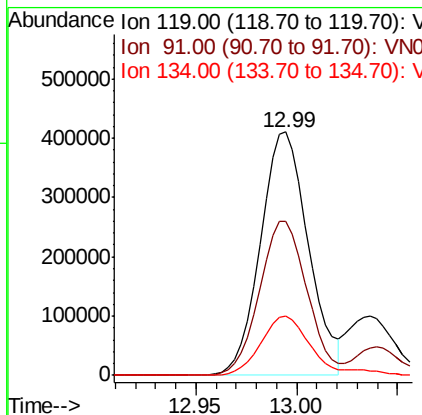
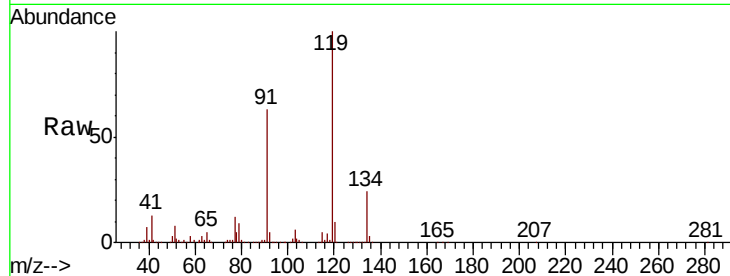
#83
tert-Butylbenzene
Concen: 21.082 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.9	95.5
134	25.8	12.8	38.4

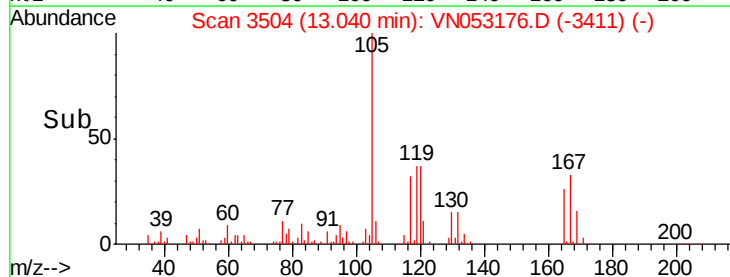
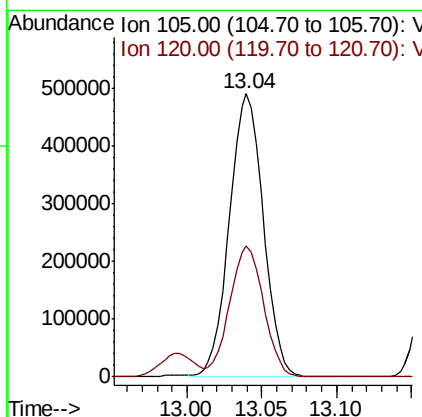
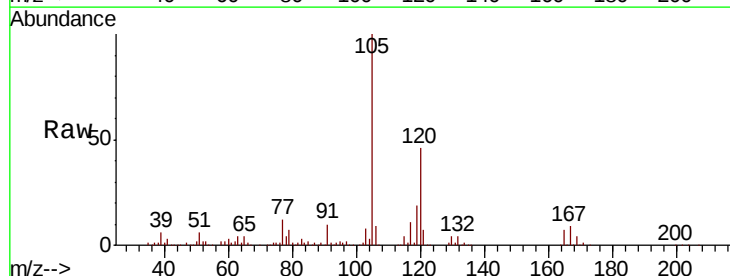
Manual Integrations
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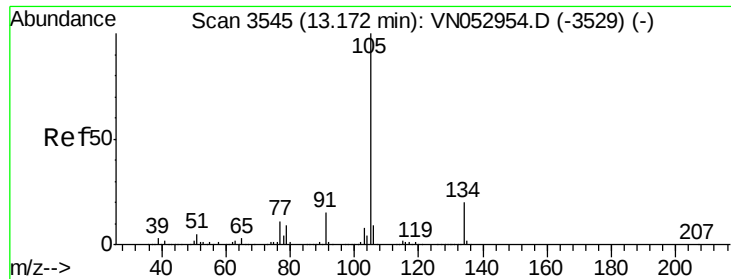
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.101 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.8





