

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051344.D
 Acq On : 20 Sep 2018 17:17
 Operator : MD\SY
 Sample : VN0920WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:17 PM

Quant Time: Sep 21 06:56:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	715765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	975381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	863646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	430772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	365592	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
35) Dibromofluoromethane	7.59	113	366603	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	10.09	98	1386056	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
62) 4-Bromofluorobenzene	12.40	95	432550	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	117145	19.585	ug/l	99
3) Chloromethane	2.06	50	153040	18.035	ug/l	99
4) Vinyl Chloride	2.18	62	168398	19.973	ug/l	99
5) Bromomethane	2.57	94	123515	21.002	ug/l	100
6) Chloroethane	2.70	64	102467	19.776	ug/l	97
7) Trichlorofluoromethane	3.02	101	236284	19.603	ug/l	98
8) Diethyl Ether	3.41	74	77782	20.168	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147563	19.952	ug/l	97
10) Methyl Iodide	3.95	142	209339	19.125	ug/l	100
11) Tert butyl alcohol	4.78	59	40408	98.247	ug/l	97
12) 1,1-Dichloroethene	3.74	96	130528	19.495	ug/l	99
13) Acrolein	3.61	56	49601	105.368	ug/l	97
14) Allyl chloride	4.32	41	187017	19.818	ug/l	99
15) Acrylonitrile	4.99	53	202452	97.131	ug/l	99
16) Acetone	3.82	43	140559	88.199	ug/l	99
17) Carbon Disulfide	4.05	76	395890	19.624	ug/l	97
18) Methyl Acetate	4.33	43	91707	16.746	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	334318	20.632	ug/l	99
20) Methylene Chloride	4.55	84	152138	19.078	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	143046	20.229	ug/l	97
22) Diisopropyl ether	5.95	45	399784	21.447	ug/l	99
23) Vinyl Acetate	5.90	43	1248989	103.586	ug/l	100
24) 1,1-Dichloroethane	5.85	63	253478	19.948	ug/l	99
25) 2-Butanone	6.84	43	212727	95.972	ug/l	97
26) 2,2-Dichloropropane	6.83	77	208038	19.814	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158663	20.248	ug/l	100
28) Bromochloromethane	7.19	49	101126	19.202	ug/l	97
29) Tetrahydrofuran	7.21	42	141336	100.647	ug/l	99
30) Chloroform	7.37	83	259597	19.440	ug/l	97
31) Cyclohexane	7.65	56	226647	18.128	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	230168	20.004	ug/l	100
36) 1,1-Dichloropropene	7.79	75	201311	20.177	ug/l	99
37) Ethyl Acetate	6.93	43	98790	20.001	ug/l #	93
38) Carbon Tetrachloride	7.77	117	210340	19.488	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051344.D
 Acq On : 20 Sep 2018 17:17
 Operator : MD\SY
 Sample : VN0920WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:17 PM

Quant Time: Sep 21 06:56:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	238024	20.442	ug/l	98
40) Benzene	8.04	78	605702	20.149	ug/l	98
41) Methacrylonitrile	7.18	41	56502	21.958	ug/l	87
42) 1,2-Dichloroethane	8.12	62	178312	19.636	ug/l	100
43) Isopropyl Acetate	8.17	43	177781	20.552	ug/l	99
44) Trichloroethene	8.83	130	167829	19.448	ug/l	100
45) 1,2-Dichloropropane	9.12	63	156085	20.290	ug/l	98
46) Dibromomethane	9.21	93	92651	19.538	ug/l	97
47) Bromodichloromethane	9.40	83	196002	19.377	ug/l	100
48) Methyl methacrylate	9.20	41	85067	19.290	ug/l	98
49) 1,4-Dioxane	9.20	88	25219	386.700	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	479267	103.001	ug/l	100
52) Toluene	10.16	92	378848	20.466	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	189924	19.556	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	228680	20.336	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	130476	18.792	ug/l	100
56) Ethyl methacrylate	10.43	69	148245	20.214	ug/l	99
57) 1,3-Dichloropropane	10.71	76	219740	20.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	376623	104.448	ug/l	100
59) 2-Hexanone	10.75	43	295608	94.233	ug/l	99
60) Dibromochloromethane	10.90	129	155286	19.179	ug/l	100
61) 1,2-Dibromoethane	11.00	107	128642	19.272	ug/l	99
64) Tetrachloroethene	10.63	164	158446	21.038	ug/l	98
65) Chlorobenzene	11.43	112	417894	20.253	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	160776	20.468	ug/l	99
67) Ethyl Benzene	11.51	91	672628	20.838	ug/l	98
68) m/p-Xylenes	11.62	106	542759	42.800	ug/l	99
69) o-Xylene	11.95	106	257322	21.049	ug/l	100
70) Styrene	11.96	104	400966	21.131	ug/l	100
71) Bromoform	12.13	173	103340	19.385	ug/l #	100
73) Isopropylbenzene	12.25	105	685846	21.724	ug/l	100
74) N-amyl acetate	12.07	43	131010	19.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	150508	19.317	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127553m	20.505	ug/l	
77) Bromobenzene	12.53	156	178090	20.417	ug/l	98
78) n-propylbenzene	12.59	91	757291	22.002	ug/l	99
79) 2-Chlorotoluene	12.67	91	452065	21.312	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	577245	22.554	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	37779	21.025	ug/l	99
82) 4-Chlorotoluene	12.77	91	445353	21.602	ug/l	99
83) tert-Butylbenzene	12.99	119	508249	22.186	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	576494	22.694	ug/l	100
85) sec-Butylbenzene	13.17	105	668059	21.929	ug/l	100
86) p-Isopropyltoluene	13.29	119	590501	22.272	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	299405	20.421	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286450	20.154	ug/l	98
89) n-Butylbenzene	13.61	91	439976	21.348	ug/l	99
90) Hexachloroethane	13.87	117	110199	19.408	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	294762	20.811	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19808	19.195	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
Data File : VN051344.D
Acq On : 20 Sep 2018 17:17
Operator : MD\SY
Sample : VN0920WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

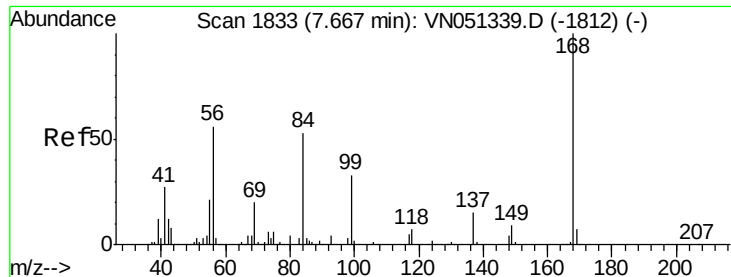
Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM

Quant Time: Sep 21 06:56:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 03:27:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131585	20.266	ug/l	98
94) Hexachlorobutadiene	15.01	225	119045	21.658	ug/l	95
95) Naphthalene	15.13	128	213657	18.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	134544	20.827	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion:168 Resp: 715765

Ion Ratio Lower Upper

168 100

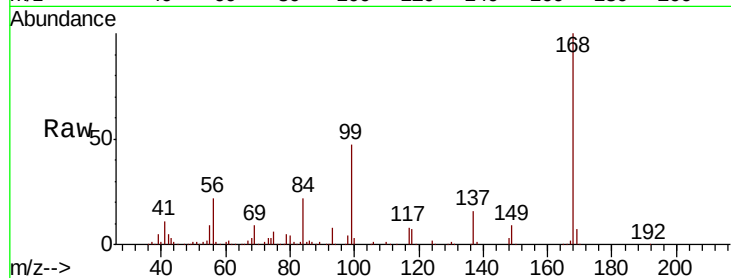
99 46.3 37.1 55.7

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

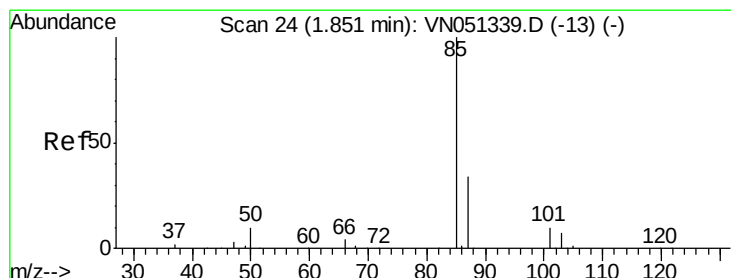
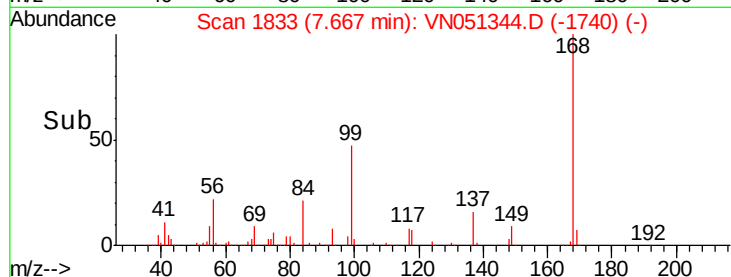
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.585 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051344.D

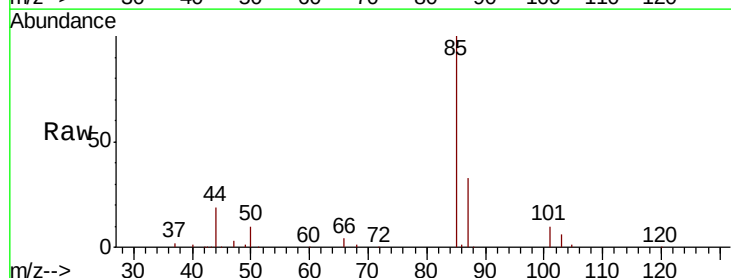
Acq: 20 Sep 2018 17:17

Tgt Ion: 85 Resp: 117145

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

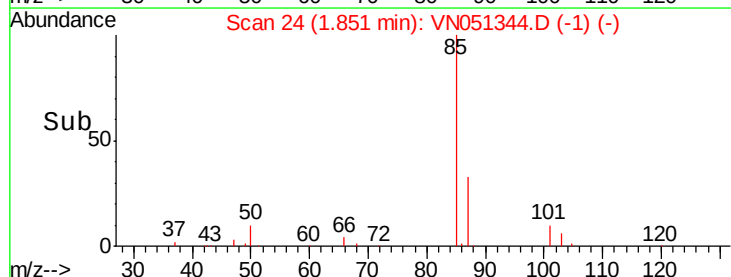
40000

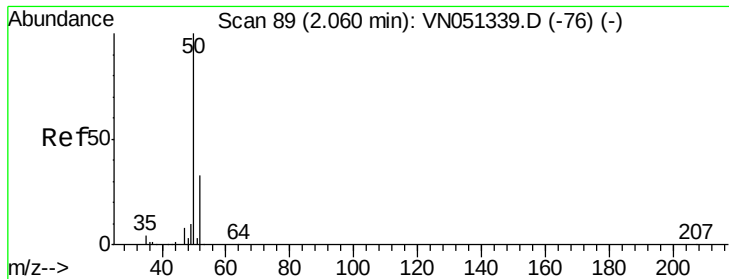
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.035 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion: 50 Resp: 153040

Ion Ratio Lower Upper

50 100

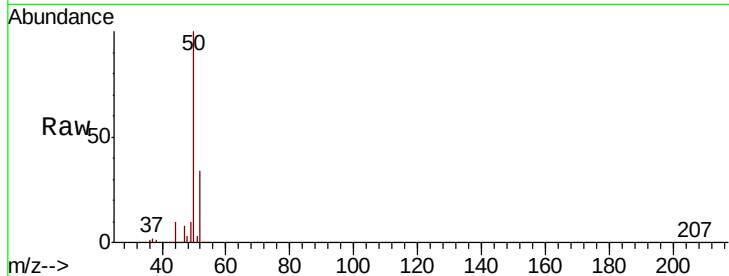
52 33.7 26.7 40.1

Manual Integrations

APPROVED

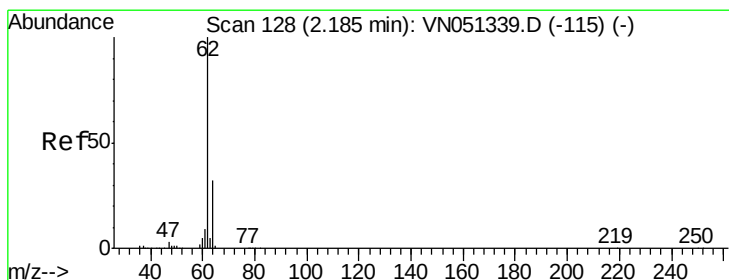
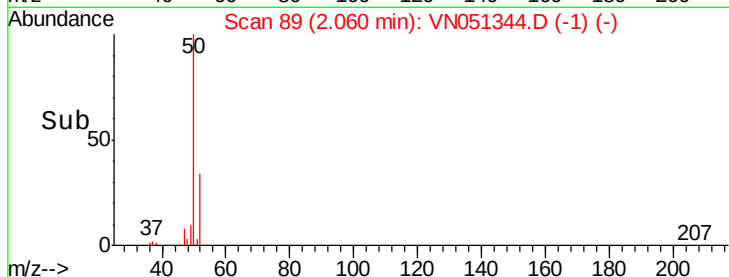
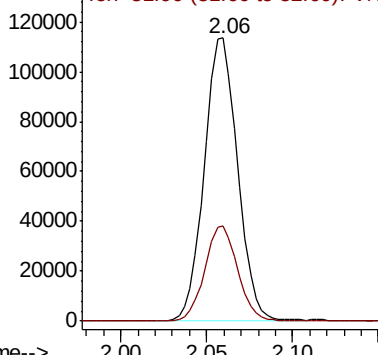
MMDadoda

