

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053089.D
 Acq On : 21 Dec 2018 6:36
 Operator : MD\SY
 Sample : J6519-03MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:59 AM

Quant Time: Dec 21 07:39:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	959905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1504751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1345965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	648661	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	530838	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	
35) Dibromofluoromethane	7.59	113	451745	65.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.44%	
50) Toluene-d8	10.09	98	1887514	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	670869	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	416225	42.844	ug/l	99
3) Chloromethane	2.06	50	551812	46.873	ug/l	100
4) Vinyl Chloride	2.19	62	551974	46.296	ug/l	100
5) Bromomethane	2.57	94	314076	38.021	ug/l	98
6) Chloroethane	2.71	64	336618	47.671	ug/l	99
7) Trichlorofluoromethane	3.03	101	705592	47.506	ug/l	99
8) Diethyl Ether	3.41	74	292450	52.192	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	432629	45.684	ug/l	98
10) Methyl Iodide	3.96	142	583741	43.894	ug/l	99
11) Tert butyl alcohol	4.78	59	170808	287.376	ug/l	97
12) 1,1-Dichloroethene	3.74	96	441007	48.202	ug/l	98
13) Acrolein	3.61	56	112713	209.138	ug/l	98
14) Allyl chloride	4.33	41	683625	48.238	ug/l	98
15) Acrylonitrile	4.99	53	877163	265.644	ug/l	100
16) Acetone	3.82	43	587816	307.766	ug/l	96
17) Carbon Disulfide	4.06	76	1298311	43.513	ug/l	100
18) Methyl Acetate	4.33	43	468953	54.016	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1874630	76.566	ug/l	100
20) Methylene Chloride	4.55	84	521956	50.099	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	492694	50.122	ug/l	98
22) Diisopropyl ether	5.95	45	1616682	53.444	ug/l	98
23) Vinyl Acetate	5.90	43	4950311	284.590	ug/l	98
24) 1,1-Dichloroethane	5.85	63	921450	51.262	ug/l	99
25) 2-Butanone	6.83	43	912521	284.686	ug/l	98
26) 2,2-Dichloropropane	6.83	77	505413	36.833	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	566369	50.893	ug/l	98
28) Bromochloromethane	7.20	49	414845	53.260	ug/l	94
29) Tetrahydrofuran	7.21	42	644566	269.244	ug/l	97
30) Chloroform	7.37	83	903634	51.174	ug/l	100
31) Cyclohexane	7.66	56	814106	48.253	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	740046	49.197	ug/l	99
36) 1,1-Dichloropropene	7.80	75	681436	47.181	ug/l	100
37) Ethyl Acetate	6.93	43	432359	53.624	ug/l	98
38) Carbon Tetrachloride	7.78	117	634013	47.892	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	769756	43.872	ug/l	98
40) Benzene	8.04	78	2190151	50.981	ug/l	99
41) Methacrylonitrile	7.17	41	250979	53.874	ug/l	96
42) 1,2-Dichloroethane	8.13	62	632779	49.859	ug/l	99
43) Isopropyl Acetate	8.17	43	827549	53.103	ug/l	99
44) Trichloroethene	8.84	130	567745	45.691	ug/l	98
45) 1,2-Dichloropropane	9.12	63	565529	50.539	ug/l	100
46) Dibromomethane	9.21	93	326406	50.073	ug/l	98
47) Bromodichloromethane	9.40	83	691518	49.906	ug/l	100
48) Methyl methacrylate	9.20	41	403629	51.589	ug/l	99
49) 1,4-Dioxane	9.20	88	101955	1030.172	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2190180	280.498	ug/l	99
52) Toluene	10.16	92	1312951	49.307	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	689759	47.339	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	797691	47.695	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	480434	51.717	ug/l	99
56) Ethyl methacrylate	10.43	69	668805	54.393	ug/l	97
57) 1,3-Dichloropropane	10.71	76	806513	50.628	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1742902	258.194	ug/l	98
59) 2-Hexanone	10.75	43	1469472	278.158	ug/l	99
60) Dibromochloromethane	10.90	129	530260	49.866	ug/l	100
61) 1,2-Dibromoethane	11.01	107	476825	50.540	ug/l	100
64) Tetrachloroethene	10.63	164	579562	39.751	ug/l	98
65) Chlorobenzene	11.43	112	1451181	48.638	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	516304	49.762	ug/l	99
67) Ethyl Benzene	11.51	91	2500628	48.735	ug/l	100
68) m/p-Xylenes	11.62	106	1888515	96.817	ug/l	100
69) o-Xylene	11.95	106	938744	50.153	ug/l	100
70) Styrene	11.97	104	1541859	50.518	ug/l	100
71) Bromoform	12.13	173	363949	48.556	ug/l #	100
73) Isopropylbenzene	12.25	105	2699382	53.188	ug/l	100
74) N-amyl acetate	12.07	43	833271	59.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	561127	56.356	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	521060m	47.718	ug/l	
77) Bromobenzene	12.53	156	688935	52.221	ug/l	91
78) n-propylbenzene	12.59	91	3117832	53.940	ug/l	99
79) 2-Chlorotoluene	12.68	91	1646386	45.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1976850	47.788	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147292	43.476	ug/l	97
82) 4-Chlorotoluene	12.77	91	1700179	48.476	ug/l	100
83) tert-Butylbenzene	12.99	119	1734898	47.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2021611	48.613	ug/l	99
85) sec-Butylbenzene	13.17	105	2407341	48.647	ug/l	99
86) p-Isopropyltoluene	13.29	119	1995033	46.657	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1118026	47.882	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1112327	47.041	ug/l	100
89) n-Butylbenzene	13.62	91	1673577	45.494	ug/l	99
90) Hexachloroethane	13.88	117	348104	53.050	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	1072317	48.797	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85493	49.659	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	568011	48.802	ug/l	97
94) Hexachlorobutadiene	15.01	225	305226	50.671	ug/l	99
95) Naphthalene	15.13	128	1549176	60.497	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	523795	49.961	ug/l	98

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

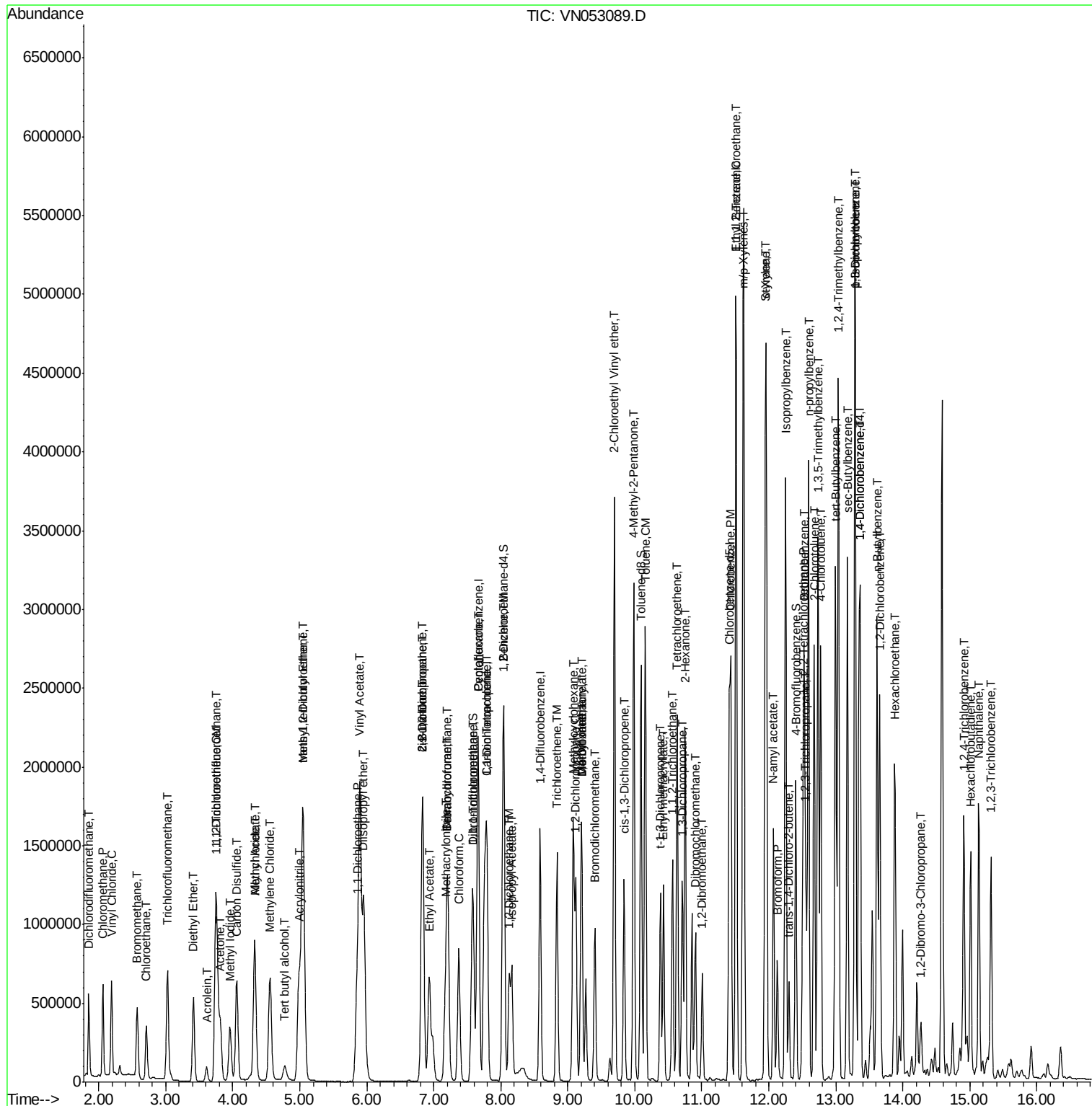
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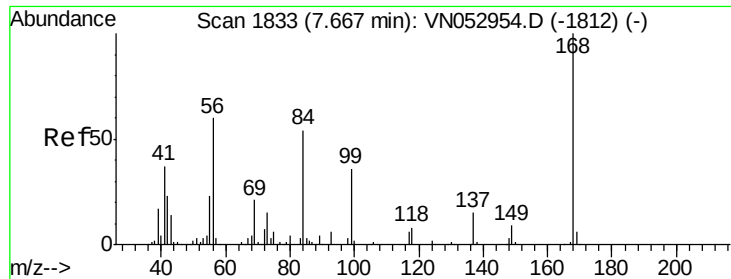
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

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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: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:168 Resp: 959905

Ion Ratio Lower Upper

168 100

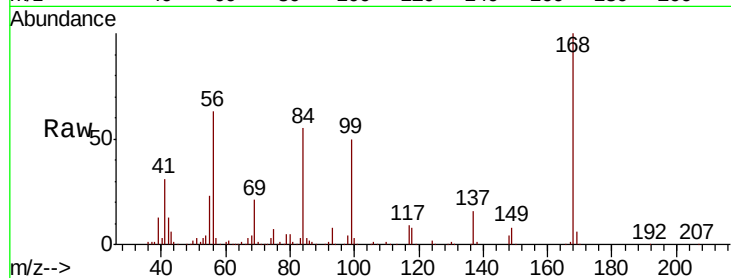
99 50.3 40.2 60.2

Manual Integrations

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12/21/2018 11:31:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

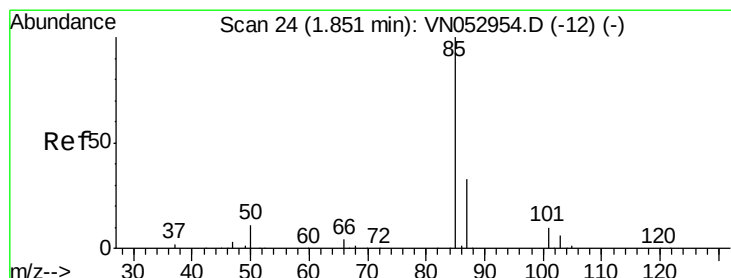
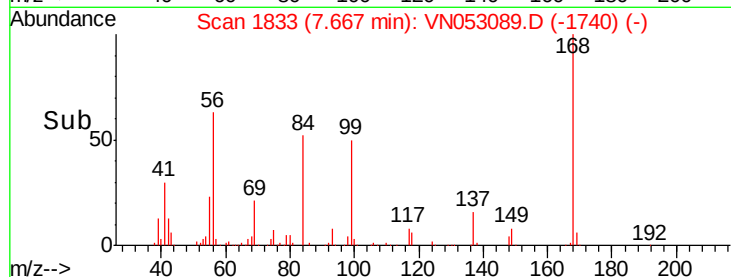
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.844 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053089.D

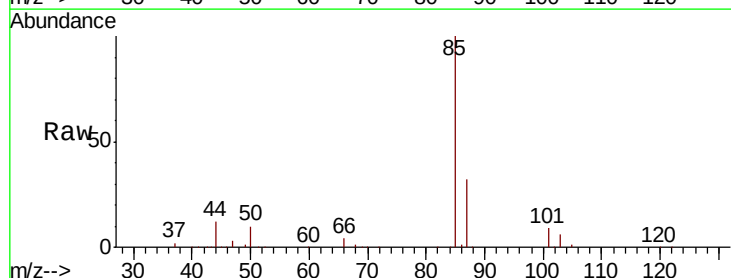
Acq: 21 Dec 2018 6:36

Tgt Ion: 85 Resp: 416225

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

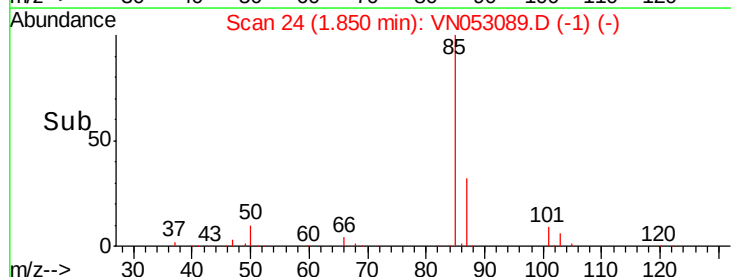
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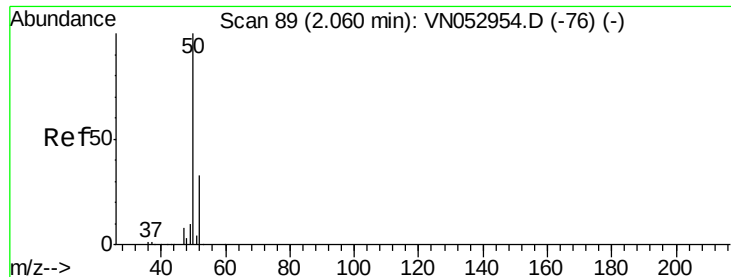
200000

100000

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Time-->





#3

Chloromethane

Concen: 46.873 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 50 Resp: 551812

Ion Ratio Lower Upper

50 100

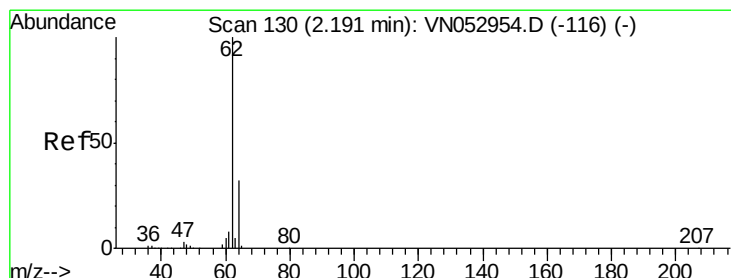
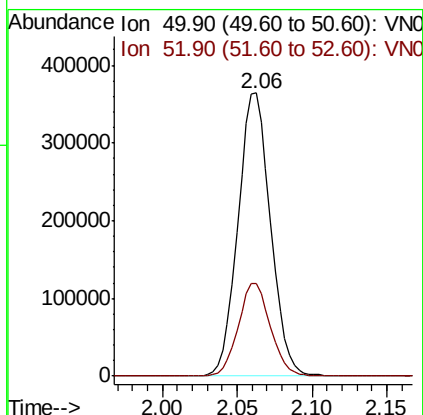
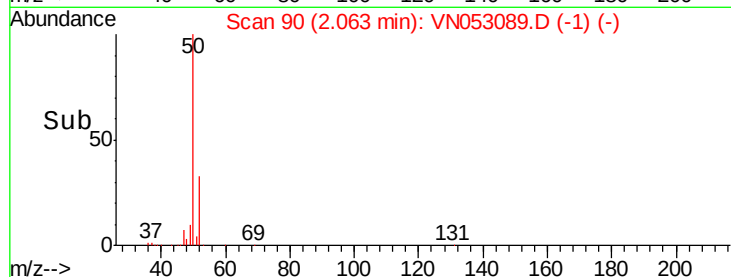
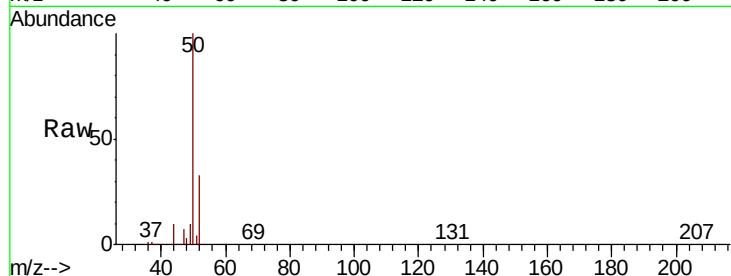
52 32.6 26.2 39.4

Manual Integrations

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12/21/2018 11:31:59 AM



#4

Vinyl Chloride

Concen: 46.296 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053089.D

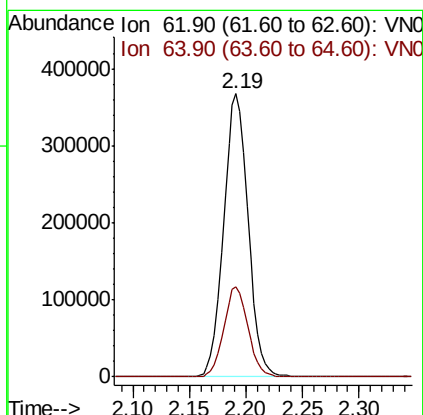
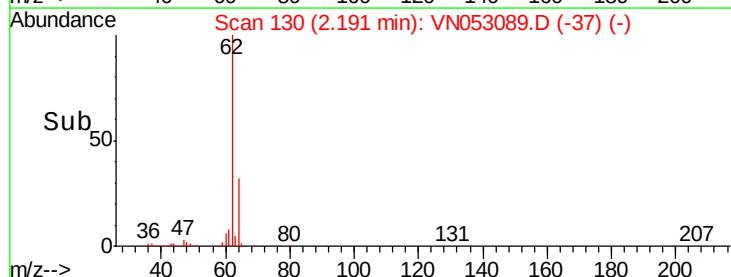
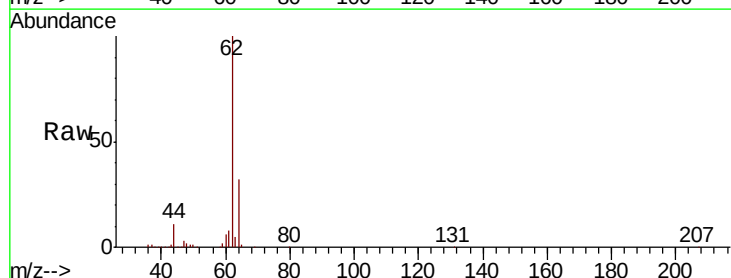
Acq: 21 Dec 2018 6:36

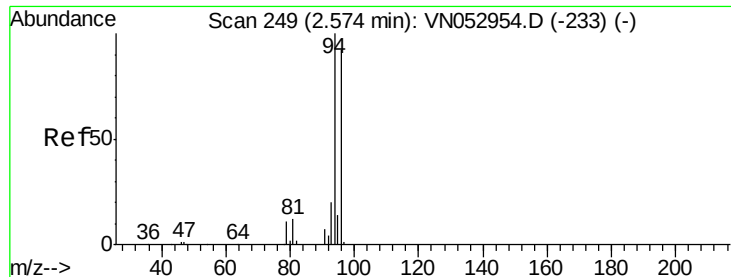
Tgt Ion: 62 Resp: 551974

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 38.021 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

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Tot Ion: 94 Resp: 314076

Ion Ratio Lower Upper

94 100

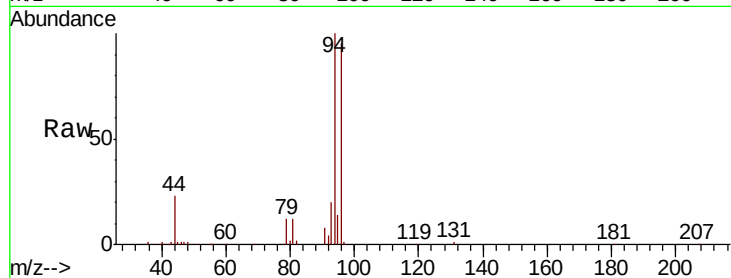
96 95.4 75.0 112.4

Manual Integrations

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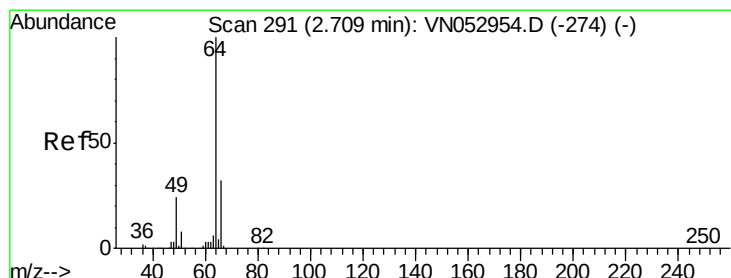
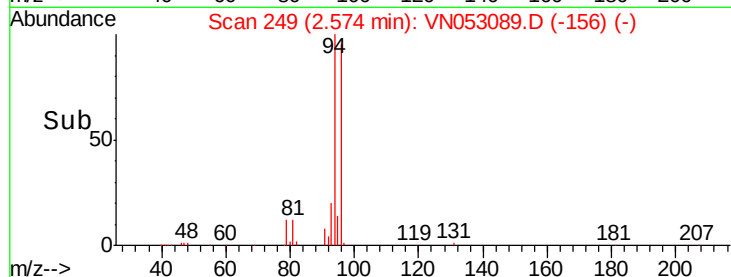
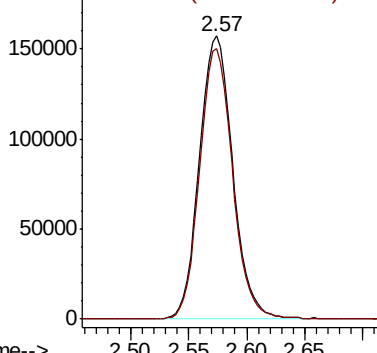
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12/21/2018 11:31:59 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.671 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053089.D

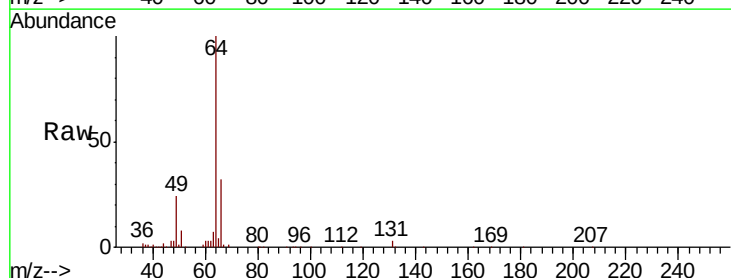
Acq: 21 Dec 2018 6:36

Tgt Ion: 64 Resp: 336618

Ion Ratio Lower Upper

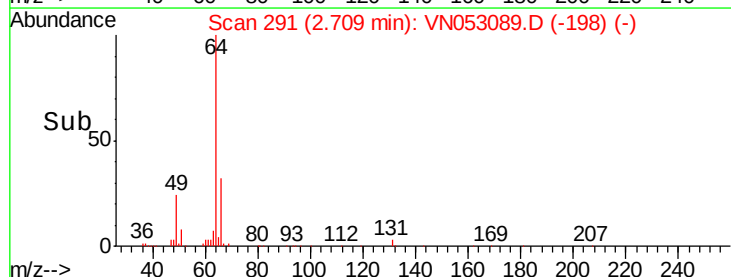
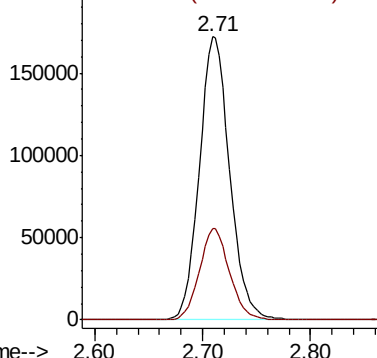
64 100

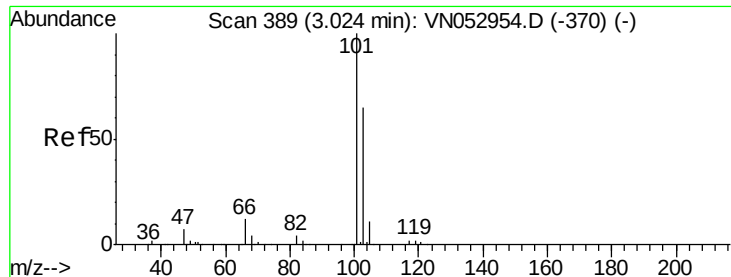
66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

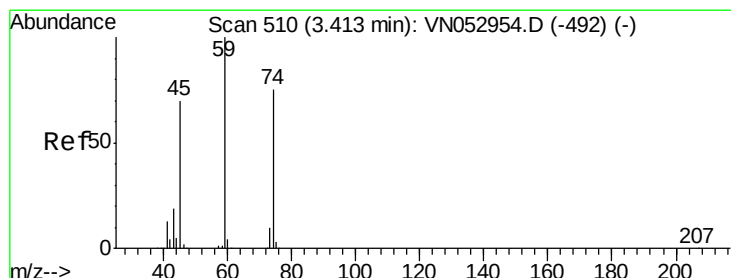
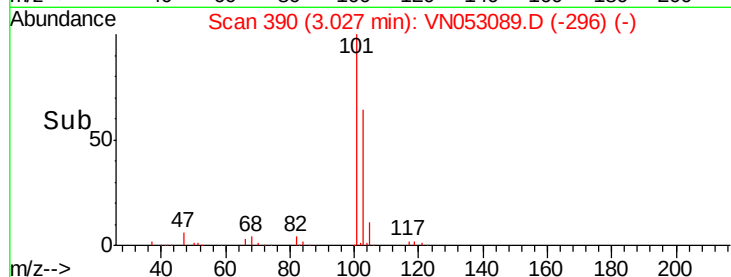
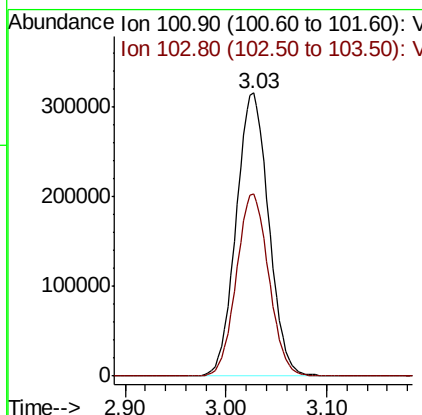
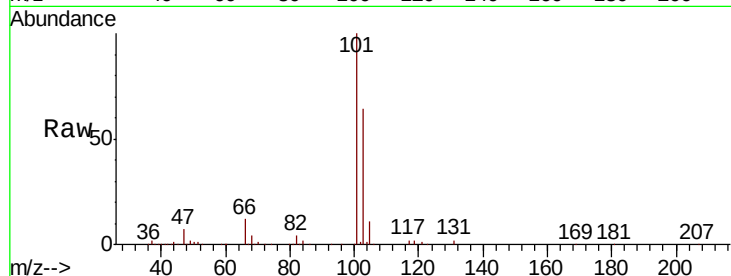
Trichlorofluoromethane
 Concen: 47.506 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

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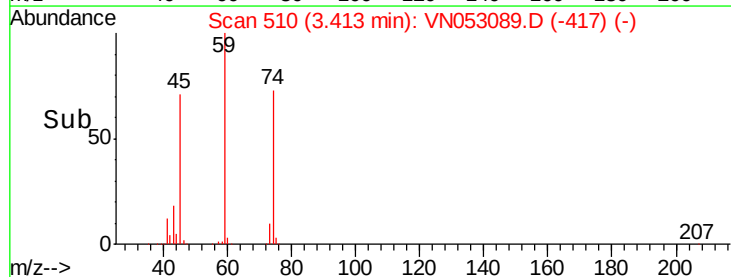
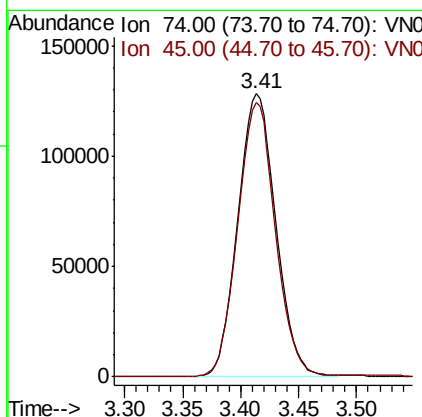
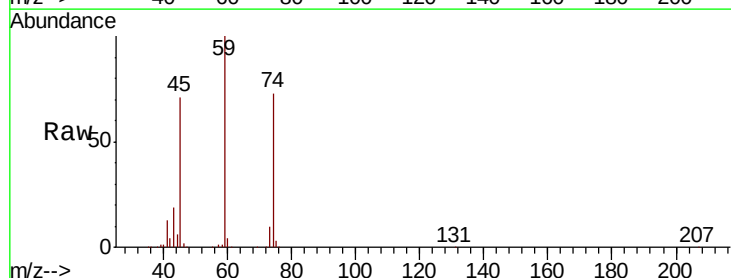
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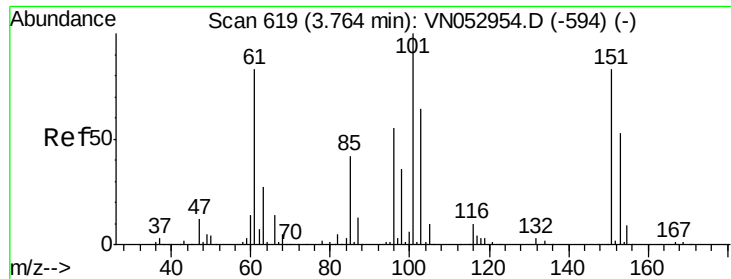


#8

Diethyl Ether
 Concen: 52.192 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053089.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.684 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

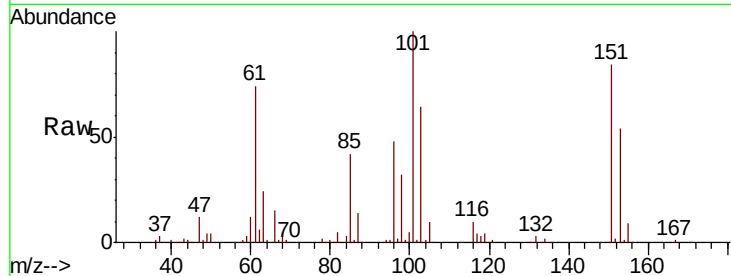
ClientSampleId :

T11-MW-13-8.0-122018MSD

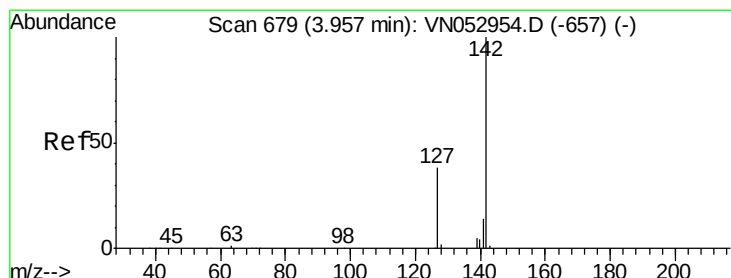
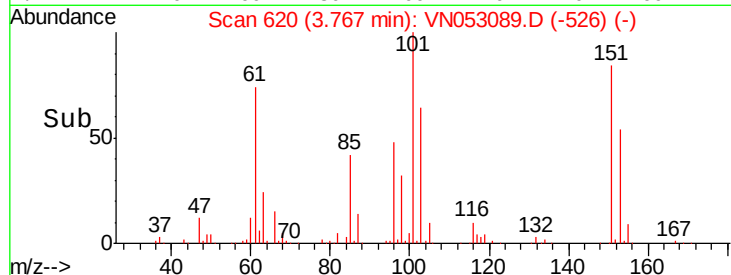
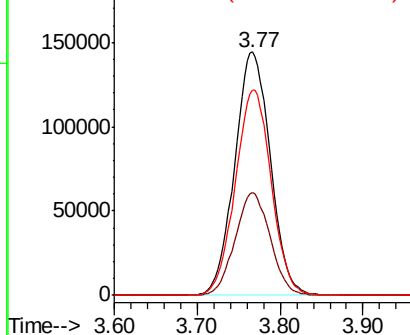
Tot Ion:	101	Resp:	432629
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.6	50.4
151	84.8	65.5	98.3

