

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050483.D
 Acq On : 9 Aug 2018 14:12
 Operator : MD\SY
 Sample : VN0809MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:52:49 AM

Quant Time: Aug 10 05:12:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	762191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1130403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1007034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	509666	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	469136	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.59	113	428179	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.09	98	1593282	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.40	95	529613	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152640	18.04	ug/l	99
3) Chloromethane	2.06	50	183439	17.39	ug/l	98
4) Vinyl Chloride	2.18	62	203709	18.60	ug/l	100
5) Bromomethane	2.56	94	108404	20.52	ug/l	97
6) Chloroethane	2.70	64	126357	18.73	ug/l	99
7) Trichlorofluoromethane	3.01	101	270197	19.10	ug/l	100
8) Diethyl Ether	3.41	74	95645	18.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	165711	18.96	ug/l	98
10) Methyl Iodide	3.95	142	69772	18.12	ug/l	98
11) Tert butyl alcohol	4.80	59	63047	77.07	ug/l	100
12) 1,1-Dichloroethene	3.73	96	154482	18.75	ug/l	97
13) Acrolein	3.61	56	57099	65.45	ug/l	99
14) Allyl chloride	4.33	41	231410	17.49	ug/l	98
15) Acrylonitrile	4.99	53	285763	83.39	ug/l	99
16) Acetone	3.82	43	258972	85.04	ug/l	99
17) Carbon Disulfide	4.05	76	440281	16.43	ug/l	99
18) Methyl Acetate	4.33	43	142281	17.91	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	434451	18.58	ug/l	99
20) Methylene Chloride	4.55	84	179883	18.39	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	162368	18.21	ug/l	97
22) Diisopropyl ether	5.96	45	521479	19.29	ug/l	98
23) Vinyl Acetate	5.90	43	1751425	90.81	ug/l	99
24) 1,1-Dichloroethane	5.85	63	304695	18.37	ug/l	99
25) 2-Butanone	6.84	43	414964	82.23	ug/l	98
26) 2,2-Dichloropropane	6.83	77	241055	17.63	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	187439	18.97	ug/l	99
28) Bromochloromethane	7.20	49	140321	18.38	ug/l	95
29) Tetrahydrofuran	7.22	42	219641	81.32	ug/l	98
30) Chloroform	7.37	83	315407	19.02	ug/l	99
31) Cyclohexane	7.66	56	268606	18.00	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	273435	19.20	ug/l	98
36) 1,1-Dichloropropene	7.80	75	233436	18.79	ug/l	100
37) Ethyl Acetate	6.93	43	153867	17.20	ug/l	99
38) Carbon Tetrachloride	7.77	117	239288	18.47	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	241971	17.85	ug/l	99
40) Benzene	8.04	78	710223	18.60	ug/l	99
41) Methacrylonitrile	7.18	41	78099	16.42	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	227048	18.73	ug/l	98
43) Isopropyl Acetate	8.17	43	274668	17.79	ug/l	99
44) Trichloroethene	8.84	130	192579	18.77	ug/l	100
45) 1,2-Dichloropropane	9.12	63	185694	18.50	ug/l	99
46) Dibromomethane	9.21	93	114270	18.43	ug/l	96
47) Bromodichloromethane	9.40	83	238214	18.55	ug/l	99
48) Methyl methacrylate	9.20	41	130985	16.93	ug/l	97
49) 1,4-Dioxane	9.20	88	38215	320.36	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	950718	85.50	ug/l	99
52) Toluene	10.16	92	444127	19.36	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	236170	18.32	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	269459	18.73	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	164286	18.35	ug/l	98
56) Ethyl methacrylate	10.43	69	204945	17.33	ug/l	97
57) 1,3-Dichloropropane	10.71	76	273692	18.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	473142	85.13	ug/l	98
59) 2-Hexanone	10.75	43	628792	81.02	ug/l	99
60) Dibromochloromethane	10.90	129	184461	18.70	ug/l	99
61) 1,2-Dibromoethane	11.01	107	162207	18.38	ug/l	98
64) Tetrachloroethene	10.63	164	182820	19.43	ug/l	99
65) Chlorobenzene	11.44	112	482101	19.10	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	180578	19.65	ug/l	100
67) Ethyl Benzene	11.51	91	804803	19.72	ug/l	99
68) m/p-Xylenes	11.62	106	627638	40.40	ug/l	100
69) o-Xylene	11.95	106	300064	20.05	ug/l	99
70) Styrene	11.97	104	480562	19.75	ug/l	100
71) Bromoform	12.13	173	124862	18.59	ug/l #	99
73) Isopropylbenzene	12.25	105	794059	20.76	ug/l	99
74) N-amyl acetate	12.07	43	218304	17.60	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	207648	18.81	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	171507m	18.59	ug/l	
77) Bromobenzene	12.53	156	207202	20.22	ug/l	98
78) n-propylbenzene	12.59	91	886634	20.47	ug/l	99
79) 2-Chlorotoluene	12.68	91	542949	20.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	648036	20.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45894	17.48	ug/l	99
82) 4-Chlorotoluene	12.78	91	538497	20.19	ug/l	98
83) tert-Butylbenzene	12.99	119	552033	20.38	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	653754	20.78	ug/l	100
85) sec-Butylbenzene	13.17	105	718593	19.90	ug/l	99
86) p-Isopropyltoluene	13.29	119	619517	20.02	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	355560	19.48	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	345261	18.94	ug/l	99
89) n-Butylbenzene	13.62	91	470699	17.87	ug/l	100
90) Hexachloroethane	13.88	117	102749	18.67	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	346423	18.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29030	15.49	ug/l	92

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Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

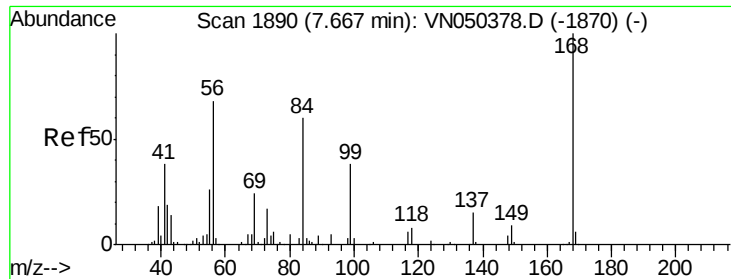
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	158219	16.97	ug/l	98
94) Hexachlorobutadiene	15.01	225	100467	18.70	ug/l	100
95) Naphthalene	15.14	128	336517	16.27	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	154677	16.41	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion:168 Resp: 762191

Ion Ratio Lower Upper

168 100

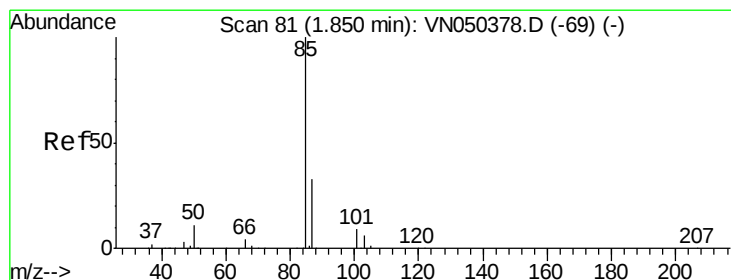
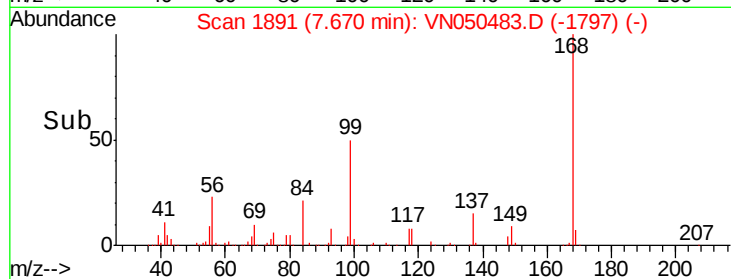
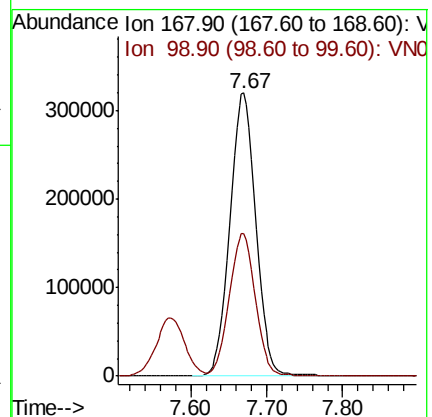
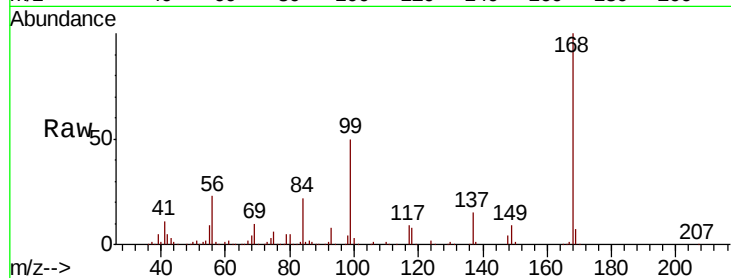
99 50.3 40.0 60.0

Manual Integrations

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8/10/2018 10:52:49 AM



#2

Dichlorodifluoromethane

Concen: 18.04 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050483.D

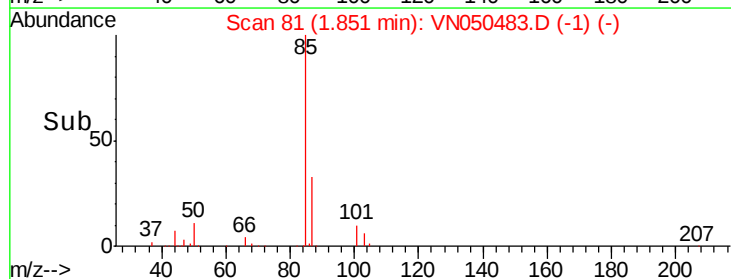
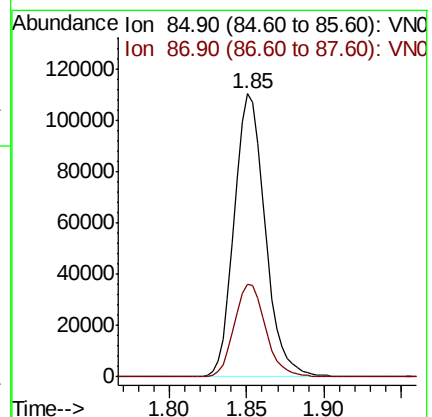
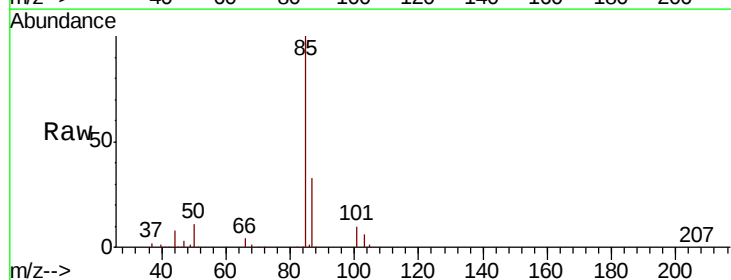
Acq: 9 Aug 2018 14:12

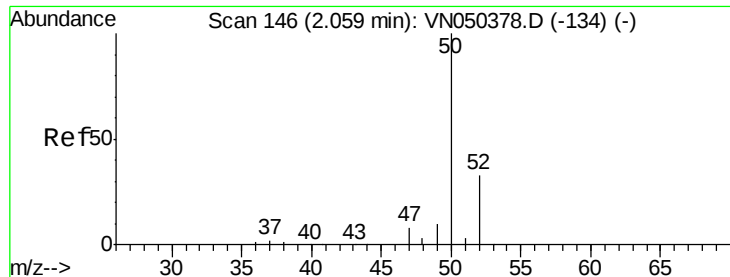
Tgt Ion: 85 Resp: 152640

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3





#3

Chloromethane

Concen: 17.39 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion: 50 Resp: 183439

Ion Ratio Lower Upper

50 100

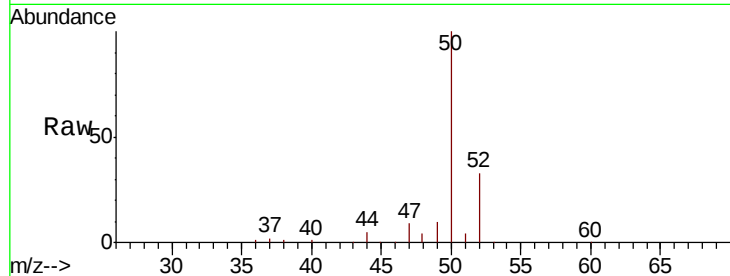
52 33.4 25.9 38.9

Manual Integrations

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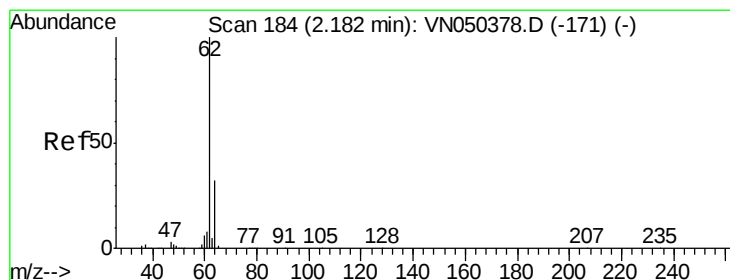
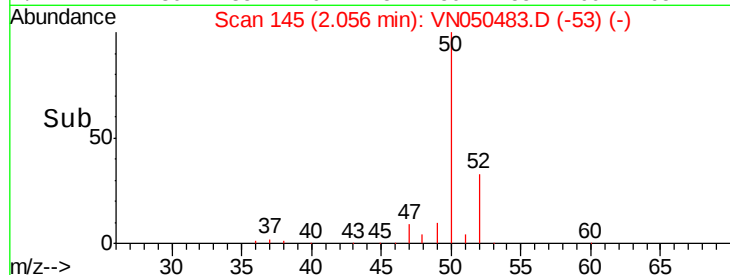
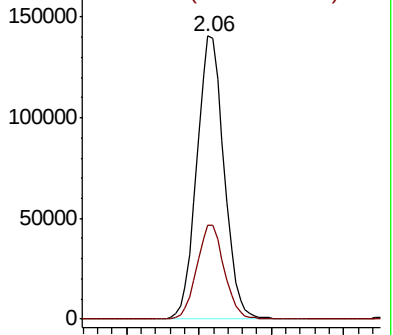
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.60 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050483.D

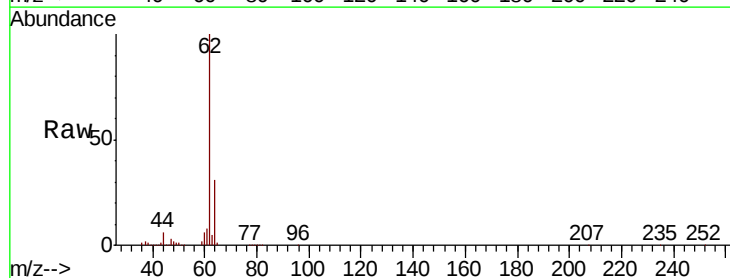
Acq: 9 Aug 2018 14:12

Tgt Ion: 62 Resp: 203709

Ion Ratio Lower Upper

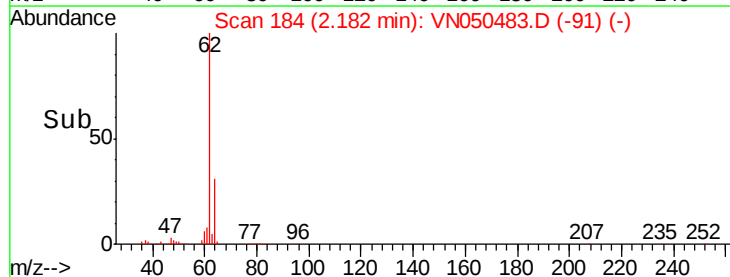
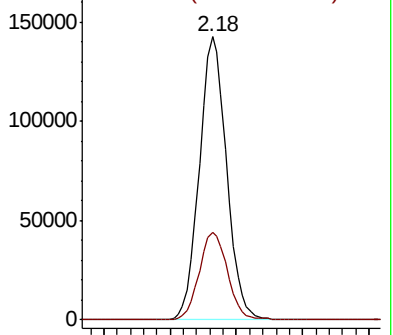
62 100

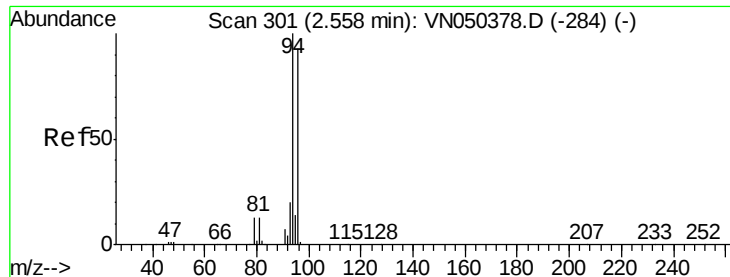
64 30.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.52 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion: 94 Resp: 108404

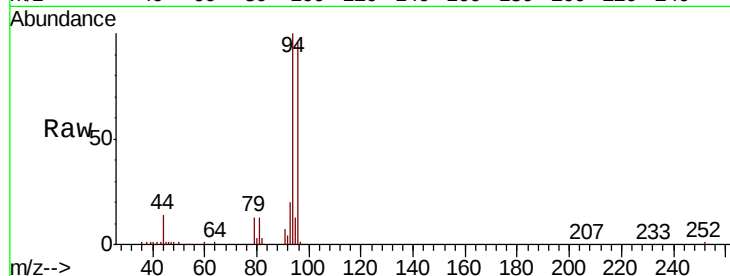
Ion Ratio Lower Upper

94 100

96 96.1 74.6 112.0

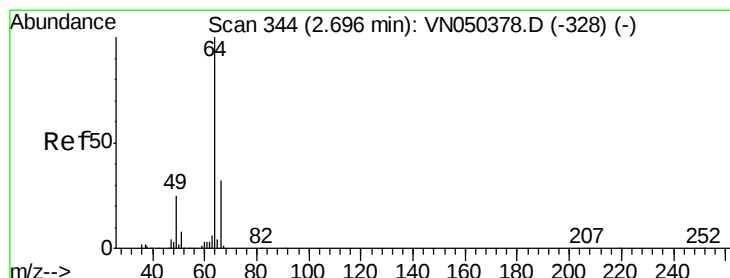
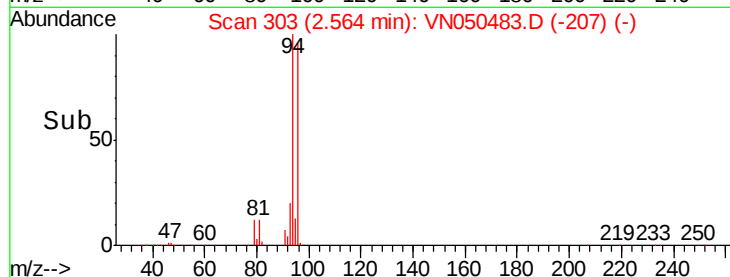
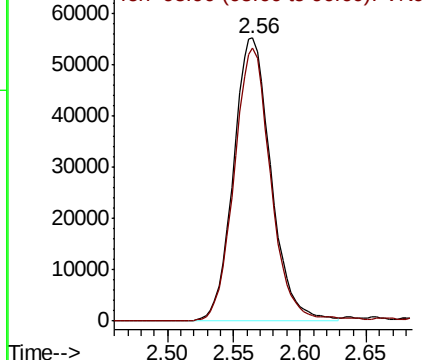
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.73 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050483.D

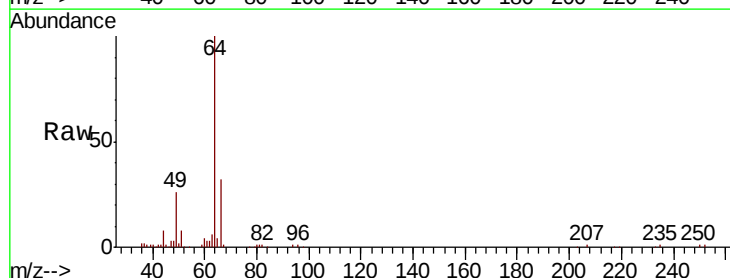
Acq: 9 Aug 2018 14:12

Tgt Ion: 64 Resp: 126357

Ion Ratio Lower Upper

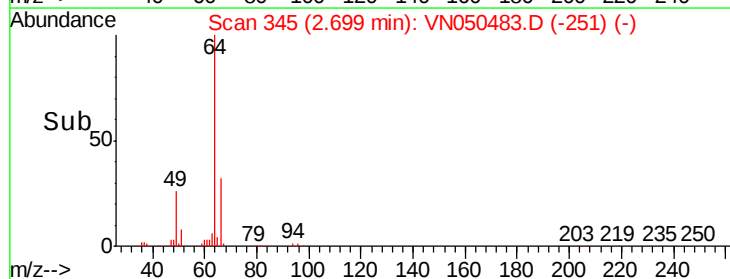
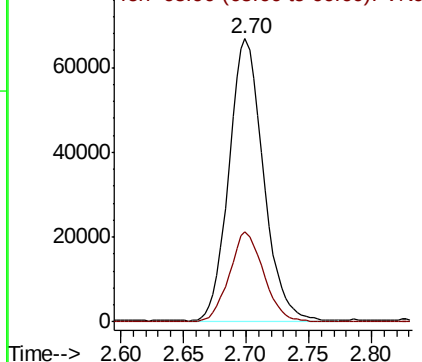
64 100

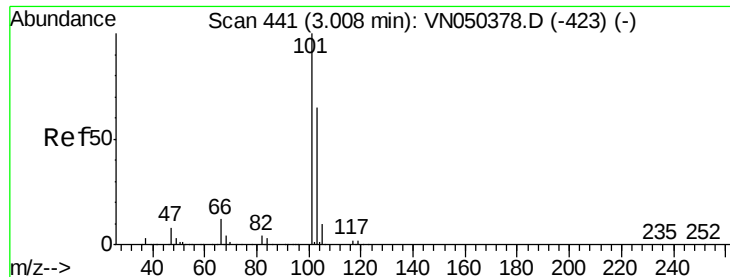
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

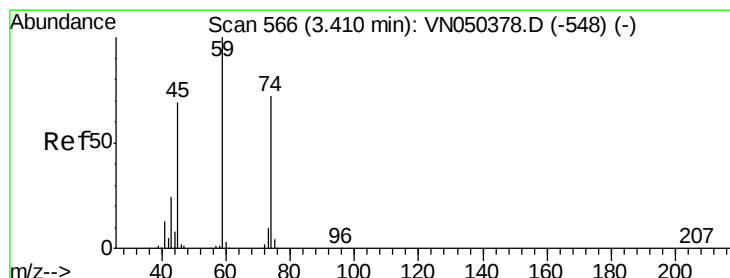
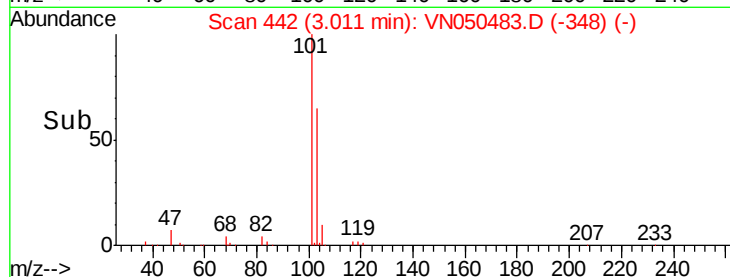
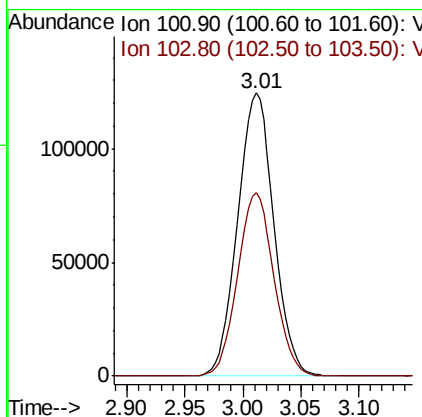
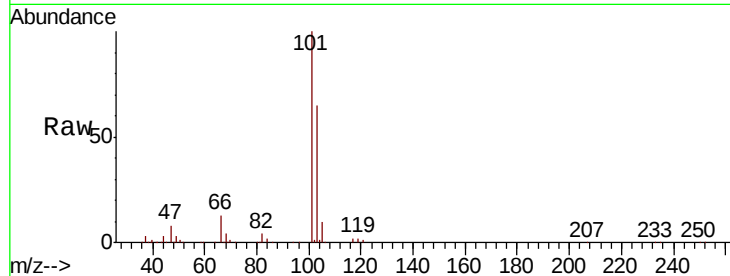
Trichlorofluoromethane
 Concen: 19.10 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.7	77.5

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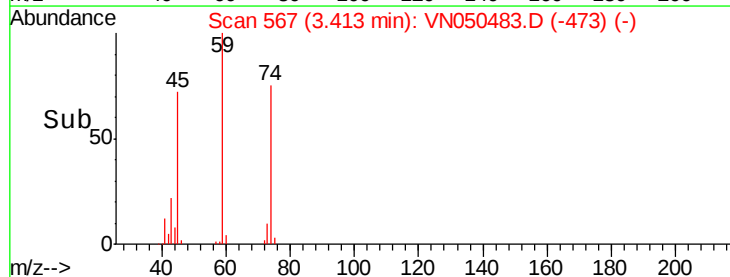
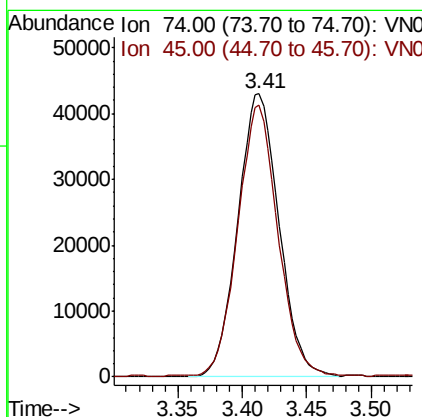
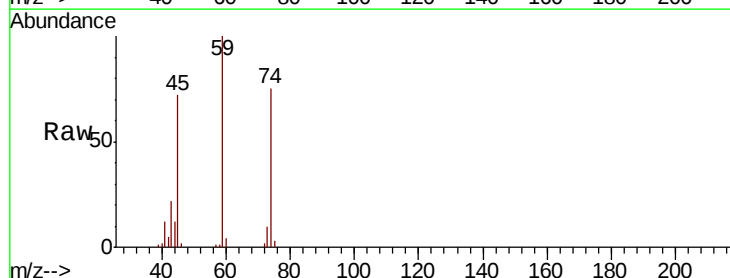
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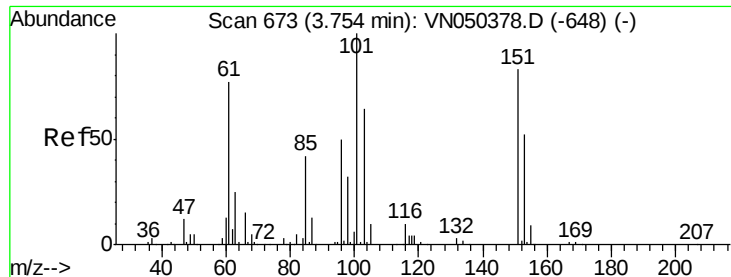


#8

Diethyl Ether
 Concen: 18.44 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.8	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.96 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

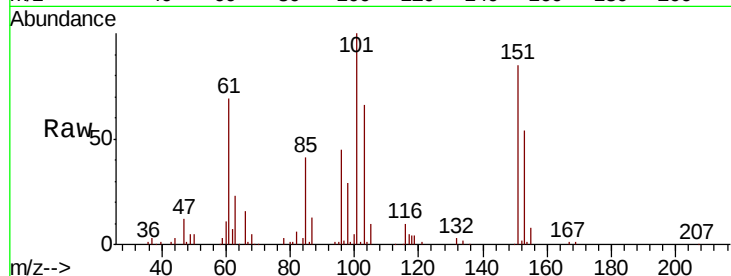
ClientSampled :

VN0809MBSD01

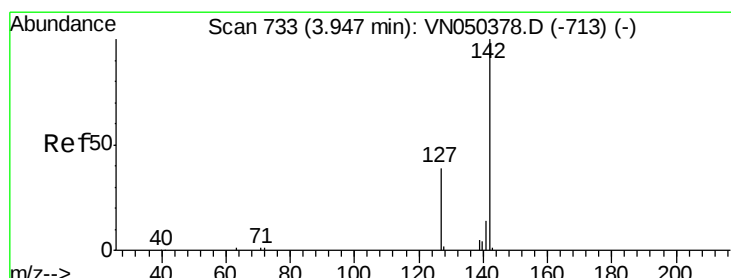
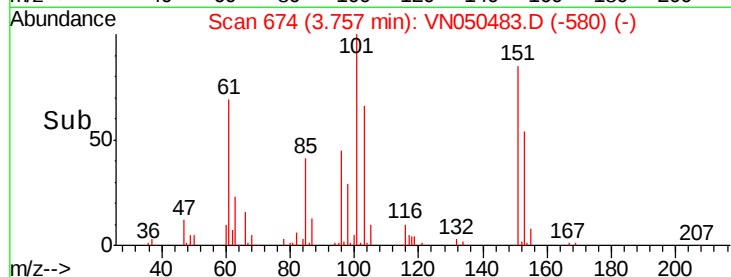
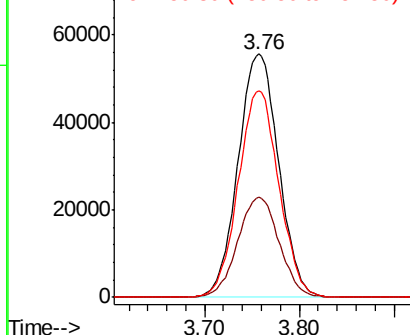
Tot Ion:	101	Resp:	165711
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	85.1	66.3	99.5

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



#10

Methyl Iodide

Concen: 18.12 ug/l

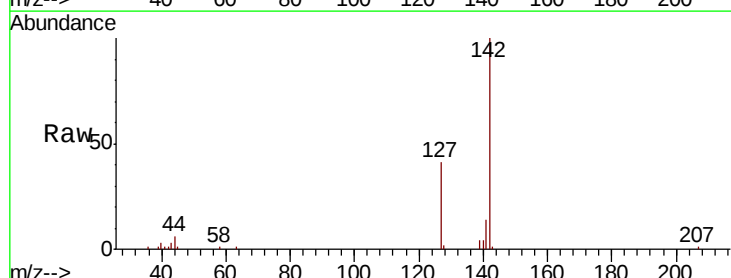
RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

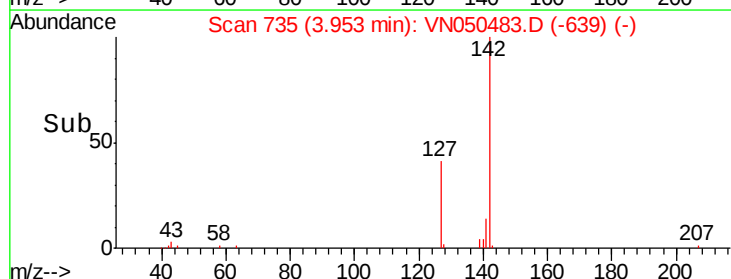
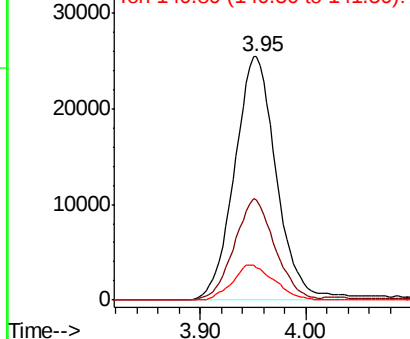
Lab File: VN050483.D