9/24/2018 2:48:17 PM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.973 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051344.D

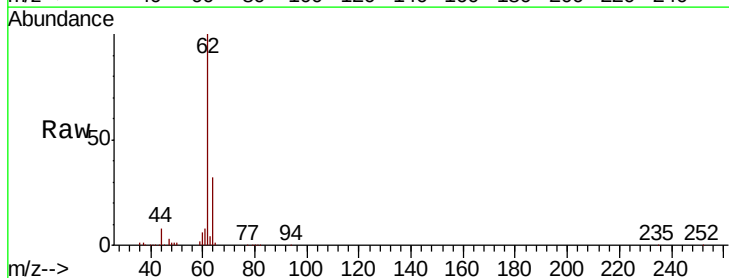
Acq: 20 Sep 2018 17:17

Tgt Ion: 62 Resp: 168398

Ion Ratio Lower Upper

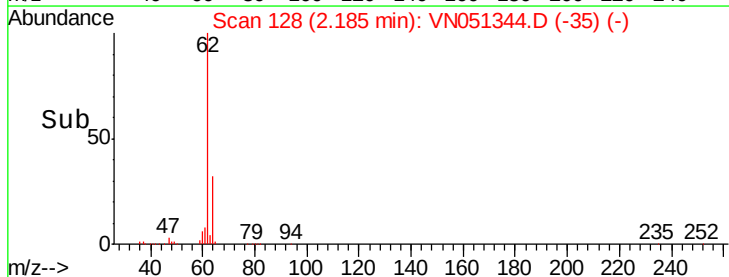
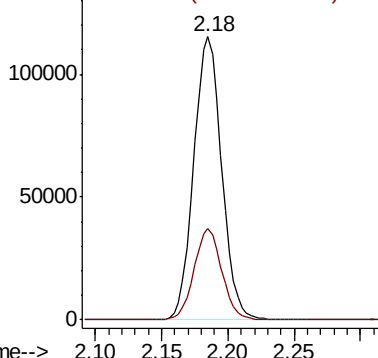
62 100

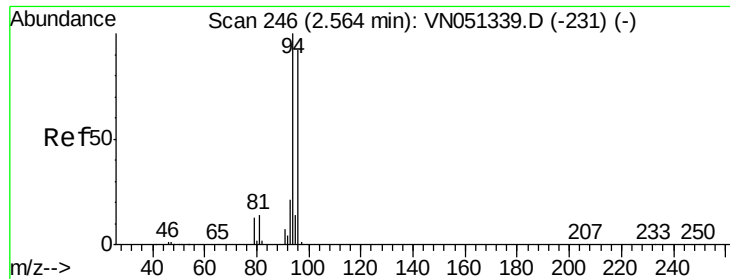
64 32.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 21.002 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion: 94 Resp: 123515

Ion Ratio Lower Upper

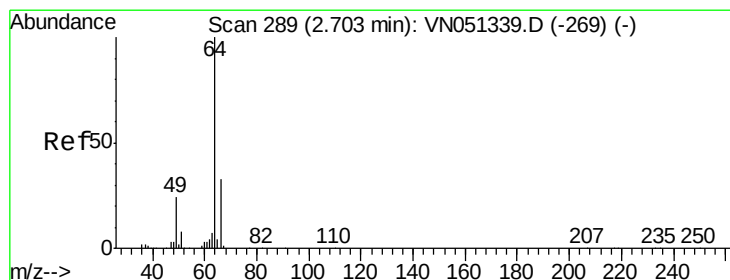
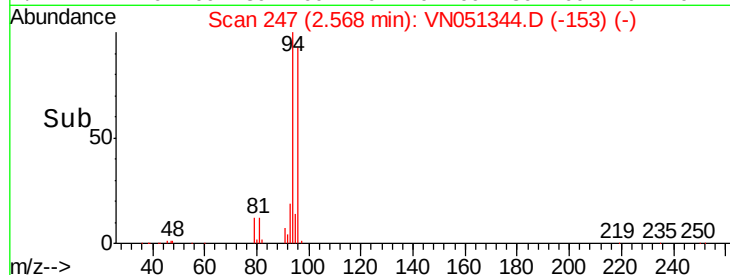
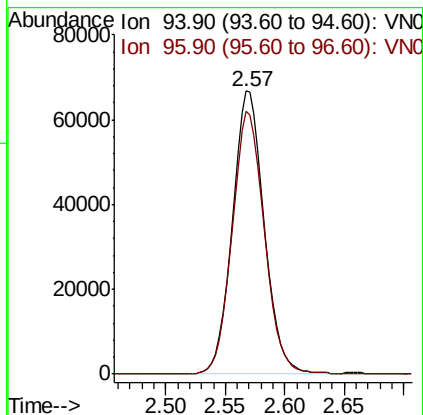
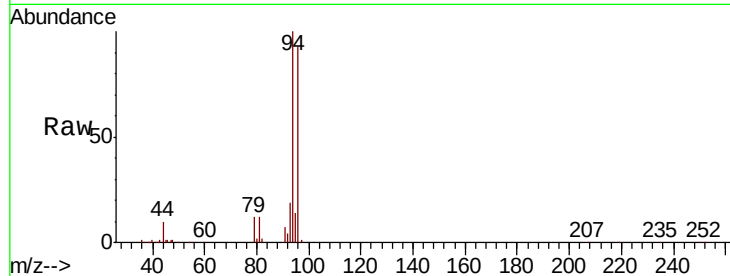
94 100

96 92.7 73.8 110.8

Manual Integrations
APPROVED

MMDadoda

9/24/2018 2:48:17 PM



#6

Chloroethane

Concen: 19.776 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051344.D

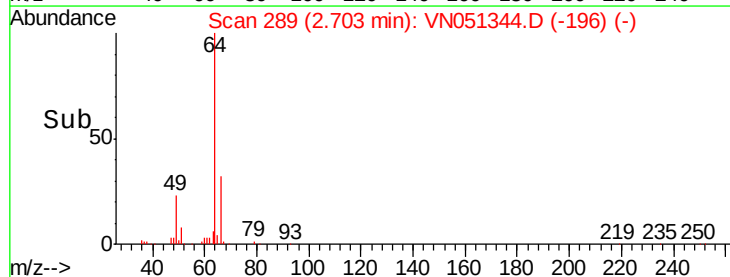
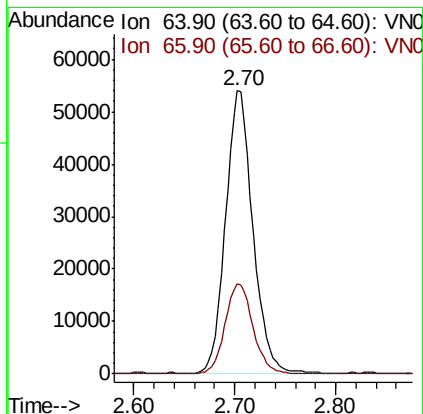
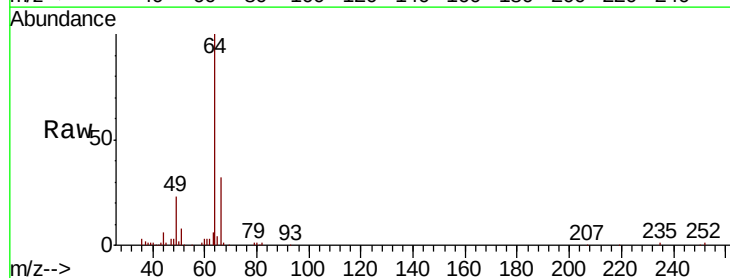
Acq: 20 Sep 2018 17:17

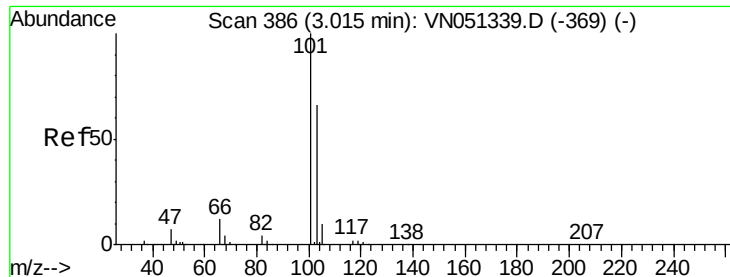
Tgt Ion: 64 Resp: 102467

Ion Ratio Lower Upper

64 100

66 31.6 26.6 39.8





#7

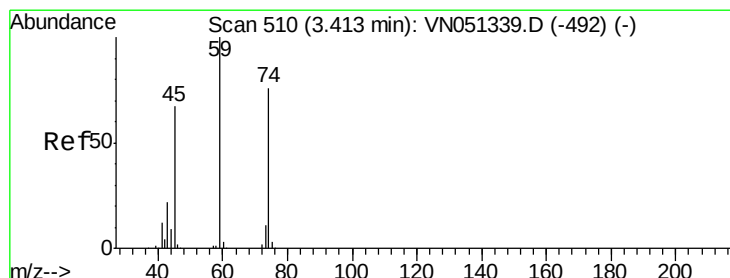
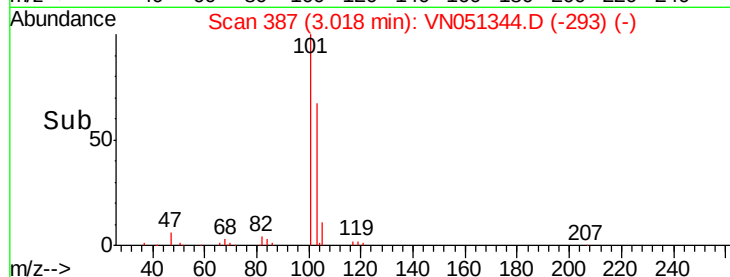
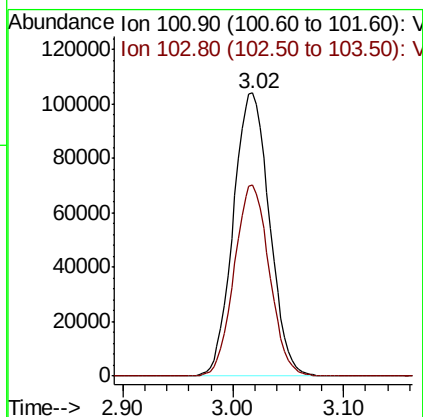
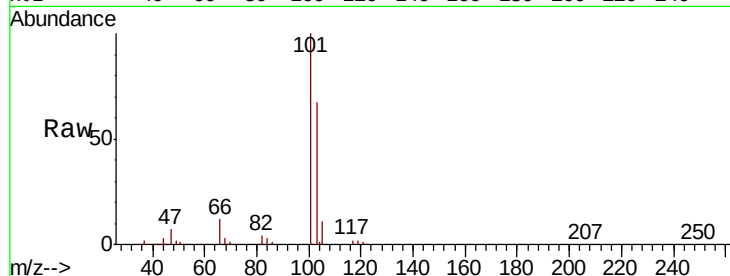
Trichlorofluoromethane
 Concen: 19.603 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.7	79.1

Manual Integrations
 APPROVED

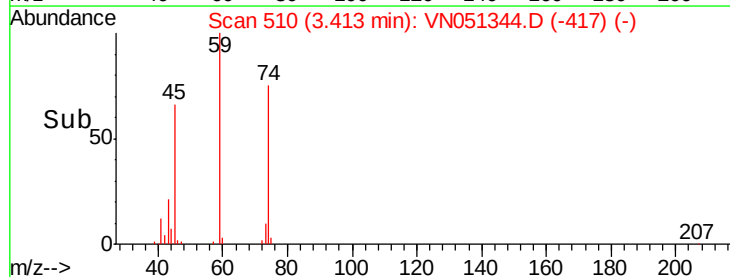
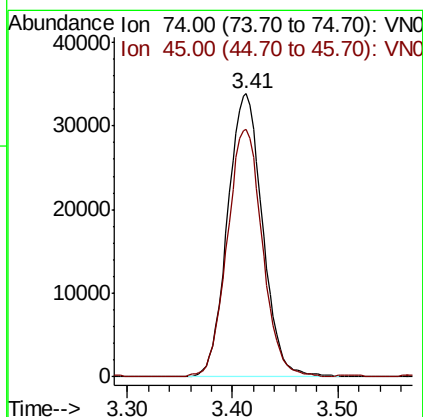
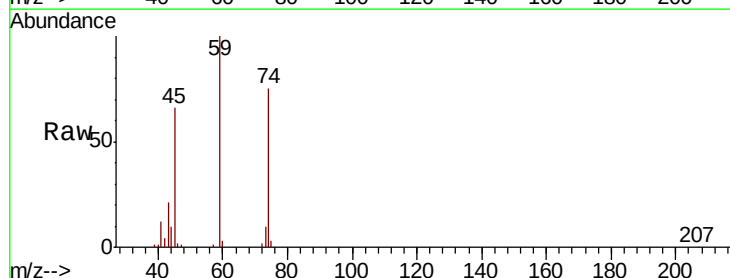
MMDadoda
 9/24/2018 2:48:17 PM