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12/21/2018 11:31:59 AM



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



#10

Methyl Iodide

Concen: 43.894 ug/l

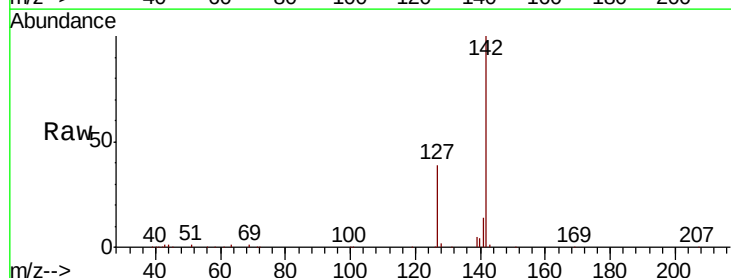
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

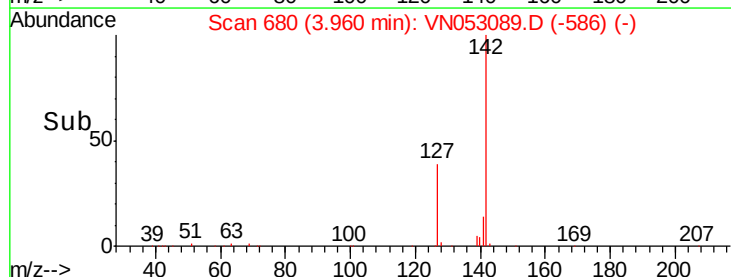
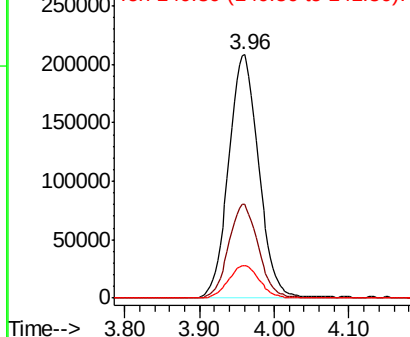
Lab File: VN053089.D

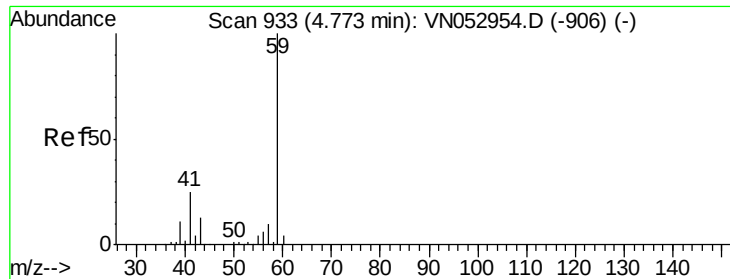
Acq: 21 Dec 2018 6:36

Tgt Ion:	142	Resp:	583741
Ion Ratio	Lower	Upper	
142	100		
127	38.0	31.0	46.6
141	13.8	11.2	16.8



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





#11

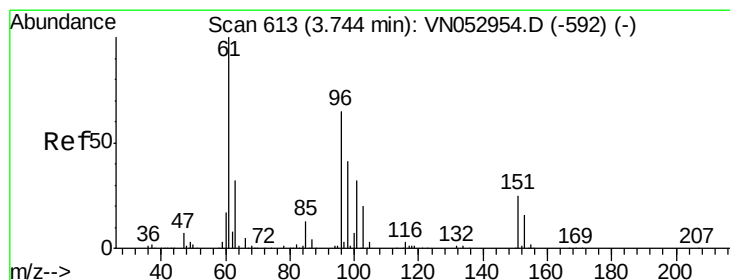
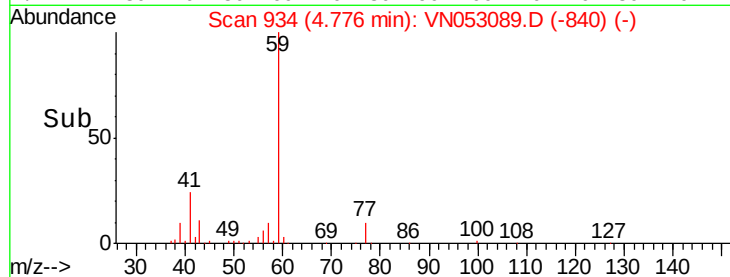
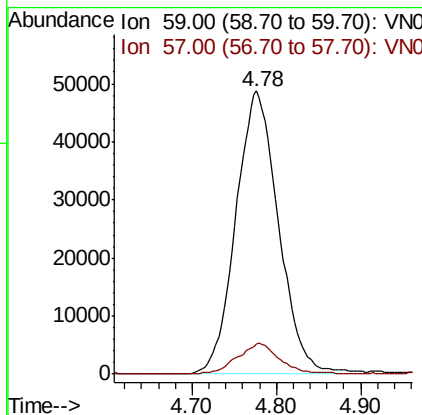
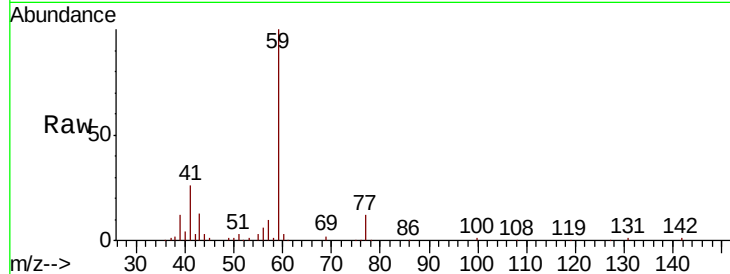
Tert butyl alcohol
Concen: 287.376 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	59	Resp	170808
Ion Ratio	100	Lower	Upper
57	10.8	7.7	11.5

Manual Integrations
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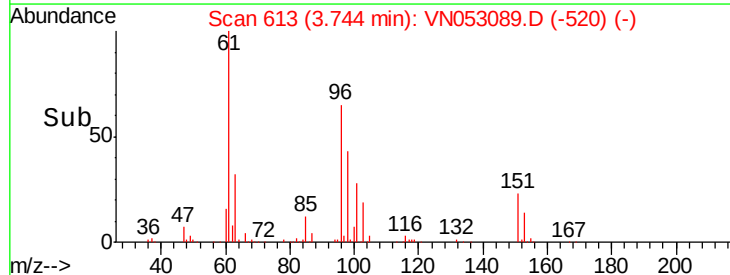
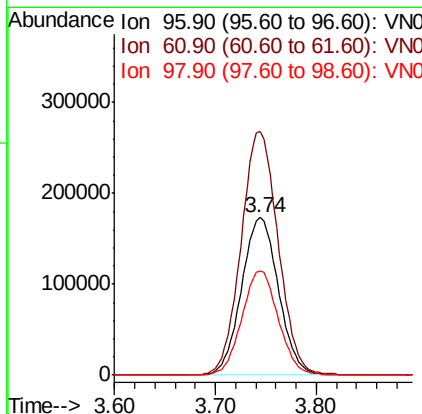
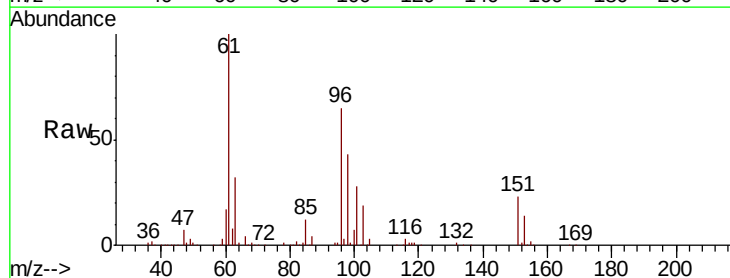
MMDadoda
12/21/2018 11:31:59 AM

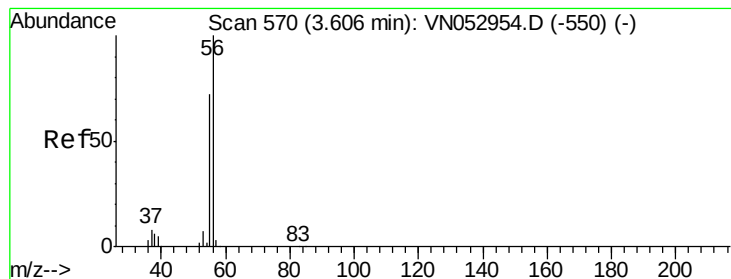


#12

1,1-Dichloroethene
Concen: 48.202 ug/l
RT: 3.74 min Scan# 613
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	96	Resp	441007
Ion Ratio	100	Lower	Upper
61	154.6	125.6	188.4
98	66.3	50.6	75.8





#13

Acrolein

Concen: 209.138 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion: 56 Resp: 112713

Ion Ratio Lower Upper

56 100

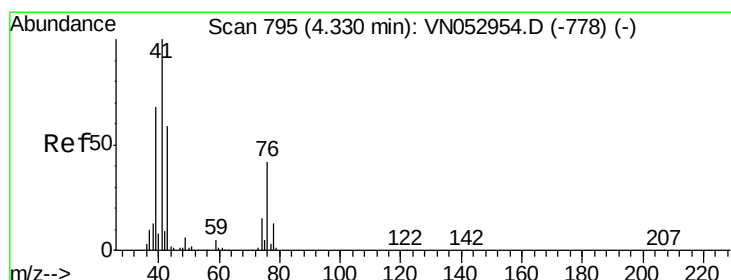
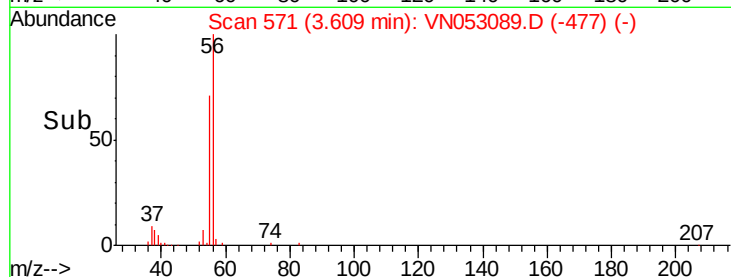
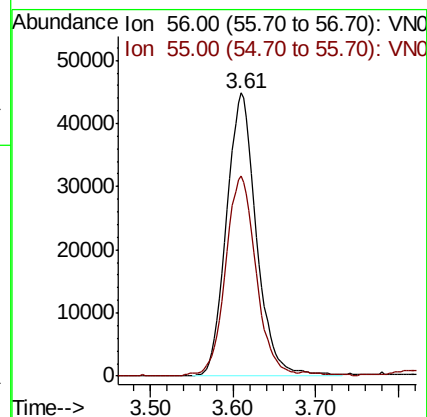
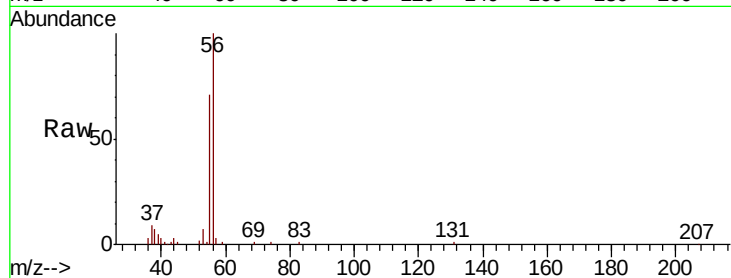
55 72.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.238 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

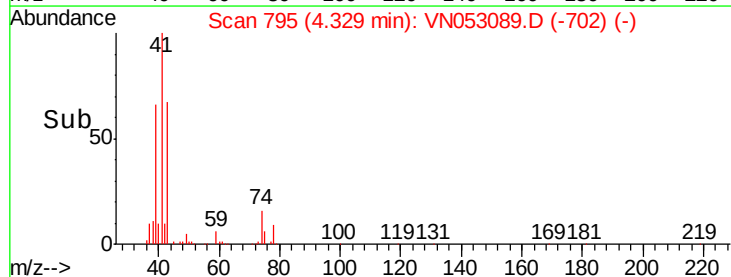
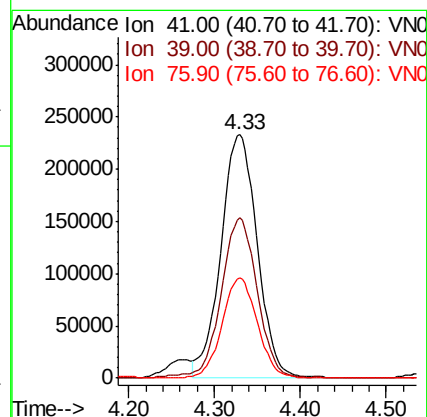
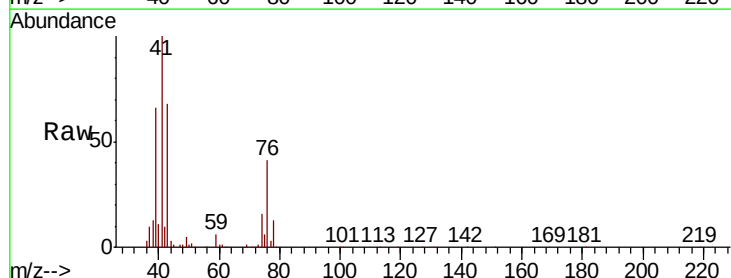
Tgt Ion: 41 Resp: 683625

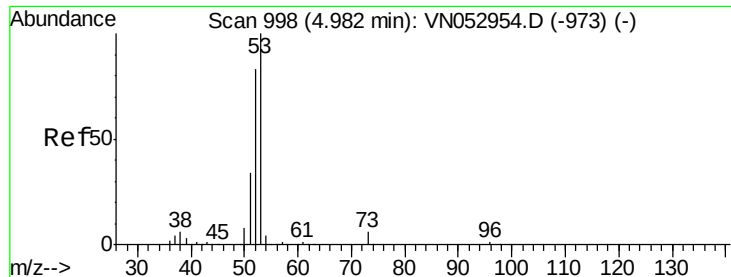
Ion Ratio Lower Upper

41 100

39 65.7 54.1 81.1

76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 265.644 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

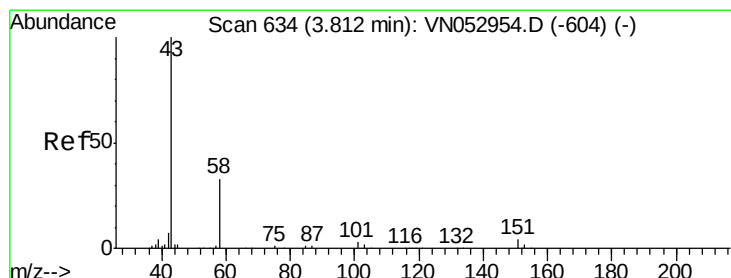
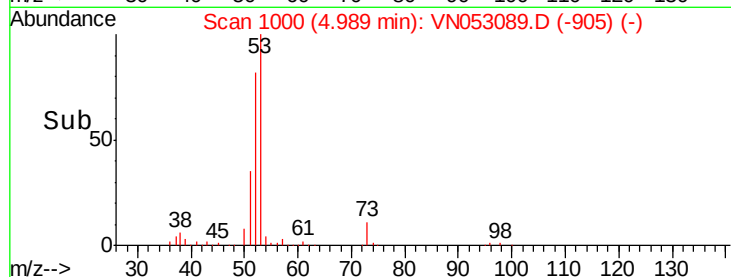
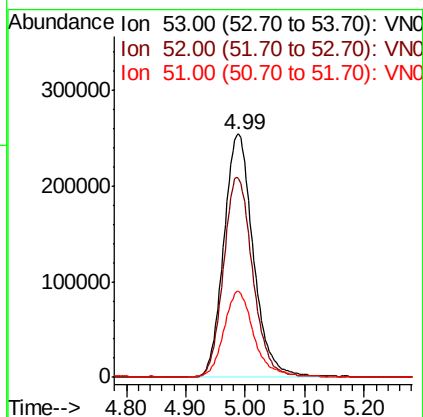
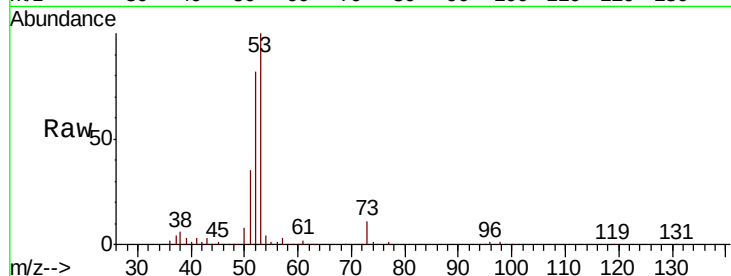
ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:	53	Resp:	877163
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.1	97.7
51	35.0	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 307.766 ug/l

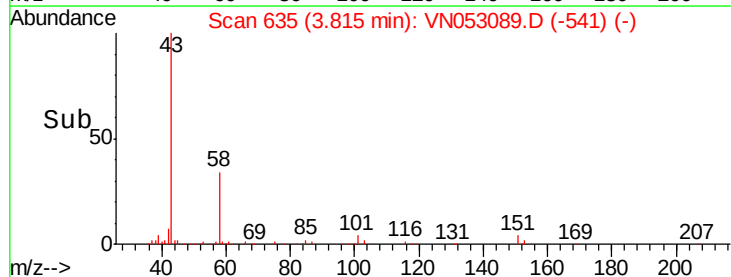
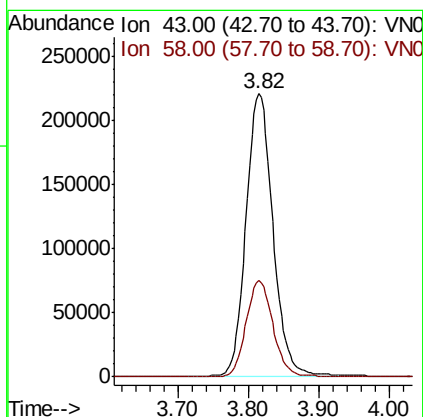
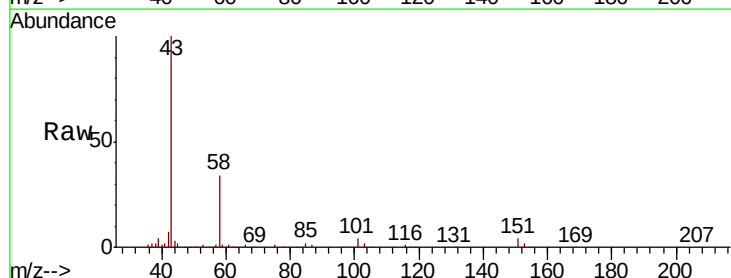
RT: 3.82 min Scan# 635

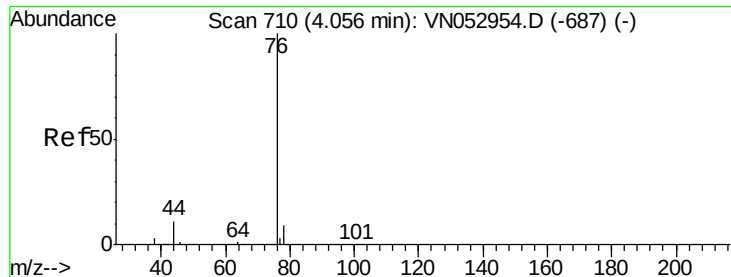
Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion:	43	Resp:	587816
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.4	38.0





#17

Carbon Disulfide

Concen: 43.513 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tot Ion: 76 Resp: 1298311

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

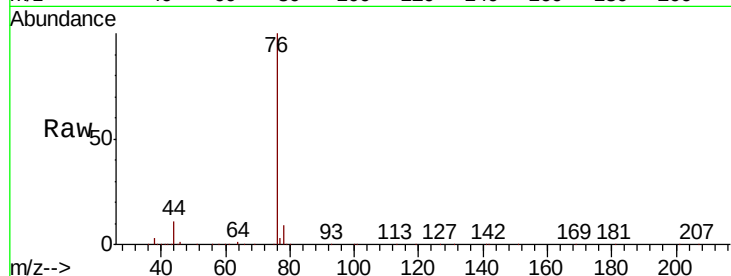
T11-MW-13-8.0-122018MSD

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

500000

400000

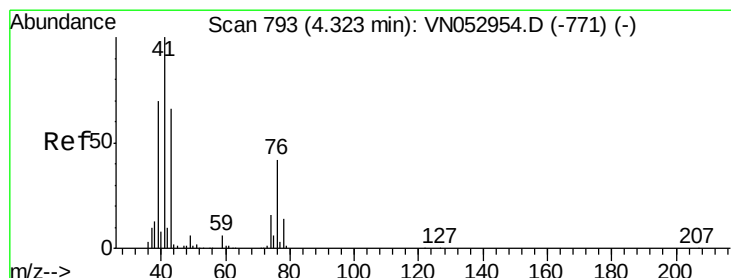
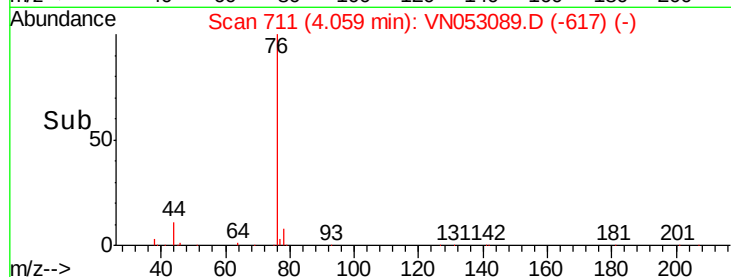
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 54.016 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053089.D

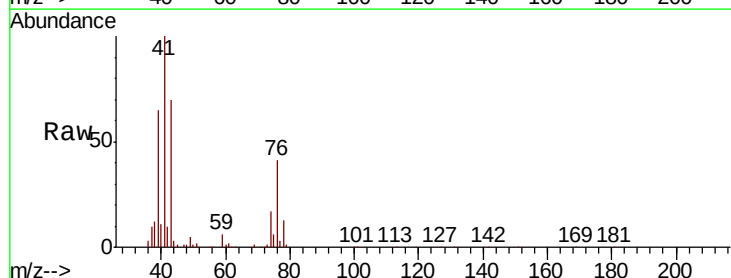
Acq: 21 Dec 2018 6:36

Tgt Ion: 43 Resp: 468953

Ion Ratio Lower Upper

43 100

74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.33

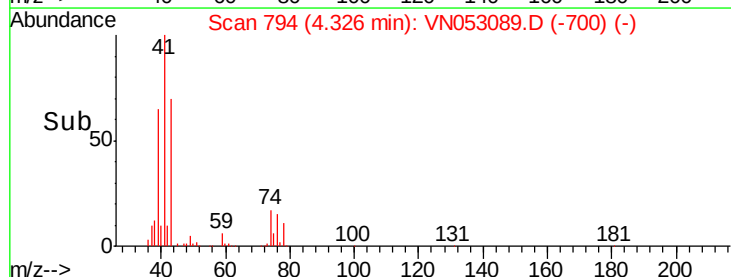
150000

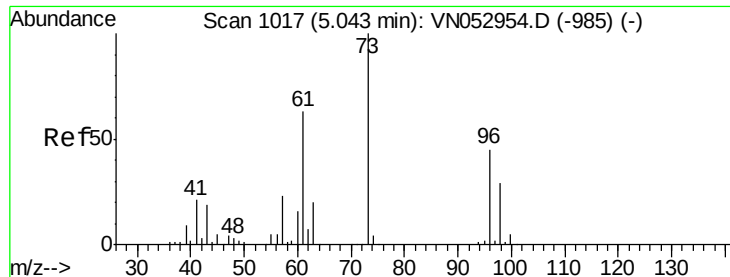
100000

50000

0

Time-->





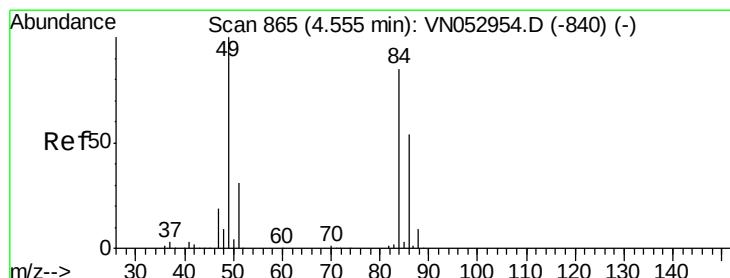
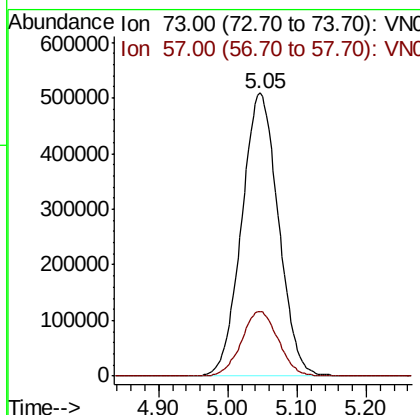
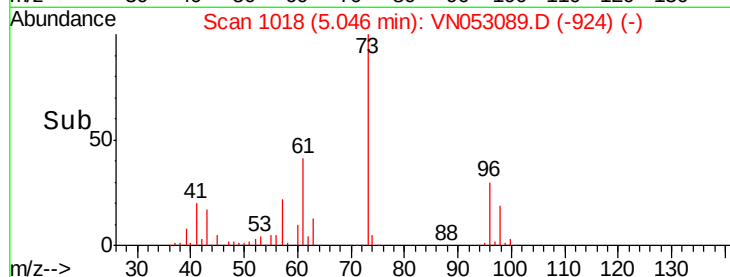
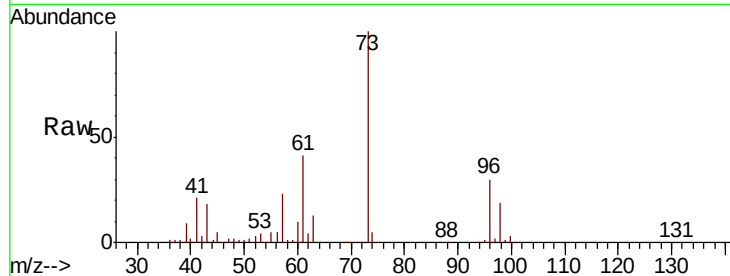
#19
Methvl tert-butyl Ether
Concen: 76.566 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 73 Resp: 1874630
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

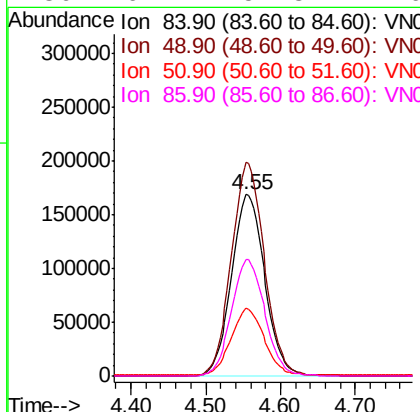
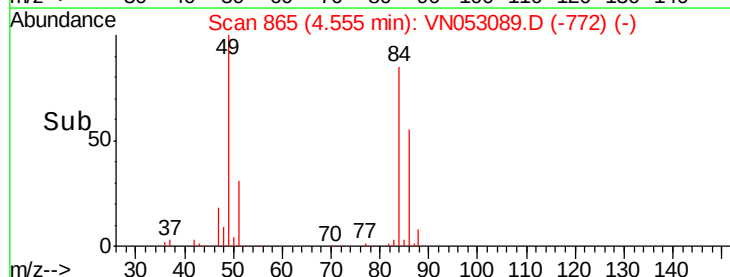
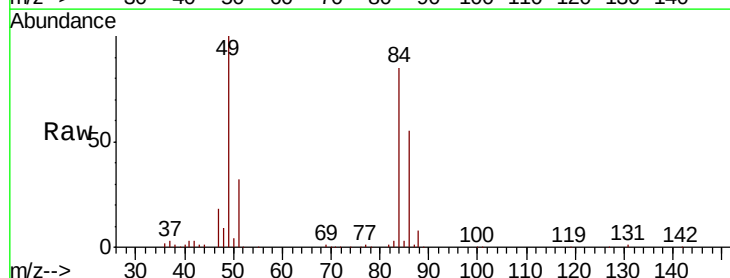
Manual Integrations
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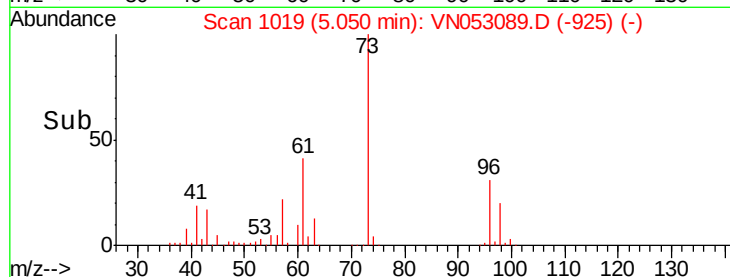
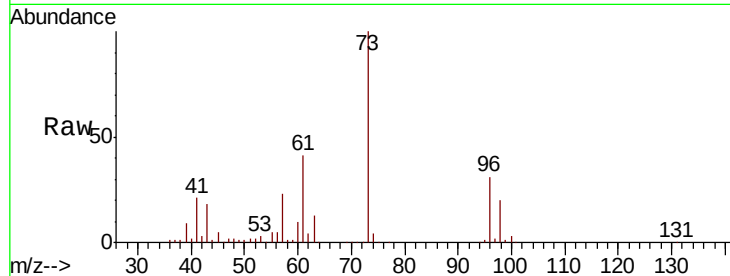
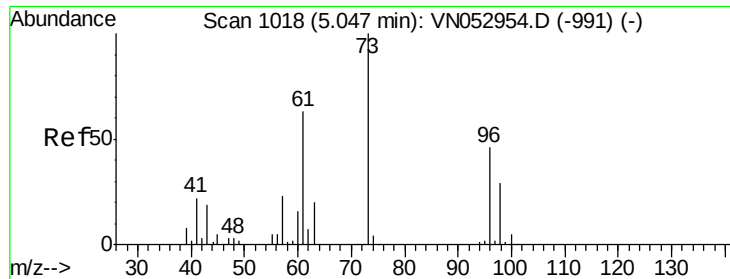
MMDadoda
12/21/2018 11:31:59 AM



#20
Methylene Chloride
Concen: 50.099 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 84 Resp: 521956
Ion Ratio Lower Upper
84 100
49 117.6 96.8 145.2
51 36.5 29.9 44.9
86 64.2 51.8 77.6





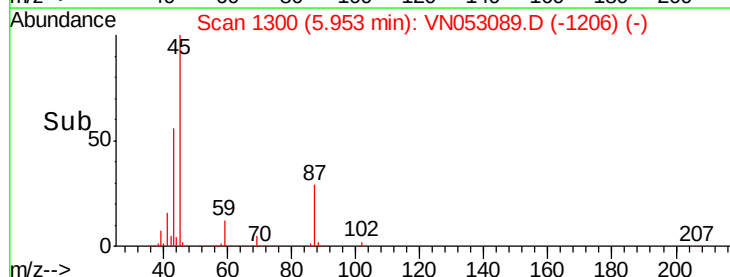
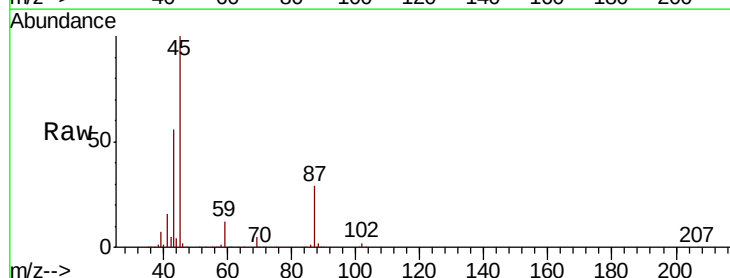
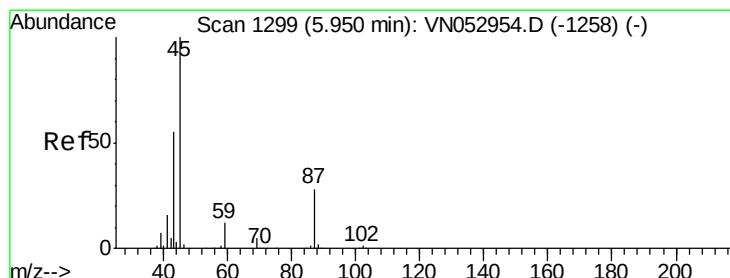
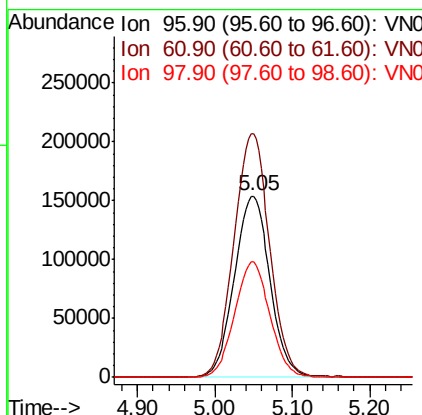
#21
trans-1,2-Dichloroethene
Concen: 50.122 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	110.8	166.2
98	63.9	51.4	77.2