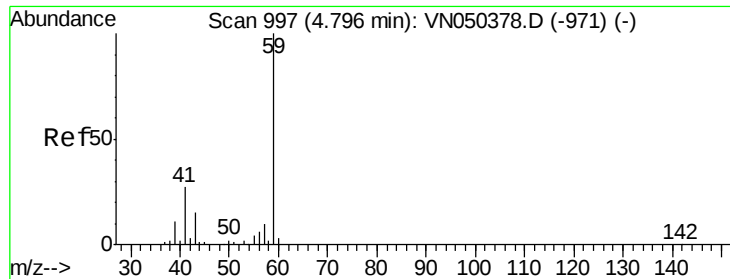
Acq: 9 Aug 2018 14:12

Tgt Ion:	142	Resp:	69772
Ion Ratio	Lower	Upper	
142	100		
127	40.5	33.4	50.2
141	14.4	11.6	17.4



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





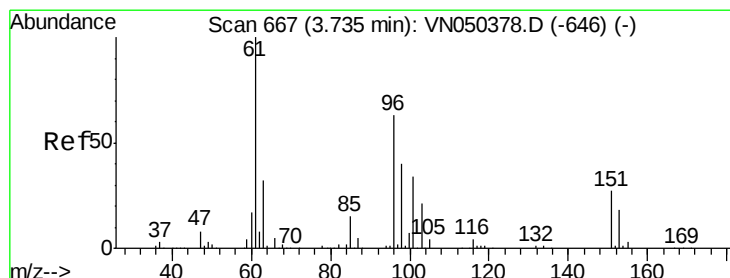
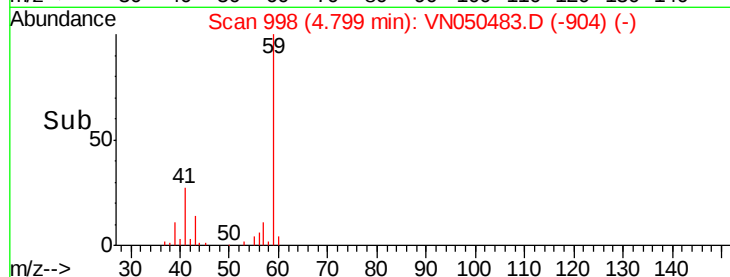
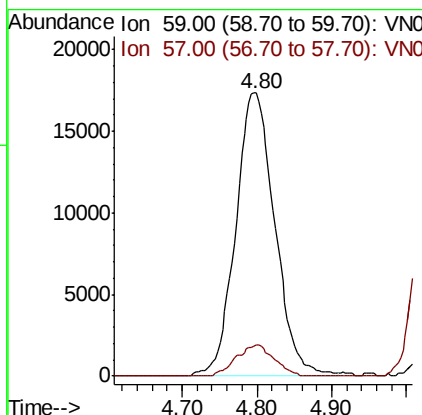
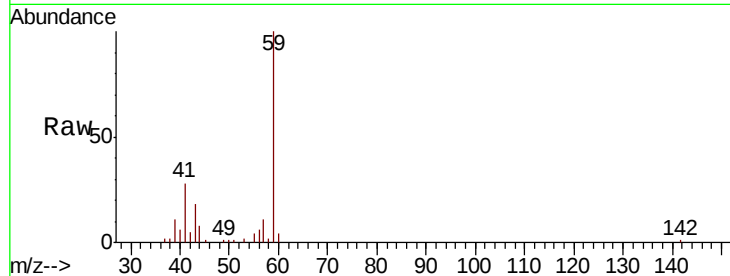
#11
Tert butyl alcohol
Concen: 77.07 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

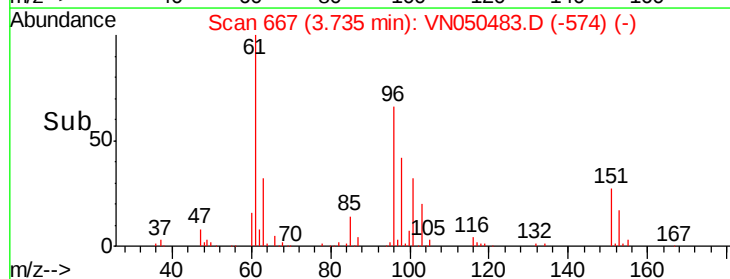
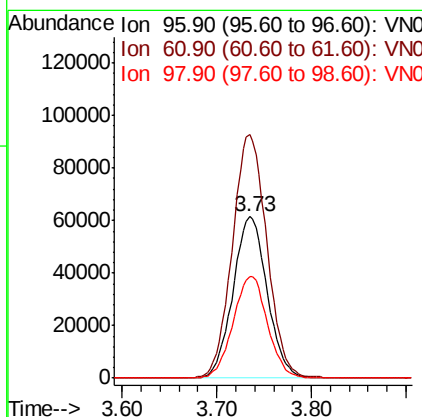
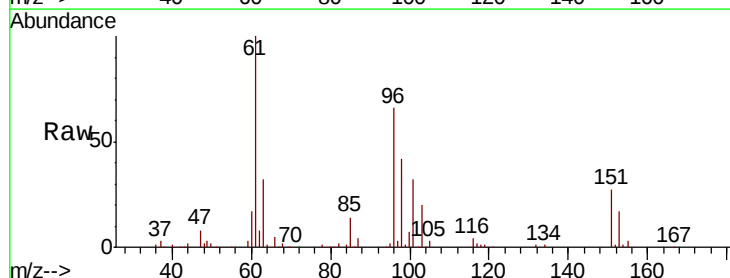
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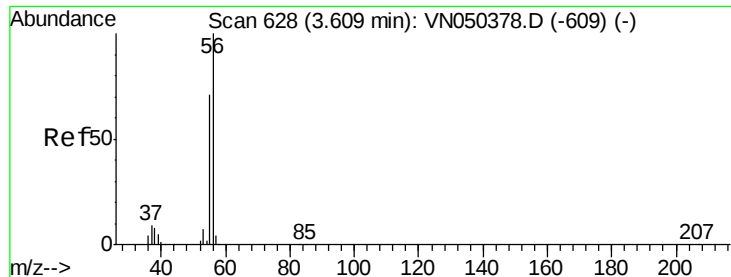
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.75 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	124.4	186.6
98	62.6	48.3	72.5





#13

Acrolein

Concen: 65.45 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion: 56 Resp: 57099

Ion Ratio Lower Upper

56 100

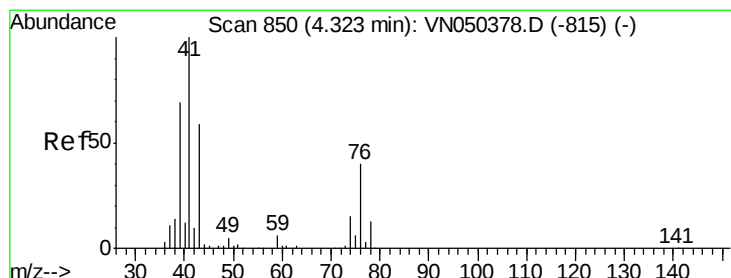
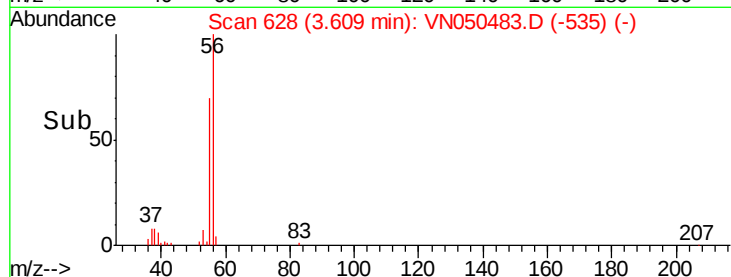
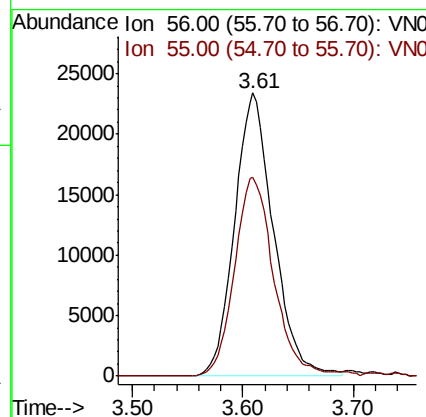
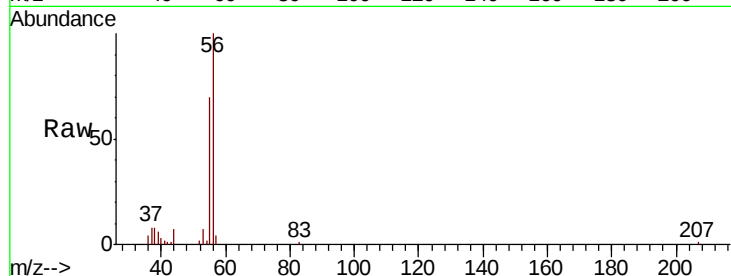
55 70.8 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.49 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

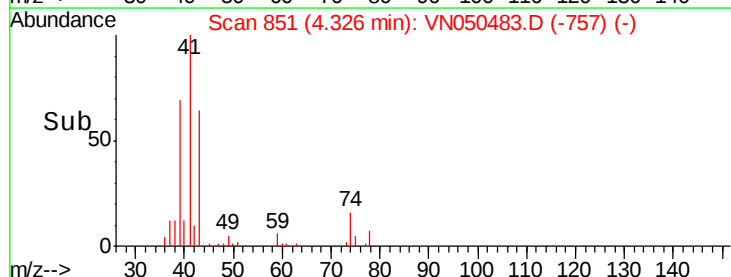
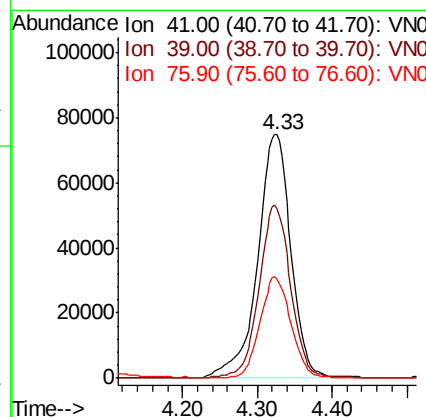
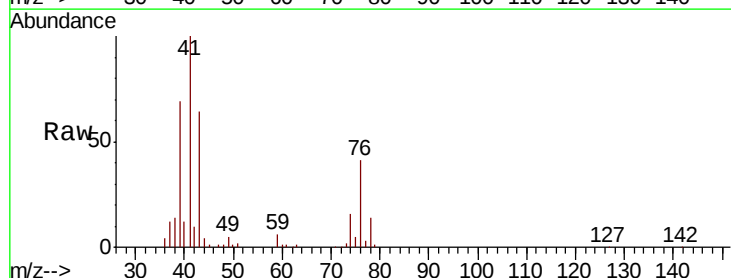
Tgt Ion: 41 Resp: 231410

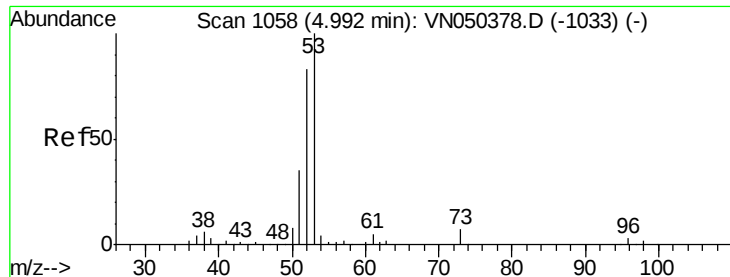
Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

76 38.8 29.0 43.6





#15

Acrylonitrile

Concen: 83.39 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

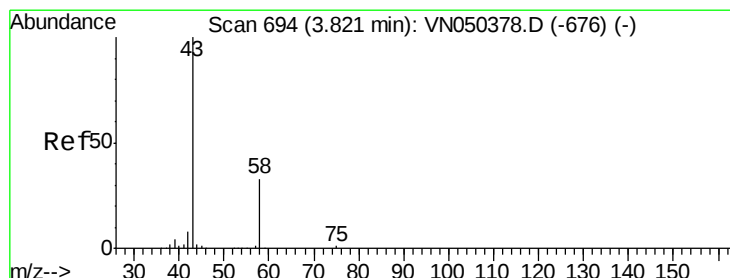
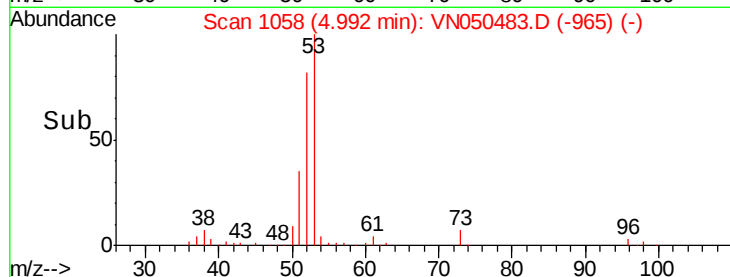
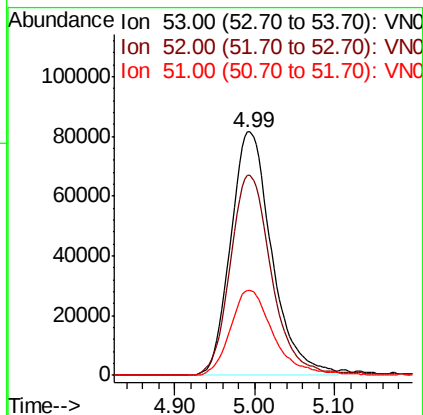
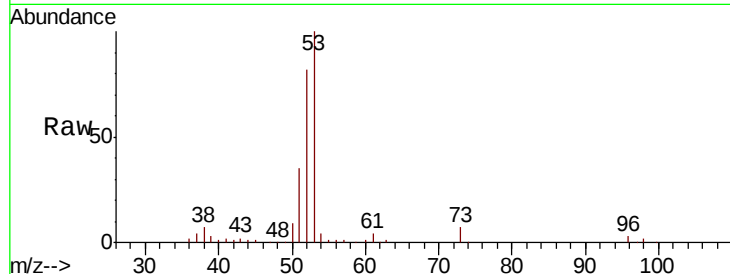
ClientSampleId :

VN0809MBS01

Tot Ion:	53	Resp:	285763
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	36.6	29.3	43.9

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#16

Acetone

Concen: 85.04 ug/l

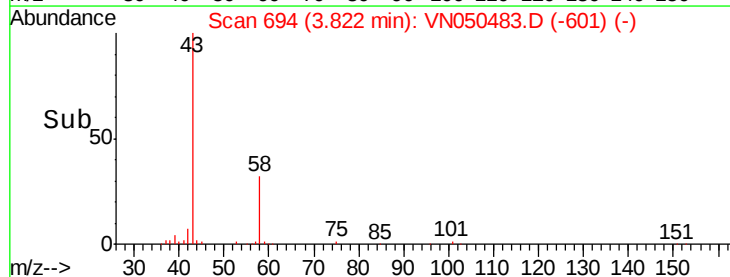
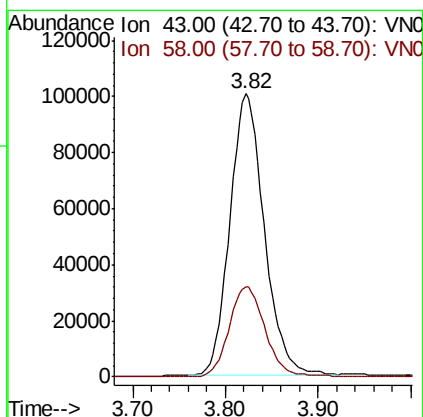
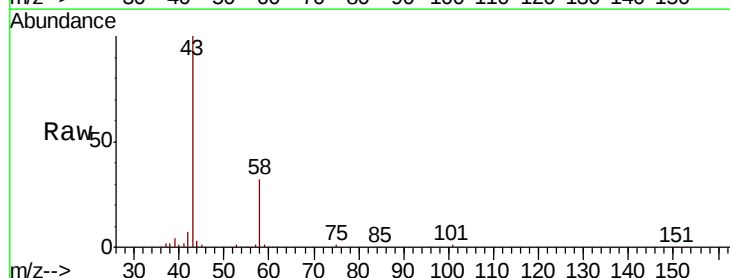
RT: 3.82 min Scan# 694

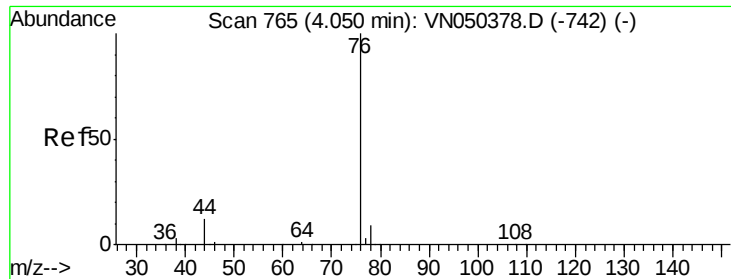
Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion:	43	Resp:	258972
Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.8	38.8





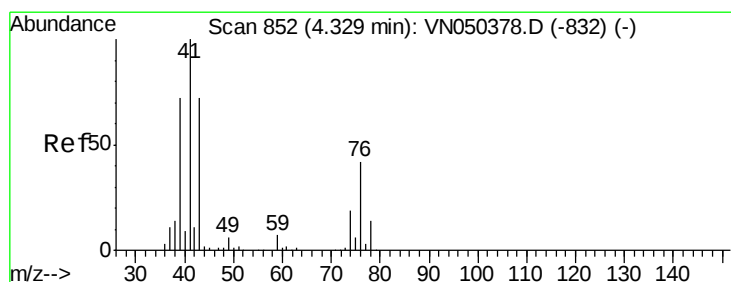
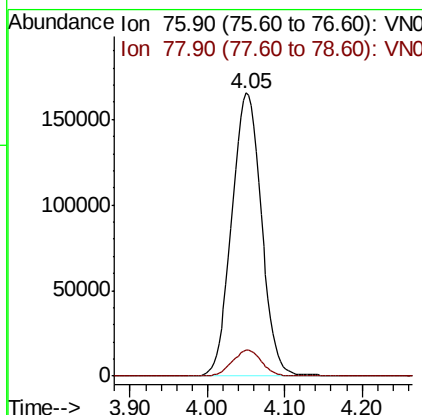
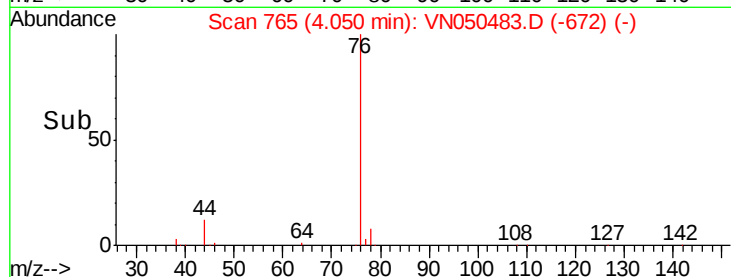
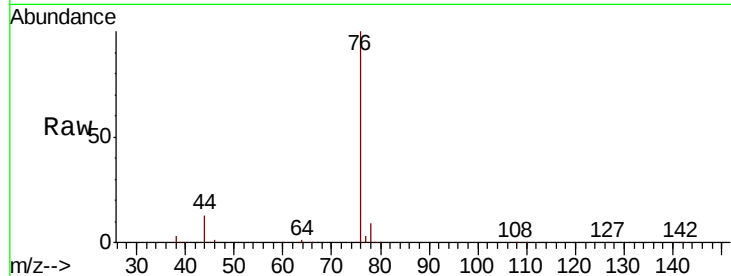
#17
Carbon Disulfide
Concen: 16.43 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

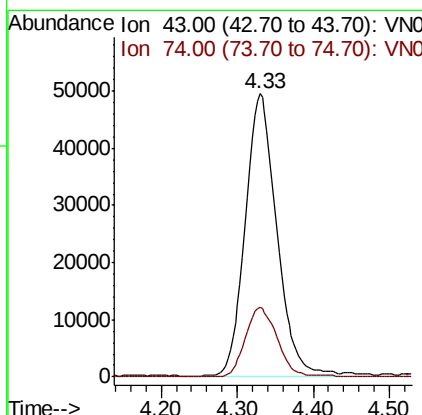
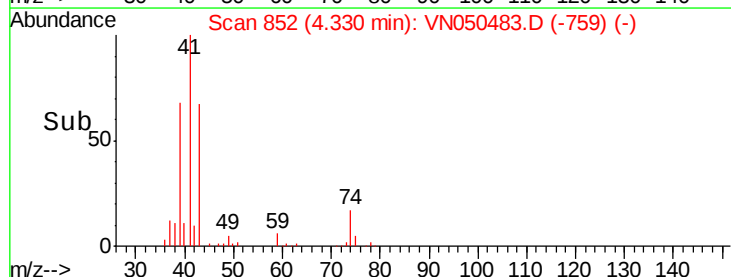
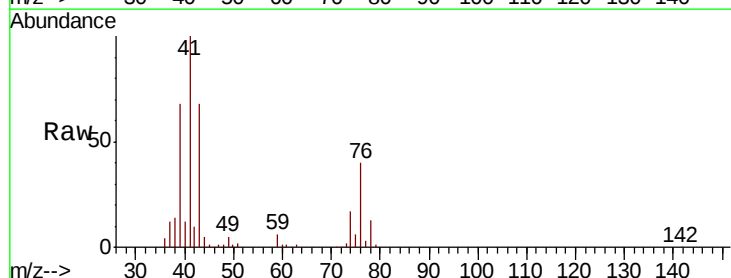
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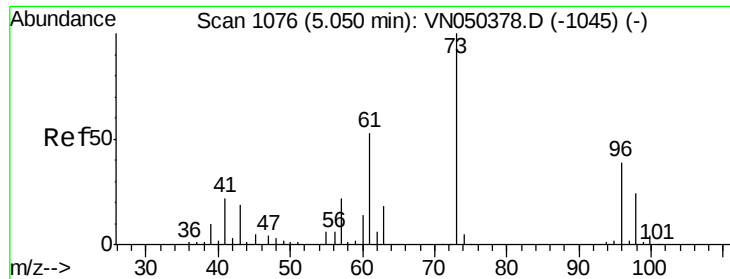
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#18
Methyl Acetate
Concen: 17.91 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.2	28.8





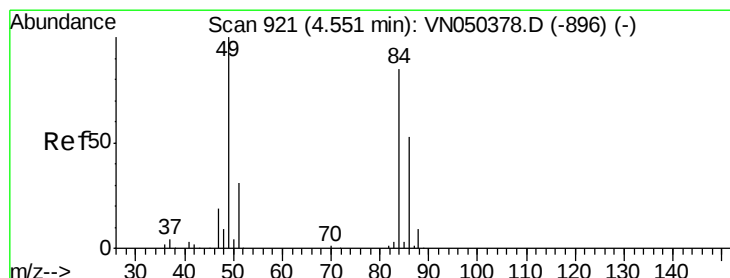
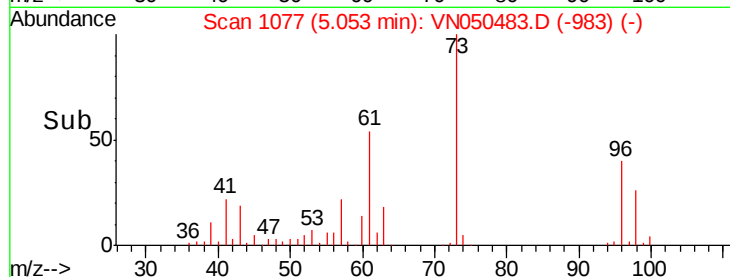
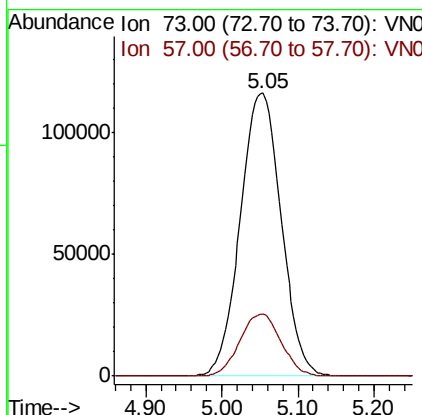
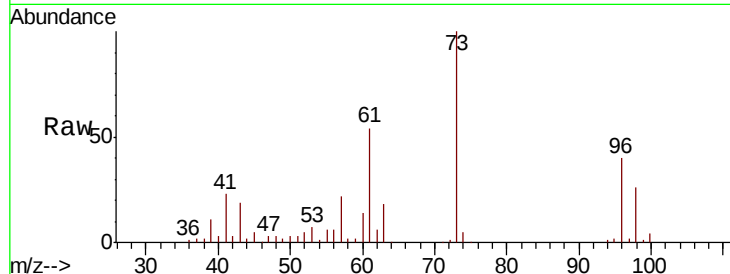
#19
Methyl tert-butyl Ether
Concen: 18.58 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :
VN0809MBSD01

Tot Ion: 73 Resp: 434451
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

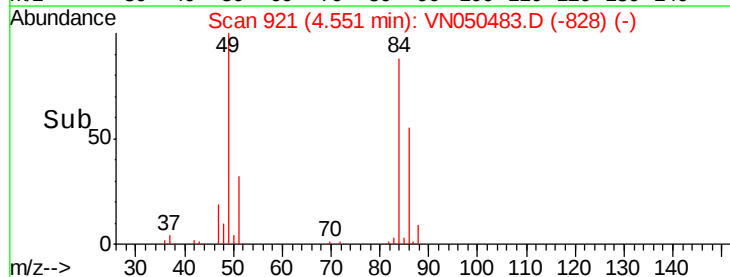
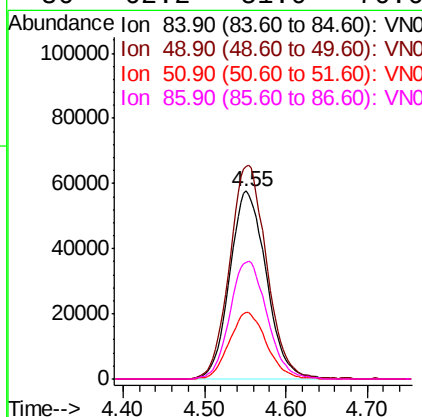
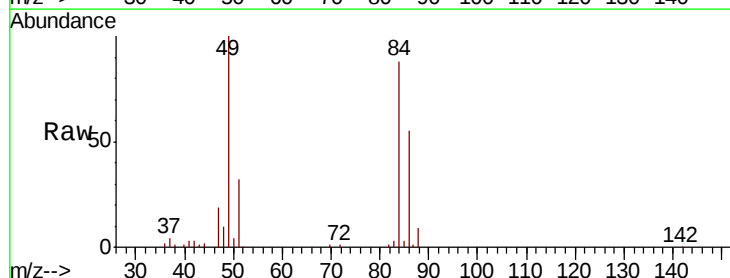
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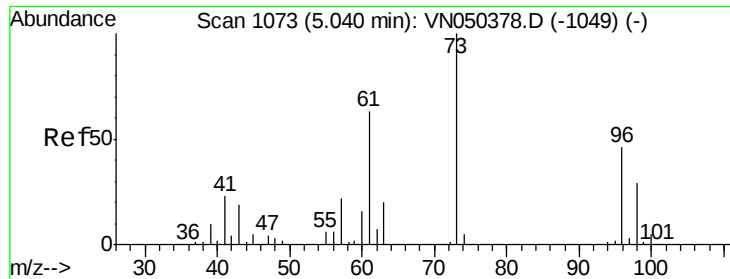
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#20
Methylene Chloride
Concen: 18.39 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 84 Resp: 179883
Ion Ratio Lower Upper
84 100
49 113.2 94.8 142.2
51 35.7 28.3 42.5
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.21 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

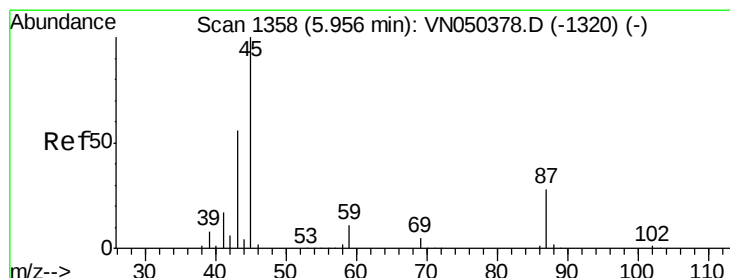
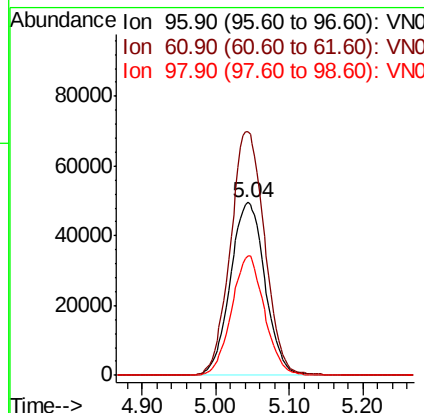
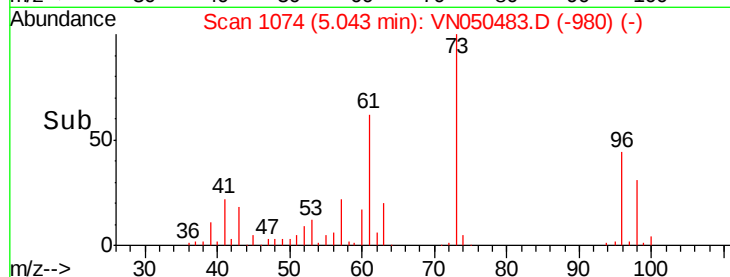
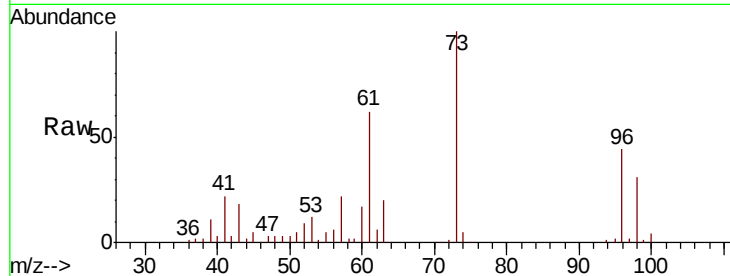
ClientSampled :

VN0809MBSD01

Tot Ion:	96	Resp:	162368
Ion	Ratio	Lower	Upper
96	100		
61	141.0	110.7	166.1
98	69.5	51.6	77.4

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#22

Diisopropyl ether

Concen: 19.29 ug/l

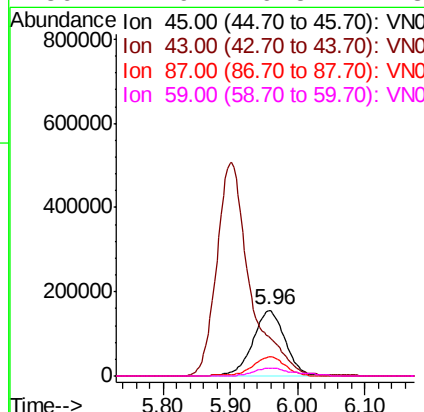
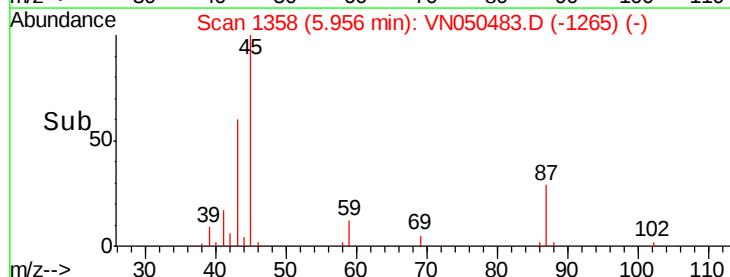
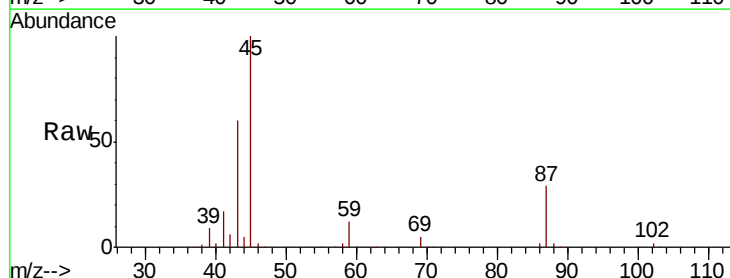
RT: 5.96 min Scan# 1358

