

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054034.D
 Acq On : 1 Mar 2019 17:28
 Operator : JC/SP
 Sample : VN0302WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 1:53:41 PM

Quant Time: Mar 02 05:20:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	605627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030860	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	889846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	376973	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	388431	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	7.59	113	337953	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.09	98	1241849	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	401475	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	112614	20.204	ug/l	99
3) Chloromethane	2.06	50	165758	21.440	ug/l	99
4) Vinyl Chloride	2.19	62	164508	21.237	ug/l	100
5) Bromomethane	2.57	94	104245	20.320	ug/l	97
6) Chloroethane	2.71	64	99350	20.622	ug/l	100
7) Trichlorofluoromethane	3.02	101	205185	20.734	ug/l	98
8) Diethyl Ether	3.41	74	79877	21.544	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	129211	20.673	ug/l	93
10) Methyl Iodide	3.95	142	170292	20.735	ug/l	97
11) Tert butyl alcohol	4.78	59	46440	103.188	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	122068	20.418	ug/l	88
13) Acrolein	3.61	56	41977	90.088	ug/l	99
14) Allyl chloride	4.33	41	231235	22.052	ug/l	95
15) Acrylonitrile	4.99	53	258640	109.039	ug/l	99
16) Acetone	3.82	43	219465	109.972	ug/l	96
17) Carbon Disulfide	4.06	76	370914	19.232	ug/l	99
18) Methyl Acetate	4.32	43	118189	23.809	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	347929	21.694	ug/l	97
20) Methylene Chloride	4.55	84	147582	21.004	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	134300	20.755	ug/l	93
22) Diisopropyl ether	5.95	45	458737	22.677	ug/l	93
23) Vinyl Acetate	5.90	43	1568283	107.768	ug/l	94
24) 1,1-Dichloroethane	5.85	63	266971	21.521	ug/l	99
25) 2-Butanone	6.84	43	301323	108.097	ug/l	92
26) 2,2-Dichloropropane	6.83	77	191919	21.776	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	151592	21.066	ug/l	92
28) Bromochloromethane	7.19	49	133591	23.527	ug/l #	81
29) Tetrahydrofuran	7.21	42	198682	107.031	ug/l	91
30) Chloroform	7.37	83	258495	21.490	ug/l	99
31) Cyclohexane	7.65	56	247137	21.536	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	212244	21.400	ug/l	96
36) 1,1-Dichloropropene	7.79	75	192046	20.033	ug/l	97
37) Ethyl Acetate	6.93	43	126904	18.539	ug/l	97
38) Carbon Tetrachloride	7.77	117	182096	18.264	ug/l	98

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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)
39) Methylcyclohexane	9.08	83	217368	18.812	ug/l	94
40) Benzene	8.04	78	591752	20.093	ug/l	99
41) Methacrylonitrile	7.21	41	193011	43.789	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	186310	20.434	ug/l	97
43) Isopropyl Acetate	8.16	43	219925	19.029	ug/l #	90
44) Trichloroethene	8.84	130	146659	18.784	ug/l	94
45) 1,2-Dichloropropane	9.12	63	161410	20.314	ug/l	98
46) Dibromomethane	9.21	93	90048	19.521	ug/l	92
47) Bromodichloromethane	9.40	83	194173	19.974	ug/l	98
48) Methyl methacrylate	9.20	41	107787	20.275	ug/l	91
49) 1,4-Dioxane	9.20	88	28101	390.272	ug/l #	91
51) 4-Methyl-2-Pentanone	9.98	43	613534	103.305	ug/l	95
52) Toluene	10.16	92	350916	20.236	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	186402	19.707	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	220190	19.747	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	128995	19.918	ug/l	98
56) Ethyl methacrylate	10.43	69	150563	18.992	ug/l	90
57) 1,3-Dichloropropane	10.71	76	217432	19.870	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	334205	93.547	ug/l	95
59) 2-Hexanone	10.75	43	387301	100.268	ug/l	93
60) Dibromochloromethane	10.90	129	138637	19.262	ug/l	99
61) 1,2-Dibromoethane	11.00	107	118800	19.016	ug/l	100
64) Tetrachloroethene	10.63	164	147677	19.599	ug/l	96
65) Chlorobenzene	11.43	112	366180	19.498	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	131899	19.488	ug/l	99
67) Ethyl Benzene	11.51	91	627197	19.922	ug/l	99
68) m/p-Xylenes	11.62	106	483008	40.649	ug/l	97
69) o-Xylene	11.95	106	232538	19.917	ug/l	98
70) Styrene	11.96	104	366116	20.387	ug/l	98
71) Bromoform	12.13	173	88526	18.801	ug/l #	100
73) Isopropylbenzene	12.25	105	612958	20.888	ug/l	98
74) N-amyl acetate	12.07	43	163626	21.275	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	150549	20.516	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125560m	20.763	ug/l	
77) Bromobenzene	12.53	156	151244	20.300	ug/l	89
78) n-propylbenzene	12.59	91	699011	20.946	ug/l	97
79) 2-Chlorotoluene	12.67	91	421422	21.021	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	511541	21.293	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	36912	19.292	ug/l	89
82) 4-Chlorotoluene	12.77	91	414545	20.922	ug/l	96
83) tert-Butylbenzene	12.99	119	438666	20.646	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	501683	20.918	ug/l	99
85) sec-Butylbenzene	13.17	105	595146	20.508	ug/l	98
86) p-Isopropyltoluene	13.29	119	501669	20.449	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	258015	20.019	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	248839	19.901	ug/l	98
89) n-Butylbenzene	13.62	91	411788	19.917	ug/l	98
90) Hexachloroethane	13.87	117	89628	18.853	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	253105	20.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21681	20.907	ug/l	83

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0302WBS01

Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	108949	17.247	ug/l	98
94) Hexachlorobutadiene	15.01	225	83050	18.428	ug/l	99
95) Naphthalene	15.13	128	213570	16.601	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	109556	17.528	ug/l	99

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

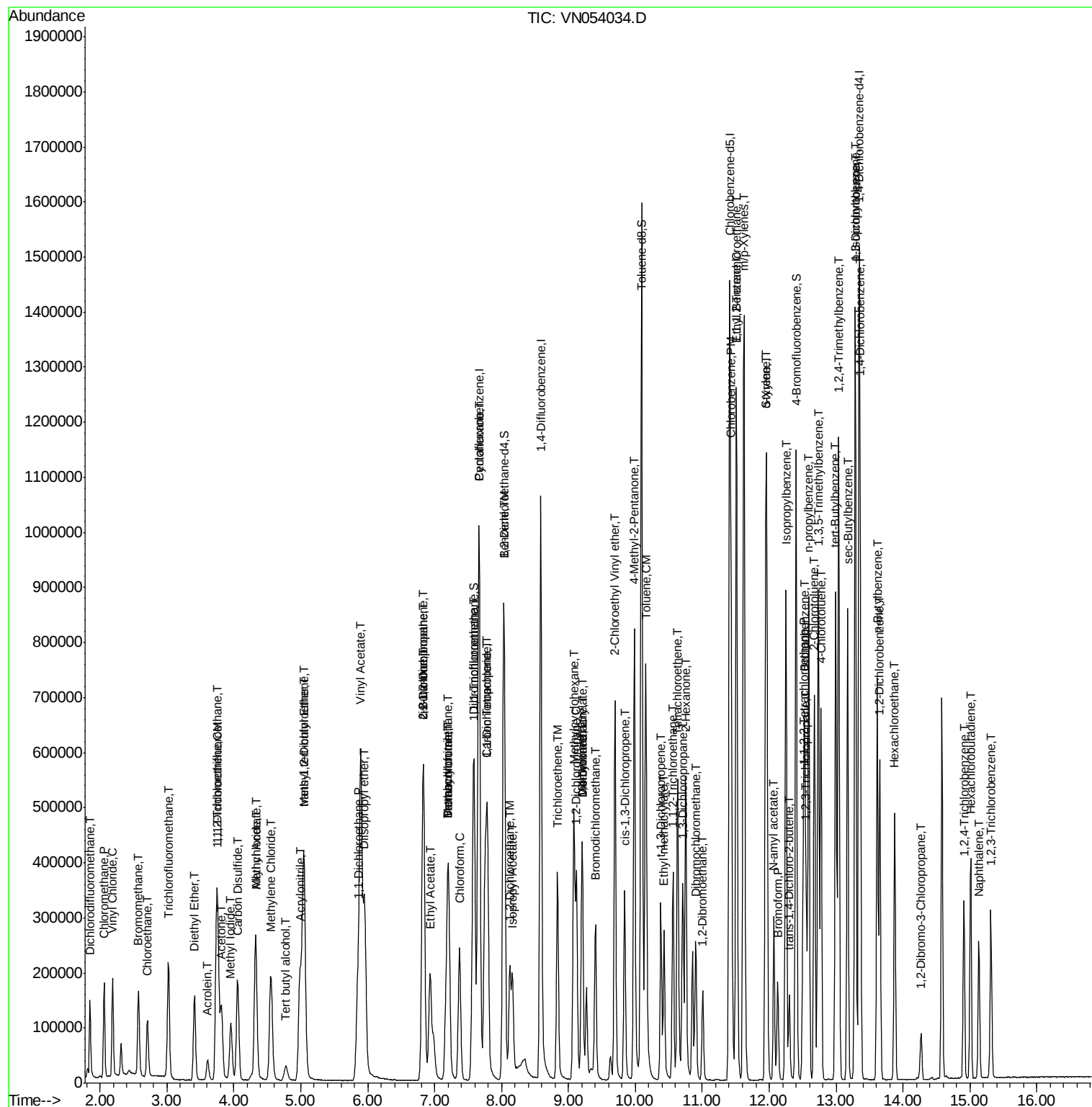
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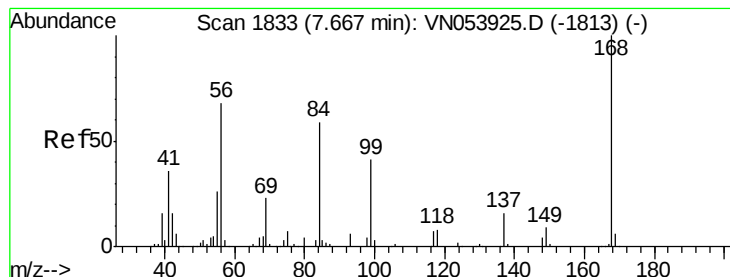
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampled :

VN0302WBS01

Tot Ion:168 Resp: 605627

Ion Ratio Lower Upper

168 100

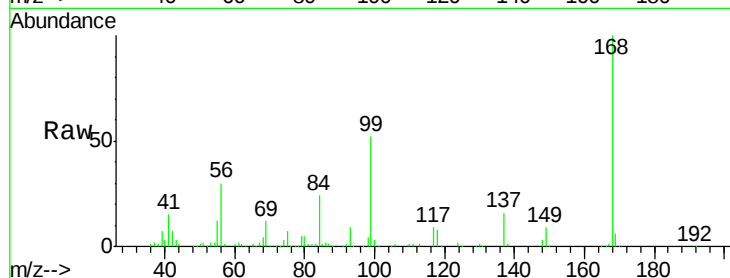
99 50.1 36.9 55.3

Manual Integrations

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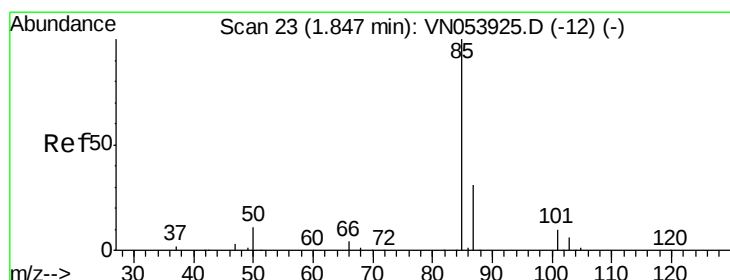
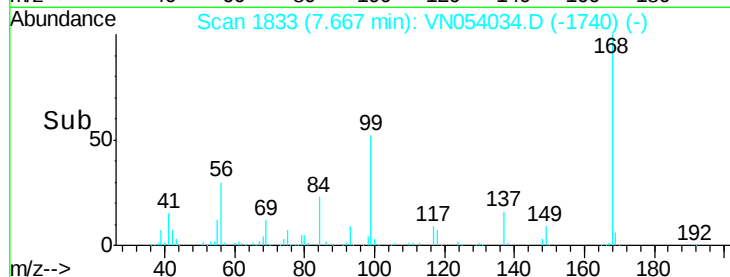
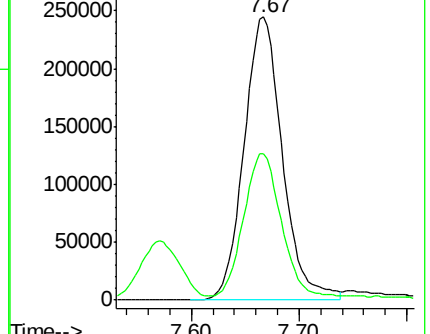
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 20.204 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054034.D

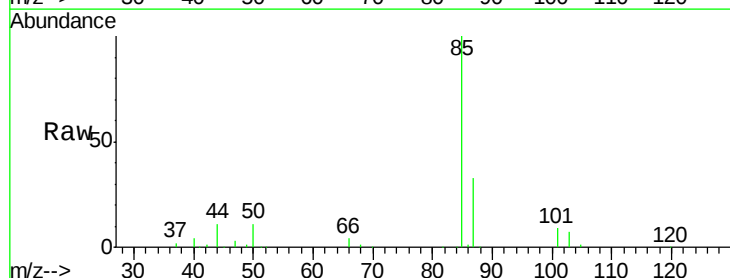
Acq: 1 Mar 2019 17:28

Tgt Ion: 85 Resp: 112614

Ion Ratio Lower Upper

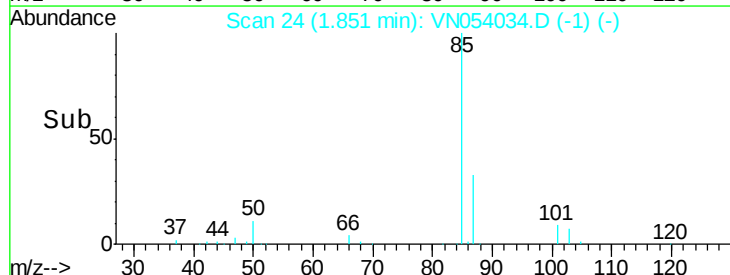
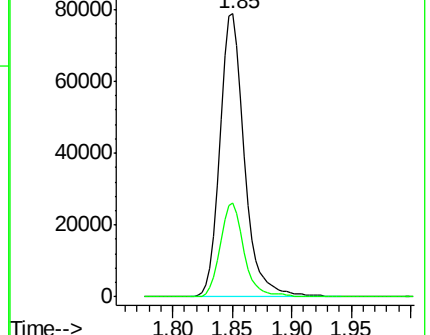
85 100

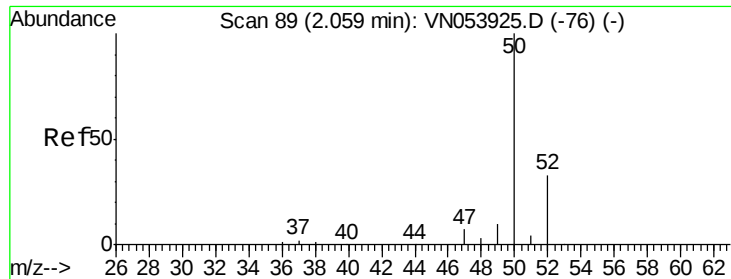
87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 21.440 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 50 Resp: 165758

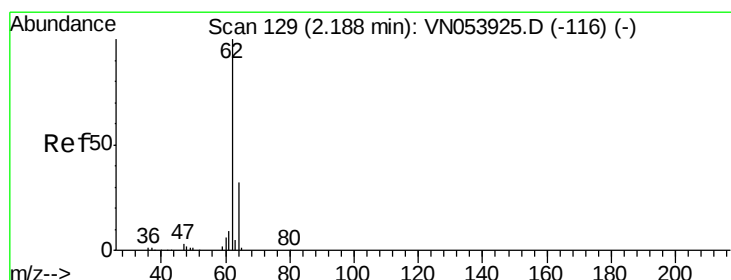
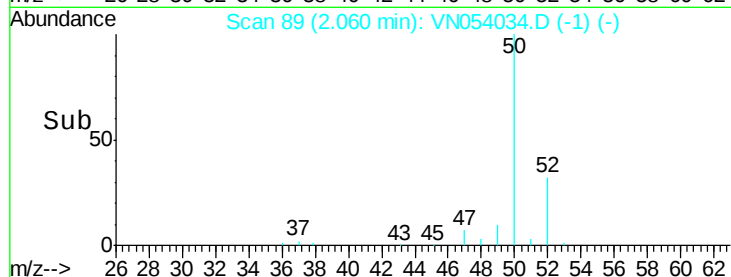
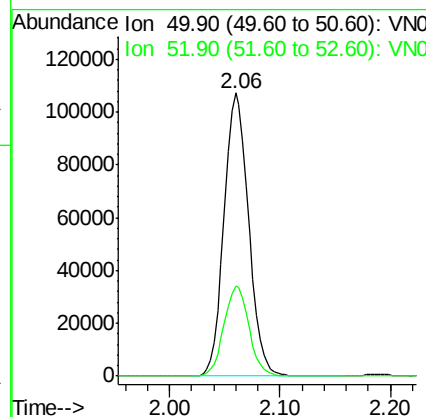
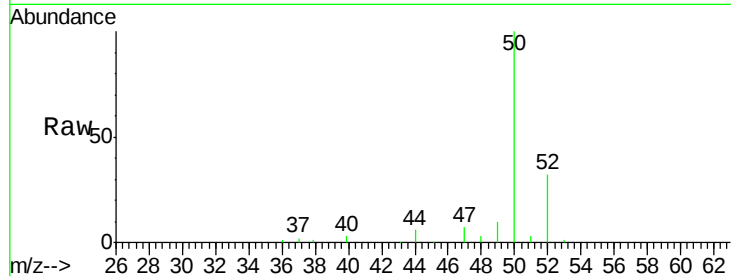
Ion Ratio Lower Upper

50 100

52 31.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 21.237 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054034.D

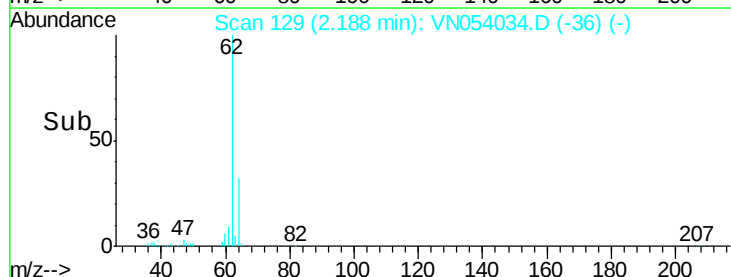
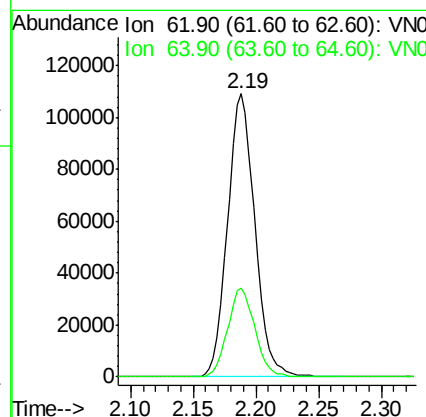
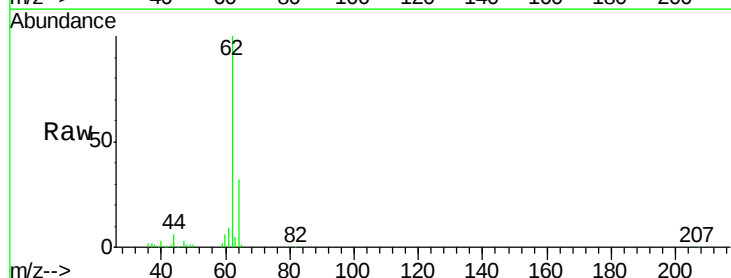
Acq: 1 Mar 2019 17:28

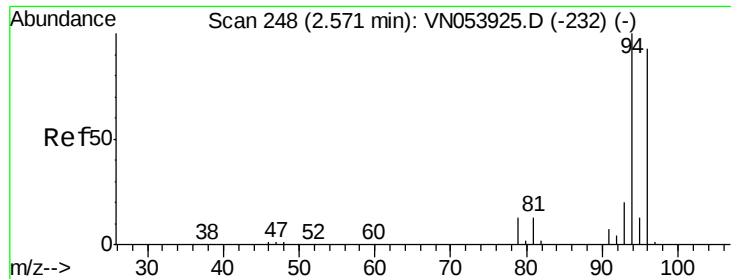
Tgt Ion: 62 Resp: 164508

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





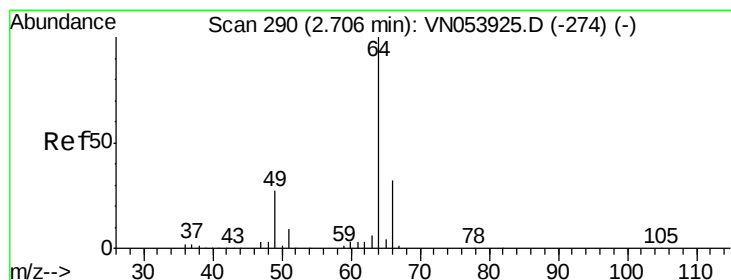
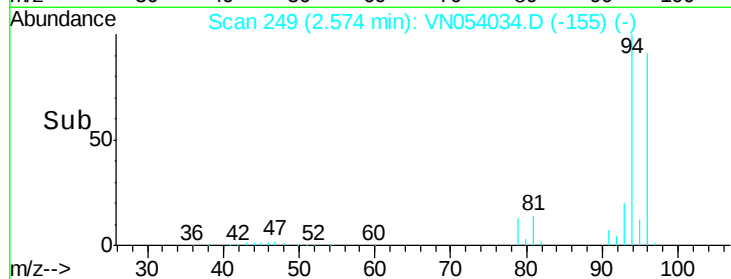
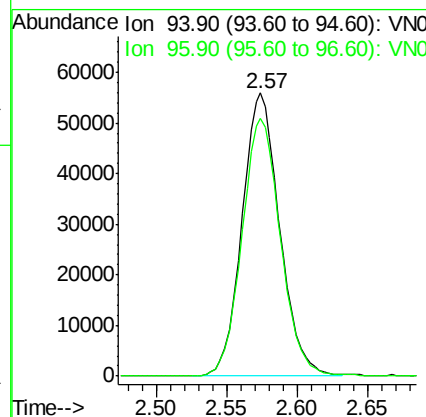
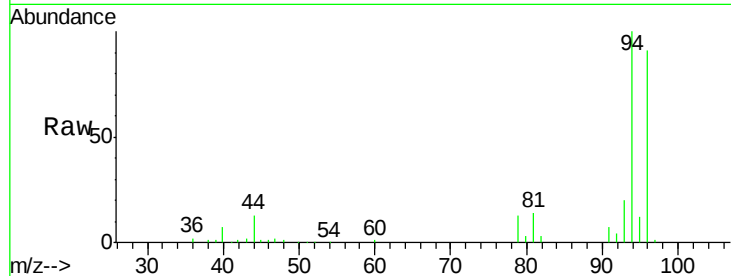
#5
Bromomethane
Concen: 20.320 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion: 94 Resp: 104245
Ion Ratio Lower Upper
94 100
96 91.0 74.9 112.3

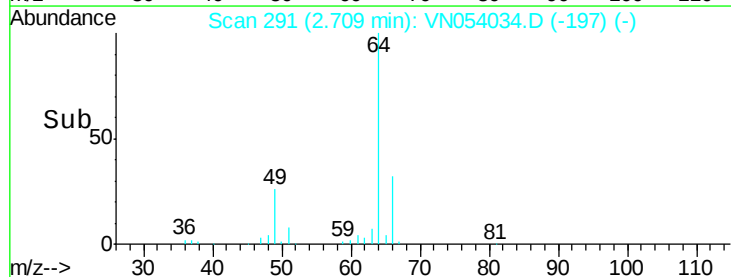
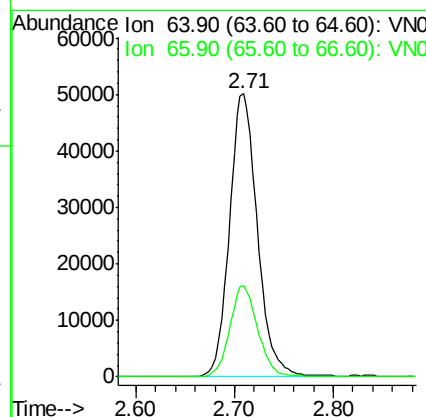
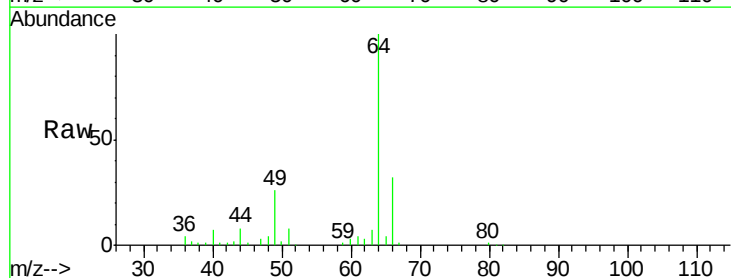
Manual Integrations
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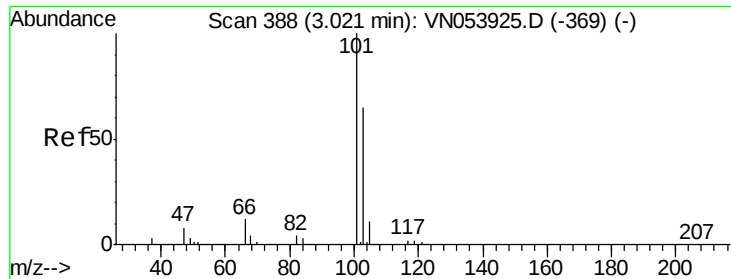
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#6
Chloroethane
Concen: 20.622 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion: 64 Resp: 99350
Ion Ratio Lower Upper
64 100
66 32.1 25.5 38.3





#7

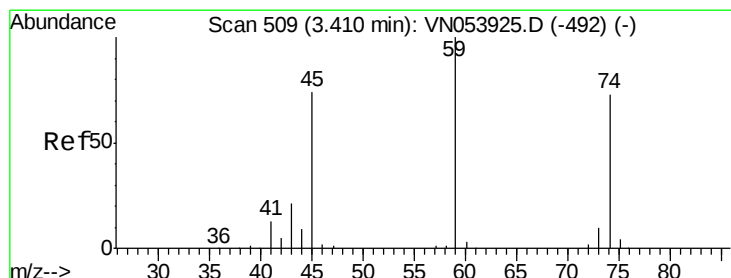
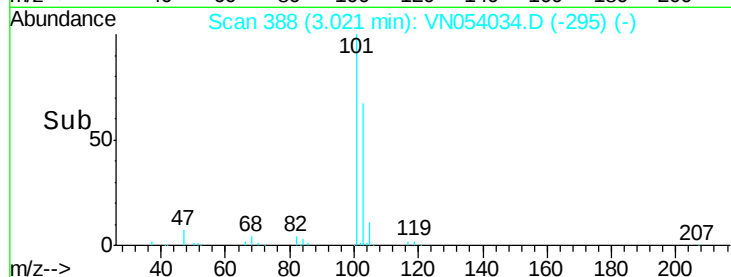
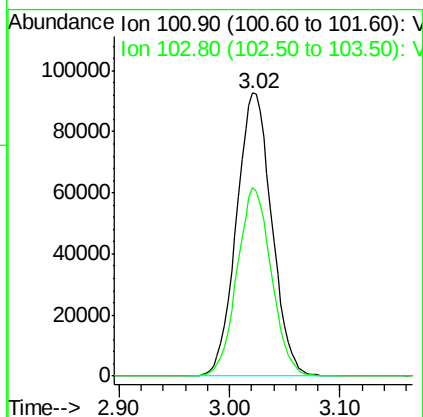
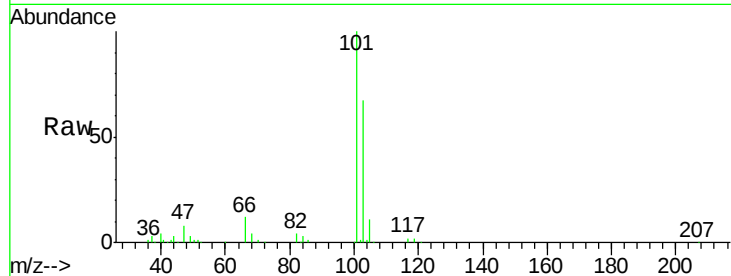
Trichlorofluoromethane
Concen: 20.734 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampled :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.9	77.9

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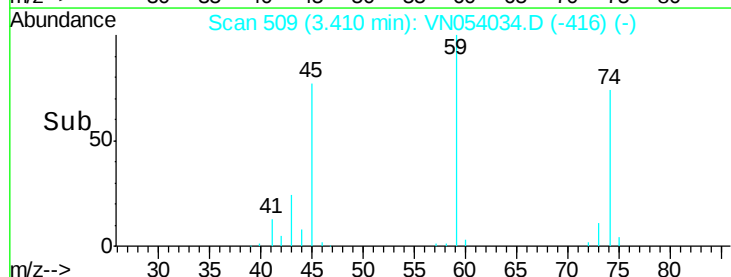
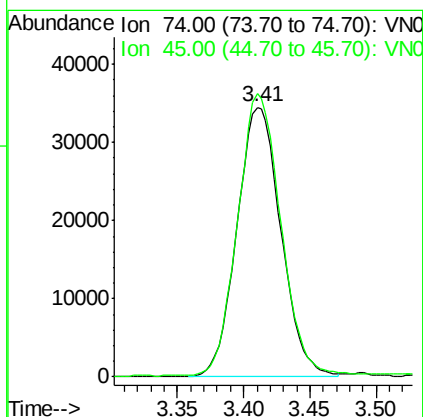
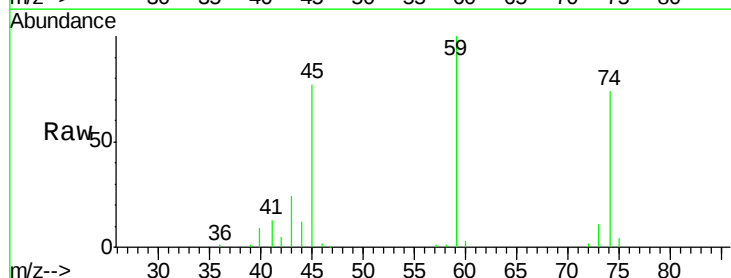
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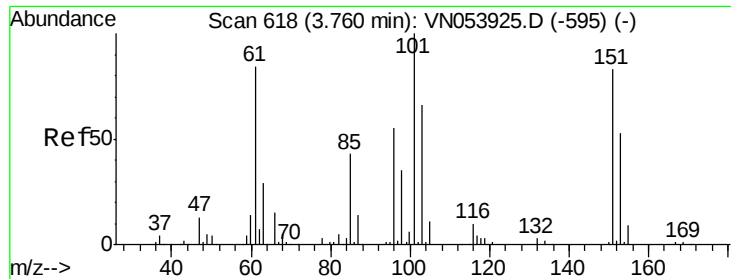


#8

Diethyl Ether
Concen: 21.544 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	46.9	140.6





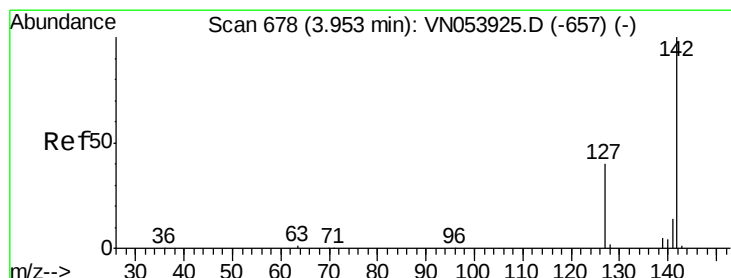
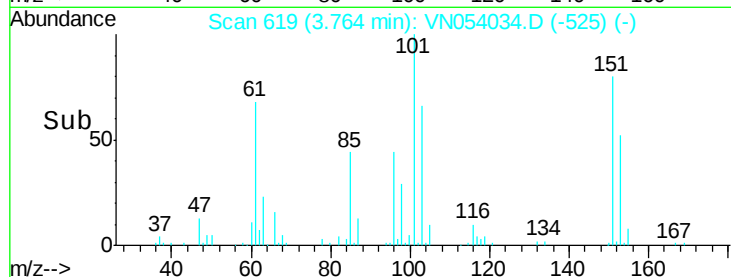
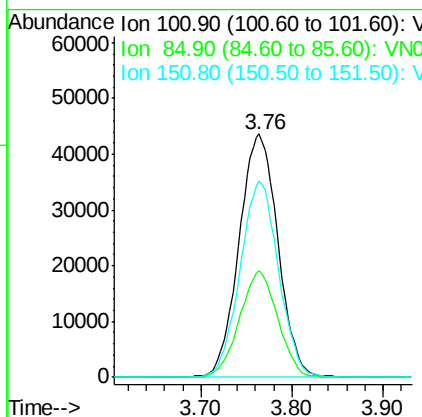
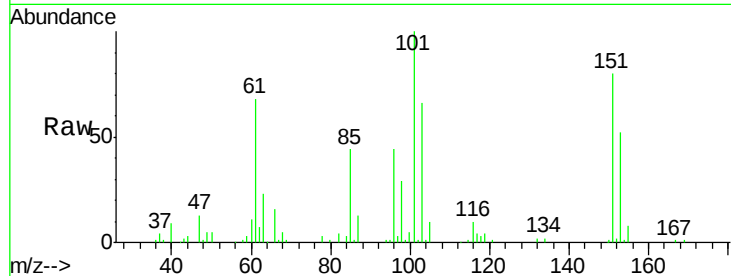
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.673 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	129211		
85	43.1	32.5	48.7	
151	80.0	70.2	105.2	