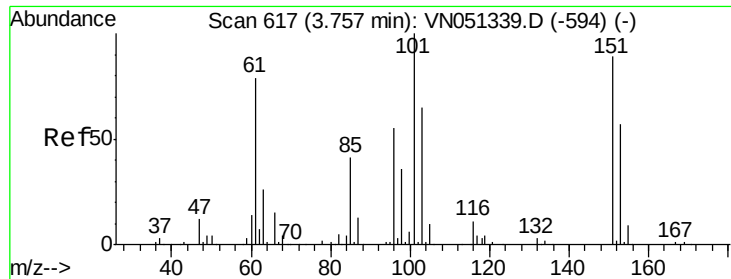


#8

Diethyl Ether
 Concen: 20.168 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.1	44.1	132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.952 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

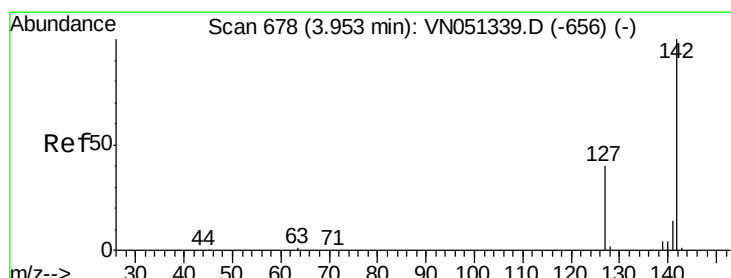
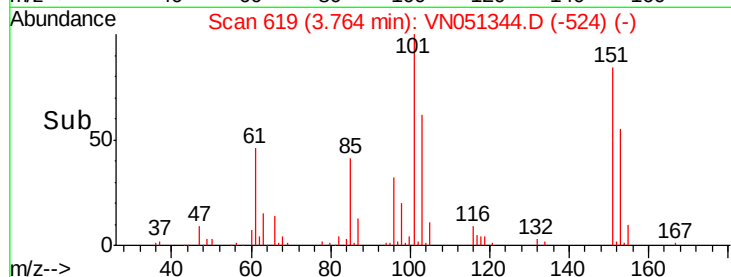
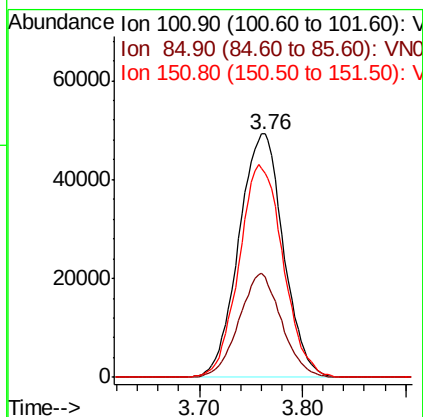
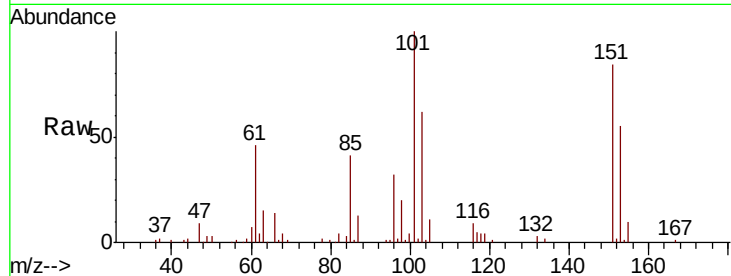
ClientSampleId :

VN0920WBS01

Tot Ion:	101	Resp:	147563
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.4	50.2
151	86.4	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM



#10

Methyl Iodide

Concen: 19.125 ug/l

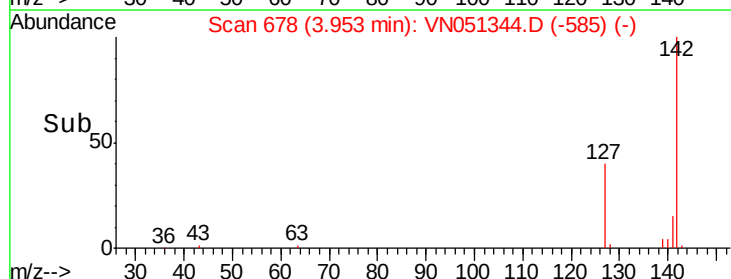
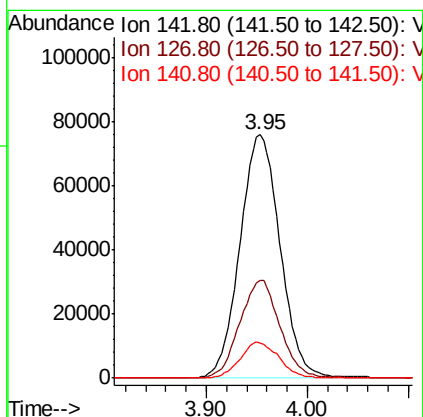
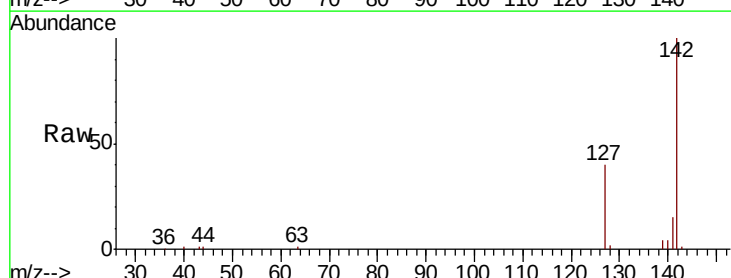
RT: 3.95 min Scan# 678

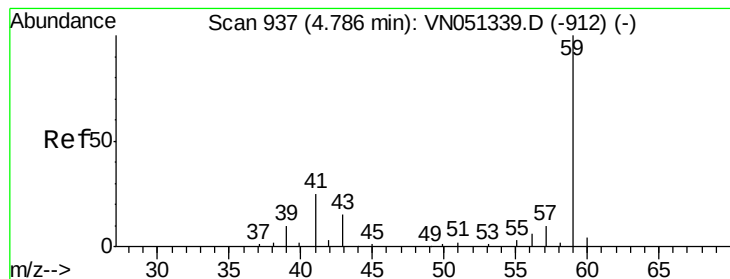
Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Tgt Ion:	142	Resp:	209339
Ion Ratio	Lower	Upper	
142	100		
127	40.1	31.9	47.9
141	14.2	11.4	17.0





#11

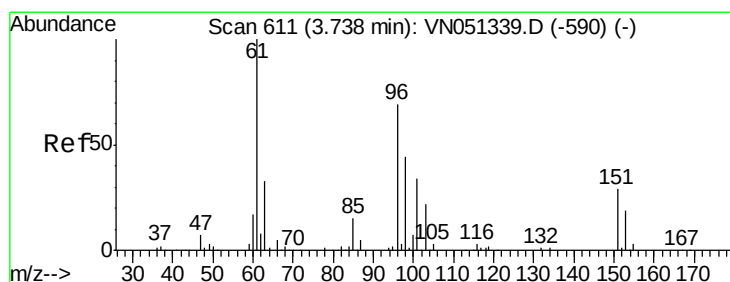
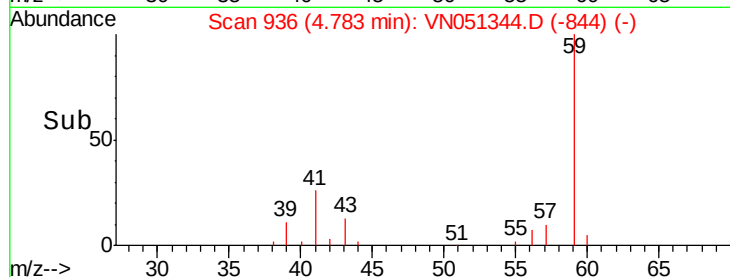
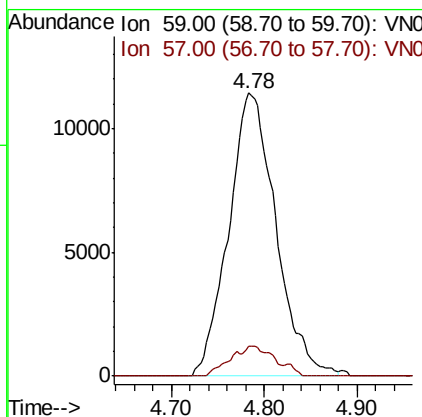
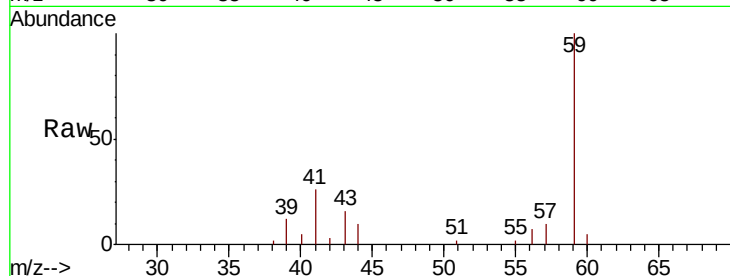
Tert butyl alcohol
 Concen: 98.247 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.3	12.5

Manual Integrations
 APPROVED

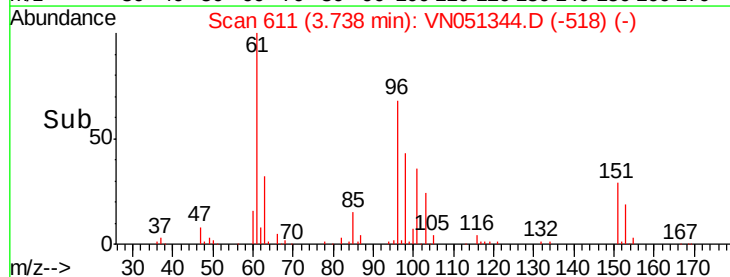
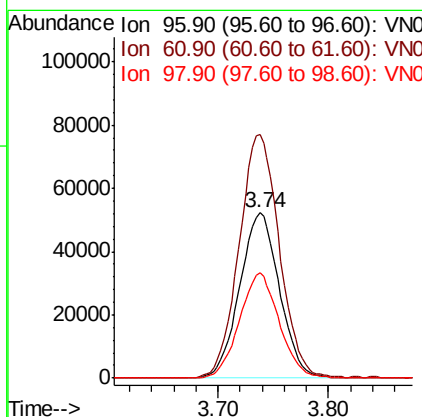
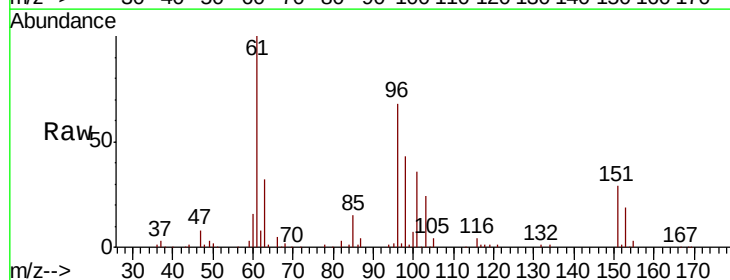
MMDadoda
 9/24/2018 2:48:17 PM

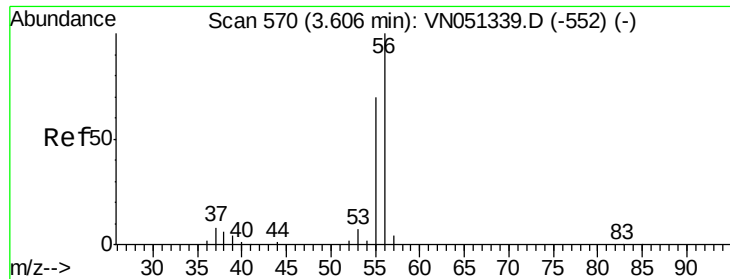


#12

1,1-Dichloroethene
 Concen: 19.495 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.5	116.4	174.6
98	63.6	50.9	76.3





#13

Acrolein

Concen: 105.368 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion: 56 Resp: 49601

Ion Ratio Lower Upper

56 100

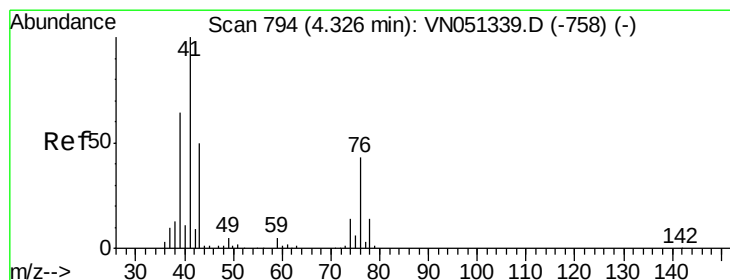
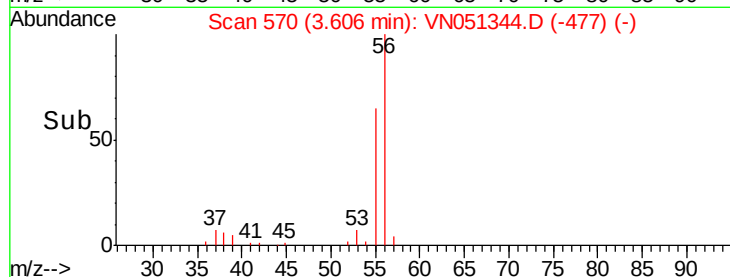
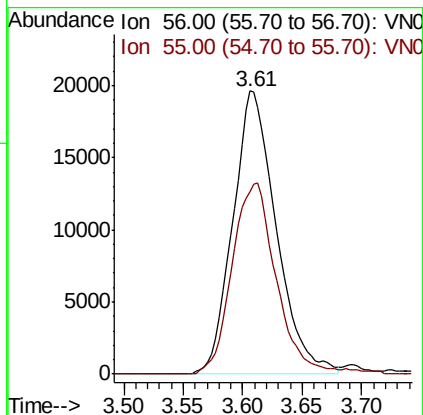
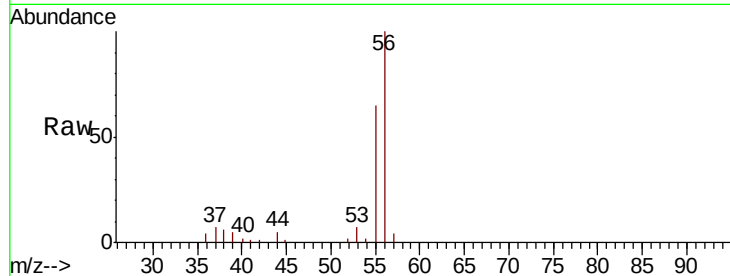
55 68.2 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