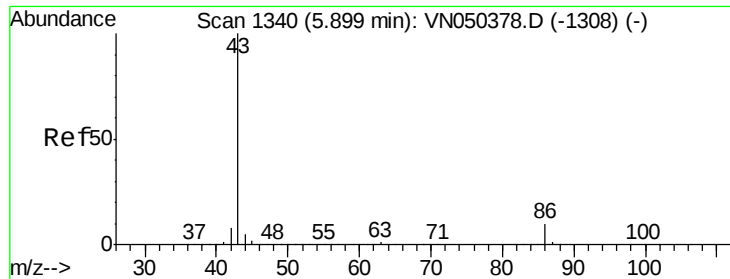
Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion:	45	Resp:	521479
Ion	Ratio	Lower	Upper
45	100		
43	58.5	45.7	68.5
87	29.1	22.7	34.1
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 90.81 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion: 43 Resp: 1751425

Ion Ratio Lower Upper

43 100

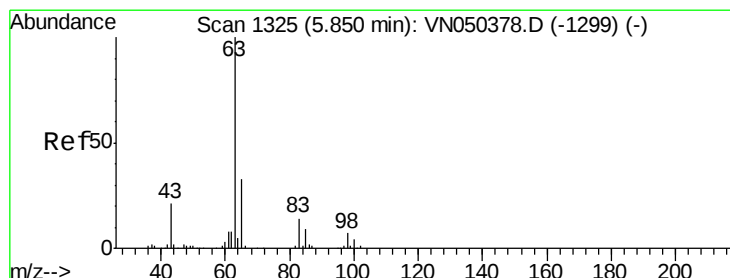
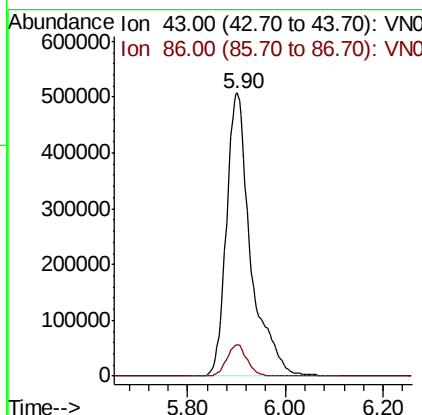
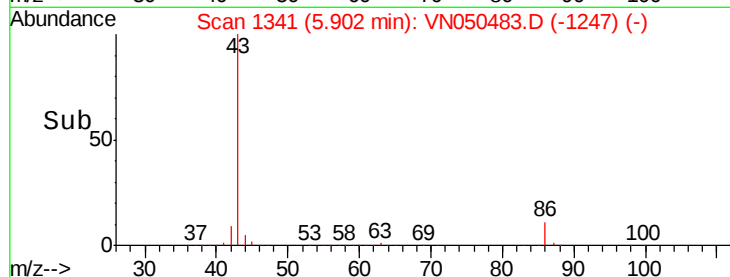
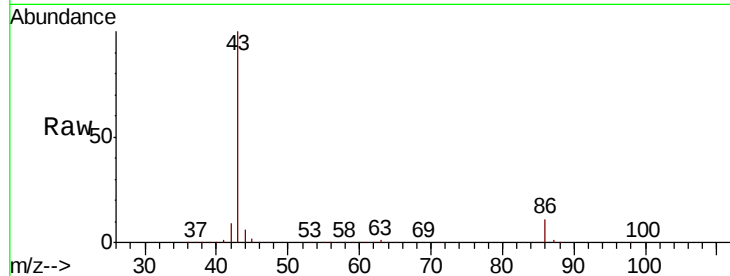
86 11.1 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.37 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

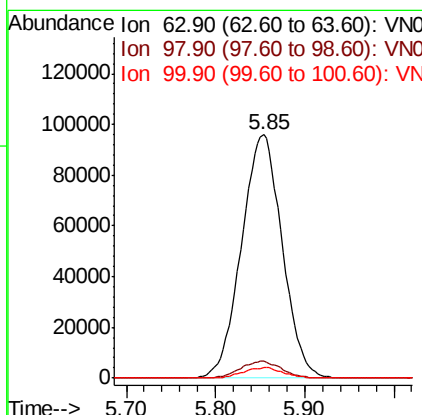
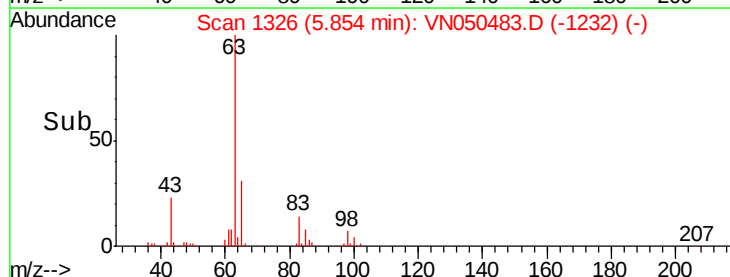
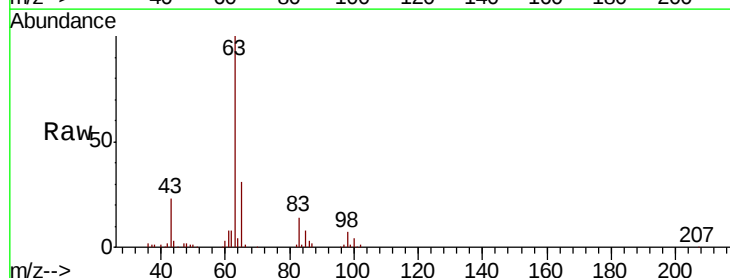
Tgt Ion: 63 Resp: 304695

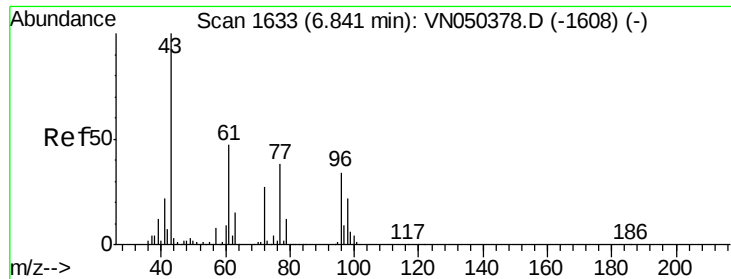
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.3 2.1 6.3





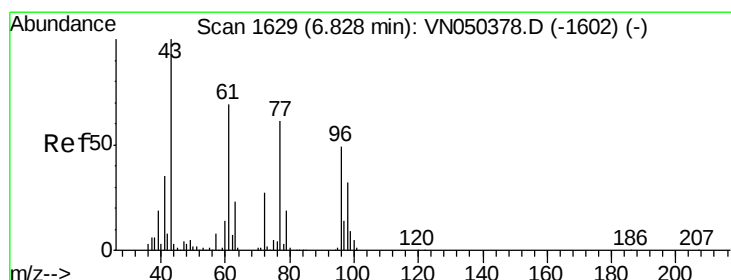
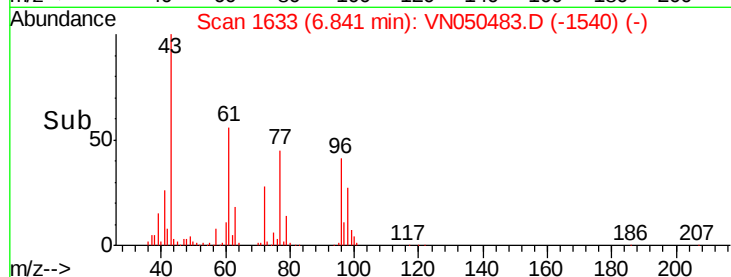
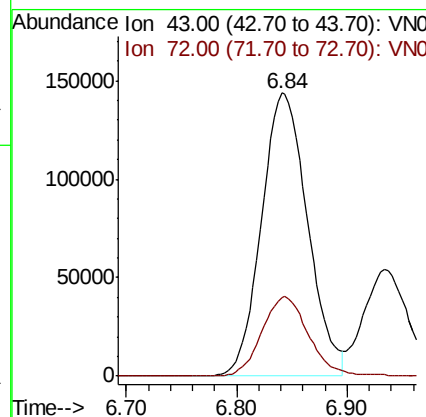
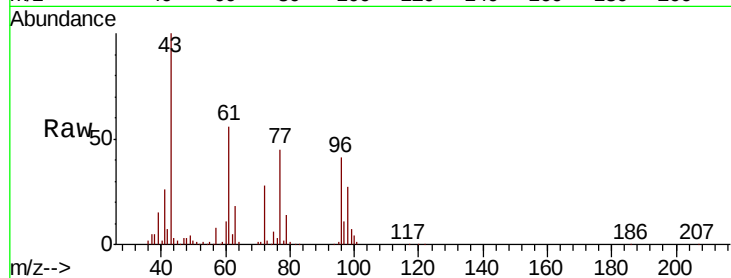
#25
2-Butanone
Concen: 82.23 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion: 43 Resp: 414964
Ion Ratio Lower Upper
43 100
72 27.7 21.5 32.3

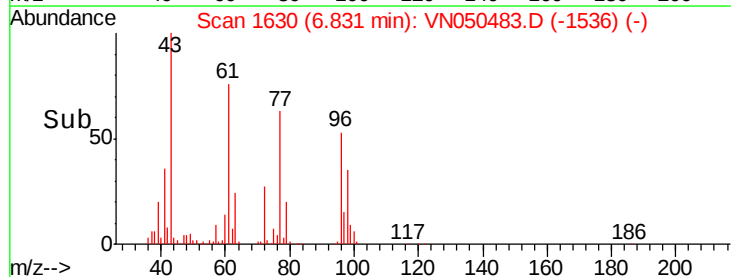
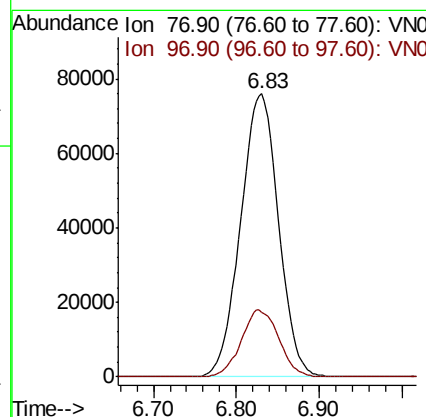
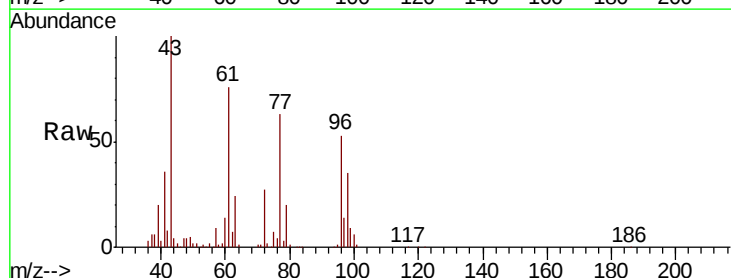
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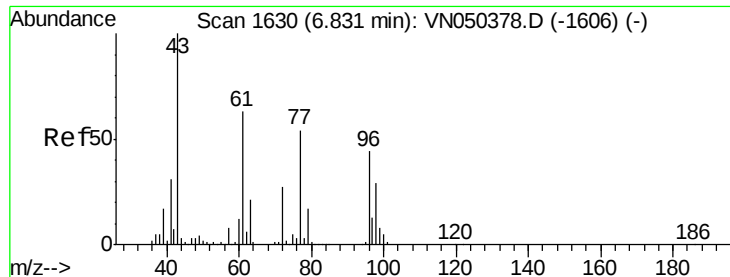
MMDadoda
8/10/2018 10:52:49 AM



#26
2,2-Dichloropropane
Concen: 17.63 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 77 Resp: 241055
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.97 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050483.D

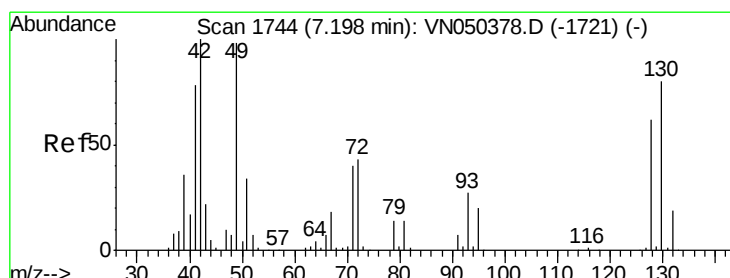
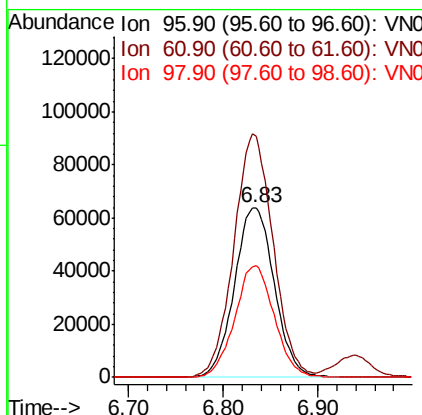
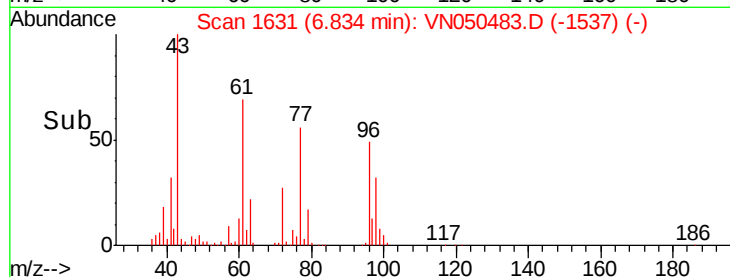
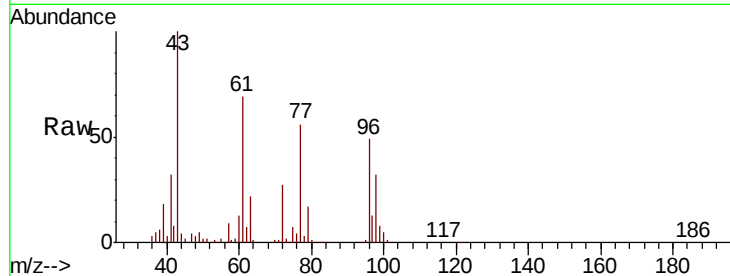
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	187439		
61	141.0	0.0	285.0	
98	65.1	0.0	129.2	

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#28

Bromochloromethane

Concen: 18.38 ug/l

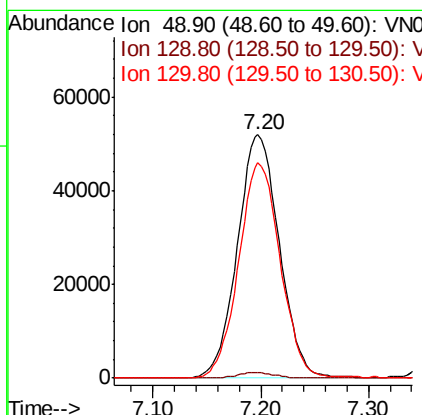
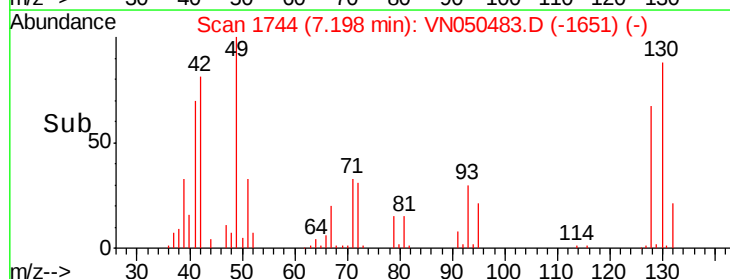
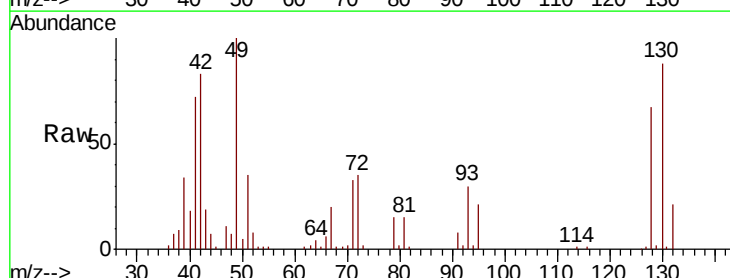
RT: 7.20 min Scan# 1744

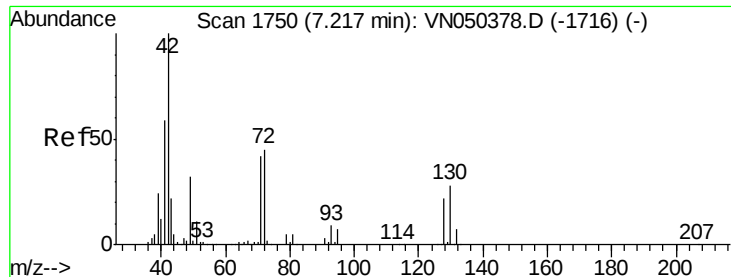
Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	140321		
129	2.0	0.0	4.0	
130	87.4	66.3	99.5	





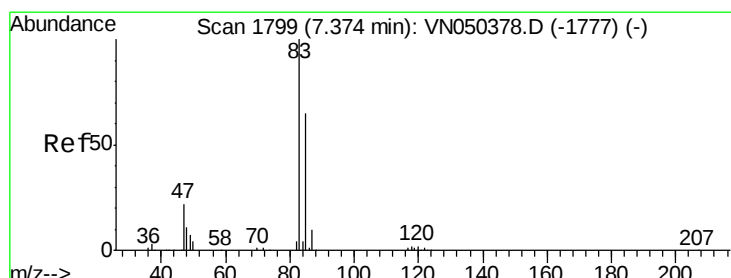
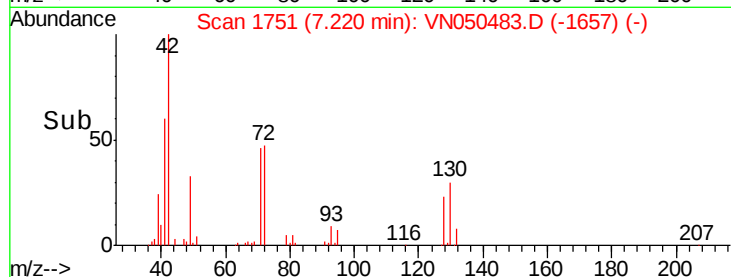
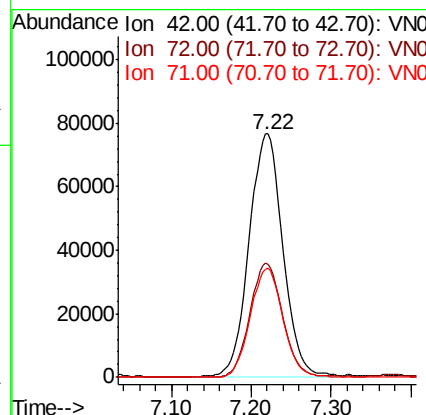
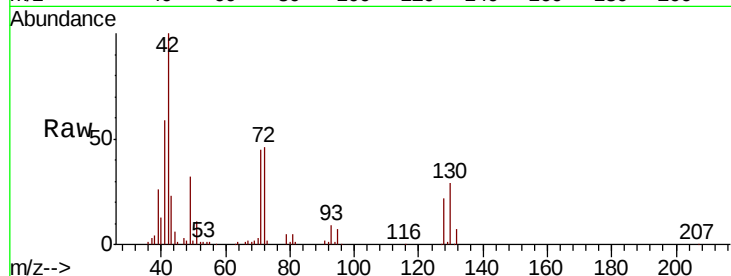
#29
Tetrahydrofuran
Concen: 81.32 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.9	53.9
71	43.5	33.7	50.5

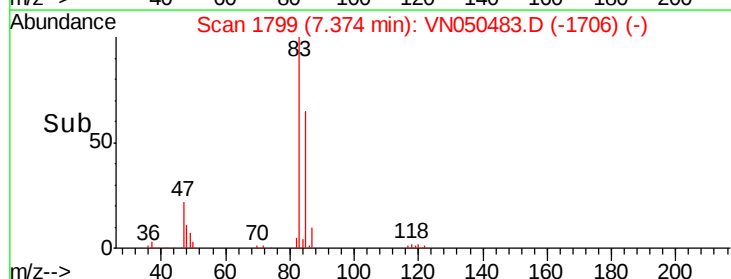
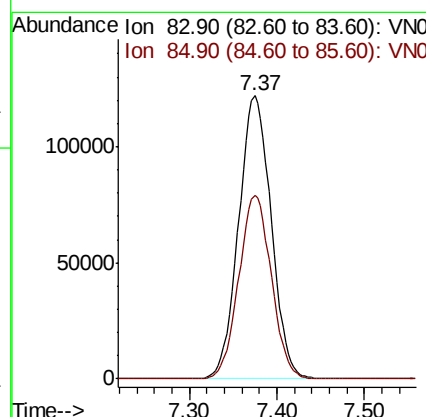
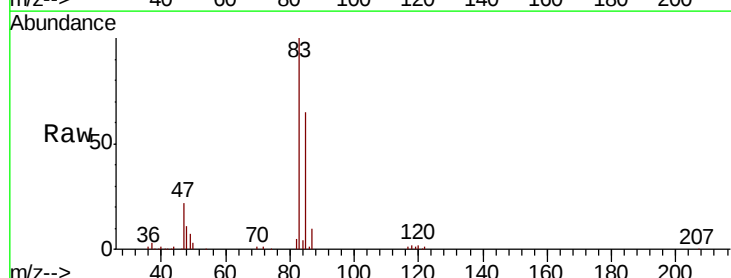
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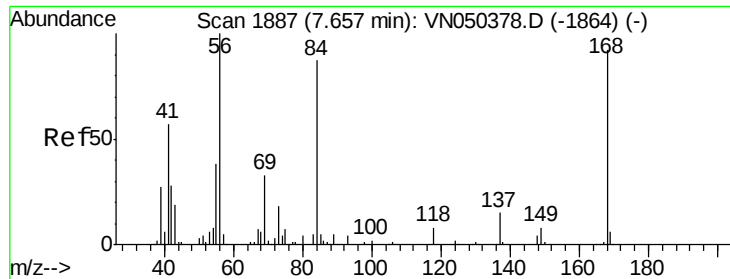
MMDadoda
8/10/2018 10:52:49 AM



#30
Chloroform
Concen: 19.02 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





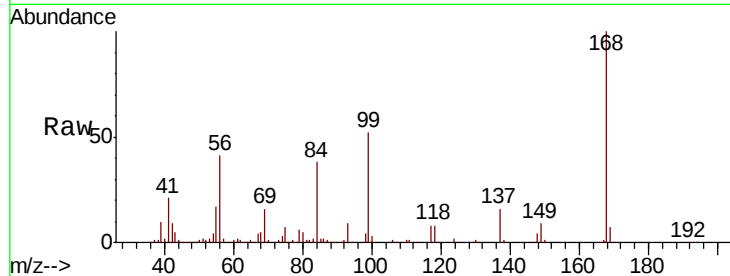
#31
Cyclohexane
Concen: 18.00 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

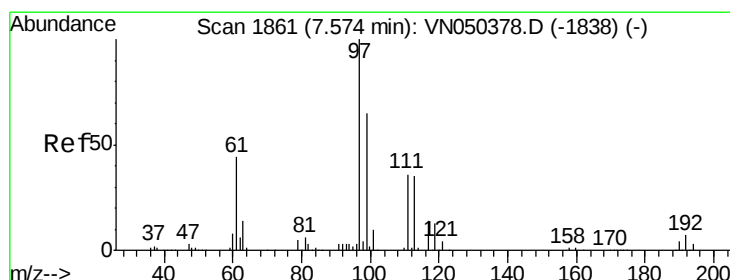
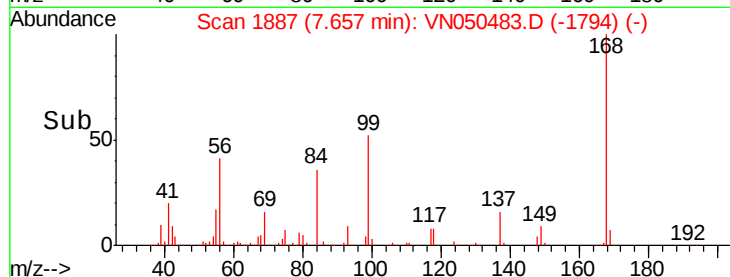
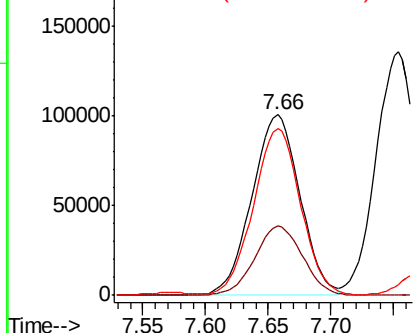
Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.2	39.4
84	91.4	67.4	101.0

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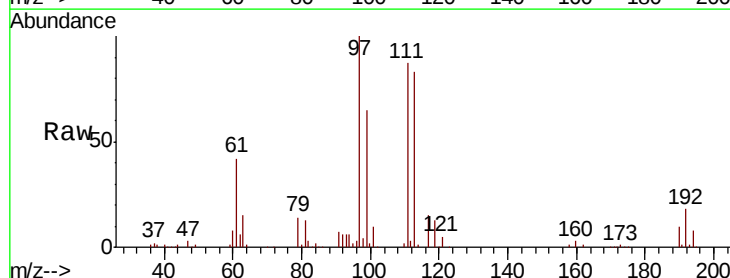


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

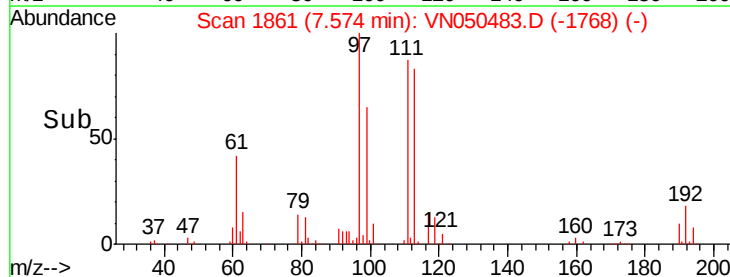
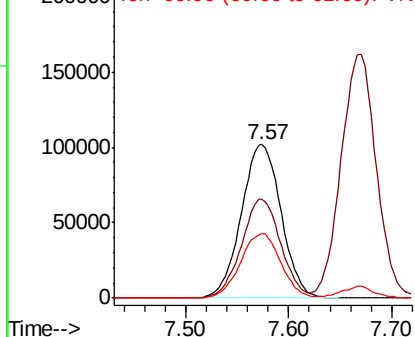


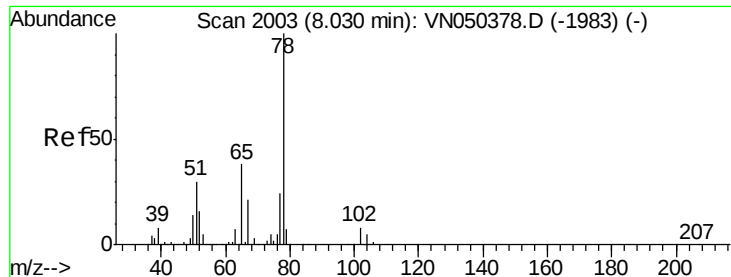
#32
1,1,1-Trichloroethane
Concen: 19.20 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	42.5	35.4	53.0



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





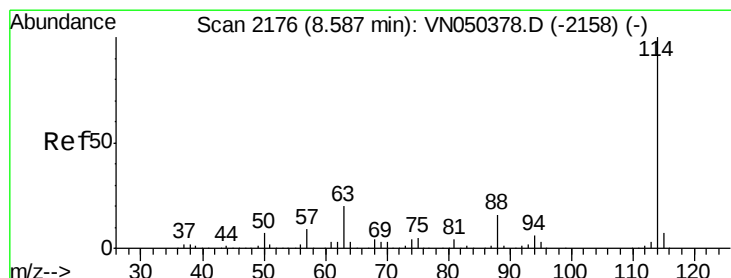
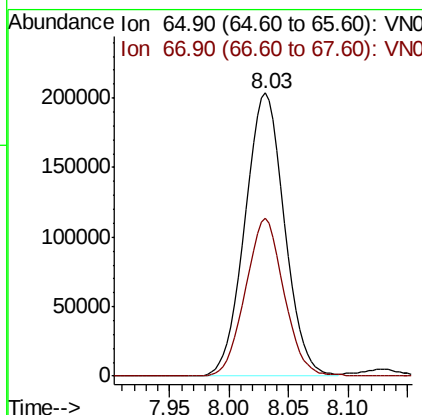
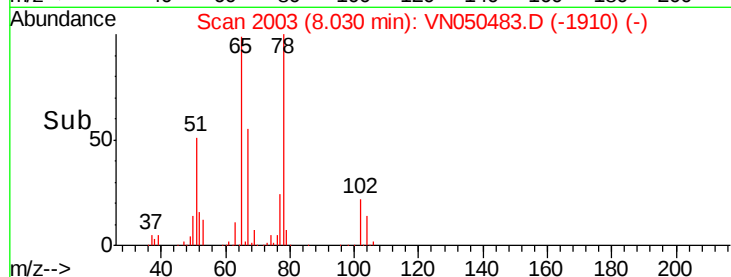
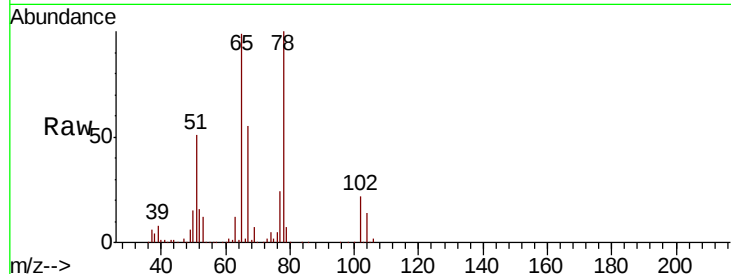
#33
 1,2-Dichloroethane-d4
 Concen: 46.07 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	469136		
67	54.2	0.0	108.4	

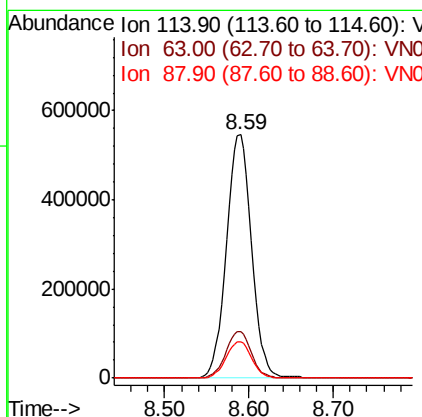
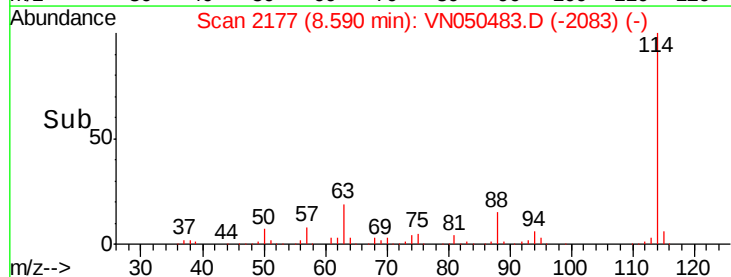
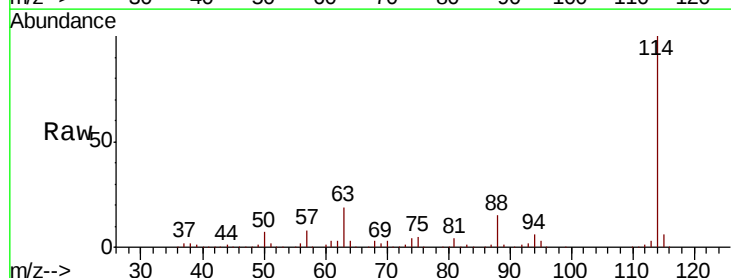
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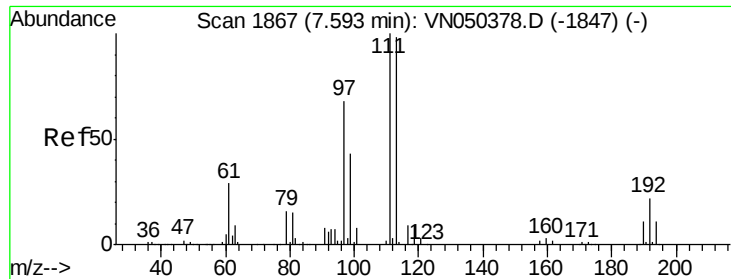
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 8/10/2018 10:52:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1130403		
63	19.0	0.0	40.0	
88	15.0	0.0	31.2	