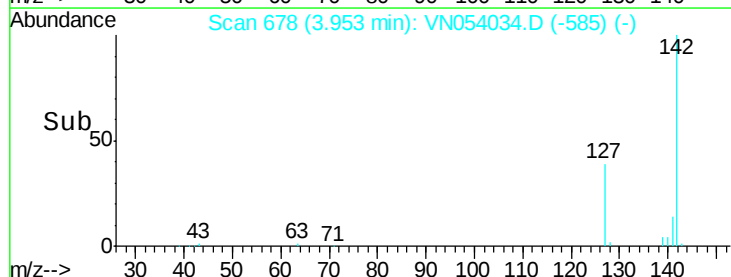
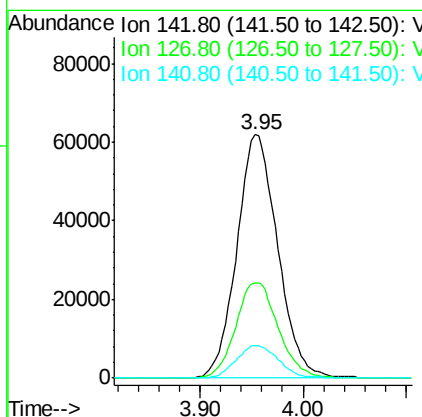
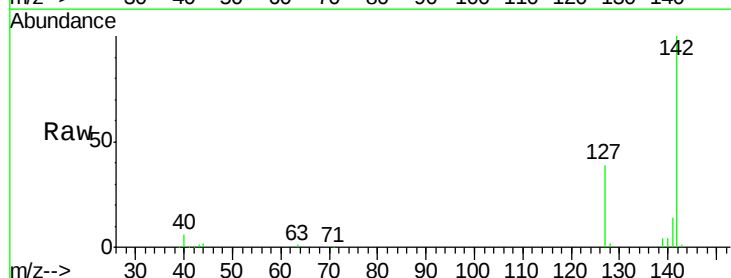
Manual Integrations
 APPROVED

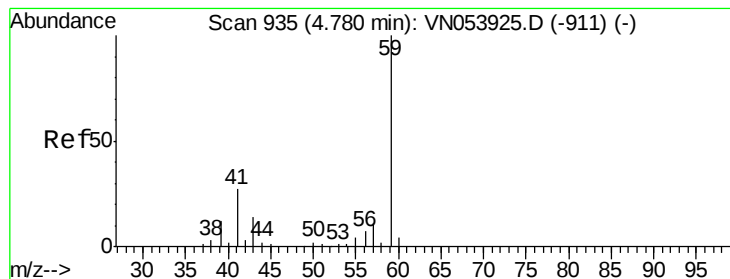
MMDadoda
 3/4/2019 1:53:41 PM



#10
 Methyl Iodide
 Concen: 20.735 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	170292		
127	40.9	31.0	46.4	
141	13.9	11.3	16.9	





#11

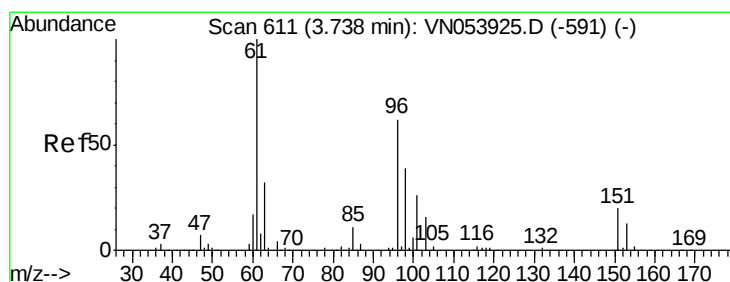
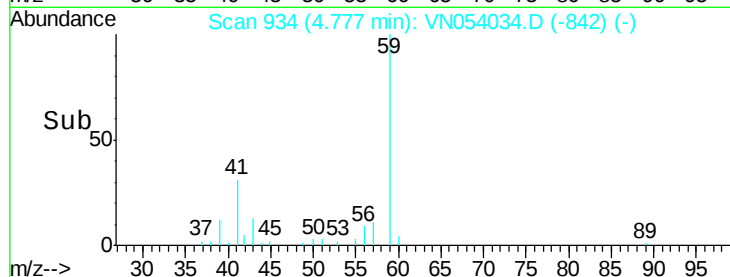
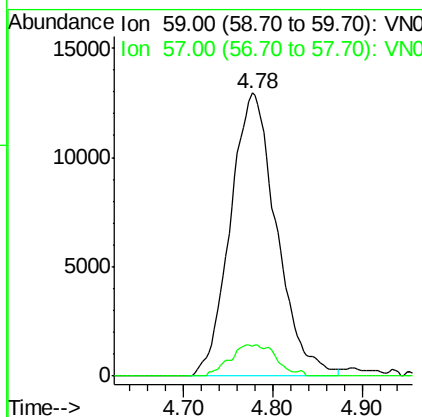
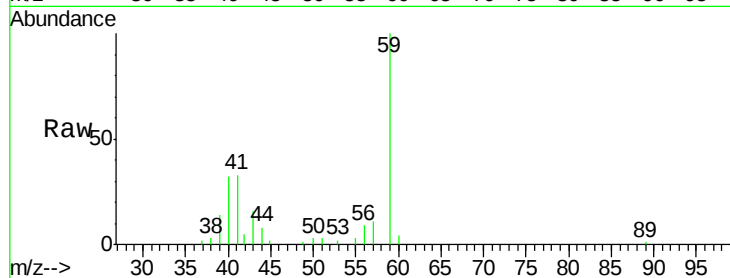
Tert butyl alcohol
 Concen: 103.188 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.4	8.1	12.1#

Manual Integrations
 APPROVED

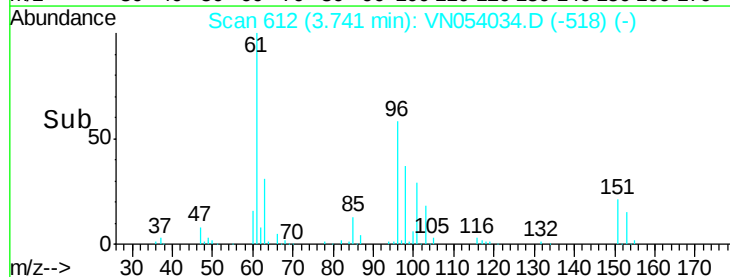
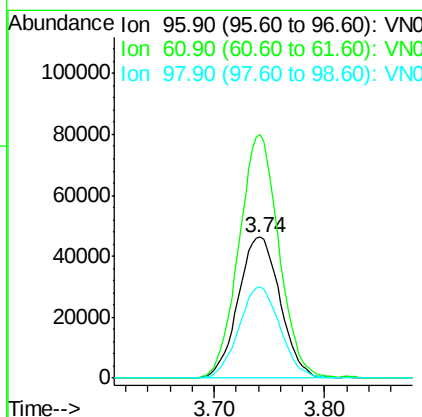
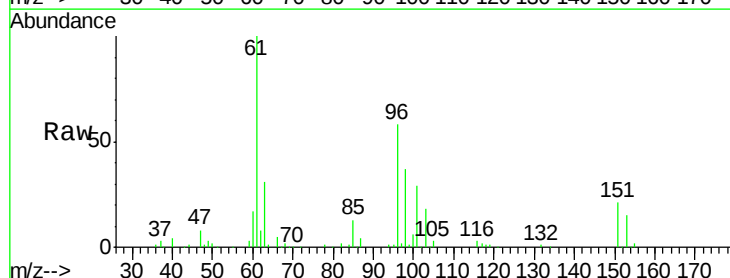
MMDadoda
 3/4/2019 1:53:41 PM

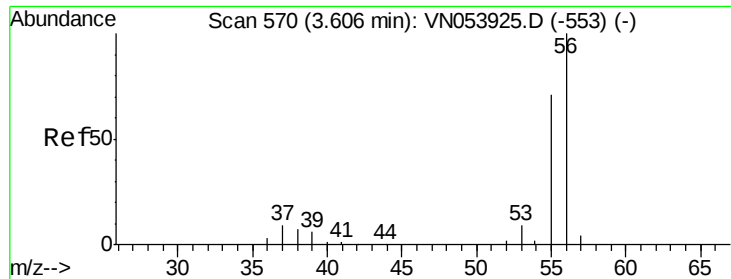


#12

1,1-Dichloroethene
 Concen: 20.418 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.7	121.0	181.4
98	64.7	52.2	78.2





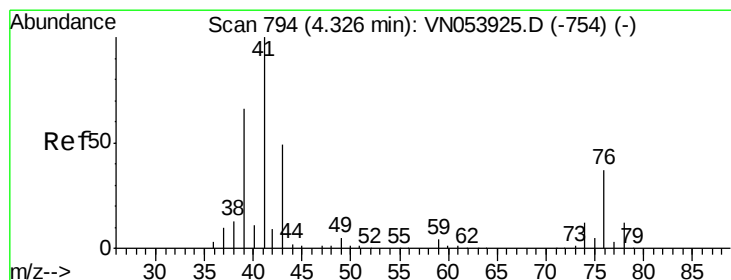
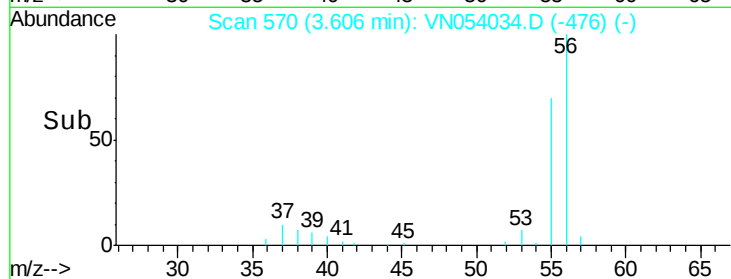
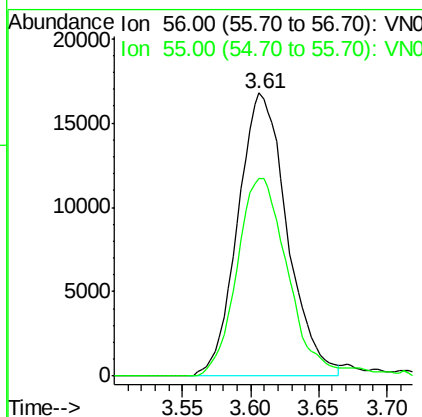
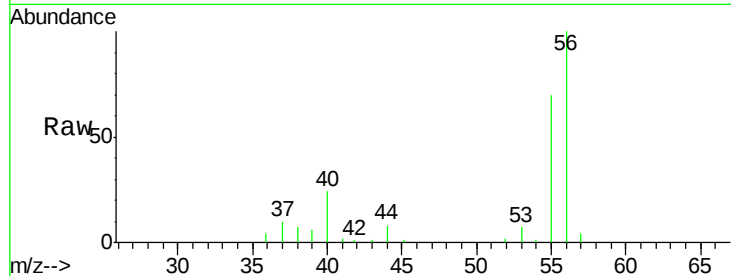
#13
Acrolein
Concen: 90.088 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	56	Resp	41977
Ion Ratio	100	Lower	Upper
55	71.1	56.3	84.5

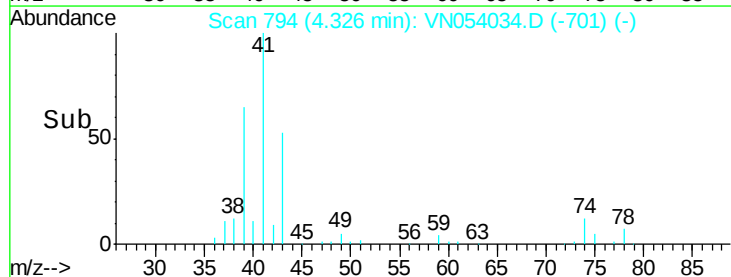
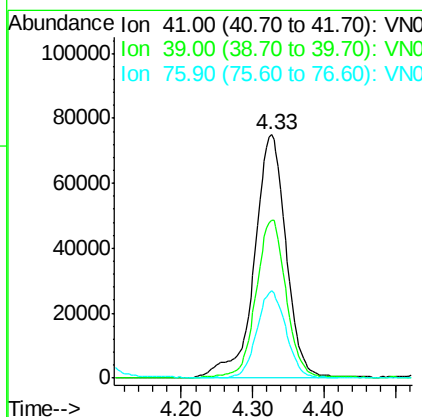
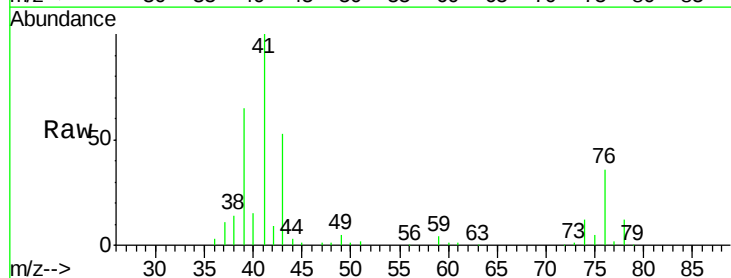
Manual Integrations
APPROVED

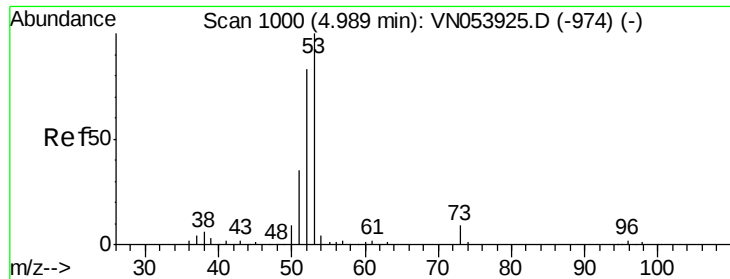
MMDadoda
3/4/2019 1:53:41 PM



#14
Allyl chloride
Concen: 22.052 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	41	Resp	231235
Ion Ratio	100	Lower	Upper
39	62.2	48.8	73.2
76	32.9	30.9	46.3





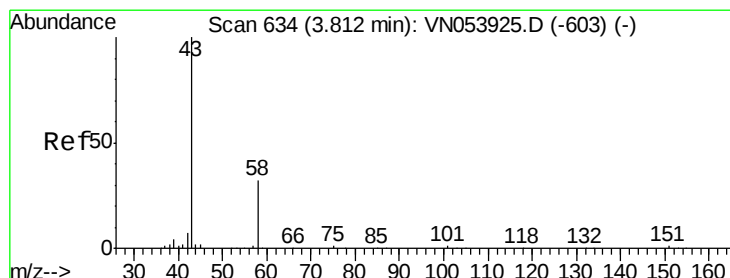
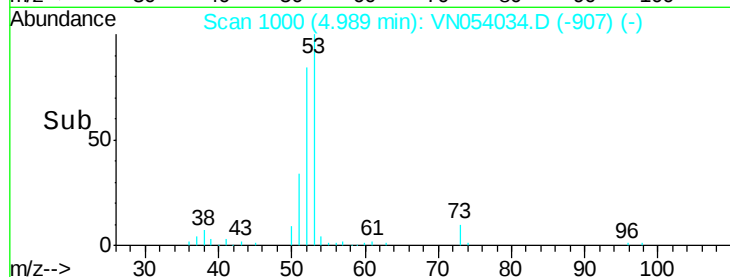
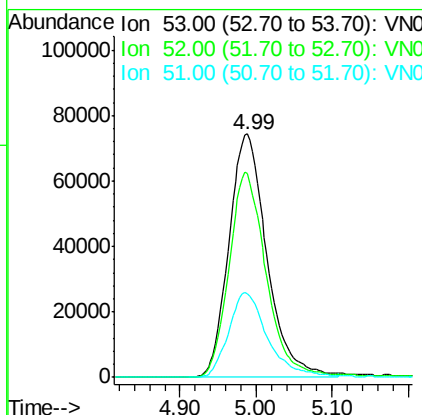
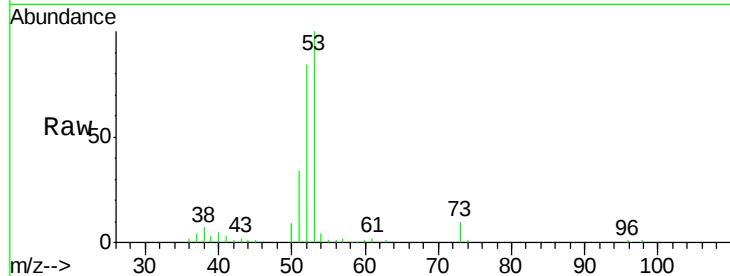
#15
 Acrylonitrile
 Concen: 109.039 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Tot Ion:	53	Resp:	258640
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.1	97.7
51	35.4	28.2	42.4

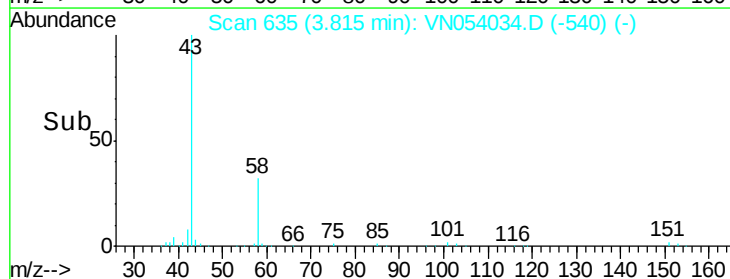
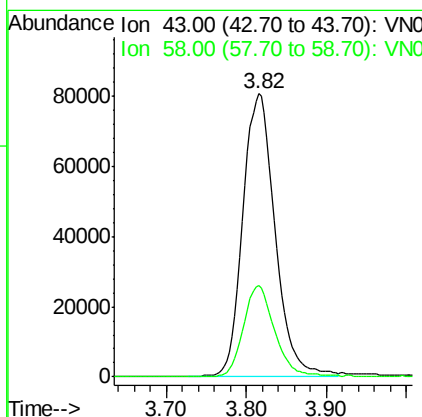
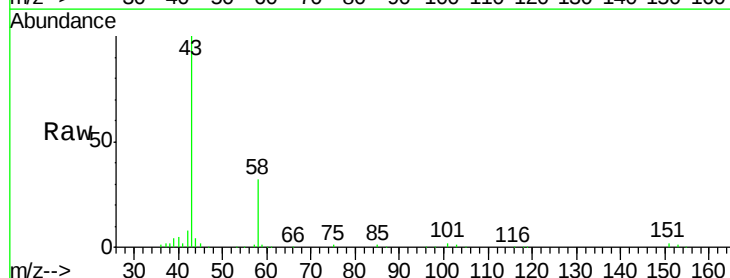
Manual Integrations
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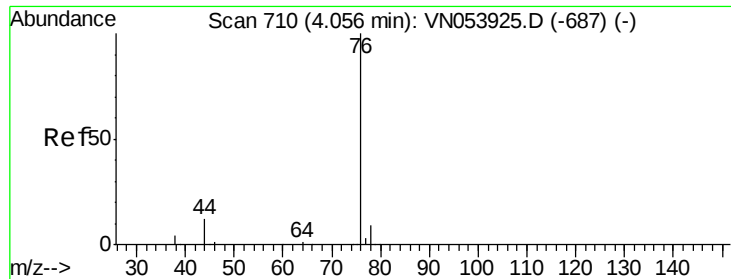
MMDadoda
 3/4/2019 1:53:41 PM



#16
 Acetone
 Concen: 109.972 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion:	43	Resp:	219465
Ion Ratio	Lower	Upper	
43	100		
58	32.3	27.6	41.4





#17

Carbon Disulfide

Concen: 19.232 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 76 Resp: 370914

Ion Ratio Lower Upper

76 100

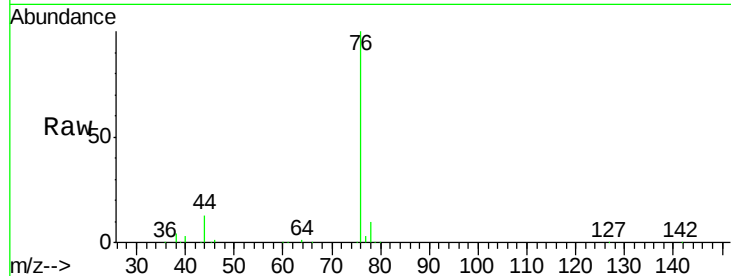
78 9.7 7.5 11.3

Manual Integrations

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MMDadoda

3/4/2019 1:53:41 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.06

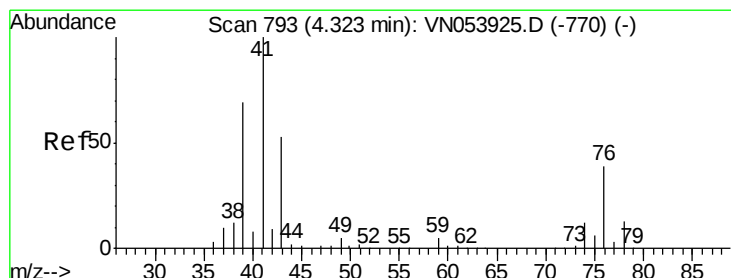
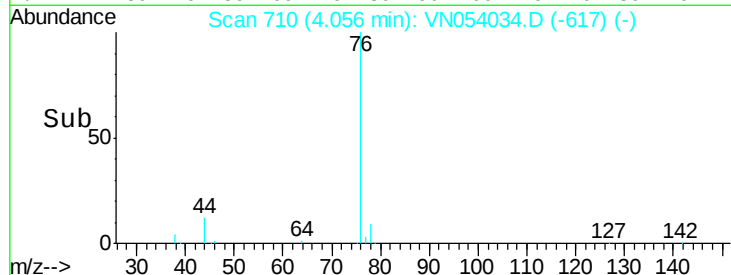
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 23.809 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054034.D

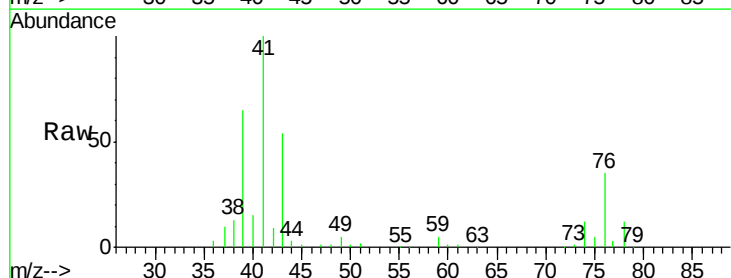
Acq: 1 Mar 2019 17:28

Tgt Ion: 43 Resp: 118189

Ion Ratio Lower Upper

43 100

74 21.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

40000

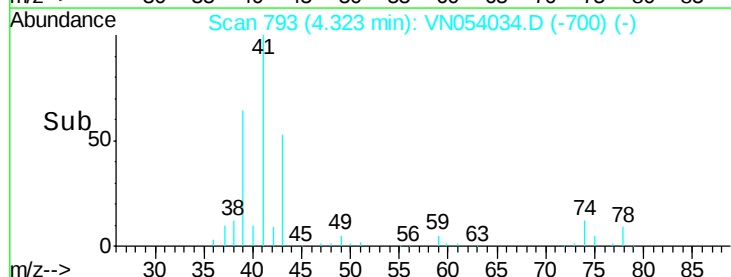
30000

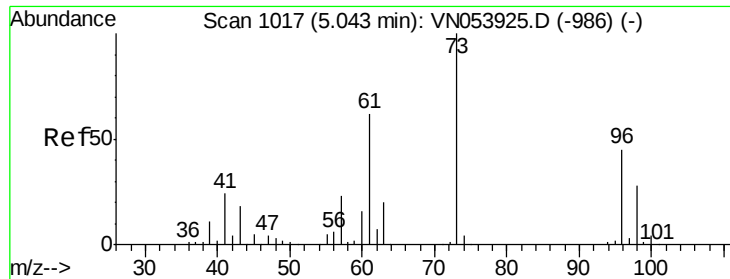
20000

10000

0

Time-->





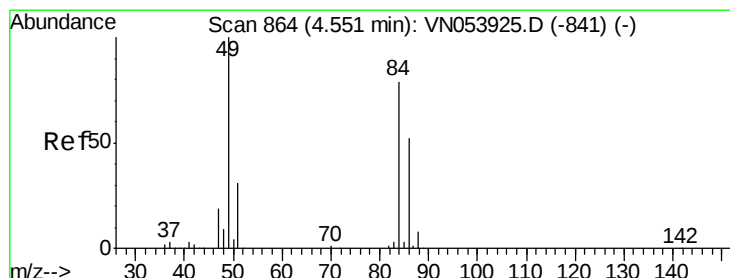
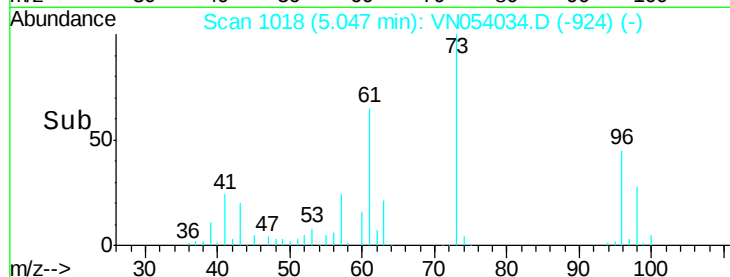
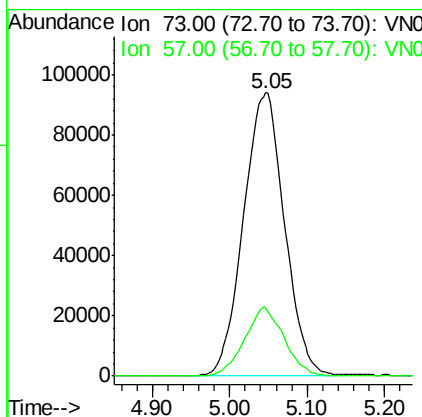
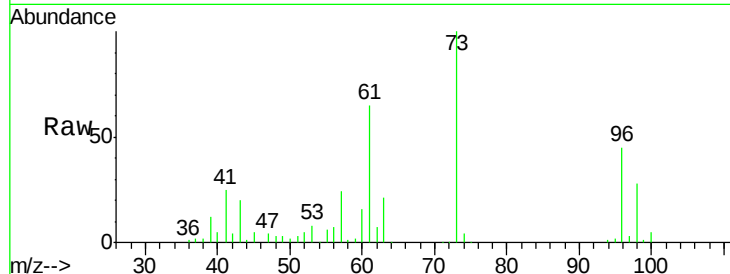
#19
Methvl tert-butvl Ether
Concen: 21.694 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion: 73 Resp: 347929
Ion Ratio Lower Upper
73 100
57 24.2 18.0 27.0

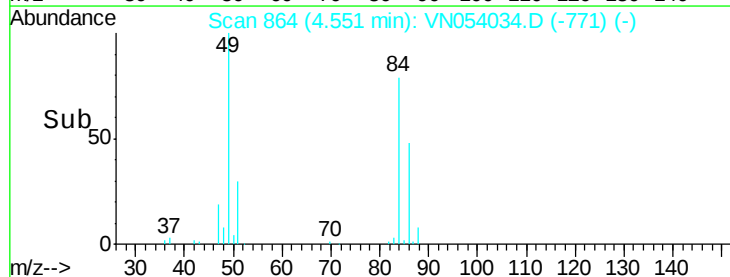
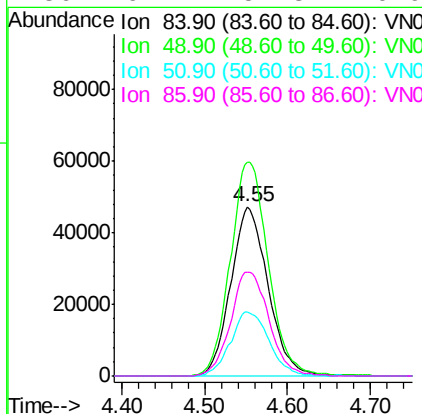
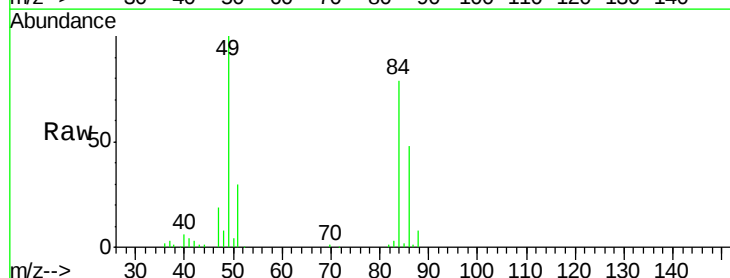
Manual Integrations
APPROVED

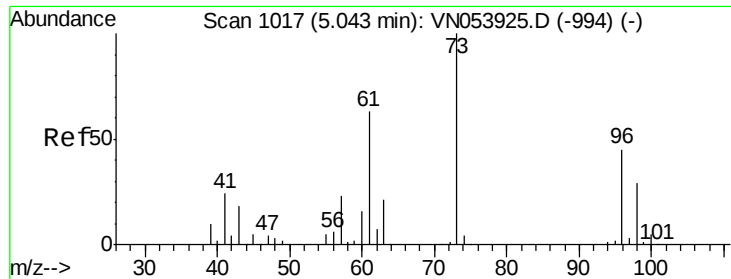
MMDadoda
3/4/2019 1:53:41 PM



#20
Methylene Chloride
Concen: 21.004 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion: 84 Resp: 147582
Ion Ratio Lower Upper
84 100
49 126.4 89.7 134.5
51 38.2 27.8 41.8
86 61.2 51.3 76.9





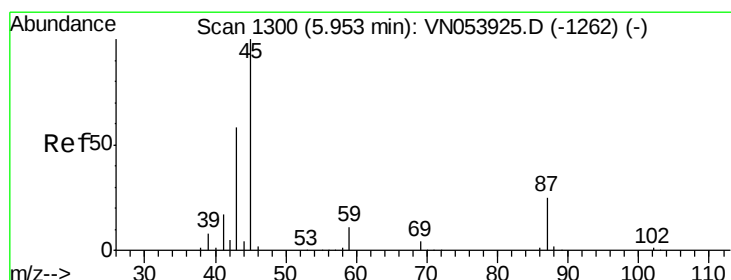
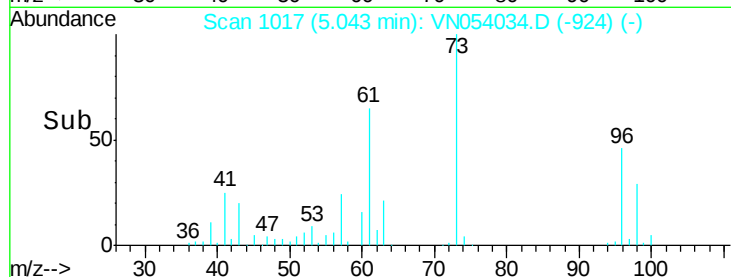
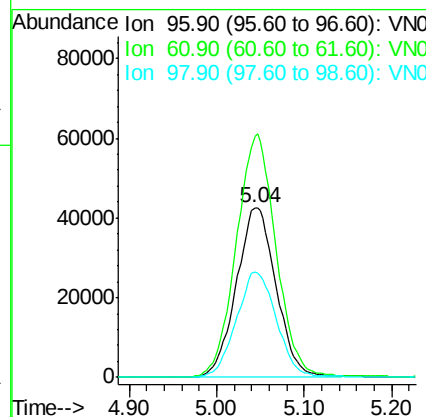
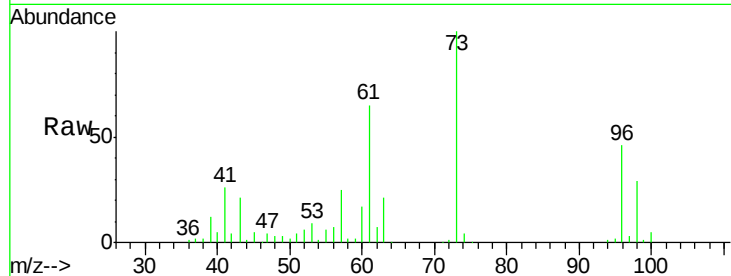
#21
trans-1,2-Dichloroethene
Concen: 20.755 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	104.5	156.7
98	62.3	50.6	76.0