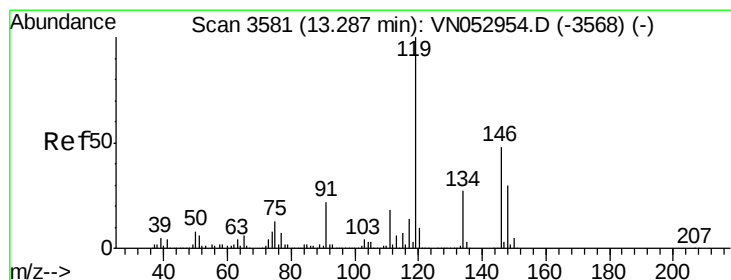
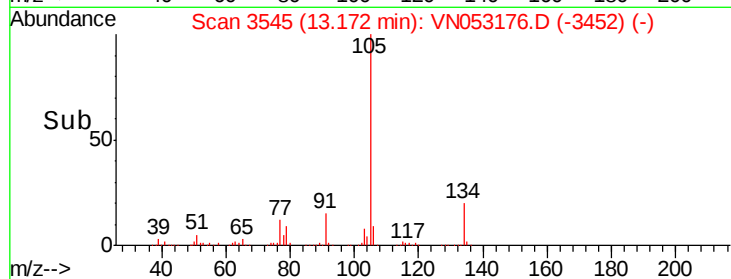
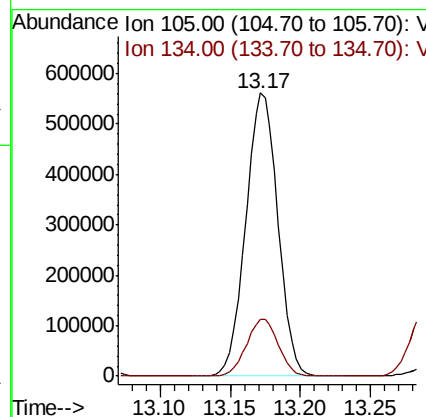
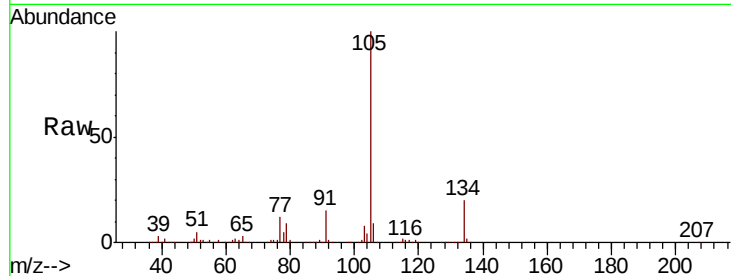
#85
 sec-Butylbenzene
 Concen: 20.479 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.3

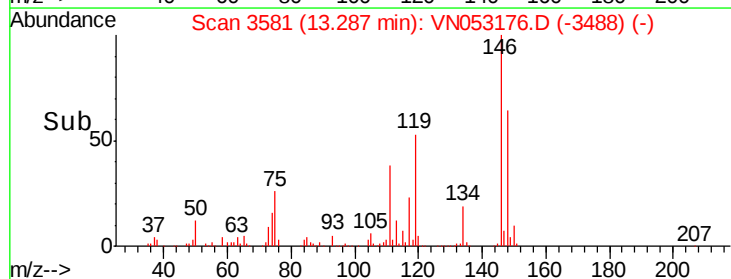
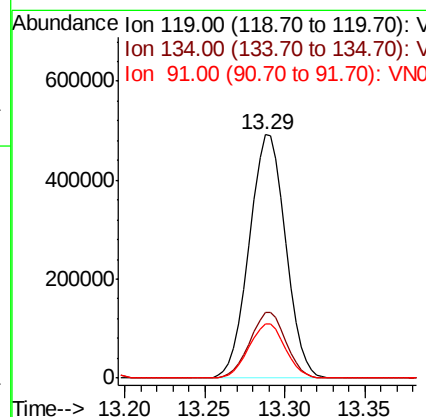
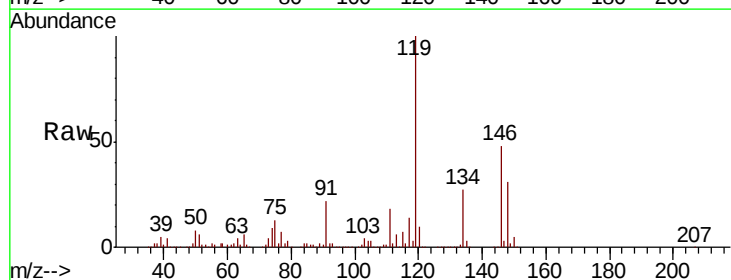
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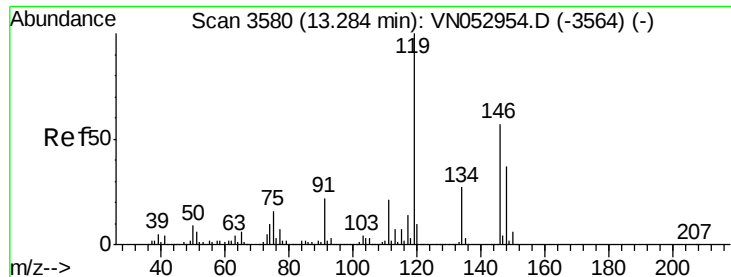
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#86
 p-Isopropyltoluene
 Concen: 20.213 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.2
91	22.4	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 20.679 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Instrument :