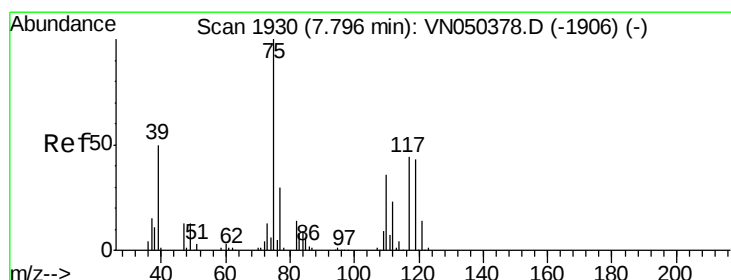
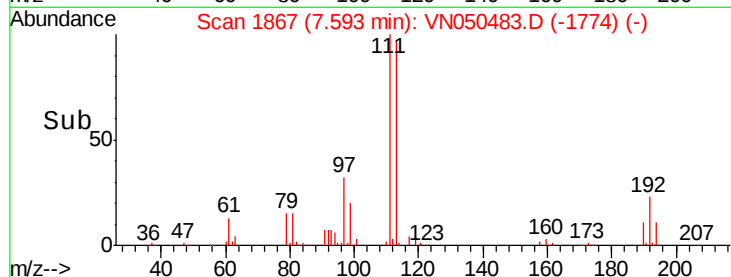
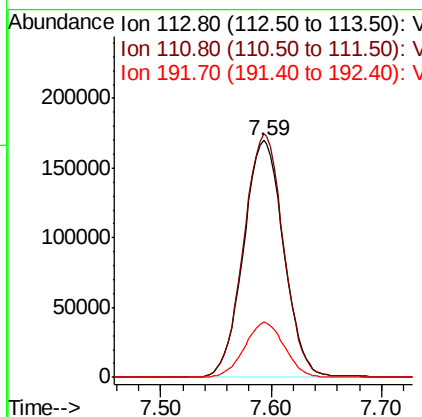
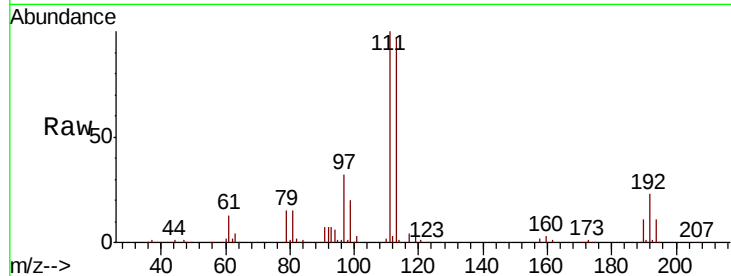
#35
 Dibromofluoromethane
 Concen: 47.21 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	80.7	121.1	
192	23.1	17.8	26.6	

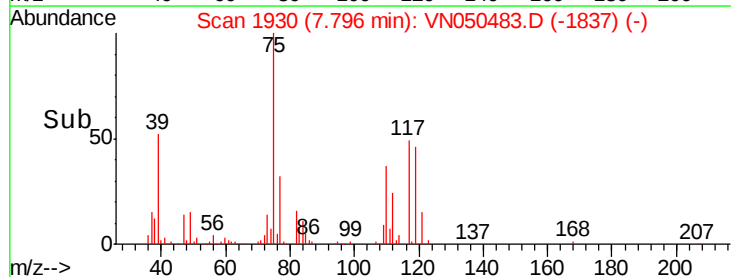
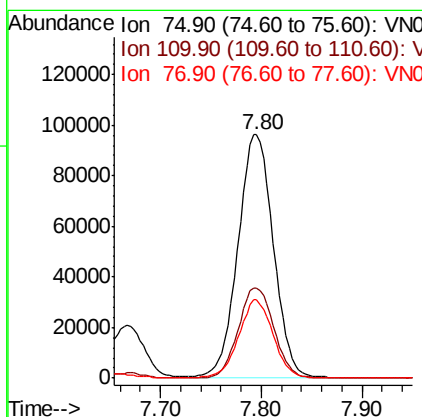
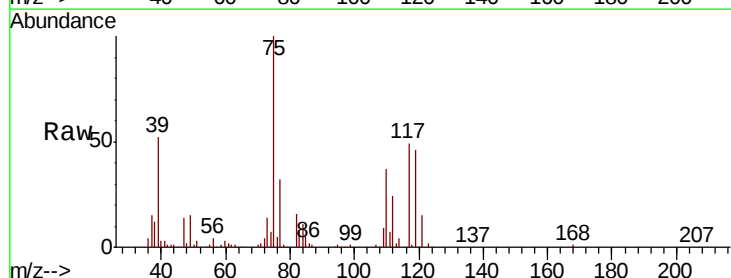
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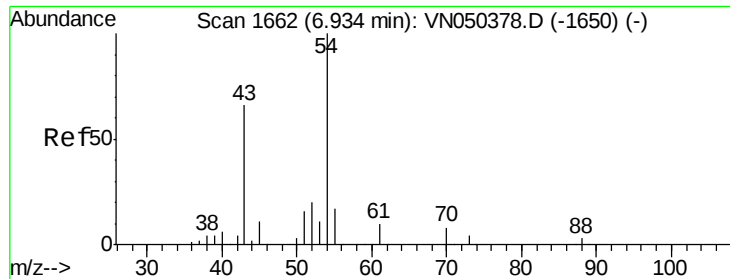
MMDadoda
 8/10/2018 10:52:49 AM



#36
 1,1-Dichloropropene
 Concen: 18.79 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.2	18.4	55.2	
77	31.5	25.3	37.9	





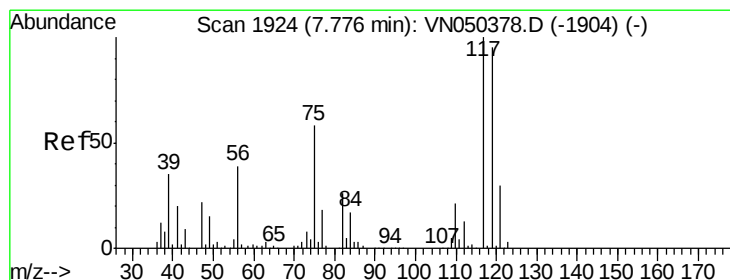
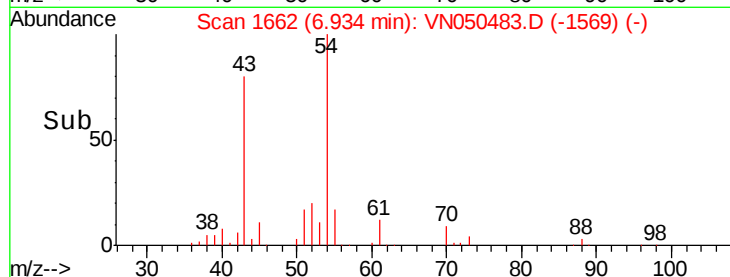
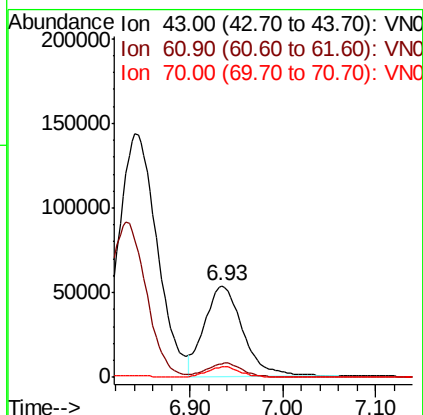
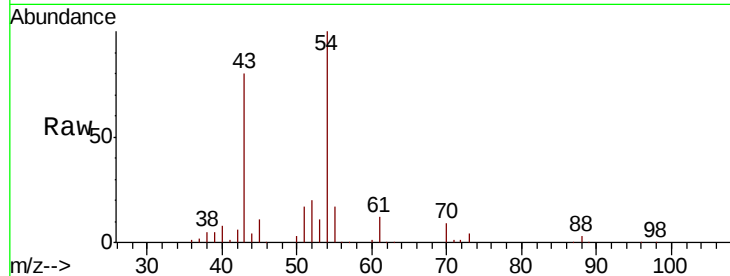
#37
Ethyl Acetate
Concen: 17.20 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	10.7	8.4	12.6

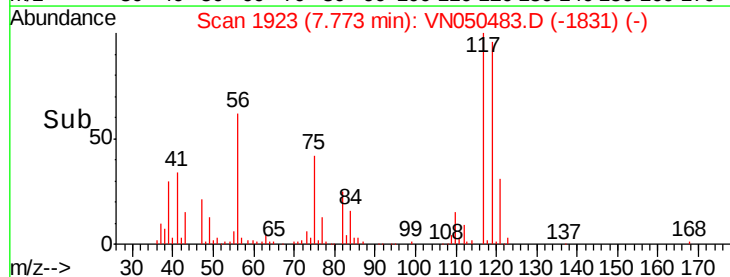
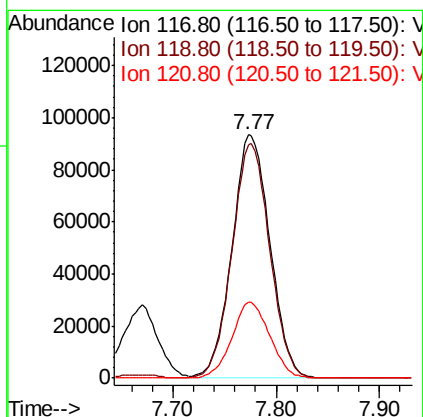
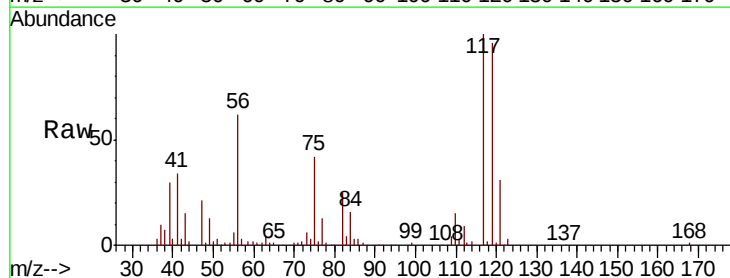
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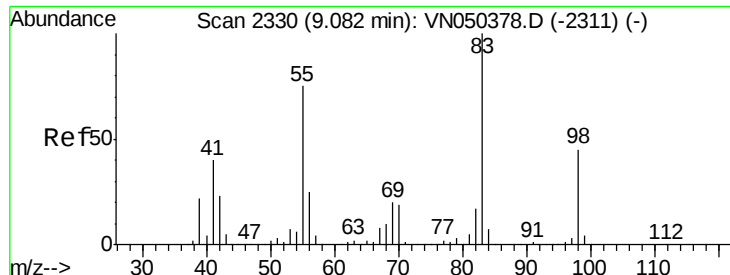
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.47 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.4	116.0
121	31.4	23.9	35.9





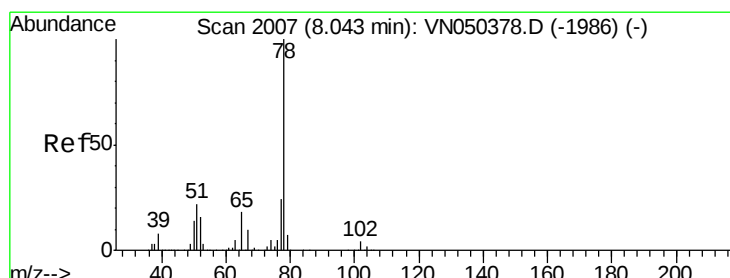
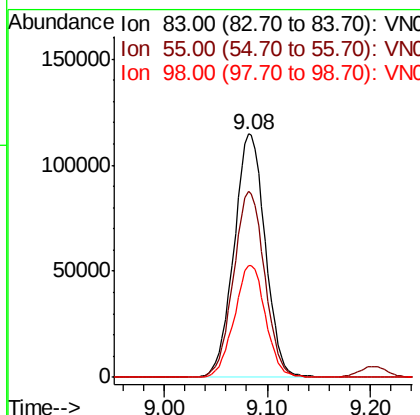
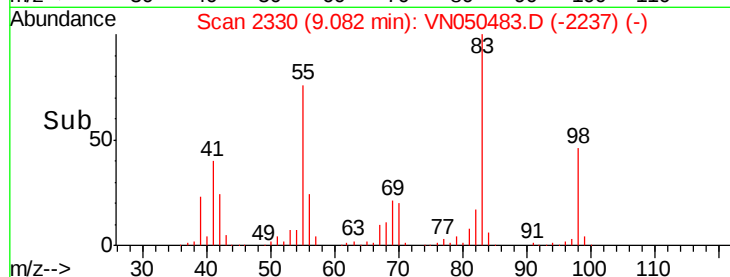
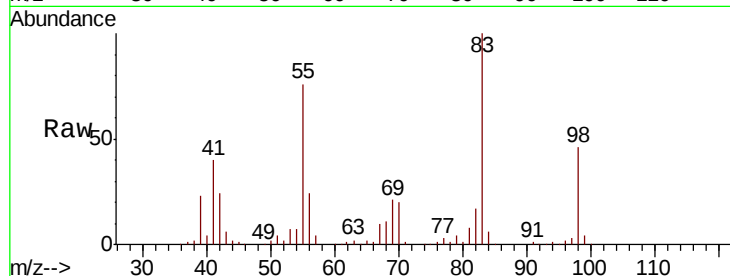
#39
Methvlcvclohexane
Concen: 17.85 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	61.8	92.8
98	45.7	36.5	54.7

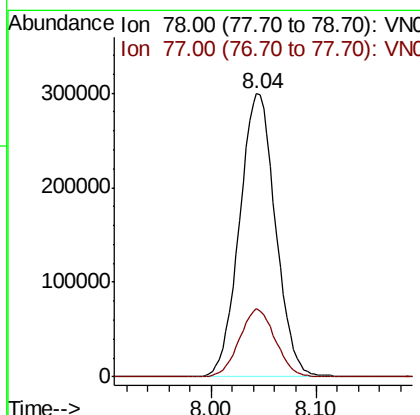
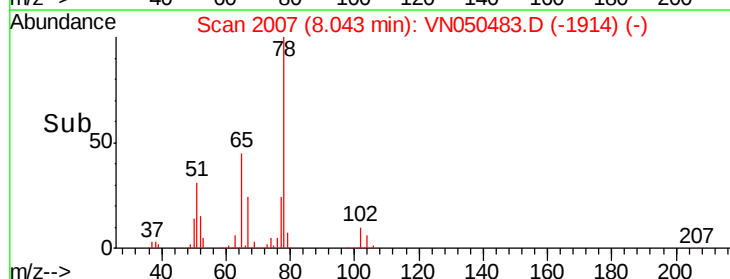
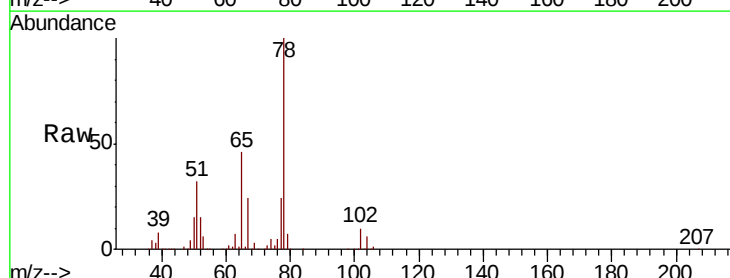
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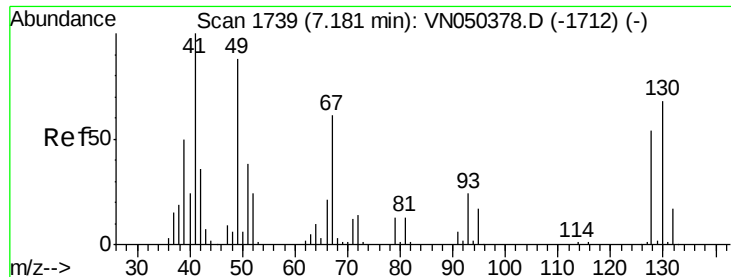
MMDadoda
8/10/2018 10:52:49 AM



#40
Benzene
Concen: 18.60 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





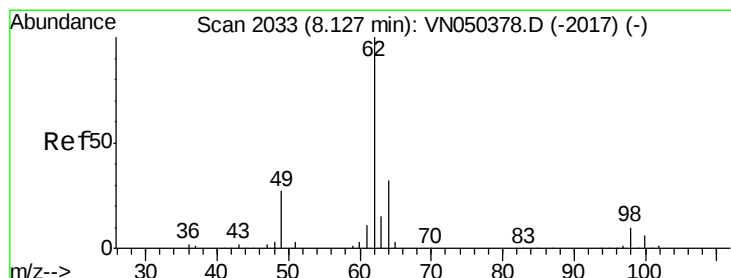
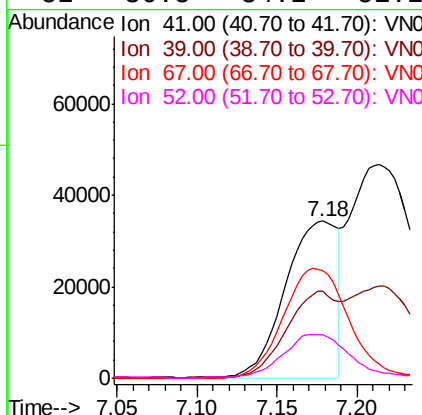
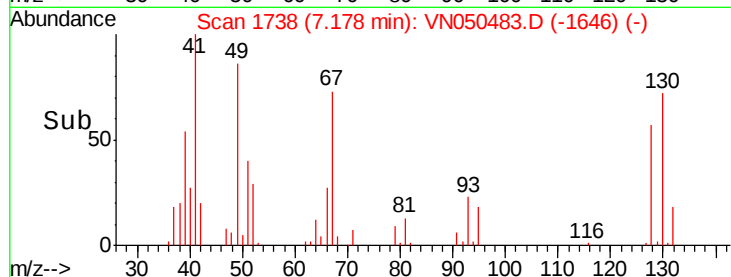
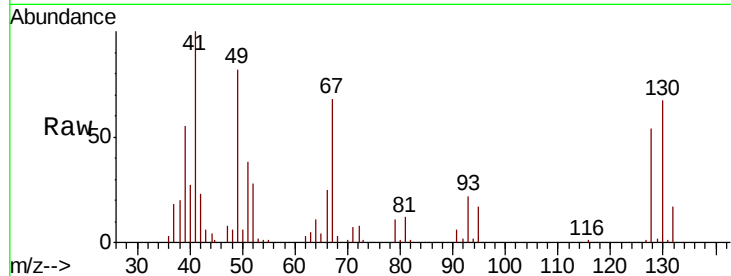
#41
Methacrylonitrile
Concen: 16.42 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	55.8	83.6#
67	88.1	84.3	126.5
52	36.5	34.2	51.2

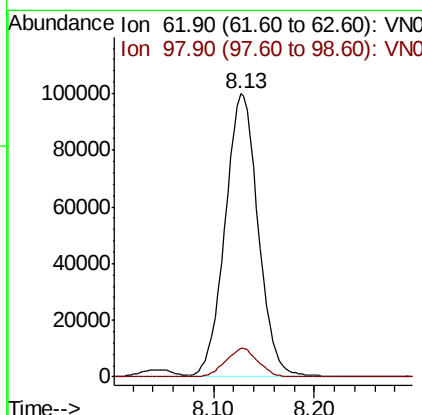
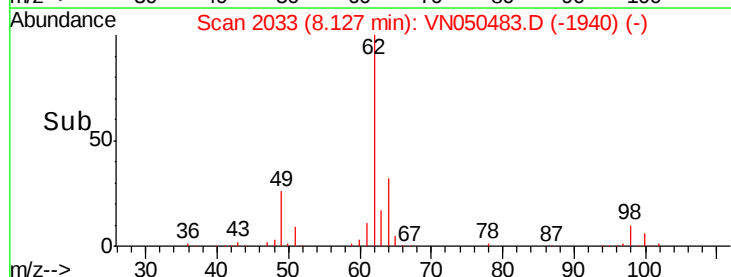
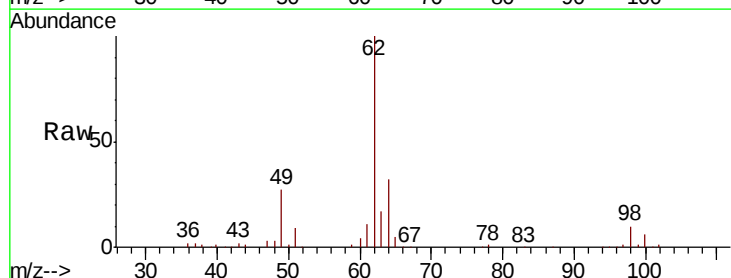
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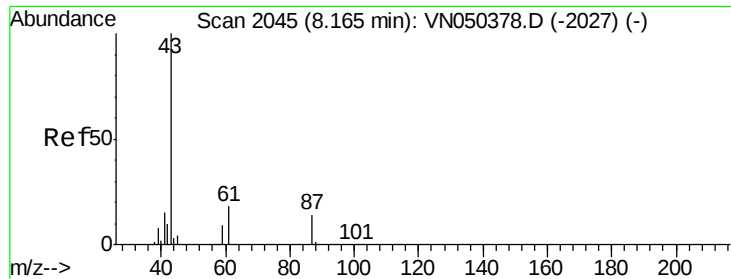
MMDadoda
8/10/2018 10:52:49 AM



#42
1,2-Dichloroethane
Concen: 18.73 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.8





#43

Isopropyl Acetate

Concen: 17.79 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

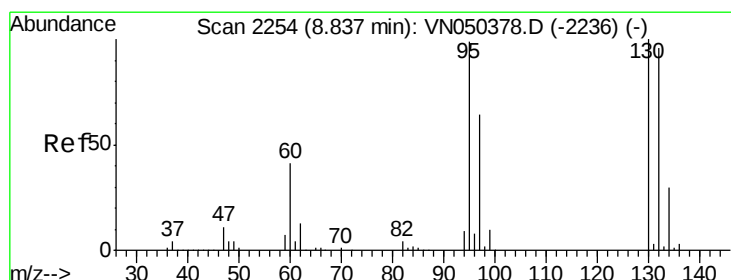
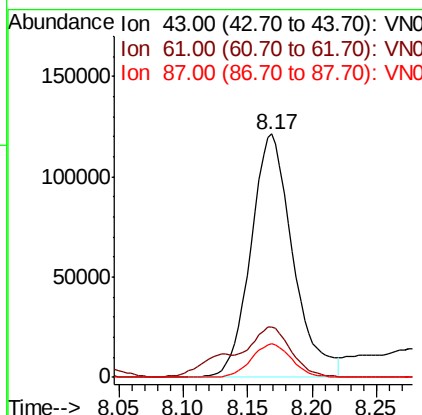
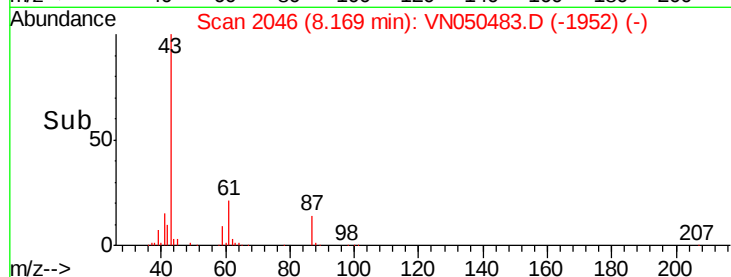
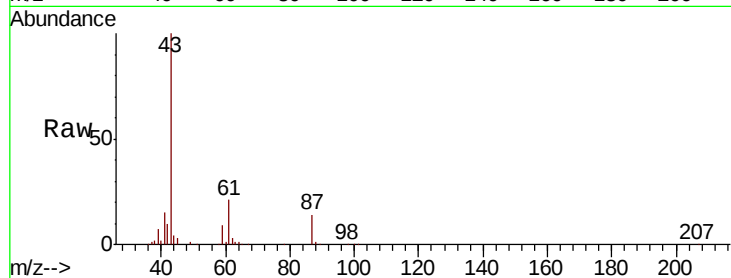
ClientSampleId :

VN0809MBS01

Tot Ion:	43	Resp:	274668
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.6
87	13.4	10.3	15.5

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8/10/2018 10:52:49 AM



#44

Trichloroethene

Concen: 18.77 ug/l

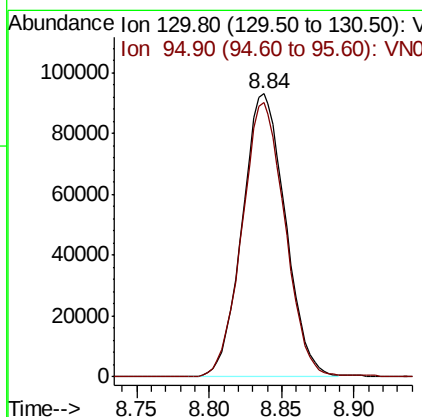
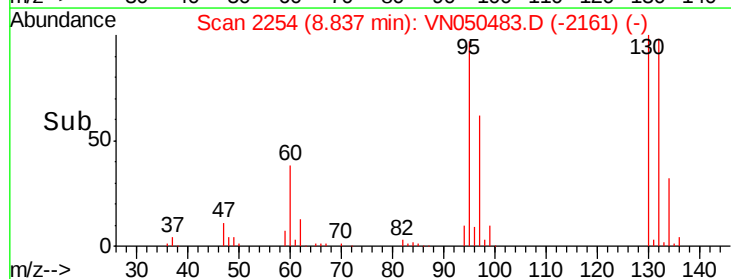
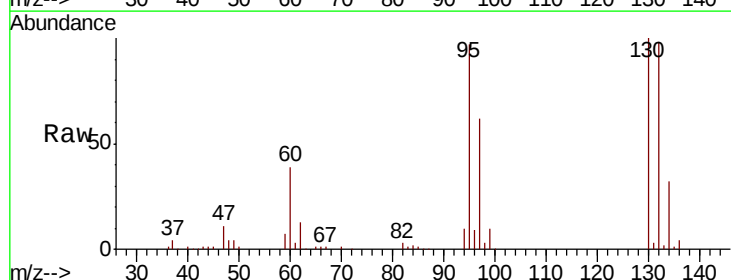
RT: 8.84 min Scan# 2254

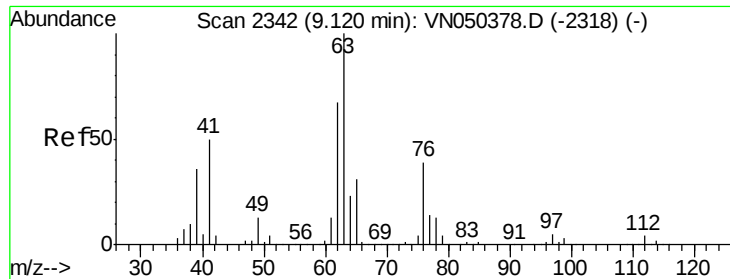
Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion:	130	Resp:	192579
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	194.6





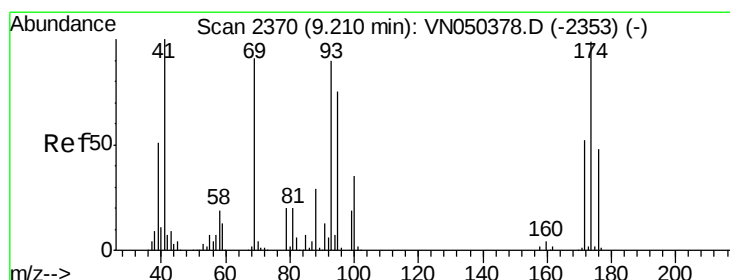
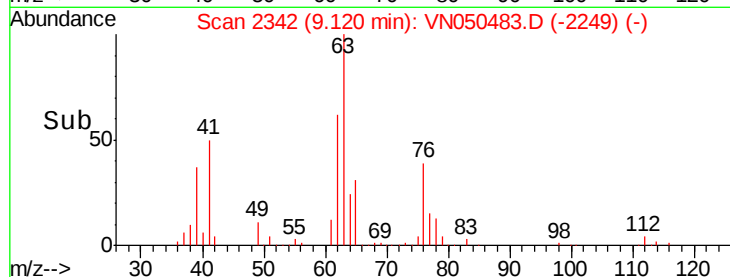
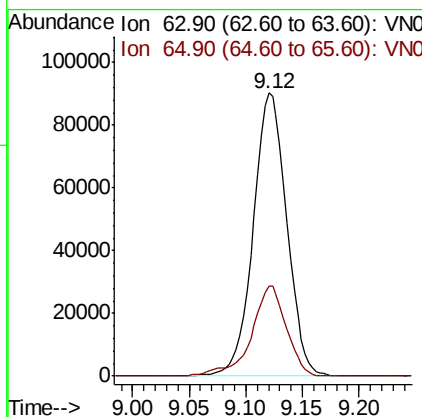
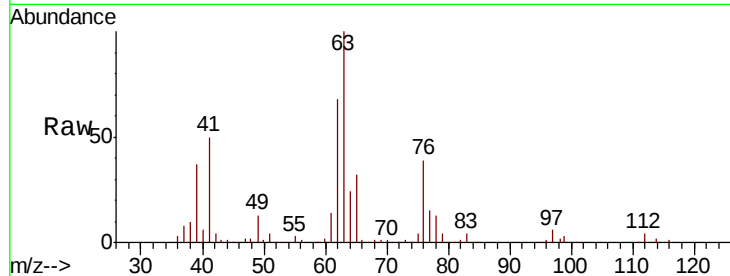
#45
 1,2-Dichloropropane
 Concen: 18.50 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion: 63 Resp: 185694
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.5 38.3

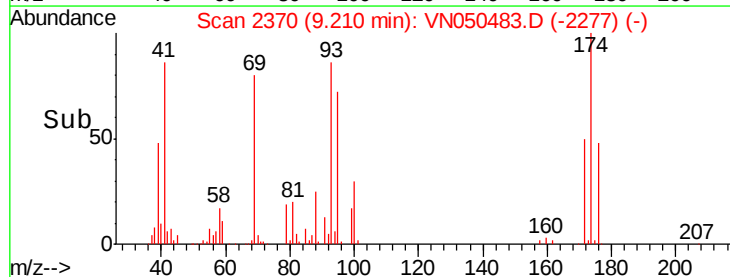
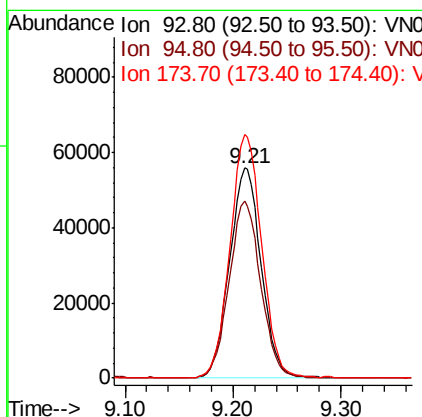
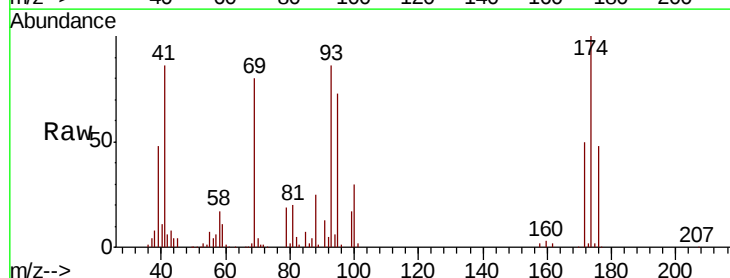
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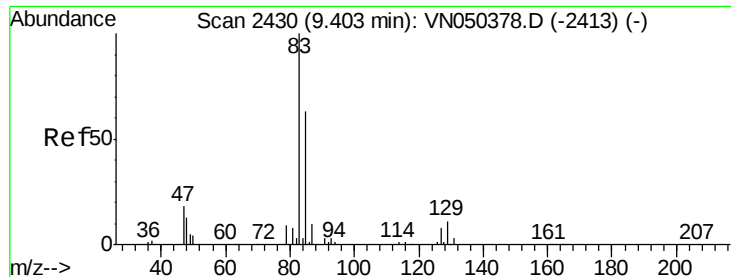
MMDadoda
 8/10/2018 10:52:49 AM