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

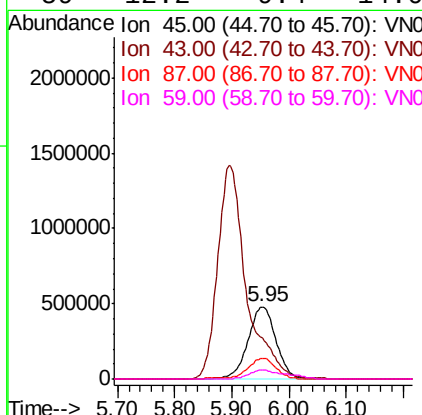
Manual Integrations
APPROVED

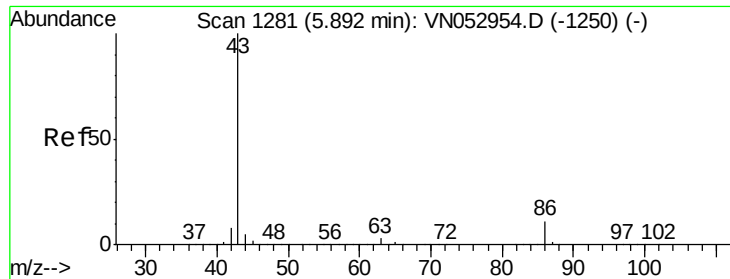
MMDadoda
12/21/2018 11:31:59 AM



#22
Diisopropyl ether
Concen: 53.444 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	45.5	68.3
87	29.2	22.0	33.0
59	12.2	9.4	14.0





#23

Vinyl Acetate

Concen: 284.590 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion: 43 Resp: 4950311

Ion Ratio Lower Upper

43 100

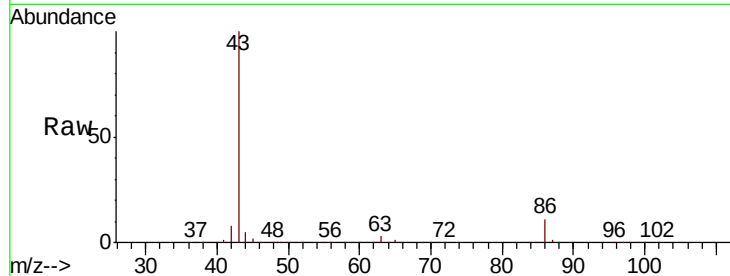
86 10.7 8.1 12.1

Manual Integrations

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MMDadoda

12/21/2018 11:31:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN052954.D (-1250) (-)

1500000

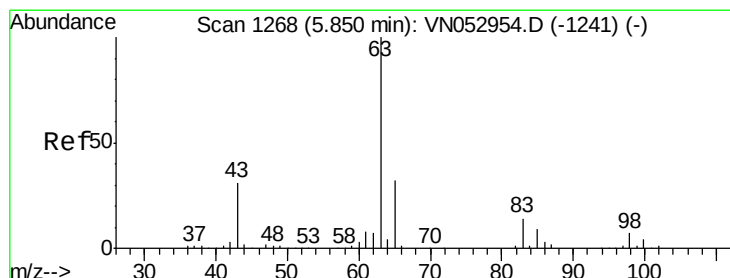
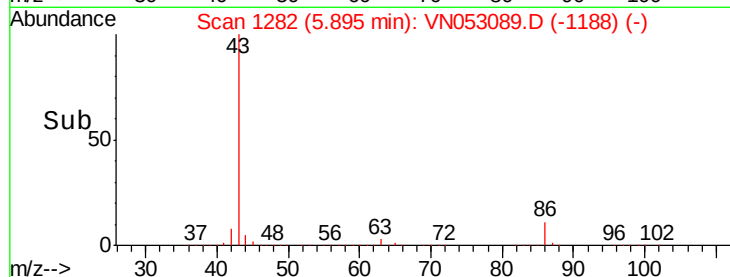
1000000

500000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.262 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

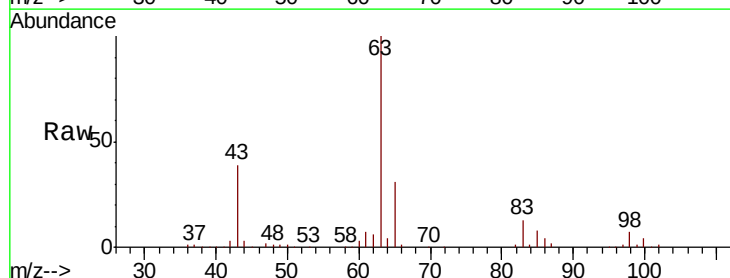
Tgt Ion: 63 Resp: 921450

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)

400000

300000

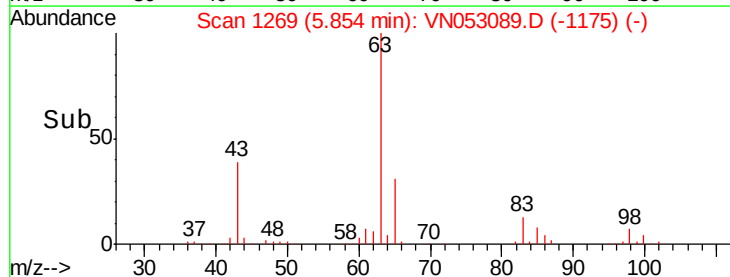
200000

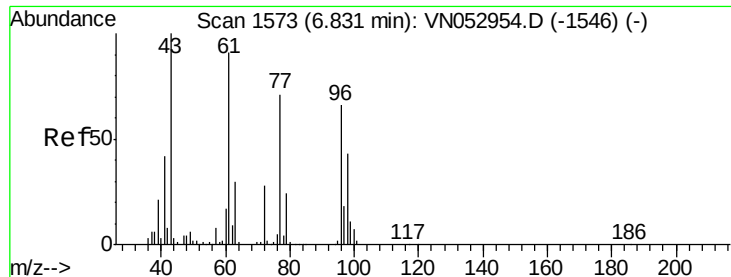
100000

0

5.70 5.80 5.90 6.00

Time-->





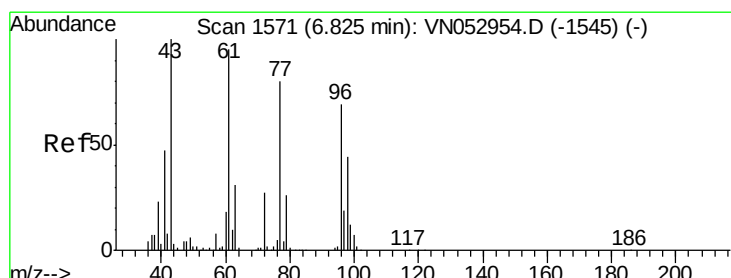
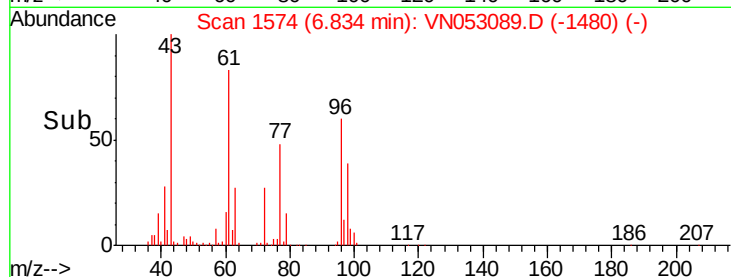
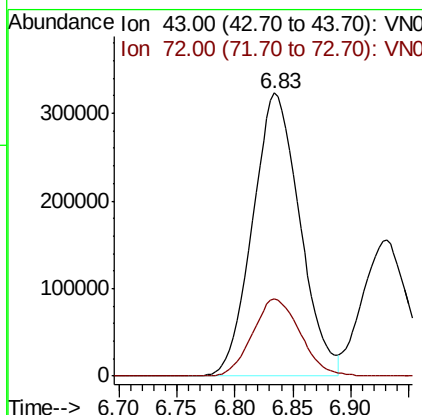
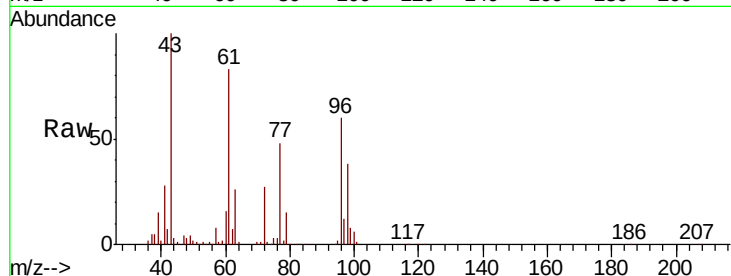
#25
2-Butanone
Concen: 284.686 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 43 Resp: 912521
Ion Ratio Lower Upper
43 100
72 27.4 21.0 31.6

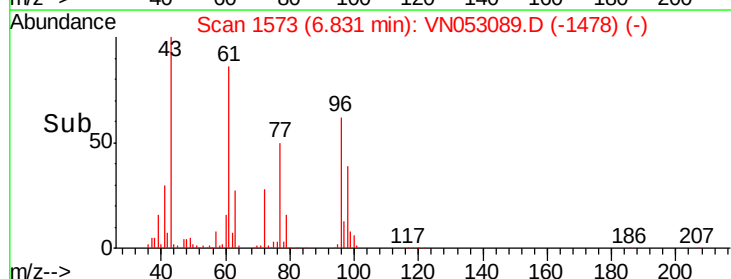
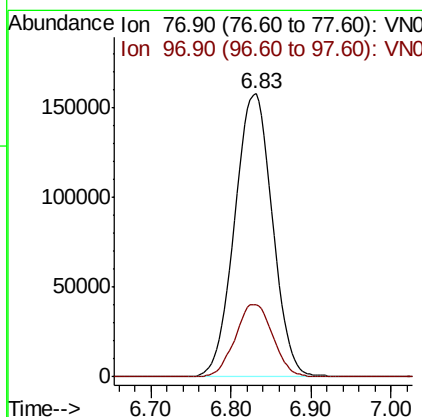
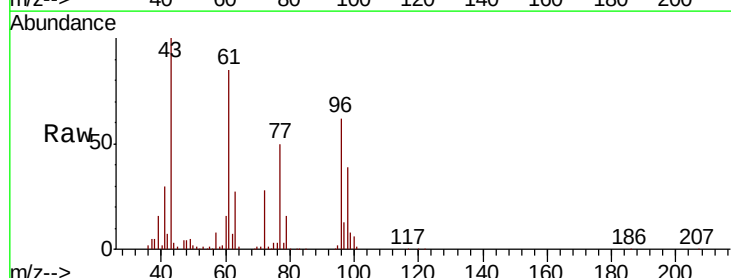
Manual Integrations
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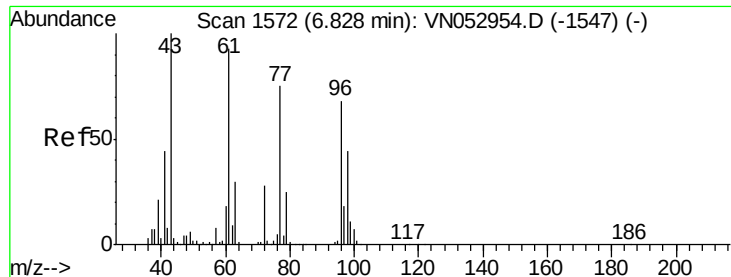
MMDadoda
12/21/2018 11:31:59 AM



#26
2,2-Dichloropropane
Concen: 36.833 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 77 Resp: 505413
Ion Ratio Lower Upper
77 100
97 25.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.893 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

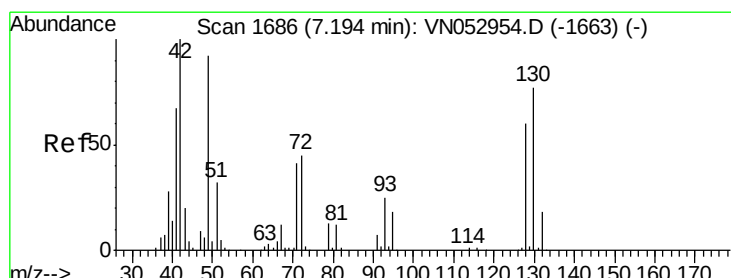
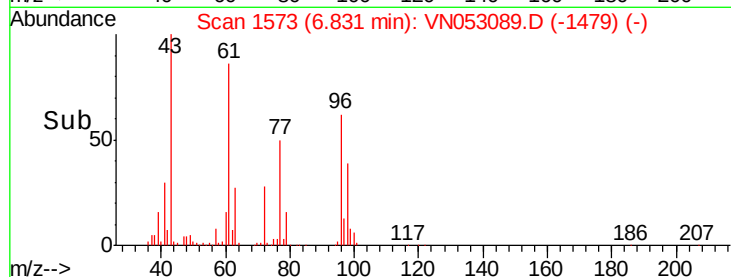
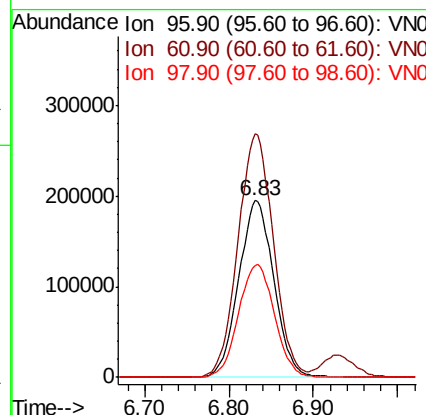
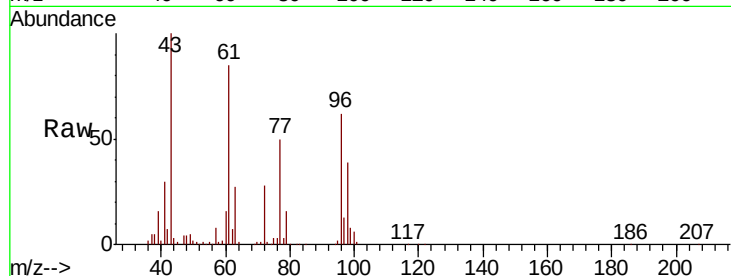
ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:	96	Resp:	566369
Ion Ratio	Lower	Upper	
96	100		
61	138.7	0.0	284.2
98	65.1	0.0	129.2

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#28

Bromochloromethane

Concen: 53.260 ug/l

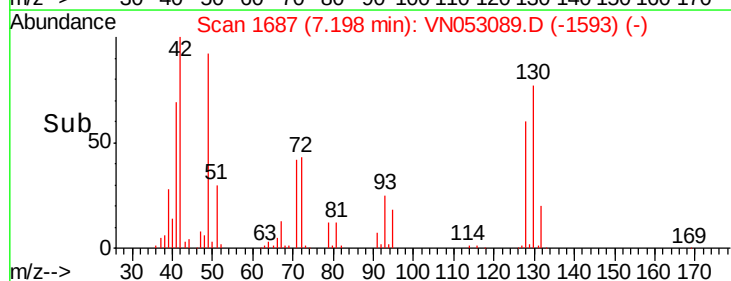
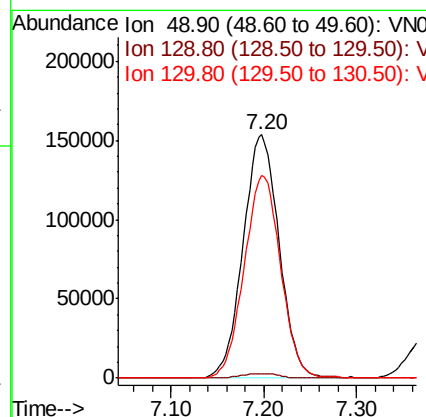
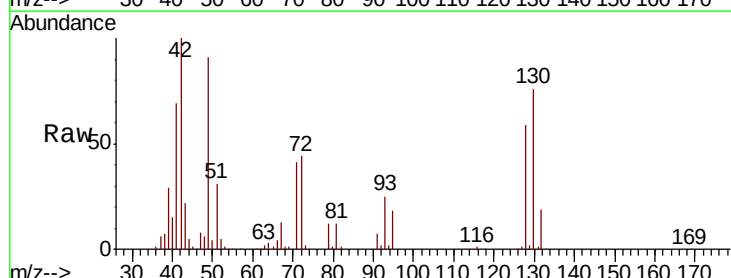
RT: 7.20 min Scan# 1687

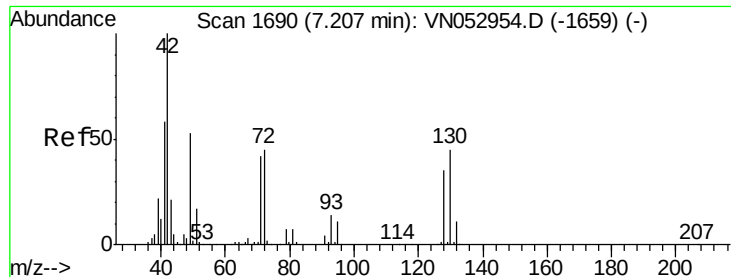
Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion:	49	Resp:	414845
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	84.4	63.3	94.9





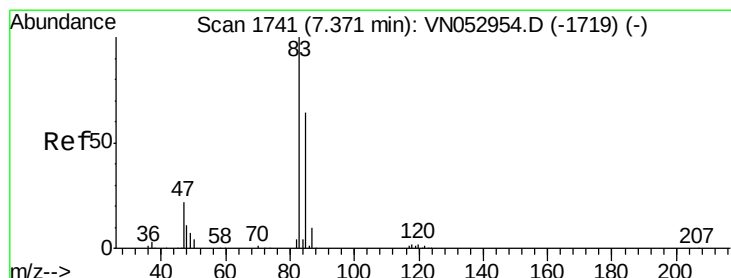
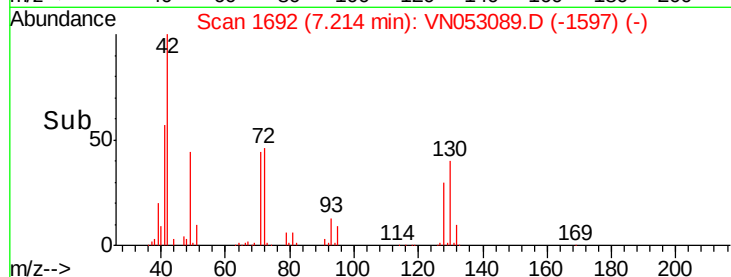
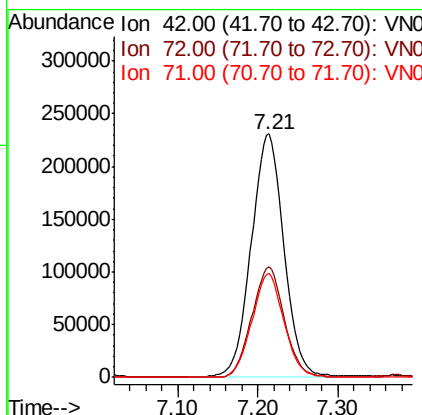
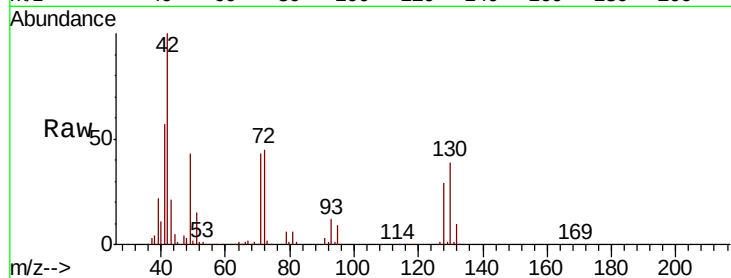
#29
Tetrahydrofuran
Concen: 269.244 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.7	52.1
71	42.0	32.3	48.5

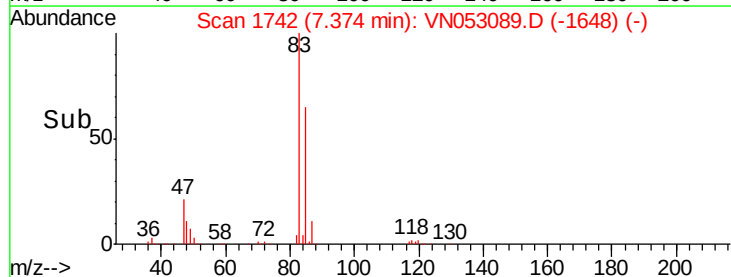
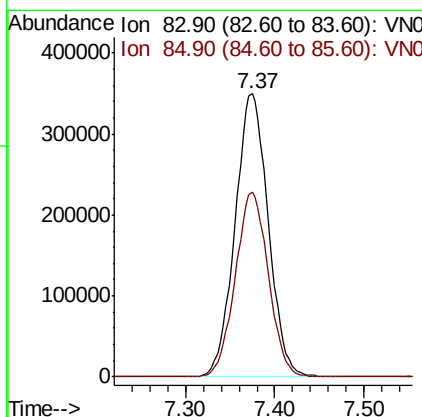
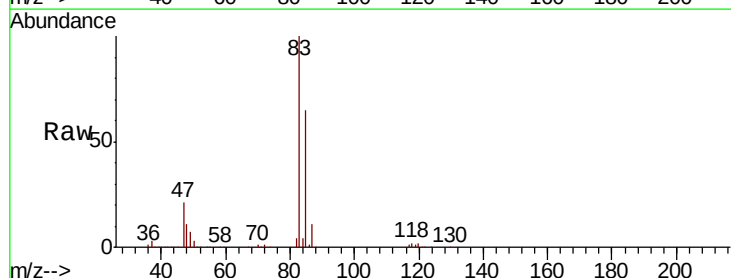
Manual Integrations
APPROVED

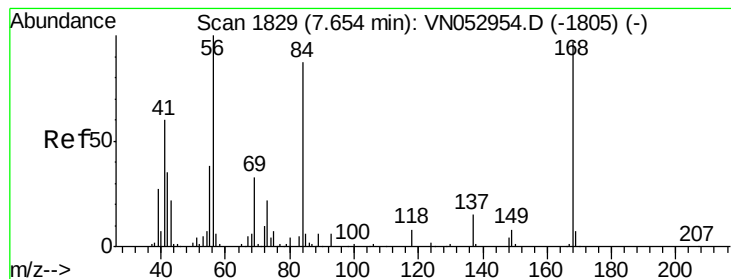
MMDadoda
12/21/2018 11:31:59 AM



#30
Chloroform
Concen: 51.174 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 48.253 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

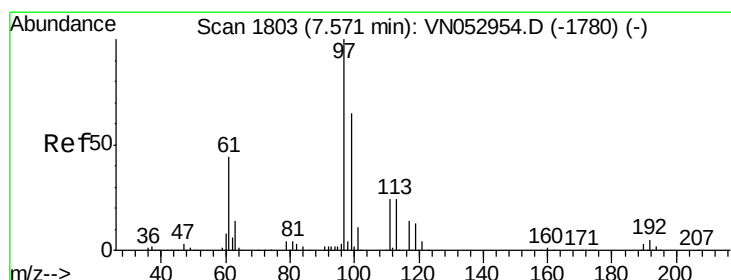
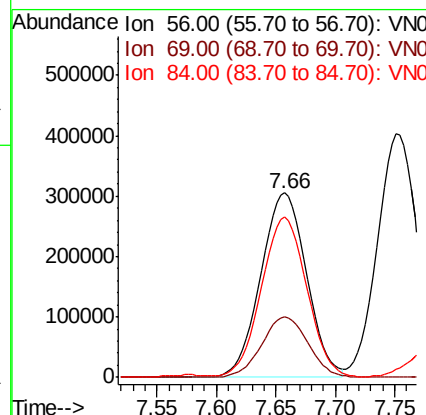
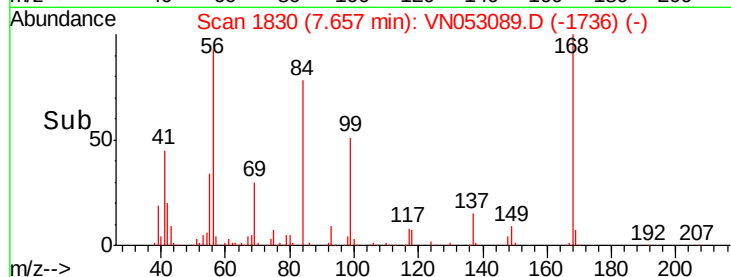
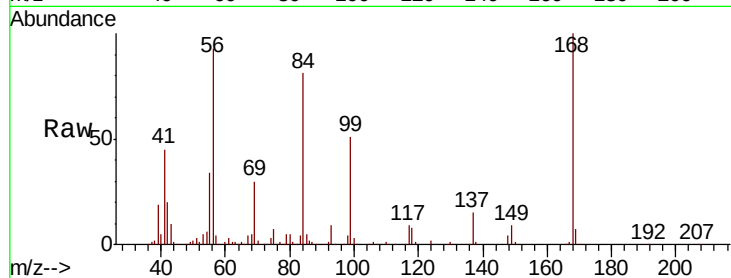
ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:	56	Resp:	814106
Ion Ratio	Lower	Upper	
56	100		
69	32.5	26.6	39.8
84	85.6	68.4	102.6

Manual Integrations
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12/21/2018 11:31:59 AM



#32

1,1,1-Trichloroethane

Concen: 49.197 ug/l

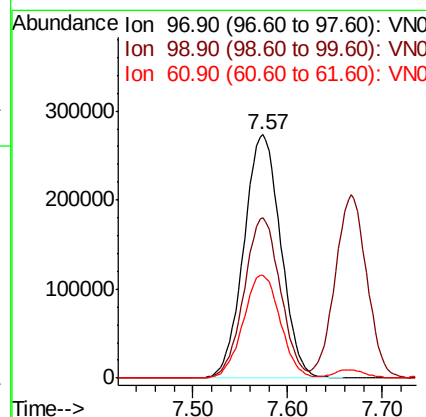
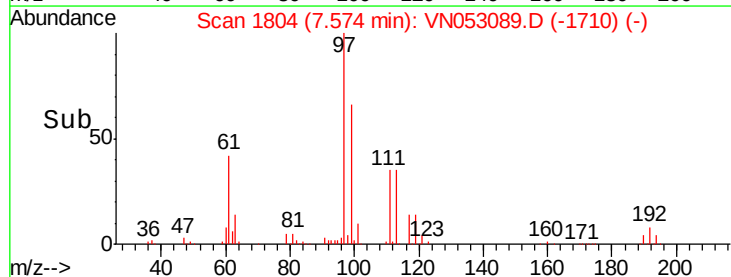
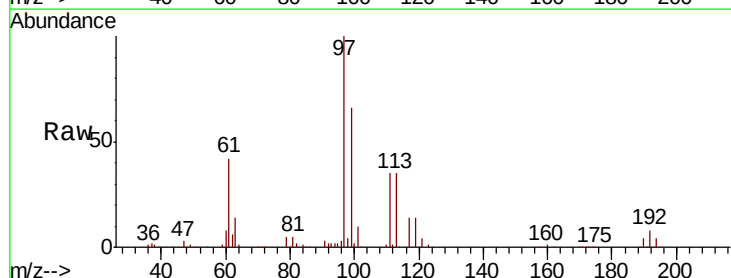
RT: 7.57 min Scan# 1804

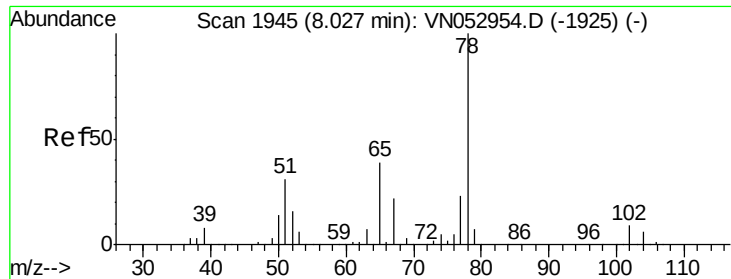
Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion:	97	Resp:	740046
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.1	76.7
61	42.6	35.0	52.6





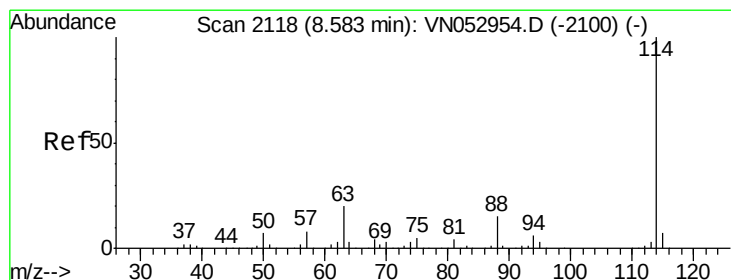
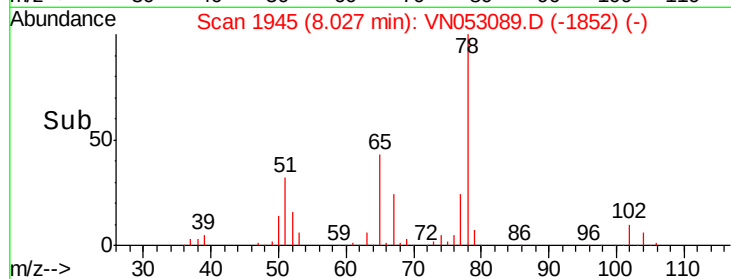
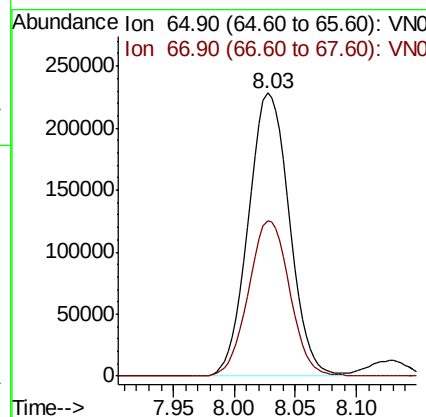
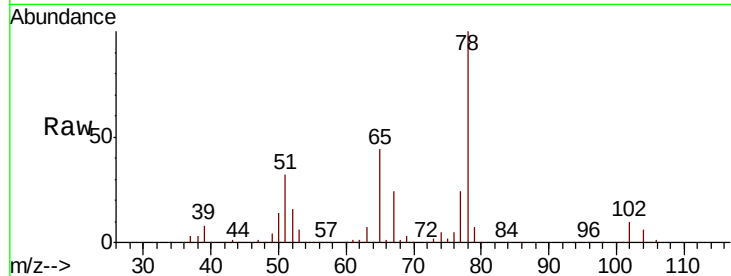
#33
 1,2-Dichloroethane-d4
 Concen: 49.197 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0	110.4	

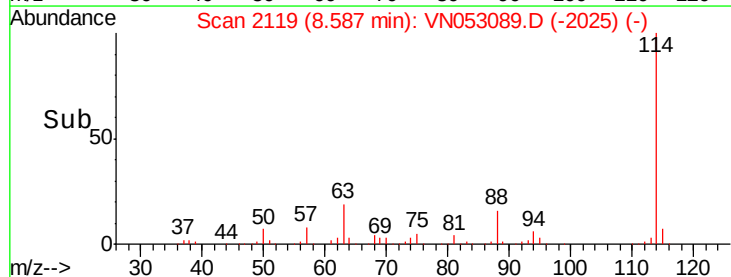
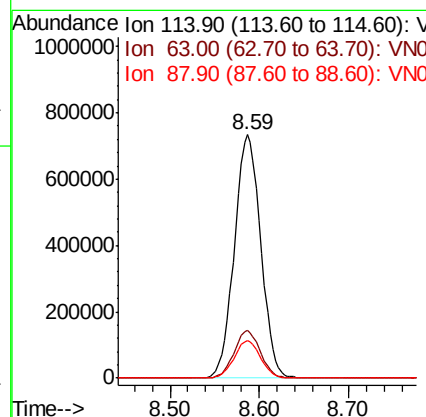
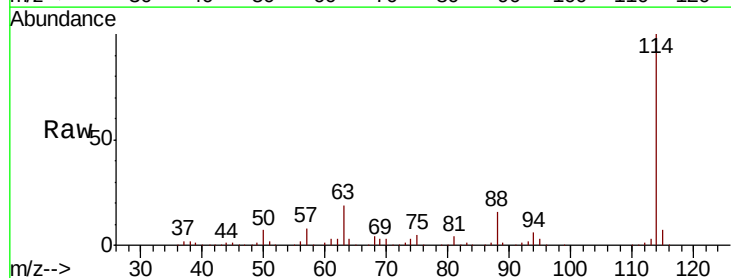
Manual Integrations
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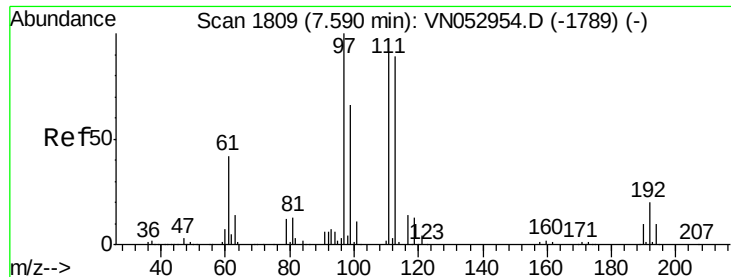
MMDadoda
 12/21/2018 11:31:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	39.8	
88	15.5	0.0	31.0	