MSVOA_N

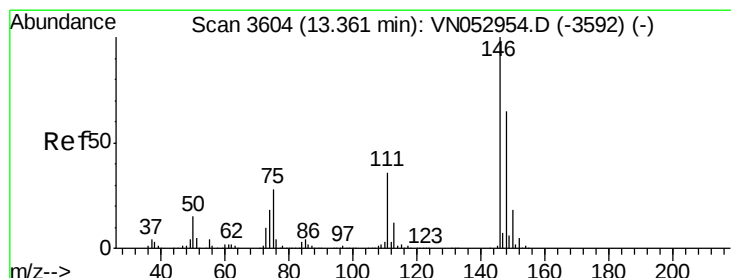
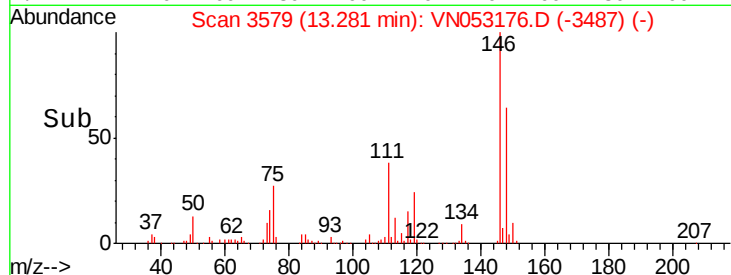
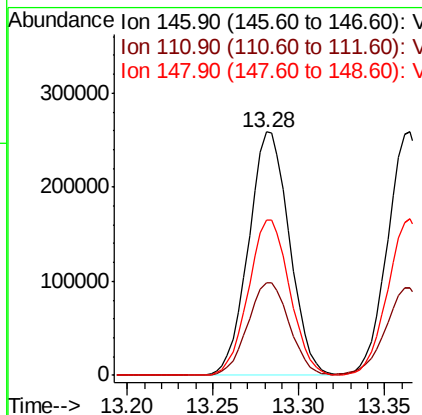
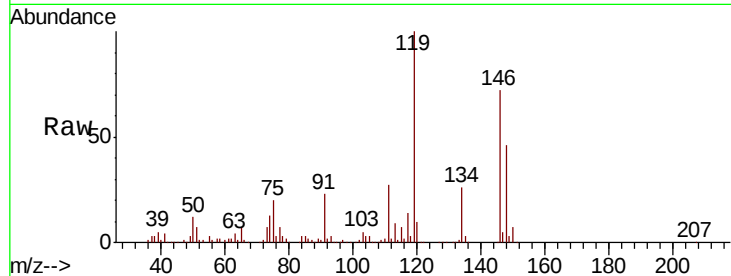
ClientSampleId :

VN1224MBSD01

Tot Ion:	146	Resp:	425873
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.1	57.1
148	64.5	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.281 ug/l