#46
 Dibromomethane
 Concen: 18.43 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion: 93 Resp: 114270
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 115.9 87.1 130.7





#47

Bromodichloromethane

Concen: 18.55 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

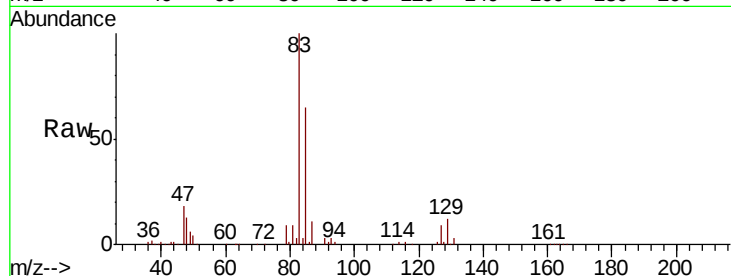
ClientSampleId :

VN0809MBSD01

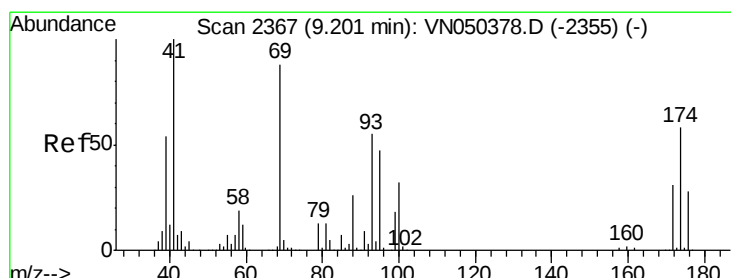
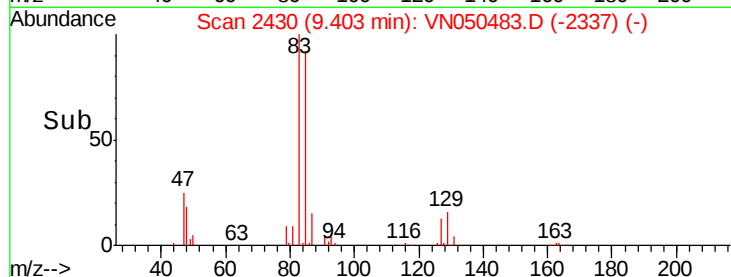
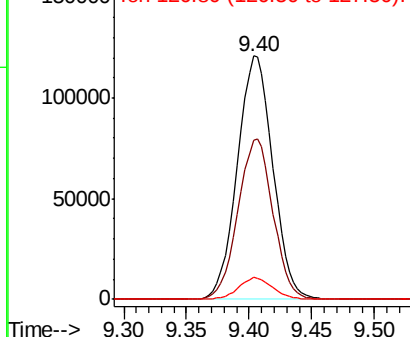
Tot Ion:	83	Resp:	238214
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.1	76.7
127	9.0	7.0	10.4

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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: 16.93 ug/l

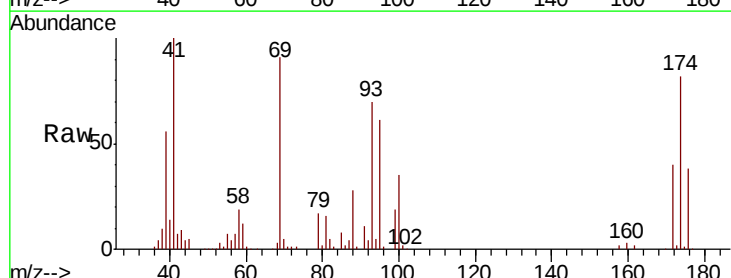
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

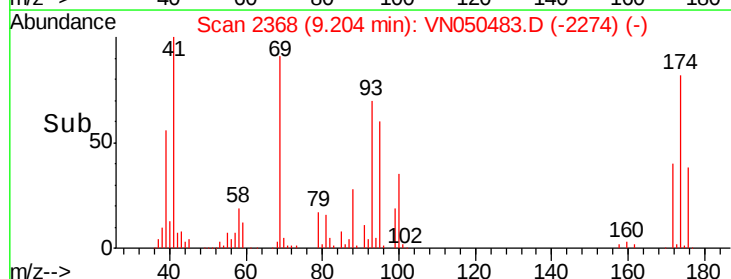
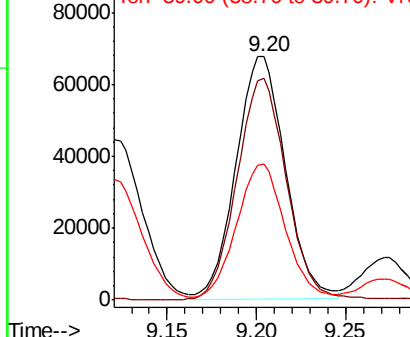
Lab File: VN050483.D

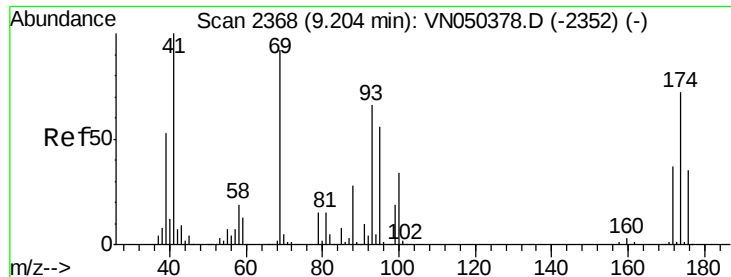
Acq: 9 Aug 2018 14:12

Tgt Ion:	41	Resp:	130985
Ion Ratio	Lower	Upper	
41	100		
69	91.5	70.6	105.8
39	55.5	43.9	65.9



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: 320.36 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

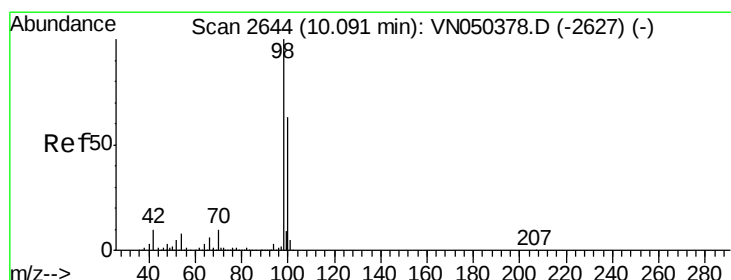
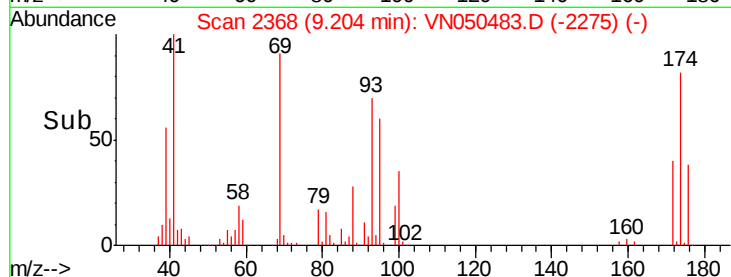
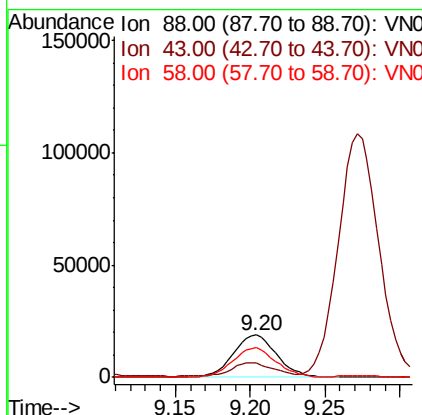
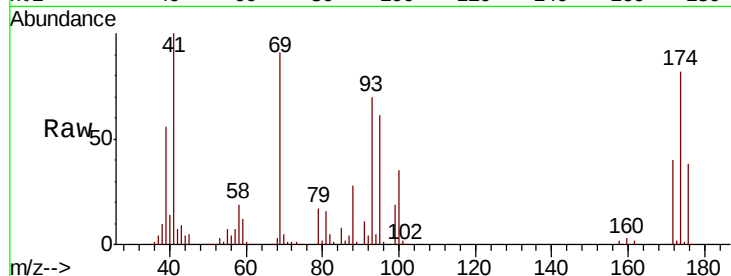
ClientSampleId :

VN0809MBSD01

Tot Ion:	88	Resp:	38215
Ion	Ratio	Lower	Upper
88	100		
43	31.5	26.9	40.3
58	69.9	57.3	85.9

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#50

Toluene-d8

Concen: 46.72 ug/l

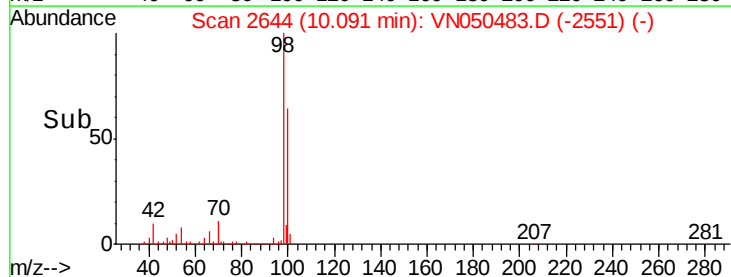
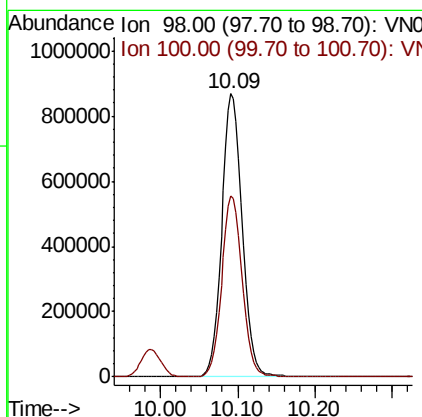
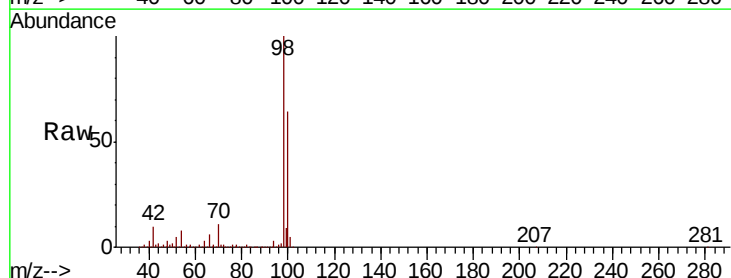
RT: 10.09 min Scan# 2644

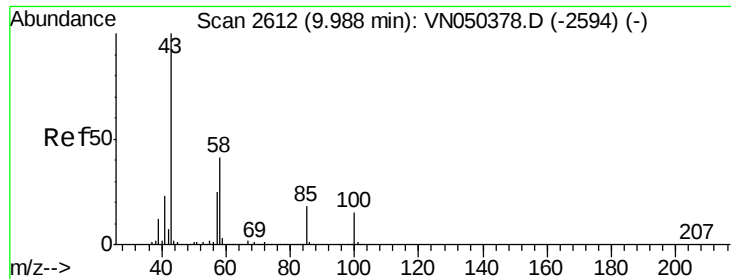
Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion:	98	Resp:	1593282
Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.7	76.1





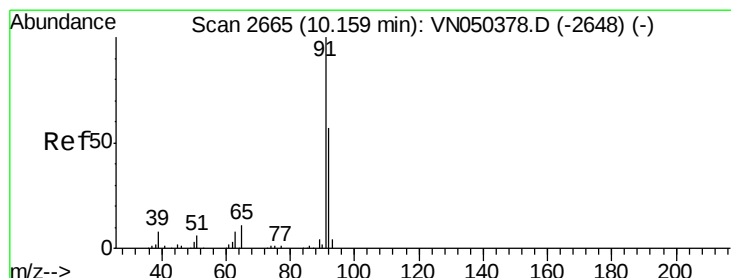
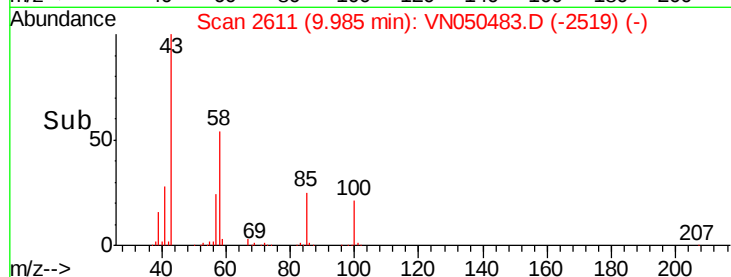
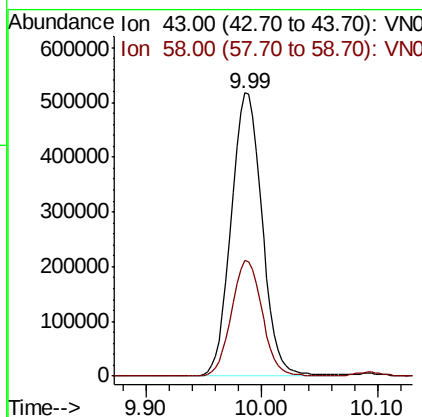
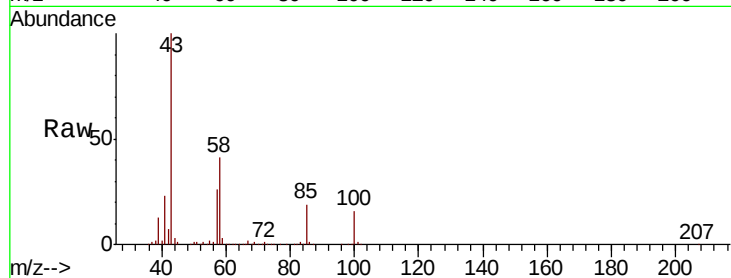
#51
4-Methyl-2-Pentanone
Concen: 85.50 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.9	47.9

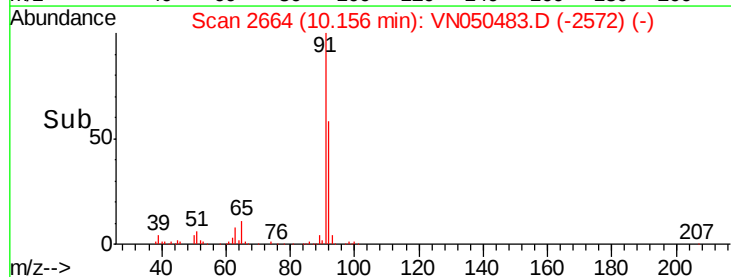
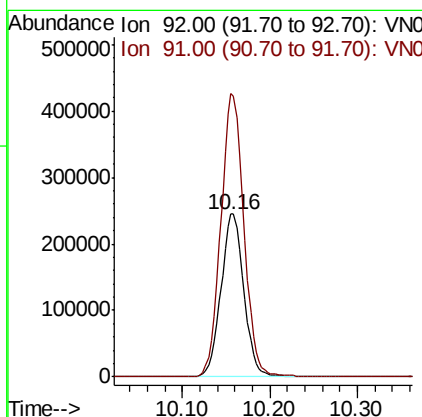
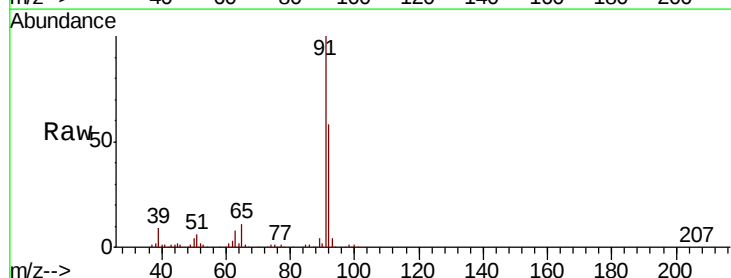
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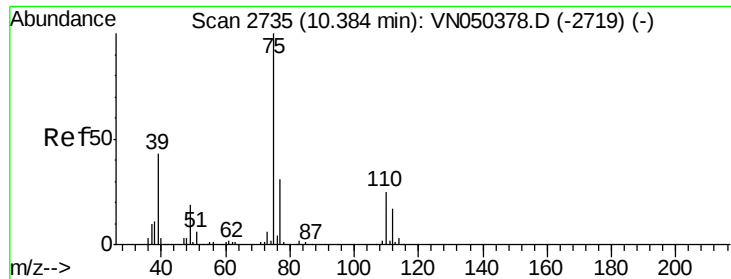
MMDadoda
8/10/2018 10:52:49 AM



#52
Toluene
Concen: 19.36 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.3	140.3	210.5





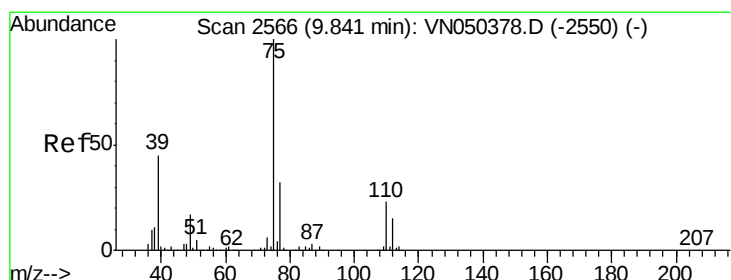
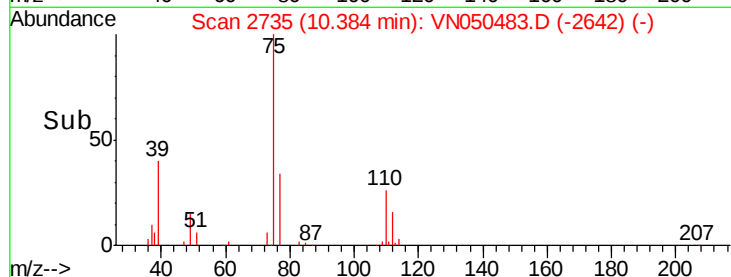
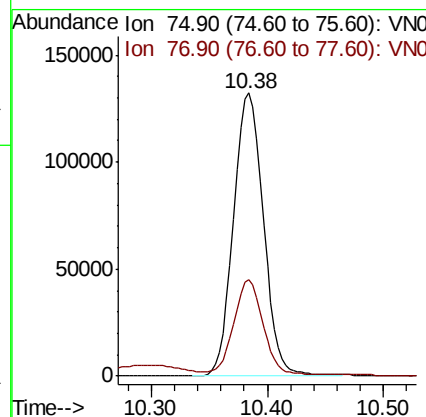
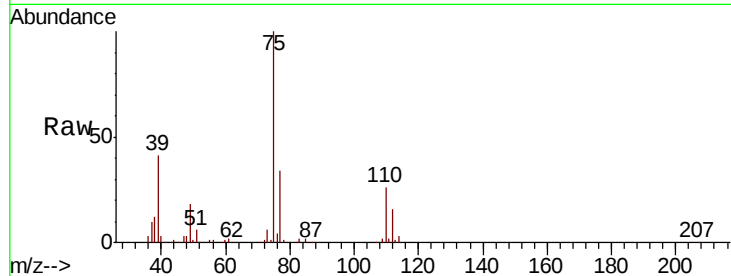
#53
t-1,3-Dichloropropene
Concen: 18.32 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion: 75 Resp: 236170
Ion Ratio Lower Upper
75 100
77 33.7 24.9 37.3

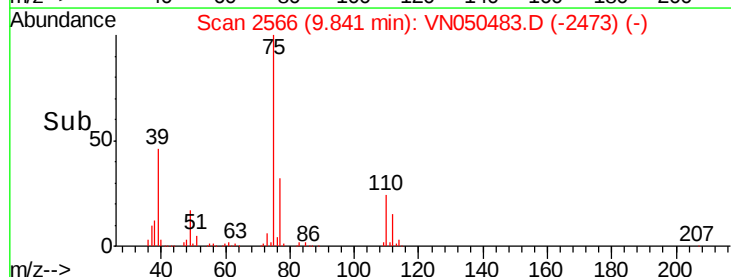
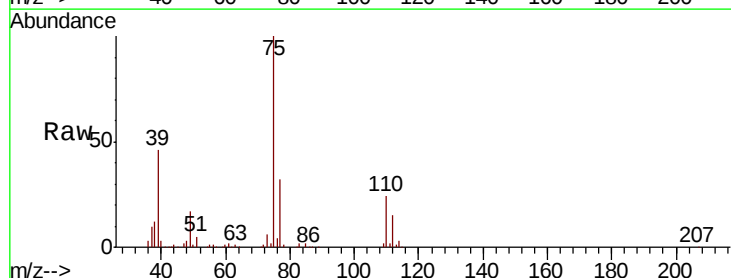
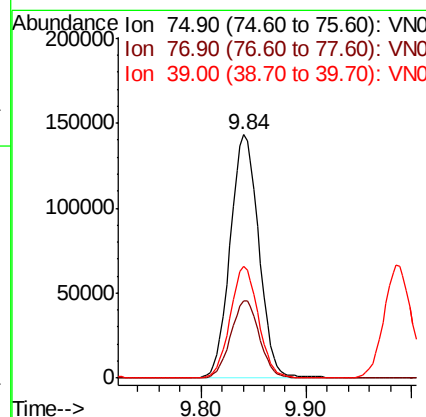
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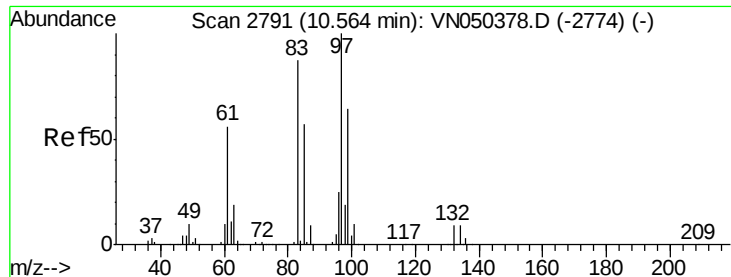
MMDadoda
8/10/2018 10:52:49 AM



#54
cis-1,3-Dichloropropene
Concen: 18.73 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 75 Resp: 269459
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 45.6 36.6 55.0





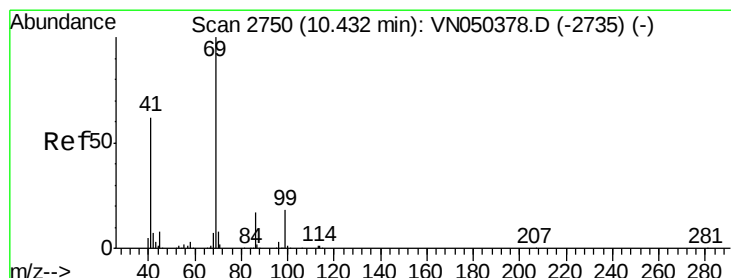
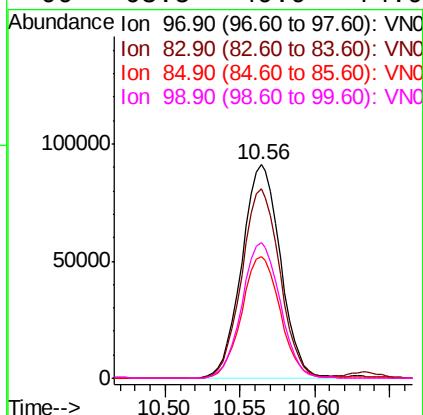
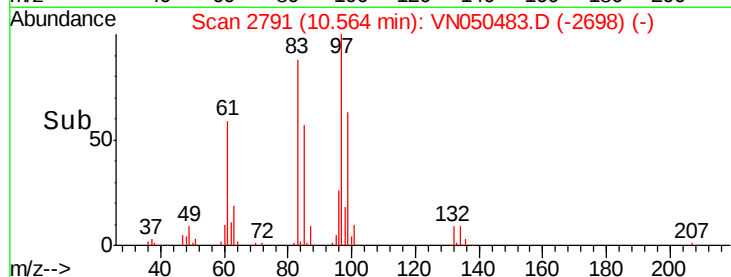
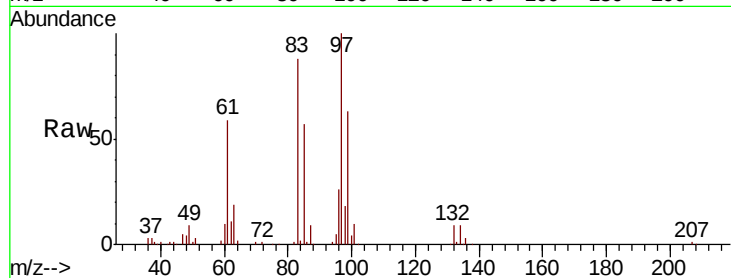
#55
 1,1,2-Trichloroethane
 Concen: 18.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.2	103.8
85	57.1	44.0	66.0
99	63.5	49.9	74.9

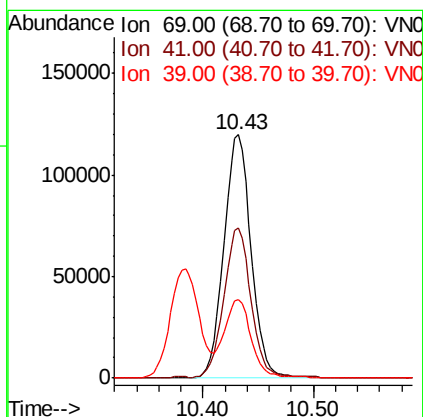
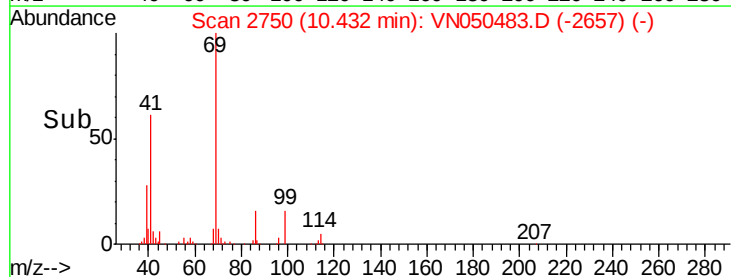
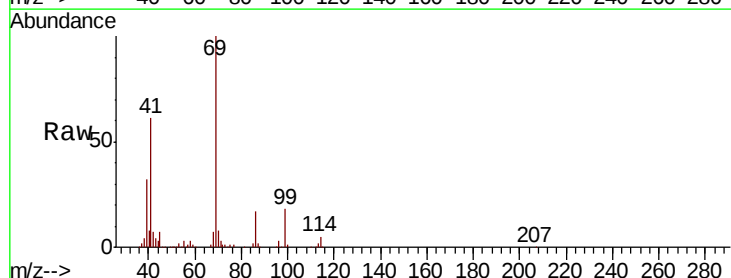
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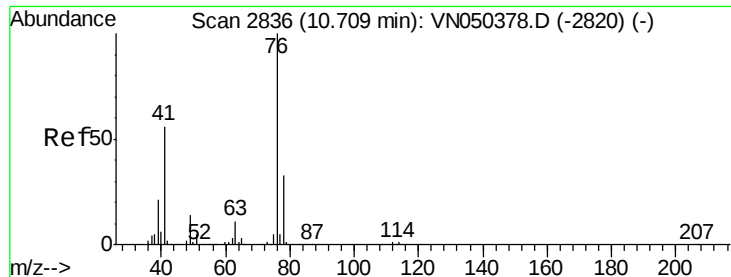
MMDadoda
 8/10/2018 10:52:49 AM



#56
 Ethyl methacrylate
 Concen: 17.33 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.7	51.0	76.4
39	31.7	26.6	40.0





#57

1,3-Dichloropropane

Concen: 18.62 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

VN0809MBSD01

Tot Ion: 76 Resp: 273692

Ion Ratio Lower Upper

76 100

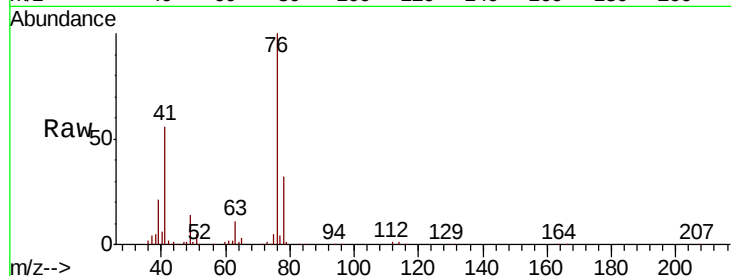
78 32.2 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

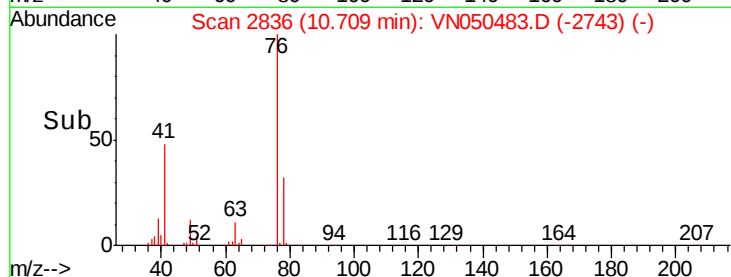
150000

100000

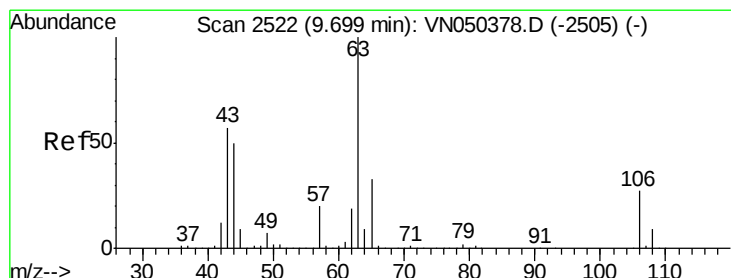
50000

0

10.60 10.70 10.80



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 85.13 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050483.D

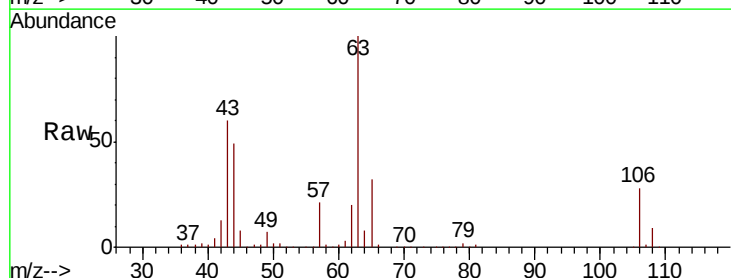
Acq: 9 Aug 2018 14:12

Tgt Ion: 63 Resp: 473142

Ion Ratio Lower Upper

63 100

106 28.2 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

300000

250000

200000

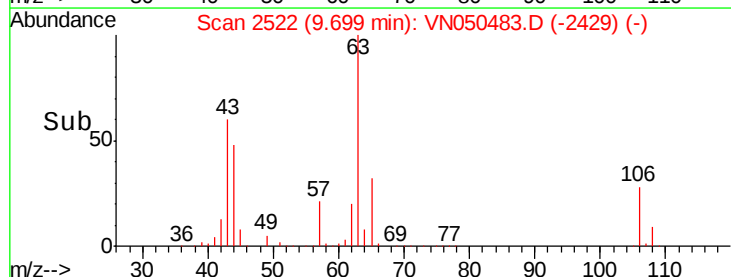
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100000