#14

Allyl chloride

Concen: 19.818 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

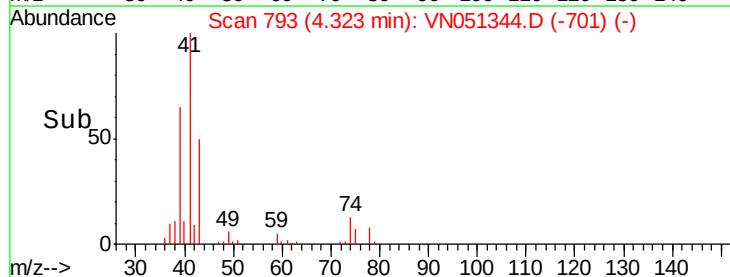
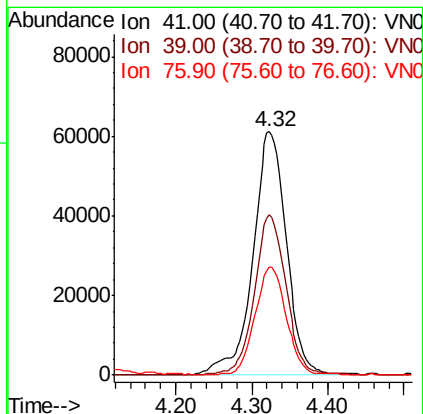
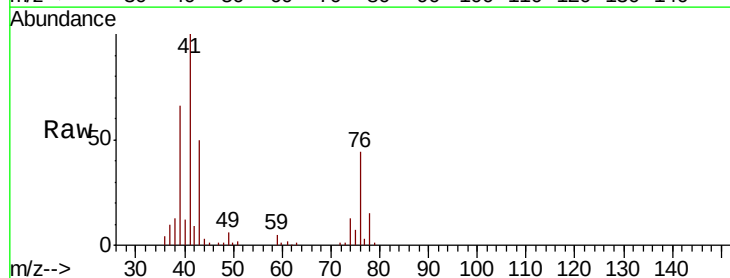
Tgt Ion: 41 Resp: 187017

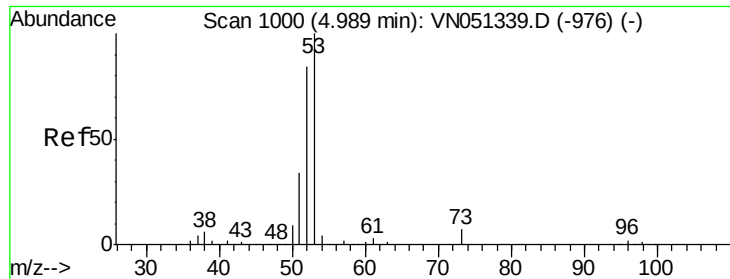
Ion Ratio Lower Upper

41 100

39 62.5 50.4 75.6

76 40.3 32.4 48.6





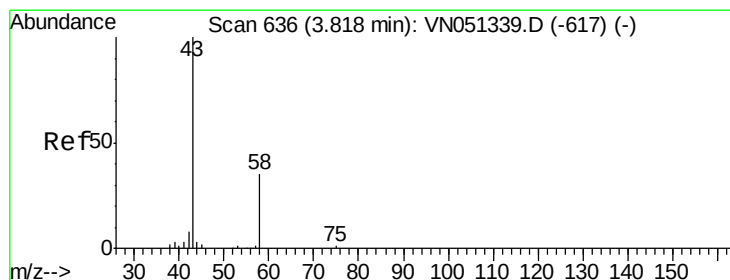
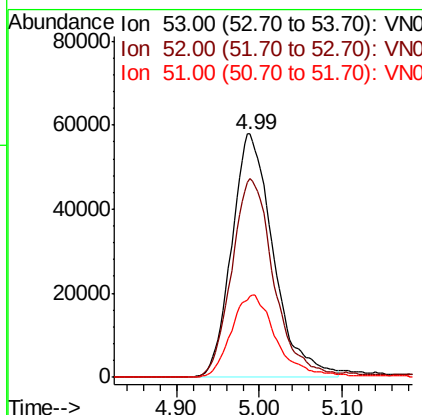
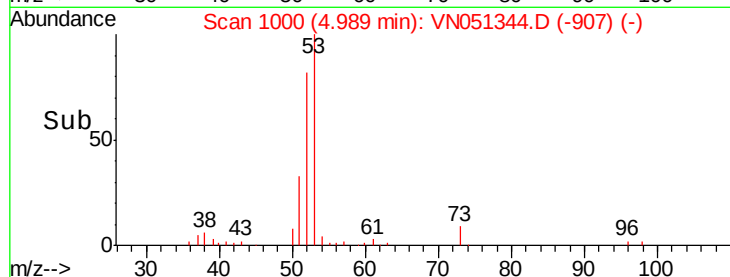
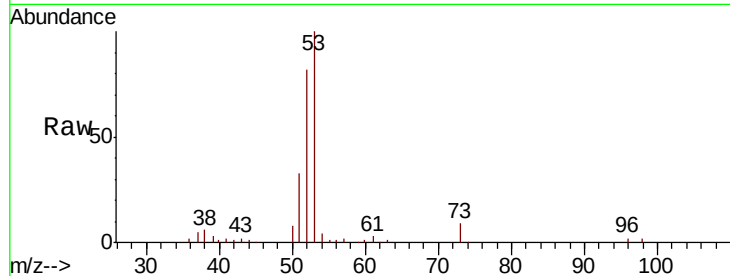
#15
 Acrylonitrile
 Concen: 97.131 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion:	53	Resp:	202452
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.4	98.0
51	36.5	28.3	42.5

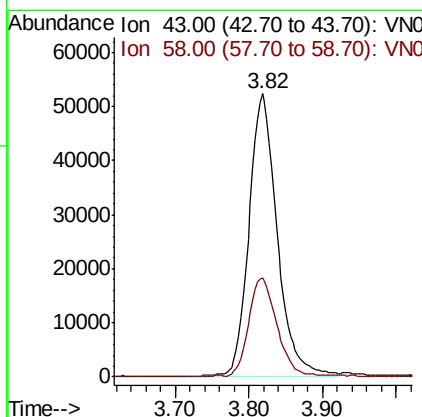
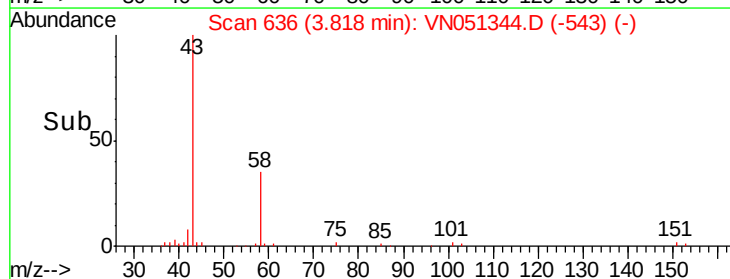
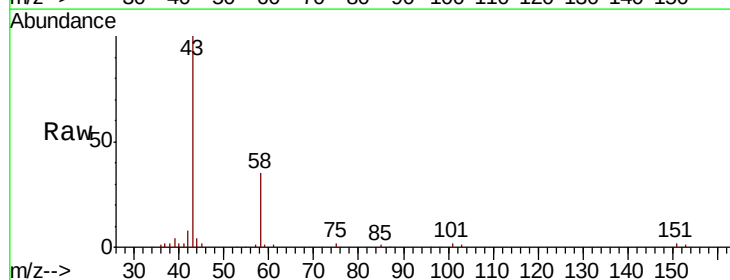
Manual Integrations
 APPROVED

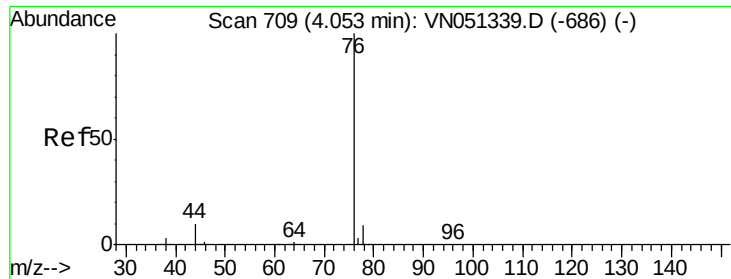
MMDadoda
 9/24/2018 2:48:17 PM



#16
 Acetone
 Concen: 88.199 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion:	43	Resp:	140559
Ion Ratio	Lower	Upper	
43	100		
58	34.8	28.3	42.5





#17

Carbon Disulfide

Concen: 19.624 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion: 76 Resp: 395890

Ion Ratio Lower Upper

76 100

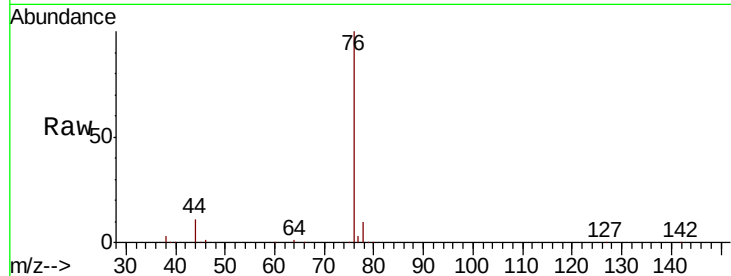
78 9.8 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

100000

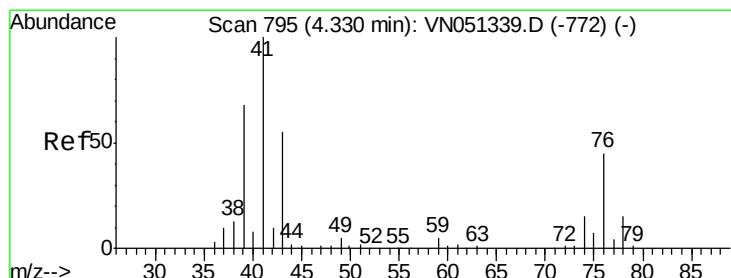
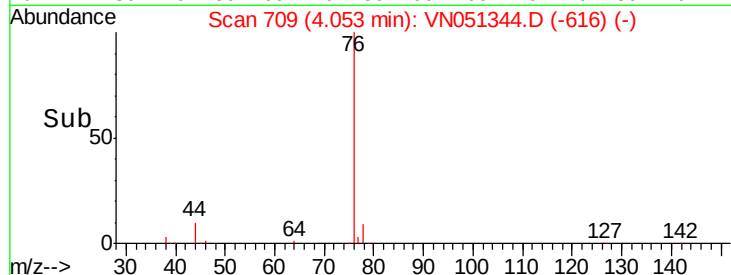
50000

0

4.05

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 16.746 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051344.D

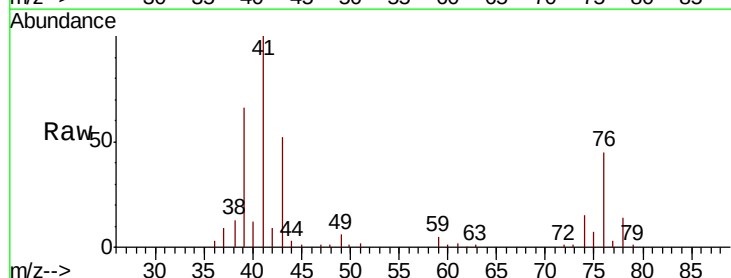
Acq: 20 Sep 2018 17:17

Tgt Ion: 43 Resp: 91707

Ion Ratio Lower Upper

43 100

74 26.9 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

30000

20000

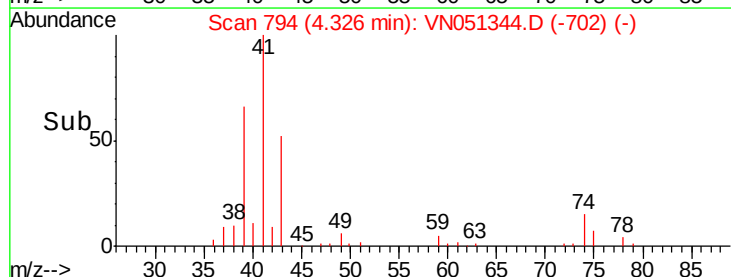
10000

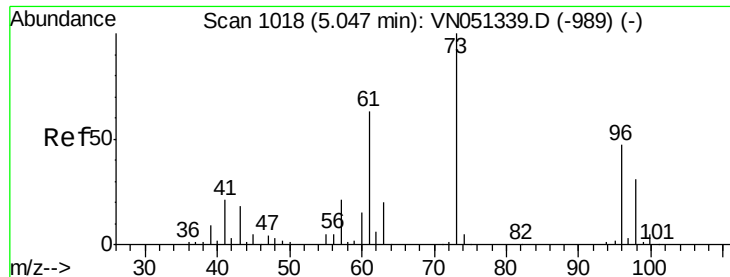
0

4.33

4.20 4.30 4.40

Time-->





#19

Methyl tert-butyl Ether

Concen: 20.632 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampled :