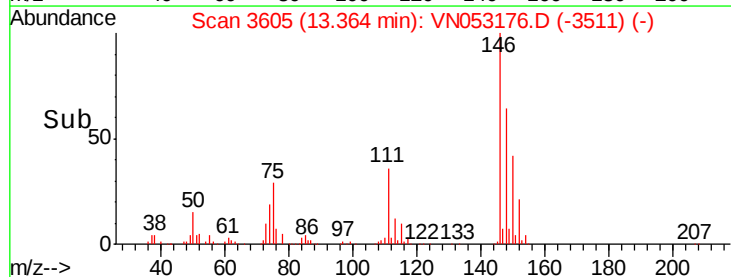
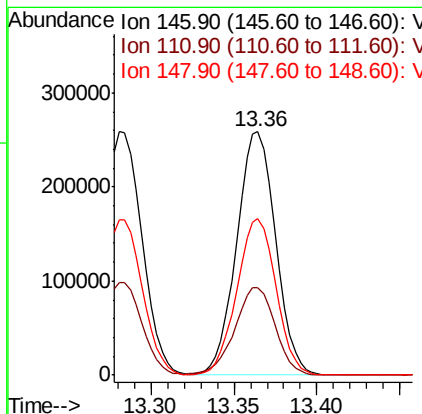
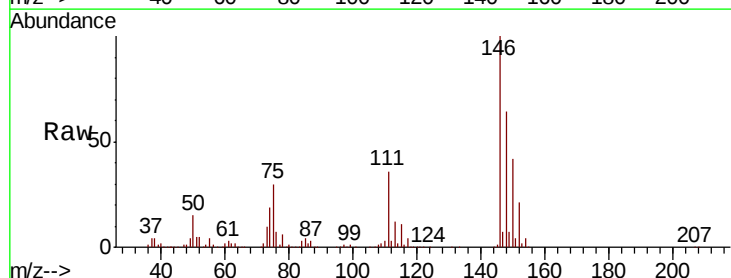
RT: 13.36 min Scan# 3605

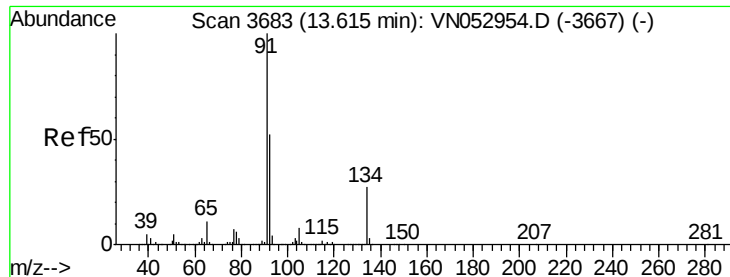
Delta R.T. 0.00 min

Lab File: VN053176.D

Acq: 24 Dec 2018 11:14

Tgt Ion:	146	Resp:	422962
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.6	55.8
148	64.6	32.1	96.5





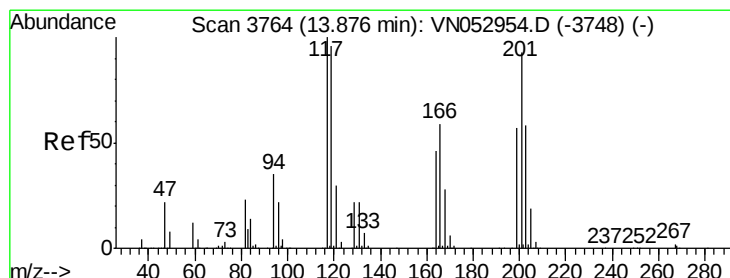
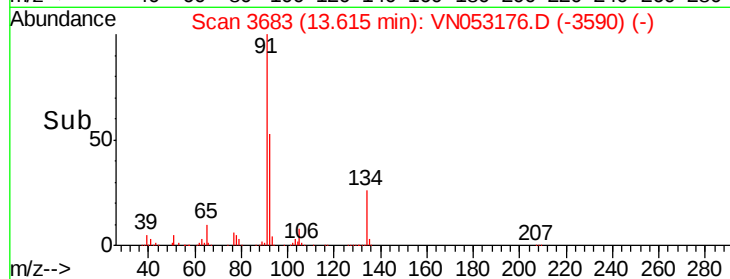
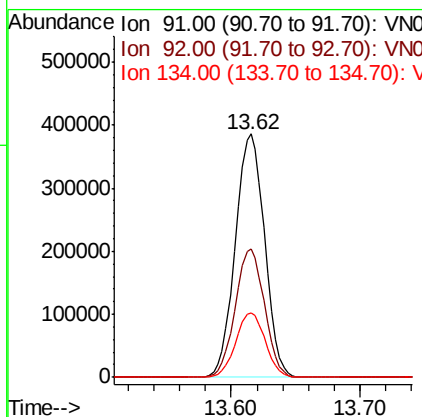
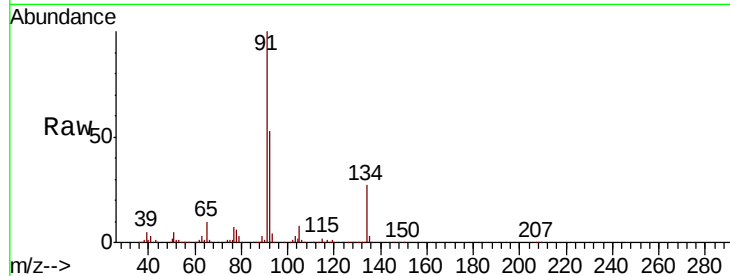
#89
n-Butylbenzene
Concen: 18.760 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.9
134	26.6	13.3	39.8