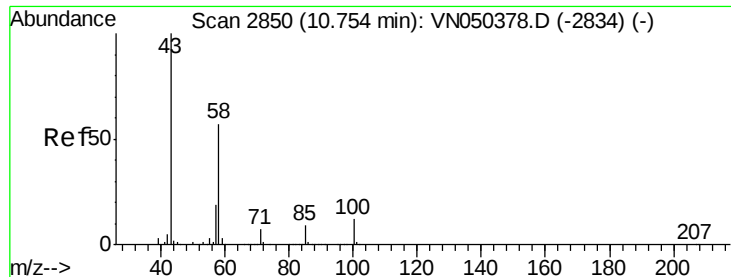
50000

0

9.60 9.70 9.80



Time-->



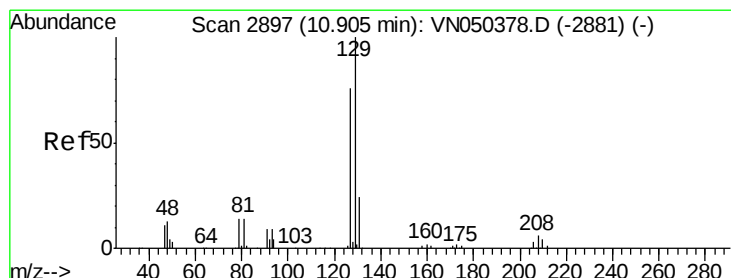
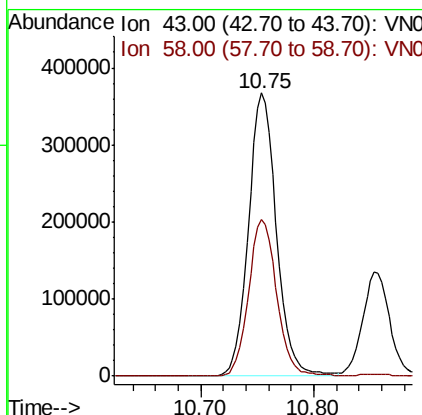
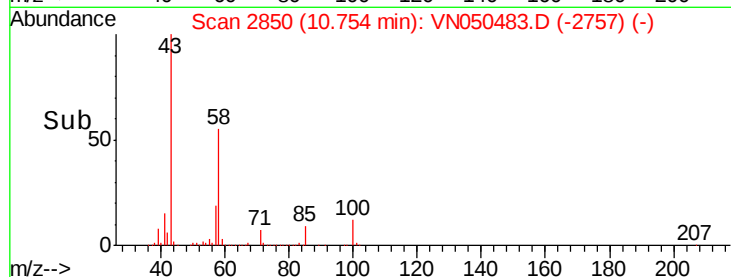
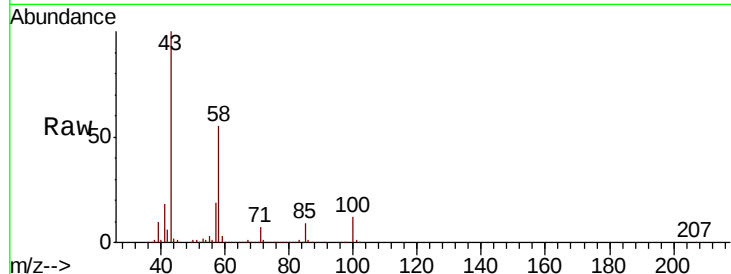
#59
2-Hexanone
Concen: 81.02 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion	43	Resp	628792
Ion Ratio	43	100	
Lower	58	56.1	27.6
Upper			82.7

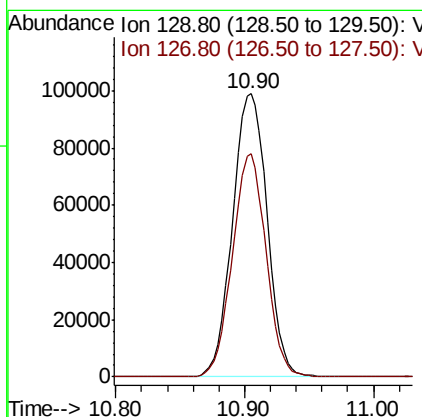
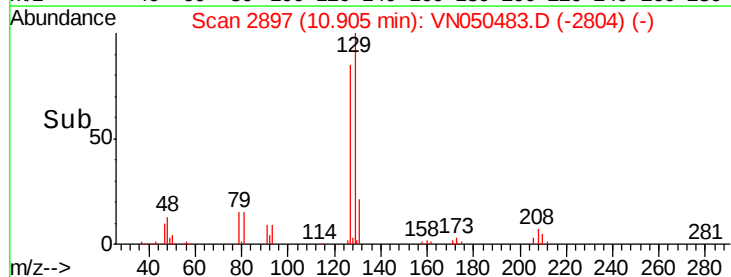
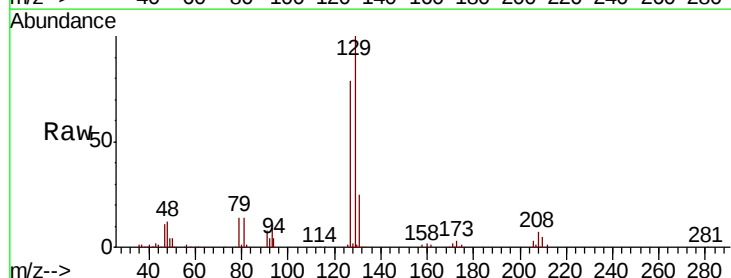
Manual Integrations
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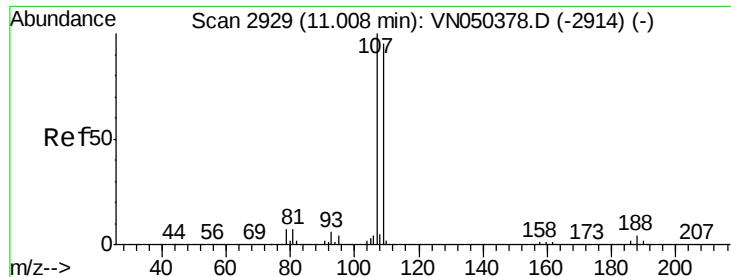
MMDadoda
8/10/2018 10:52:49 AM



#60
Dibromochloromethane
Concen: 18.70 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	129	Resp	184461
Ion Ratio	129	100	
Lower	127	76.5	38.0
Upper			113.9





#61

1,2-Dibromoethane

Concen: 18.38 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion: 107 Resp: 162207

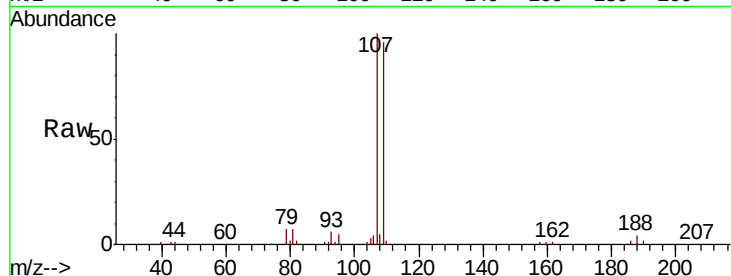
Ion Ratio Lower Upper

107 100

109 94.9 74.6 112.0

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

100000

80000

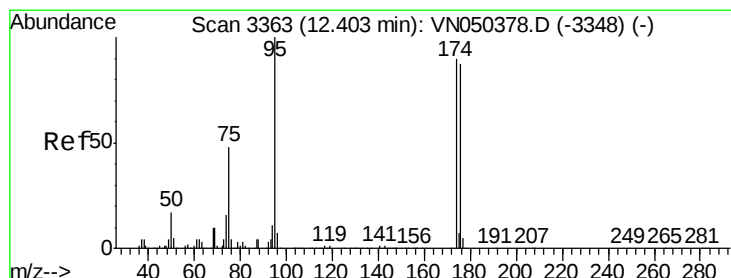
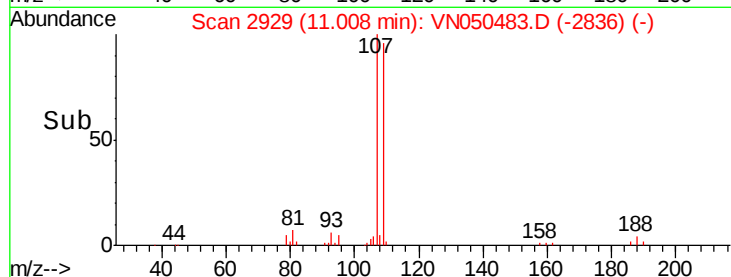
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 45.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

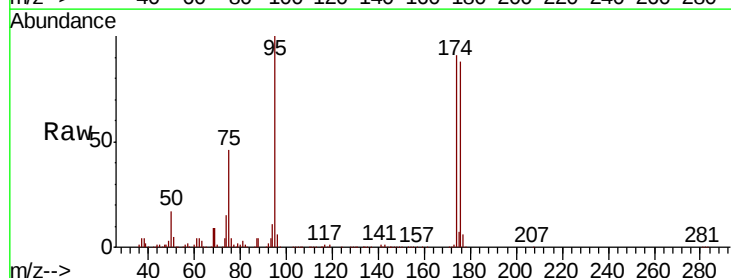
Tgt Ion: 95 Resp: 529613

Ion Ratio Lower Upper

95 100

174 90.7 0.0 178.2

176 87.5 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

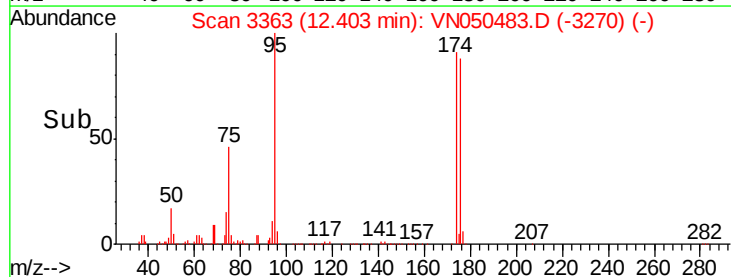
300000

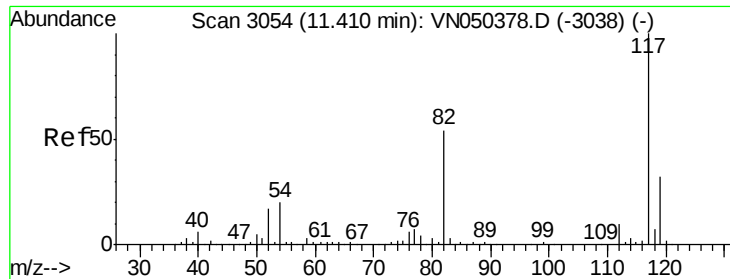
200000

100000

0

Time--> 12.35 12.40 12.45





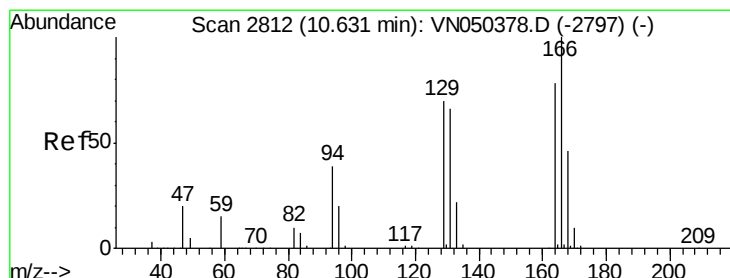
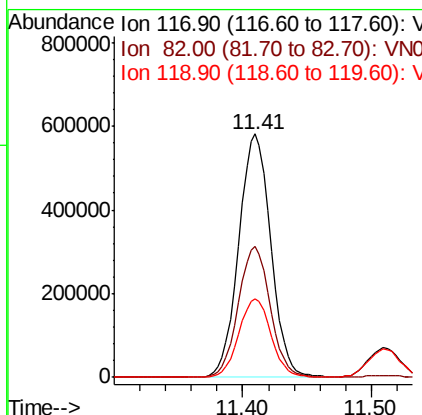
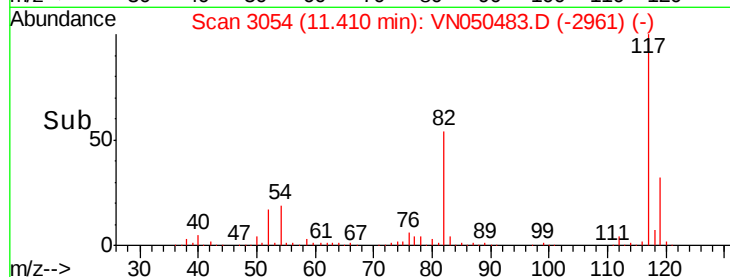
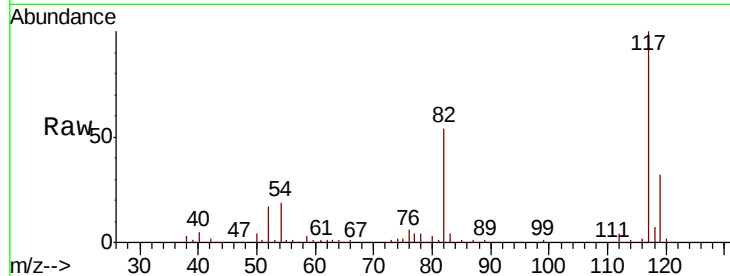
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :
VN0809MBS01

Tot Ion:117 Resp: 1007034
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.4 26.1 39.1

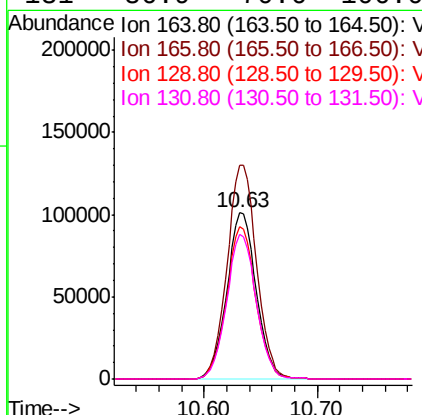
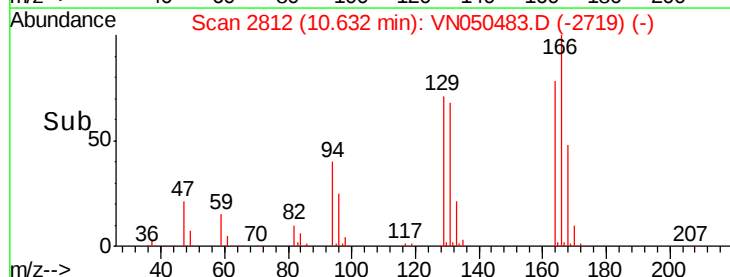
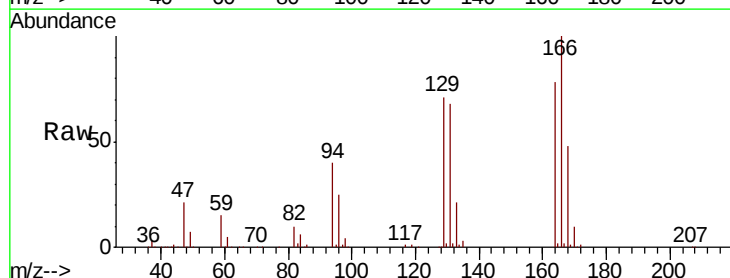
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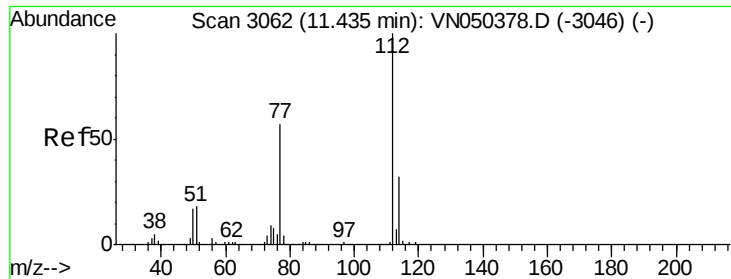
MMDadoda
8/10/2018 10:52:49 AM



#64
Tetrachloroethene
Concen: 19.43 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion:164 Resp: 182820
Ion Ratio Lower Upper
164 100
166 128.4 102.1 153.1
129 91.6 73.2 109.8
131 86.9 70.6 106.0





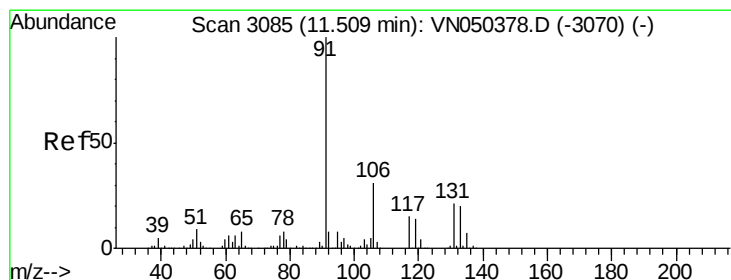
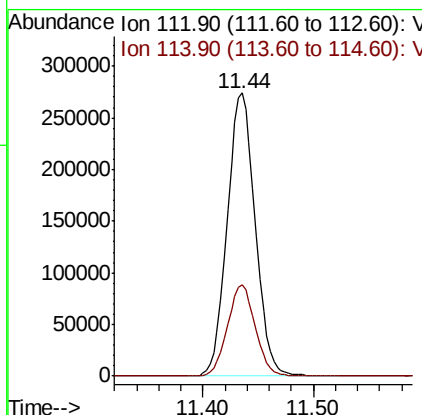
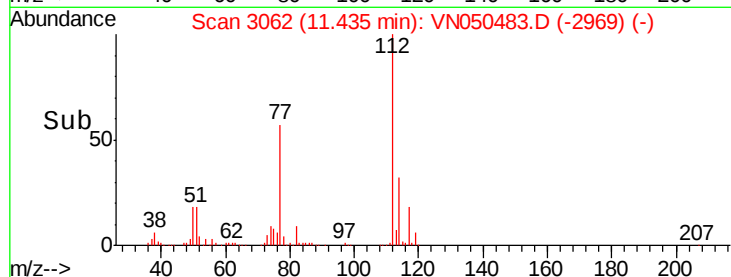
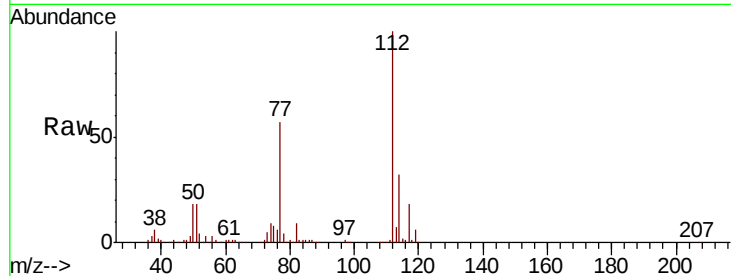
#65
Chlorobenzene
Concen: 19.10 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

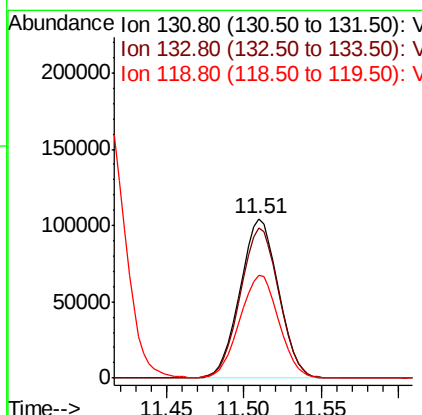
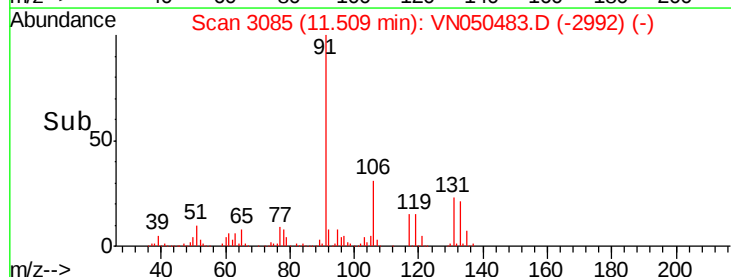
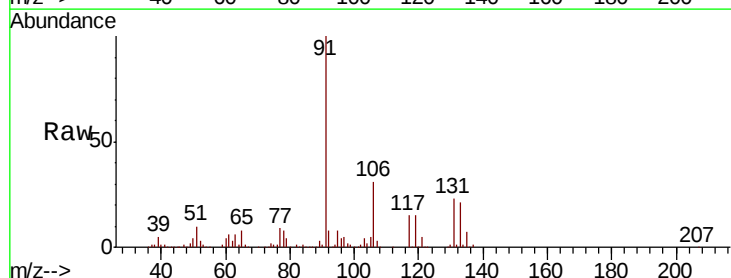
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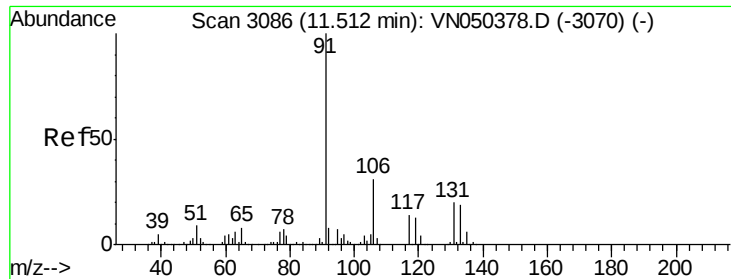
MMDadoda
8/10/2018 10:52:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.65 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.9
119	65.9	32.9	98.7





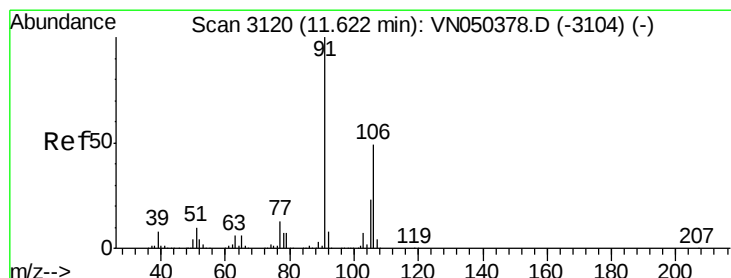
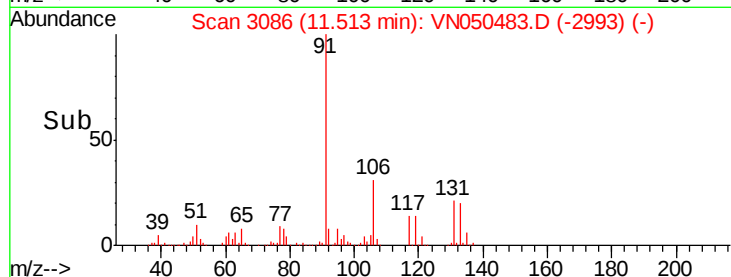
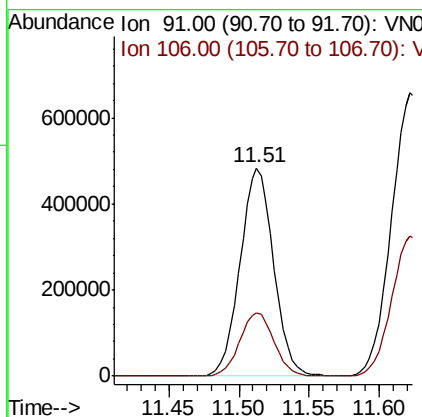
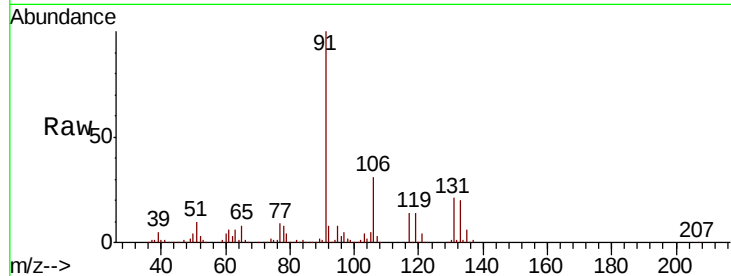
#67
Ethyl Benzene
Concen: 19.72 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :
VN0809MBSD01

Tot Ion: 91 Resp: 804803
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4

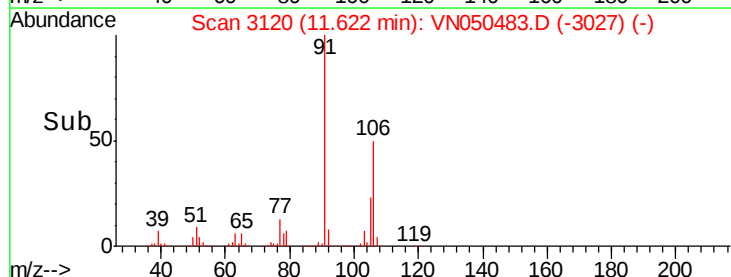
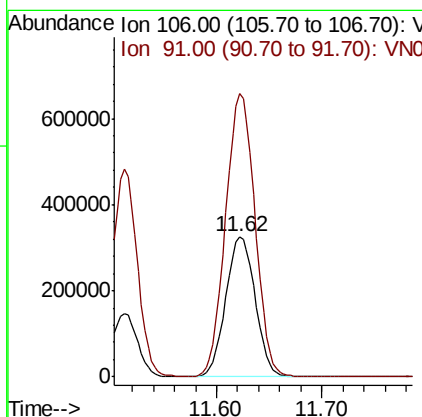
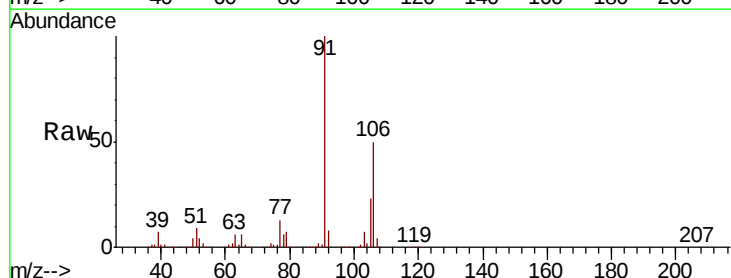
Manual Integrations
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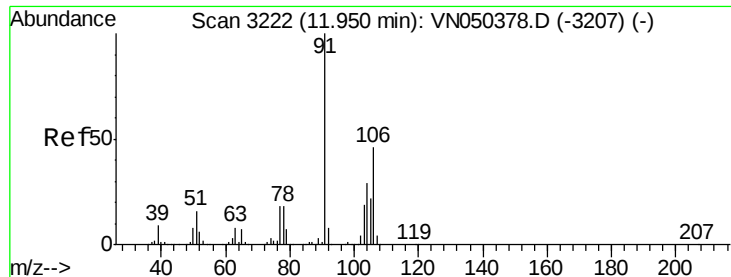
MMDadoda
8/10/2018 10:52:49 AM



#68
m/p-Xylenes
Concen: 40.40 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 106 Resp: 627638
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.2





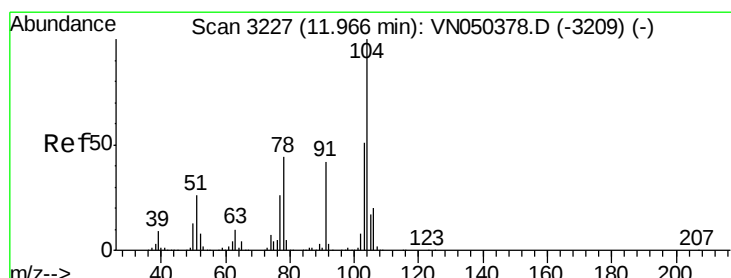
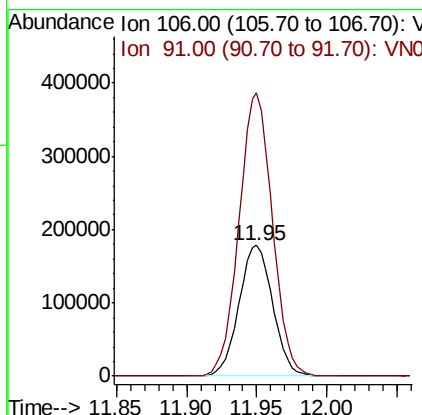
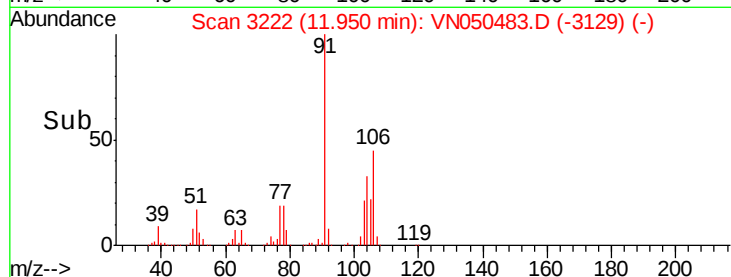
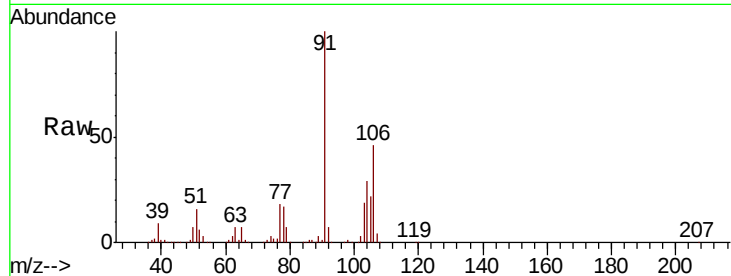
#69
o-Xylene
Concen: 20.05 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	107.7	323.1

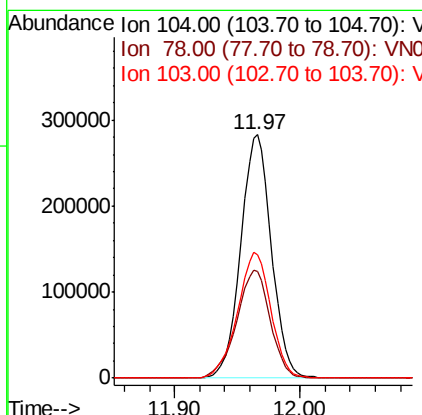
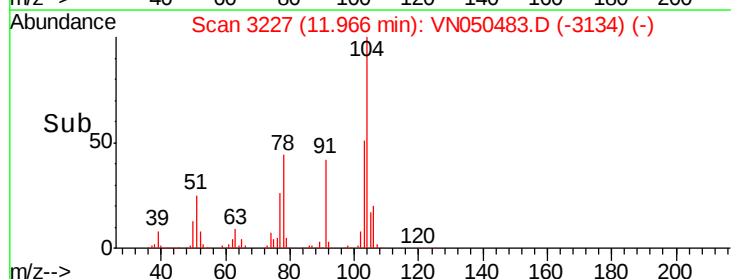
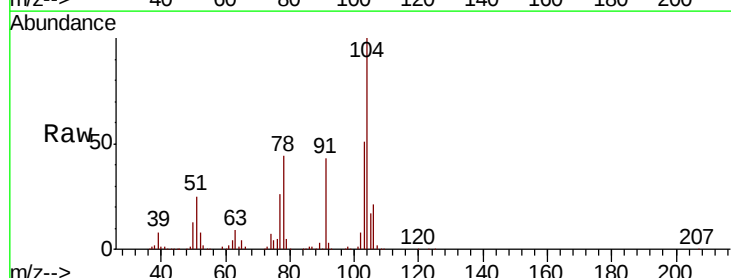
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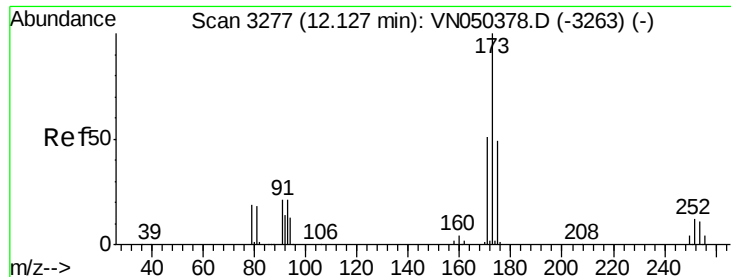
MMDadoda
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#70
Styrene
Concen: 19.75 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.3	58.9
103	56.0	45.0	67.6





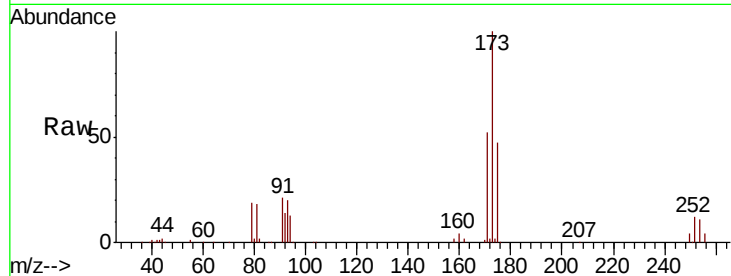
#71
Bromoform
Concen: 18.59 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