VN0920WBS01

Tot Ion: 73 Resp: 334318

Ion Ratio Lower Upper

73 100

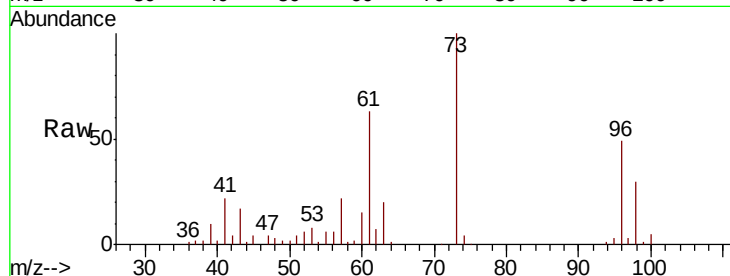
57 21.6 16.9 25.3

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



Abundance Ion 73.00 (72.70 to 73.70): VN051339.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN051339.D (-989) (-)

5.04

100000

80000

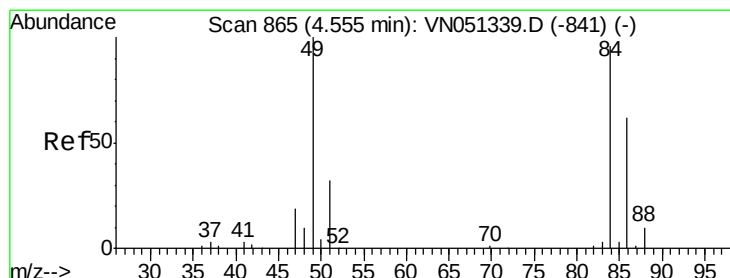
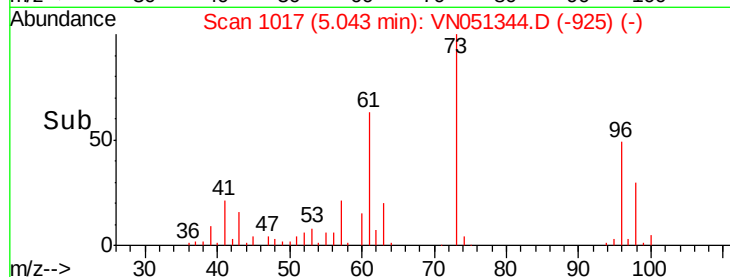
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 19.078 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Tgt Ion: 84 Resp: 152138

Ion Ratio Lower Upper

84 100

49 106.7 83.2 124.8

51 33.5 26.4 39.6

86 64.5 51.4 77.0

Abundance Ion 83.90 (83.60 to 84.60): VN051339.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN051339.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN051339.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN051339.D (-841) (-)

4.55

80000

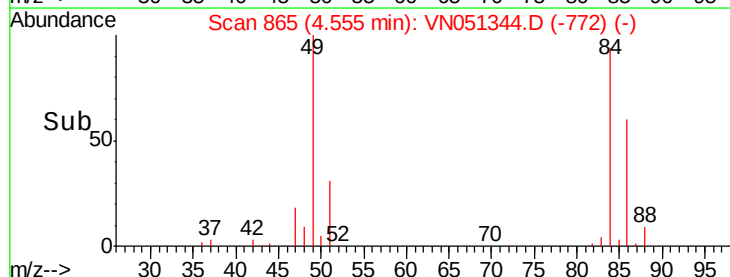
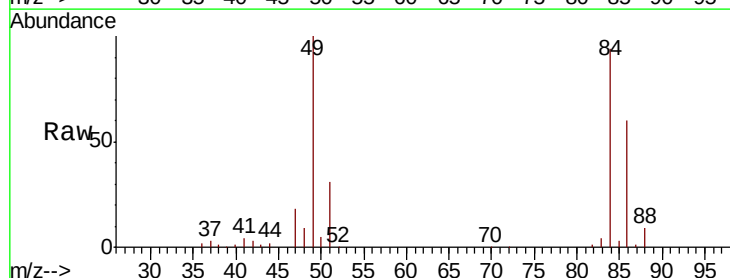
60000

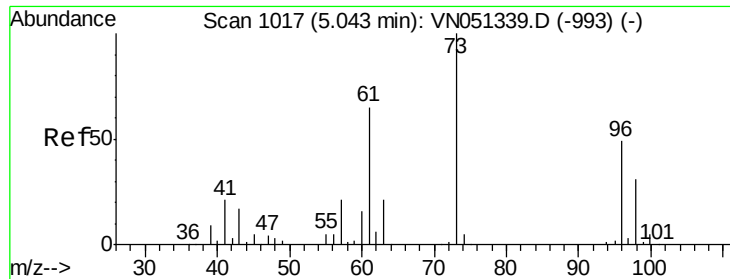
40000

20000

0

Time-->





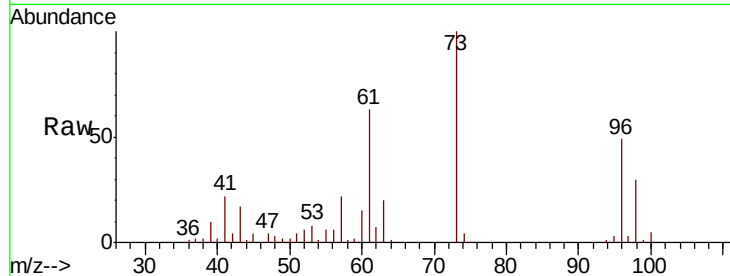
#21
trans-1,2-Dichloroethene
Concen: 20.229 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.1	106.2	159.4
98	62.2	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM

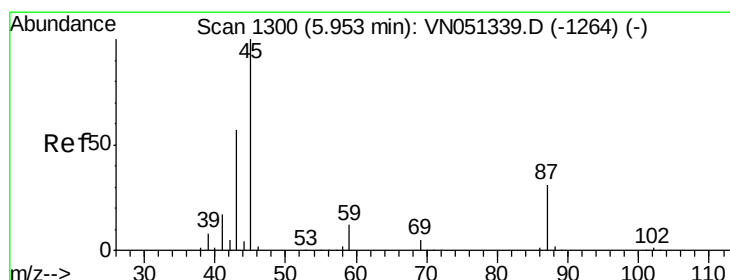
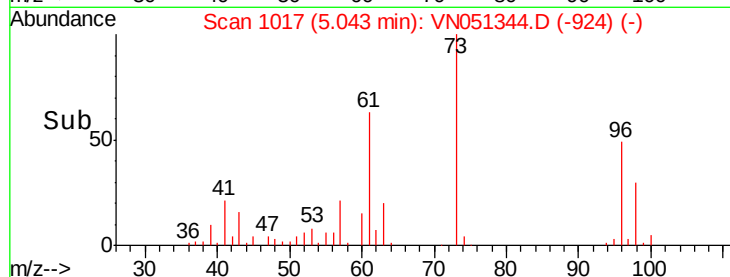
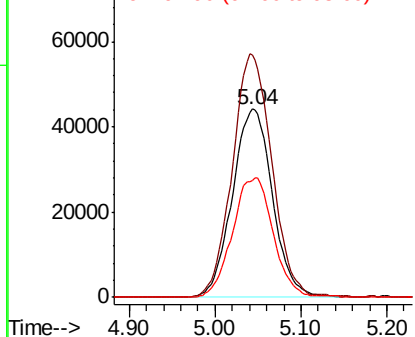


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 21.447 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.1	69.1
87	32.2	25.6	38.4
59	12.0	9.9	14.9

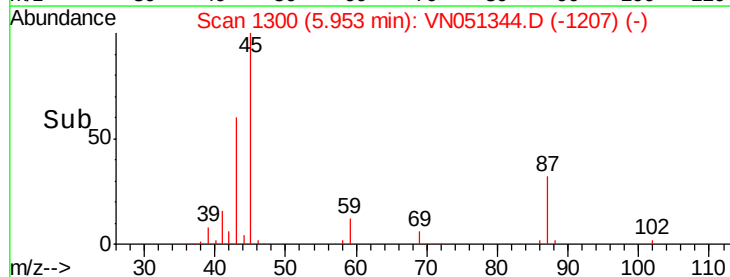
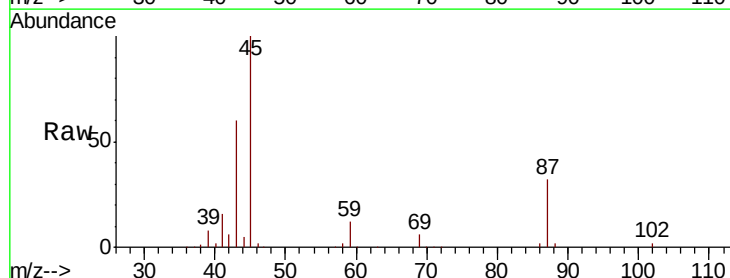
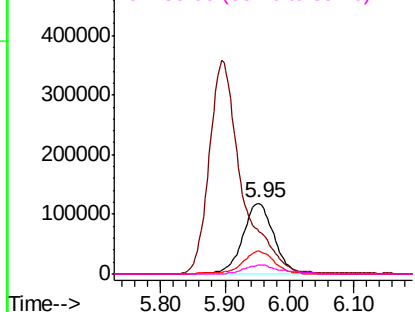
Abundance

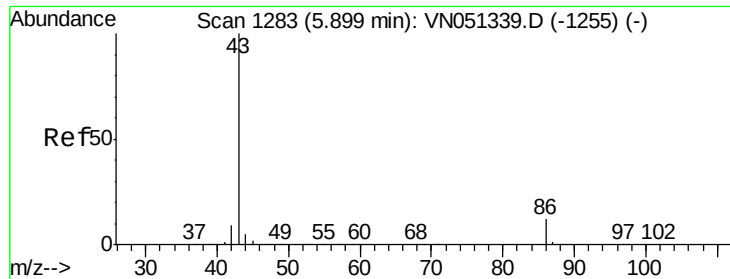
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





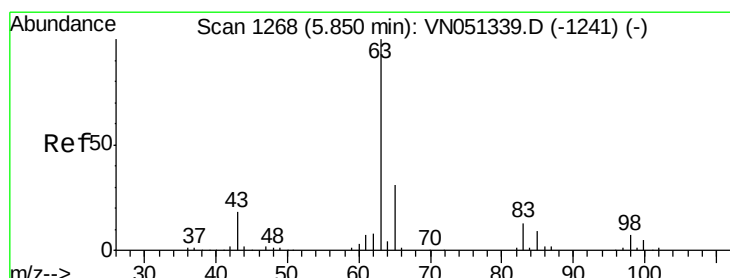
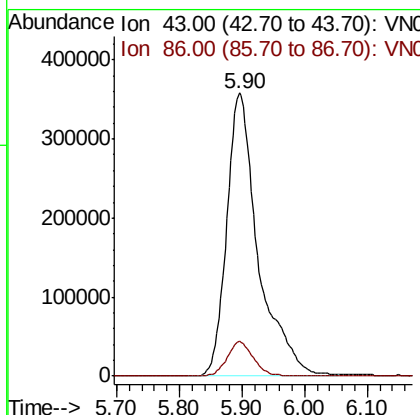
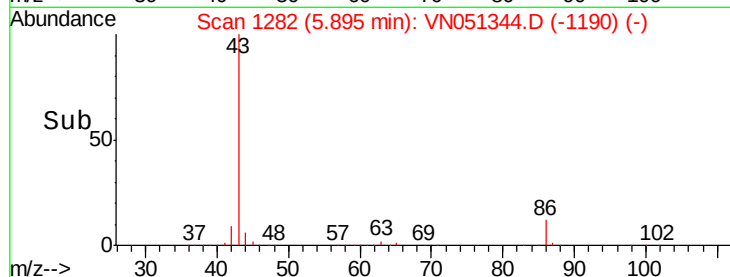
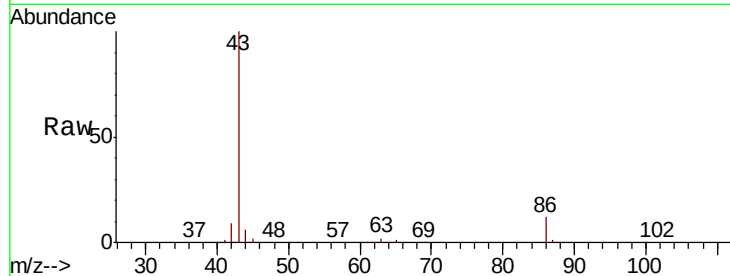
#23
 Vinyl Acetate
 Concen: 103.586 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion: 43 Resp: 1248989
 Ion Ratio Lower Upper
 43 100
 86 12.2 9.8 14.6