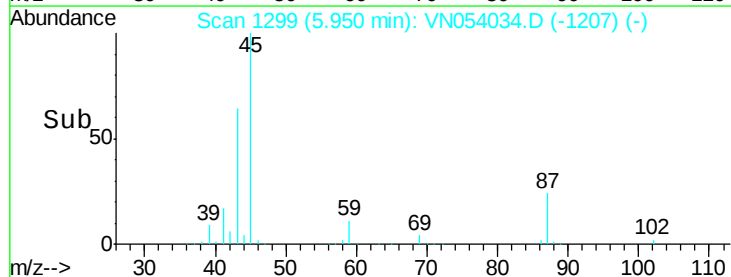
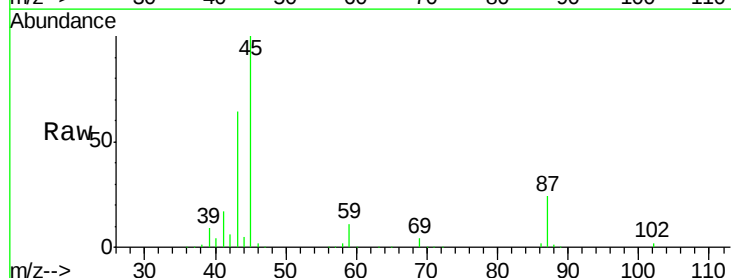
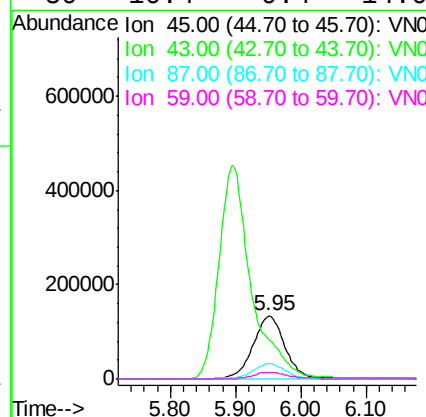
Manual Integrations
APPROVED

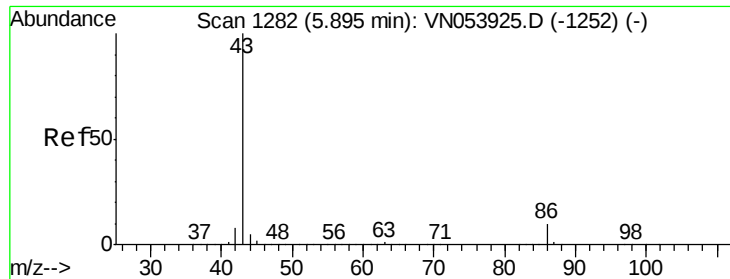
MMDadoda
3/4/2019 1:53:41 PM



#22
Diisopropyl ether
Concen: 22.677 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	46.2	69.4
87	23.6	23.4	35.0
59	10.4	9.4	14.0





#23

Vinyl Acetate

Concen: 107.768 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampled :

VN0302WBS01

Tot Ion: 43 Resp: 1568283

Ion Ratio Lower Upper

43 100

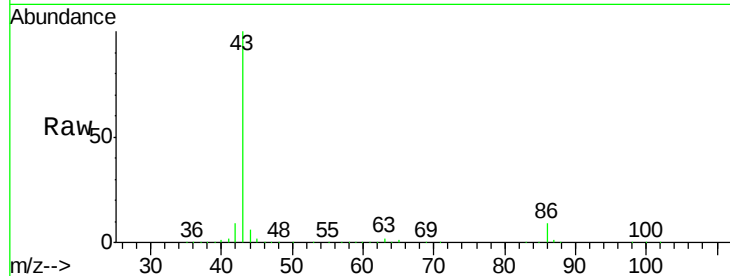
86 9.2 9.1 13.7

Manual Integrations

APPROVED

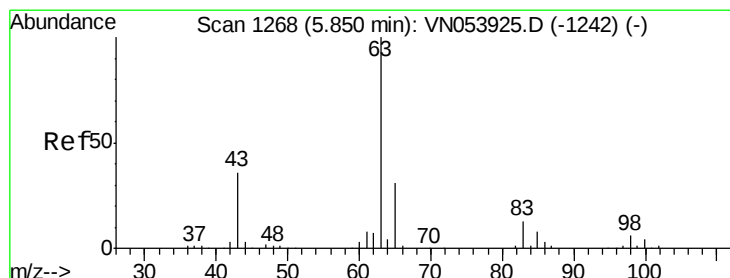
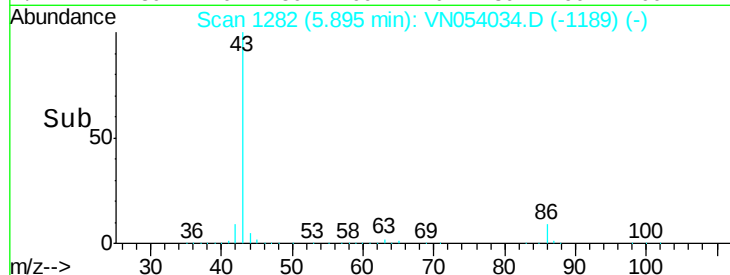
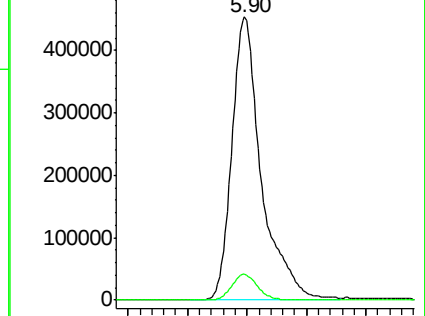
MMDadoda

3/4/2019 1:53:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.521 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

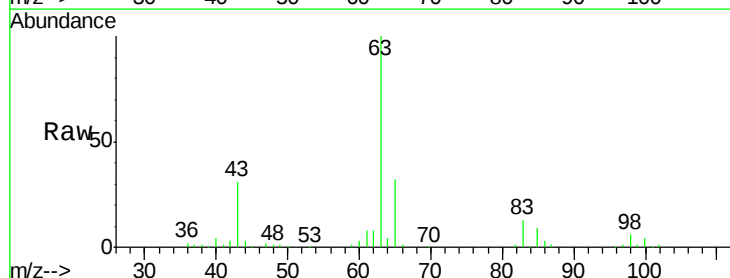
Tgt Ion: 63 Resp: 266971

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

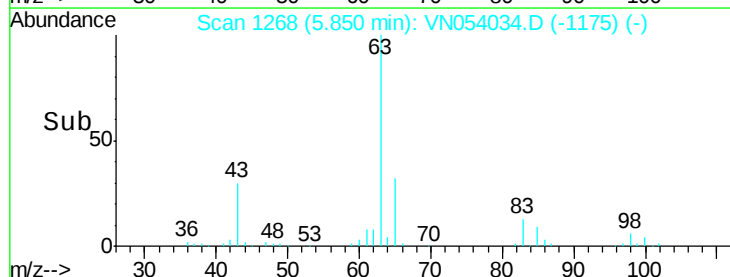
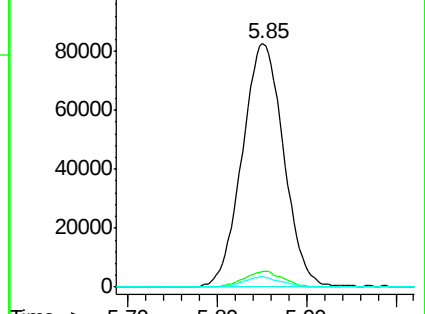
100 4.3 2.2 6.6

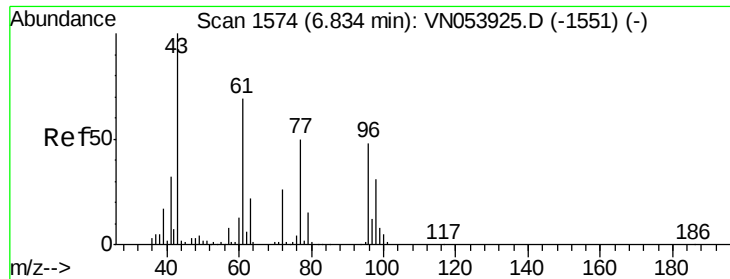


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 108.097 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 43 Resp: 301323

Ion Ratio Lower Upper

43 100

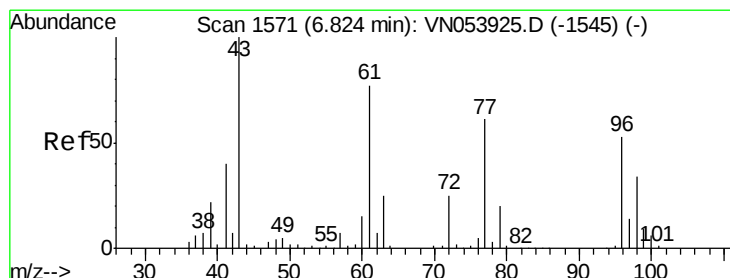
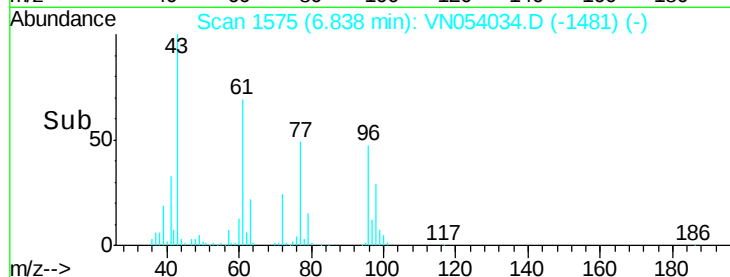
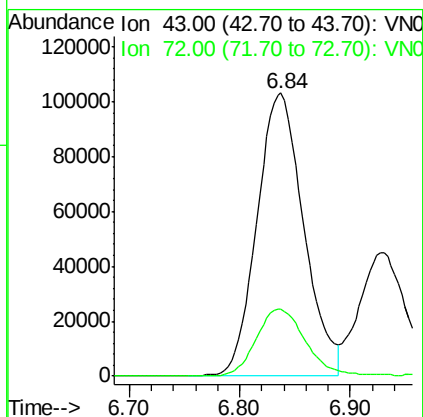
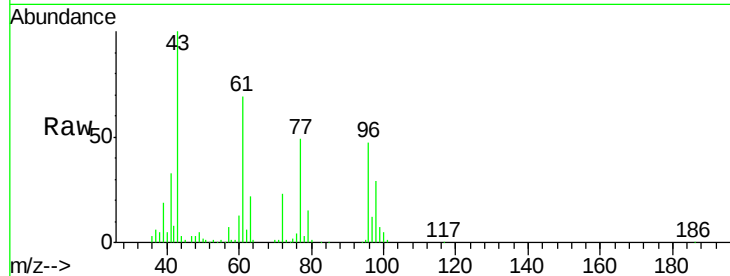
72 23.5 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 21.776 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054034.D

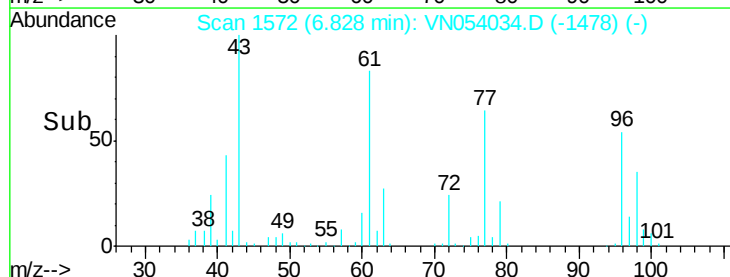
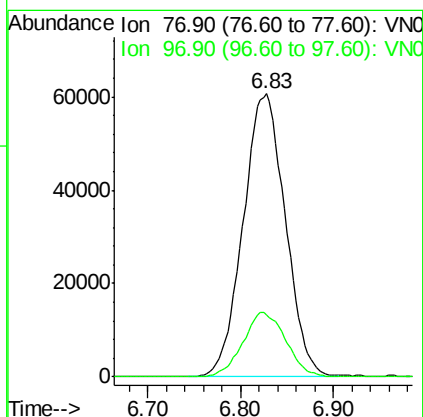
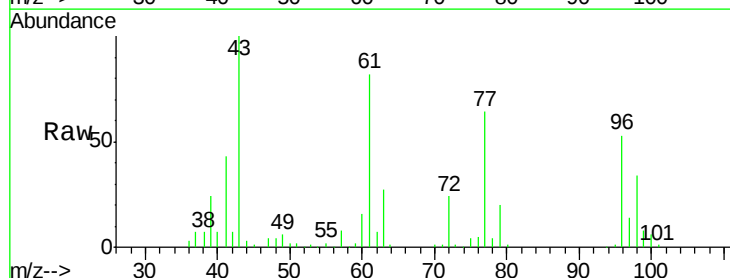
Acq: 1 Mar 2019 17:28

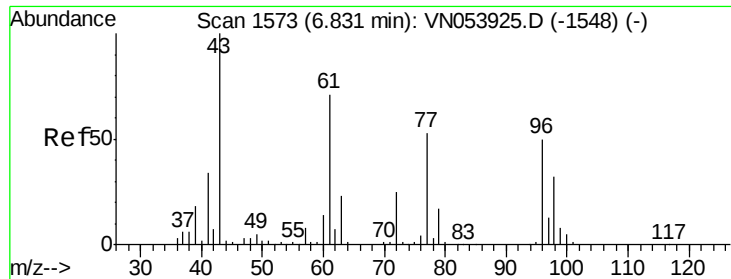
Tgt Ion: 77 Resp: 191919

Ion Ratio Lower Upper

77 100

97 23.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 21.066 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

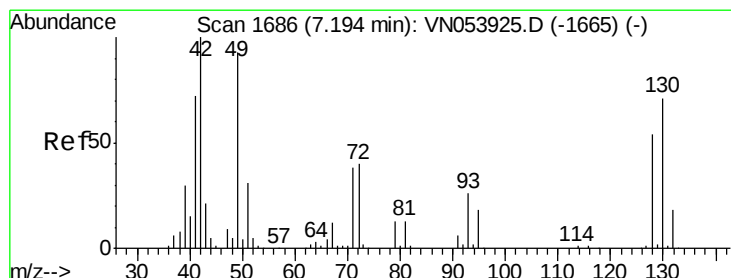
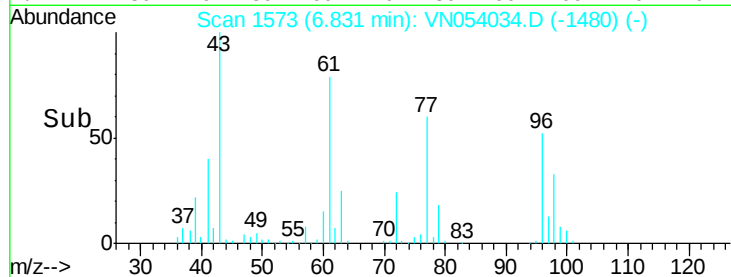
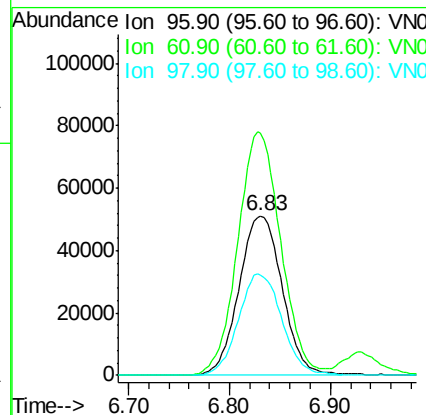
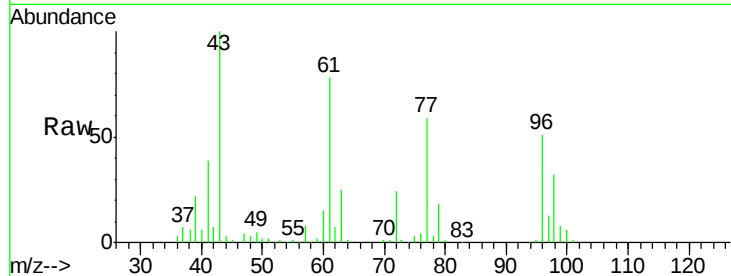
ClientSampled :

VN0302WBS01

Tot Ion:	96	Resp:	151592
Ion Ratio	Lower	Upper	
96	100		
61	152.4	0.0	275.6
98	64.4	0.0	130.0

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#28

Bromochloromethane

Concen: 23.527 ug/l

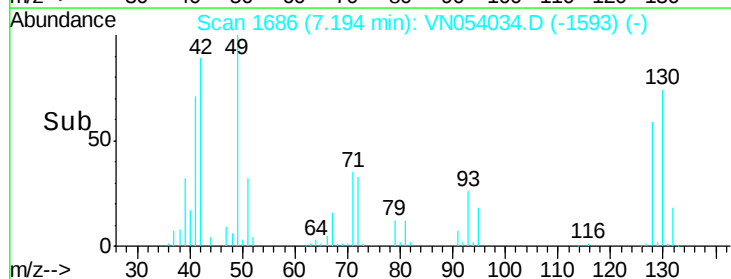
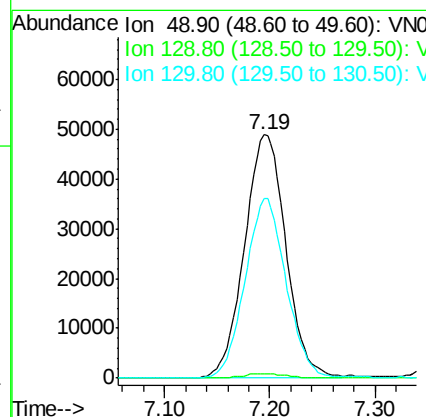
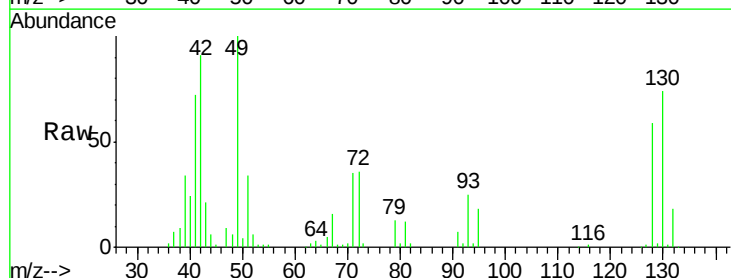
RT: 7.19 min Scan# 1686

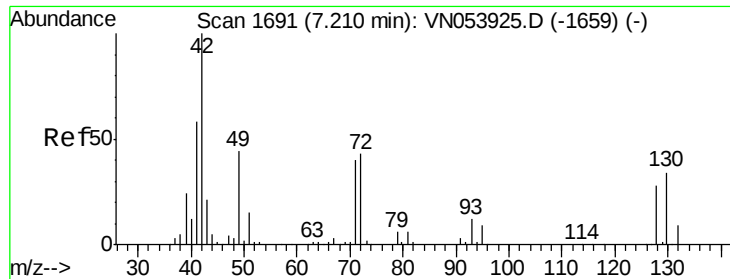
Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Tgt Ion:	49	Resp:	133591
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	4.6
130	72.9	72.9	109.3#





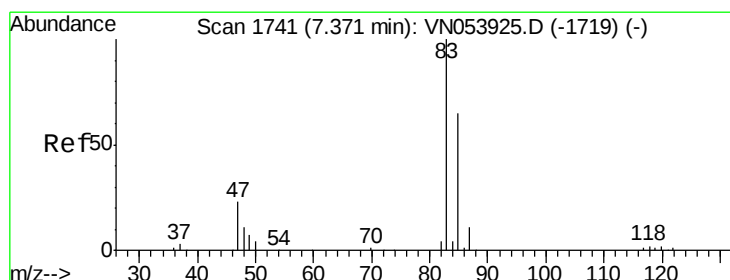
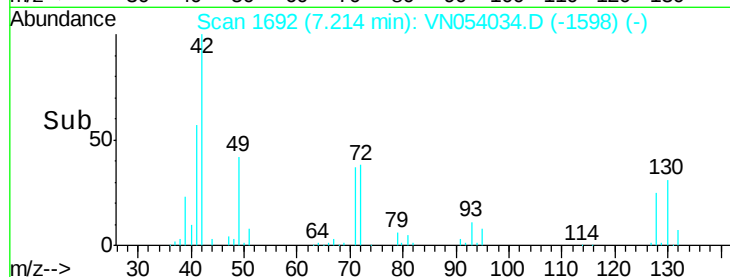
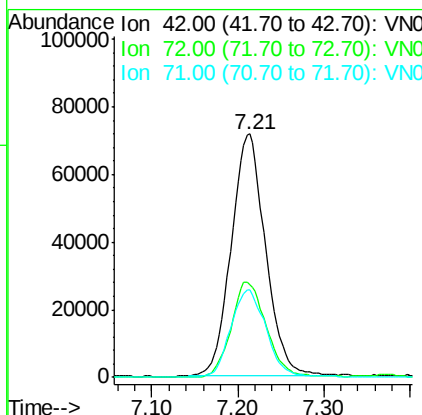
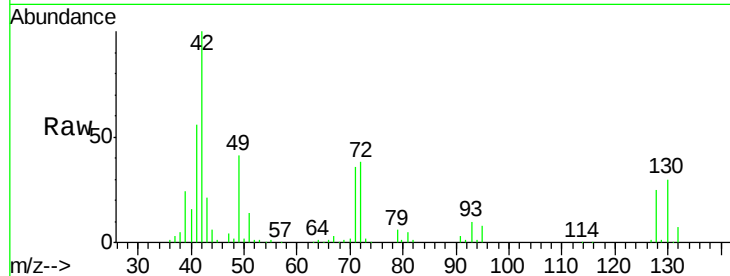
#29
Tetrahydrofuran
Concen: 107.031 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	36.9	55.3
71	37.2	34.6	52.0

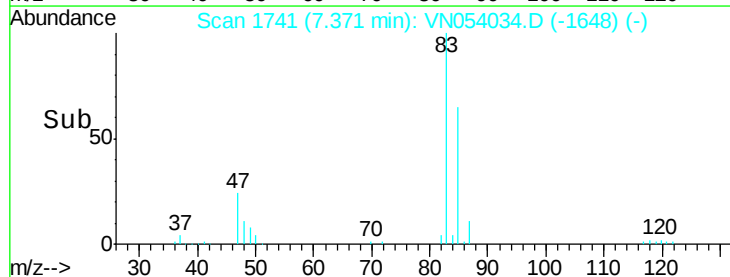
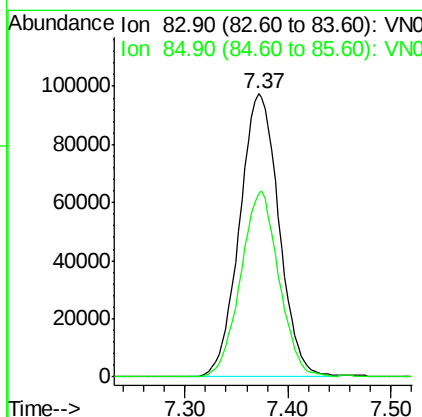
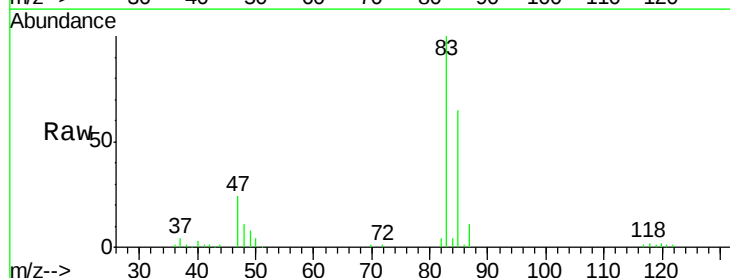
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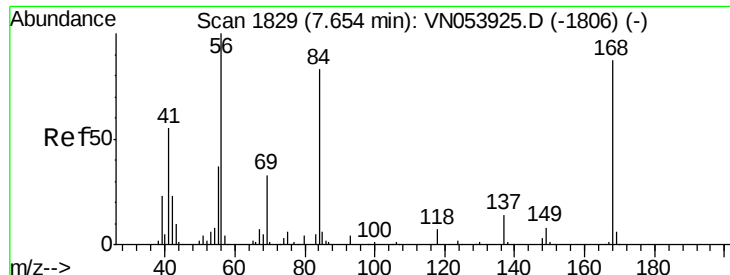
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#30
Chloroform
Concen: 21.490 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.6	78.8





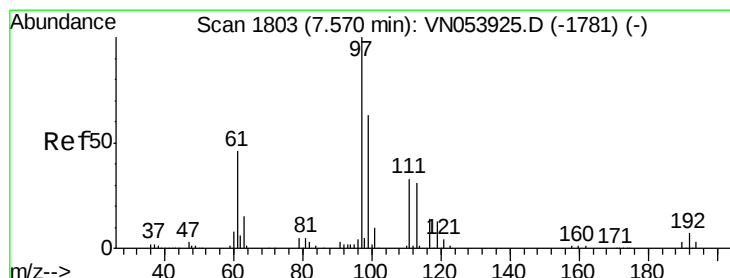
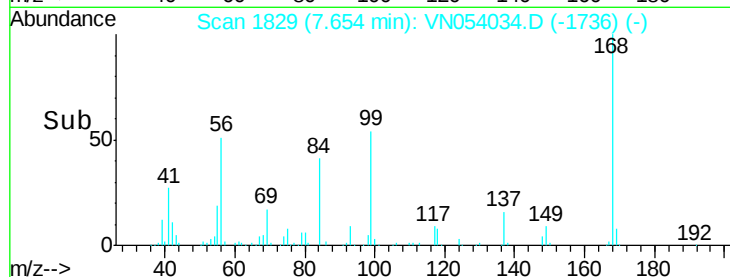
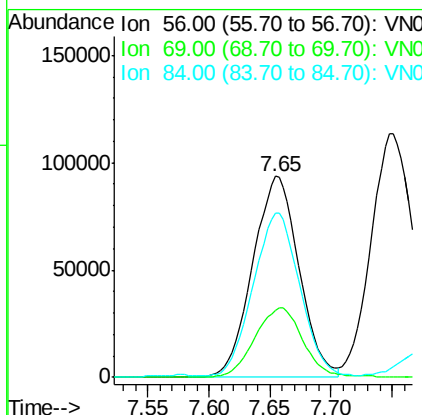
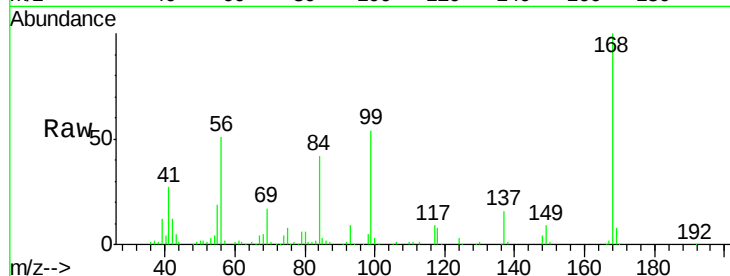
#31
Cyclohexane
Concen: 21.536 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampled :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.0	39.0
84	80.5	69.1	103.7

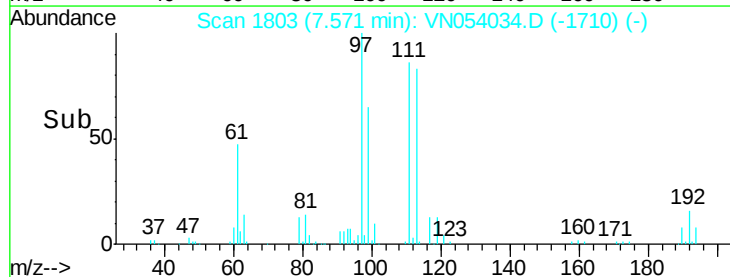
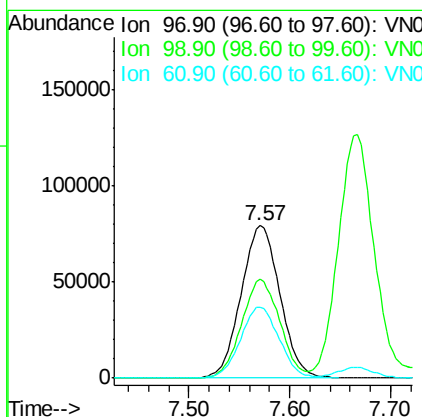
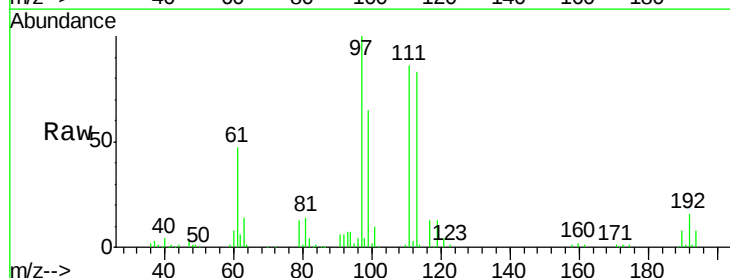
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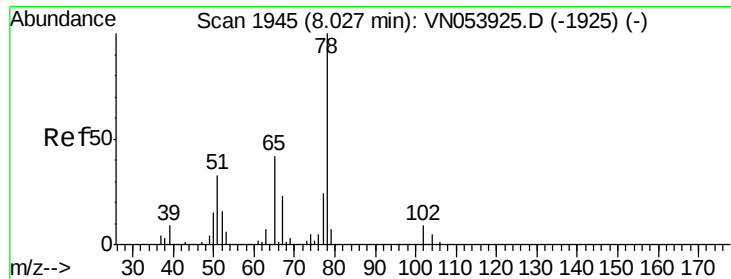
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#32
1,1,1-Trichloroethane
Concen: 21.400 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.8
61	46.5	33.2	49.8





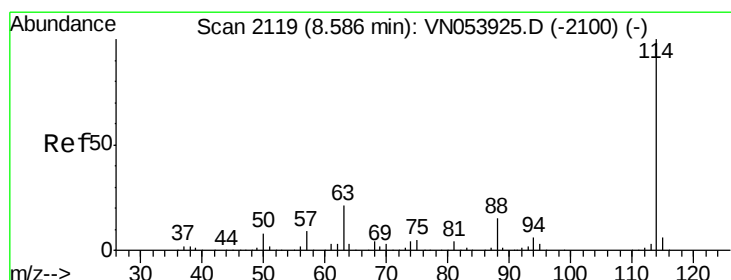
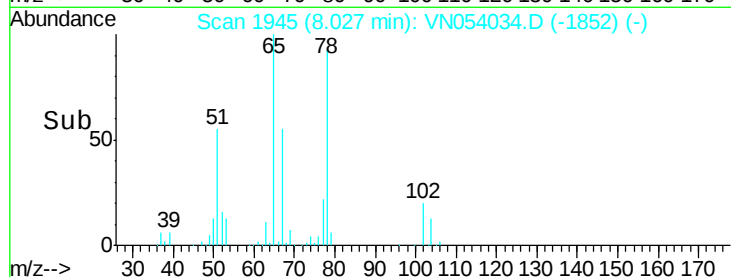
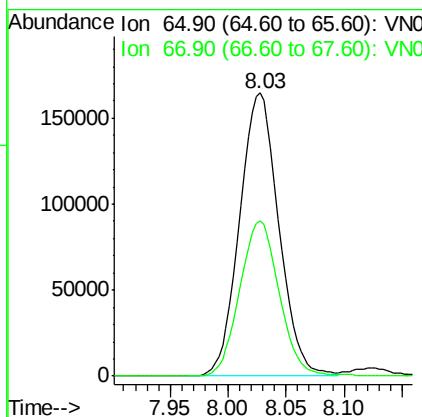
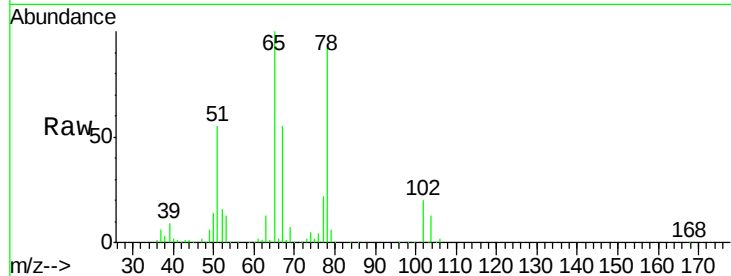
#33
 1,2-Dichloroethane-d4
 Concen: 54.714 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.4	0.0	111.8	