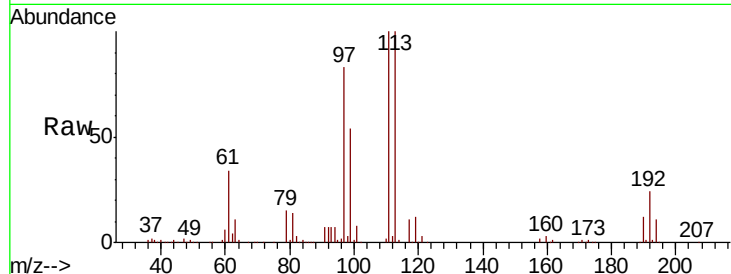
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	451745		
111	101.4	83.0	124.4	
192	23.4	17.5	26.3	

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12/21/2018 11:31:59 AM

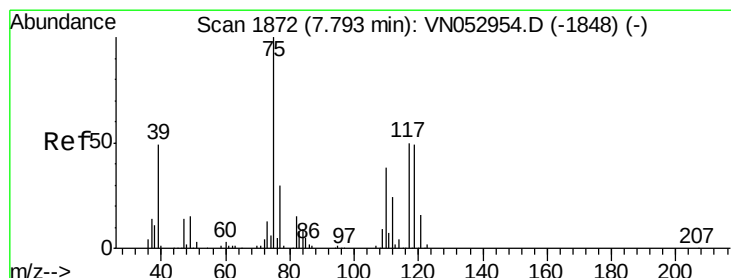
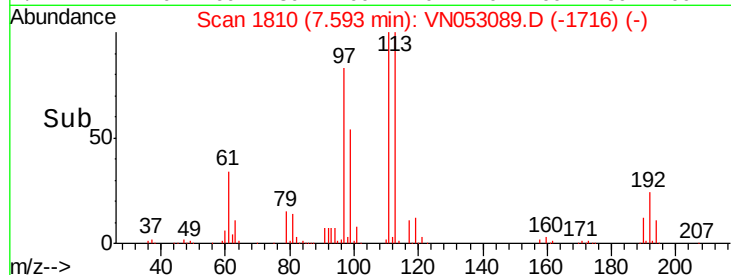
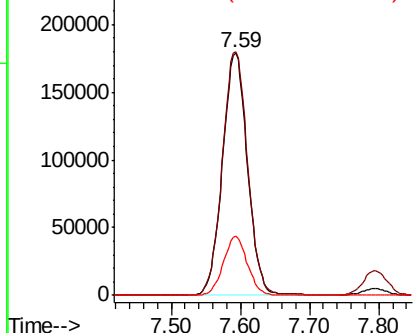


Abundance

Ion 112.80 (112.50 to 113.50): V

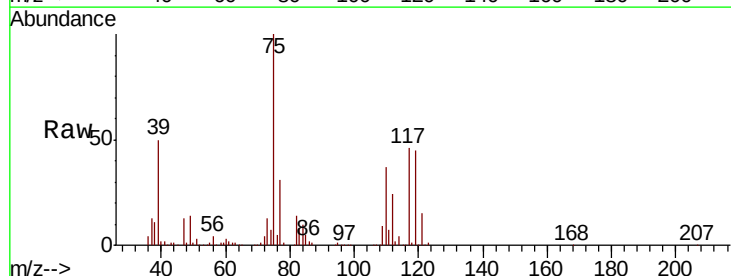
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 47.181 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	681436		
110	36.6	18.2	54.6	
77	31.4	24.9	37.3	

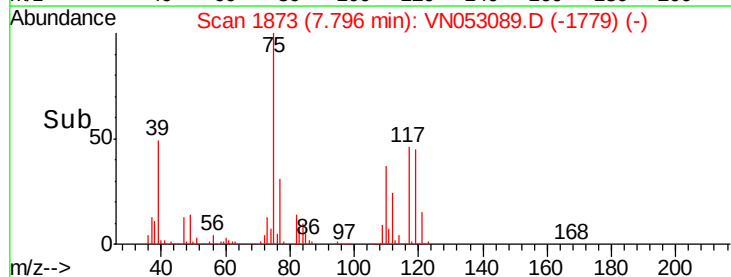
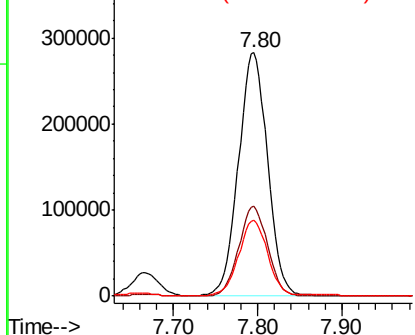


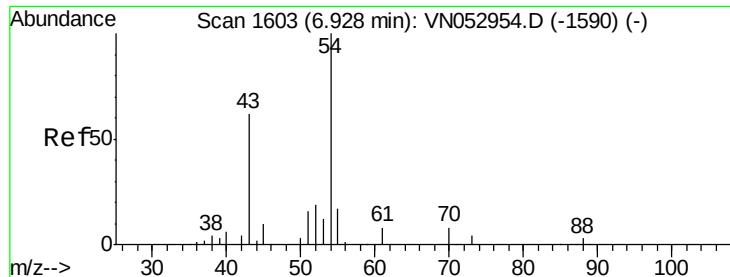
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





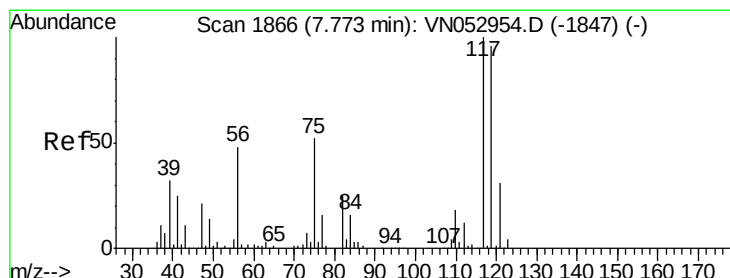
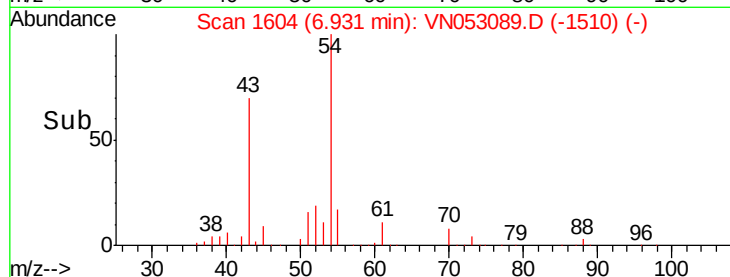
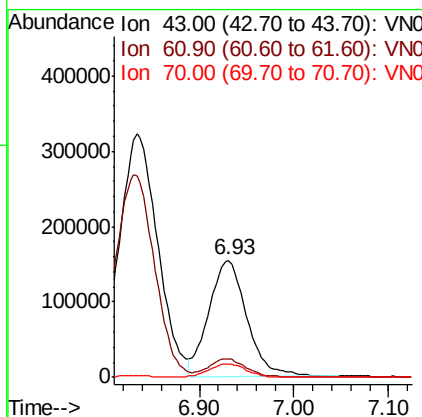
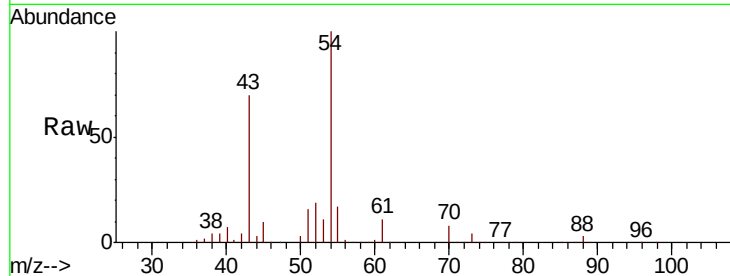
#37
Ethyl Acetate
Concen: 53.624 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	11.2	8.4	12.6

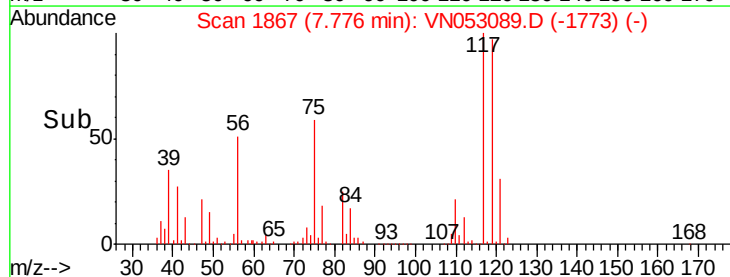
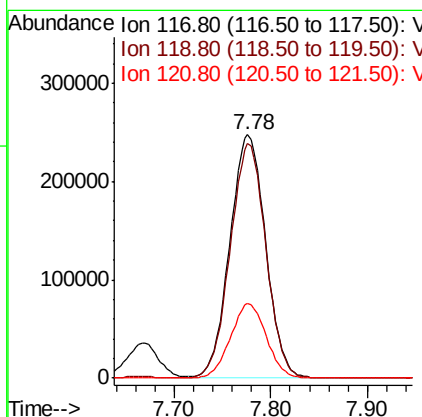
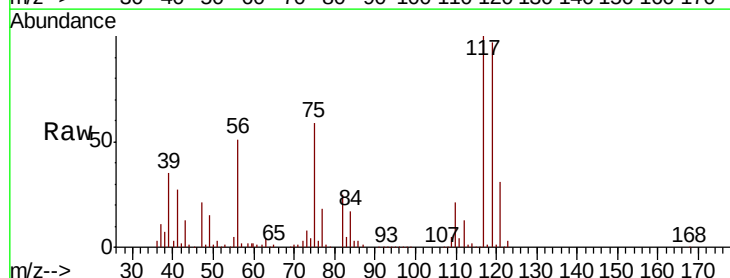
Manual Integrations
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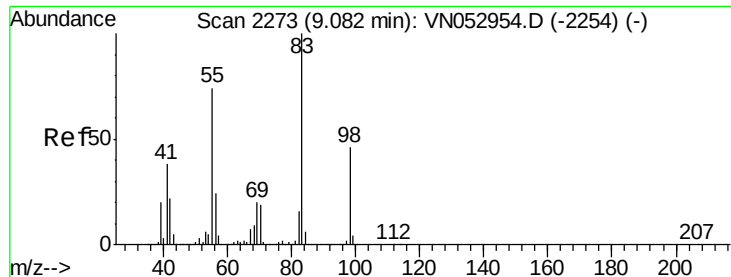
MMDadoda
12/21/2018 11:31:59 AM



#38
Carbon Tetrachloride
Concen: 47.892 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.1	115.7
121	30.6	24.9	37.3





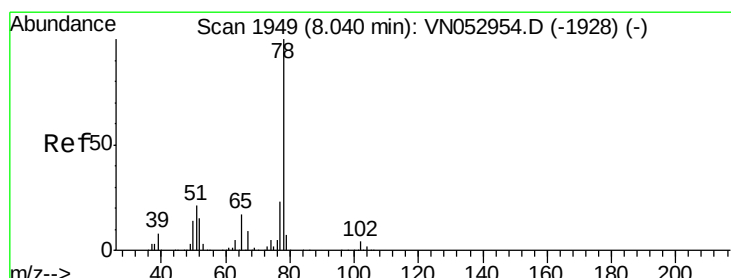
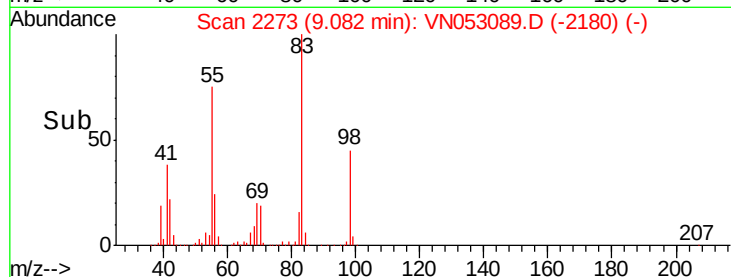
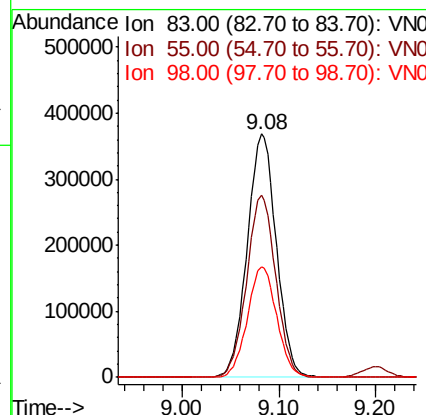
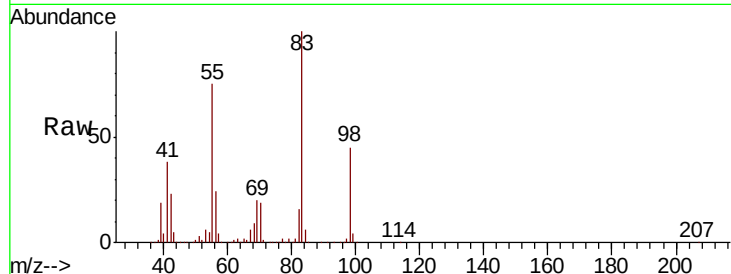
#39
Methylvlcyclohexane
Concen: 43.872 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	61.3	91.9
98	45.3	37.0	55.4

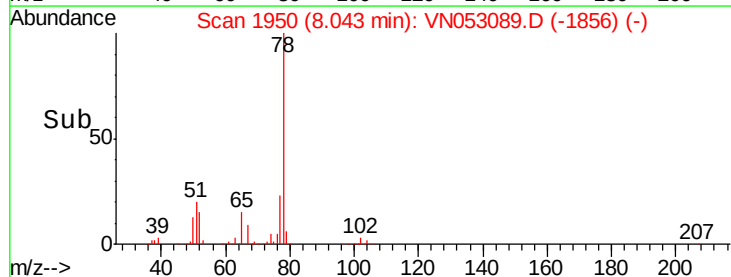
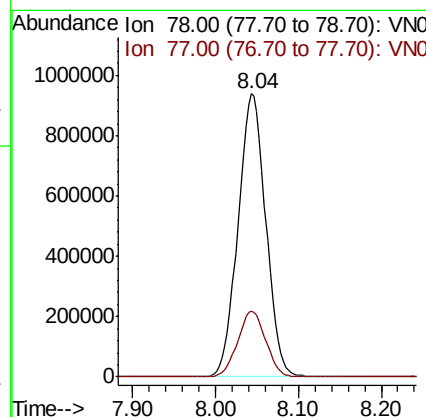
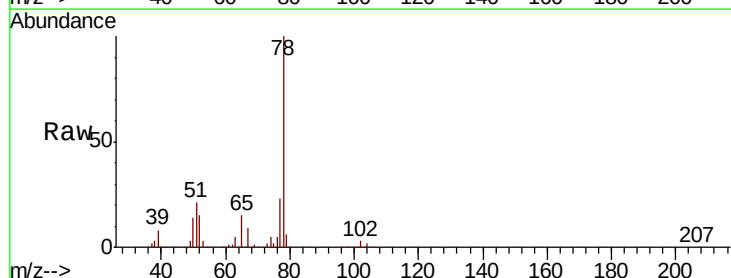
Manual Integrations
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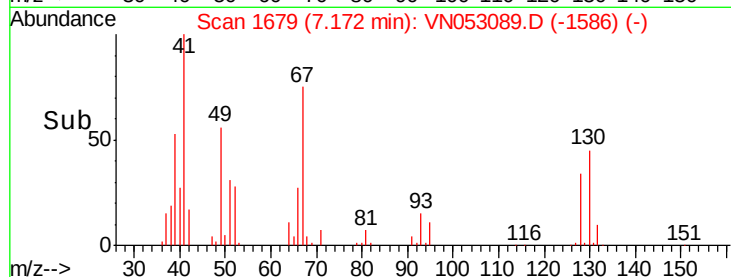
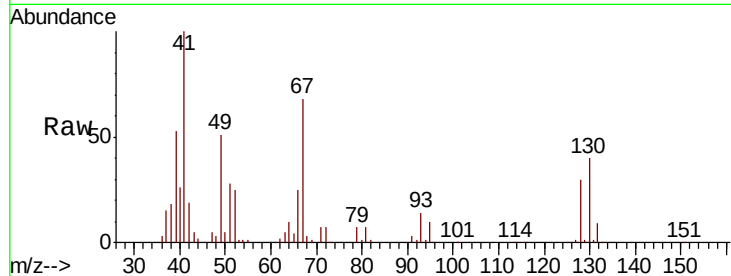
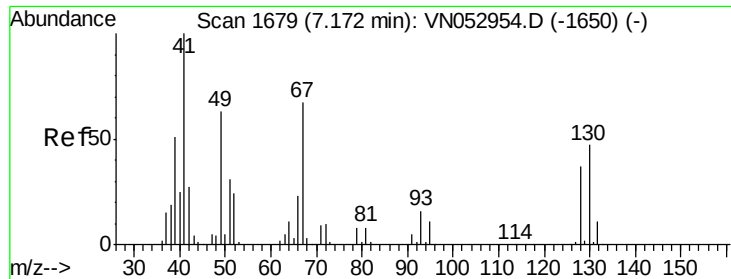
MMDadoda
12/21/2018 11:31:59 AM



#40
Benzene
Concen: 50.981 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





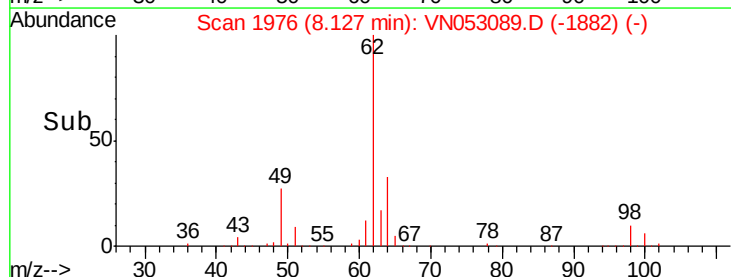
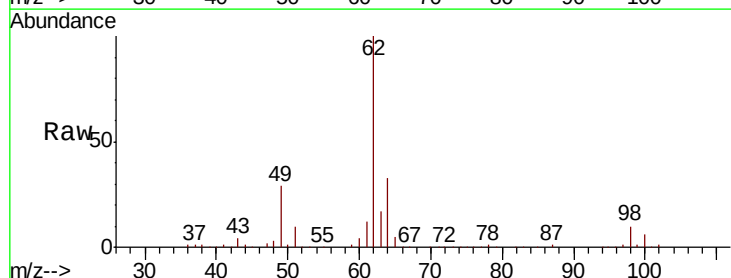
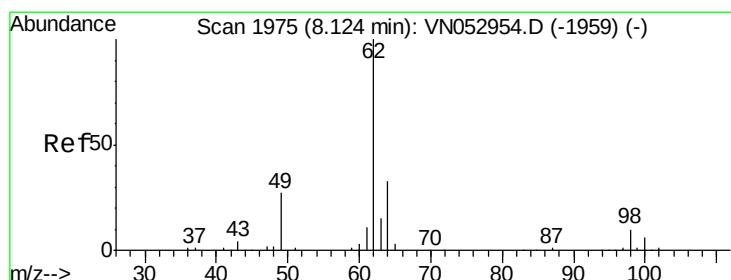
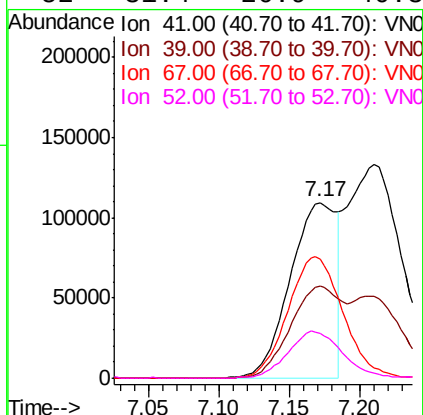
#41
Methacrylonitrile
Concen: 53.874 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.3	48.0	72.0
67	82.2	70.3	105.5
52	31.4	26.9	40.3

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

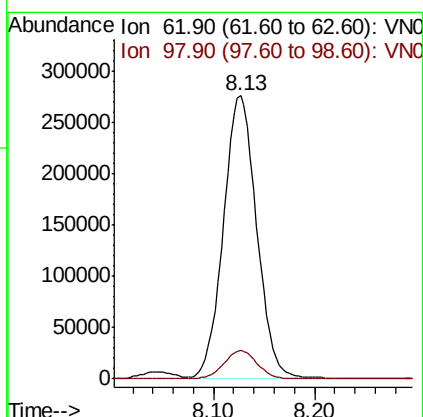
Manual Integrations
APPROVED

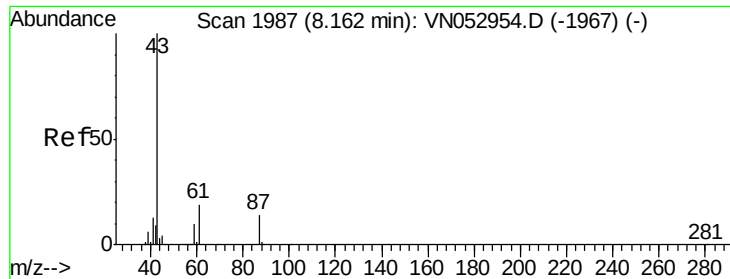
MMDadoda
12/21/2018 11:31:59 AM



#42
1,2-Dichloroethane
Concen: 49.859 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.0





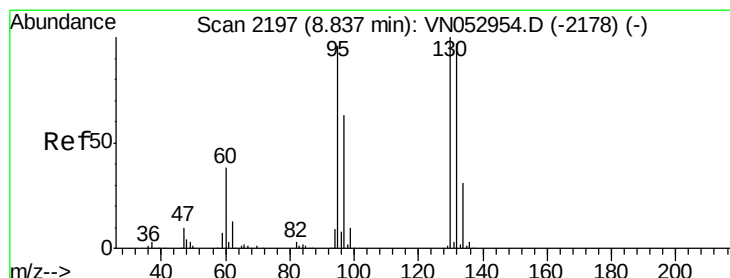
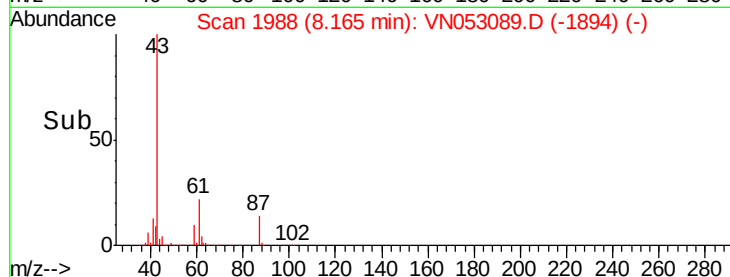
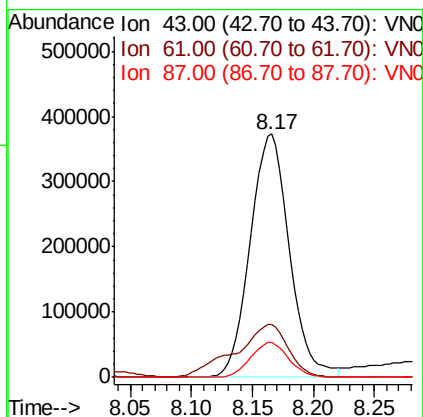
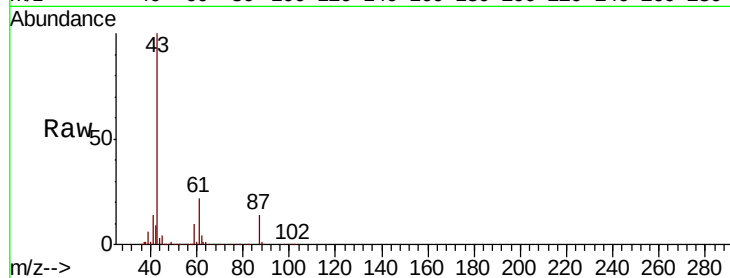
#43
Isopropyl Acetate
Concen: 53.103 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.9	34.3
87	14.0	10.6	15.8

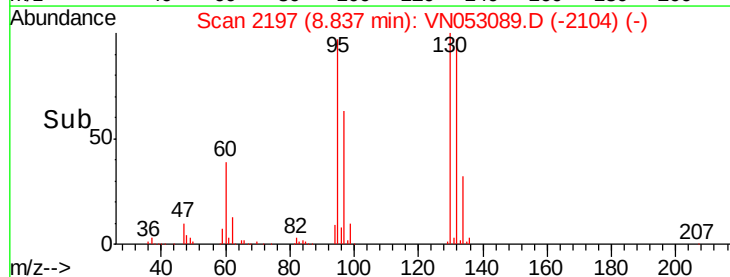
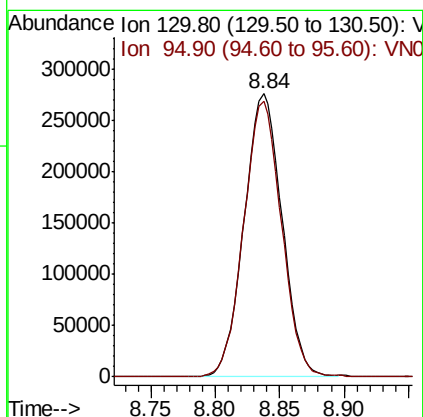
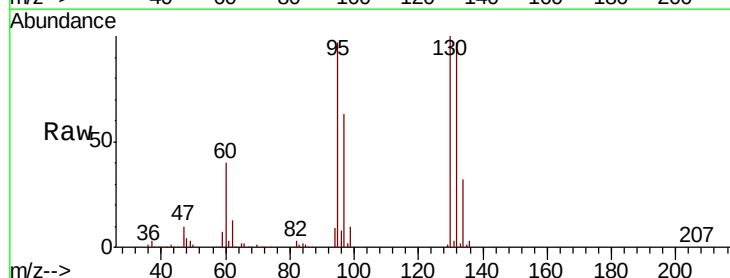
Manual Integrations
APPROVED

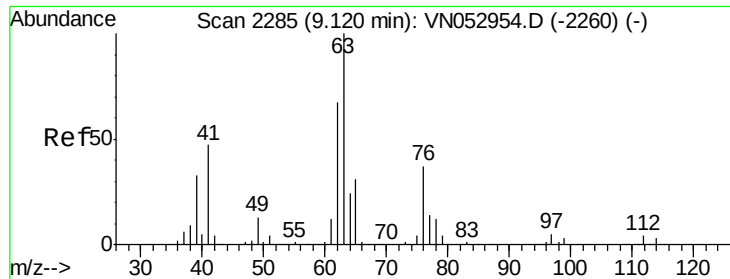
MMDadoda
12/21/2018 11:31:59 AM



#44
Trichloroethene
Concen: 45.691 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	197.8





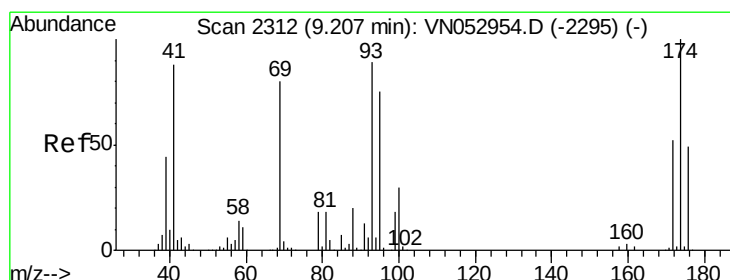
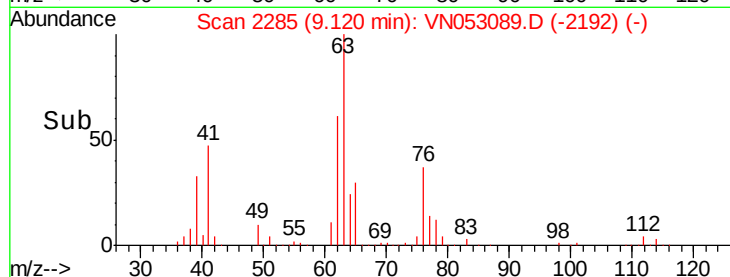
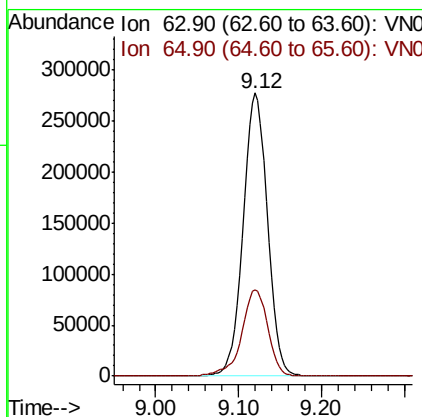
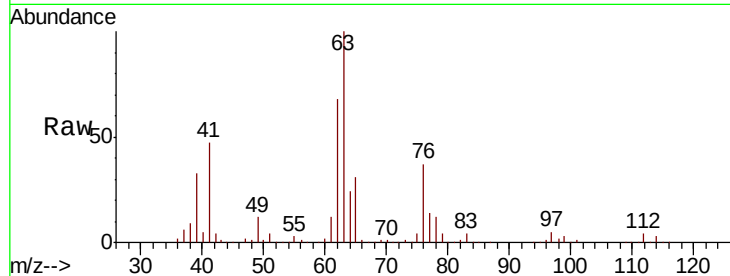
#45
 1,2-Dichloropropane
 Concen: 50.539 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion: 63 Resp: 565529
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0

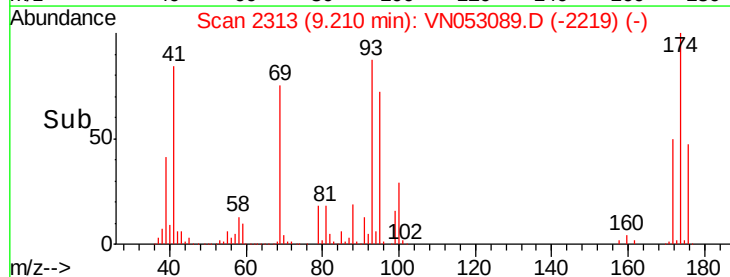
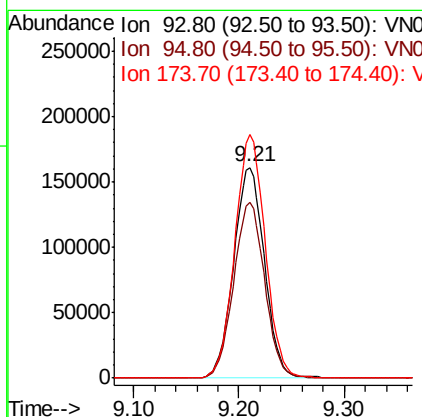
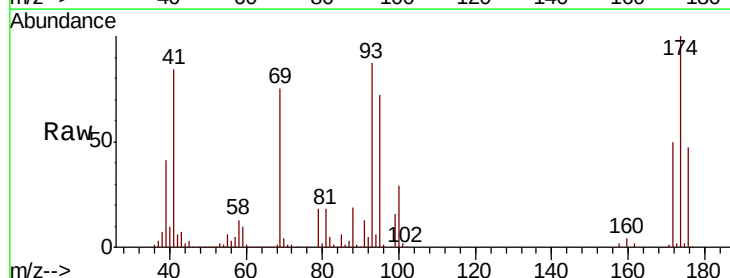
Manual Integrations
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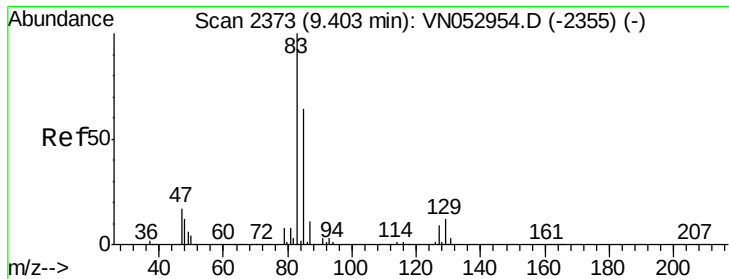
MMDadoda
 12/21/2018 11:31:59 AM



#46
 Dibromomethane
 Concen: 50.073 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 93 Resp: 326406
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.8 101.6
 174 114.3 89.0 133.4