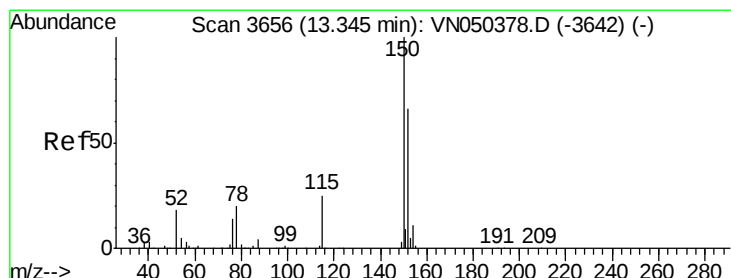
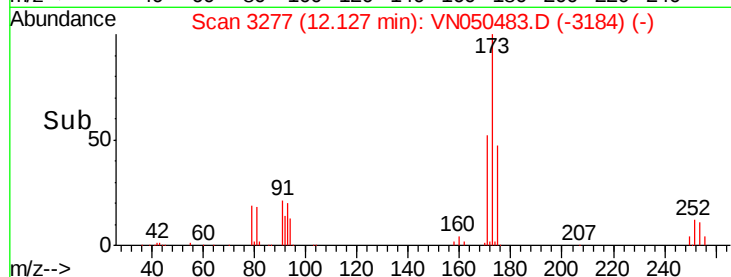
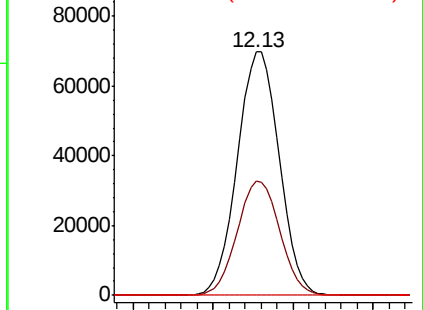
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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8/10/2018 10:52:49 AM

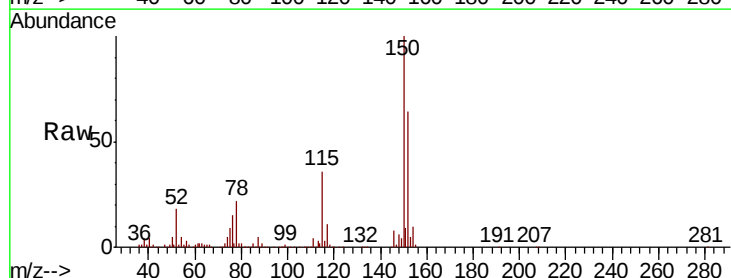


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

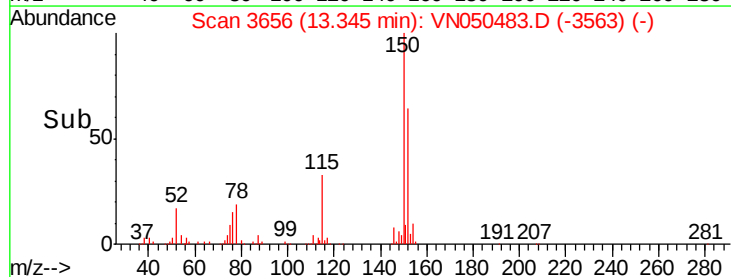
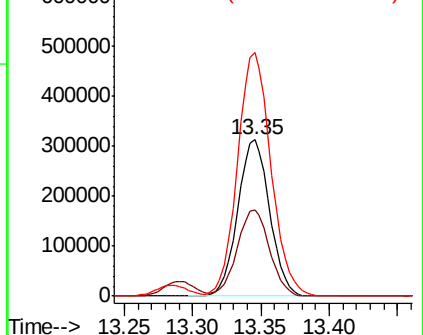


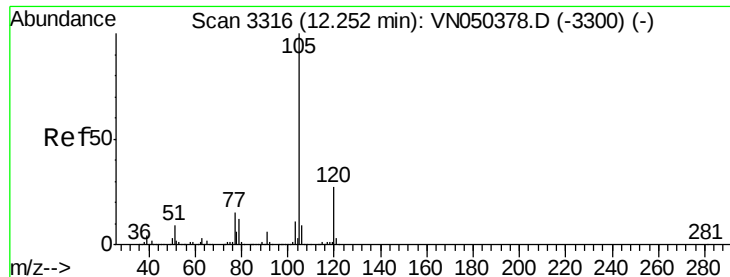
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.8	83.3
150	163.1	0.0	348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.76 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion: 105 Resp: 794059

Ion Ratio Lower Upper

105 100

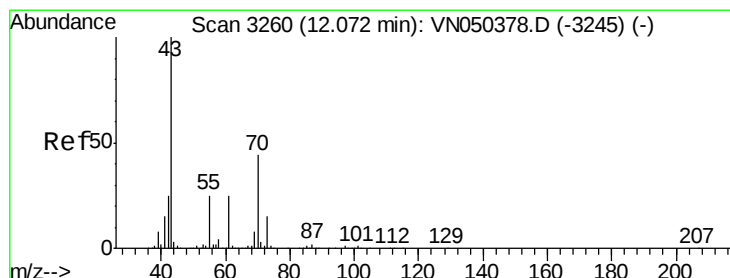
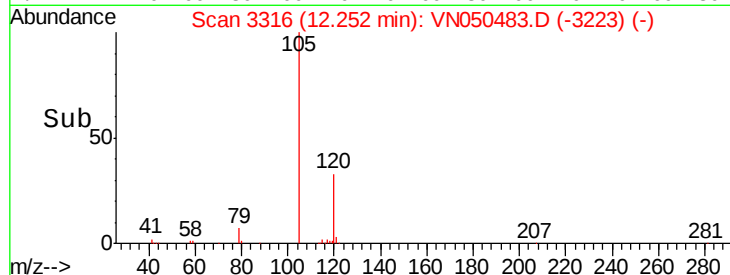
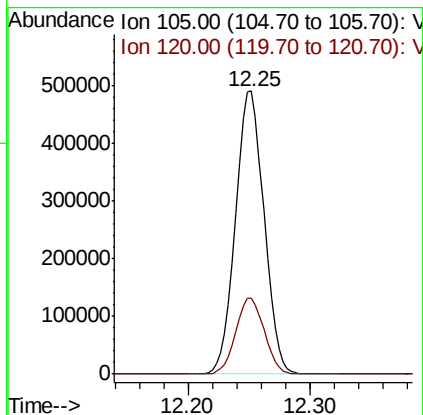
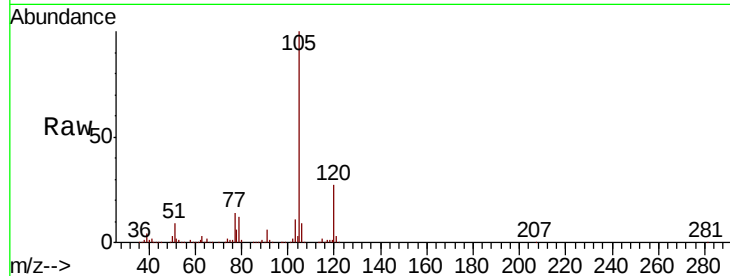
120 26.9 13.3 39.8

Manual Integrations

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8/10/2018 10:52:49 AM



#74

N-ethyl acetate

Concen: 17.60 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion: 43 Resp: 218304

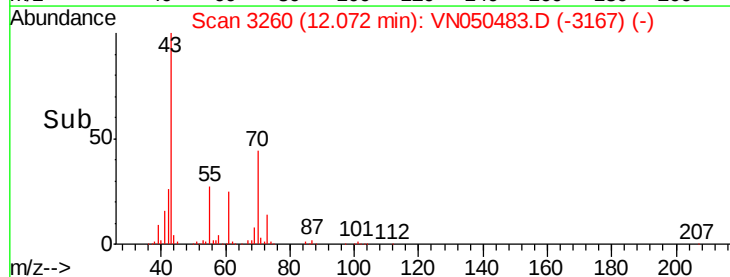
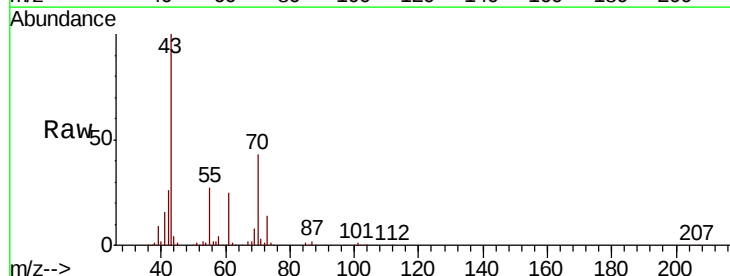
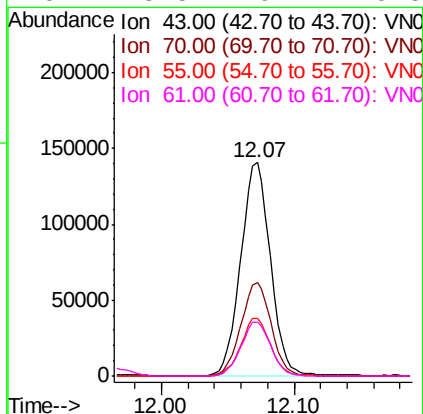
Ion Ratio Lower Upper

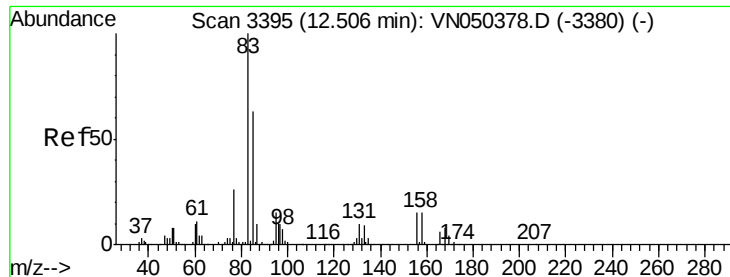
43 100

70 44.6 34.4 51.6

55 27.2 20.8 31.2

61 25.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.81 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBS01

Tot Ion: 83 Resp: 207648

Ion Ratio Lower Upper

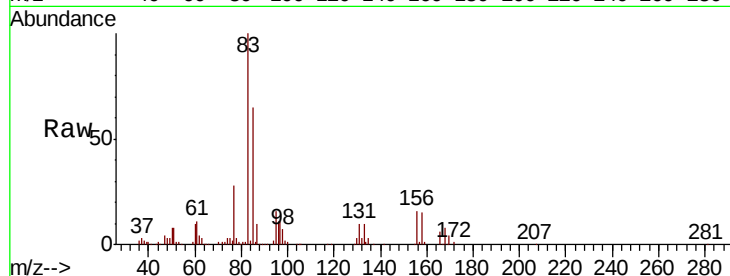
83 100

131 10.6 5.1 15.3

85 64.3 32.3 96.8

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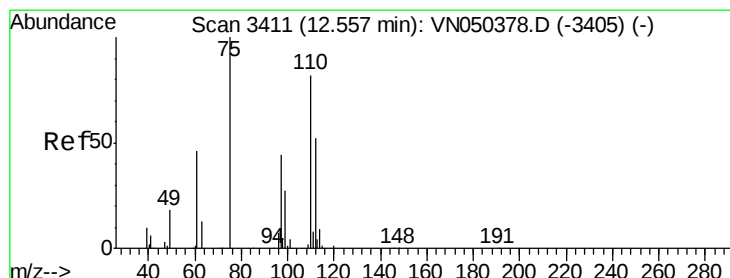
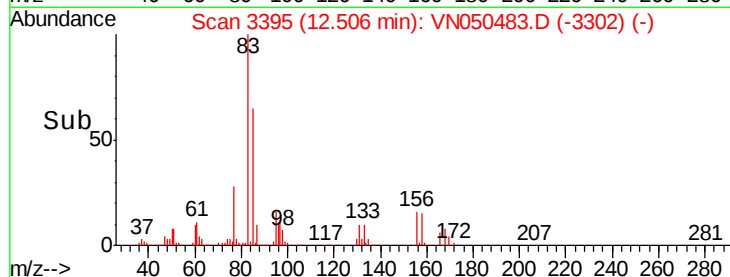
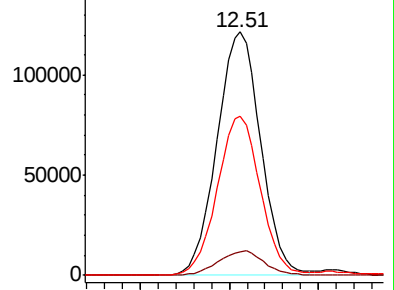
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 18.59 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050483.D

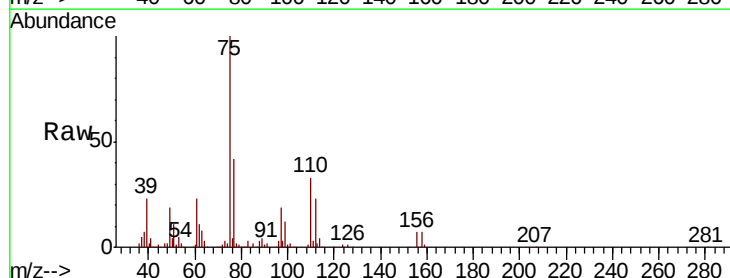
Acq: 9 Aug 2018 14:12

Tgt Ion: 75 Resp: 171507

Ion Ratio Lower Upper

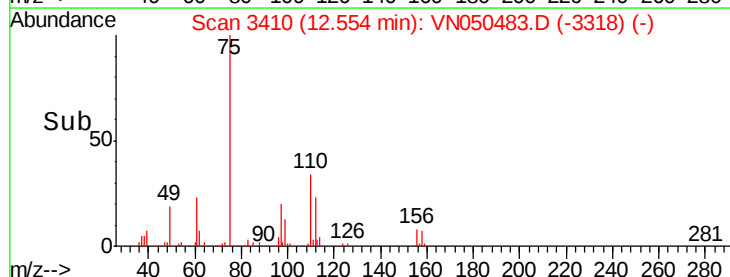
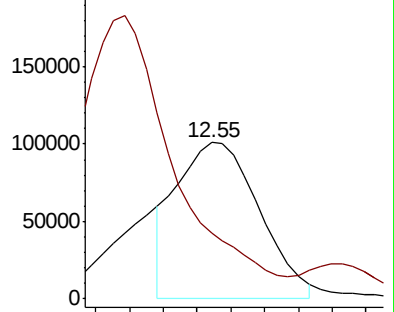
75 100

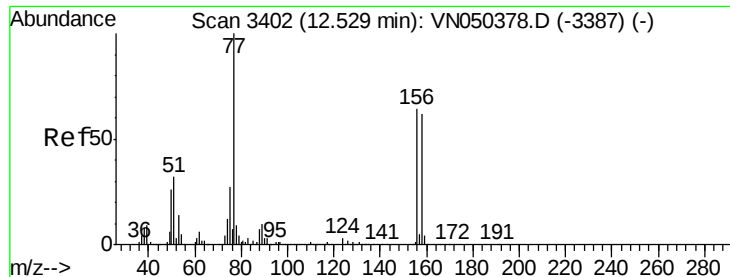
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.22 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

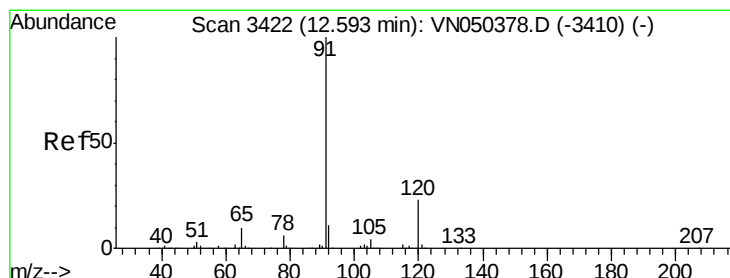
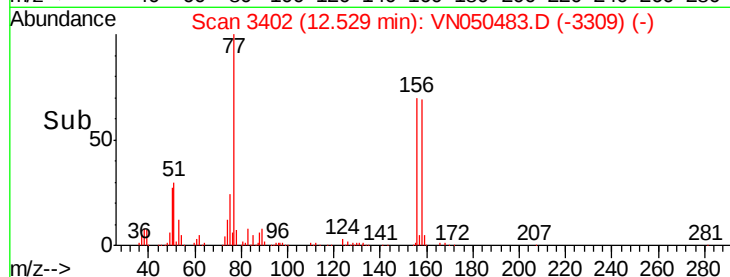
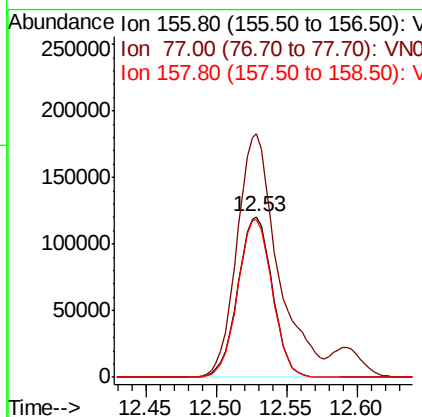
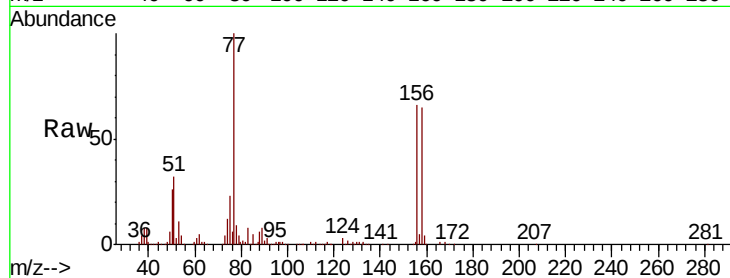
ClientSampleId :

VN0809MBSD01

Tot Ion:	156	Resp:	207202
Ion Ratio	Lower	Upper	
156	100		
77	178.9	91.7	275.1
158	97.9	48.9	146.6

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#78

n-propylbenzene

Concen: 20.47 ug/l

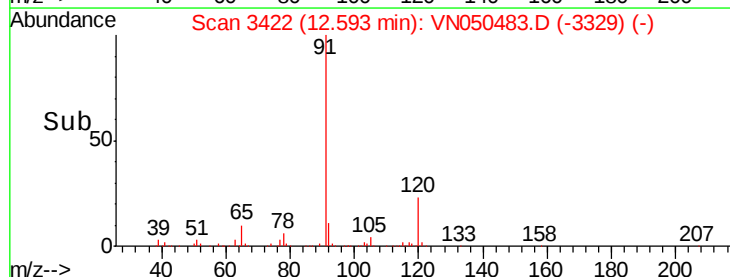
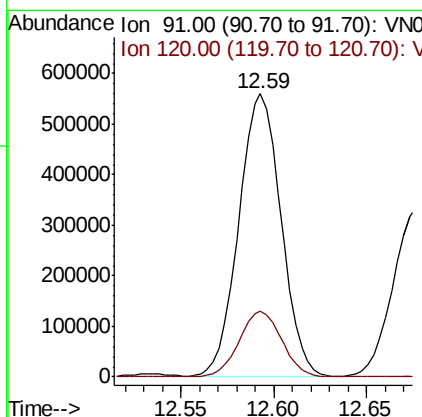
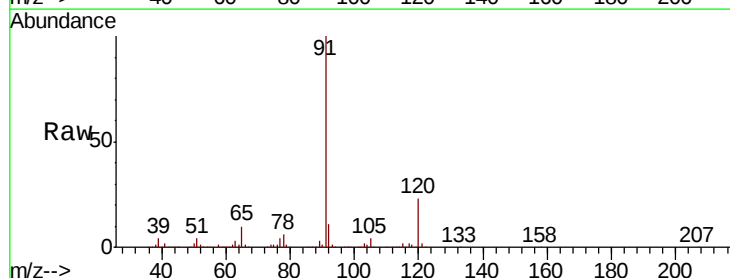
RT: 12.59 min Scan# 3422

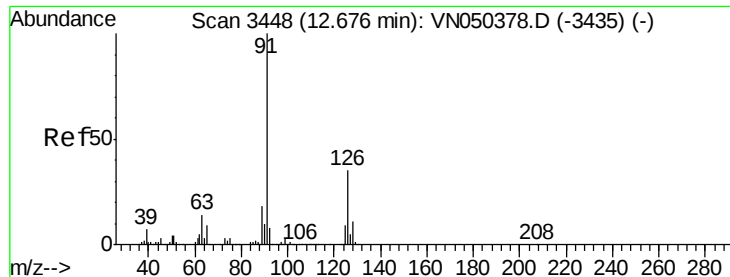
Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion:	91	Resp:	886634
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.30 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion: 91 Resp: 542949

Ion Ratio Lower Upper

91 100

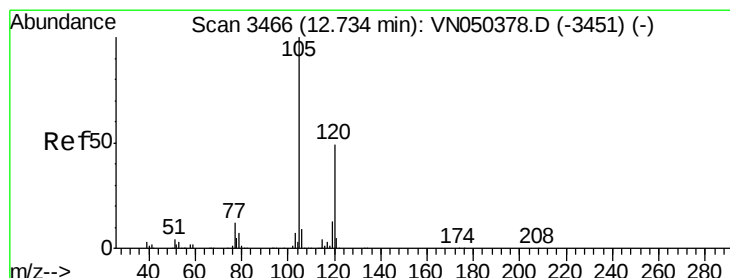
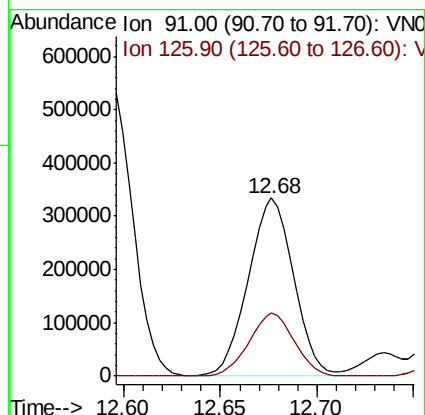
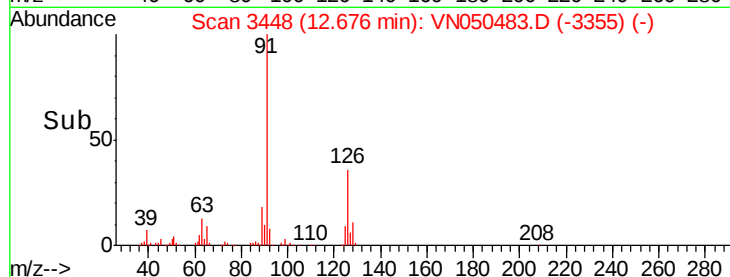
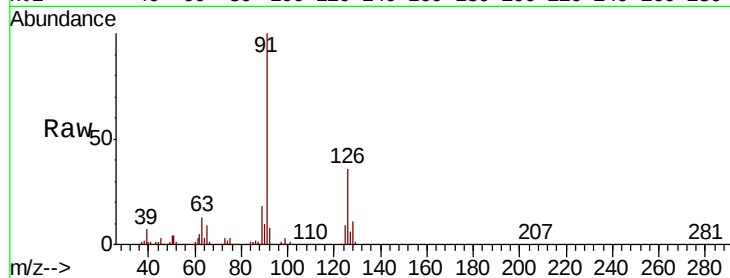
126 35.4 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.87 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050483.D

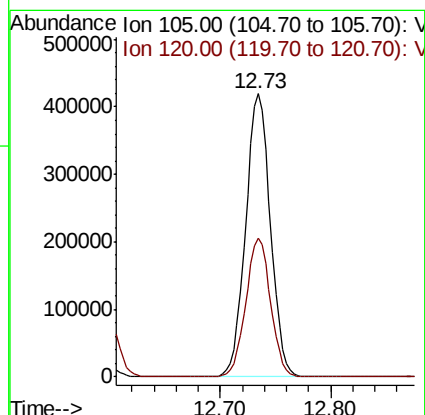
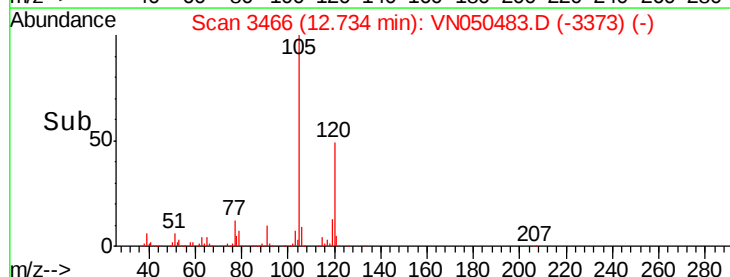
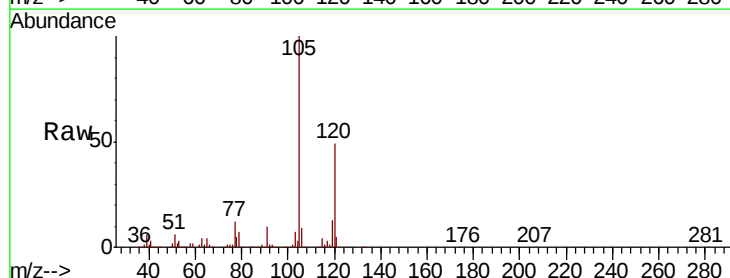
Acq: 9 Aug 2018 14:12

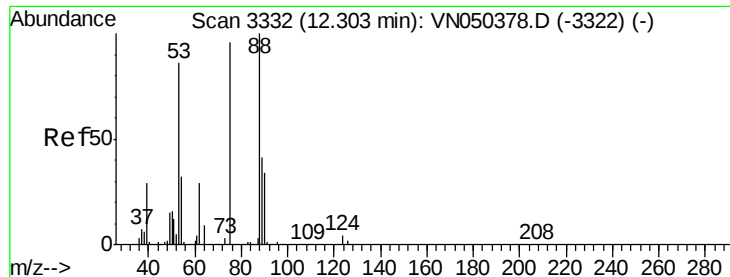
Tgt Ion: 105 Resp: 648036

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.48 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion: 75 Resp: 45894

Ion Ratio Lower Upper

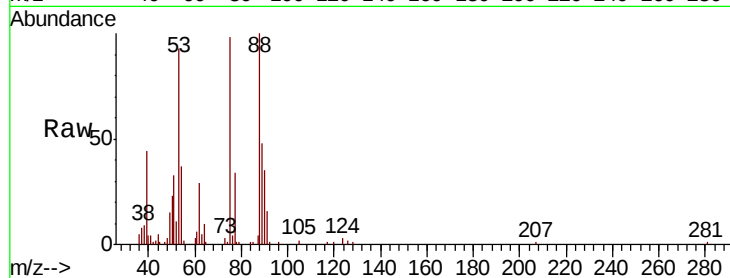
75 100

53 92.0 73.5 110.3

89 47.7 36.0 54.0

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN050378.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN050378.D (-3322) (-)

200000

150000

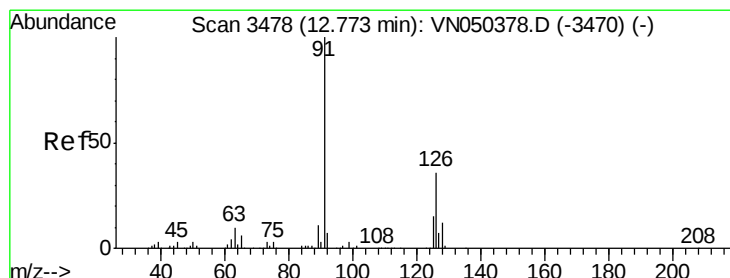
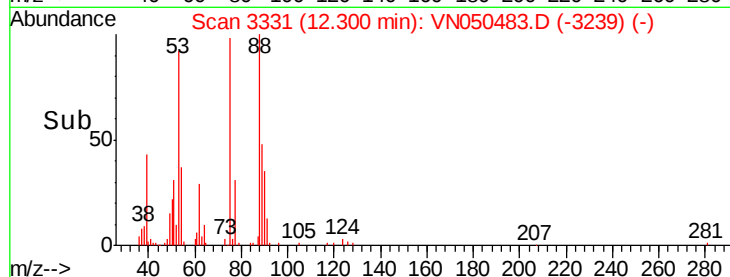
100000

50000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 20.19 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050483.D

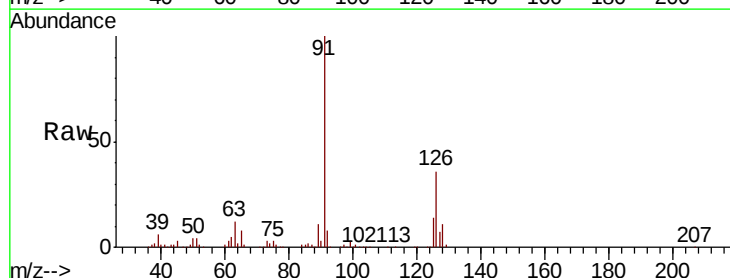
Acq: 9 Aug 2018 14:12

Tgt Ion: 91 Resp: 538497

Ion Ratio Lower Upper

91 100

126 34.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3470) (-)

300000

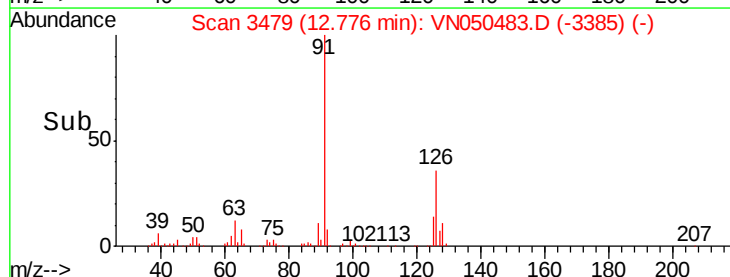
200000

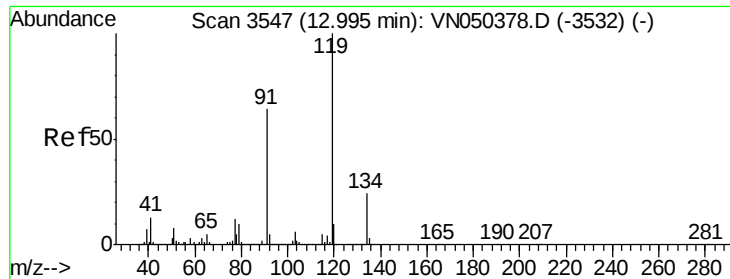
100000

0

12.75 12.80 12.85

Time-->





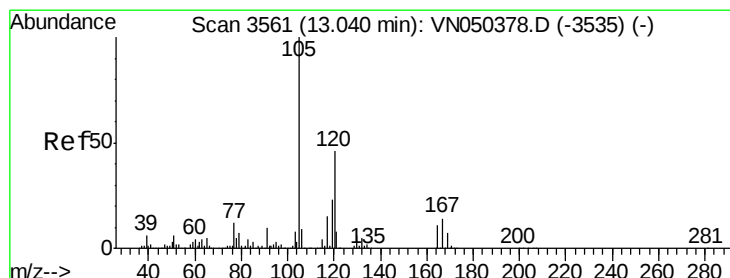
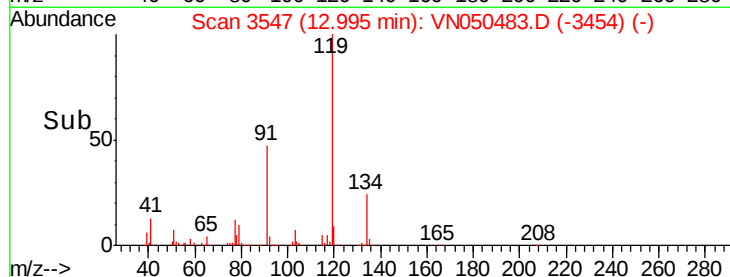
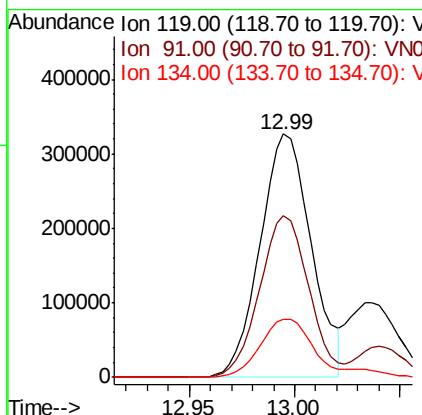
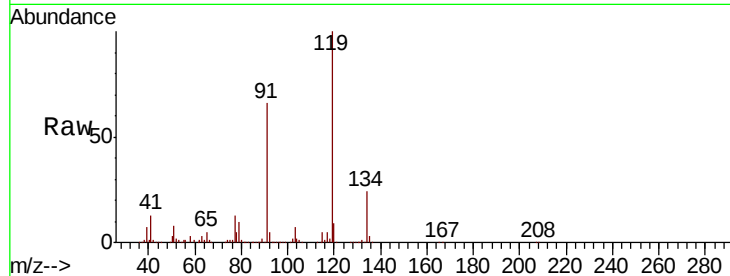
#83
 tert-Butylbenzene
 Concen: 20.38 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion:	119	Resp:	552033
Ion Ratio	Lower	Upper	
119	100		
91	64.0	32.1	96.3
134	26.6	13.2	39.5