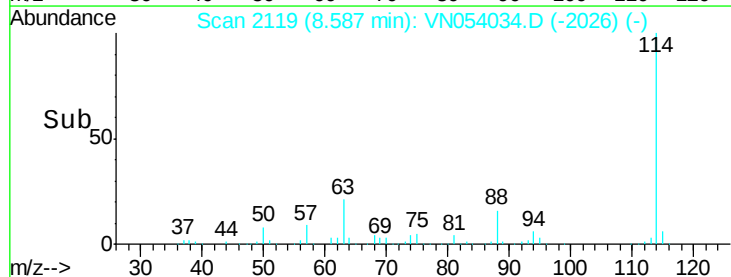
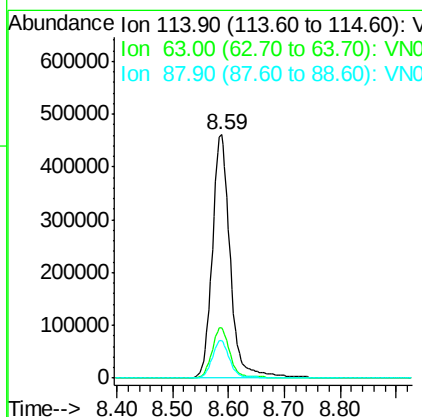
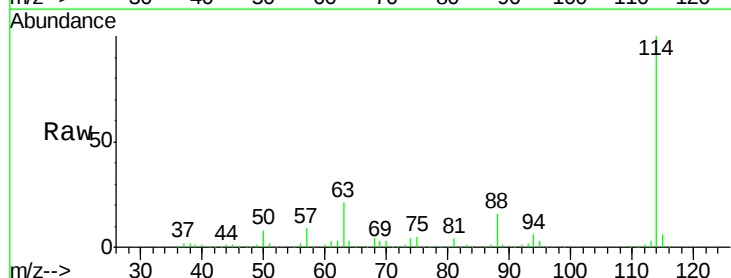
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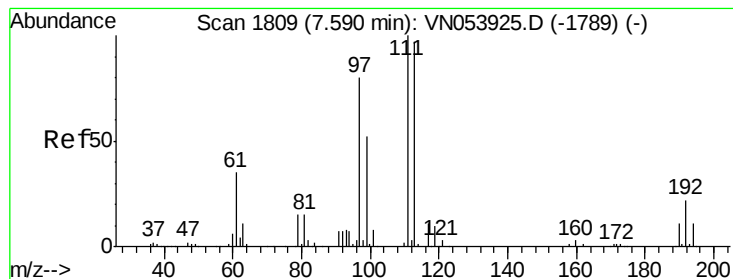
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	37.4	
88	15.5	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.697 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

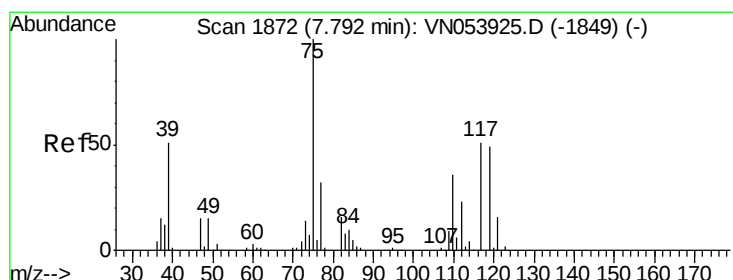
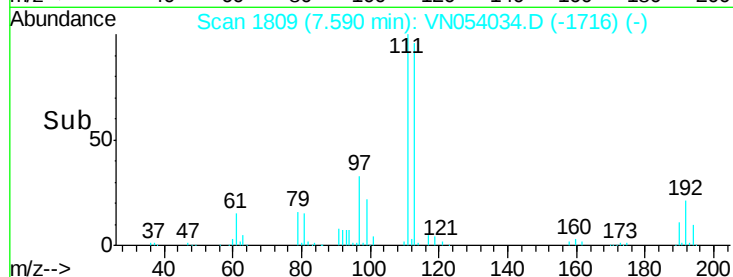
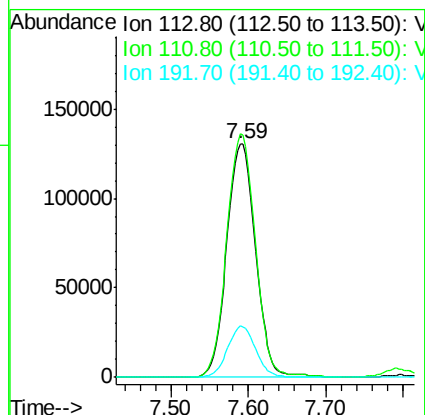
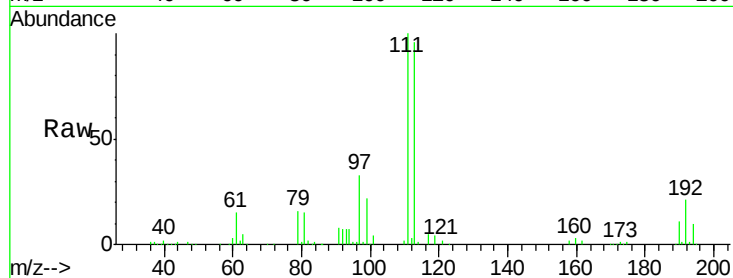
ClientSampleId :

VN0302WBS01

Tot Ion:	113	Resp:	337953
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.1	121.7
192	21.2	18.8	28.2

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#36

1,1-Dichloropropene

Concen: 20.033 ug/l

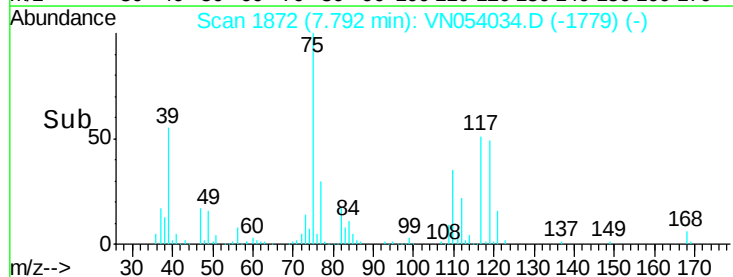
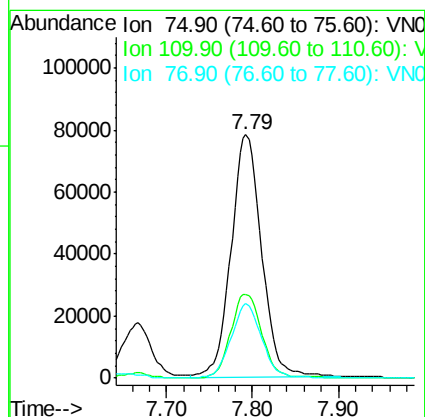
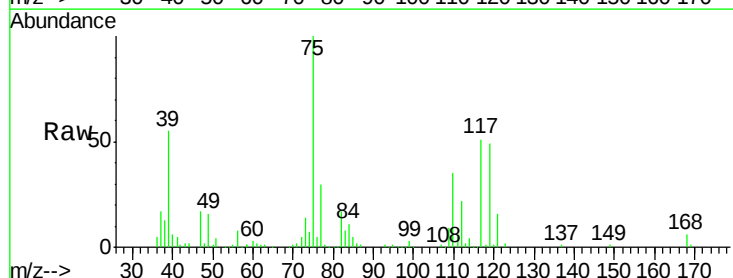
RT: 7.79 min Scan# 1872

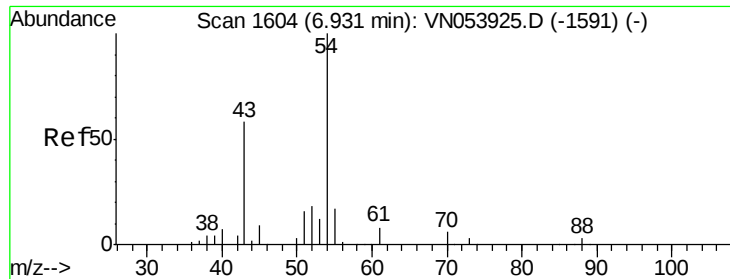
Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Tgt Ion:	75	Resp:	192046
Ion Ratio	Lower	Upper	
75	100		
110	35.1	19.0	57.0
77	31.2	25.4	38.0





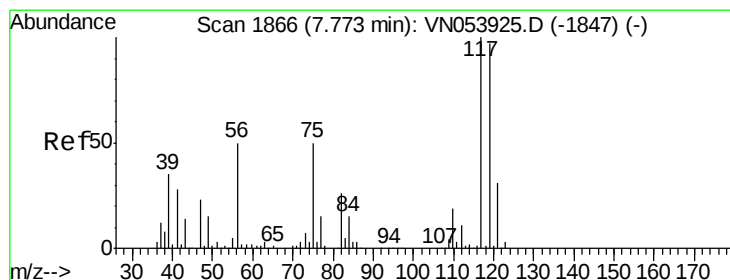
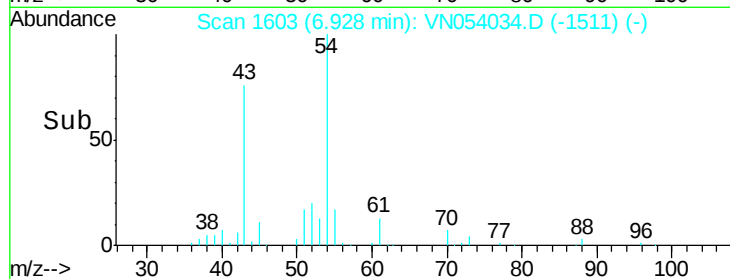
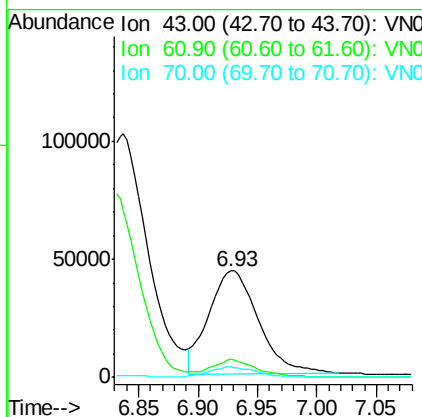
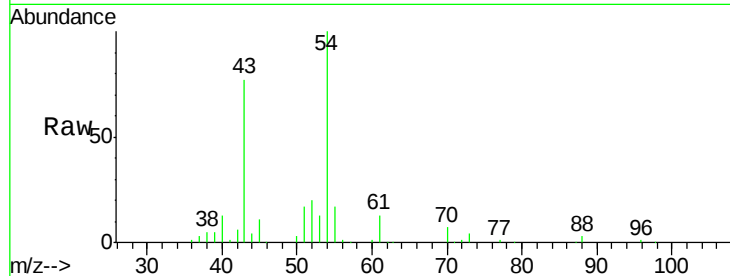
#37
Ethyl Acetate
Concen: 18.539 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.0	18.0
70	9.0	8.7	13.1

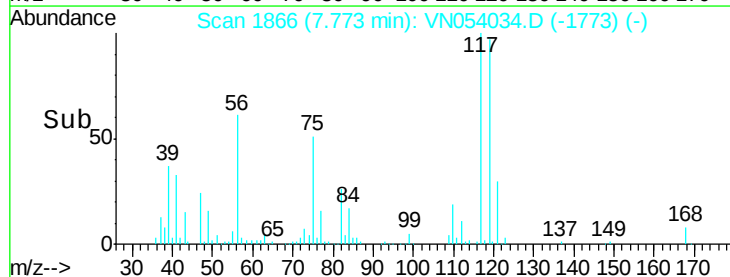
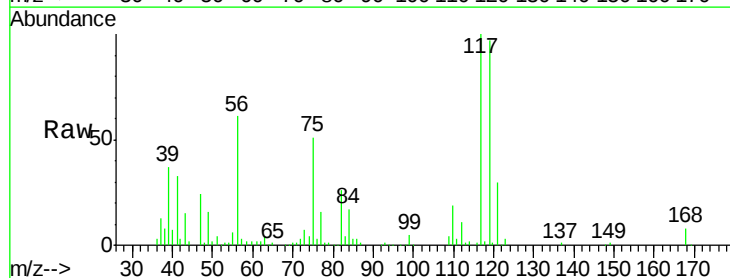
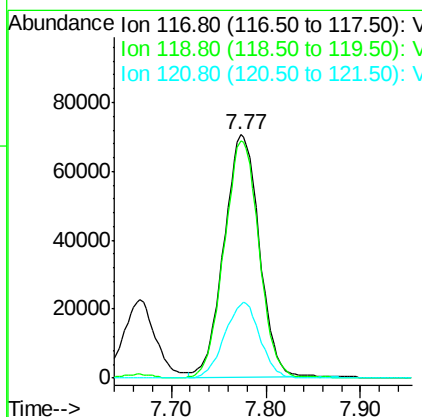
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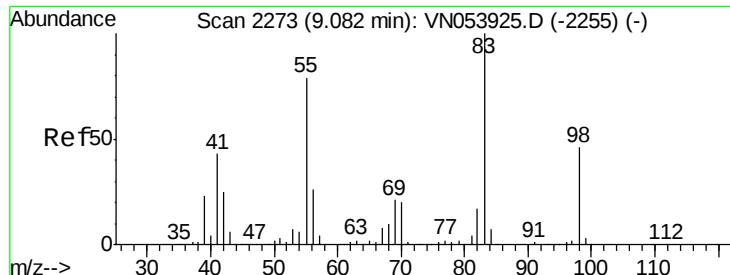
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#38
Carbon Tetrachloride
Concen: 18.264 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.2	114.2
121	30.5	24.6	36.8





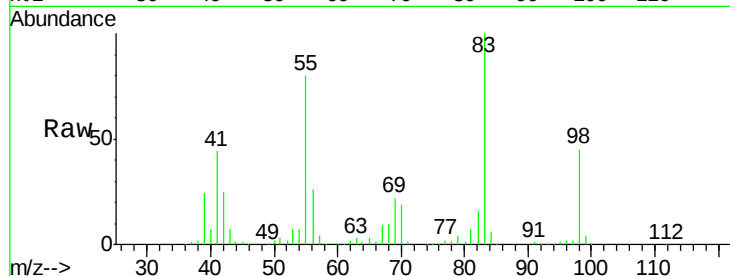
#39
Methvlcvclohexane
Concen: 18.812 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

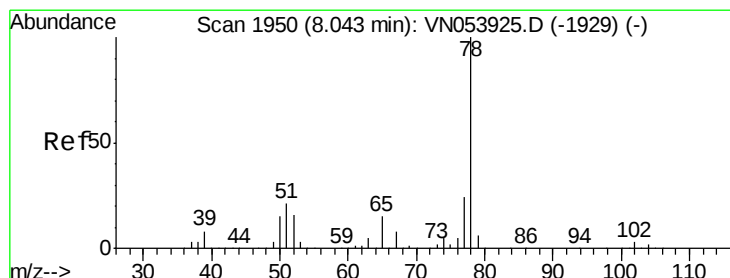
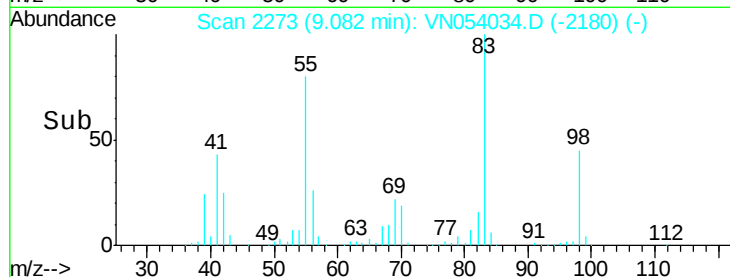
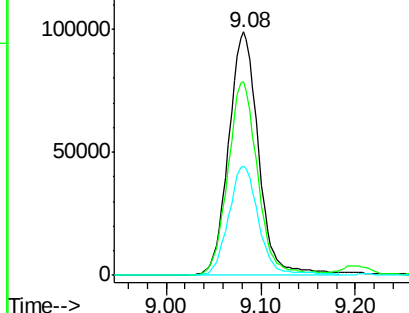
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	58.2	87.4
98	45.1	37.2	55.8

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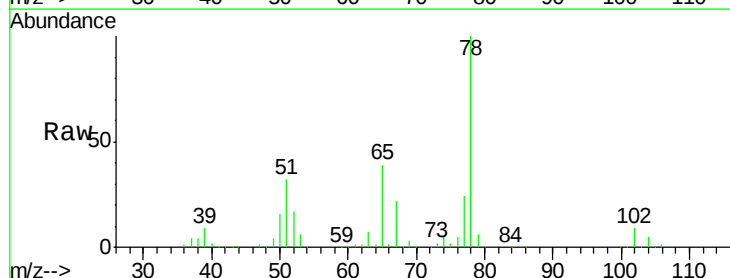


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

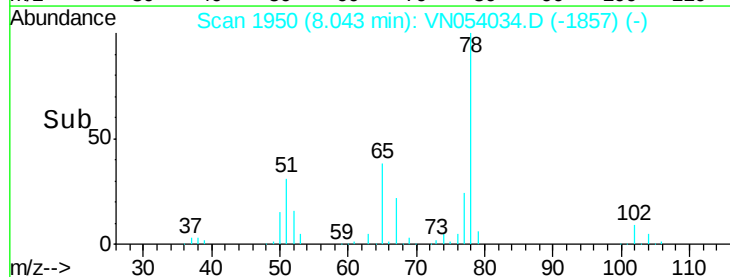
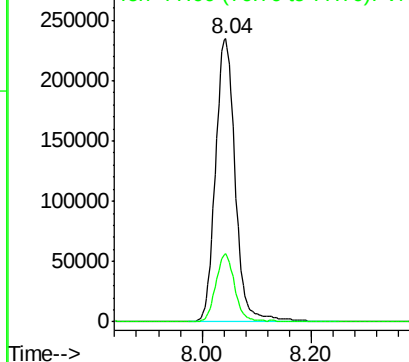


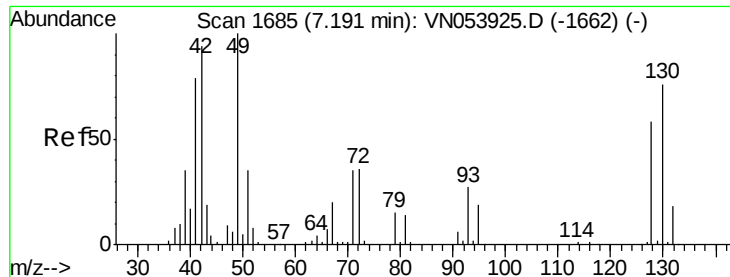
#40
Benzene
Concen: 20.093 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 43.789 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.02 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 41 Resp: 193011

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

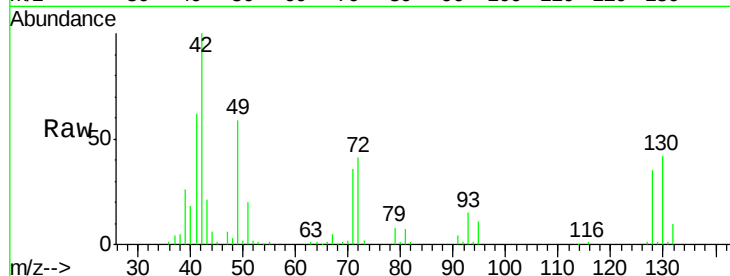
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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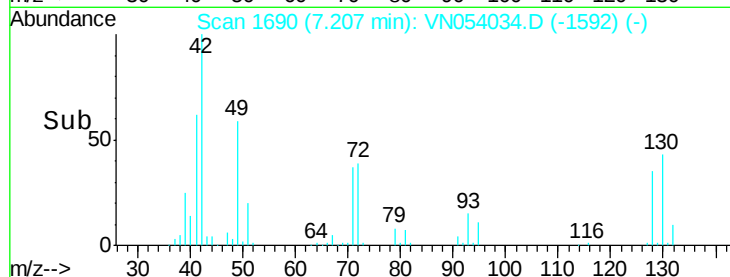
Abundance Ion 41.00 (40.70 to 41.70): VN053925.D (-1662) (-)

Ion 39.00 (38.70 to 39.70): VN053925.D (-1662) (-)

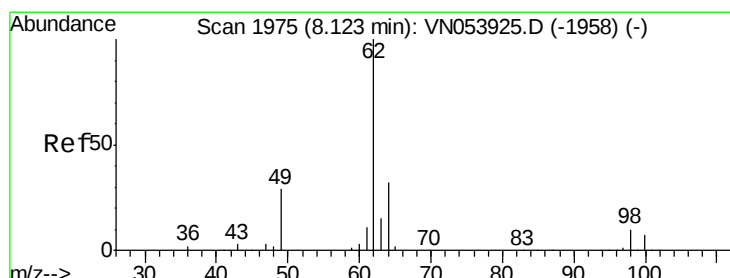
Ion 67.00 (66.70 to 67.70): VN053925.D (-1662) (-)

Ion 52.00 (51.70 to 52.70): VN053925.D (-1662) (-)

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 20.434 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054034.D

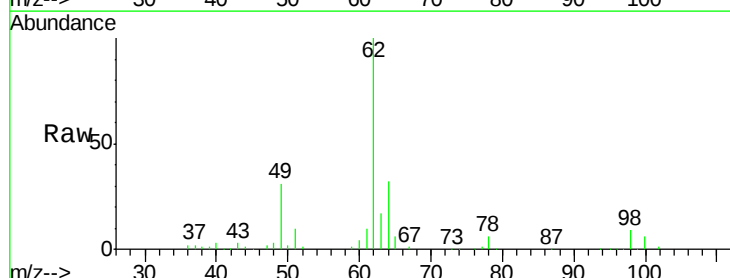
Acq: 1 Mar 2019 17:28

Tgt Ion: 62 Resp: 186310

Ion Ratio Lower Upper

62 100

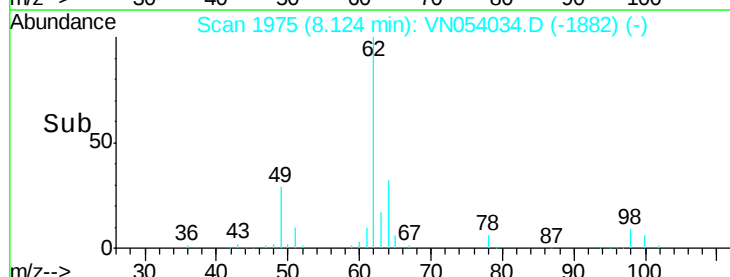
98 9.1 0.0 20.8



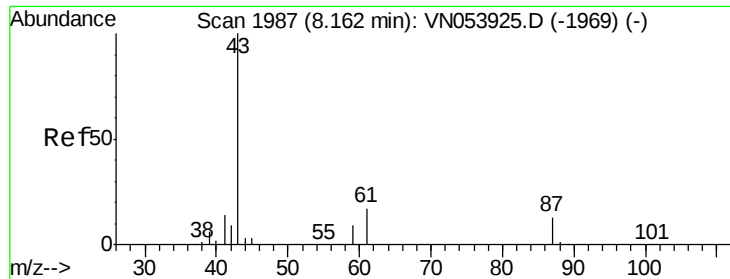
Abundance Ion 61.90 (61.60 to 62.60): VN053925.D (-1958) (-)

Ion 97.90 (97.60 to 98.60): VN053925.D (-1958) (-)

Time-->



Time-->



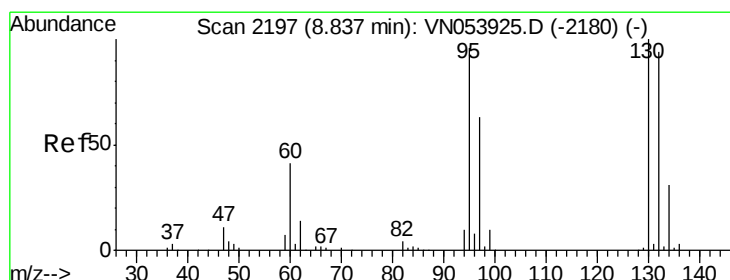
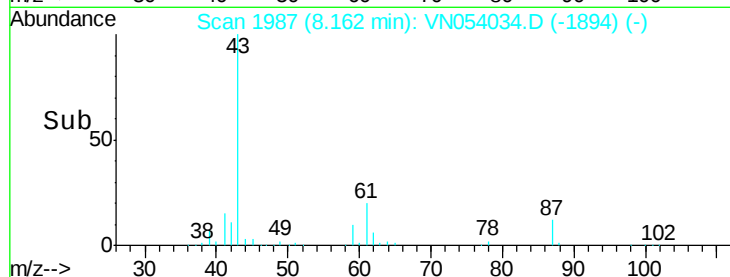
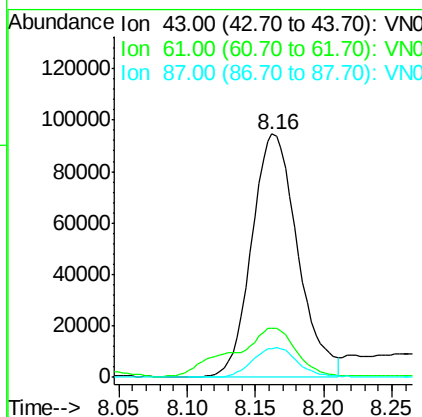
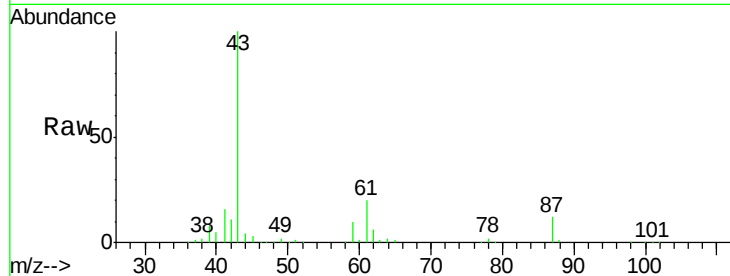
#43
Isopropyl Acetate
Concen: 19.029 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	17.4	26.0#
87	12.2	11.5	17.3

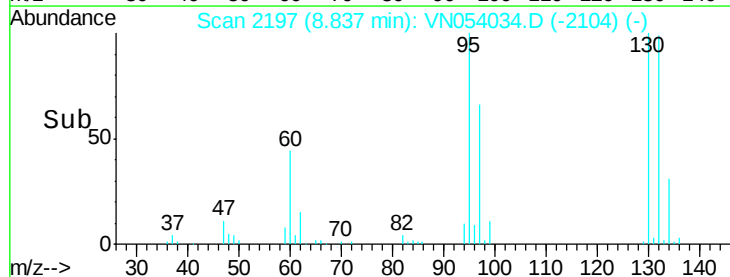
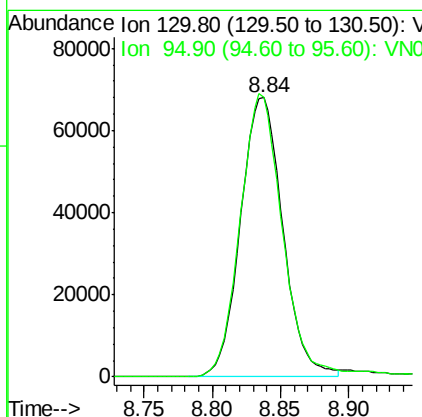
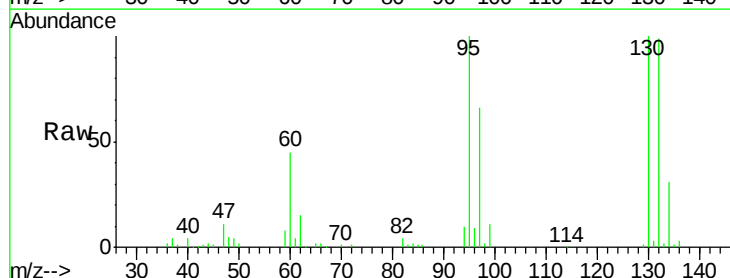
Manual Integrations
APPROVED

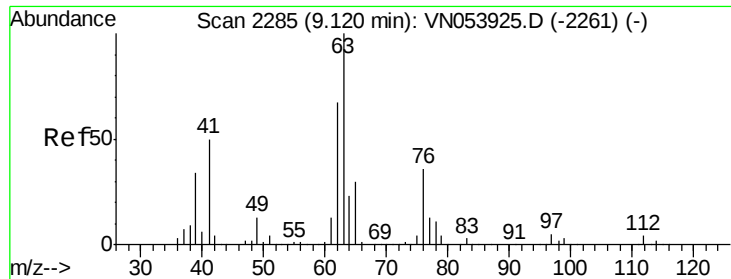
MMDadoda
3/4/2019 1:53:41 PM



#44
Trichloroethene
Concen: 18.784 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	190.0





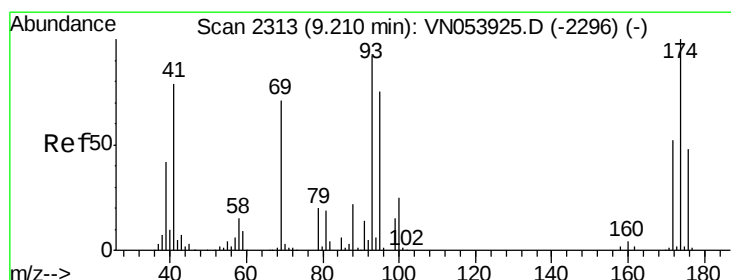
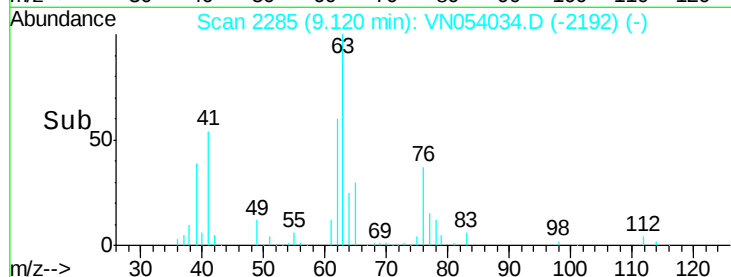
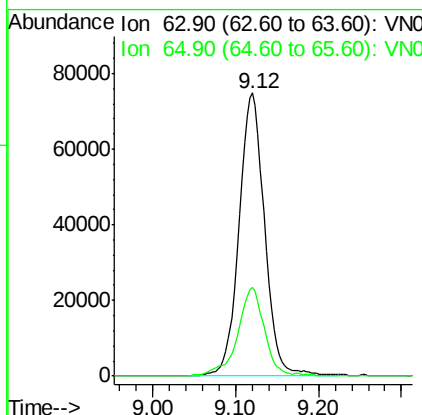
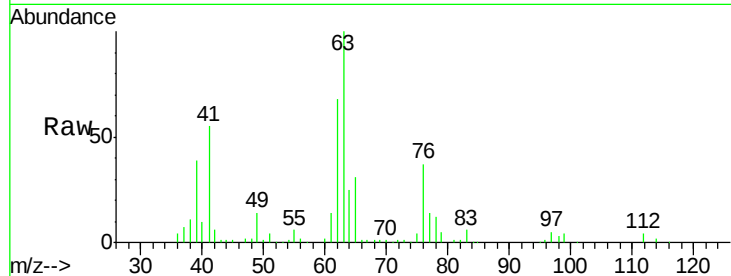
#45
 1,2-Dichloropropane
 Concen: 20.314 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Tot Ion: 63 Resp: 161410
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5

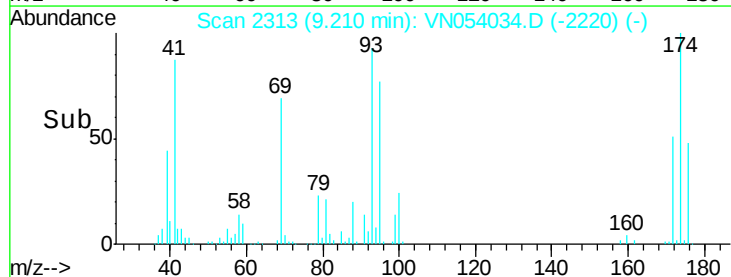
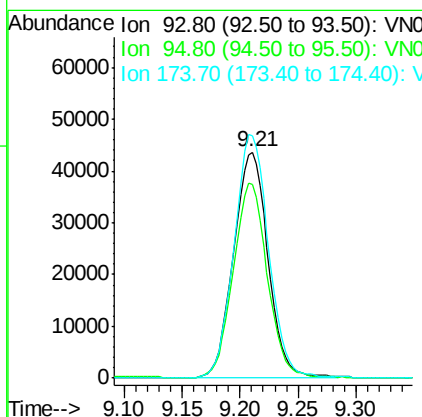
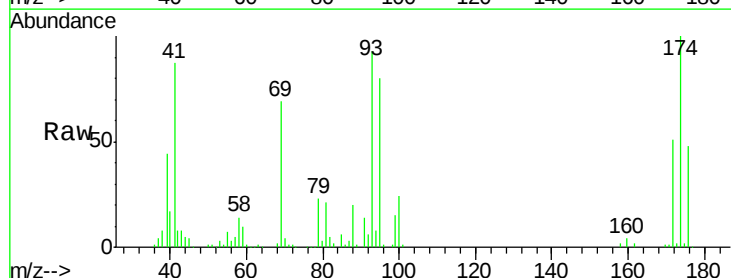
Manual Integrations
 APPROVED