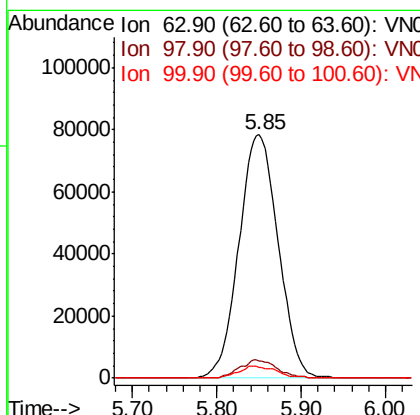
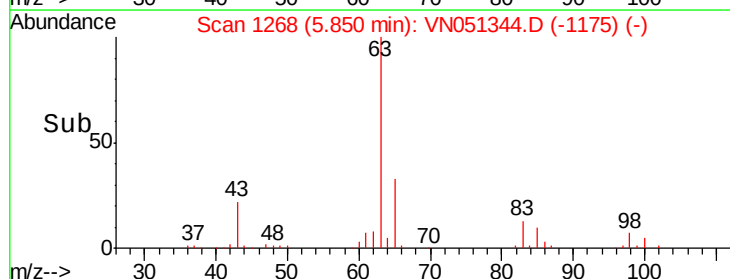
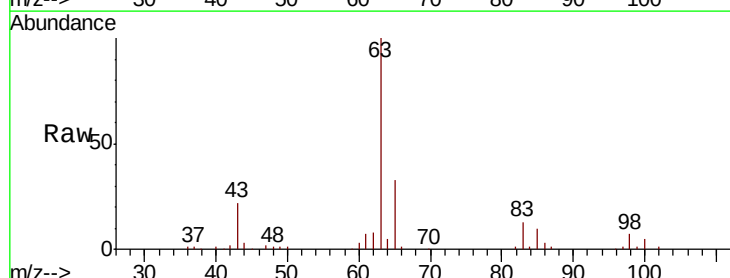
Manual Integrations
 APPROVED

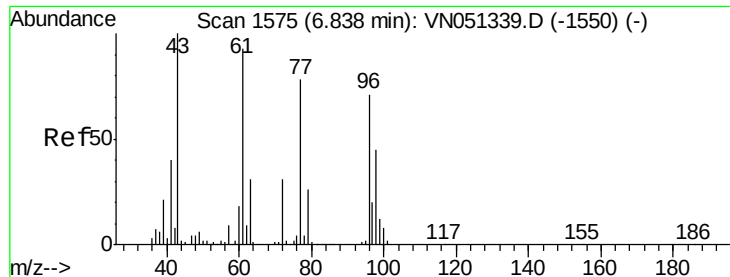
MMDadoda
 9/24/2018 2:48:17 PM



#24
 1,1-Dichloroethane
 Concen: 19.948 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion: 63 Resp: 253478
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.4 10.2
 100 4.5 2.3 6.9





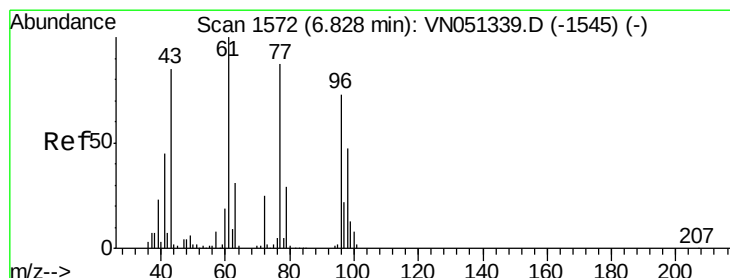
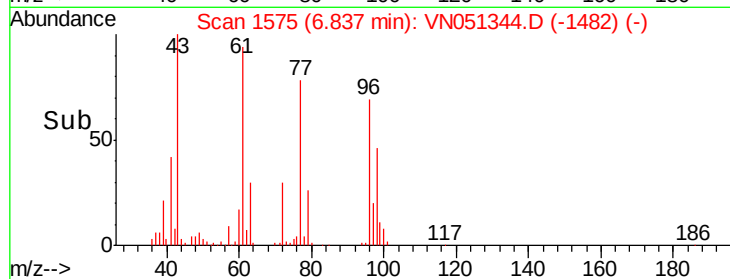
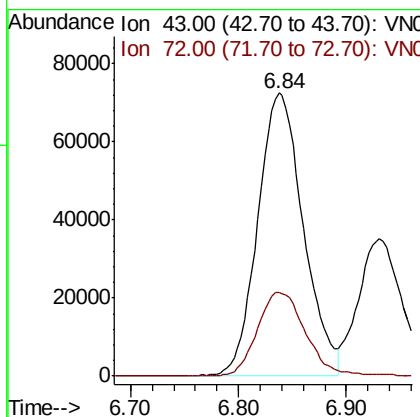
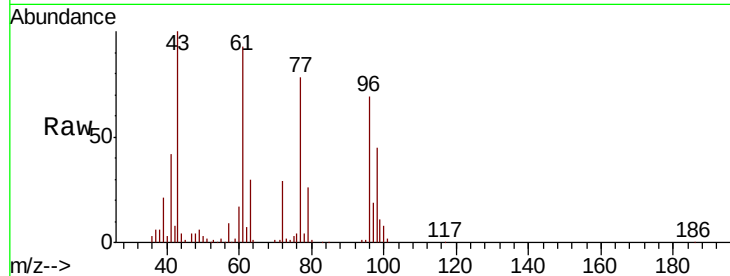
#25
2-Butanone
Concen: 95.972 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion: 43 Resp: 212727
Ion Ratio Lower Upper
43 100
72 29.5 24.7 37.1

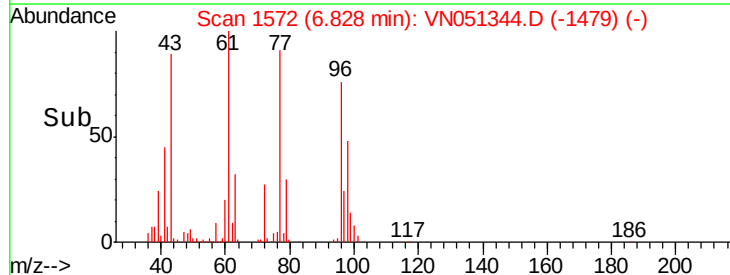
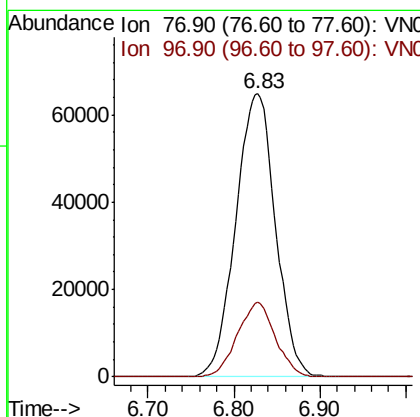
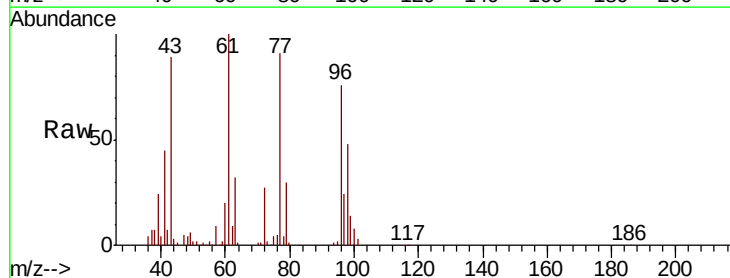
Manual Integrations
APPROVED

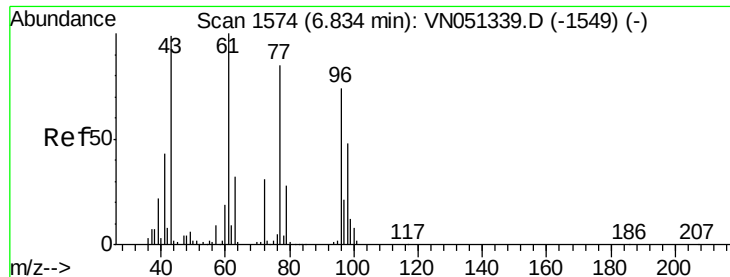
MMDadoda
9/24/2018 2:48:17 PM



#26
2,2-Dichloropropane
Concen: 19.814 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion: 77 Resp: 208038
Ion Ratio Lower Upper
77 100
97 25.1 12.2 36.6





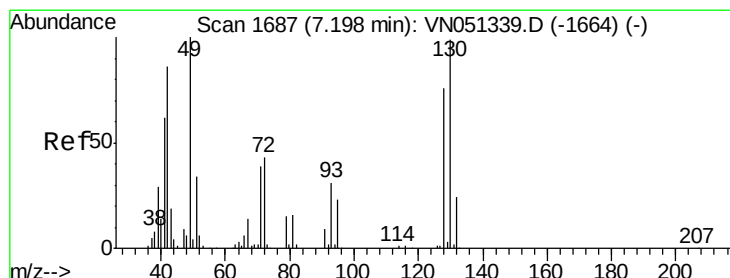
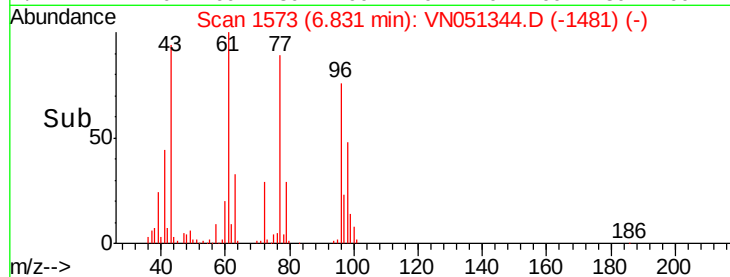
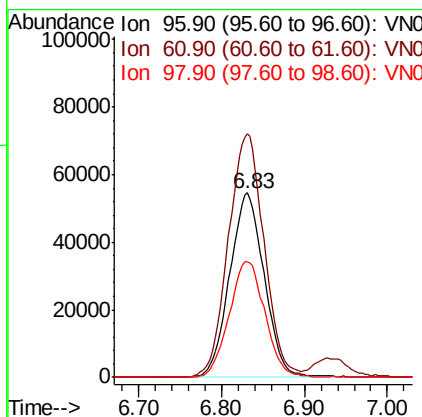
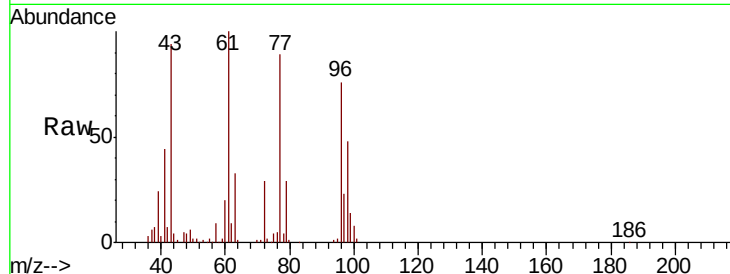
#27
 cis-1,2-Dichloroethene
 Concen: 20.248 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	158663		
61	135.6	0.0	271.2	
98	64.7	0.0	131.2	

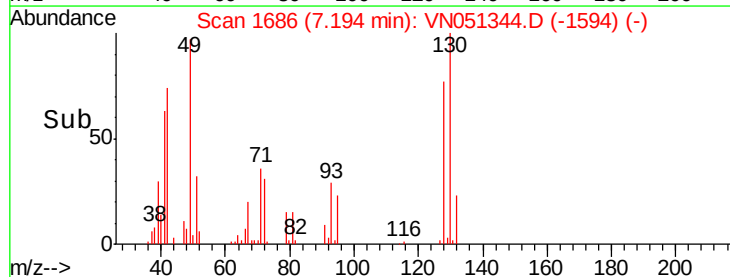
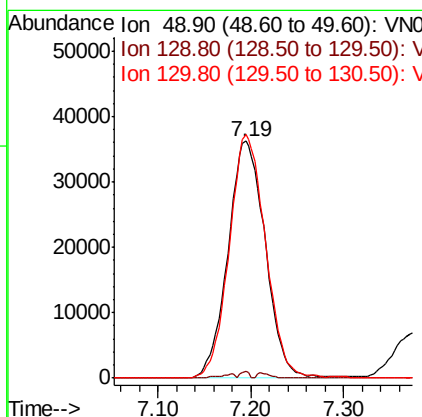
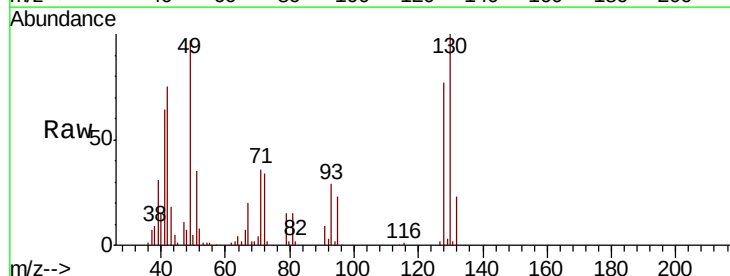
Manual Integrations
 APPROVED

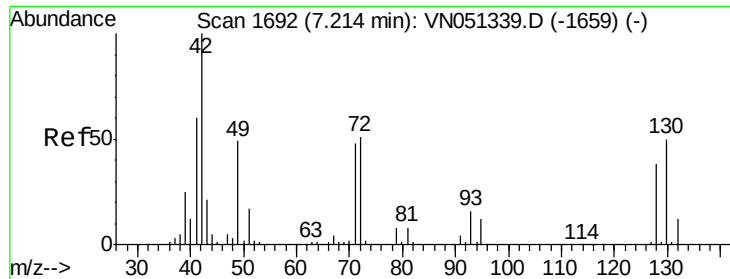
MMDadoda
 9/24/2018 2:48:17 PM



#28
 Bromochloromethane
 Concen: 19.202 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	101126		
129	0.7	0.0	4.0	
130	99.9	77.4	116.2	