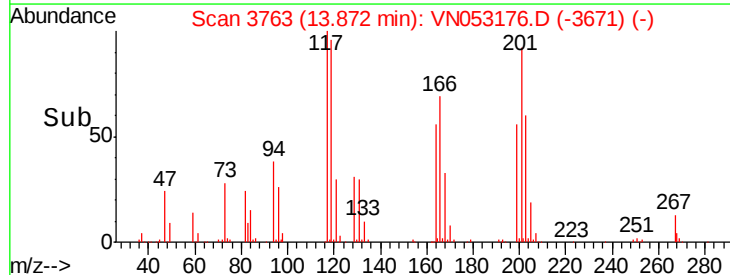
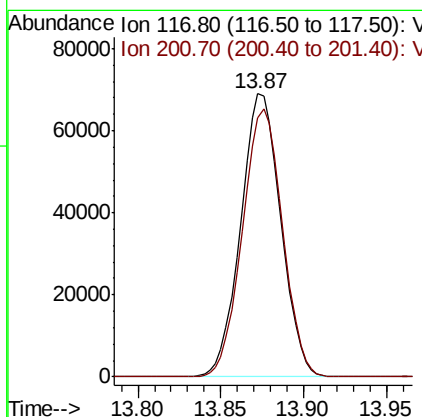
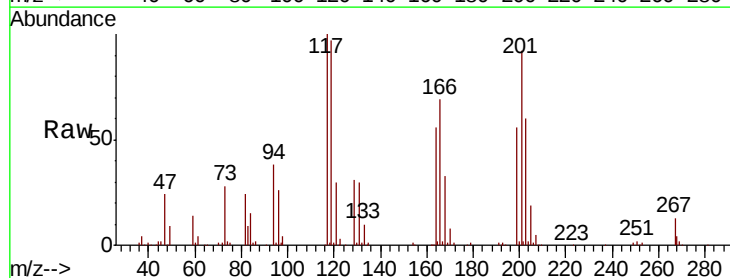
Manual Integrations
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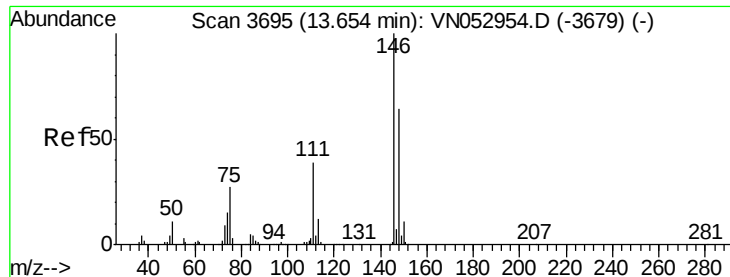
MMDadoda
12/26/2018 10:53:35 AM



#90
Hexachloroethane
Concen: 20.078 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.4	45.7	137.1