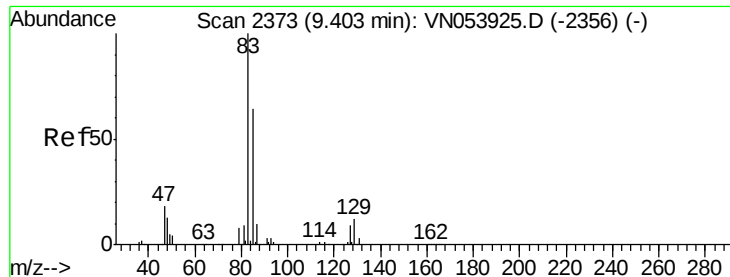
MMDadoda
 3/4/2019 1:53:41 PM



#46
 Dibromomethane
 Concen: 19.521 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion: 93 Resp: 90048
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.6 100.0
 174 107.7 96.2 144.4





#47

Bromodichloromethane

Concen: 19.974 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

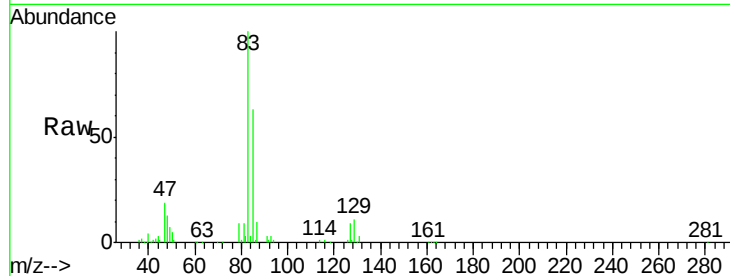
ClientSampleId :

VN0302WBS01

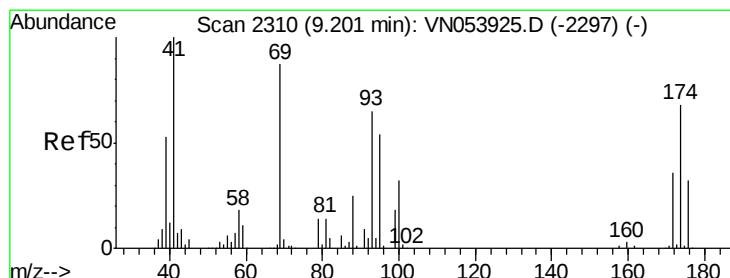
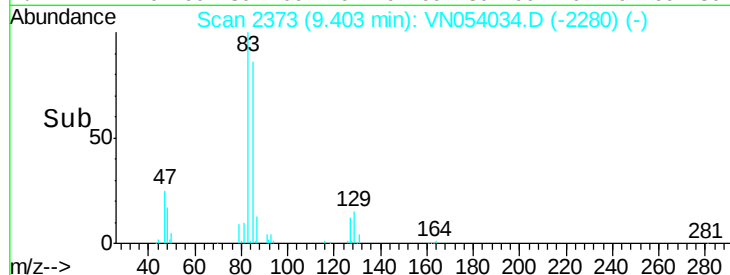
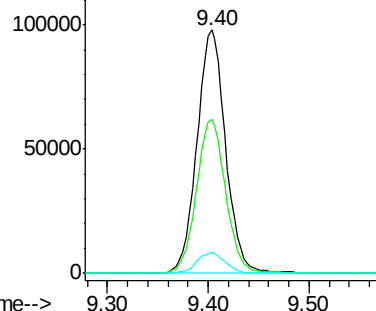
Tot Ion:	83	Resp:	194173
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.8	77.6
127	8.5	7.4	11.0

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



#48

Methyl methacrylate

Concen: 20.275 ug/l

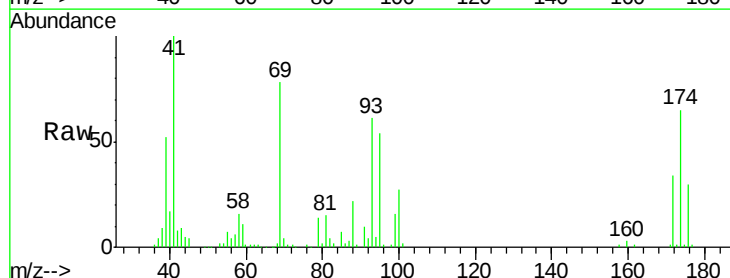
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

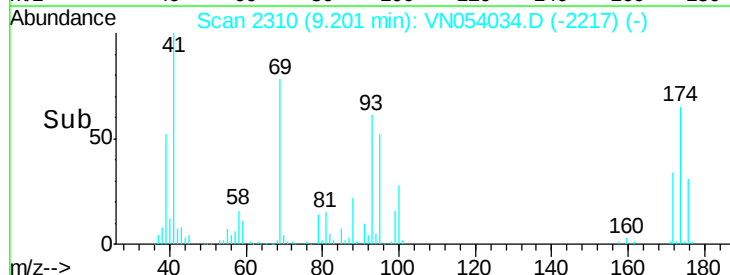
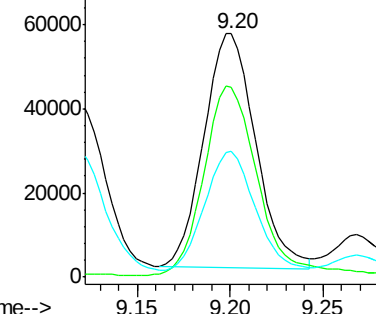
Lab File: VN054034.D

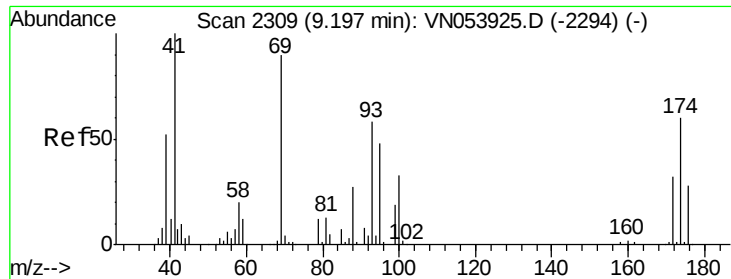
Acq: 1 Mar 2019 17:28

Tgt Ion:	41	Resp:	107787
Ion Ratio	Lower	Upper	
41	100		
69	85.7	74.8	112.2
39	55.7	39.0	58.6



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





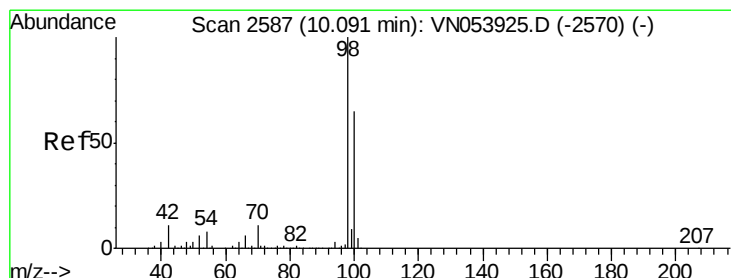
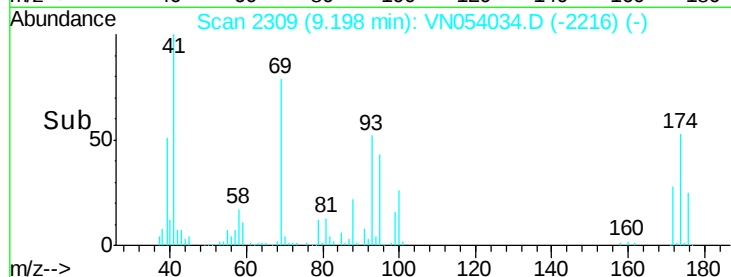
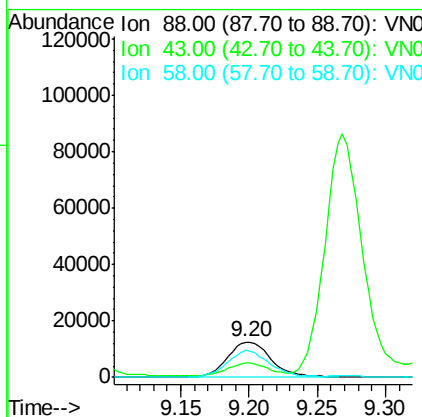
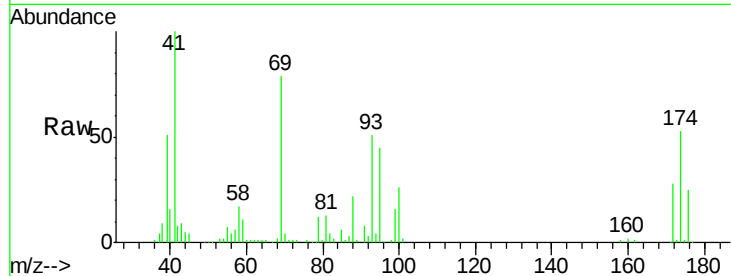
#49
1,4-Dioxane
Concen: 390.272 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	21.2	31.8#
58	73.6	54.2	81.2

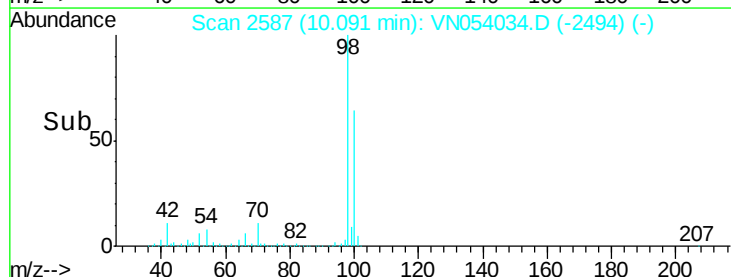
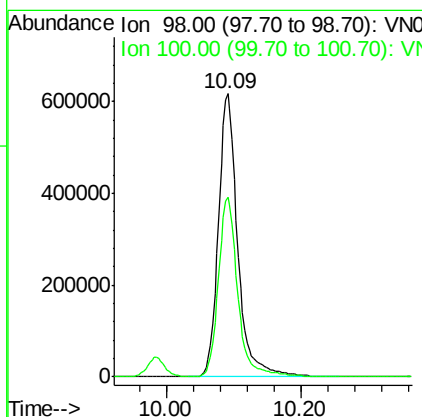
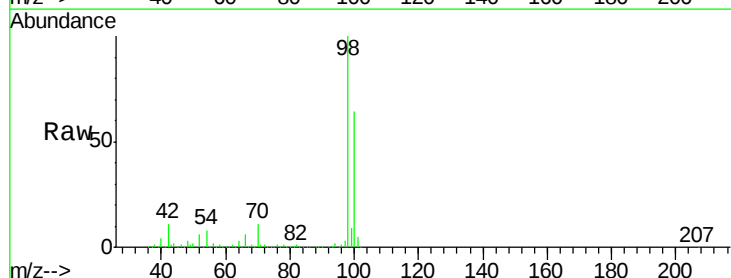
Manual Integrations
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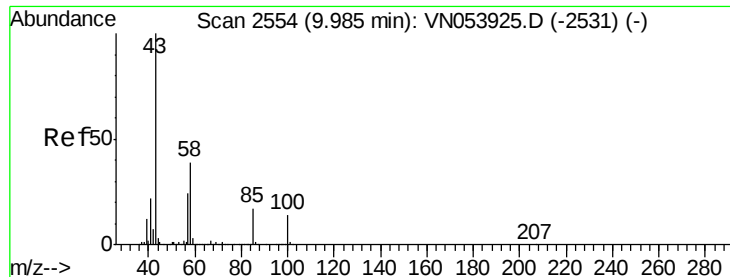
MMDadoda
3/4/2019 1:53:41 PM



#50
Toluene-d8
Concen: 50.044 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 103.305 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 43 Resp: 613534

Ion Ratio Lower Upper

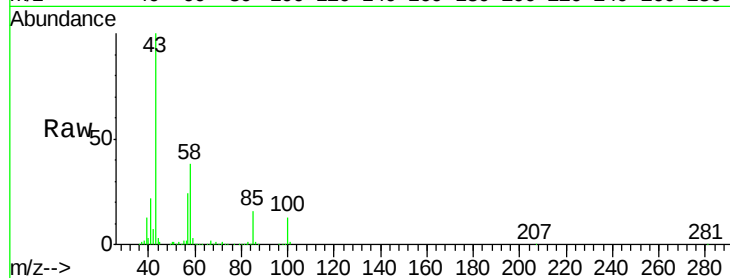
43 100

58 37.8 32.7 49.1

Manual Integrations
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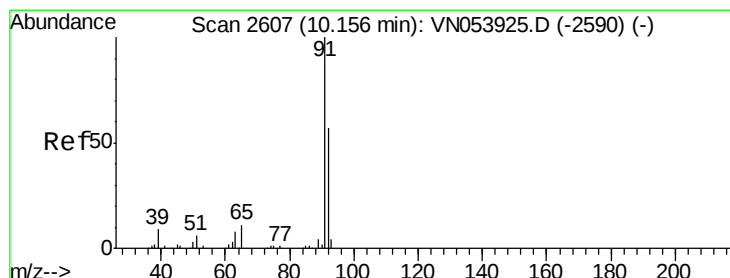
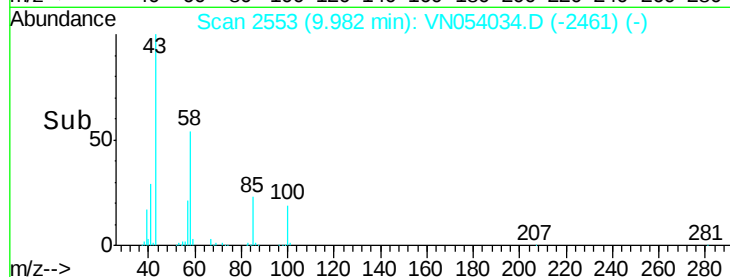
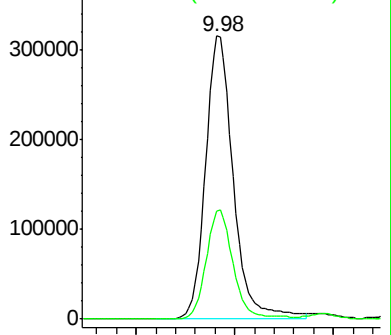
MMDadoda

3/4/2019 1:53:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.236 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054034.D

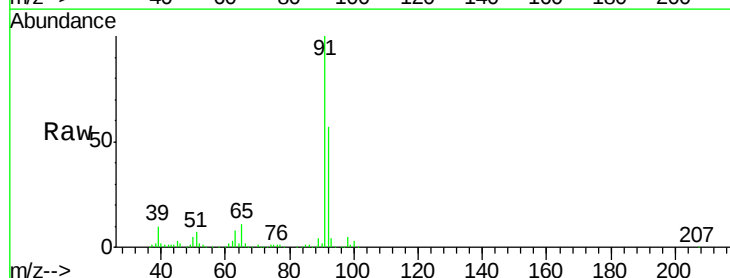
Acq: 1 Mar 2019 17:28

Tgt Ion: 92 Resp: 350916

Ion Ratio Lower Upper

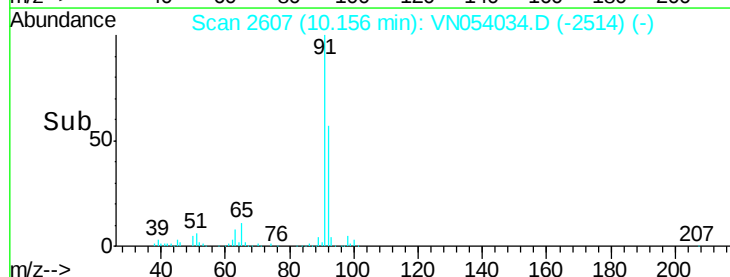
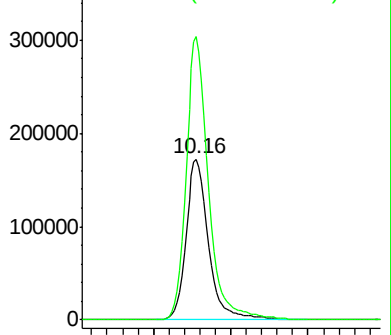
92 100

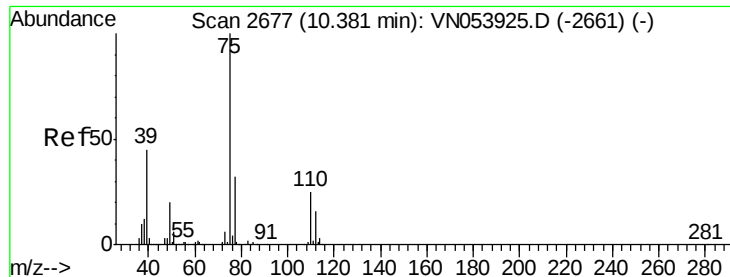
91 174.5 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.707 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 75 Resp: 186402

Ion Ratio Lower Upper

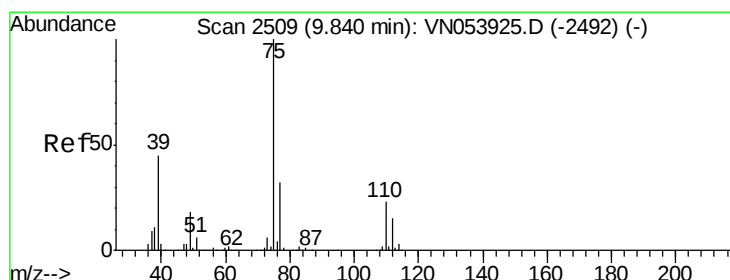
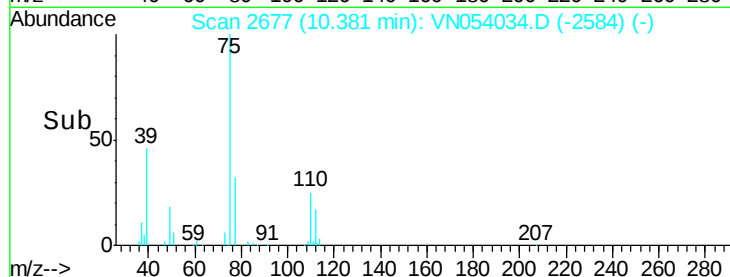
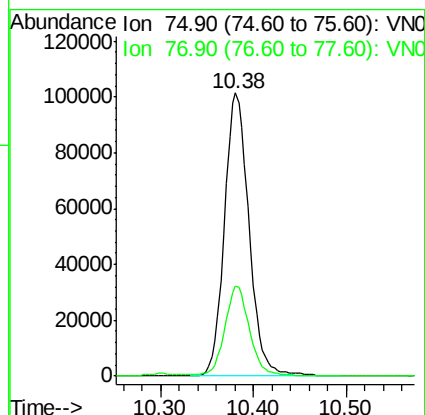
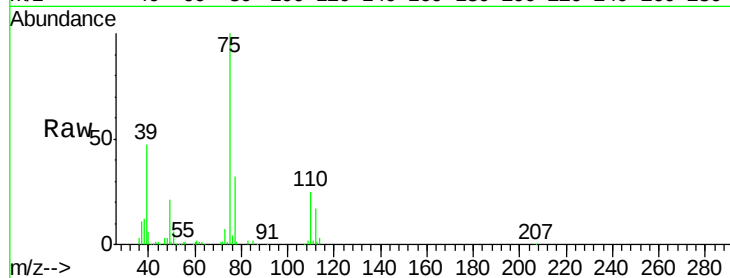
75 100

77 31.6 25.0 37.6

Manual Integrations
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3/4/2019 1:53:41 PM



#54

cis-1,3-Dichloropropene

Concen: 19.747 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

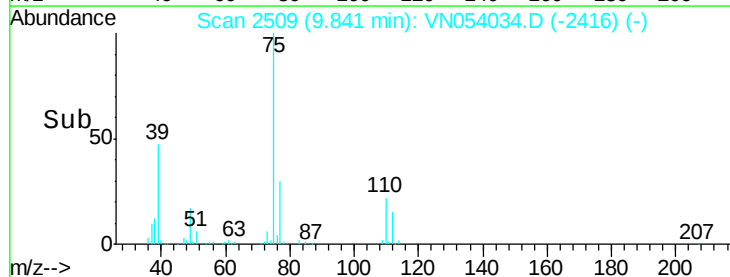
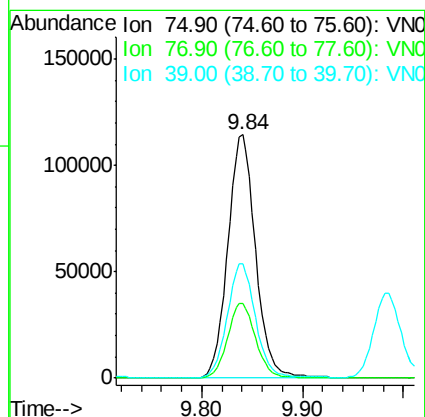
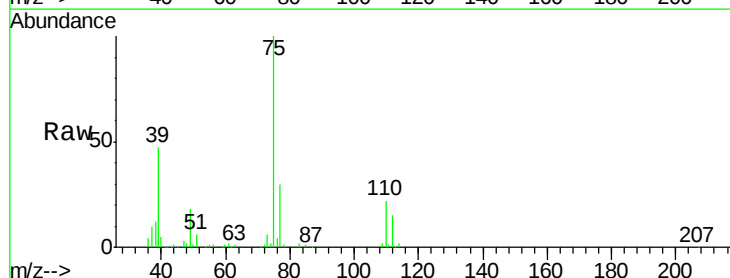
Tgt Ion: 75 Resp: 220190

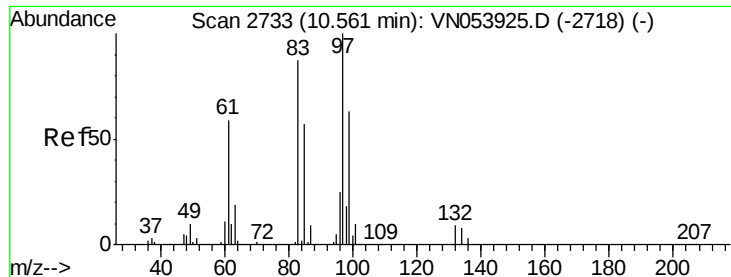
Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.6

39 46.6 31.4 47.0





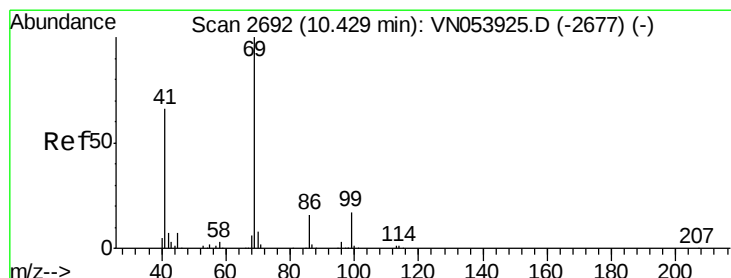
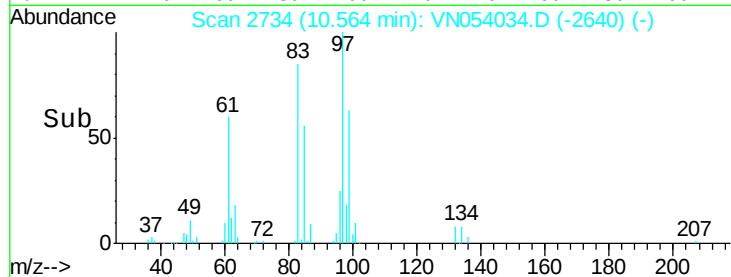
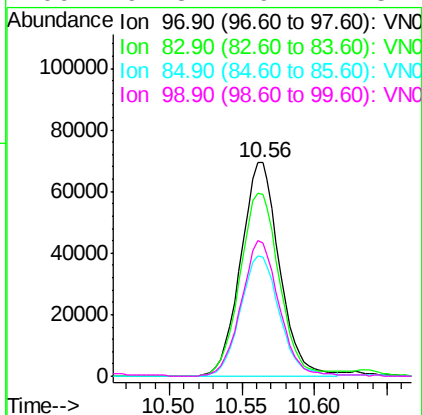
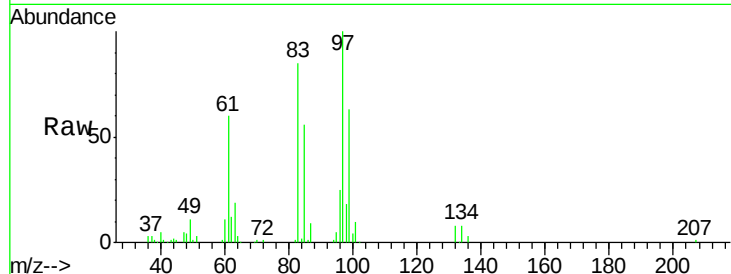
#55
 1,1,2-Trichloroethane
 Concen: 19.918 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		128995		
83	85.0	69.5	104.3		
85	55.6	45.9	68.9		
99	62.3	49.1	73.7		

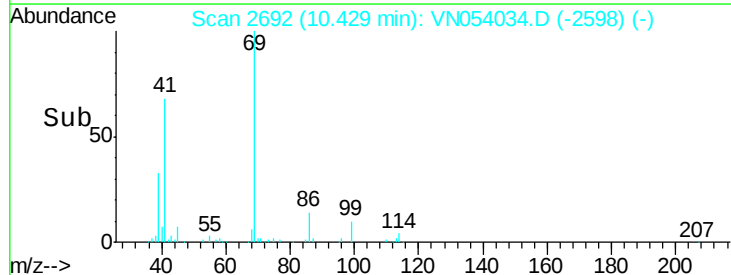
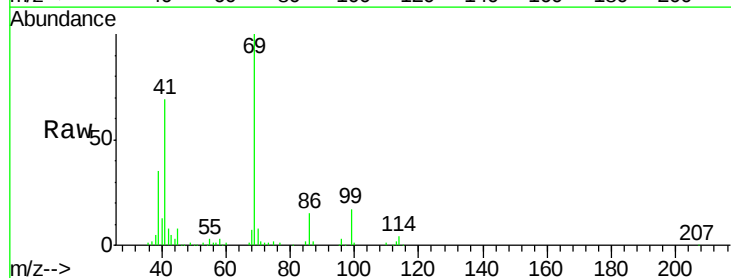
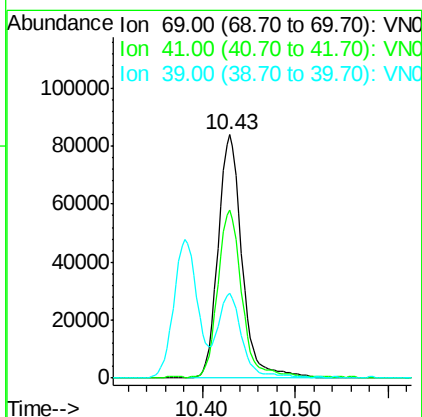
Manual Integrations
 APPROVED

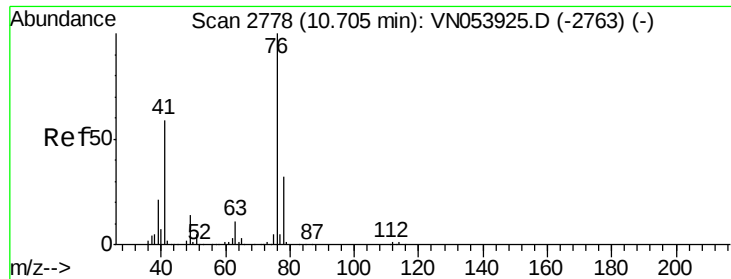
MMDadoda
 3/4/2019 1:53:41 PM



#56
 Ethyl methacrylate
 Concen: 18.992 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		150563		
41	68.7	47.5	71.3		
39	31.3	23.4	35.0		





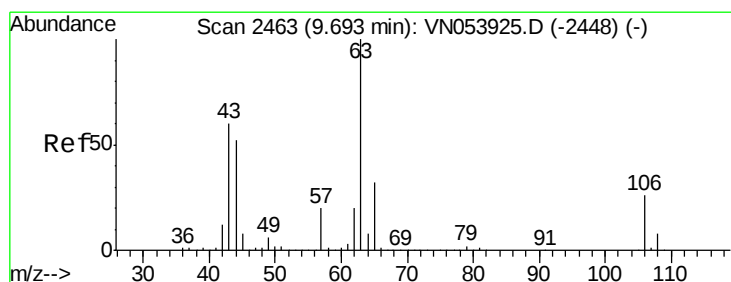
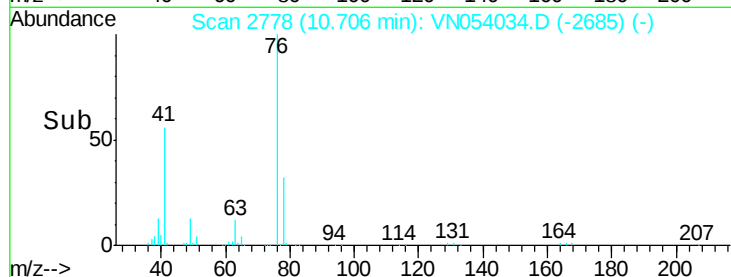
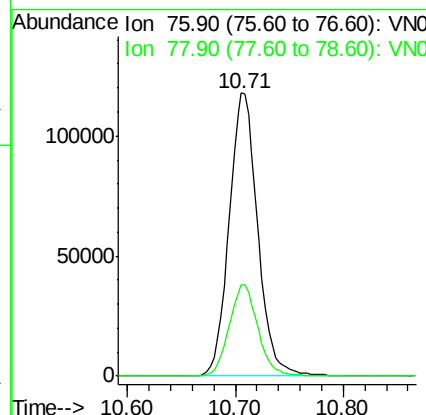
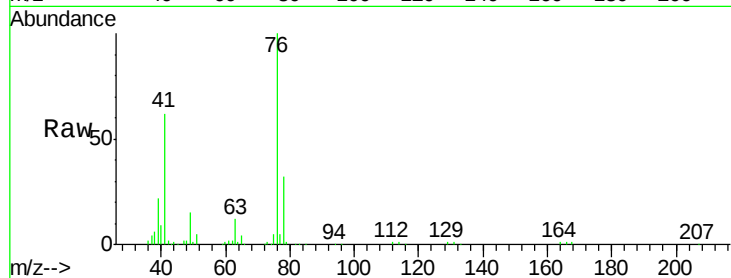
#57
 1,3-Dichloropropane
 Concen: 19.870 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0302WBS01

Tot Ion: 76 Resp: 217432
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8

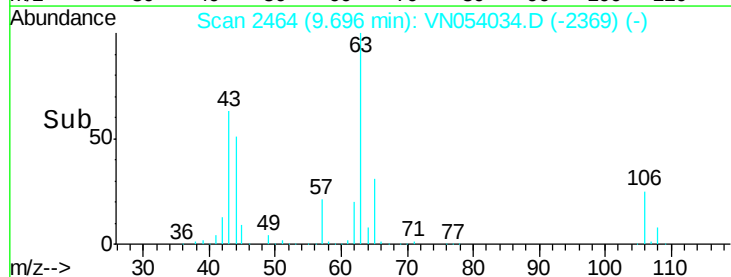
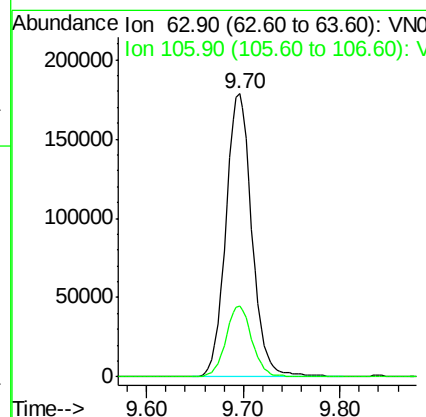
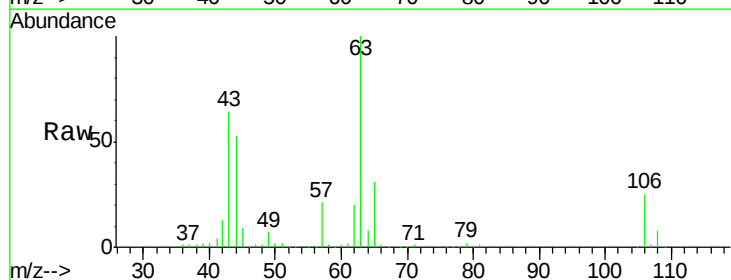
Manual Integrations
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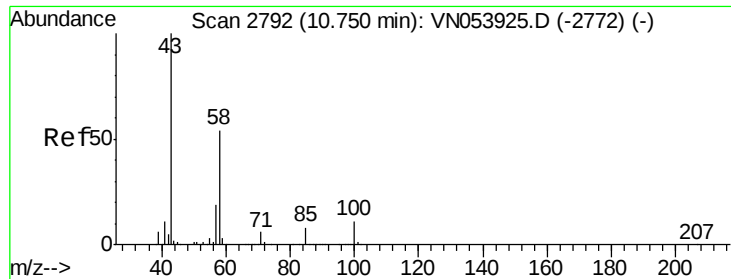
MMDadoda
 3/4/2019 1:53:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.547 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion: 63 Resp: 334205
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.2 33.2