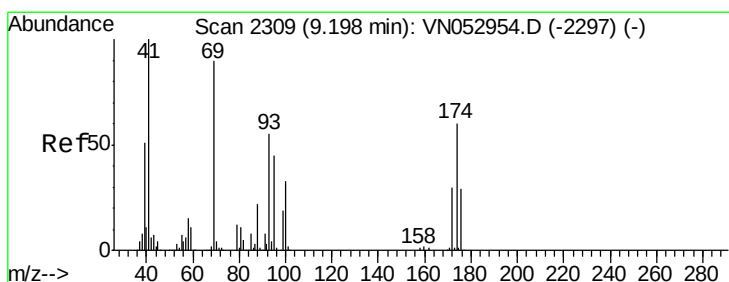
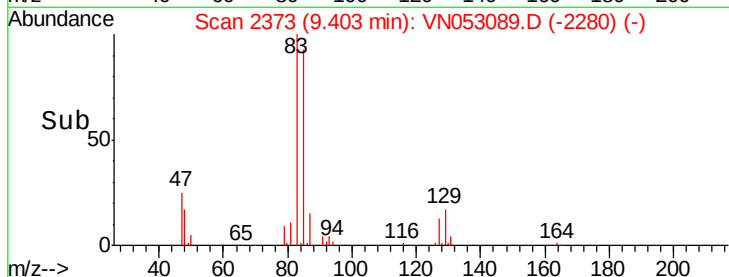
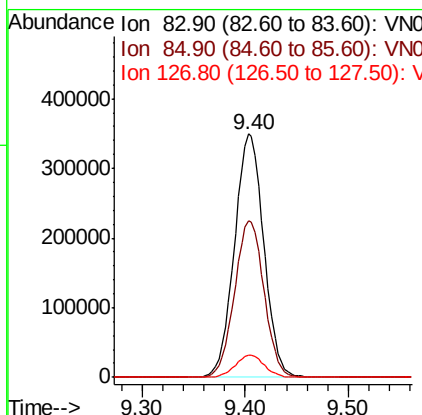
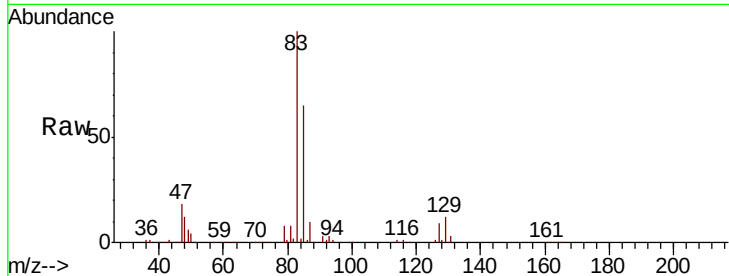
#47
Bromodichloromethane
Concen: 49.906 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	691518		
85	64.5	51.6	77.4	
127	8.9	7.1	10.7	

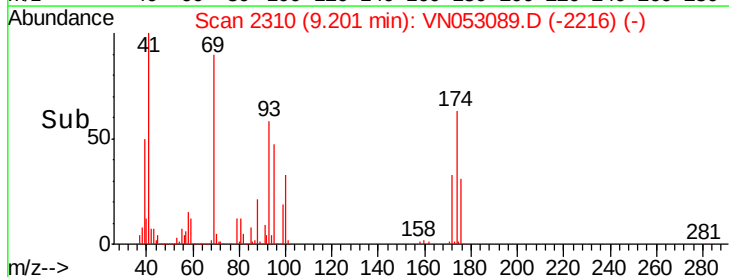
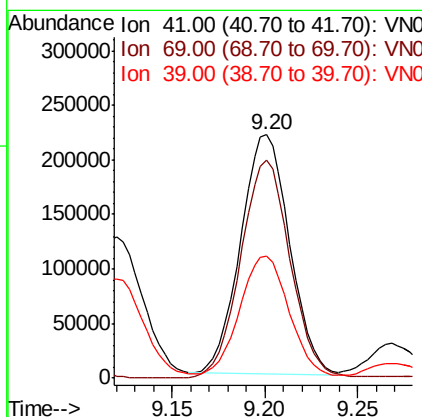
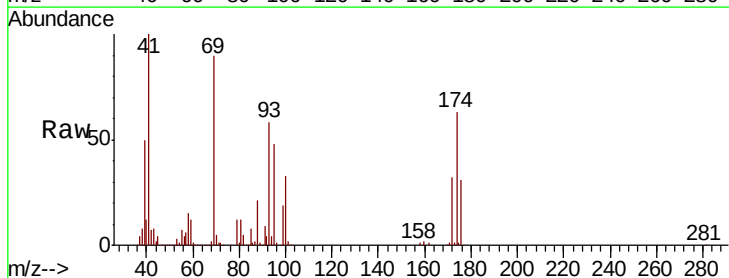
Manual Integrations
APPROVED

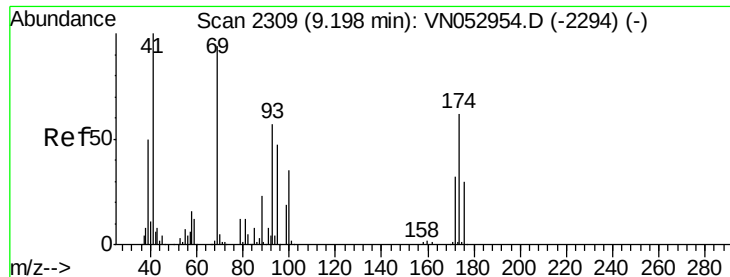
MMDadoda
12/21/2018 11:31:59 AM



#48
Methyl methacrylate
Concen: 51.589 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	403629		
69	92.1	72.2	108.2	
39	52.2	41.9	62.9	





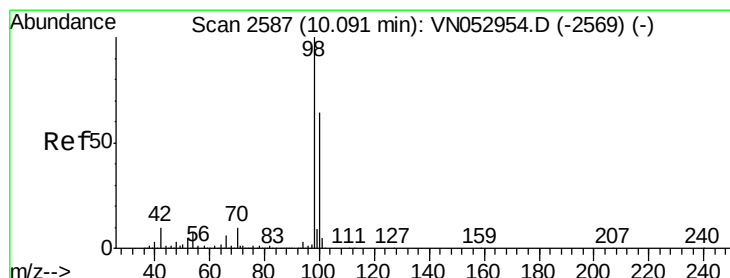
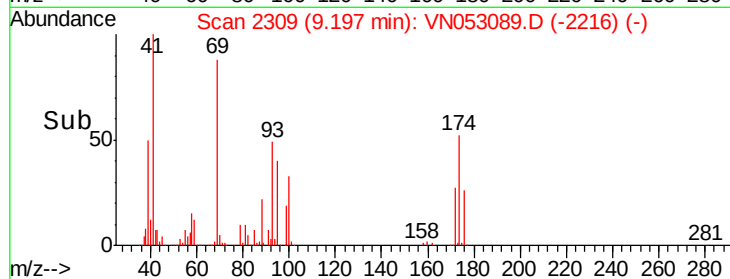
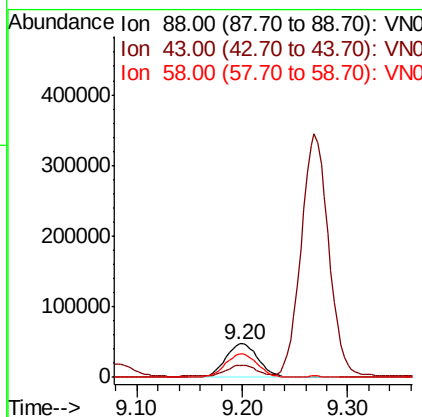
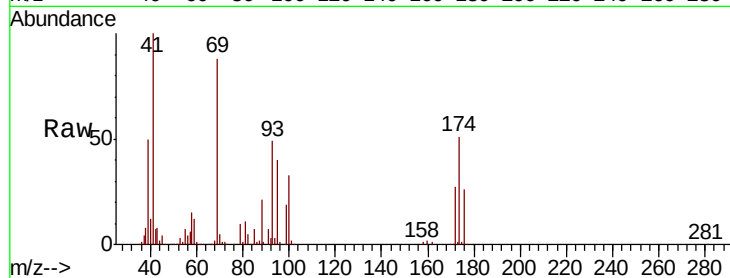
#49
1,4-Dioxane
Concen: 1030.172 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	26.6	40.0
58	68.6	58.4	87.6

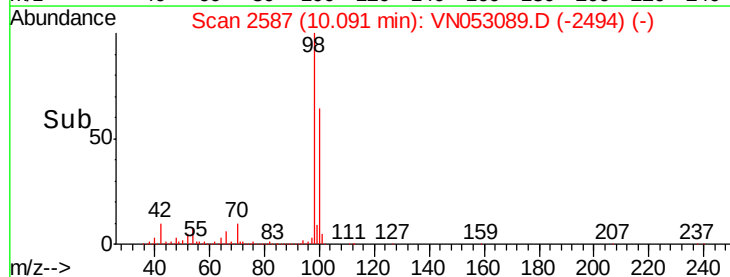
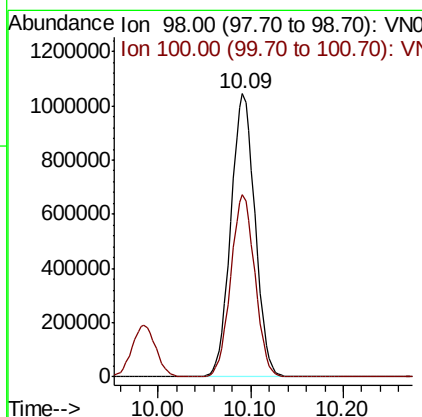
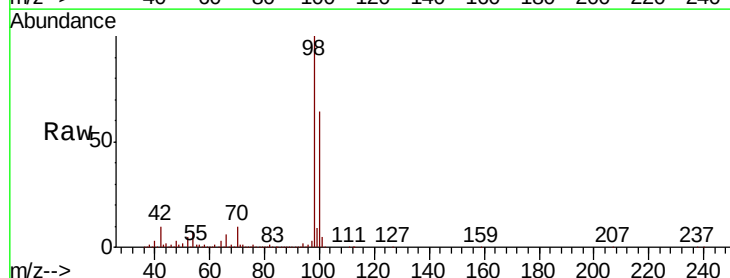
Manual Integrations
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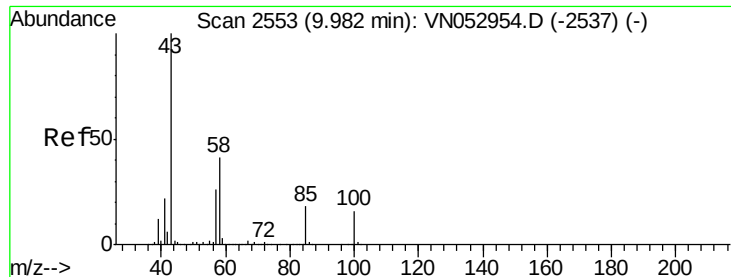
MMDadoda
12/21/2018 11:31:59 AM



#50
Toluene-d8
Concen: 1030.172 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4





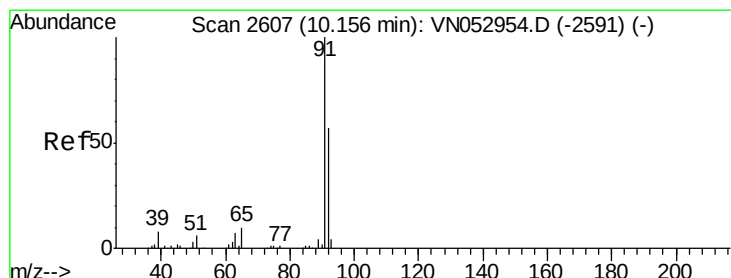
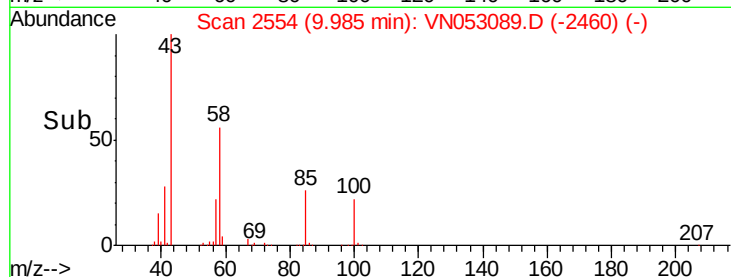
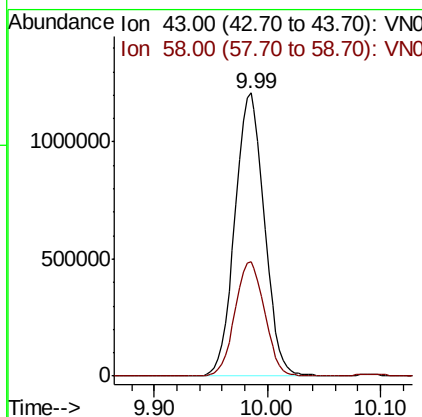
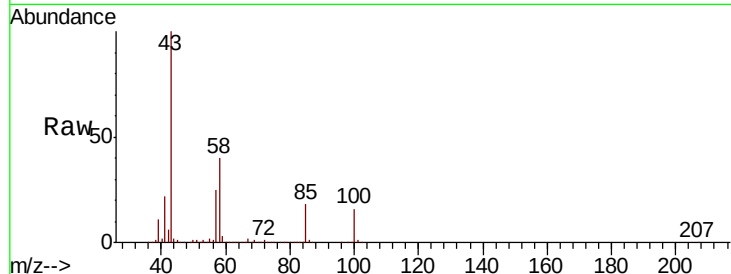
#51
 4-Methyl-2-Pentanone
 Concen: 280.498 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion: 43 Resp: 2190180
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4

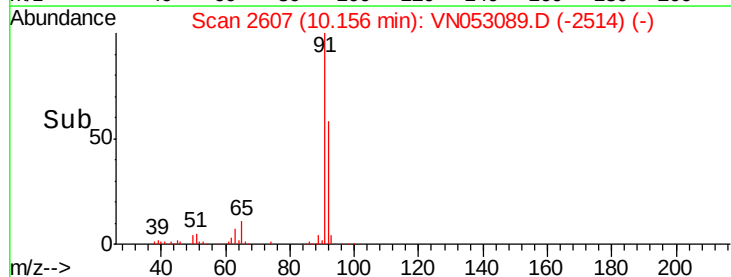
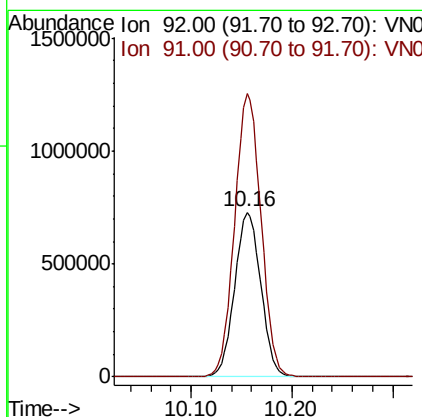
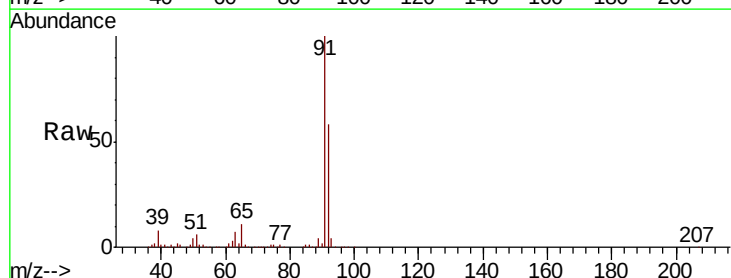
Manual Integrations
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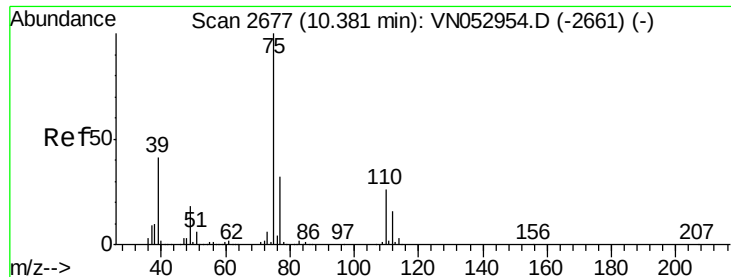
MMDadoda
 12/21/2018 11:31:59 AM



#52
 Toluene
 Concen: 49.307 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 92 Resp: 1312951
 Ion Ratio Lower Upper
 92 100
 91 173.5 139.8 209.6





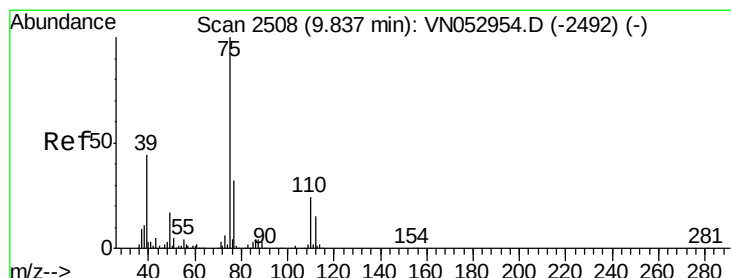
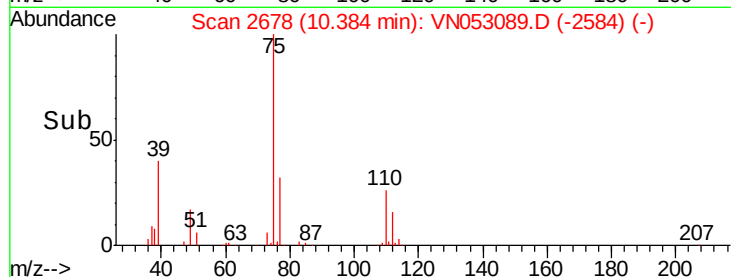
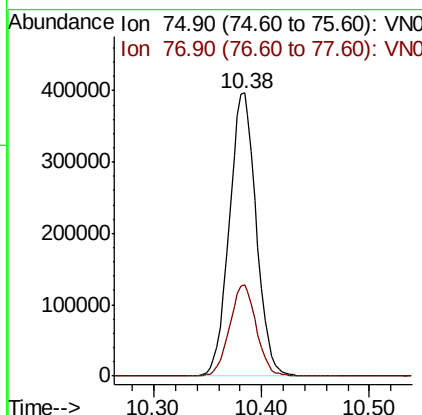
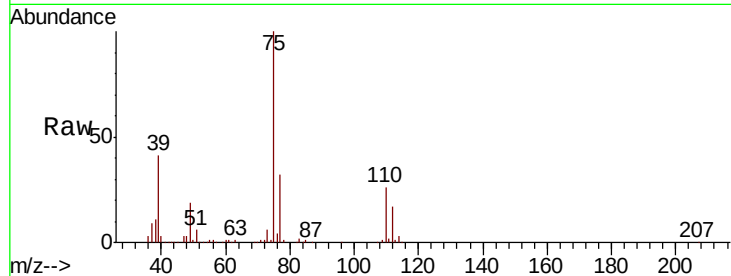
#53
t-1,3-Dichloropropene
Concen: 47.339 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 75 Resp: 689759
Ion Ratio Lower Upper
75 100
77 32.2 25.6 38.4

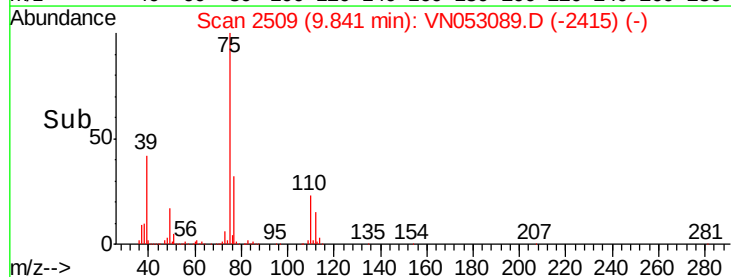
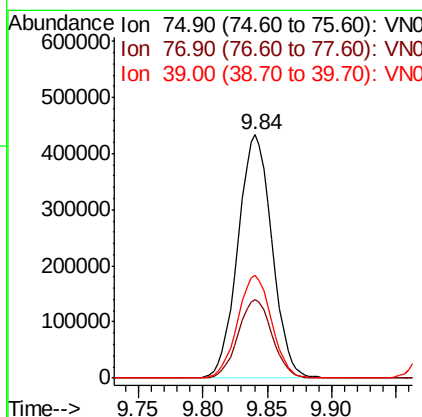
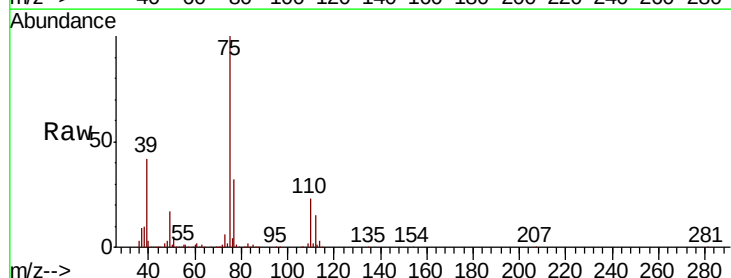
Manual Integrations
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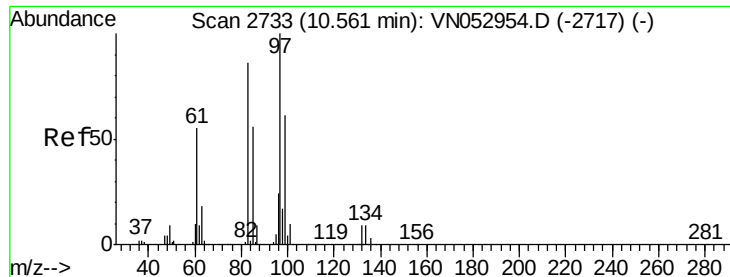
MMDadoda
12/21/2018 11:31:59 AM



#54
cis-1,3-Dichloropropene
Concen: 47.695 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 75 Resp: 797691
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
39 42.1 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 51.717 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

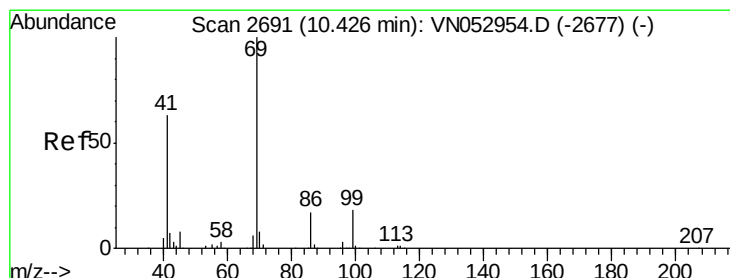
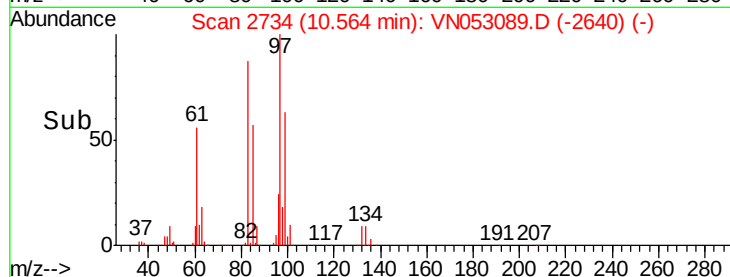
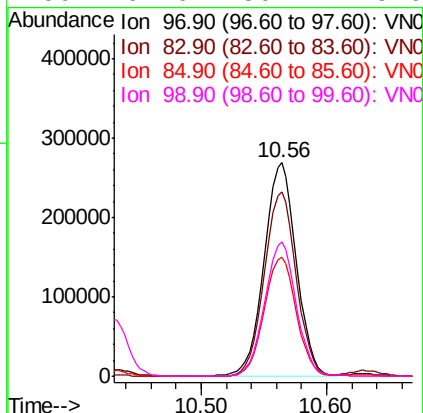
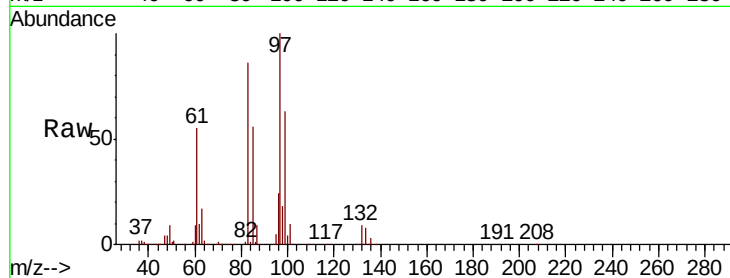
ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:	97	Resp:	480434
Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.9	106.3
85	56.0	45.4	68.2
99	62.6	50.4	75.6

Manual Integrations
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12/21/2018 11:31:59 AM



#56

Ethyl methacrylate

Concen: 54.393 ug/l

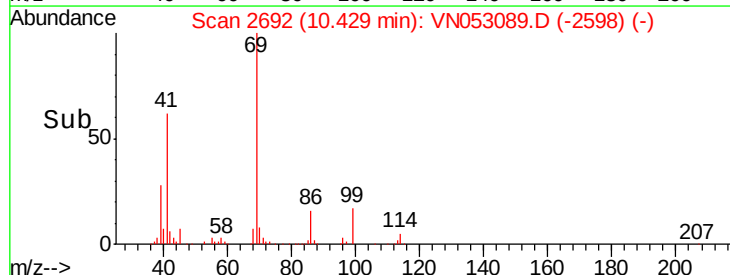
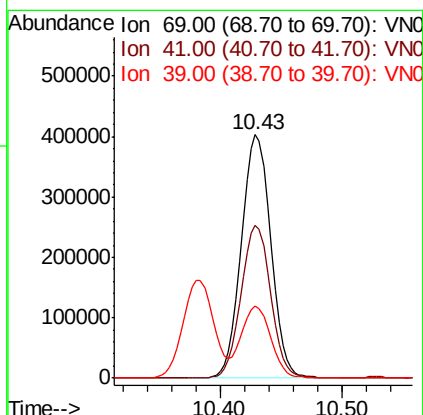
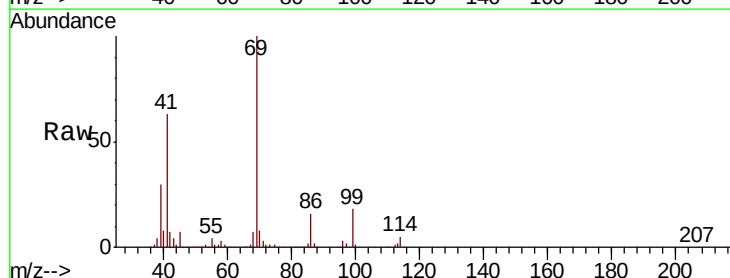
RT: 10.43 min Scan# 2692

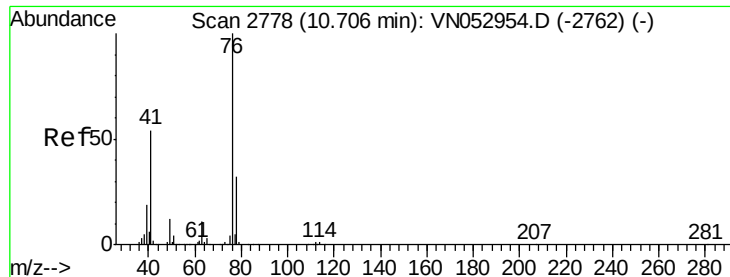
Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion:	69	Resp:	668805
Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	29.8	24.6	37.0





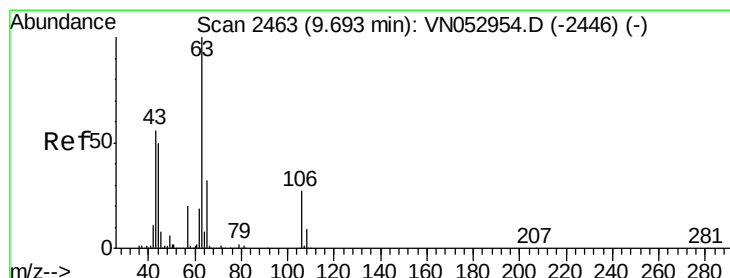
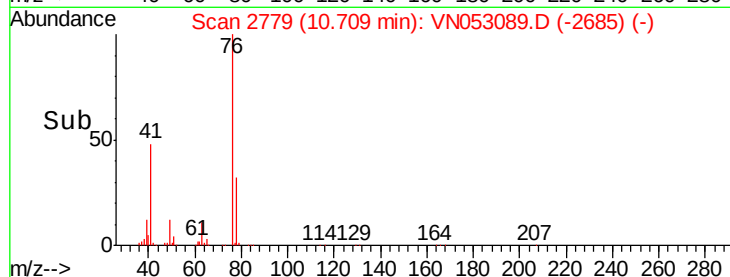
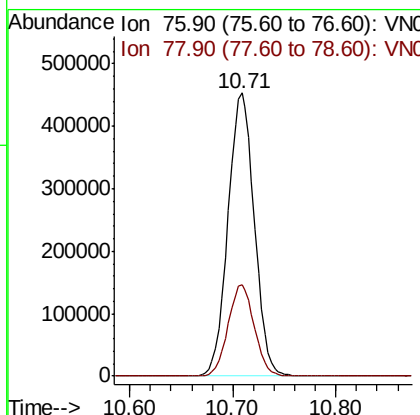
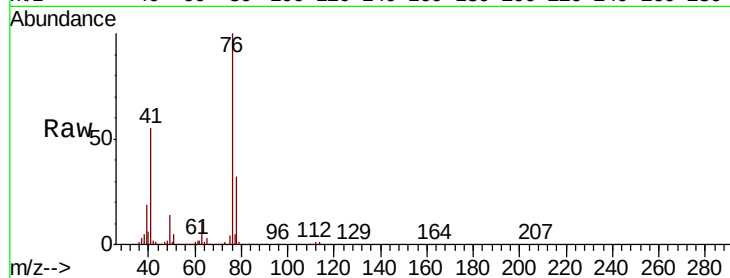
#57
 1,3-Dichloropropane
 Concen: 50.628 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion: 76 Resp: 806513
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

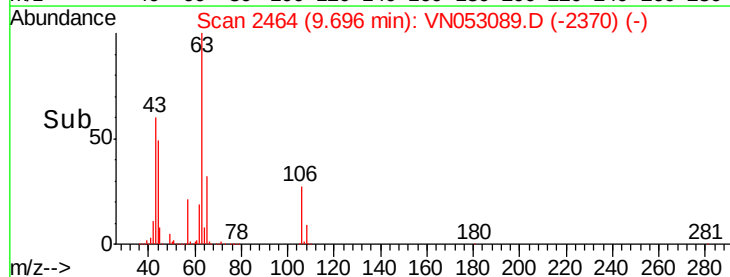
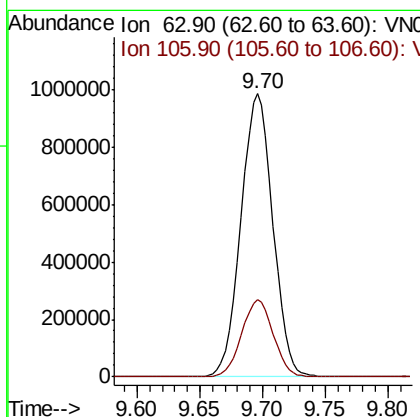
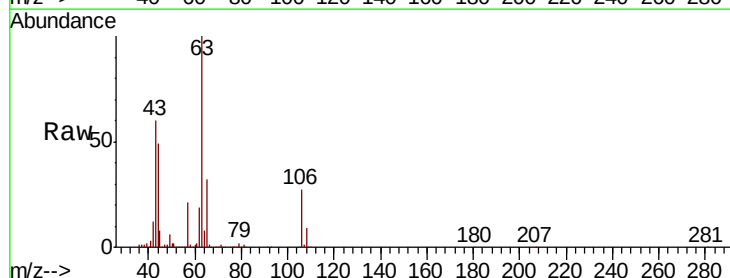
Manual Integrations
 APPROVED

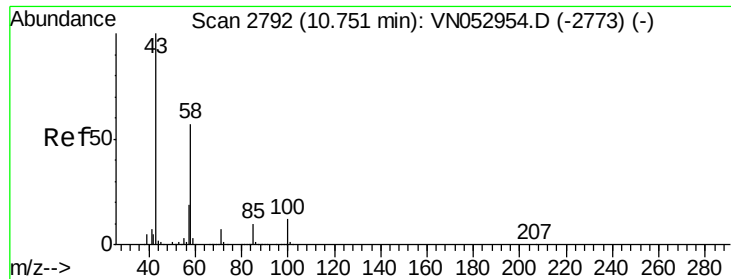
MMDadoda
 12/21/2018 11:31:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.194 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 63 Resp: 1742902
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.0 31.6