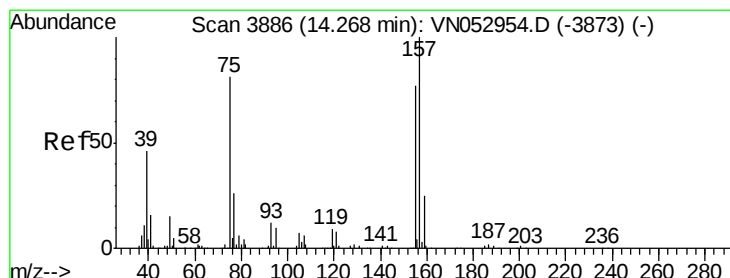
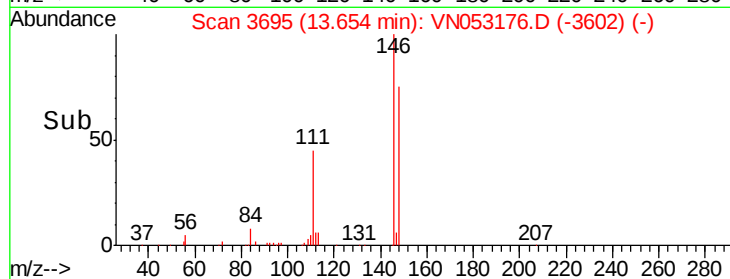
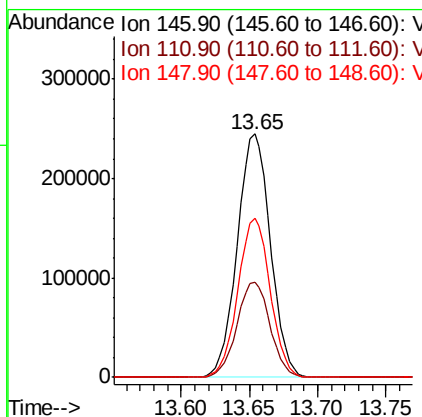
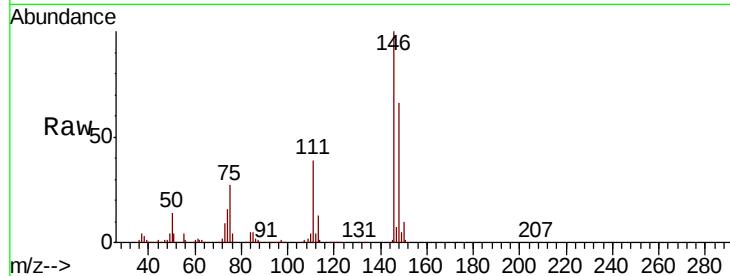
#91
 1,2-Dichlorobenzene
 Concen: 21.330 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.7	32.0	96.0

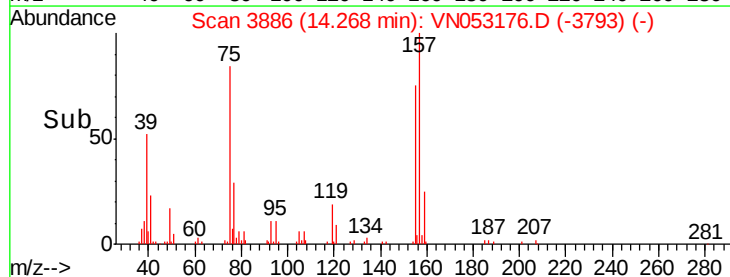
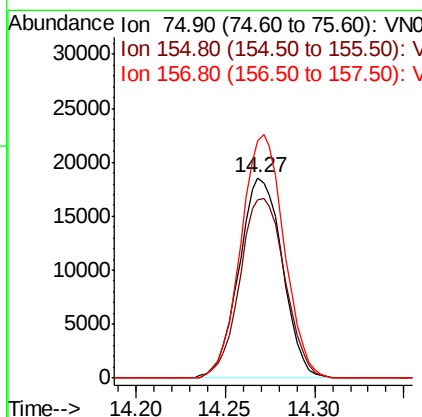
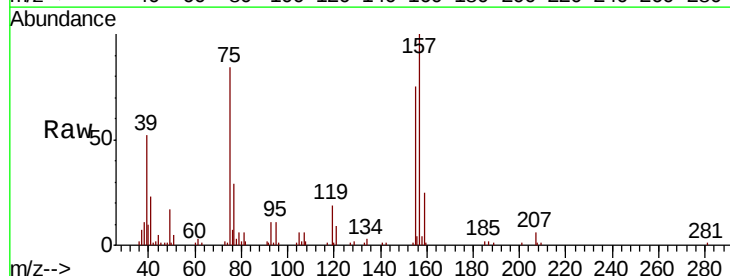
Manual Integrations
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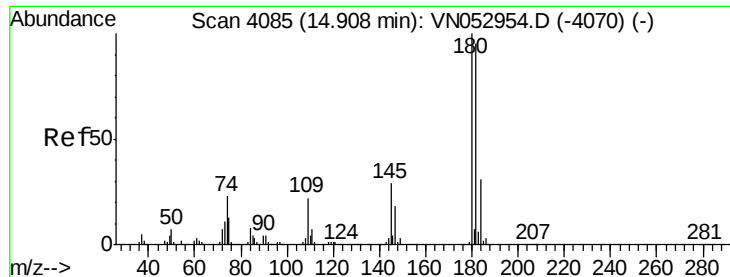
MMDadoda
 12/26/2018 10:53:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.748 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.2	144.6
157	121.0	61.2	183.5