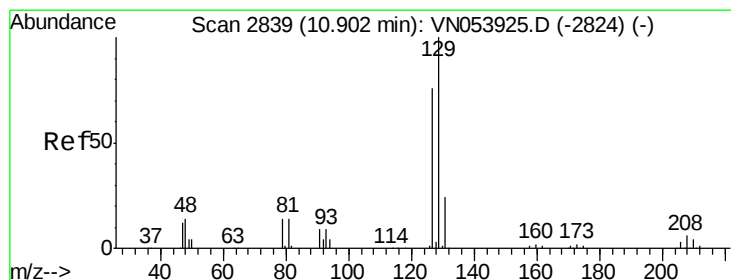
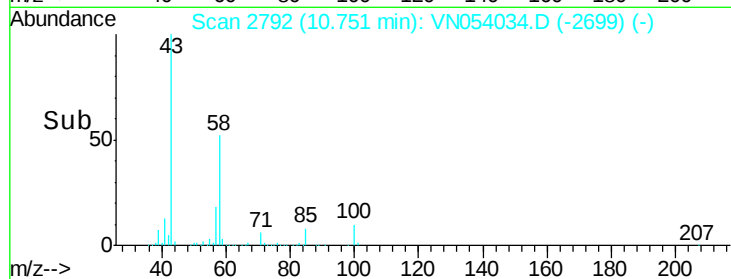
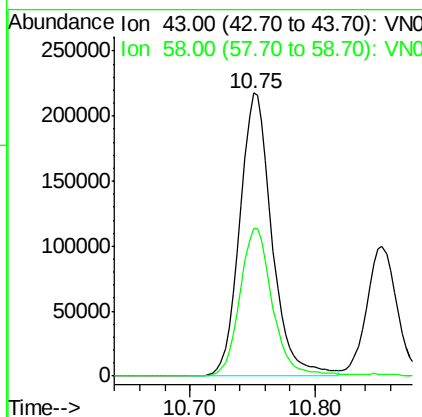
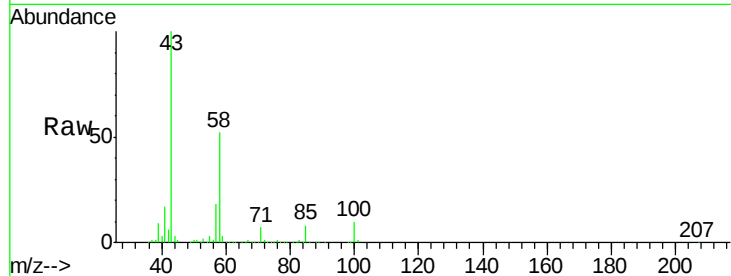
#59
2-Hexanone
Concen: 100.268 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	43	Resp	387301
Ion Ratio	100	Lower	Upper
43	100		
58	53.1	29.1	87.4

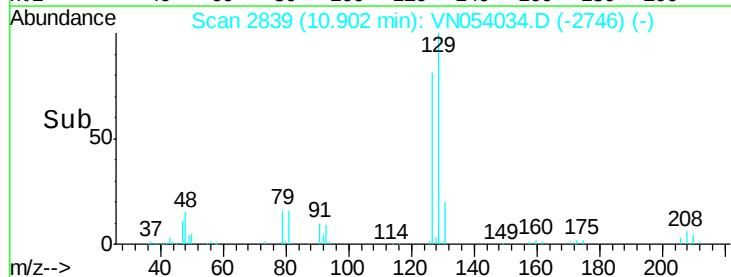
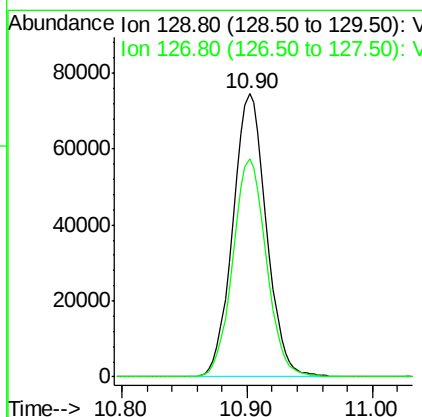
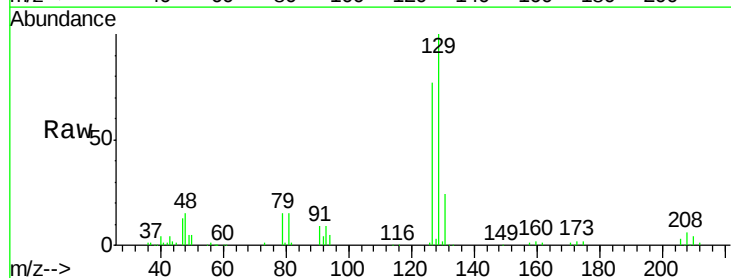
Manual Integrations
APPROVED

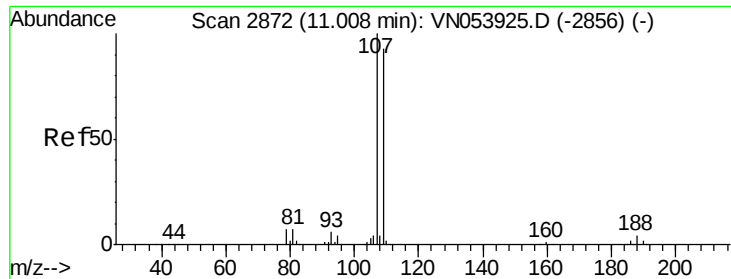
MMDadoda
3/4/2019 1:53:41 PM



#60
Dibromochloromethane
Concen: 19.262 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	129	Resp	138637
Ion Ratio	100	Lower	Upper
129	100		
127	76.9	38.8	116.3





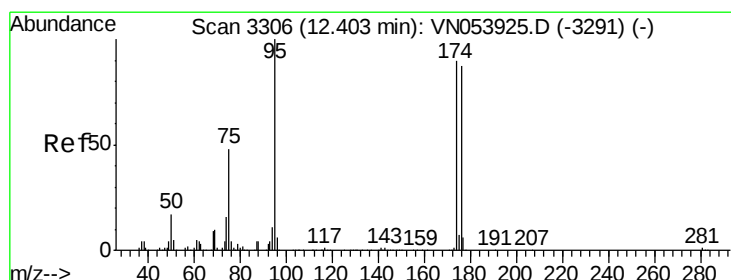
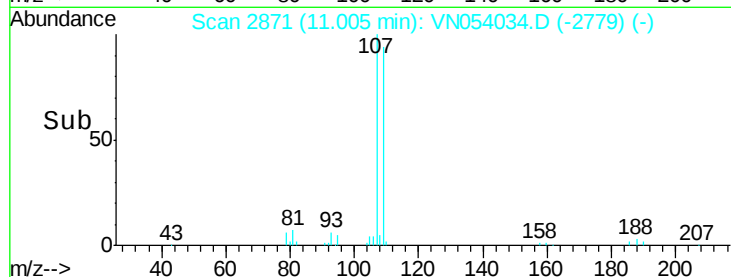
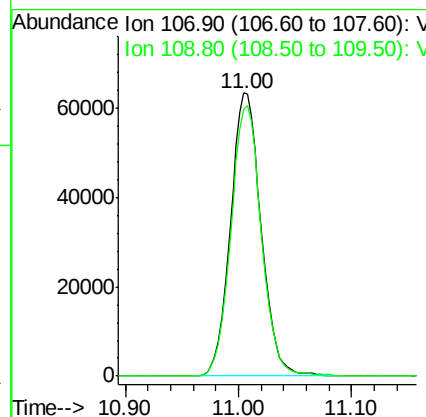
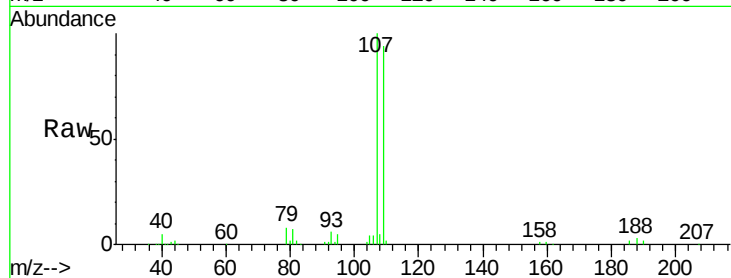
#61
 1,2-Dibromoethane
 Concen: 19.016 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Tot Ion: 107 Resp: 118800
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.3 114.5

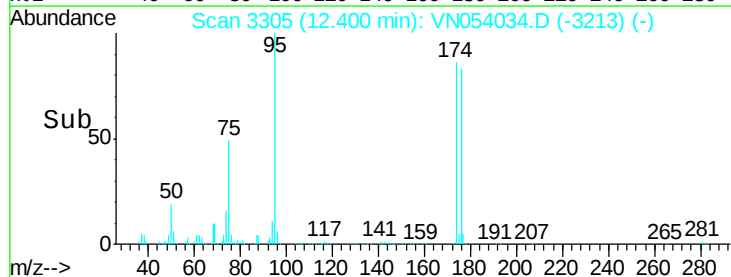
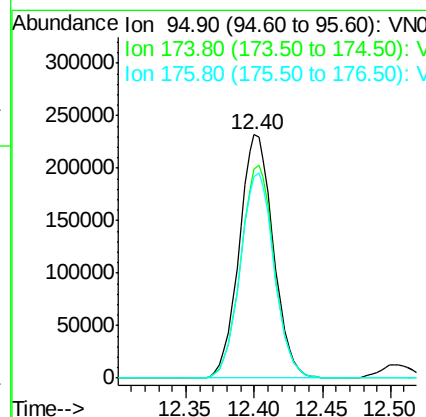
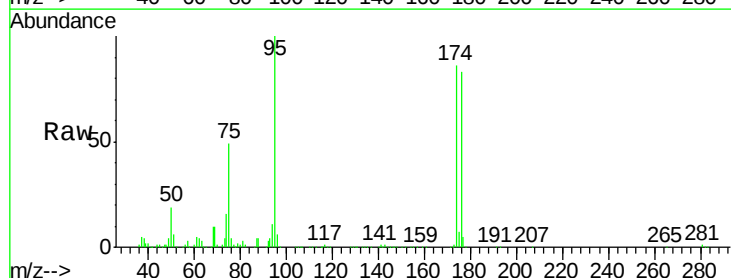
Manual Integrations
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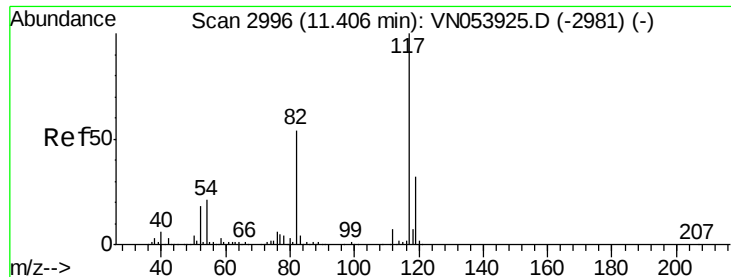
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 3/4/2019 1:53:41 PM



#62
 4-Bromofluorobenzene
 Concen: 48.560 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion: 95 Resp: 401475
 Ion Ratio Lower Upper
 95 100
 174 86.3 0.0 188.8
 176 83.9 0.0 182.6





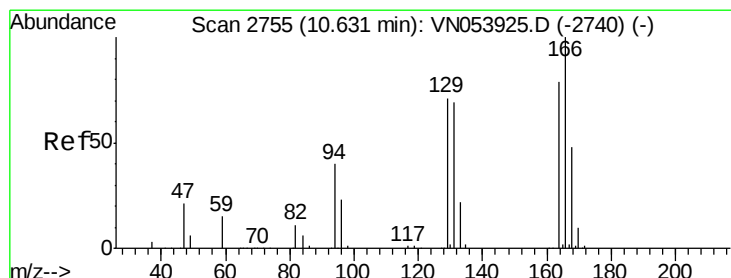
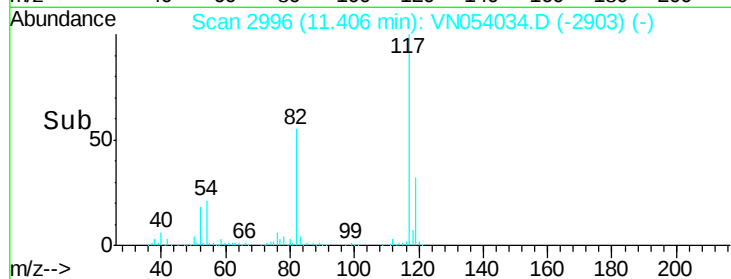
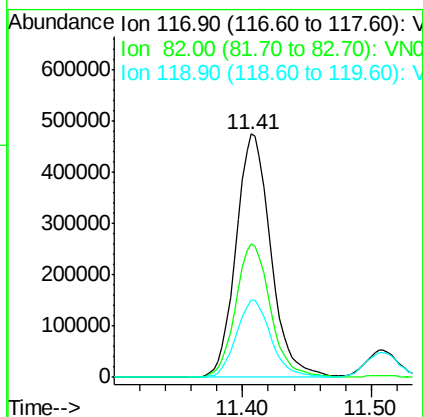
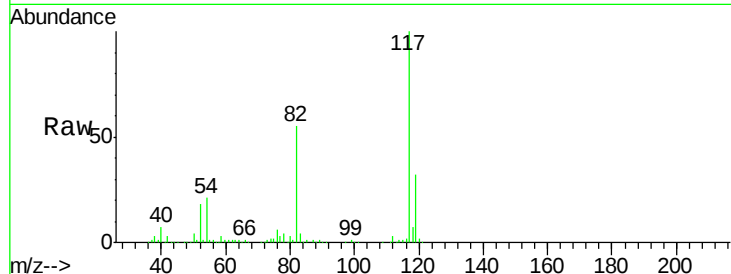
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	41.4	62.2
119	31.8	25.3	37.9

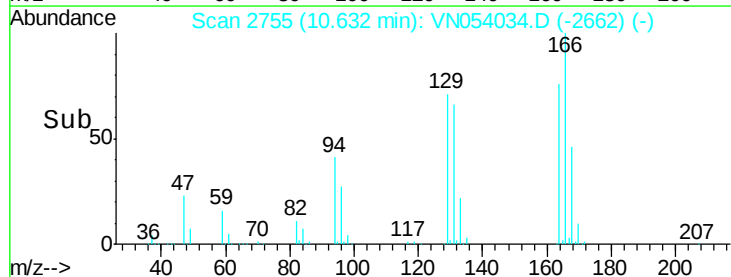
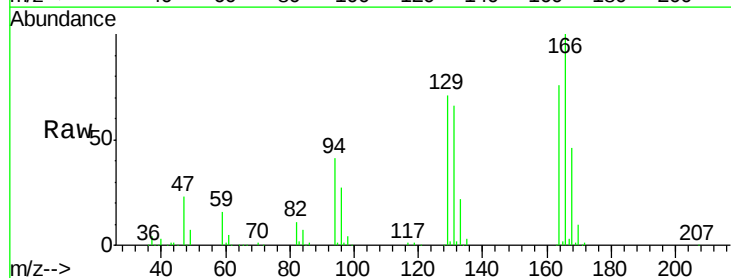
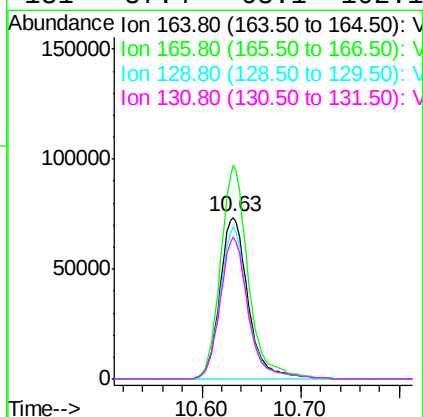
Manual Integrations
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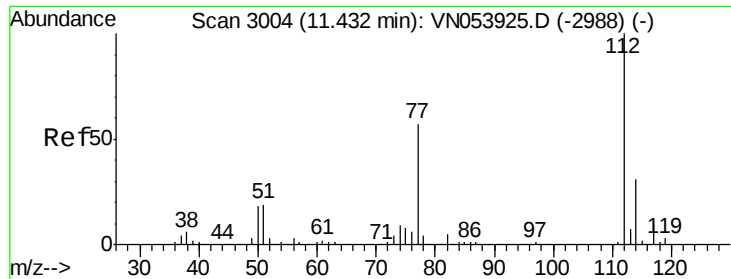
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#64
Tetrachloroethene
Concen: 19.599 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	102.6	153.8
129	93.8	69.4	104.0
131	87.4	68.1	102.1





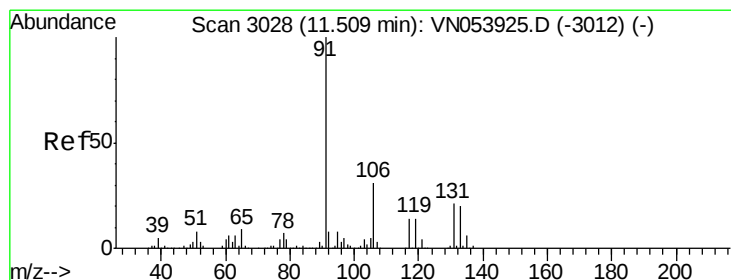
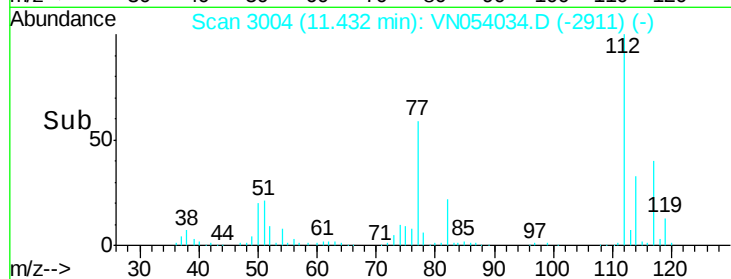
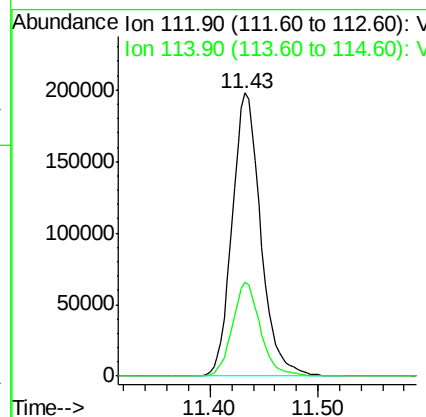
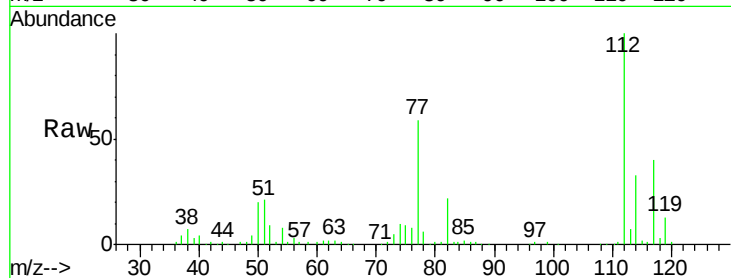
#65
Chlorobenzene
Concen: 19.498 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion:112 Resp: 366180
Ion Ratio Lower Upper
112 100
114 33.0 25.7 38.5

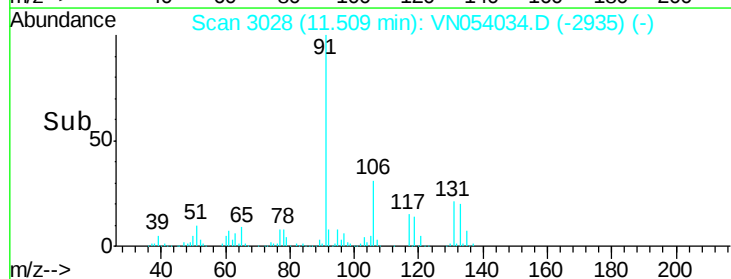
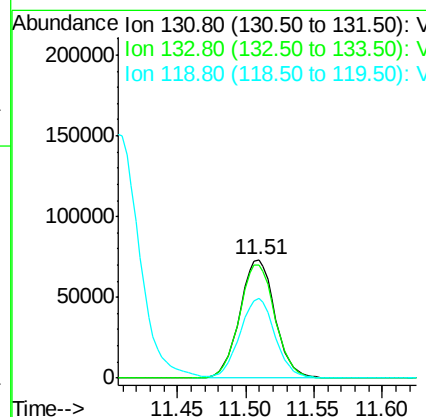
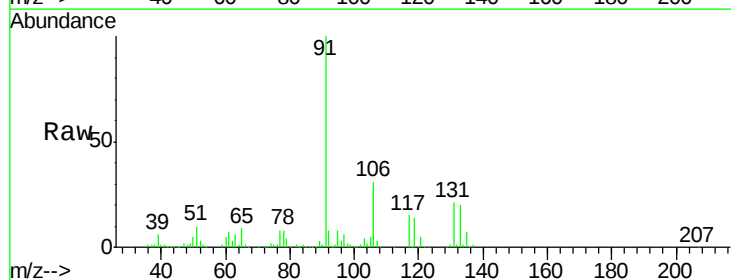
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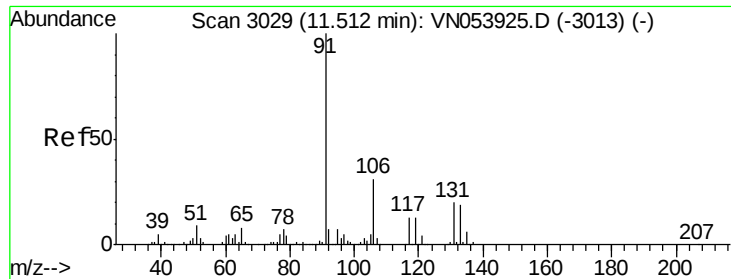
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.488 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion:131 Resp: 131899
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 67.2 33.1 99.3





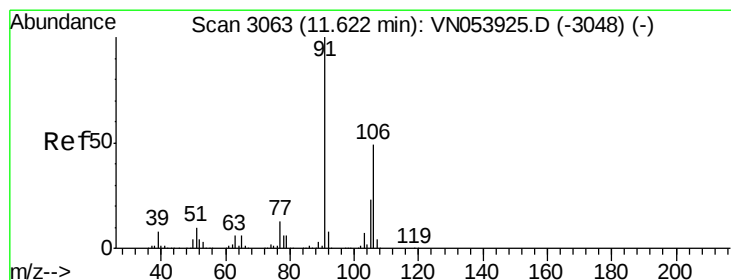
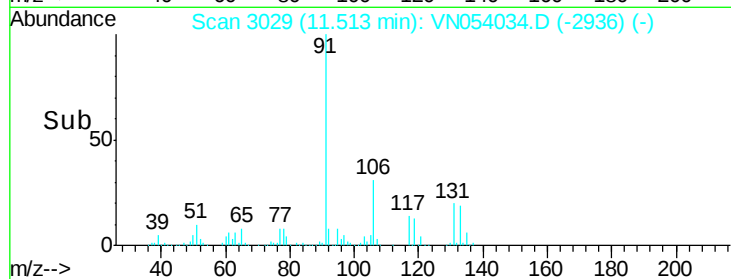
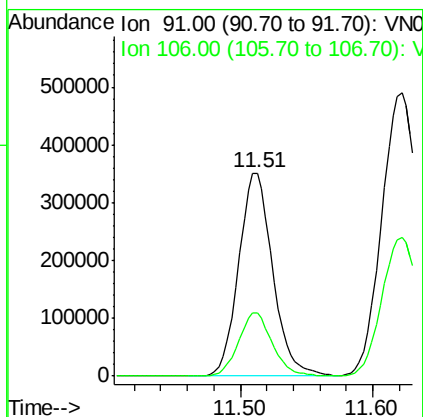
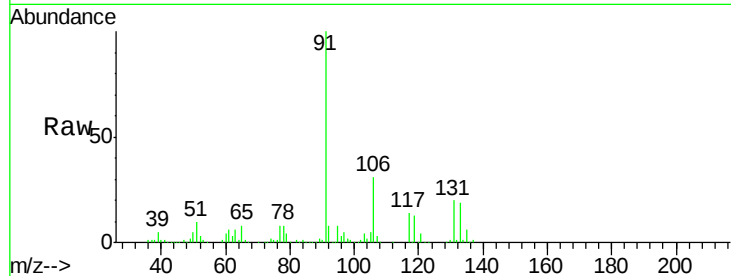
#67
Ethyl Benzene
Concen: 19.922 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampled :
VN0302WBS01

Tot Ion: 91 Resp: 627197
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

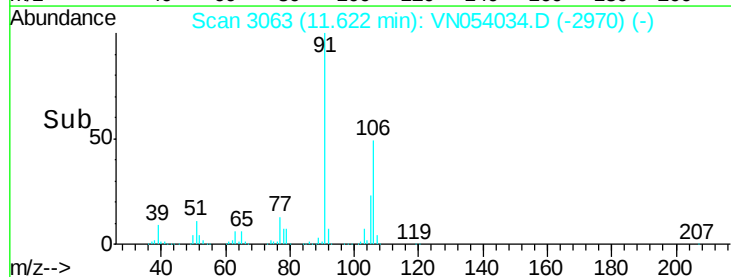
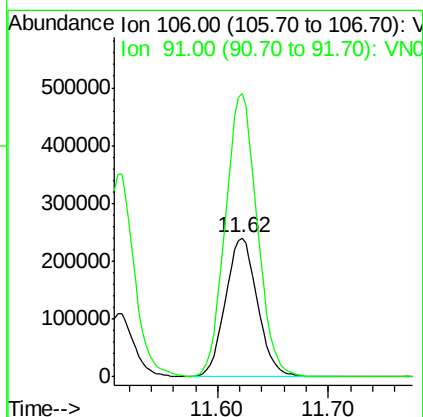
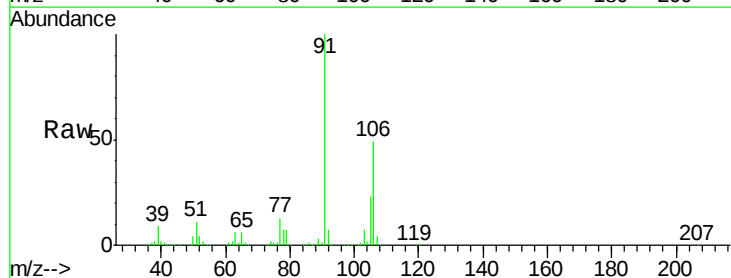
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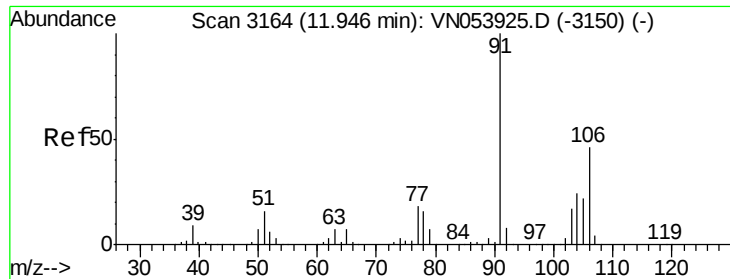
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#68
m/p-Xylenes
Concen: 40.649 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion: 106 Resp: 483008
Ion Ratio Lower Upper
106 100
91 203.2 158.9 238.3





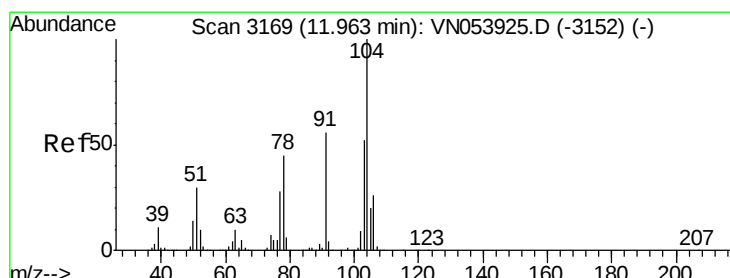
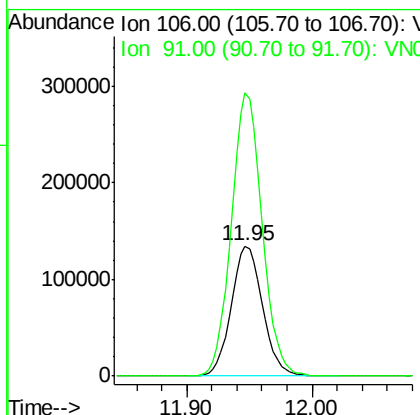
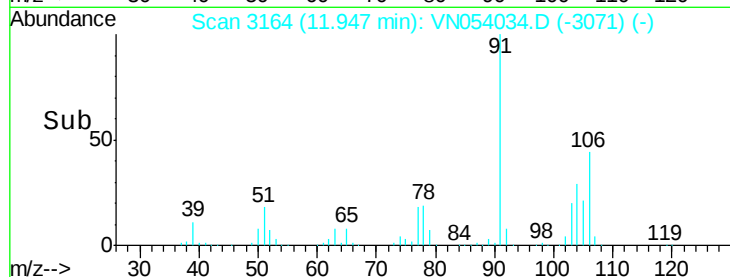
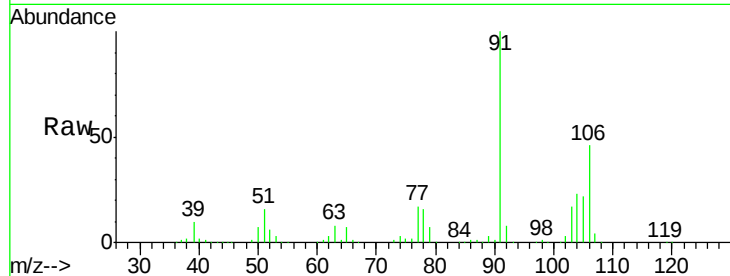
#69
o-Xylene
Concen: 19.917 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion:106 Resp: 232538
Ion Ratio Lower Upper
106 100
91 214.7 106.0 318.0

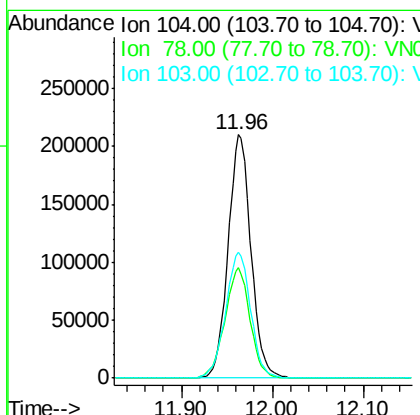
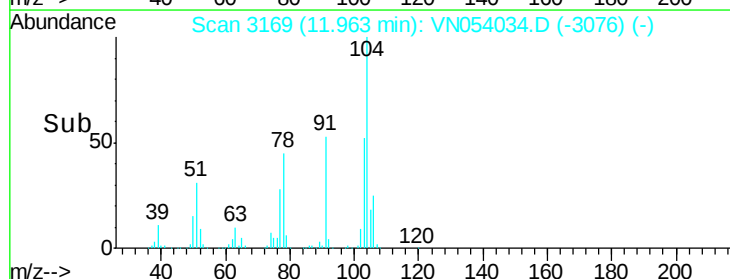
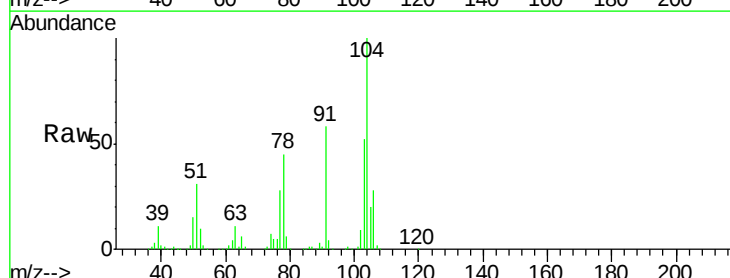
Manual Integrations
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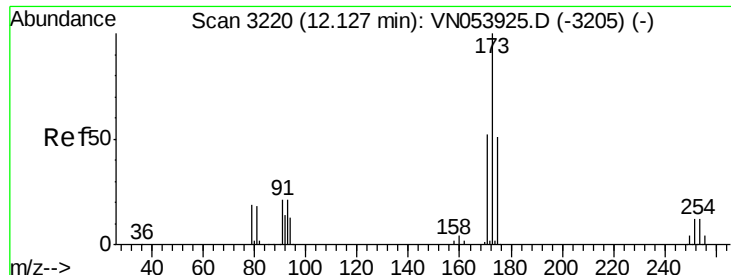
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#70
Styrene
Concen: 20.387 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion:104 Resp: 366116
Ion Ratio Lower Upper
104 100
78 49.8 38.1 57.1
103 56.5 44.6 67.0