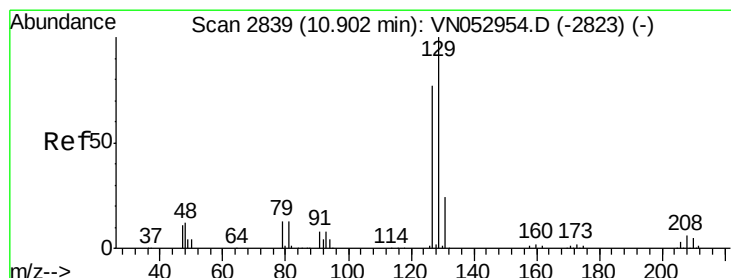
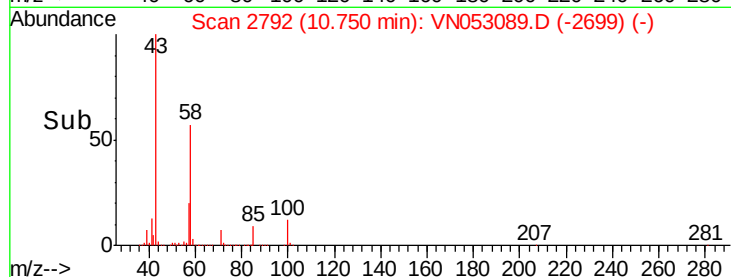
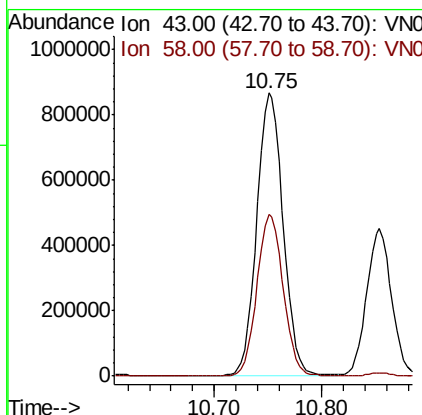
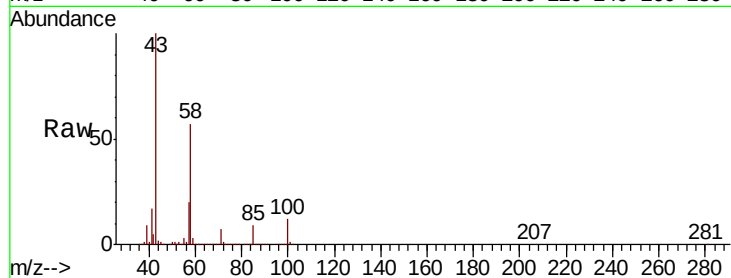
#59
2-Hexanone
Concen: 278.158 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion: 43 Resp: 1469472
Ion Ratio Lower Upper
43 100
58 57.1 28.1 84.3

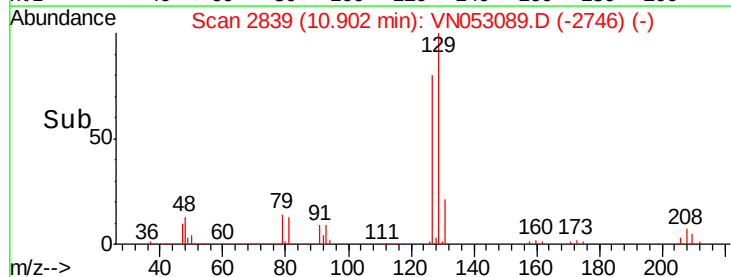
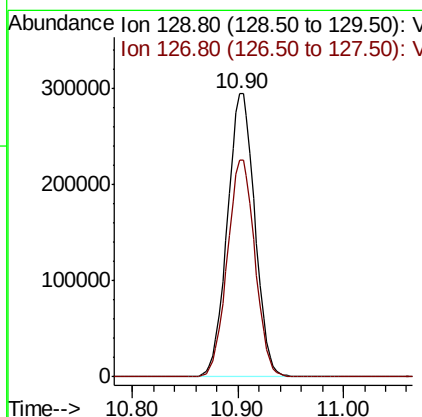
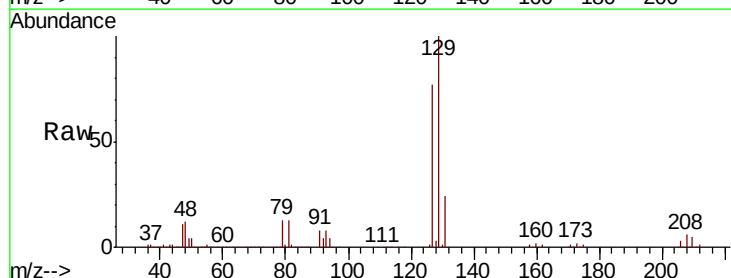
Manual Integrations
APPROVED

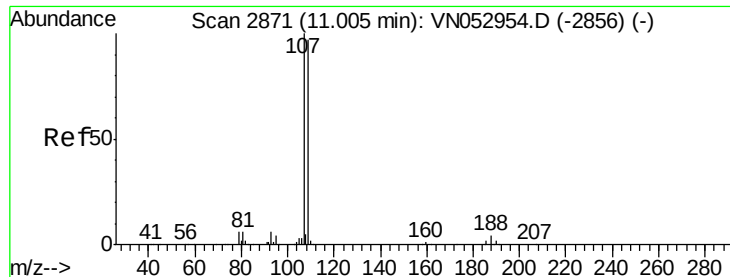
MMDadoda
12/21/2018 11:31:59 AM



#60
Dibromochloromethane
Concen: 49.866 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion: 129 Resp: 530260
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





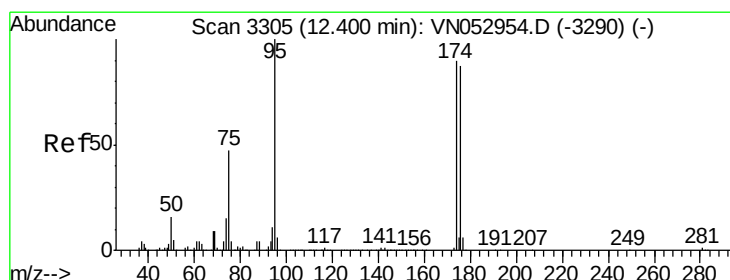
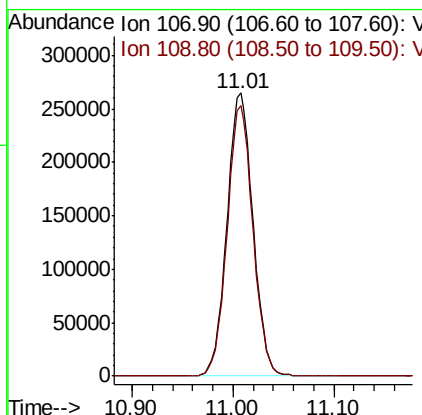
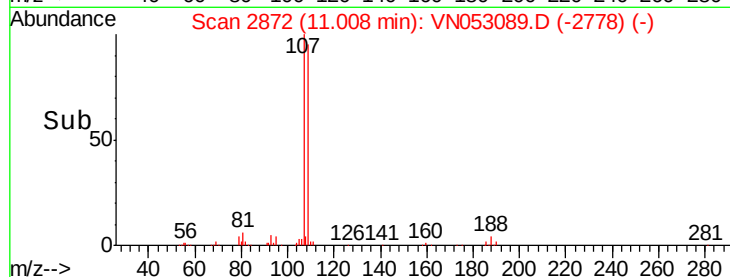
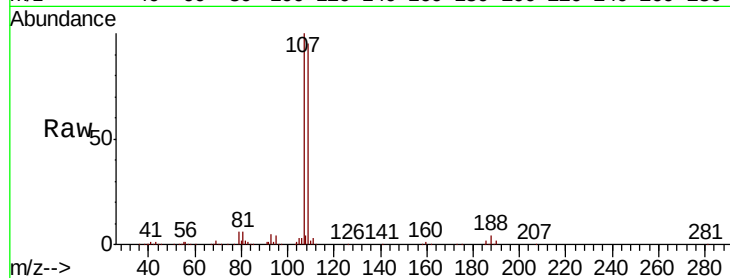
#61
 1,2-Dibromoethane
 Concen: 50.540 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion: 107 Resp: 476825
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.0

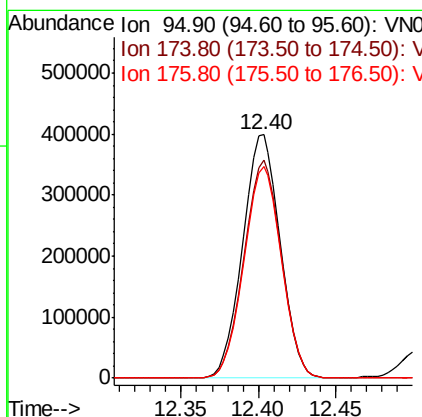
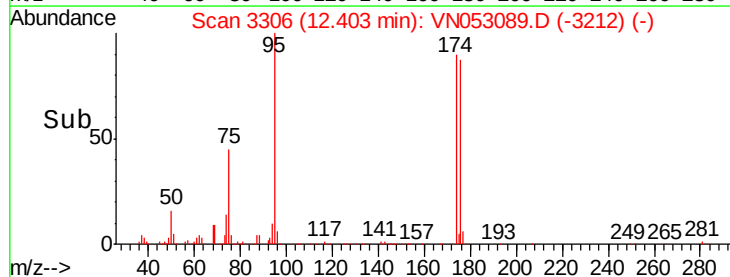
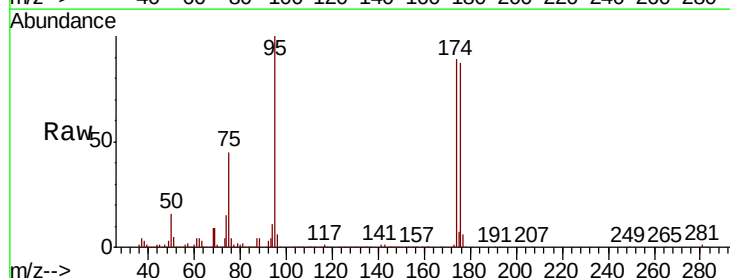
Manual Integrations
 APPROVED

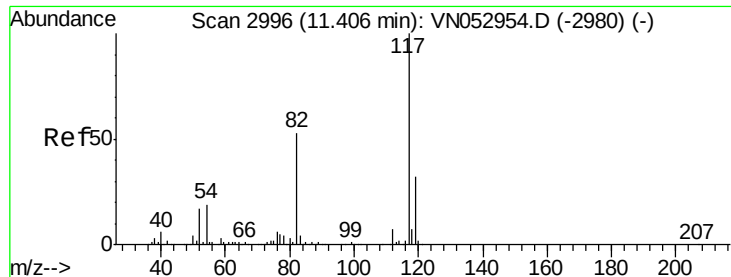
MMDadoda
 12/21/2018 11:31:59 AM



#62
 4-Bromofluorobenzene
 Concen: 50.540 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion: 95 Resp: 670869
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.8
 176 87.3 0.0 173.8





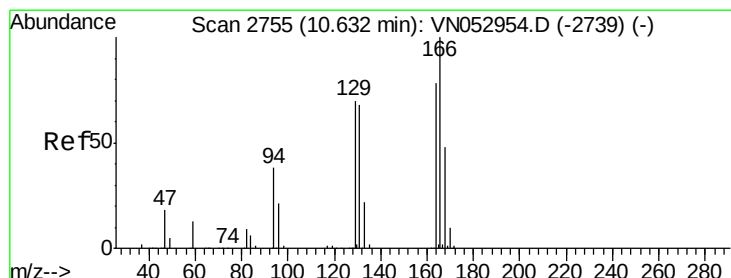
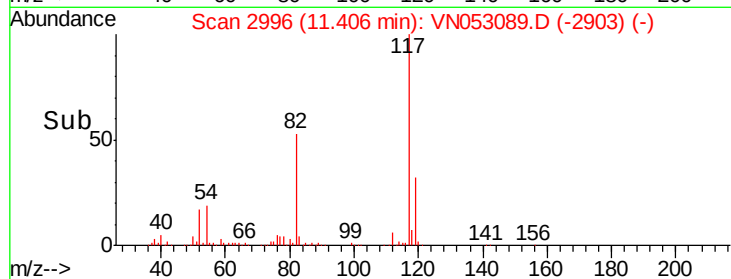
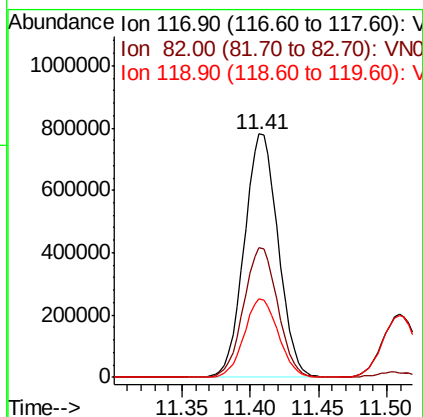
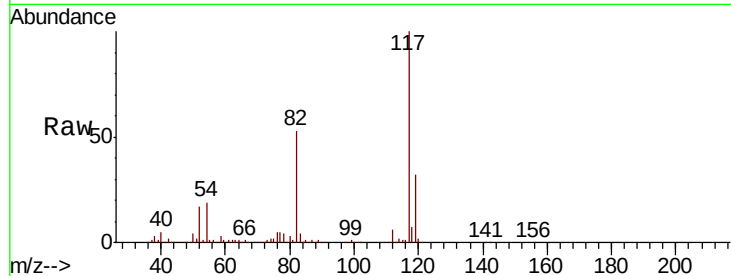
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.8	64.2
119	32.3	25.5	38.3

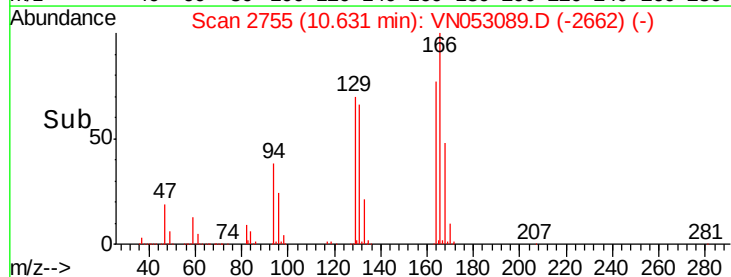
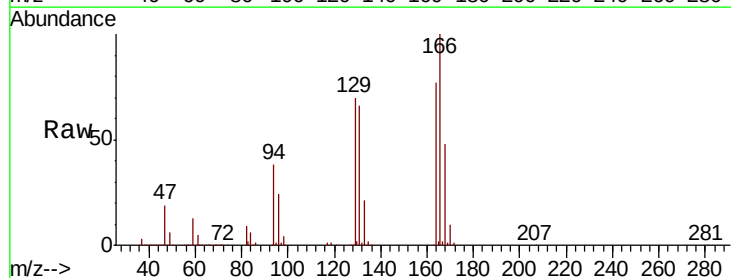
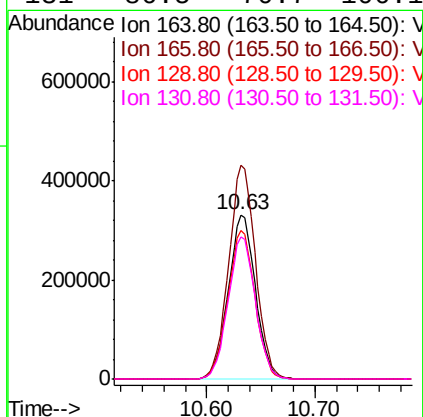
Manual Integrations
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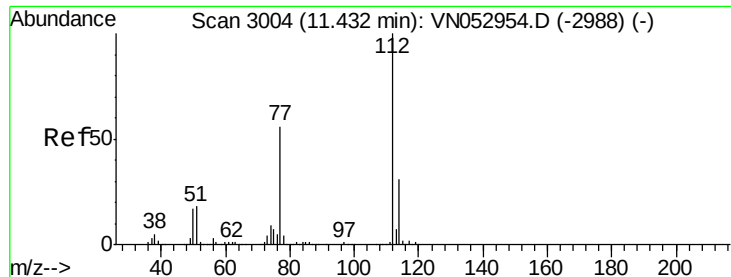
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#64
Tetrachloroethene
Concen: 39.751 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.9	154.3
129	90.6	73.7	110.5
131	86.5	70.7	106.1





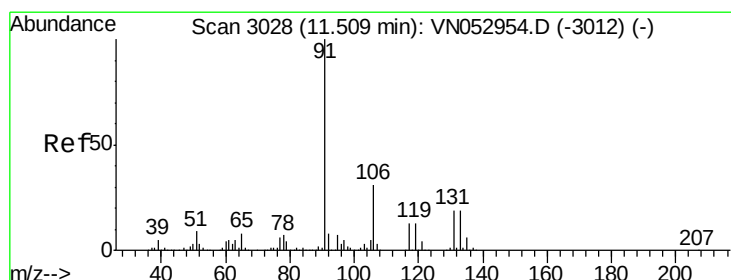
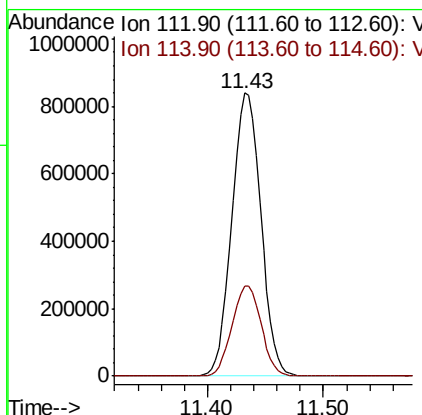
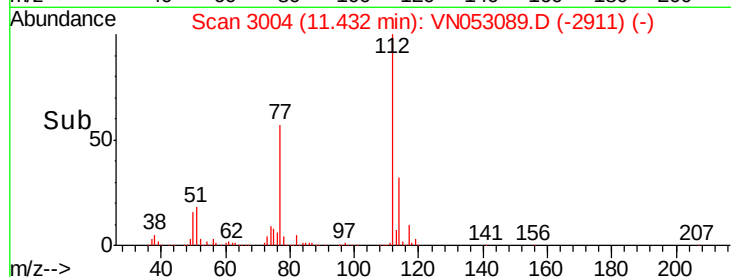
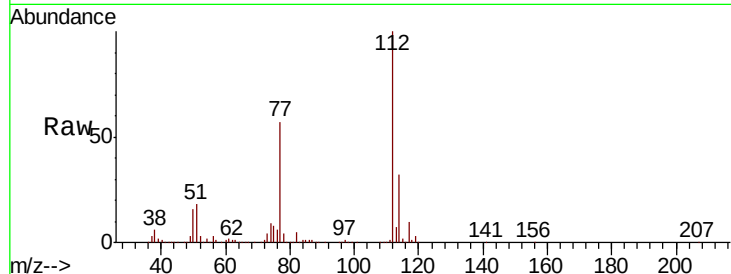
#65
Chlorobenzene
Concen: 48.638 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion:112 Resp: 1451181
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

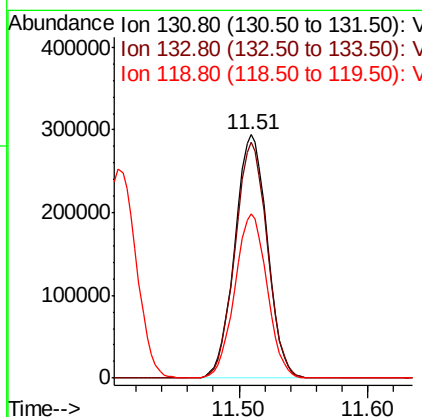
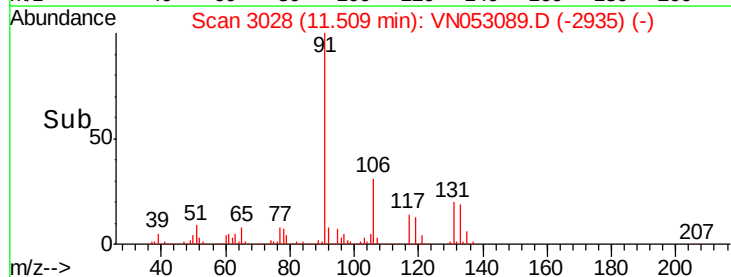
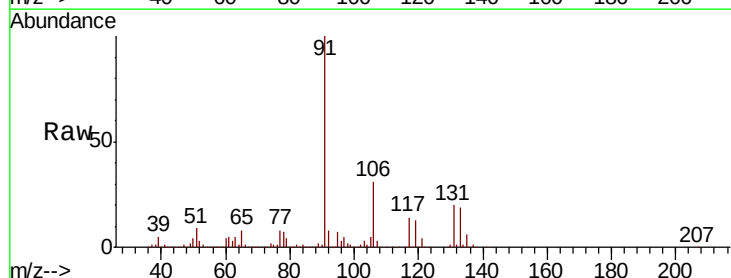
Manual Integrations
APPROVED

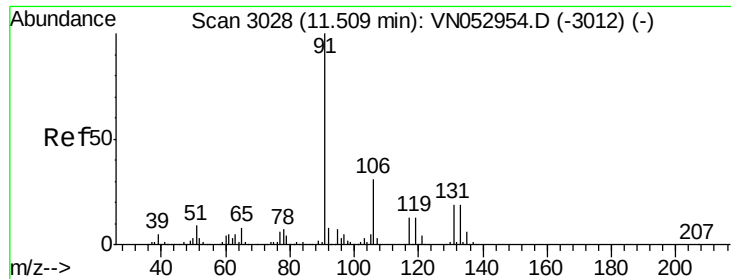
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.762 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion:131 Resp: 516304
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 66.9 33.3 99.8





#67

Ethyl Benzene

Concen: 48.735 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion: 91 Resp: 2500628

Ion Ratio Lower Upper

91 100

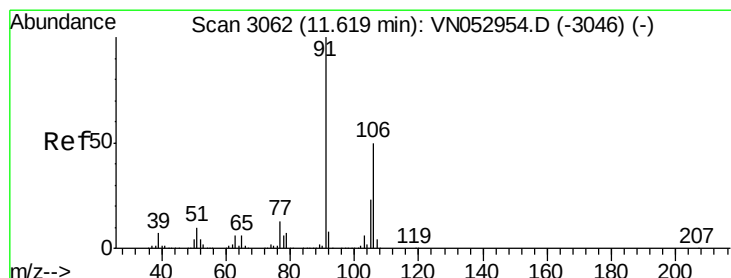
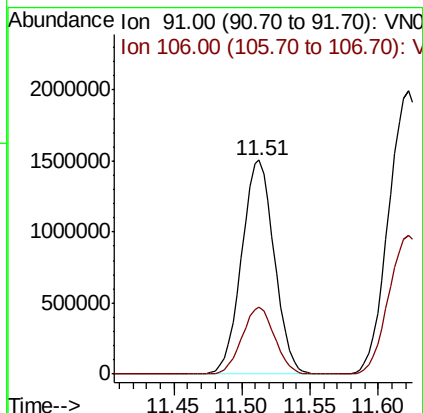
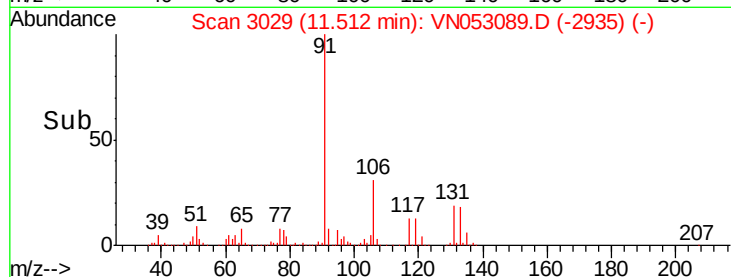
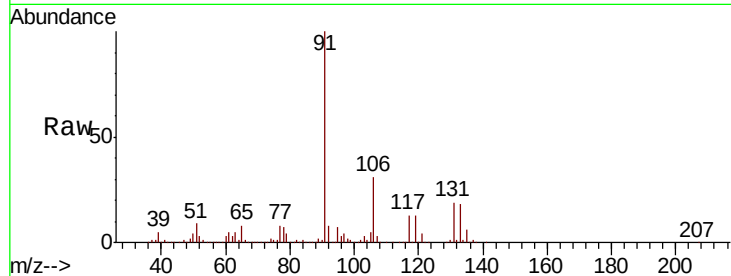
106 31.1 24.9 37.3

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12/21/2018 11:31:59 AM



#68

m/p-Xylenes

Concen: 96.817 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053089.D

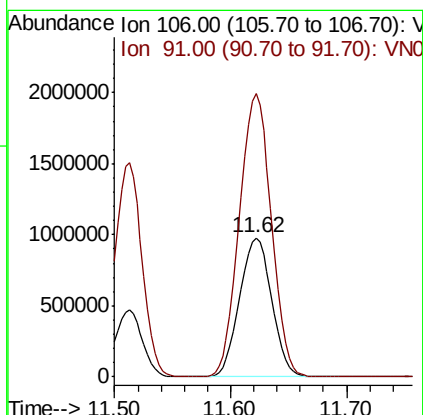
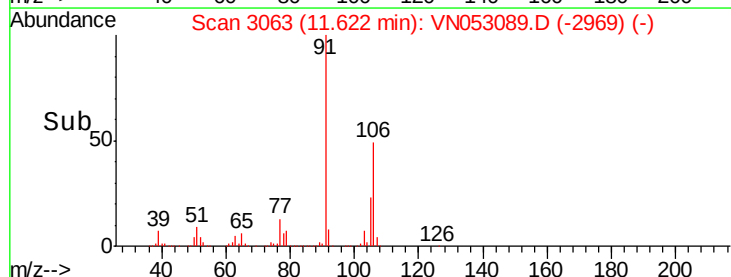
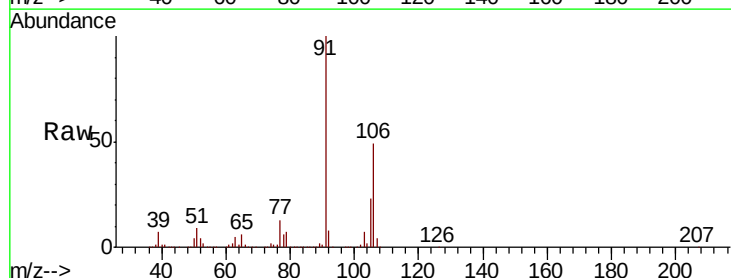
Acq: 21 Dec 2018 6:36

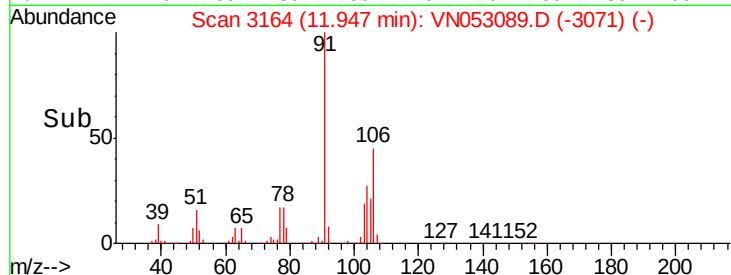
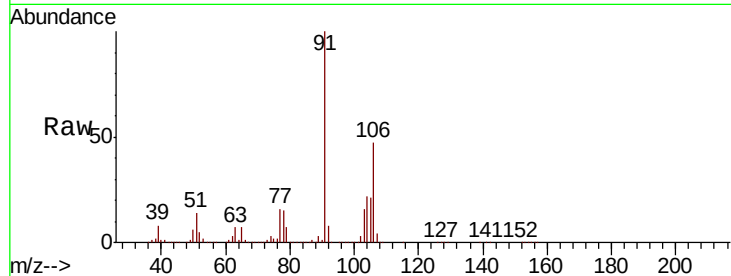
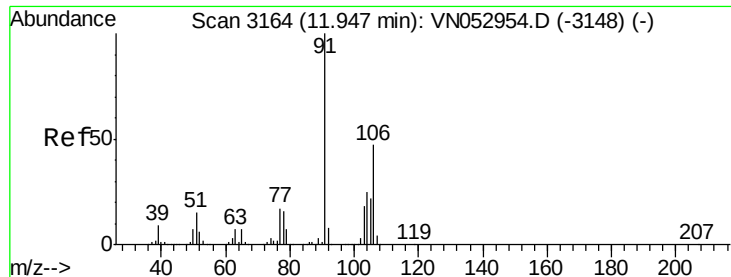
Tgt Ion: 106 Resp: 1888515

Ion Ratio Lower Upper

106 100

91 202.4 162.2 243.4





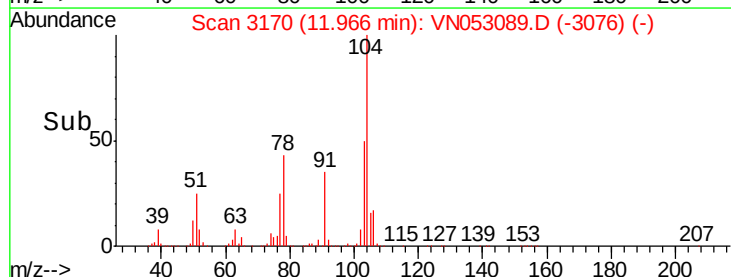
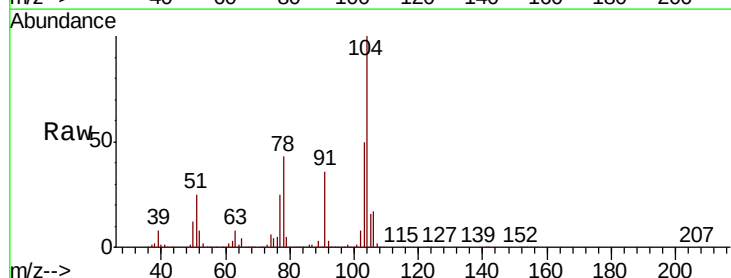
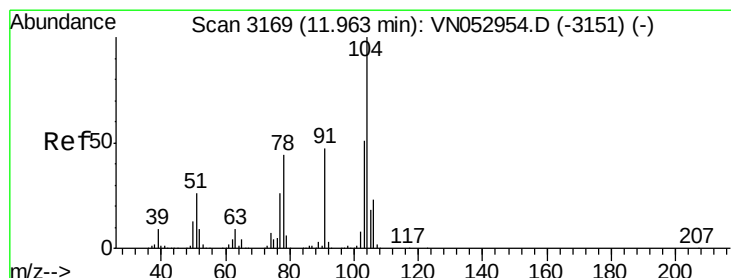
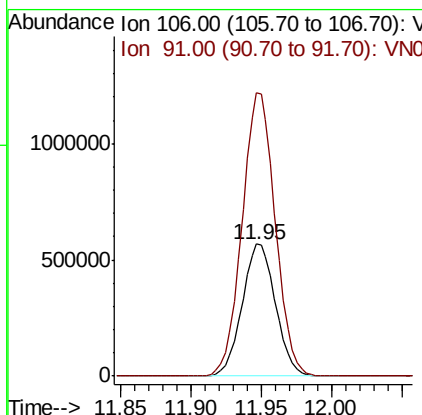
#69
o-Xylene
Concen: 50.153 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.1	106.6	319.8

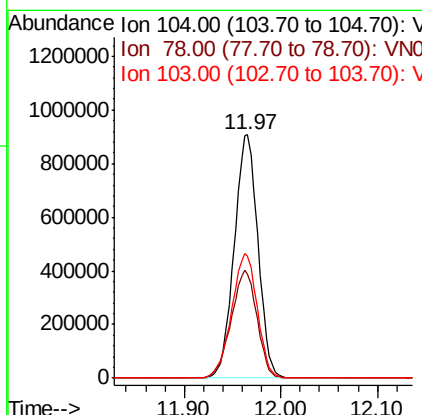
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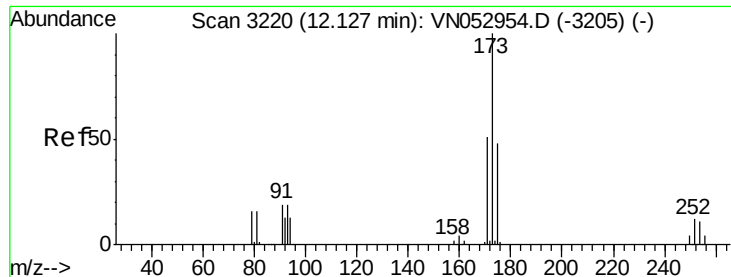
MMDadoda
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#70
Styrene
Concen: 50.518 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.9	58.3
103	55.5	44.3	66.5