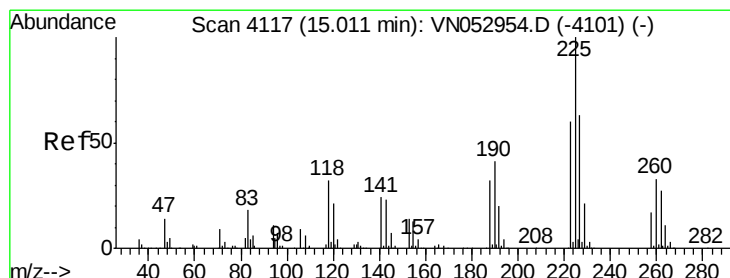
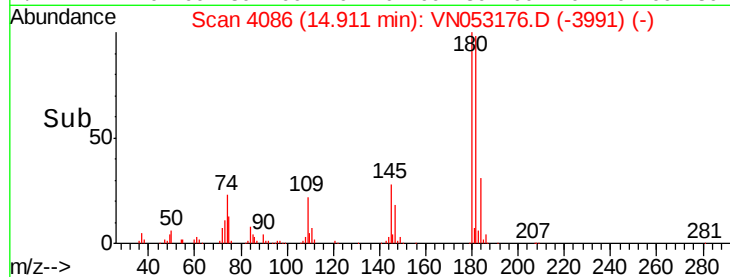
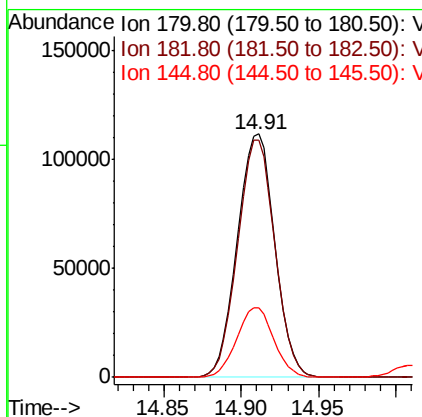
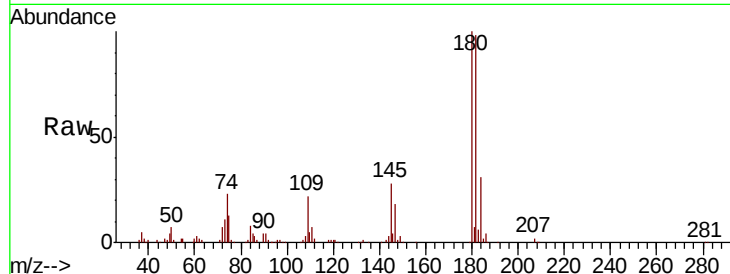
#93
 1,2,4-Trichlorobenzene
 Concen: 18.700 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1224MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	188142		
182	96.9	47.8	143.3	
145	28.4	14.2	42.6	

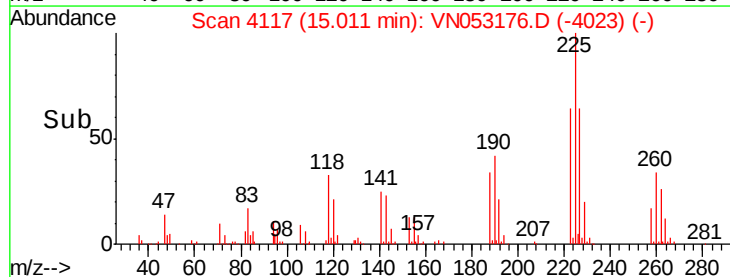
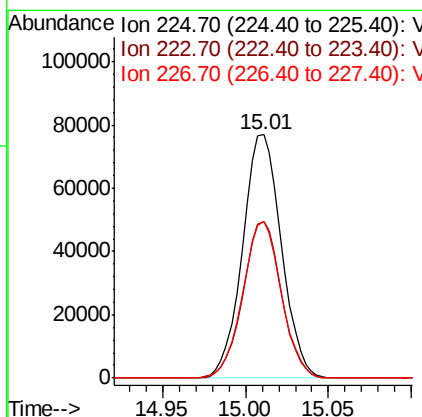
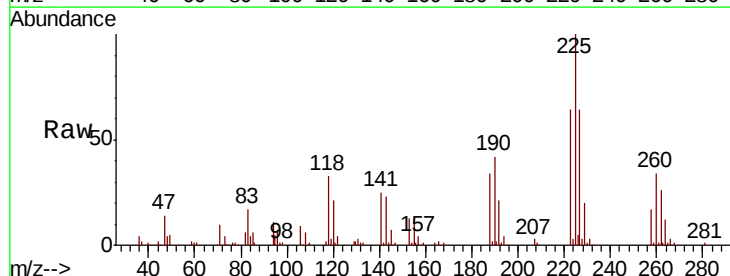
Manual Integrations
 APPROVED