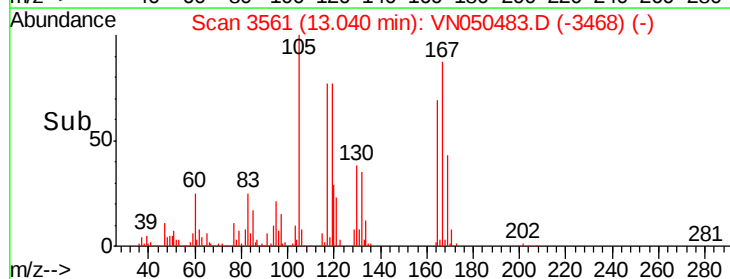
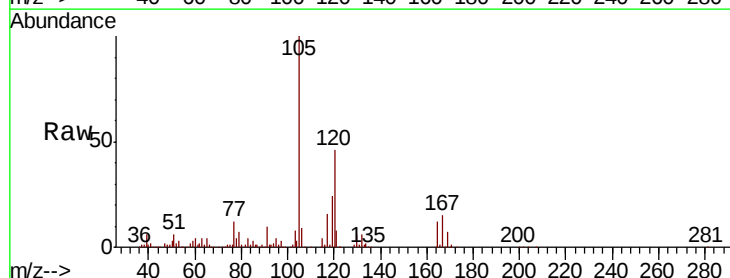
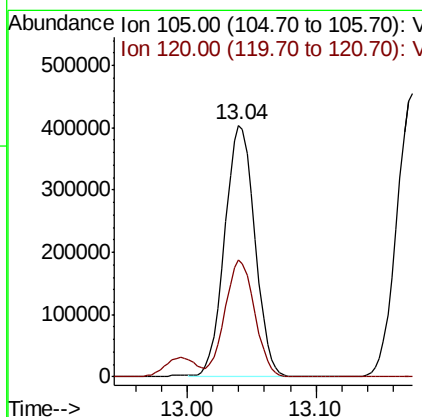
Manual Integrations
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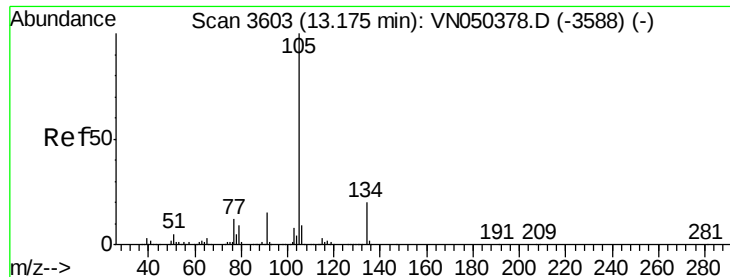
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.78 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion:	105	Resp:	653754
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.9	68.7





#85

sec-Butylbenzene

Concen: 19.90 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN0809MBSD01

Tot Ion:105 Resp: 718593

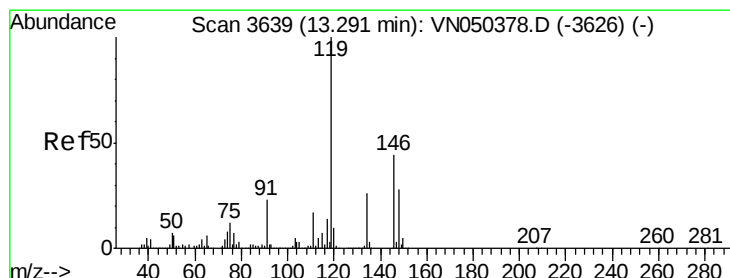
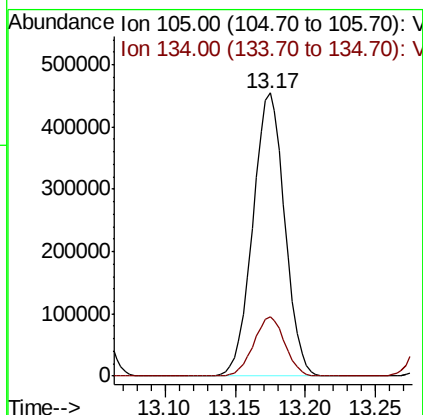
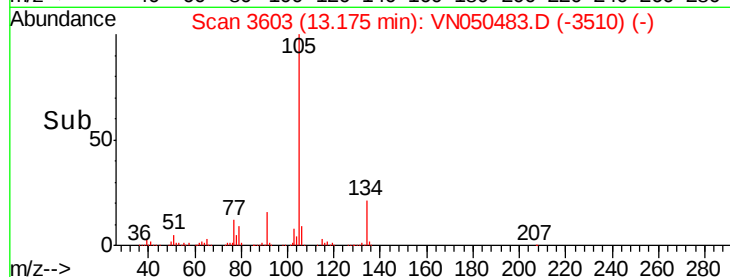
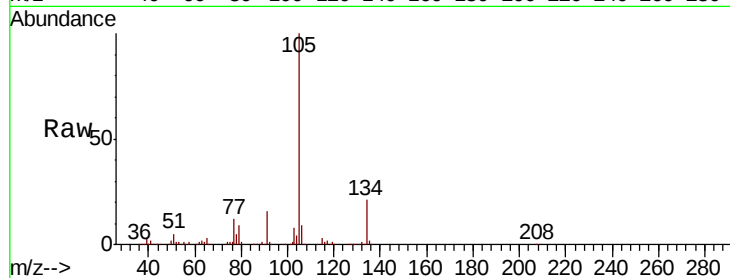
Ion Ratio Lower Upper

105 100

134 20.6 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.02 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

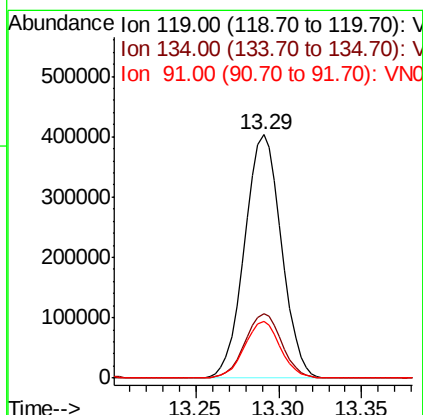
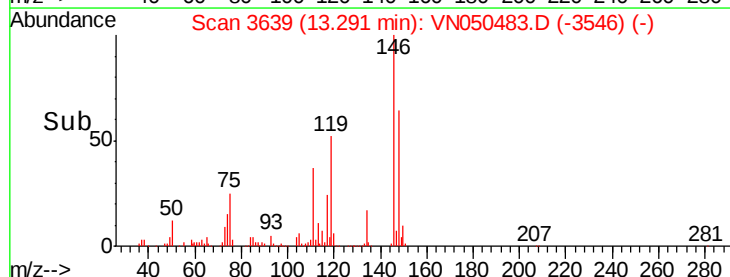
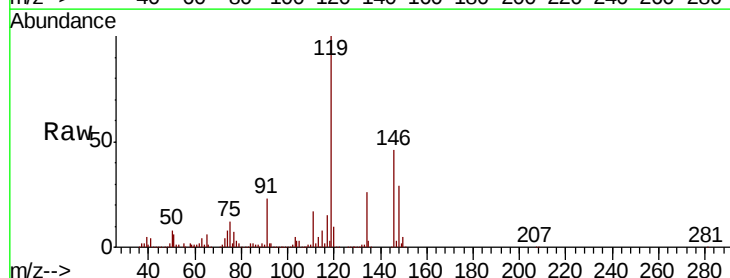
Tgt Ion:119 Resp: 619517

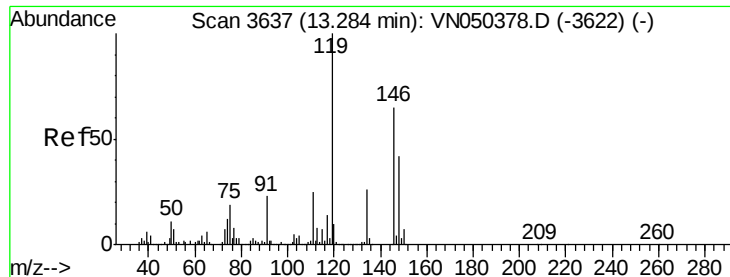
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 22.6 11.4 34.2





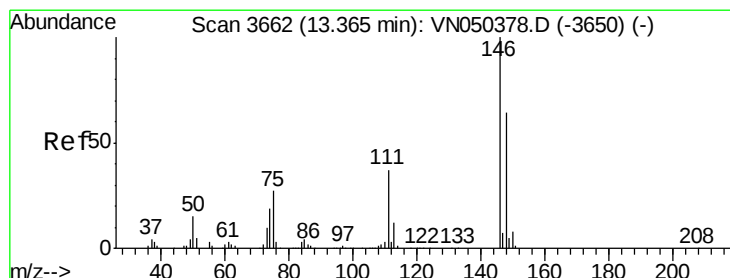
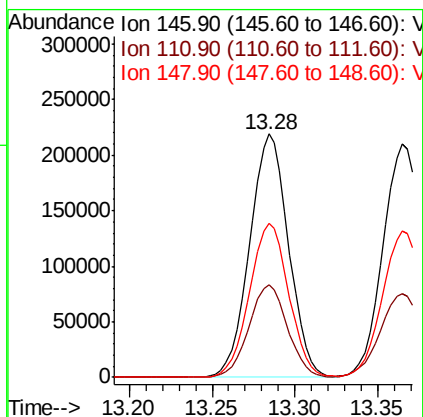
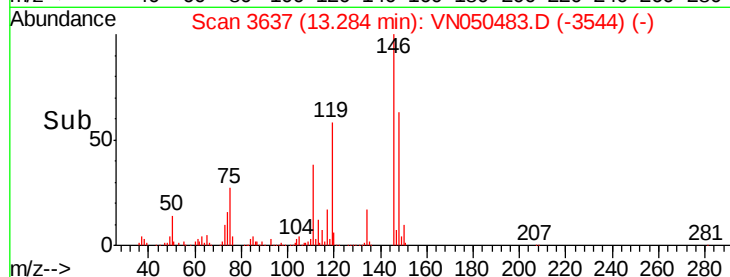
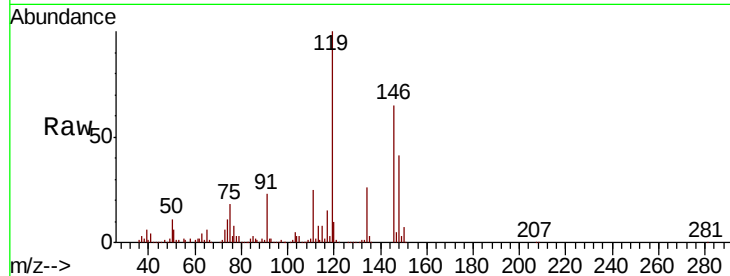
#87
 1,3-Dichlorobenzene
 Concen: 19.48 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	355560		
111	37.8	18.8	56.4	
148	64.2	31.9	95.9	

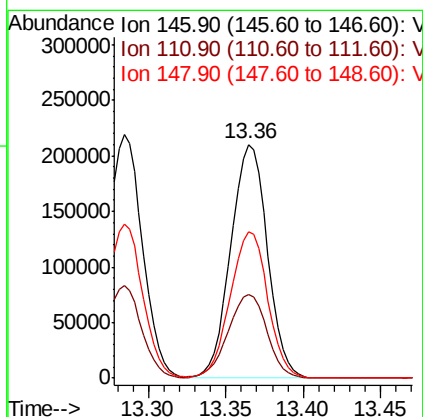
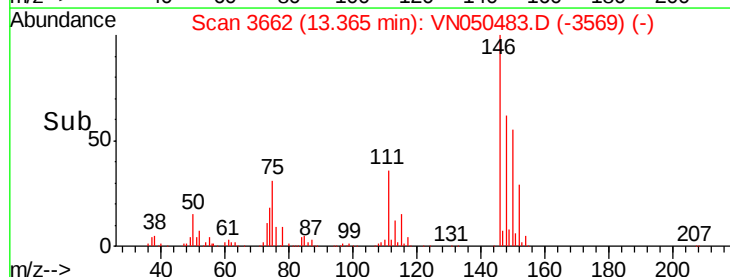
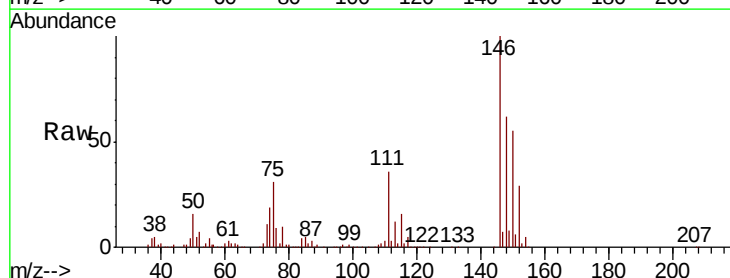
Manual Integrations
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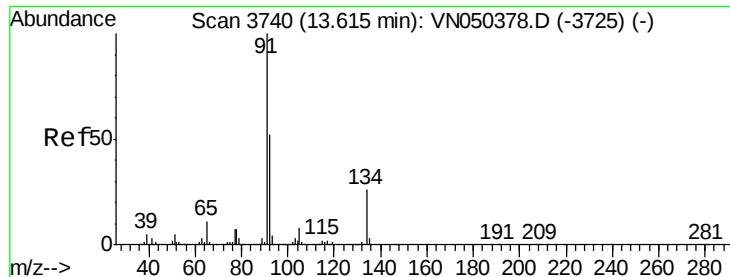
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#88
 1,4-Dichlorobenzene
 Concen: 18.94 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	345261		
111	38.0	18.3	54.9	
148	64.1	31.9	95.9	





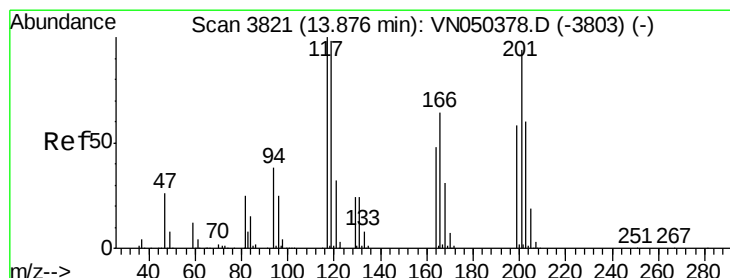
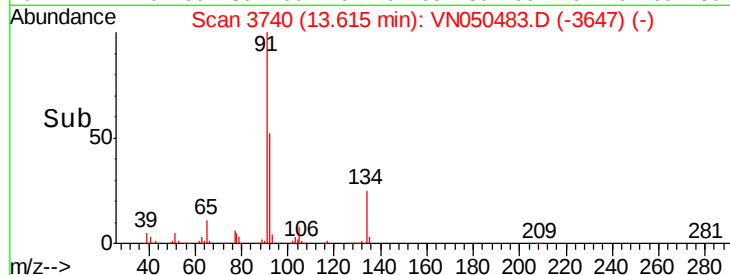
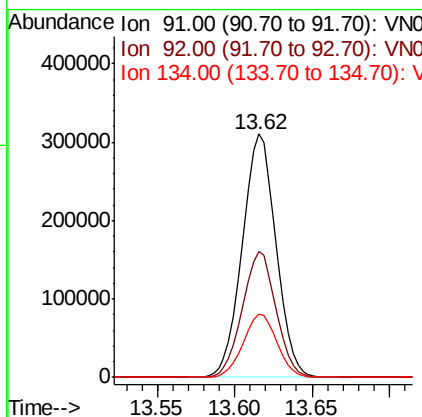
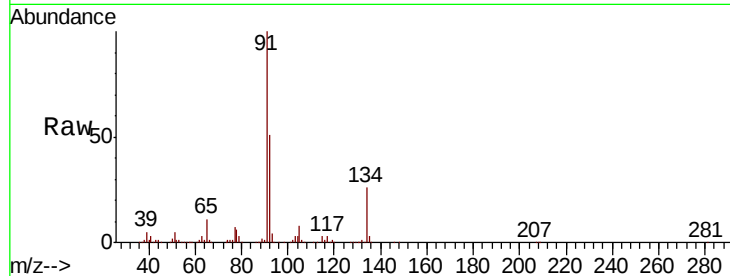
#89
n-Butylbenzene
Concen: 17.87 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	26.2	12.8	38.4

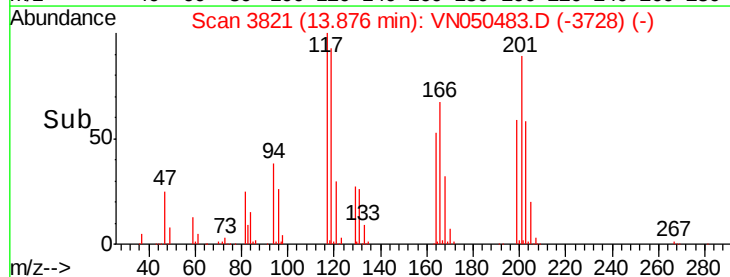
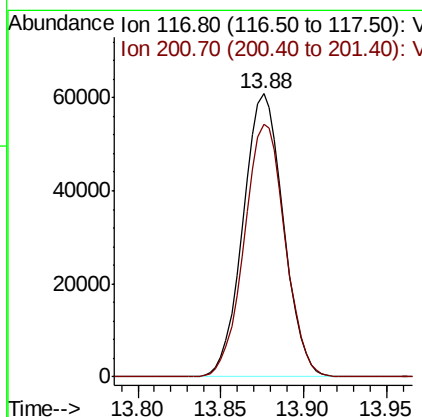
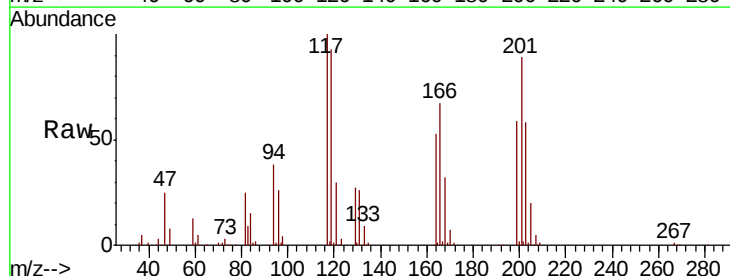
Manual Integrations
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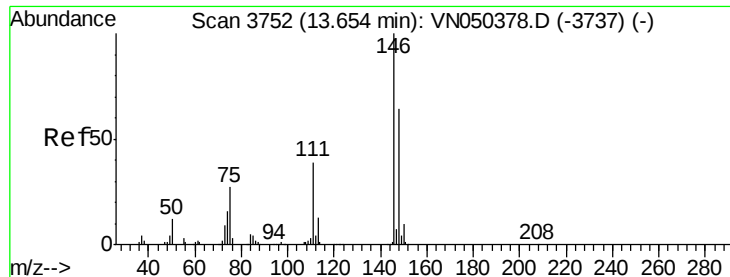
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#90
Hexachloroethane
Concen: 18.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	45.6	136.8





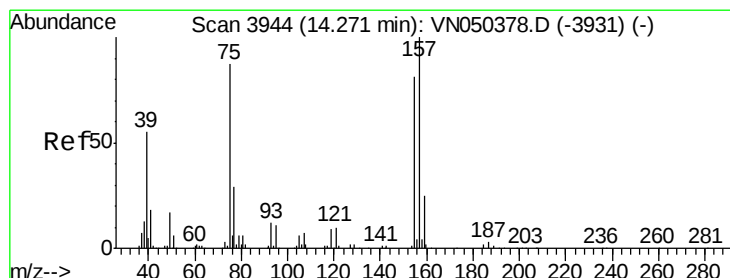
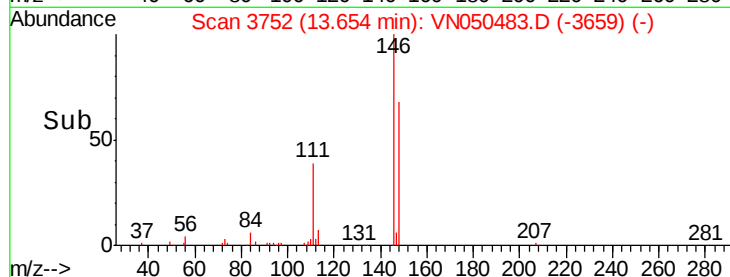
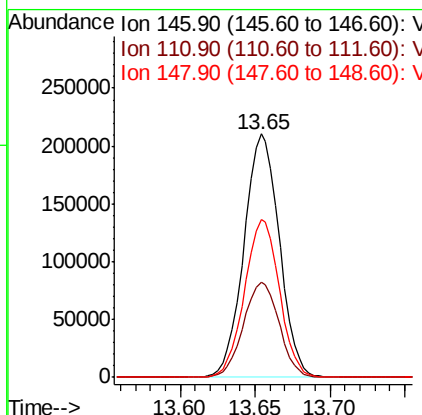
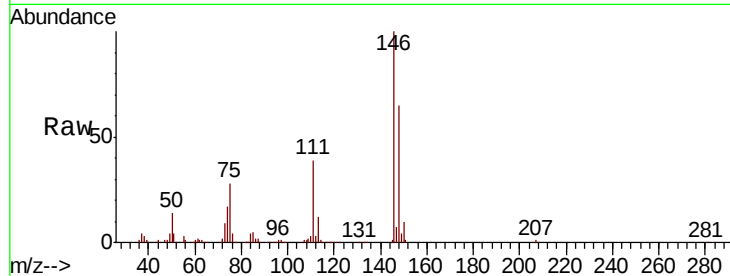
#91
 1,2-Dichlorobenzene
 Concen: 18.93 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.7
148	63.8	32.1	96.3

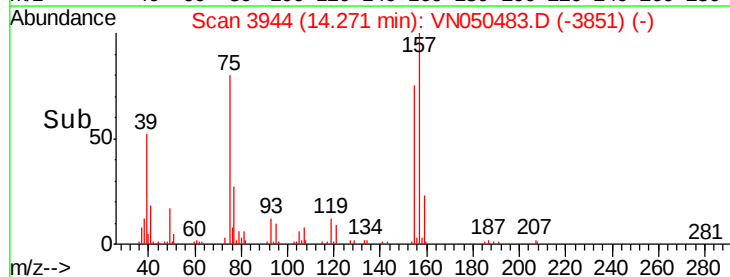
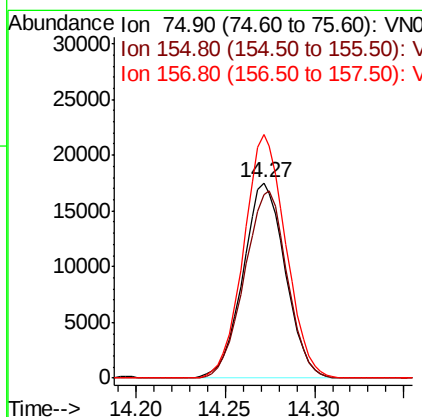
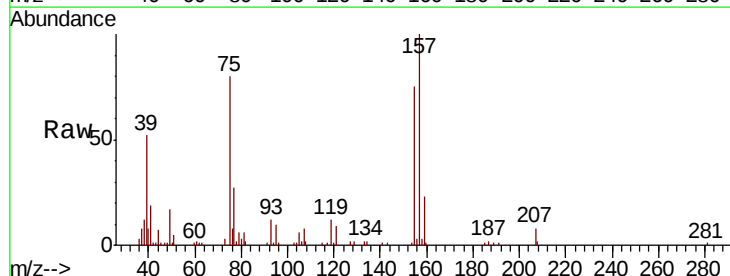
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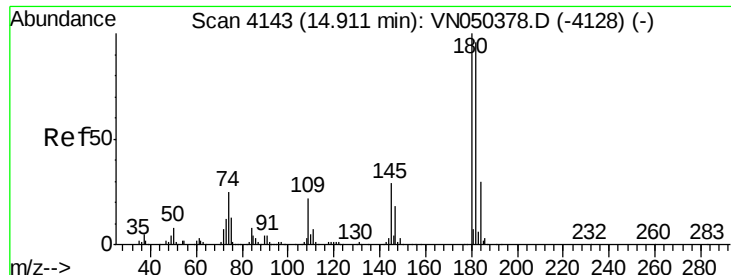
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.49 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	44.8	134.4
157	123.8	57.2	171.6





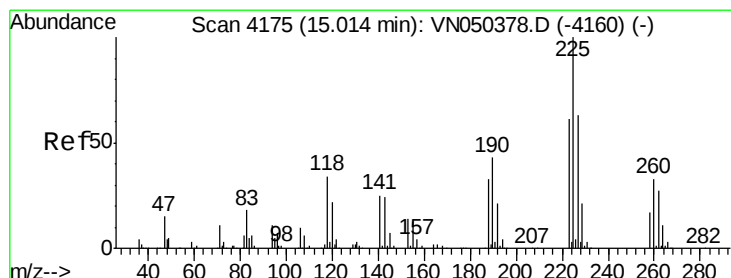
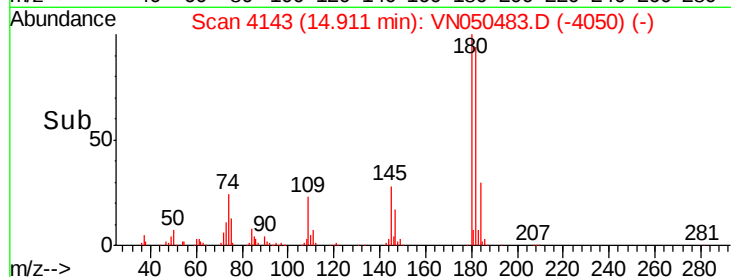
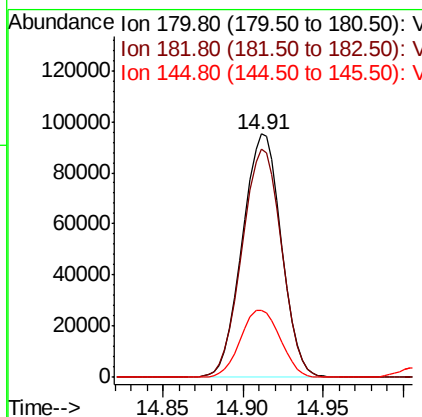
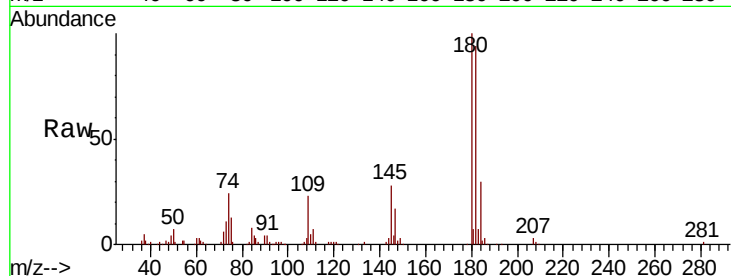
#93
 1,2,4-Trichlorobenzene
 Concen: 16.97 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0809MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	158219		
182	95.4	46.7	140.1	
145	28.2	13.8	41.4	

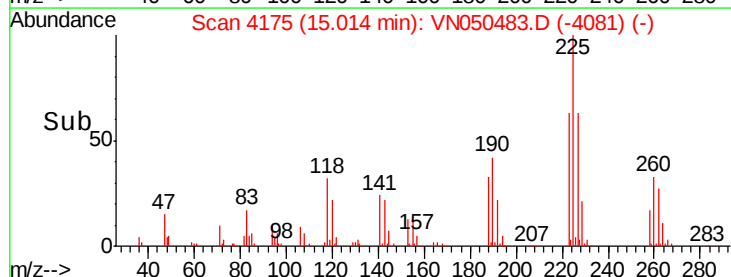
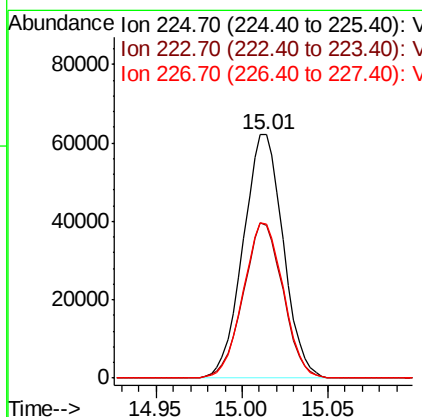
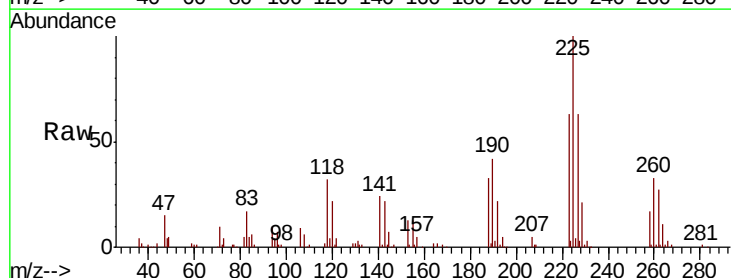
Manual Integrations
 APPROVED

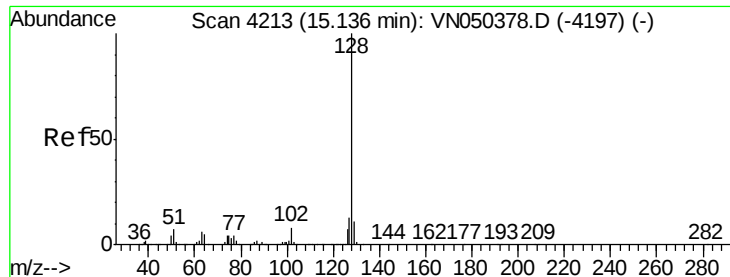
MMDadoda
 8/10/2018 10:52:49 AM



#94
 Hexachlorobutadiene
 Concen: 18.70 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100467		
223	63.0	31.4	94.2	
227	63.8	32.1	96.5	





#95

Naphthalene

Concen: 16.27 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

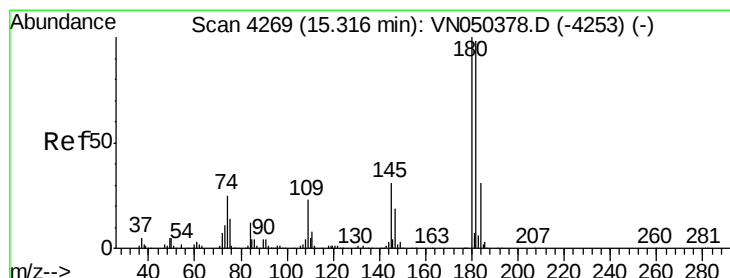
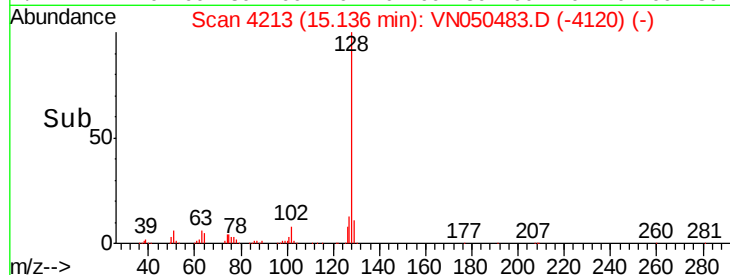
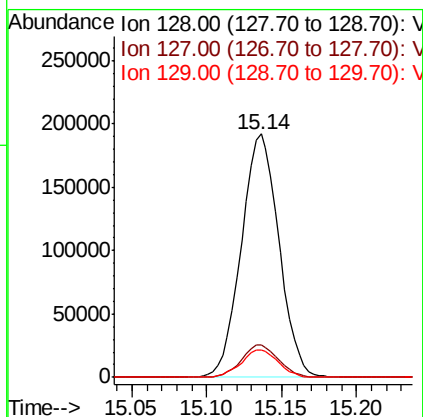
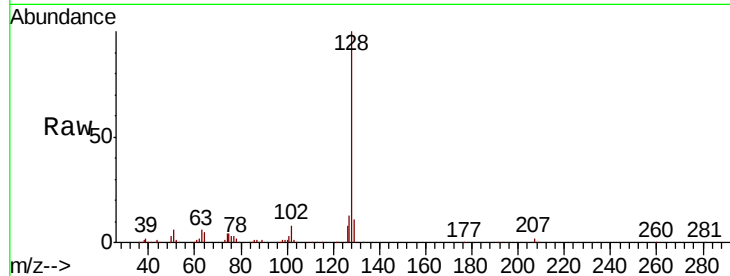
ClientSampleId :

VN0809MBSD01

Tot Ion:	128	Resp:	336517
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
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#96

1,2,3-Trichlorobenzene

Concen: 16.41 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion:	180	Resp:	154677
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.1	144.4
145	30.3	15.3	45.9