#71

Bromoform

Concen: 48.556 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

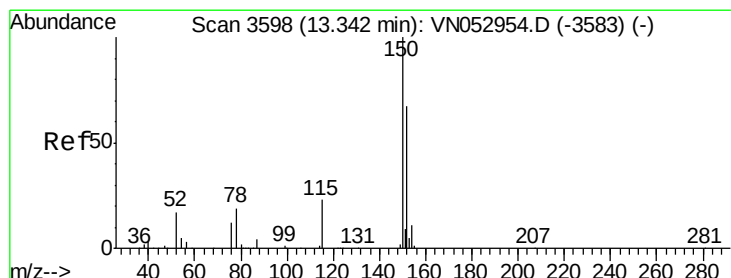
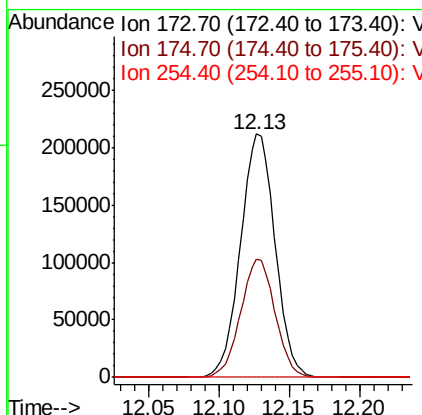
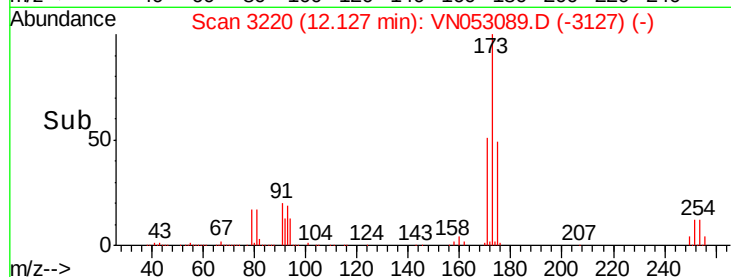
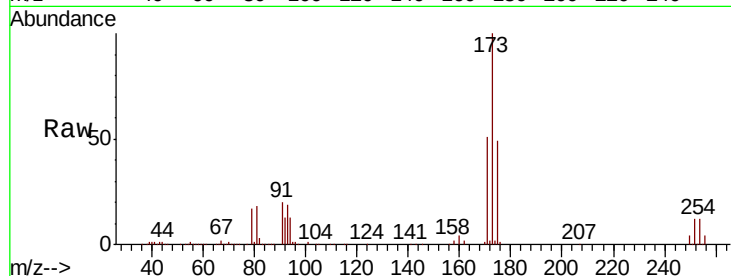
ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.9
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

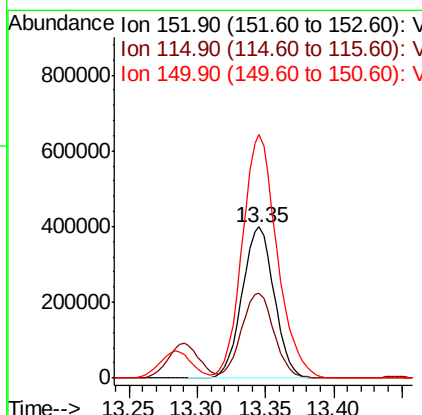
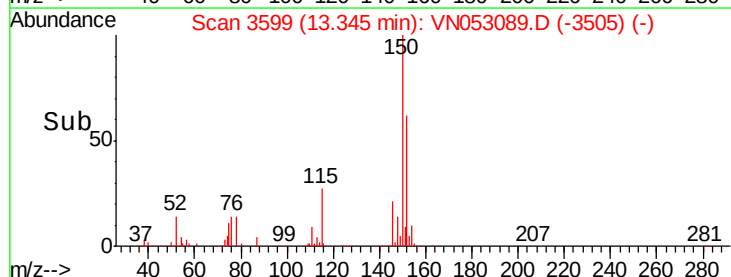
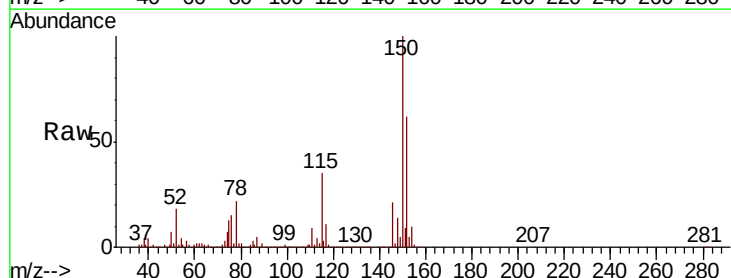
RT: 13.35 min Scan# 3599

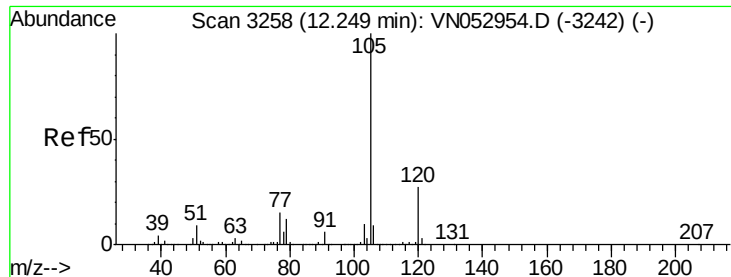
Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.3	85.0
150	175.1	0.0	347.8





#73

Isopropylbenzene

Concen: 53.188 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:105 Resp: 2699382

Ion Ratio Lower Upper

105 100

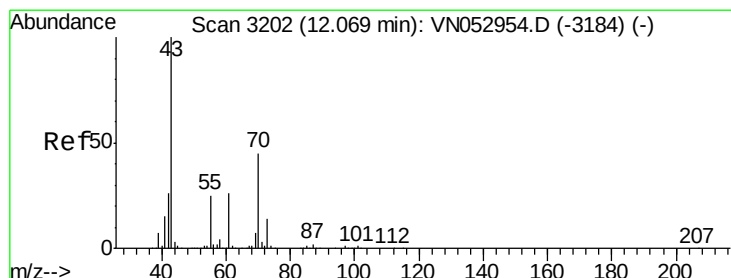
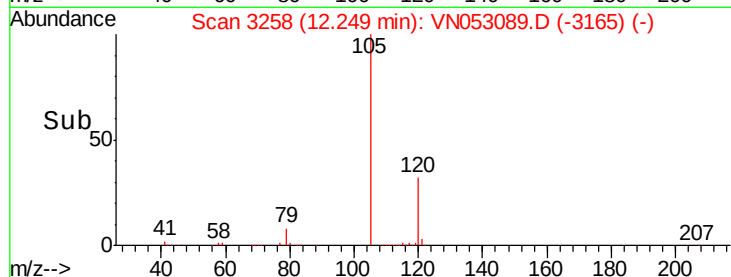
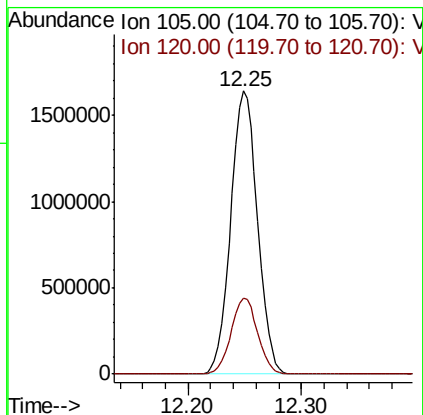
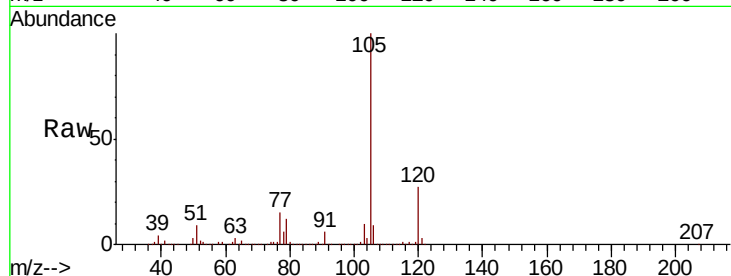
120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 59.137 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion: 43 Resp: 833271

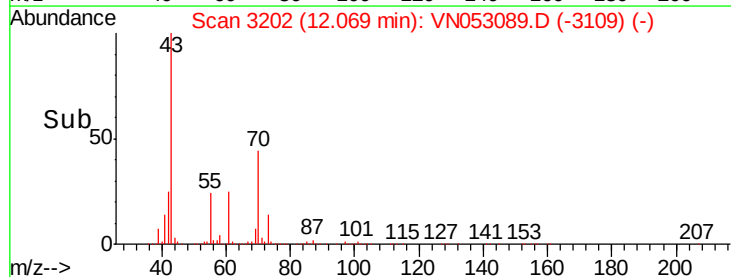
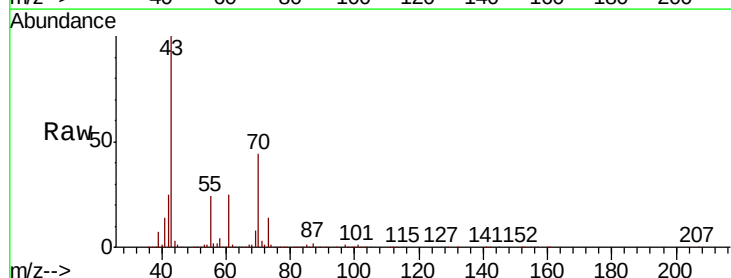
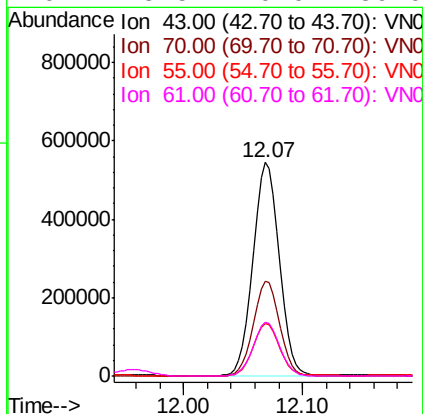
Ion Ratio Lower Upper

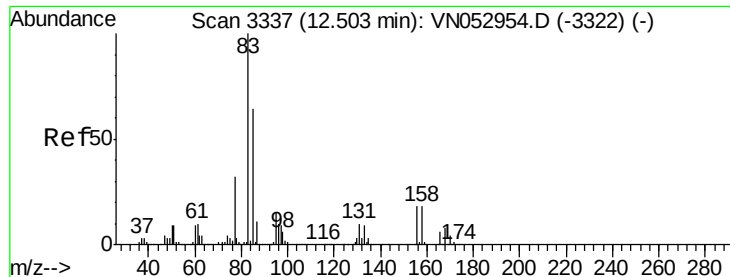
43 100

70 44.7 34.2 51.4

55 24.6 20.3 30.5

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.356 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

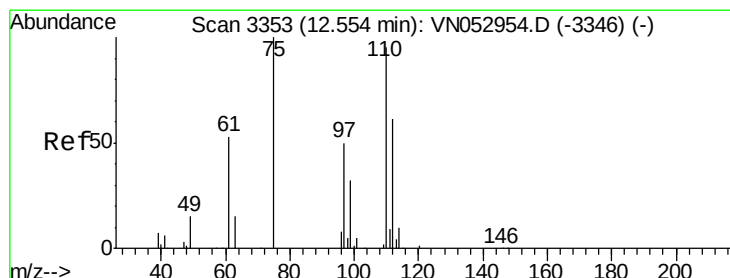
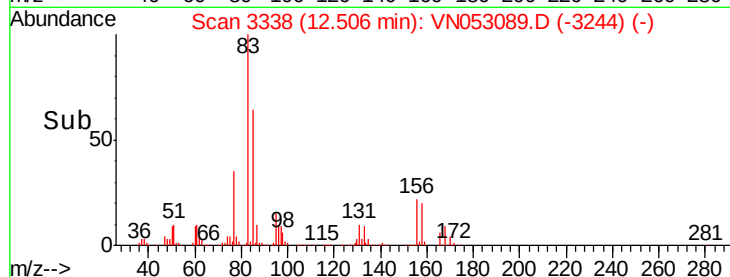
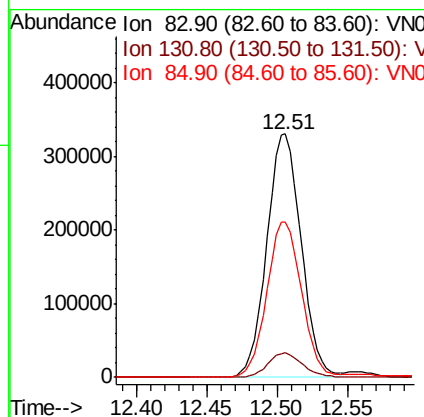
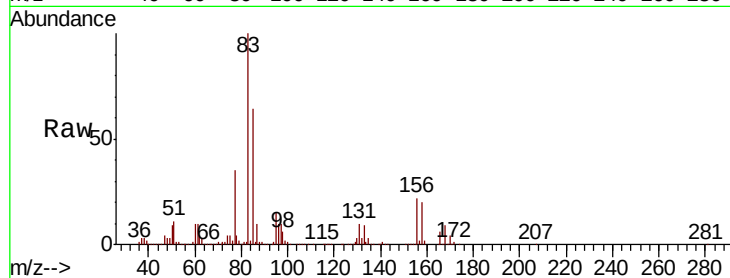
ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:	83	Resp:	561127
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.2	32.4	97.0

Manual Integrations
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12/21/2018 11:31:59 AM



#76

1,2,3-Trichloropropane

Concen: 47.718 ug/l m

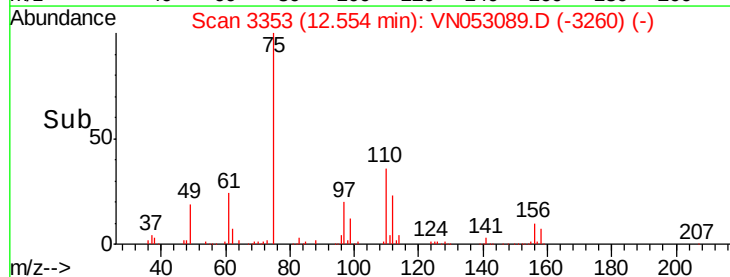
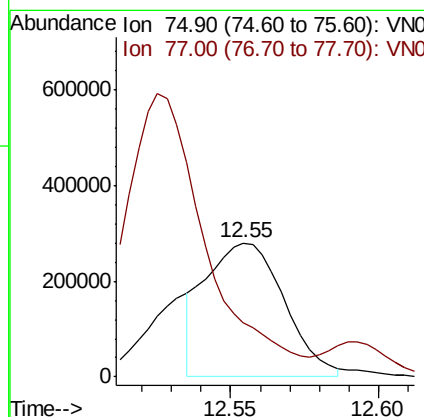
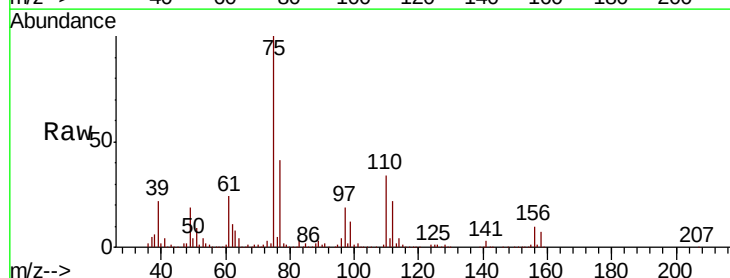
RT: 12.55 min Scan# 3353

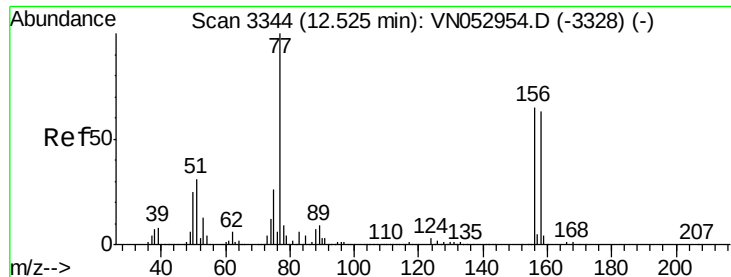
Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion:	75	Resp:	521060
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





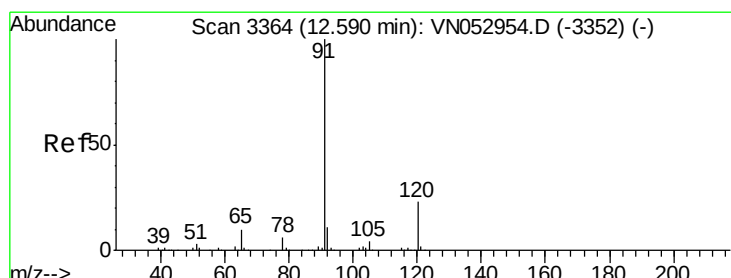
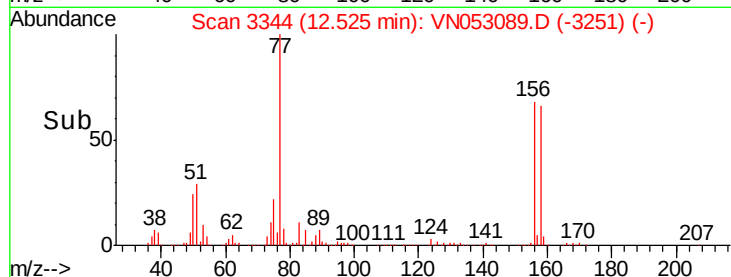
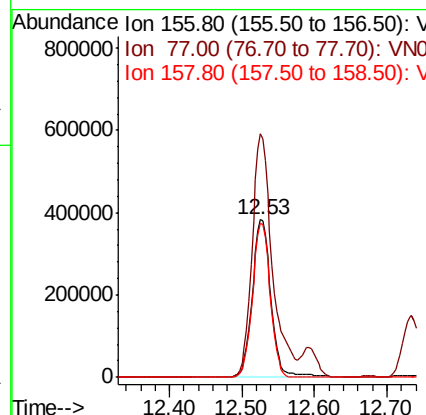
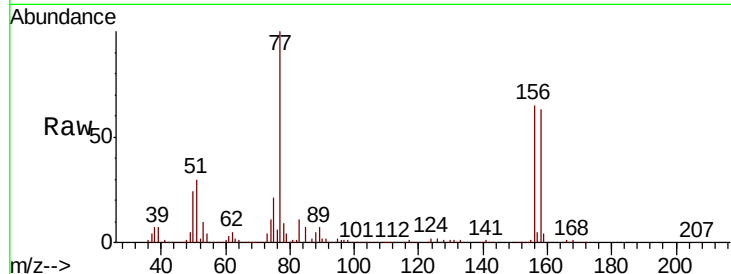
#77
Bromobenzene
Concen: 52.221 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.3	91.3	273.8
158	91.5	49.0	147.2

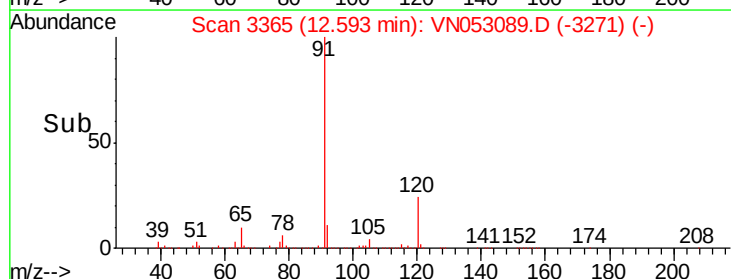
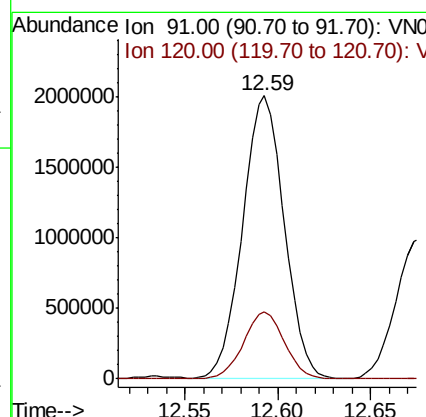
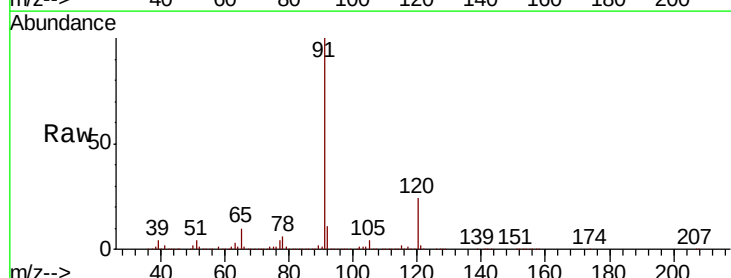
Manual Integrations
APPROVED

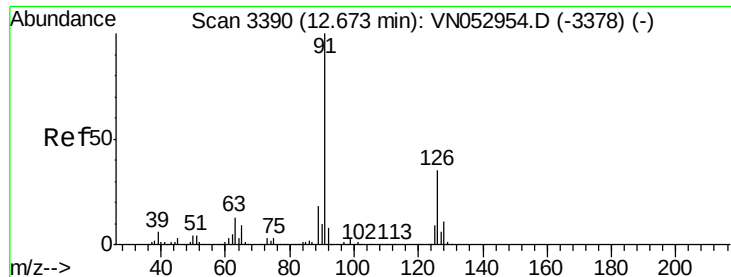
MMDadoda
12/21/2018 11:31:59 AM



#78
n-propylbenzene
Concen: 53.940 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 45.952 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion: 91 Resp: 1646386

Ion Ratio Lower Upper

91 100

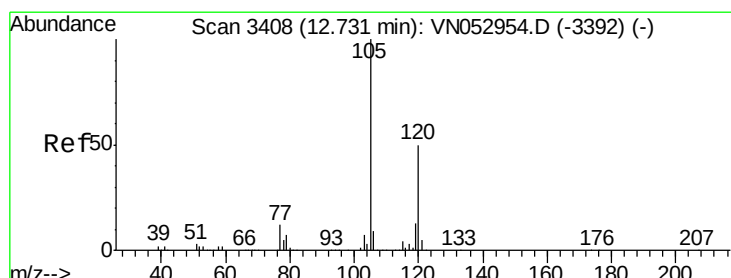
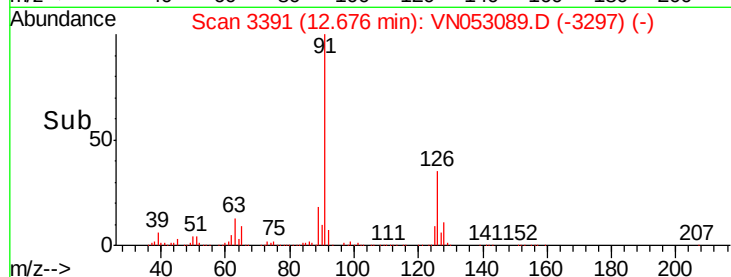
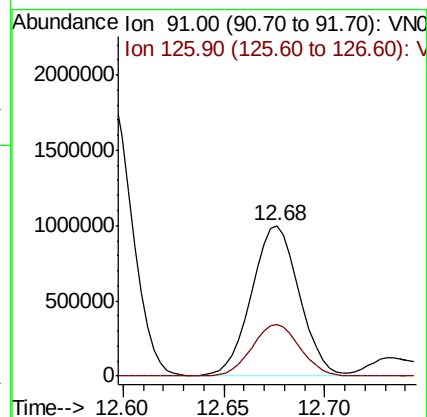
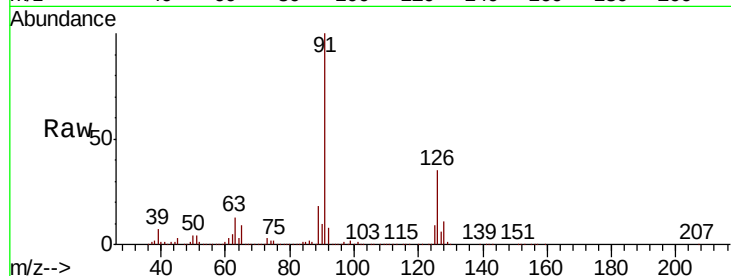
126 34.9 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.788 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053089.D

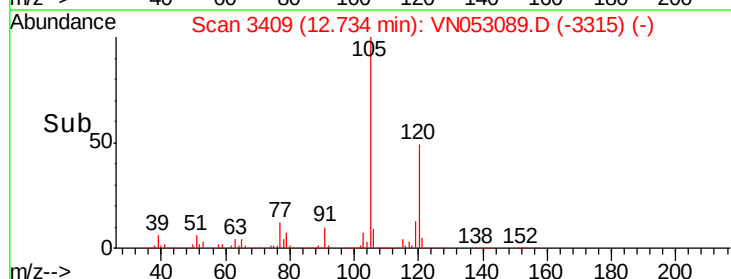
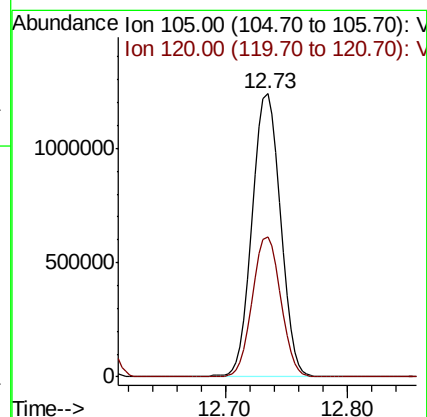
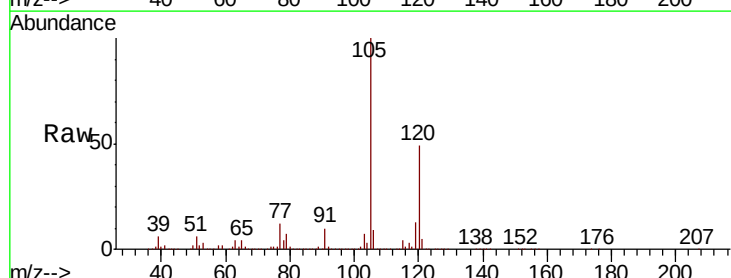
Acq: 21 Dec 2018 6:36

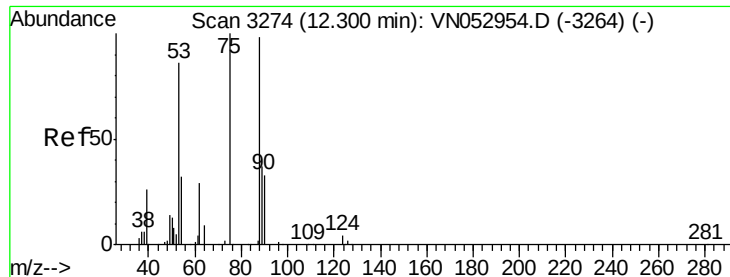
Tgt Ion: 105 Resp: 1976850

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.476 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion: 75 Resp: 147292

Ion Ratio Lower Upper

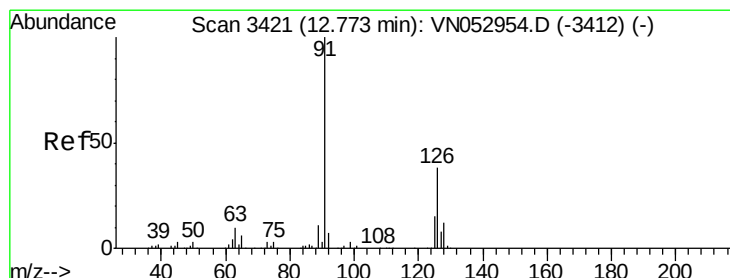
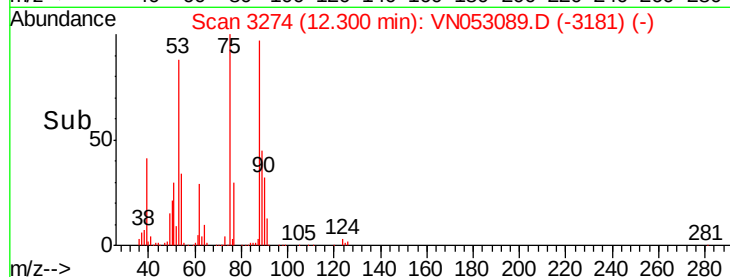
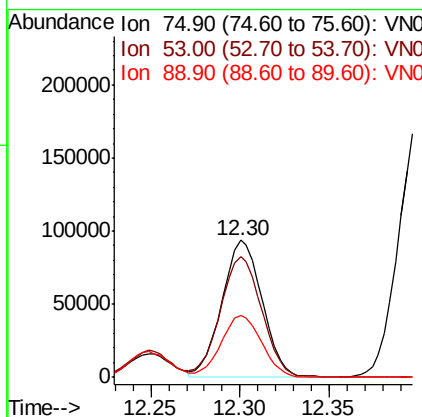
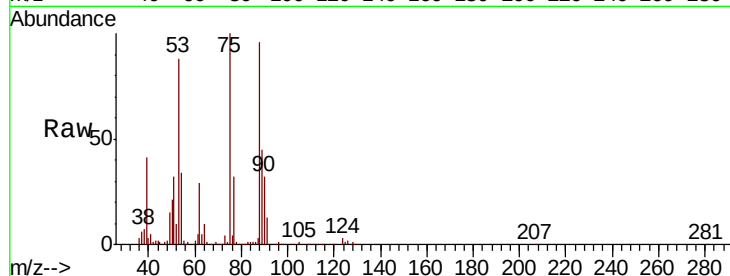
75 100

53 90.3 74.7 112.1

89 45.8 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.476 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053089.D

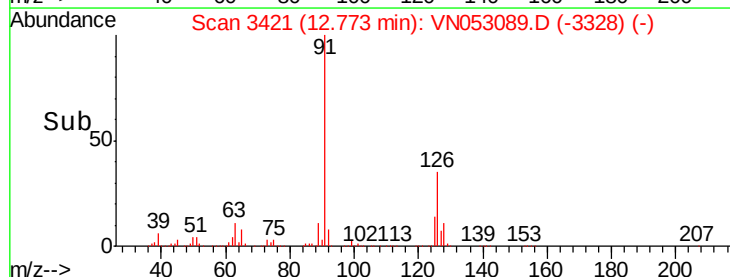
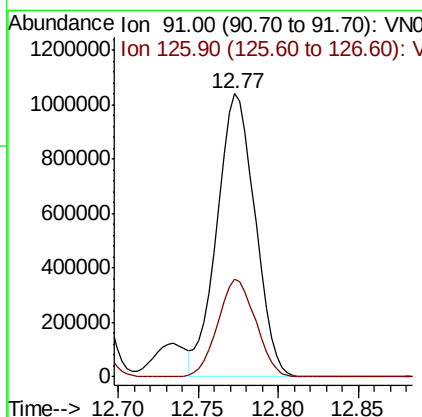
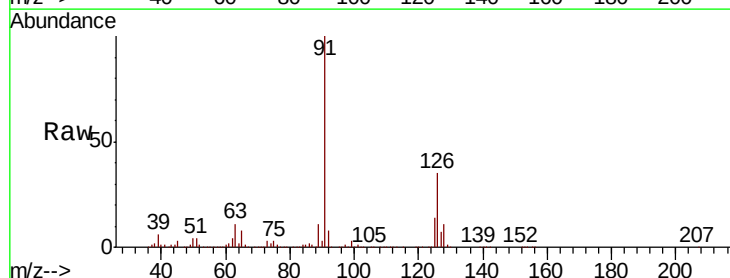
Acq: 21 Dec 2018 6:36

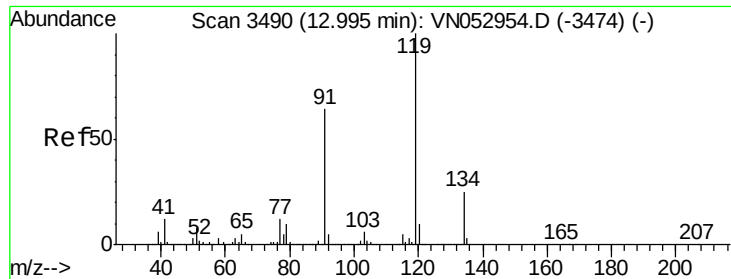
Tgt Ion: 91 Resp: 1700179

Ion Ratio Lower Upper

91 100

126 34.4 17.3 51.7





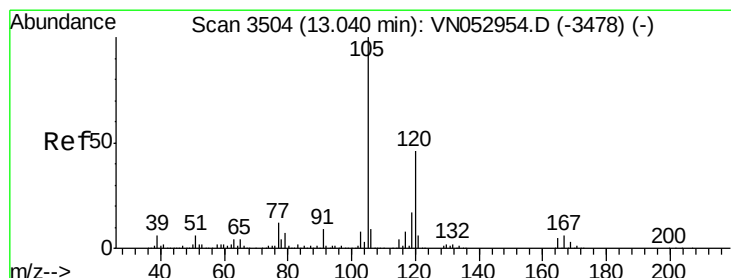
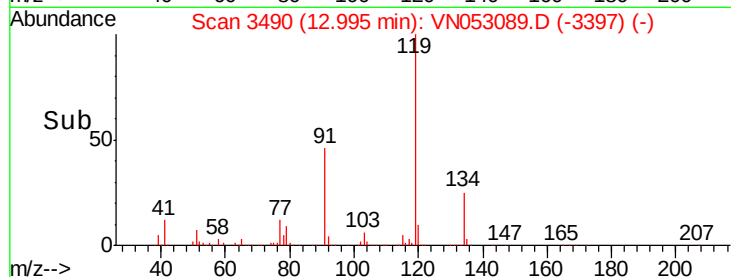
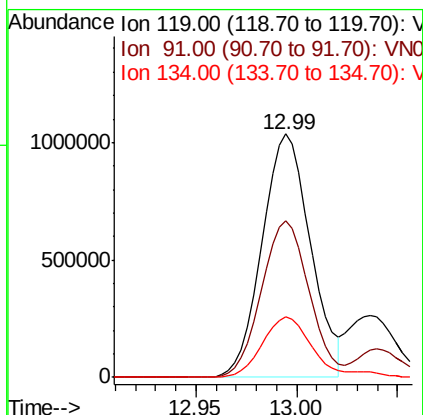
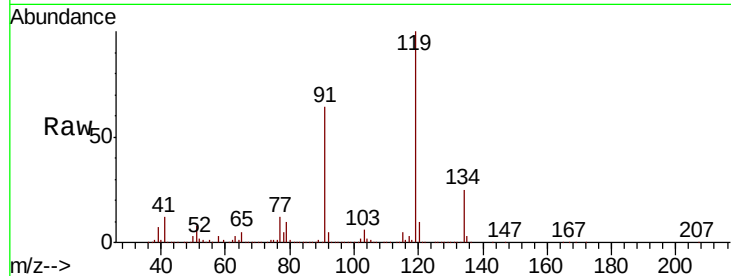
#83
tert-Butylbenzene
Concen: 47.420 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.9	95.5
134	26.2	12.8	38.4