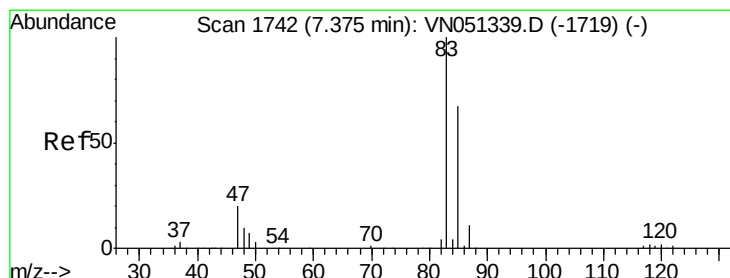
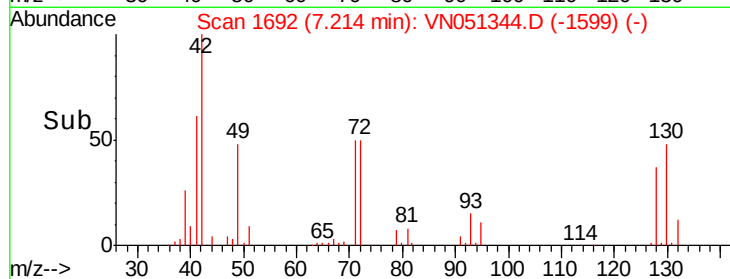
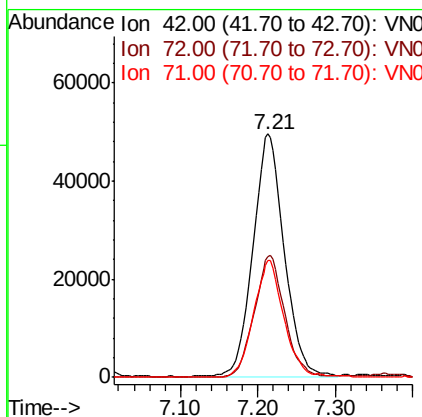
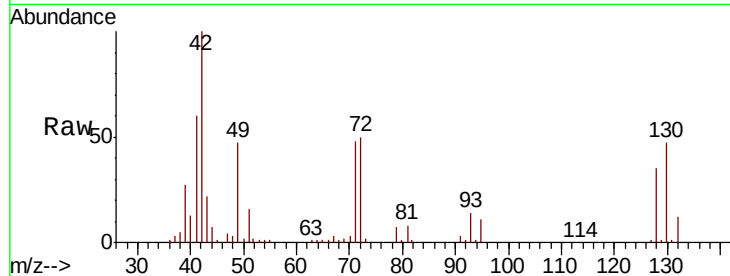
#29
Tetrahydrofuran
Concen: 100.647 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	39.0	58.4
71	46.2	36.5	54.7

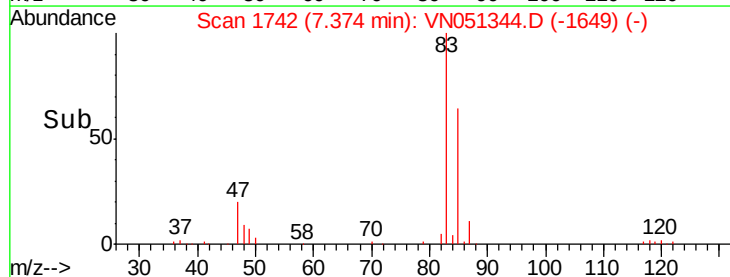
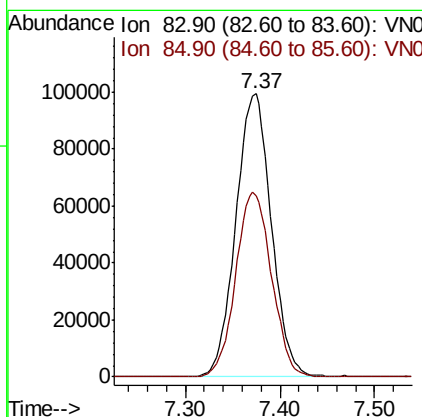
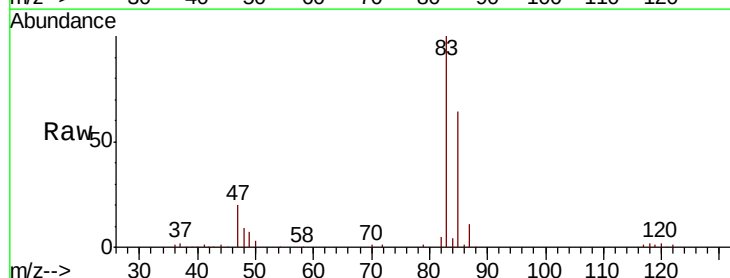
Manual Integrations
APPROVED

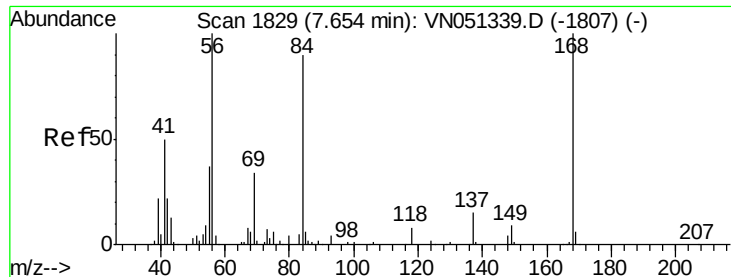
MMDadoda
9/24/2018 2:48:17 PM



#30
Chloroform
Concen: 19.440 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	53.2	79.8





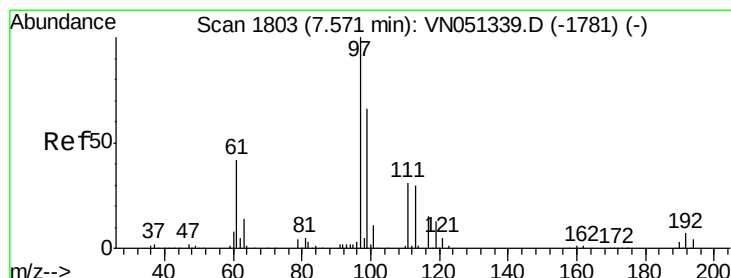
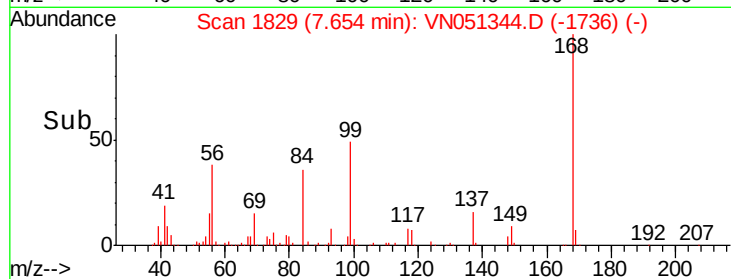
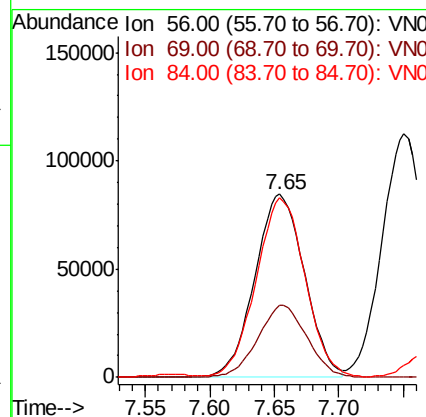
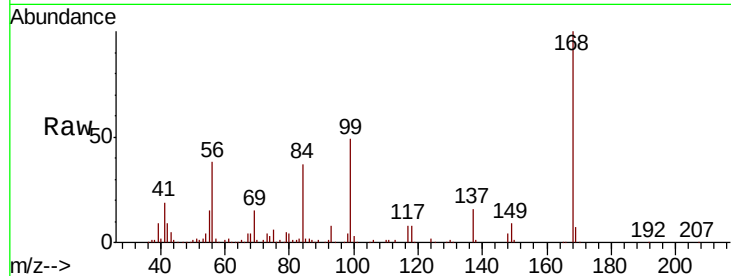
#31
Cyclohexane
Concen: 18.128 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	27.3	40.9
84	96.8	72.2	108.2

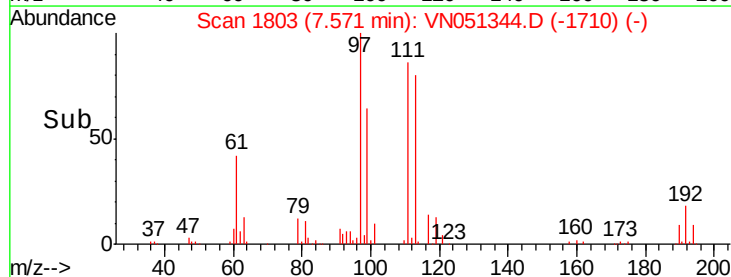
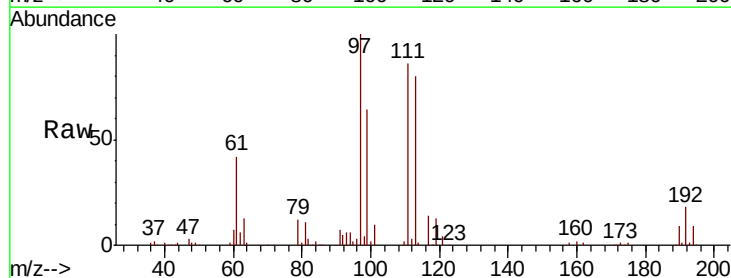
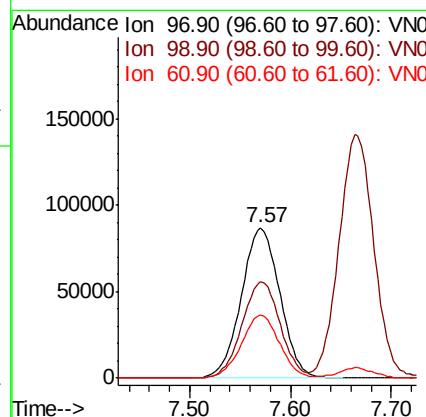
Manual Integrations
APPROVED

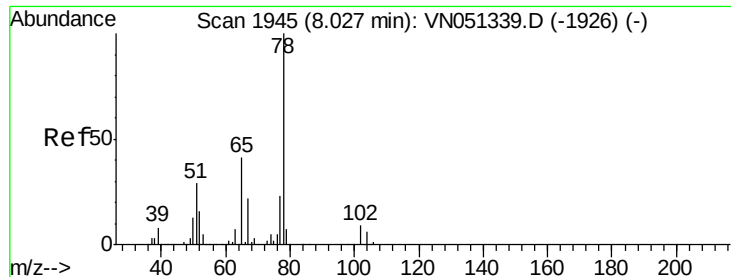
MMDadoda
9/24/2018 2:48:17 PM



#32
1,1,1-Trichloroethane
Concen: 20.004 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	41.6	33.2	49.8





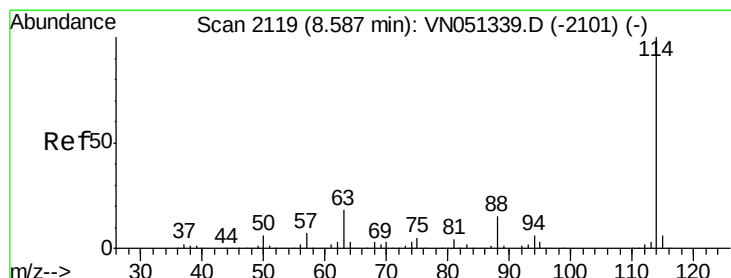
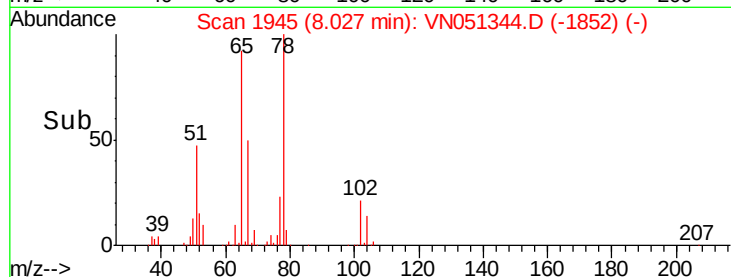
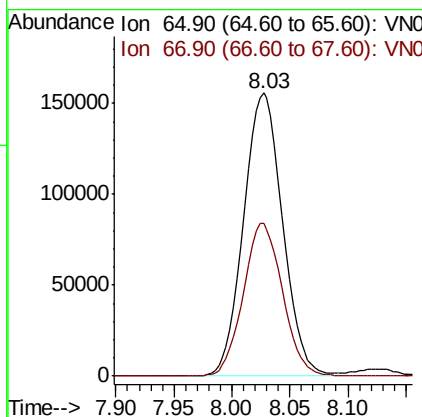
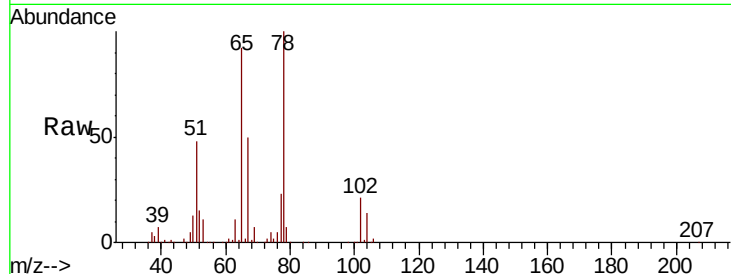
#33
 1,2-Dichloroethane-d4
 Concen: 47.125 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	365592		
67	54.1	0.0	108.8	