#71

Bromoform

Concen: 18.801 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion:173 Resp: 88526

Ion Ratio Lower Upper

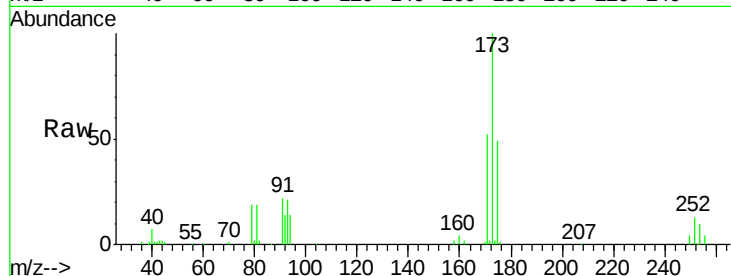
173 100

175 48.3 24.3 72.8

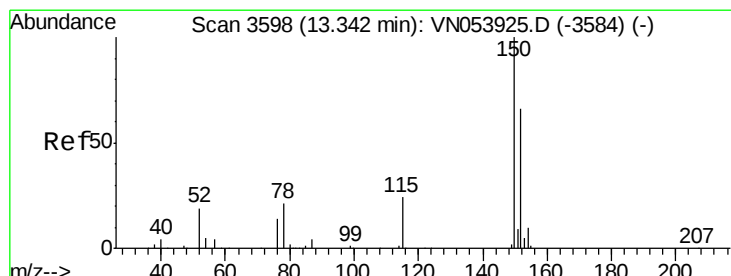
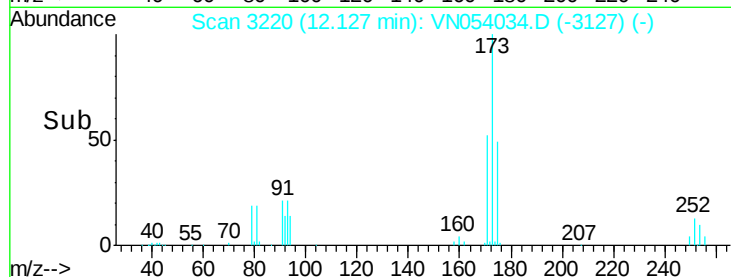
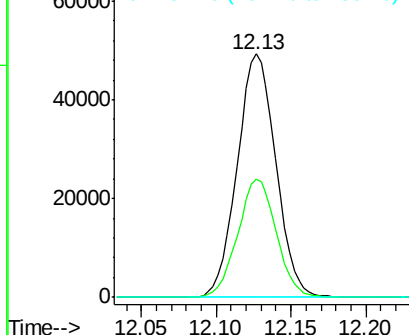
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

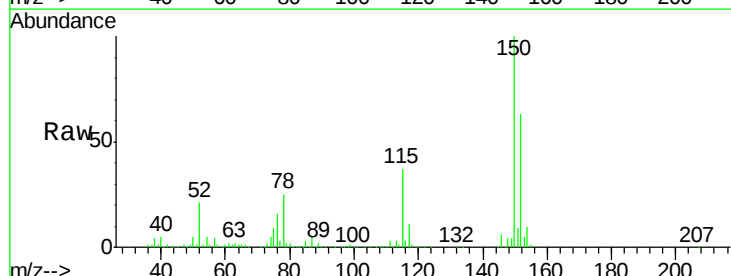
Tgt Ion:152 Resp: 376973

Ion Ratio Lower Upper

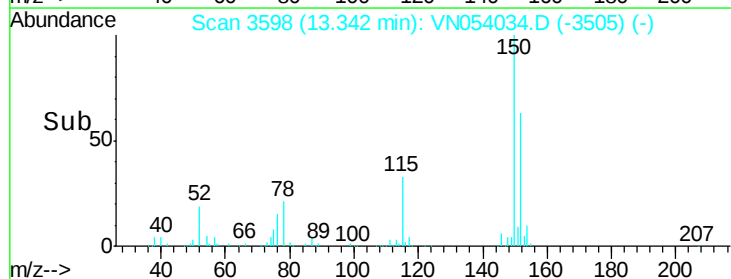
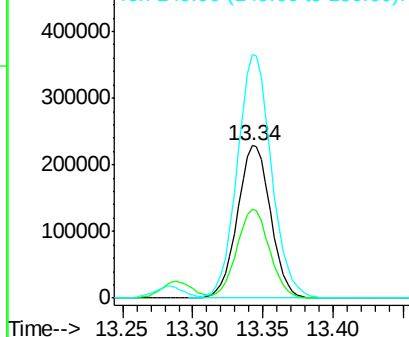
152 100

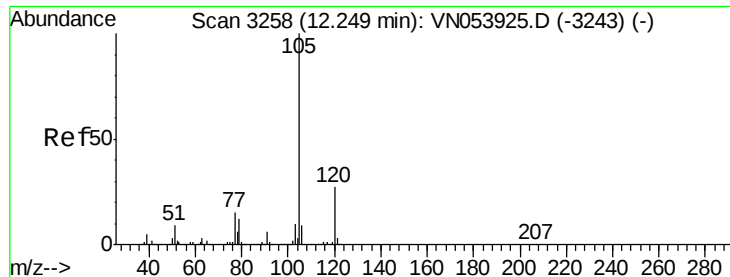
115 57.6 27.2 81.6

150 164.2 0.0 348.2



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





#73

Isopropylbenzene

Concen: 20.888 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 105 Resp: 612958

Ion Ratio Lower Upper

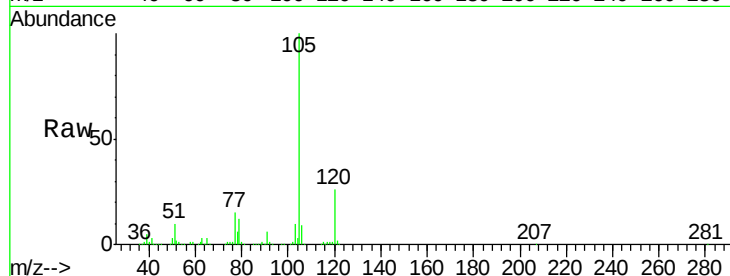
105 100

120 26.2 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

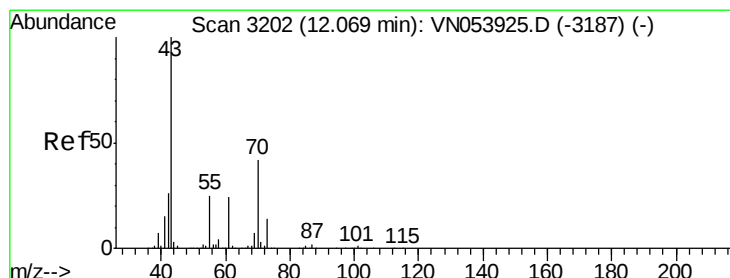
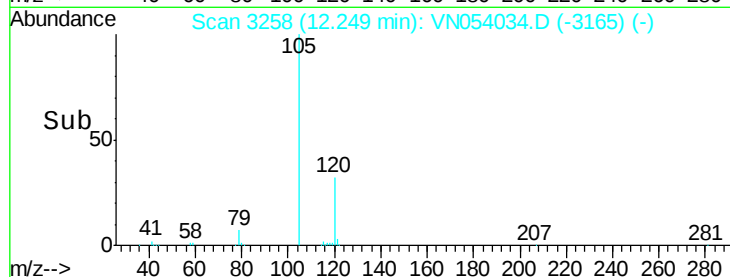
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.275 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Tgt Ion: 43 Resp: 163626

Ion Ratio Lower Upper

43 100

70 41.3 37.4 56.2

55 24.7 21.4 32.0

61 23.0 20.9 31.3

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

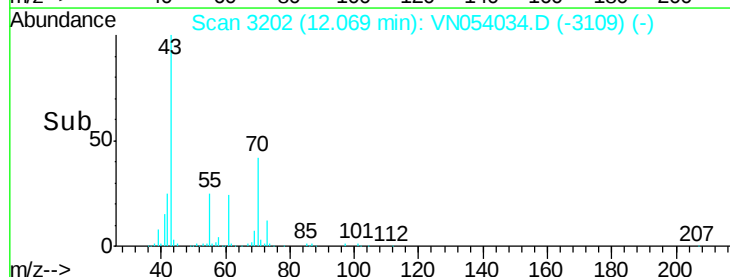
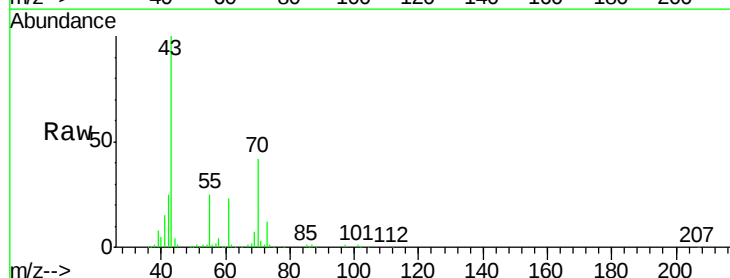
150000

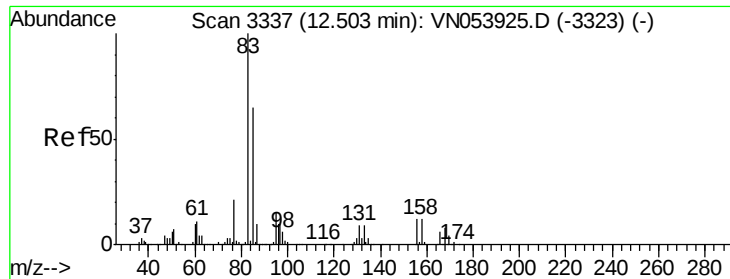
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.516 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 83 Resp: 150549

Ion Ratio Lower Upper

83 100

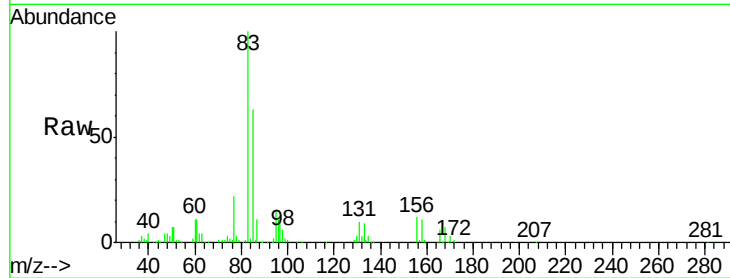
131 9.9 5.3 16.1

85 63.3 31.9 95.9

Manual Integrations
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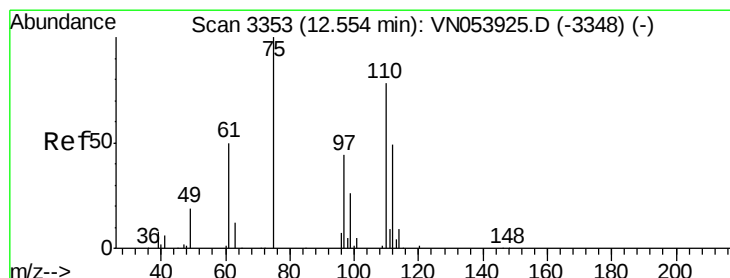
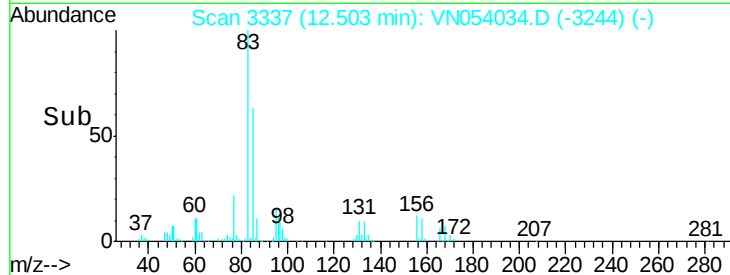
Abundance Ion 82.90 (82.60 to 83.60): VN054034.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054034.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054034.D (-3244) (-)

Time-->

12.50



#76

1,2,3-Trichloropropane

Concen: 20.763 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054034.D

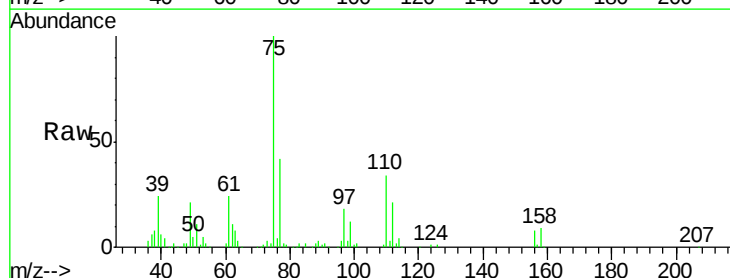
Acq: 1 Mar 2019 17:28

Tgt Ion: 75 Resp: 125560

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

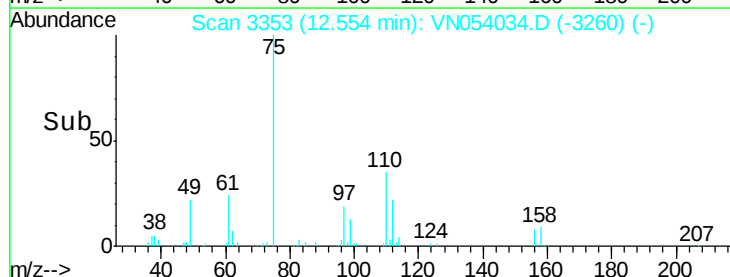


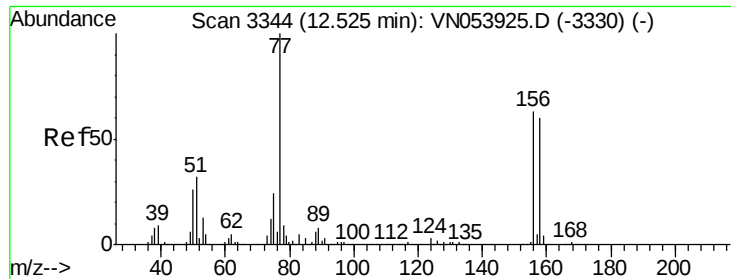
Abundance Ion 74.90 (74.60 to 75.60): VN054034.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054034.D (-3260) (-)

Time-->

12.55





#77

Bromobenzene

Concen: 20.300 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

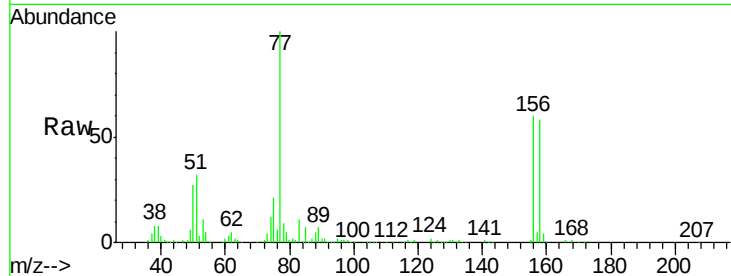
ClientSampleId :

VN0302WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	191.7	84.0	252.2
158	96.9	48.5	145.6

Manual Integrations
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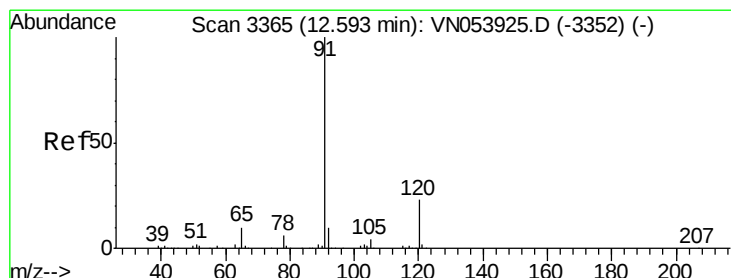
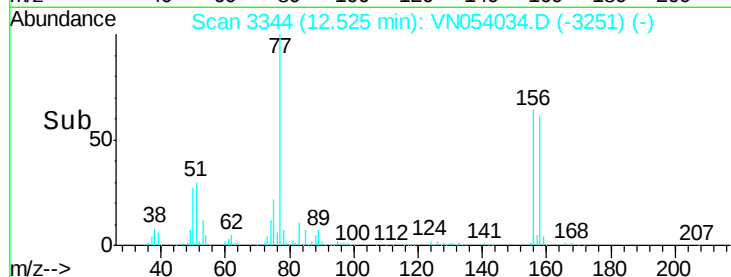
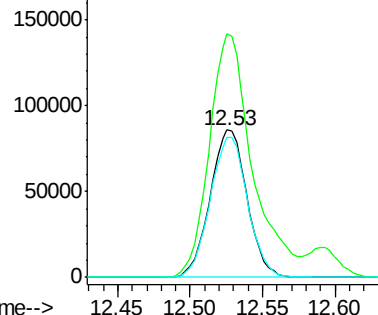
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.946 ug/l

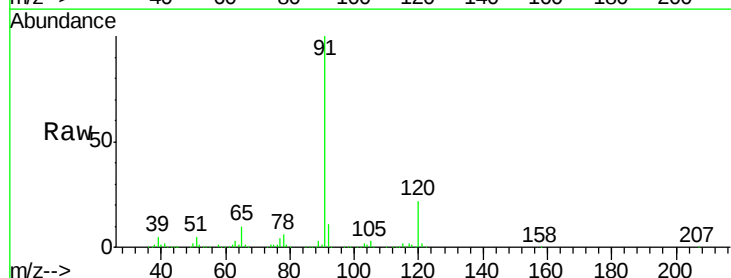
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054034.D

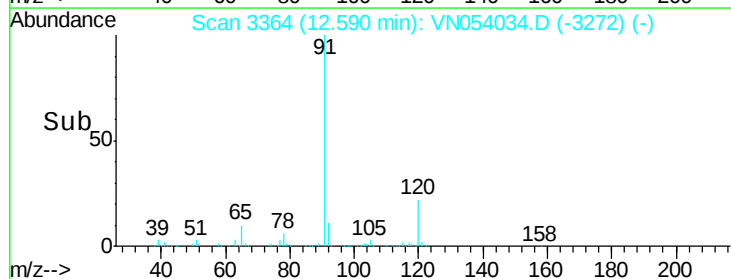
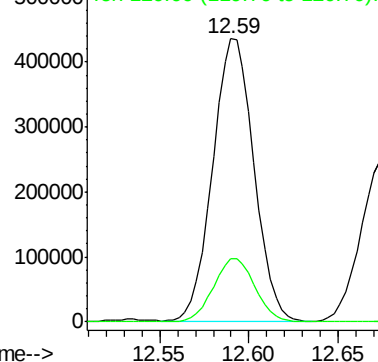
Acq: 1 Mar 2019 17:28

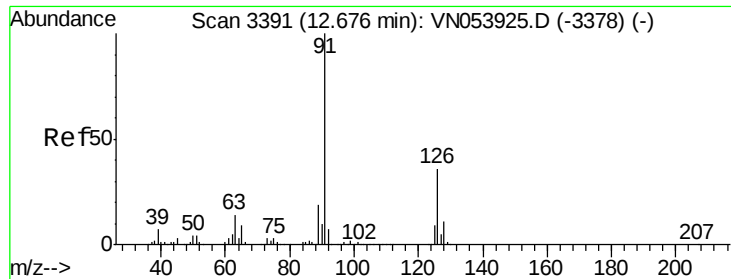
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.021 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion: 91 Resp: 421422

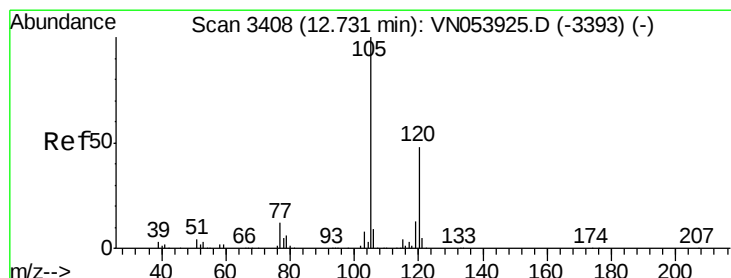
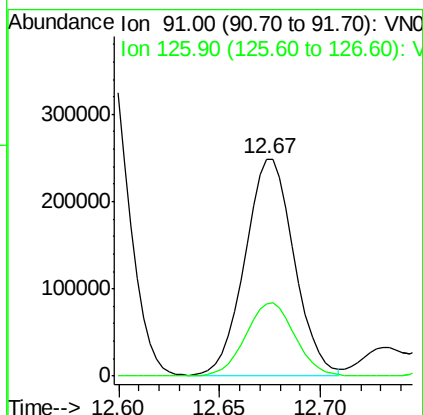
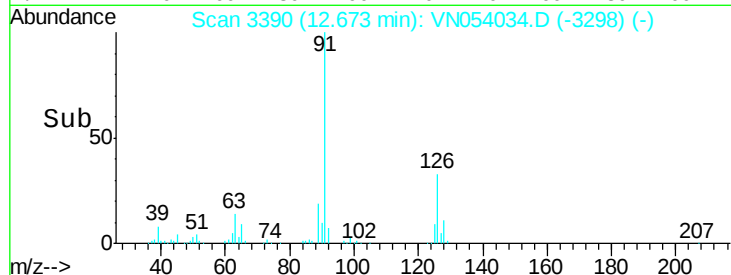
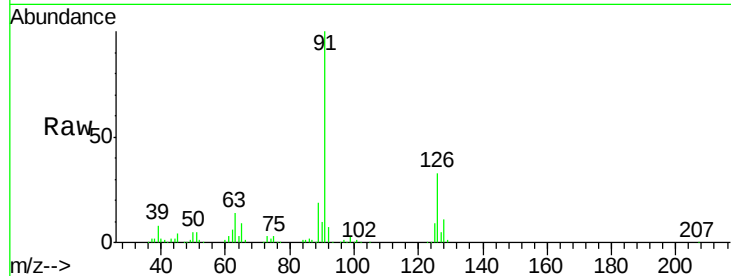
Ion Ratio Lower Upper

91 100

126 34.1 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 21.293 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054034.D

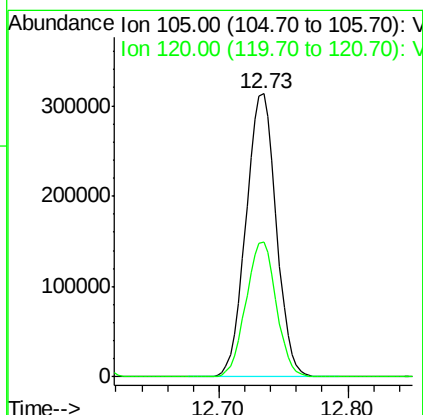
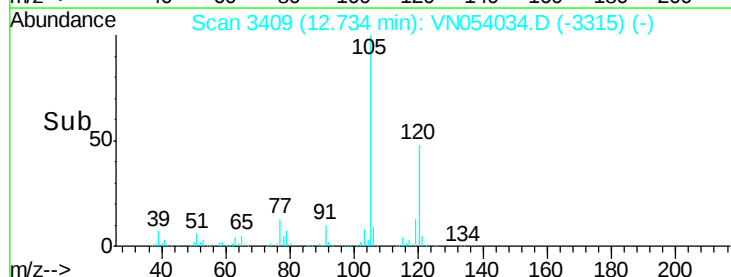
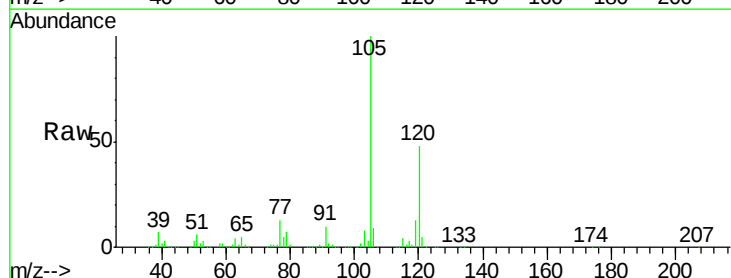
Acq: 1 Mar 2019 17:28

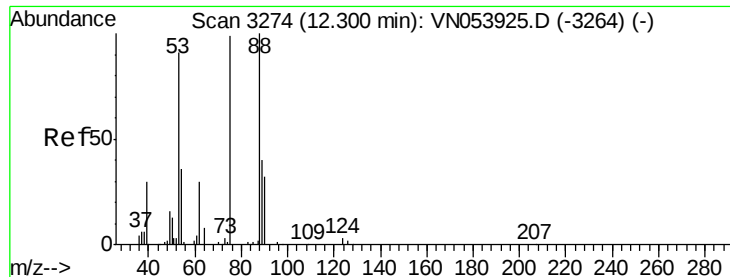
Tgt Ion: 105 Resp: 511541

Ion Ratio Lower Upper

105 100

120 47.9 25.1 75.2





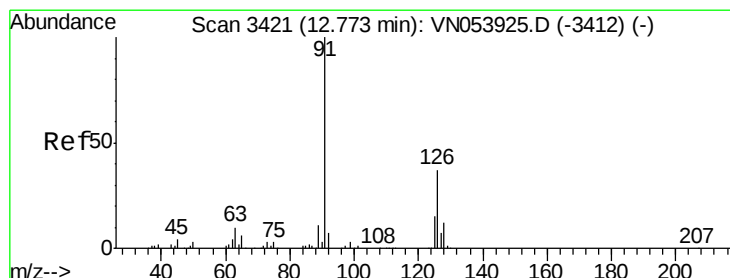
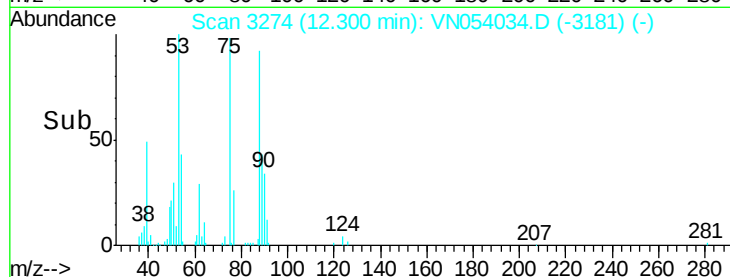
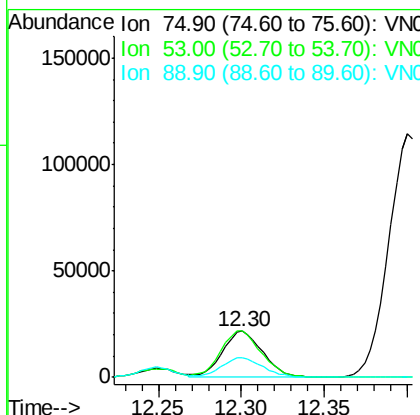
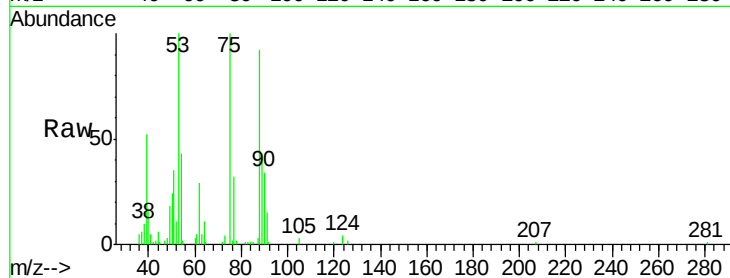
#81
trans-1,4-Dichloro-2-butene
Concen: 19.292 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	68.6	102.8
89	42.6	35.3	52.9

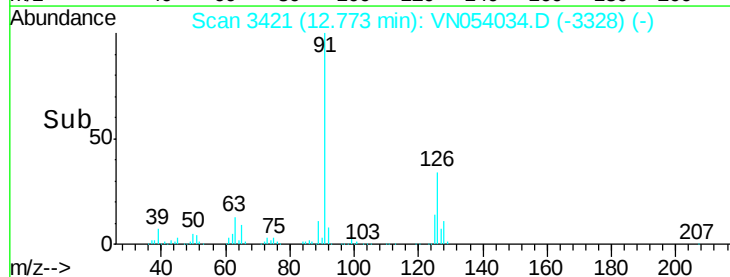
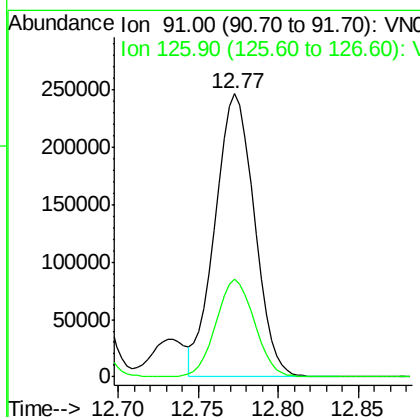
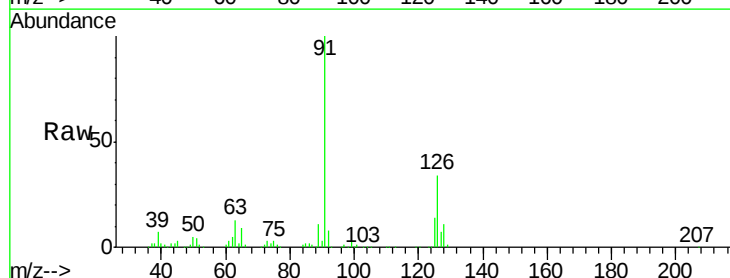
Manual Integrations
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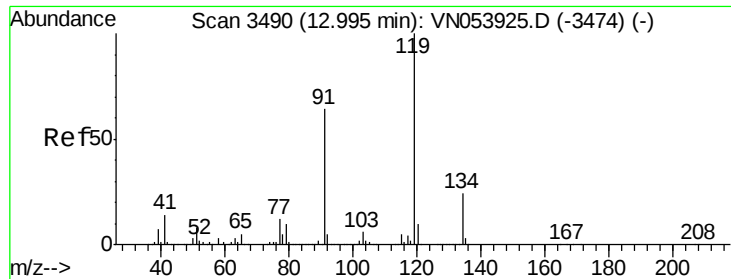
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.922 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	18.0	54.0





#83

tert-Butylbenzene

Concen: 20.646 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

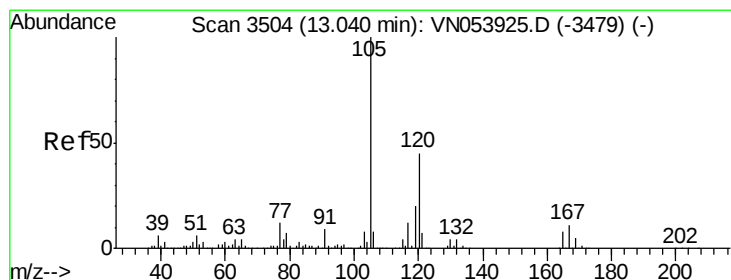
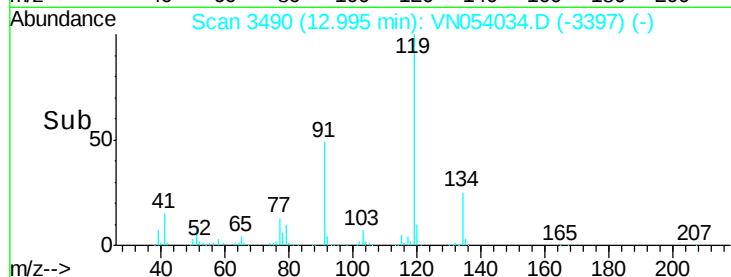
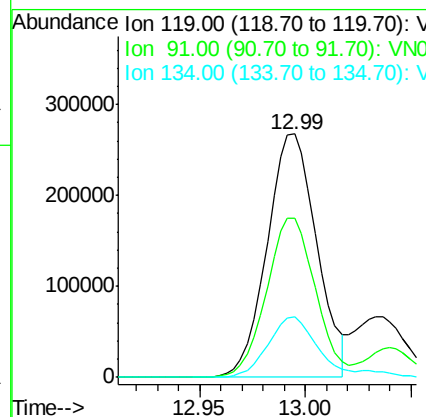
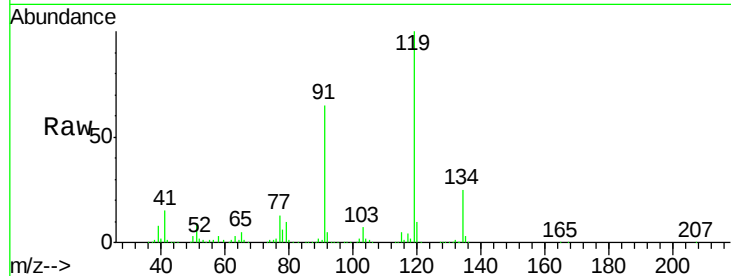
ClientSampleId :