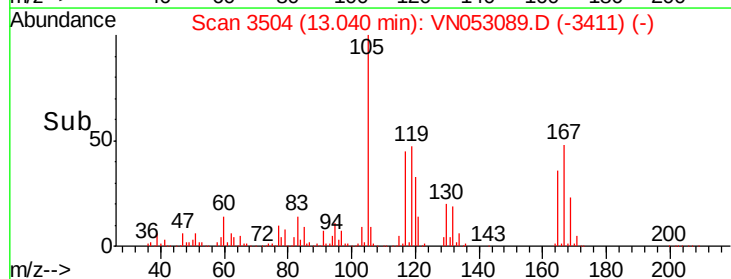
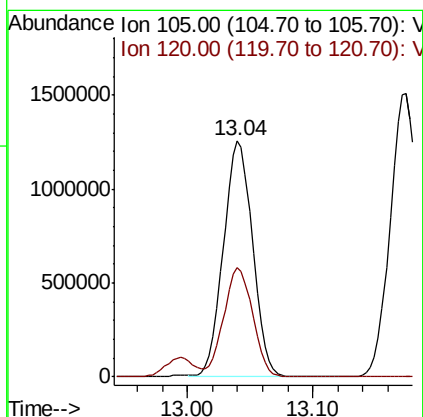
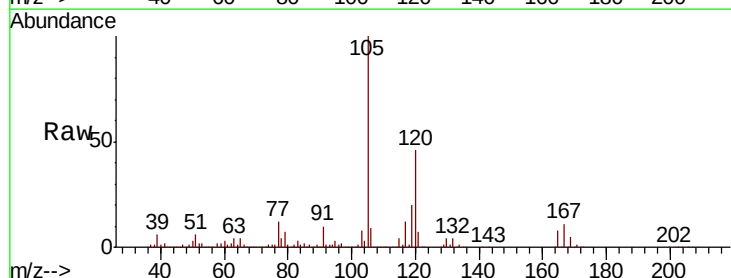
Manual Integrations
APPROVED

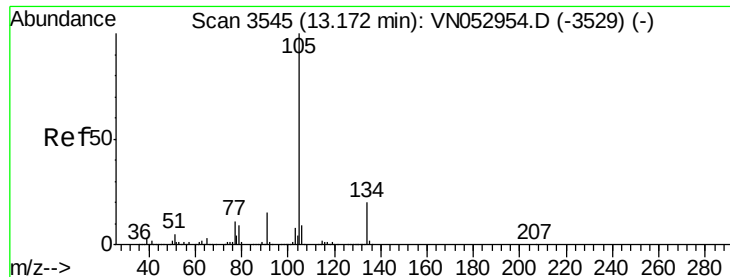
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 48.613 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 48.647 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:105 Resp: 2407341

Ion Ratio Lower Upper

105 100

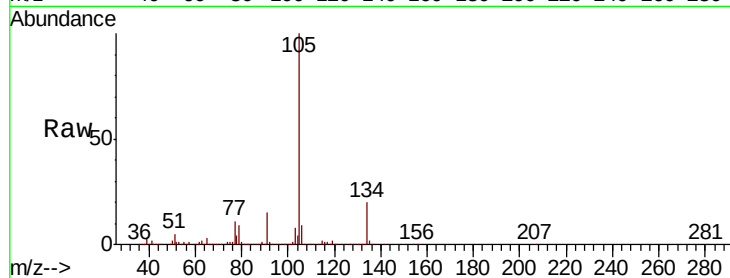
134 20.6 10.1 30.3

Manual Integrations

APPROVED

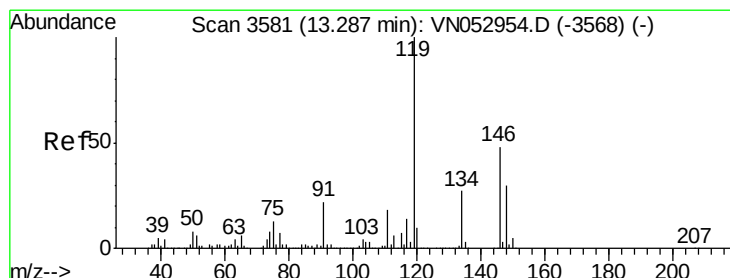
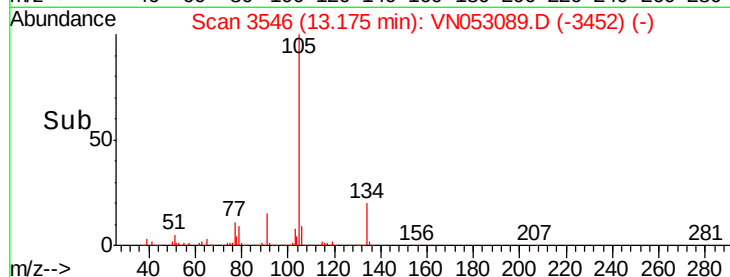
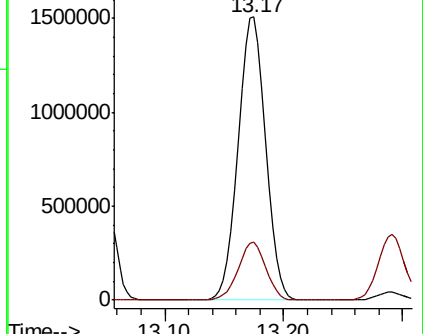
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.657 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

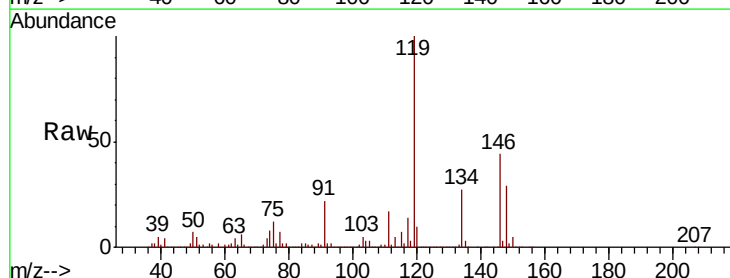
Tgt Ion:119 Resp: 1995033

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

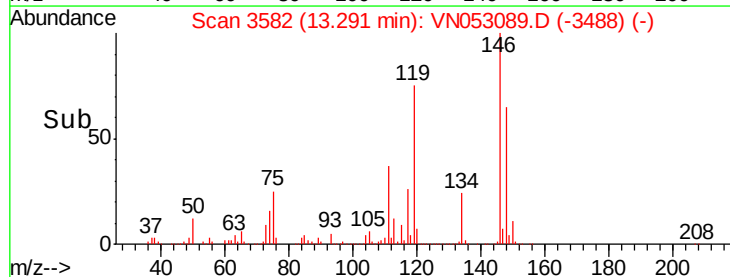
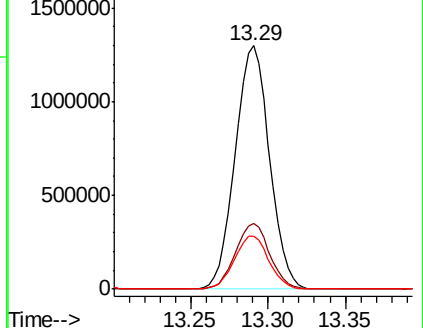
91 21.8 11.1 33.3

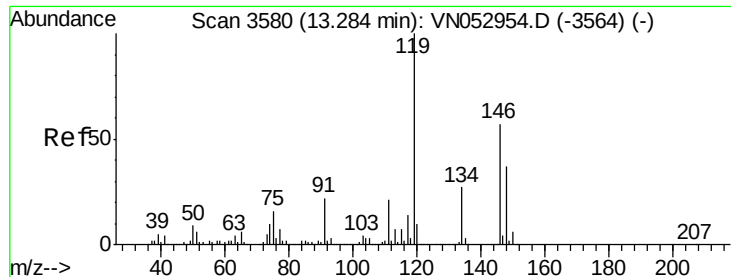


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





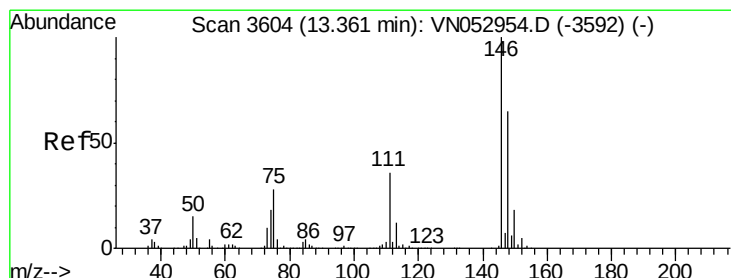
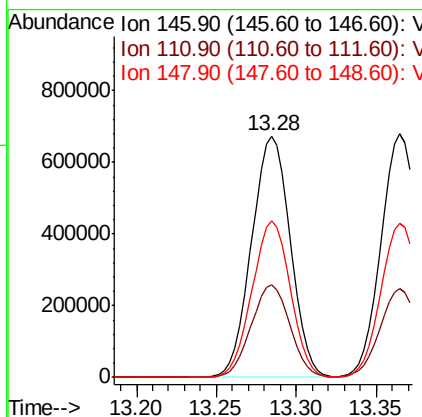
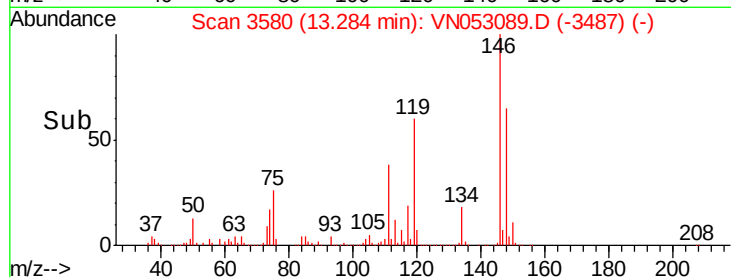
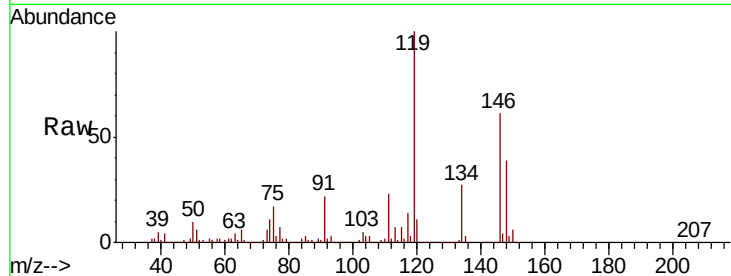
#87
 1,3-Dichlorobenzene
 Concen: 47.882 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion:146 Resp: 1118026
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.1 57.1
 148 64.3 32.0 96.0

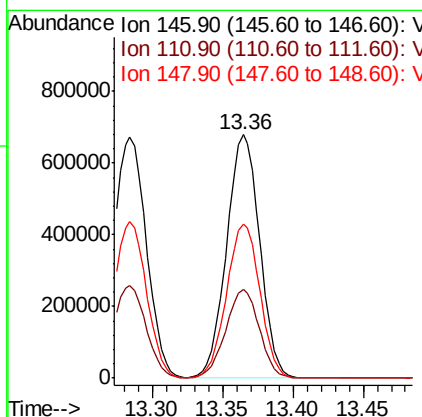
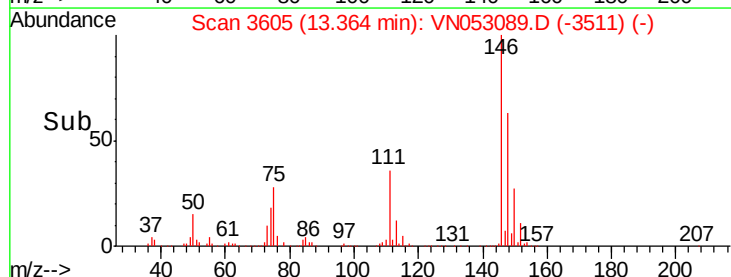
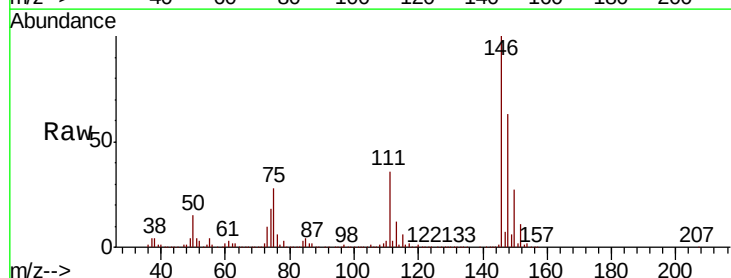
Manual Integrations
 APPROVED

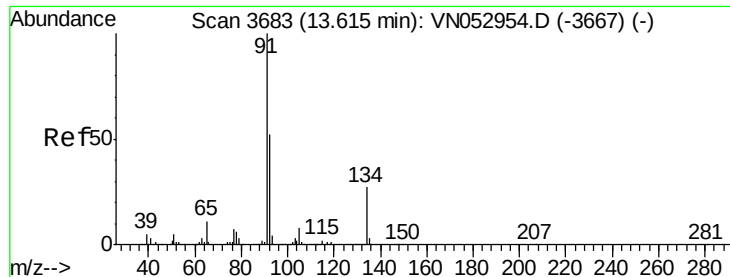
MMDadoda
 12/21/2018 11:31:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.041 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion:146 Resp: 1112327
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.8
 148 64.0 32.1 96.5





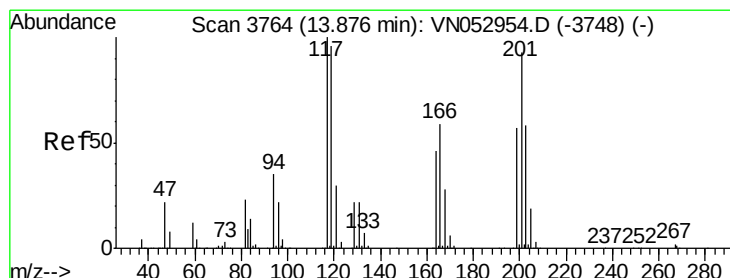
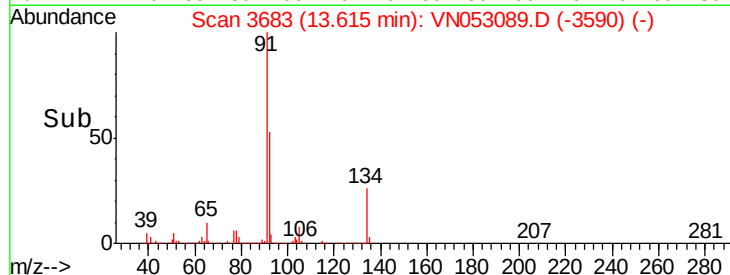
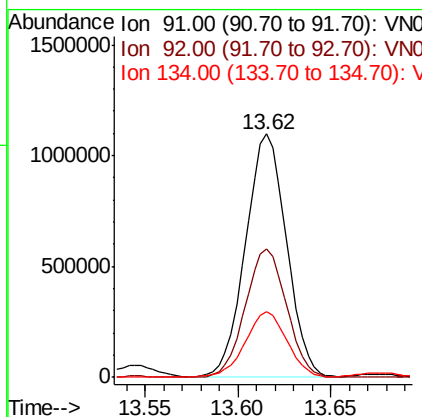
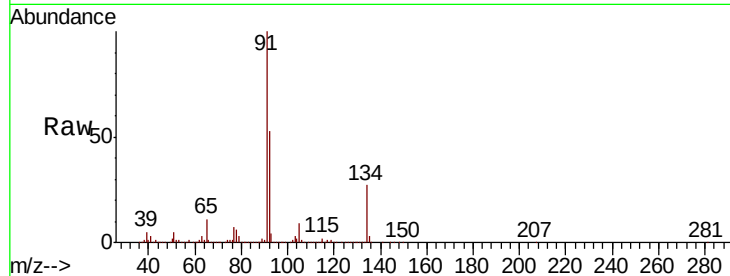
#89
n-Butylbenzene
Concen: 45.494 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.9
134	28.0	13.3	39.8

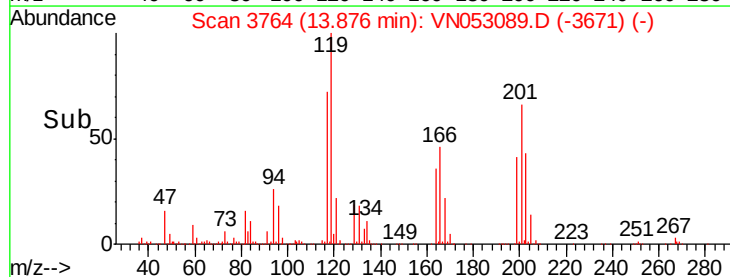
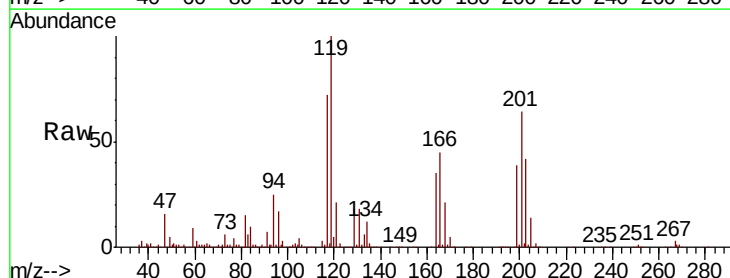
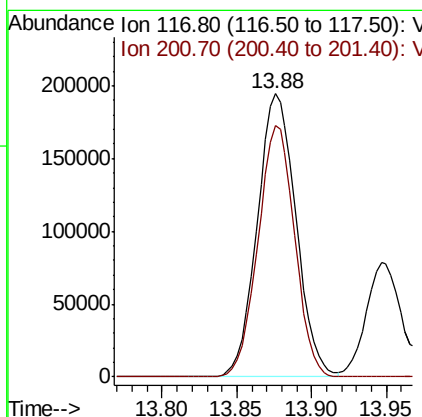
Manual Integrations
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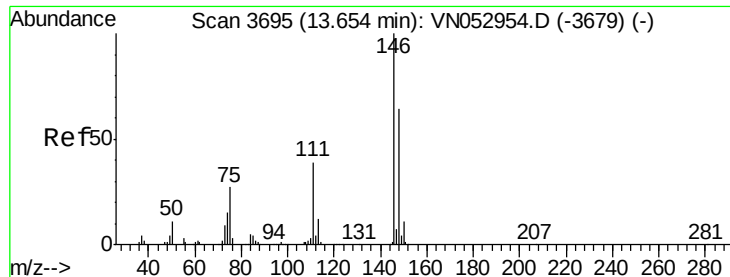
MMDadoda
12/21/2018 11:31:59 AM



#90
Hexachloroethane
Concen: 53.050 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053089.D
Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	45.7	137.1





#91

1,2-Dichlorobenzene

Concen: 48.797 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-13-8.0-122018MSD

Tot Ion:146 Resp: 1072317

Ion Ratio Lower Upper

146 100

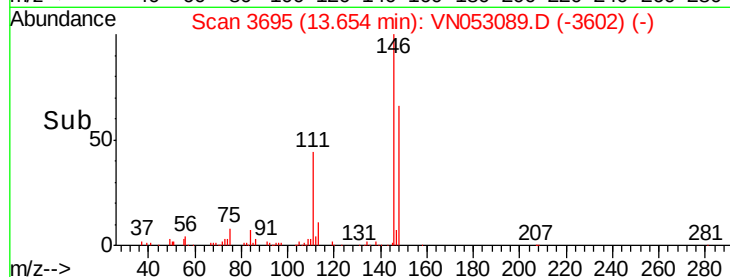
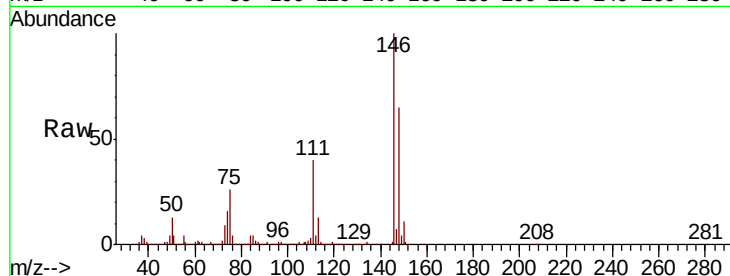
111 39.5 19.7 59.0

148 64.6 32.0 96.0

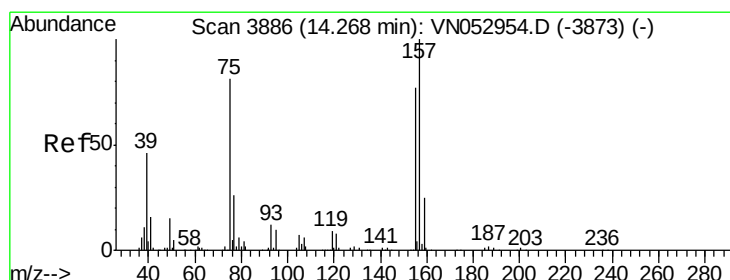
Manual Integrations
APPROVED

MMDadoda

12/21/2018 11:31:59 AM



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.659 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

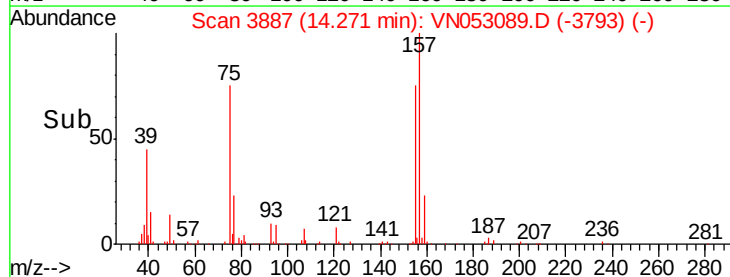
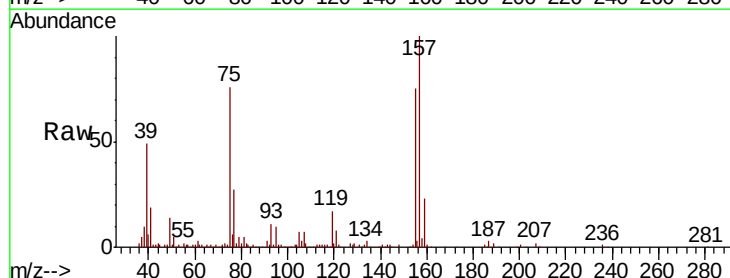
Tgt Ion: 75 Resp: 85493

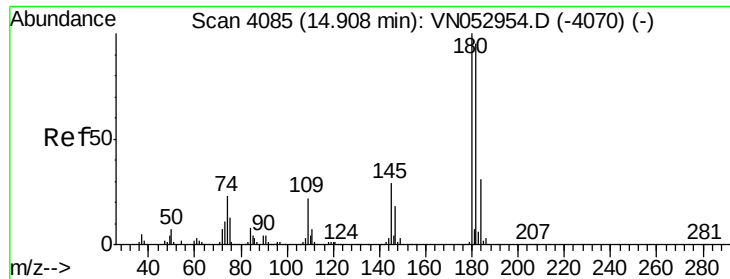
Ion Ratio Lower Upper

75 100

155 97.6 48.2 144.6

157 128.9 61.2 183.5





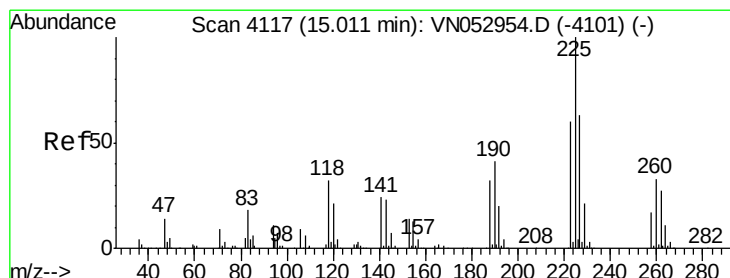
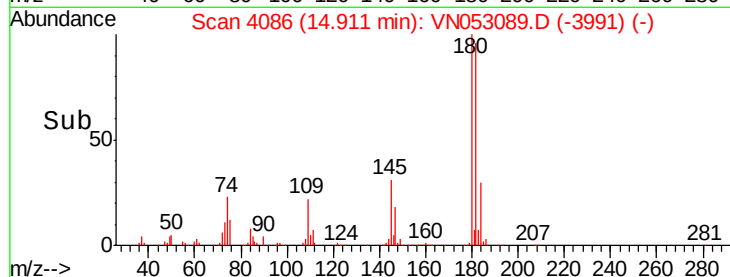
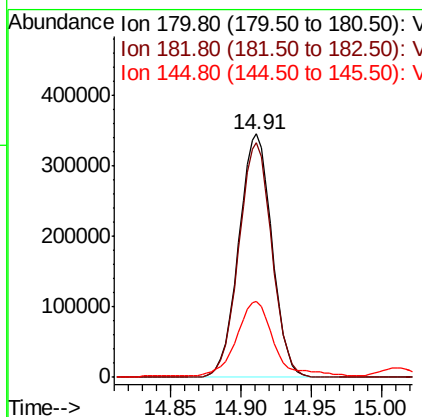
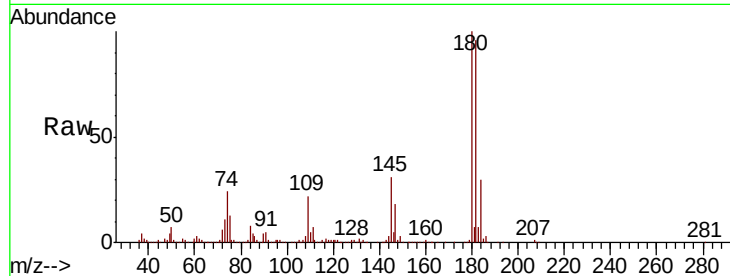
#93
 1,2,4-Trichlorobenzene
 Concen: 48.802 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-13-8.0-122018MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	568011		
182	96.0	47.8	143.3	
145	34.6	14.2	42.6	

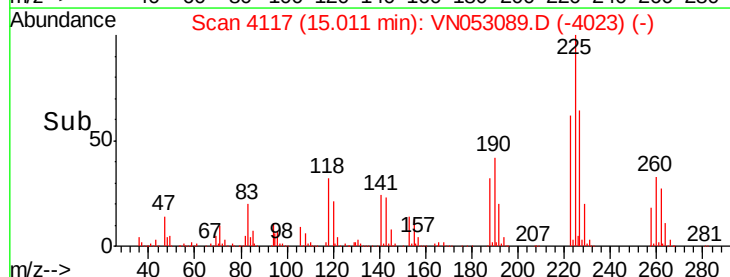
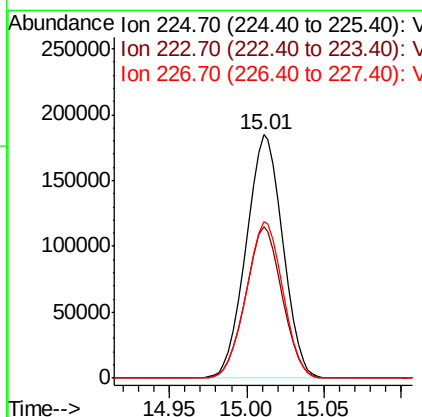
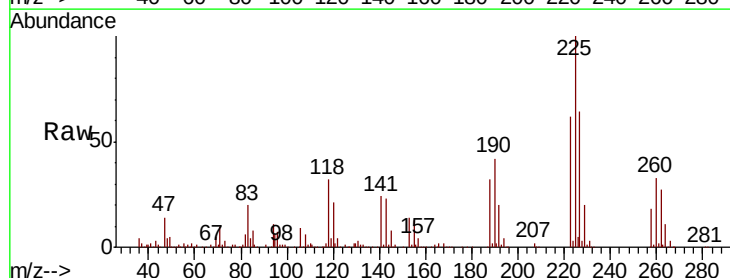
Manual Integrations
 APPROVED

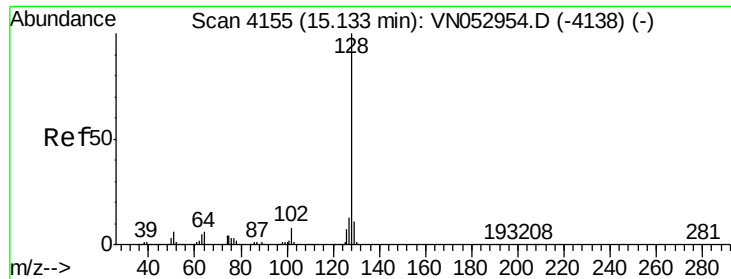
MMDadoda
 12/21/2018 11:31:59 AM



#94
 Hexachlorobutadiene
 Concen: 50.671 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053089.D
 Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	305226		
223	61.7	31.5	94.5	
227	64.1	31.9	95.7	





#95

Naphthalene

Concen: 60.497 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Instrument :

MSVOA_N

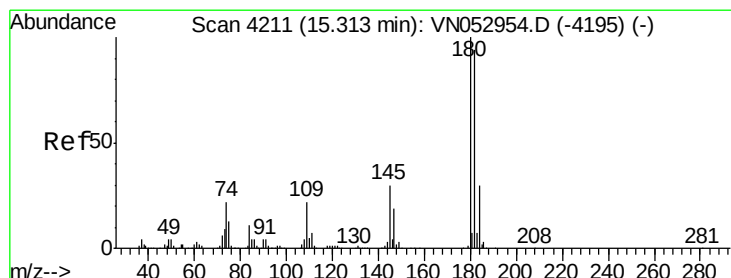
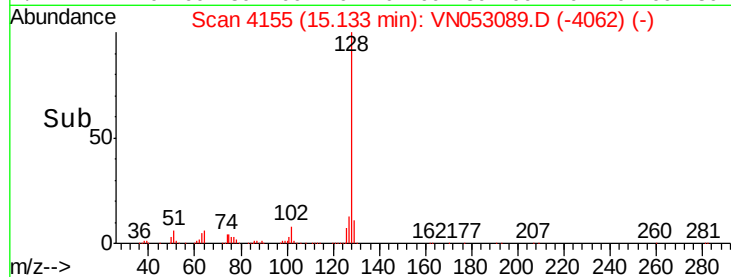
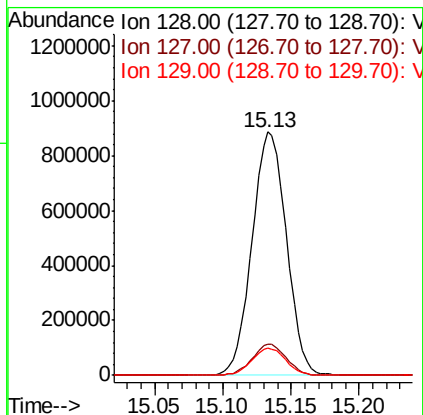
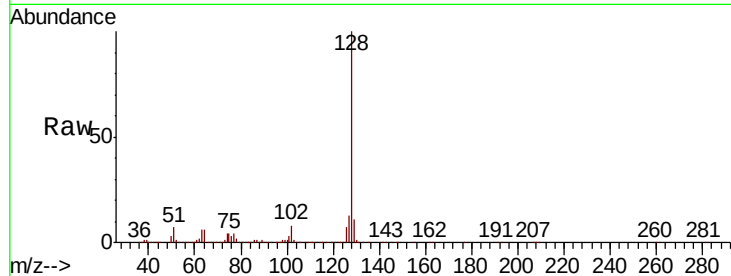
ClientSampleId :

T11-MW-13-8.0-122018MSD

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

Manual Integrations
APPROVED

MMDadoda
12/21/2018 11:31:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.961 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053089.D

Acq: 21 Dec 2018 6:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	34.1	15.0	45.0