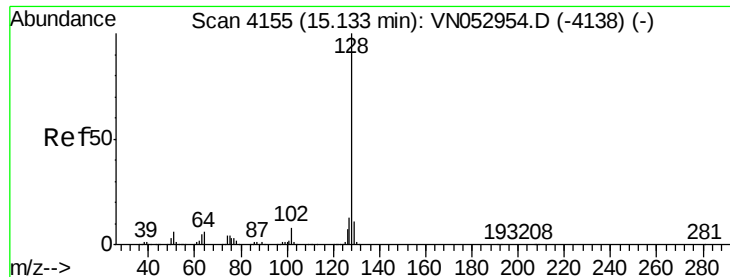
MMDadoda
 12/26/2018 10:53:35 AM



#94
 Hexachlorobutadiene
 Concen: 21.886 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053176.D
 Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124948		
223	63.8	31.5	94.5	
227	63.9	31.9	95.7	





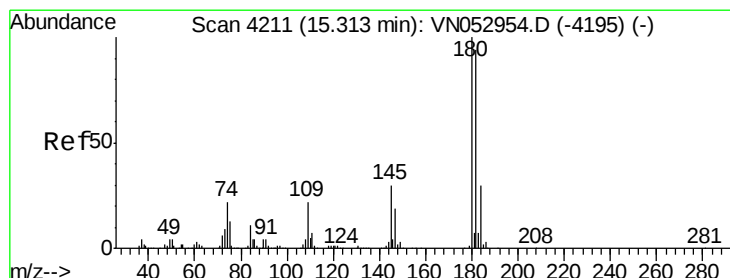
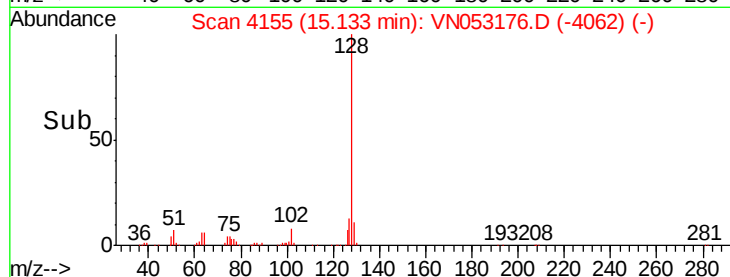
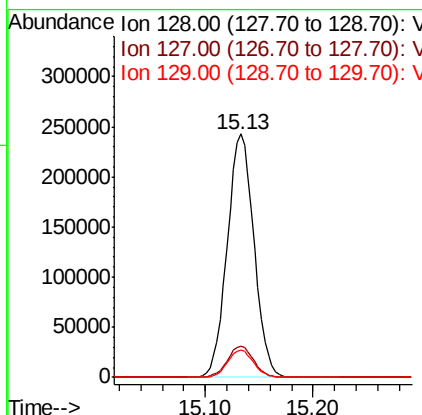
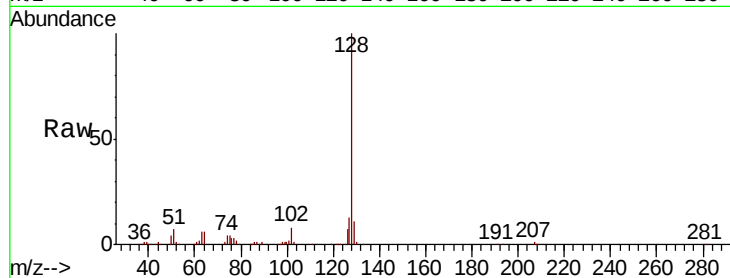
#95
Naphthalene
Concen: 19.287 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Instrument :
MSVOA_N
ClientSampleId :
VN1224MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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12/26/2018 10:53:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.892 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053176.D
Acq: 24 Dec 2018 11:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.0	15.0	45.0