VN0302WBS01

Tot Ion:	119	Resp:	438666
Ion Ratio	Lower	Upper	
119	100		
91	64.4	30.6	91.8
134	26.2	13.0	39.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.918 ug/l

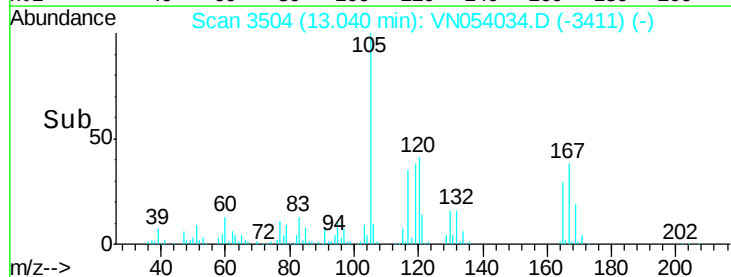
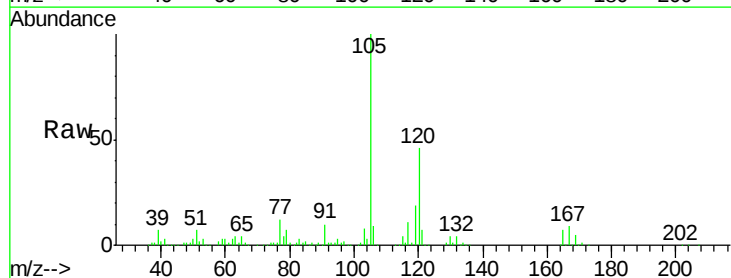
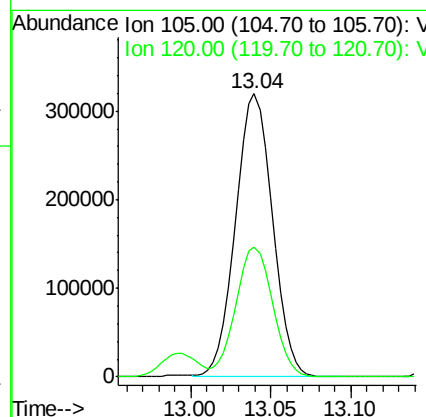
RT: 13.04 min Scan# 3504

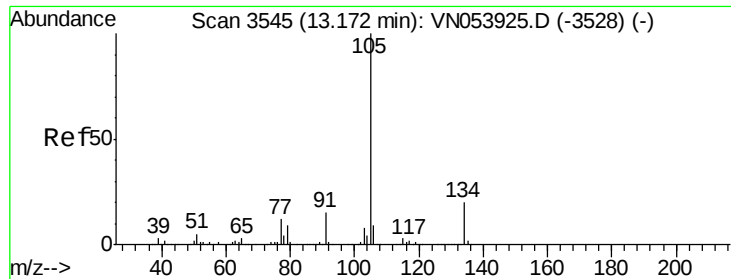
Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Tgt Ion:	105	Resp:	501683
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.2	69.5





#85

sec-Butylbenzene

Concen: 20.508 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBS01

Tot Ion:105 Resp: 595146

Ion Ratio Lower Upper

105 100

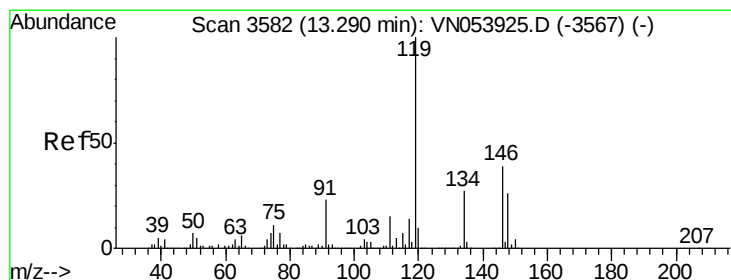
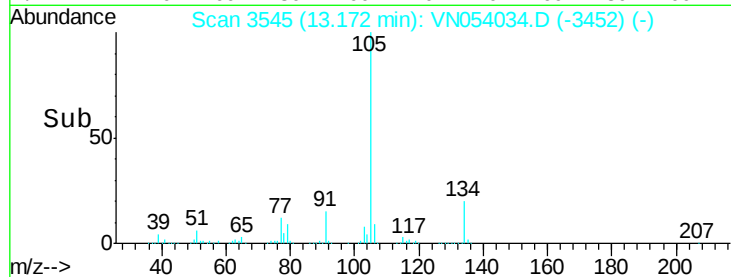
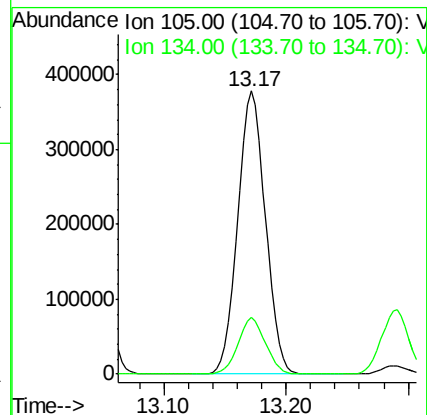
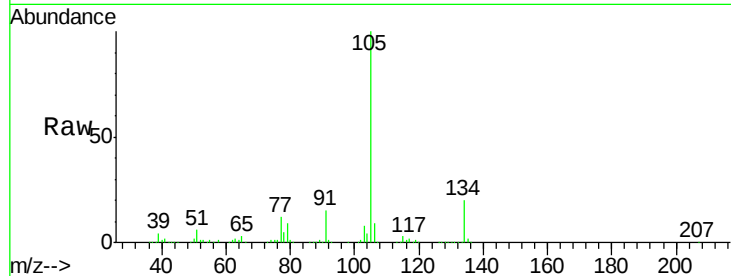
134 19.7 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.449 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

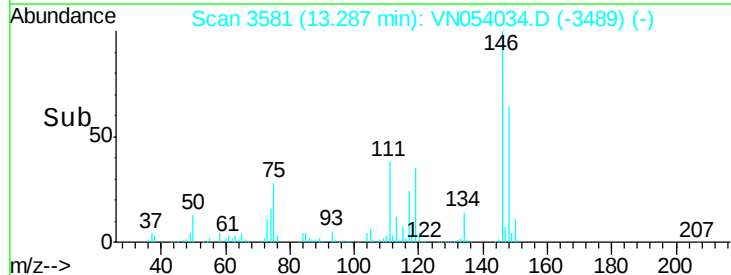
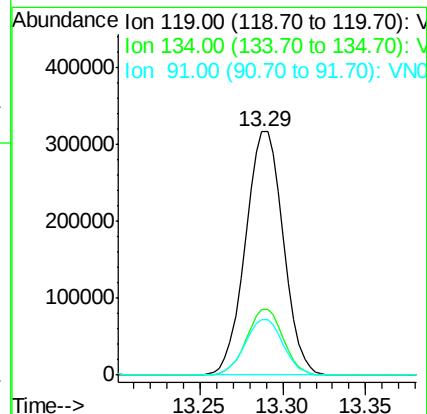
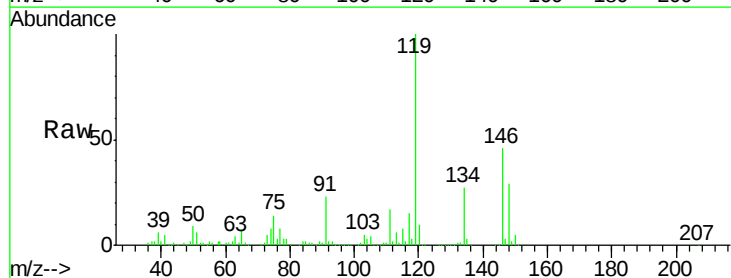
Tgt Ion:119 Resp: 501669

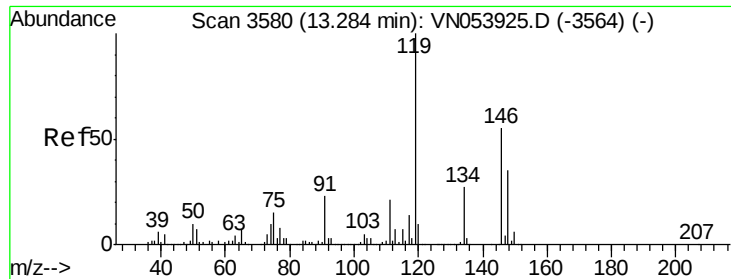
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.8 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 20.019 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

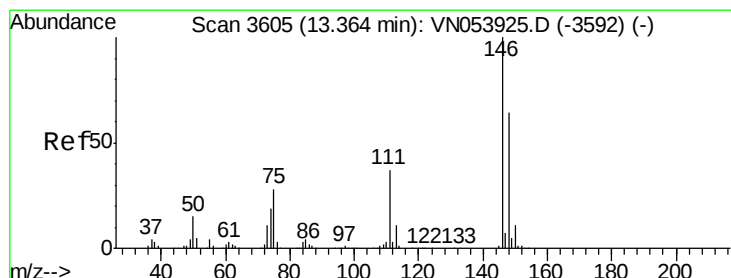
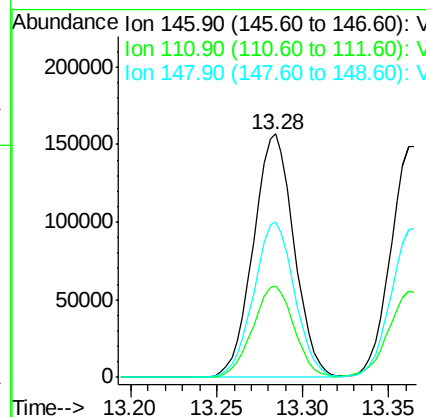
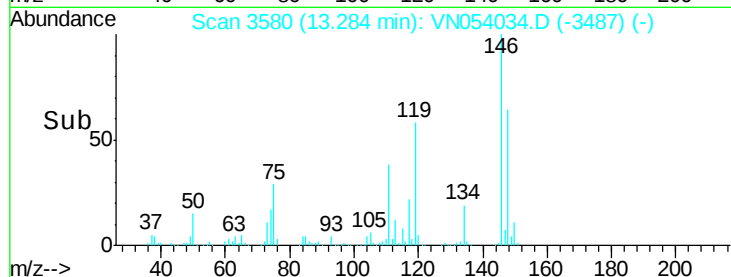
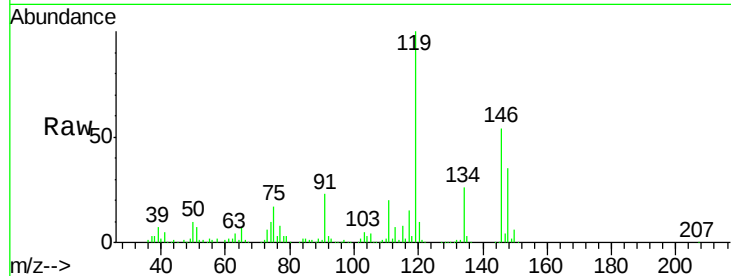
ClientSampleId :

VN0302WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258015		
111	37.9	18.7	56.1	
148	63.9	32.0	96.2	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.901 ug/l

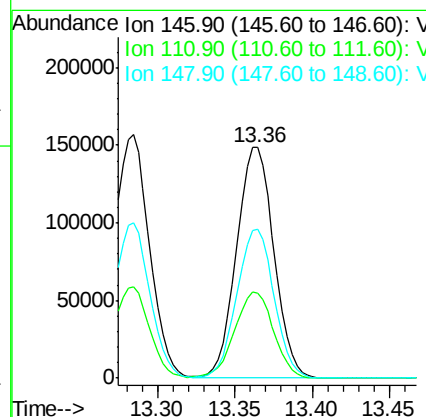
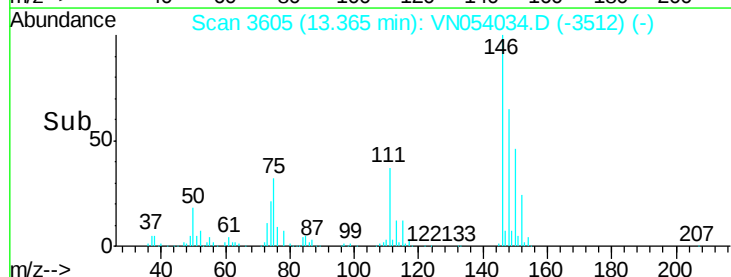
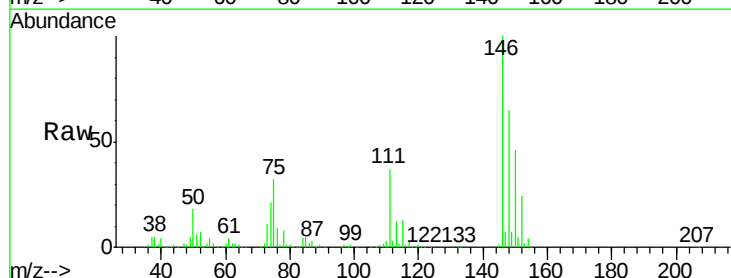
RT: 13.36 min Scan# 3605

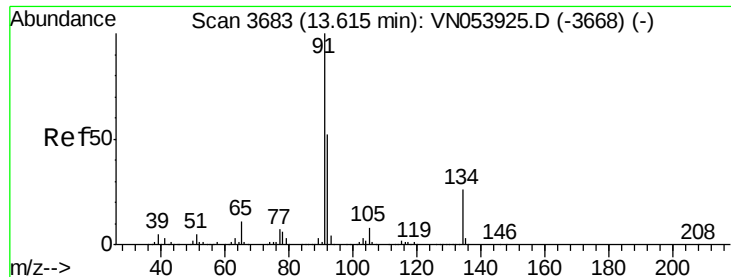
Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	248839		
111	38.9	18.0	54.0	
148	64.6	32.1	96.5	





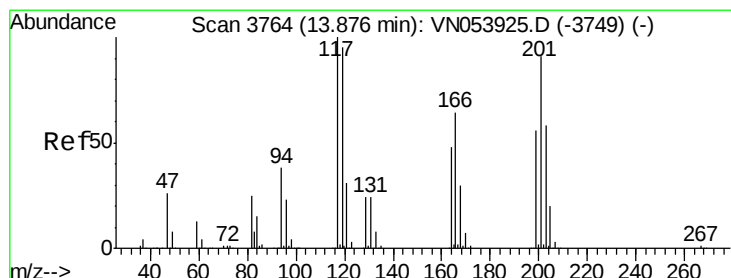
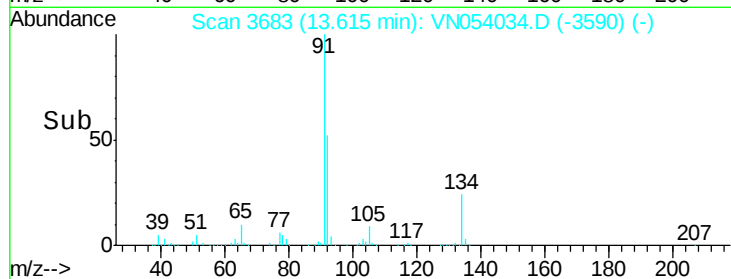
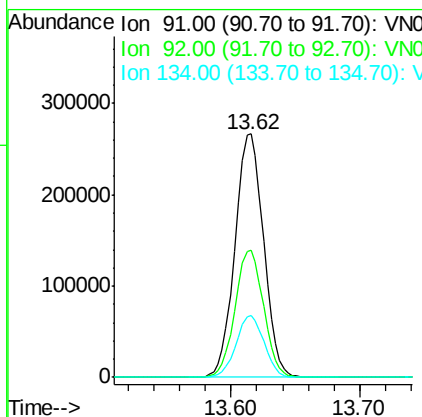
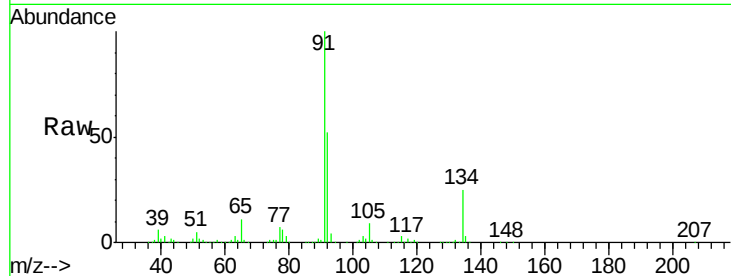
#89
n-Butylbenzene
Concen: 19.917 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	24.8	13.6	40.8

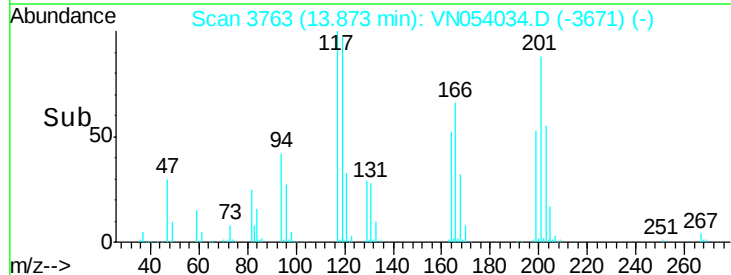
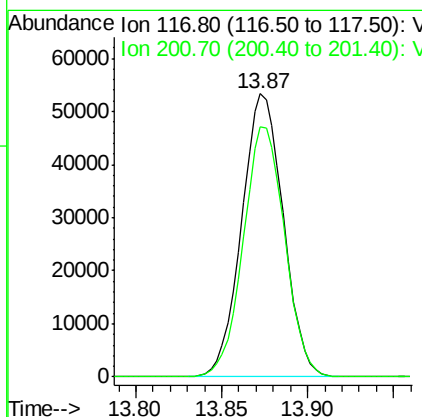
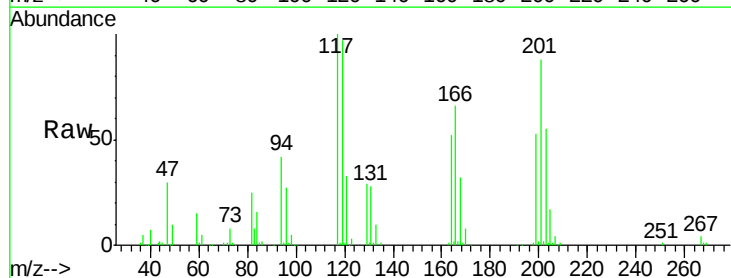
Manual Integrations
APPROVED

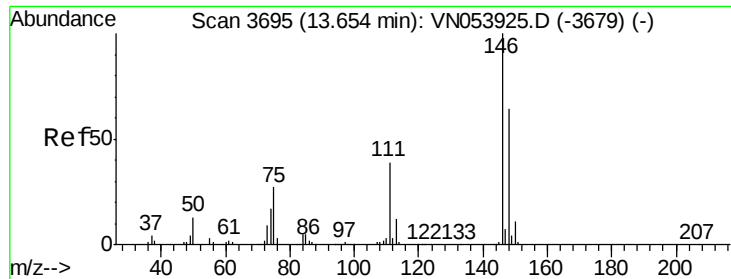
MMDadoda
3/4/2019 1:53:41 PM



#90
Hexachloroethane
Concen: 18.853 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054034.D
Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.0	48.0	144.2





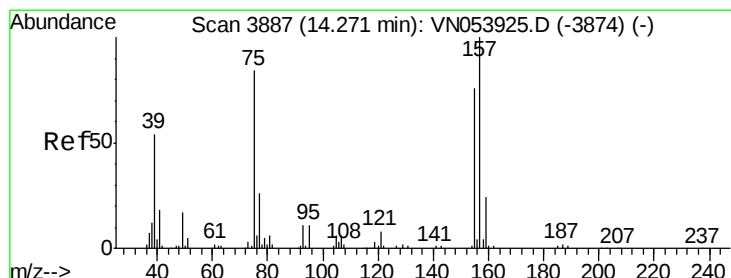
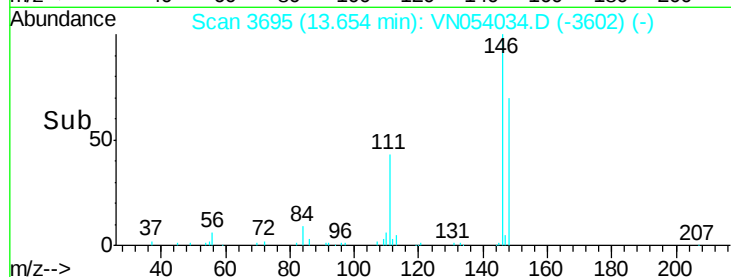
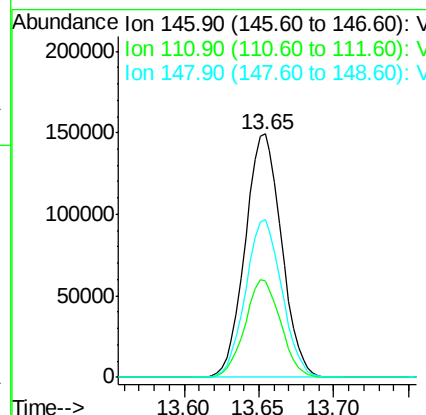
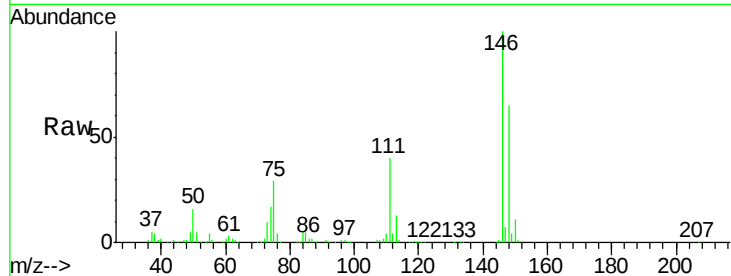
#91
 1,2-Dichlorobenzene
 Concen: 20.287 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.5
148	64.5	32.1	96.5

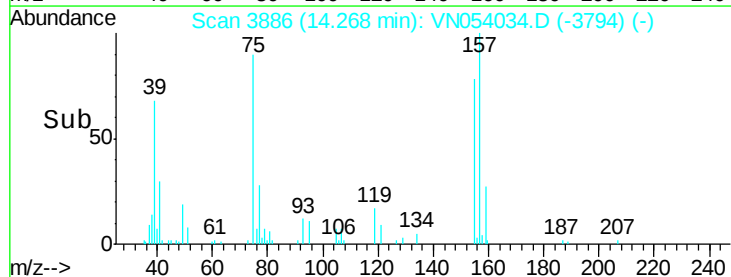
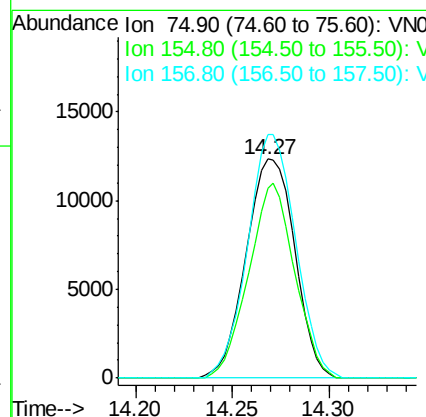
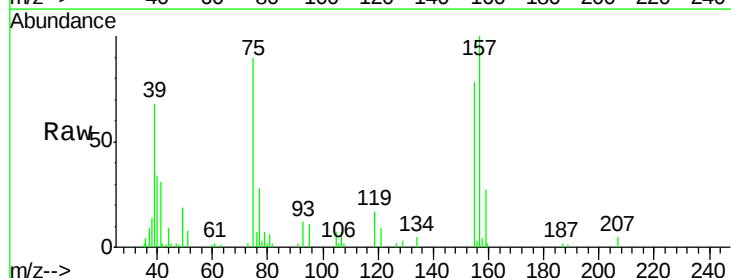
Manual Integrations
 APPROVED

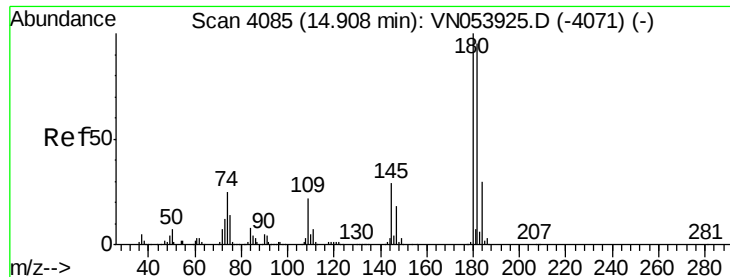
MMDadoda
 3/4/2019 1:53:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.907 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054034.D
 Acq: 1 Mar 2019 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	49.5	148.5
157	109.4	64.8	194.6





#93

1,2,4-Trichlorobenzene

Concen: 17.247 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

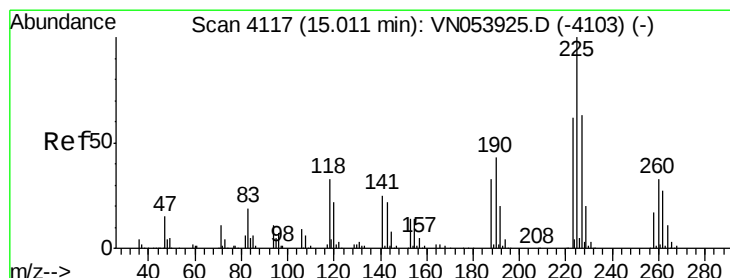
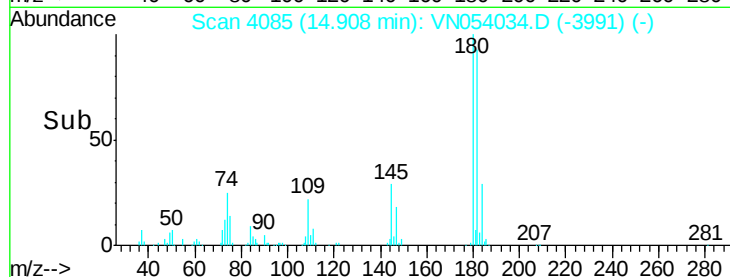
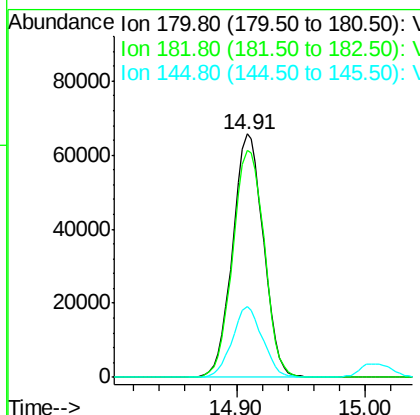
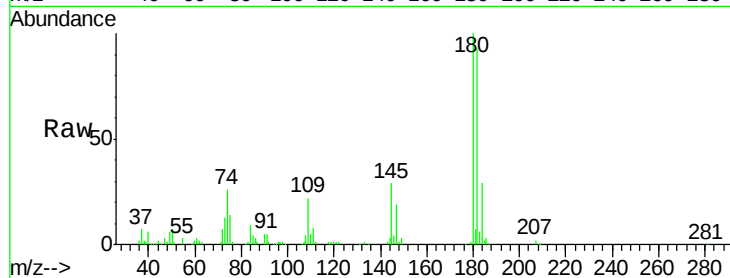
ClientSampleId :

VN0302WBS01

Tot Ion:	180	Resp:	108949
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.6	145.9
145	28.6	13.8	41.3

Manual Integrations
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3/4/2019 1:53:41 PM



#94

Hexachlorobutadiene

Concen: 18.428 ug/l

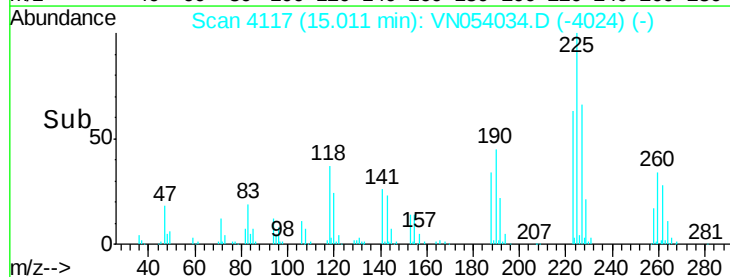
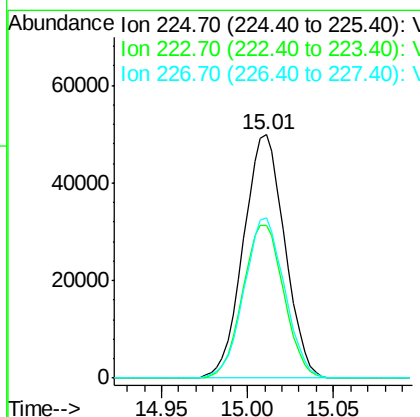
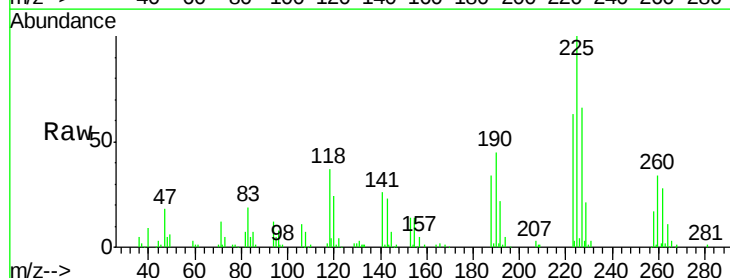
RT: 15.01 min Scan# 4117

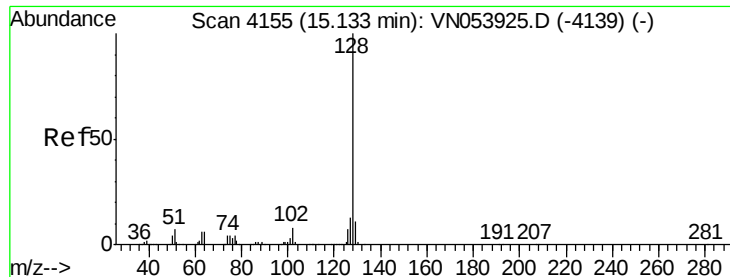
Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Tgt Ion:	225	Resp:	83050
Ion Ratio	Lower	Upper	
225	100		
223	62.7	30.9	92.5
227	64.5	32.5	97.4





#95

Naphthalene

Concen: 16.601 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Instrument :

MSVOA_N

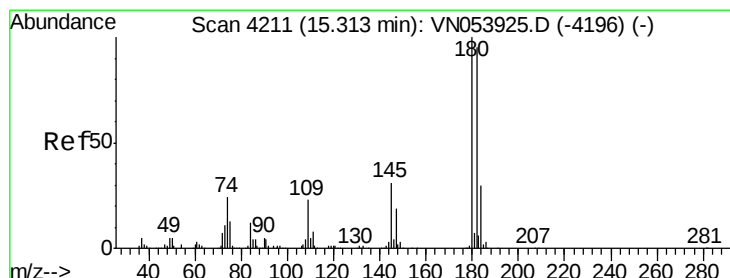
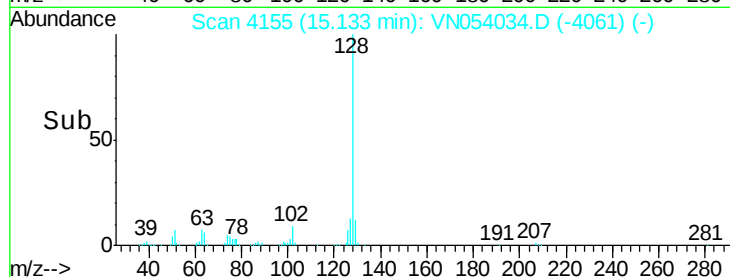
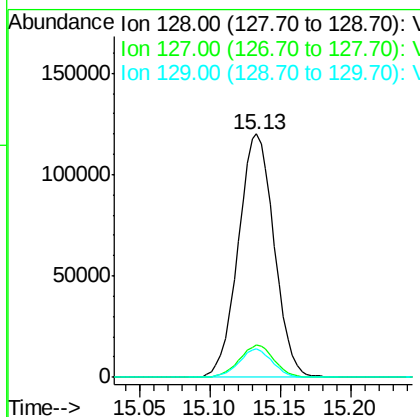
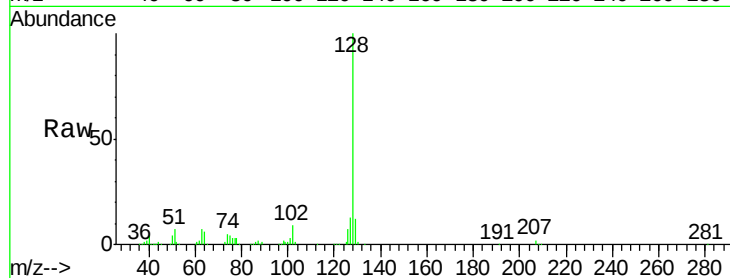
ClientSampleId :

VN0302WBS01

Tot Ion:	128	Resp:	213570
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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3/4/2019 1:53:41 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.528 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054034.D

Acq: 1 Mar 2019 17:28

Tgt Ion:	180	Resp:	109556
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.3	141.8
145	30.0	14.4	43.0