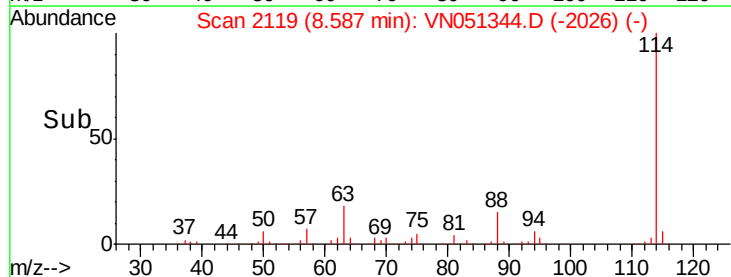
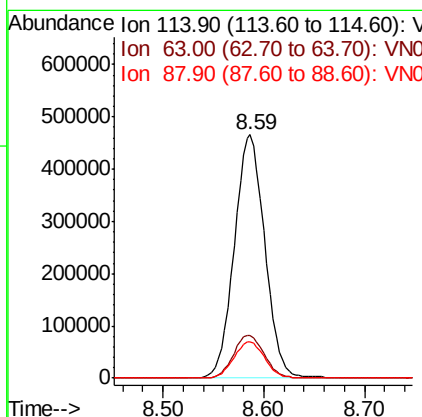
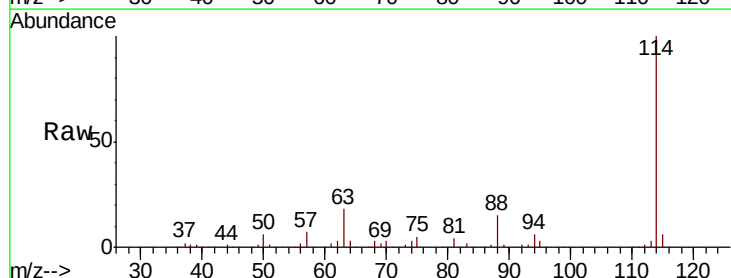
Manual Integrations
 APPROVED

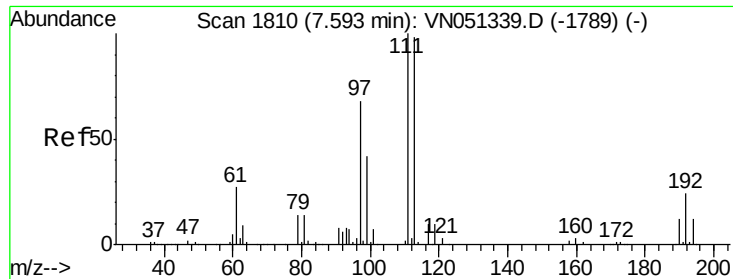
MMDadoda
 9/24/2018 2:48:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	975381		
63	17.5	0.0	36.6	
88	14.9	0.0	29.8	





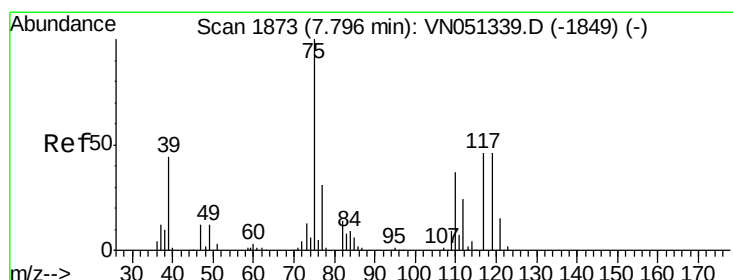
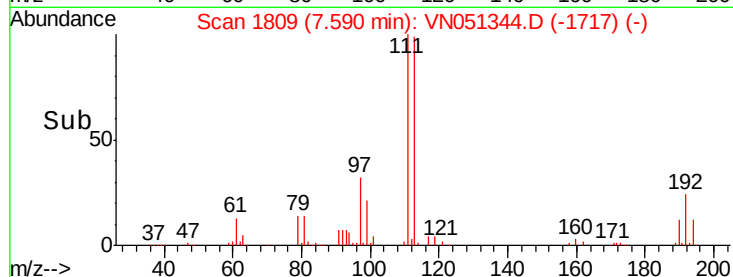
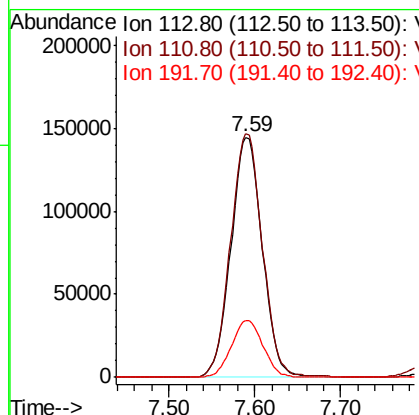
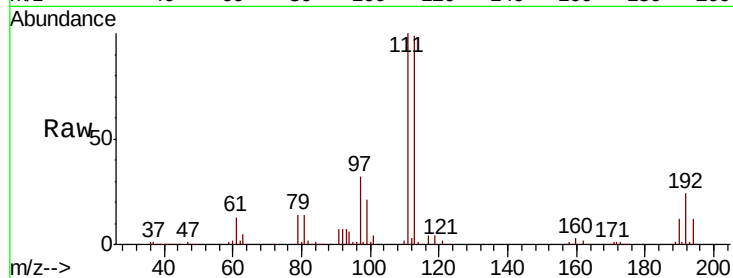
#35
 Dibromofluoromethane
 Concen: 46.509 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	366603		
111	102.7	81.9	122.9	
192	23.9	19.8	29.6	

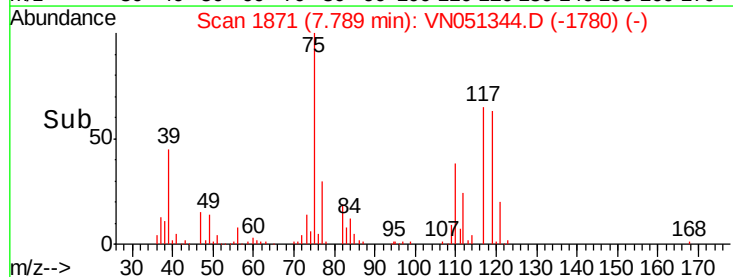
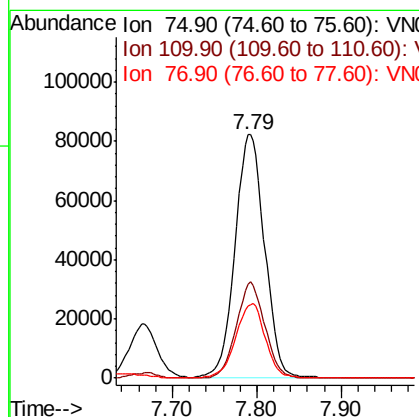
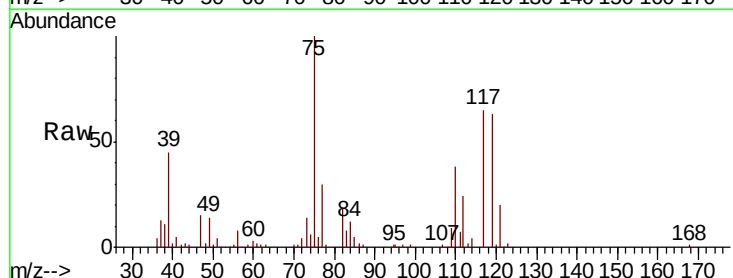
Manual Integrations
 APPROVED

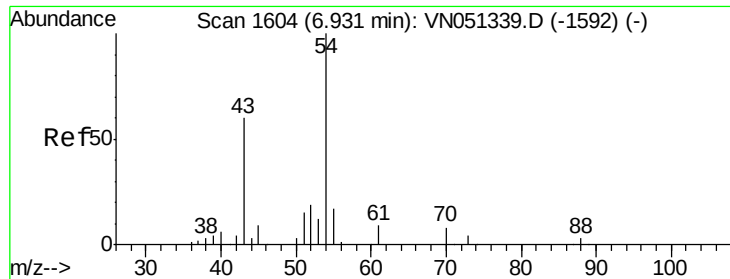
MMDadoda
 9/24/2018 2:48:17 PM



#36
 1,1-Dichloropropene
 Concen: 20.177 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	201311		
110	37.7	18.9	56.5	
77	30.8	25.4	38.2	





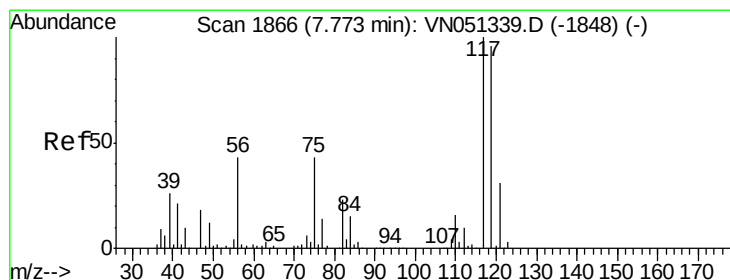
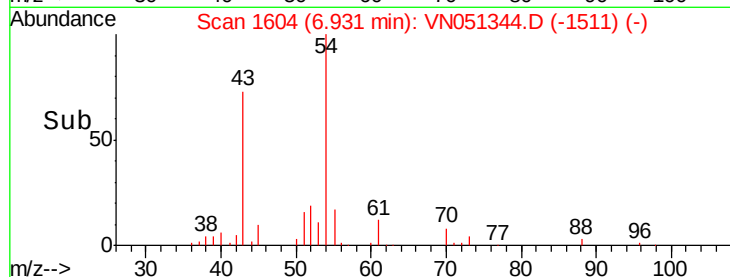
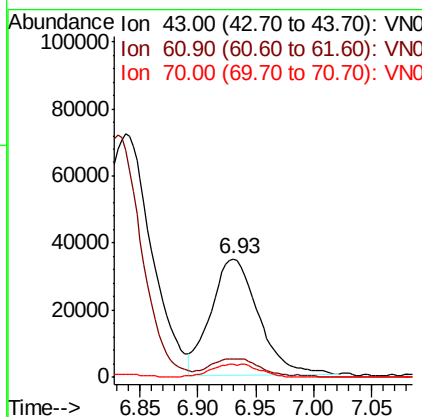
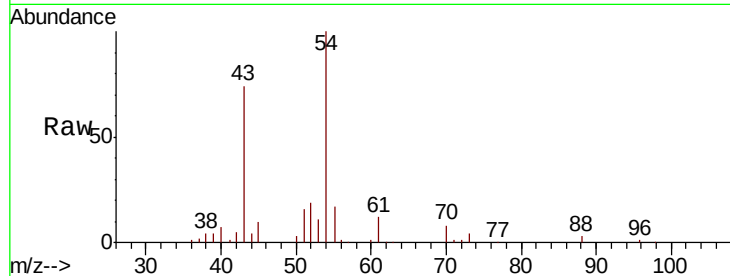
#37
Ethyl Acetate
Concen: 20.001 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	43	61	70
Ion	100	15.6	6.6
Ratio			
Lower		13.6	9.4
Upper		20.4	14.2

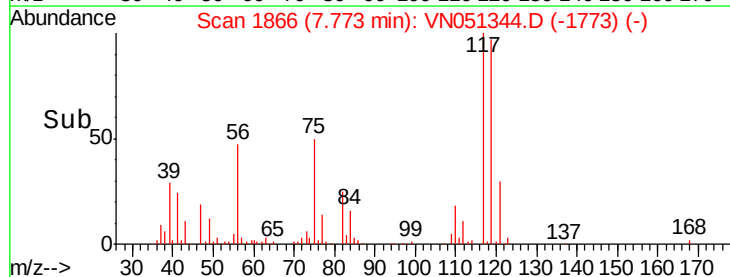
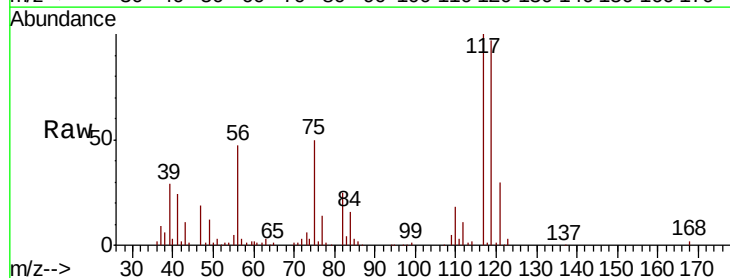
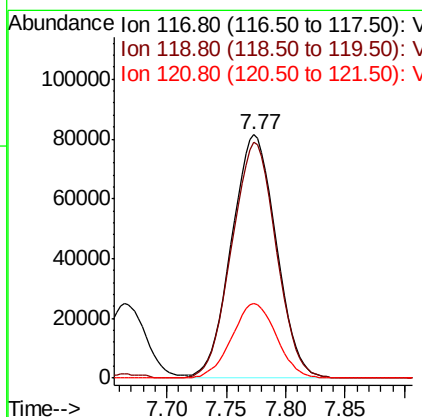
Manual Integrations
APPROVED

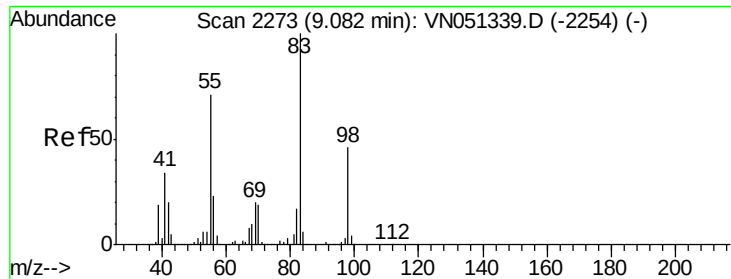
MMDadoda
9/24/2018 2:48:17 PM



#38
Carbon Tetrachloride
Concen: 19.488 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	117	119	121
Ion	100	97.0	30.6
Ratio			
Lower		77.0	25.0
Upper		115.4	37.4





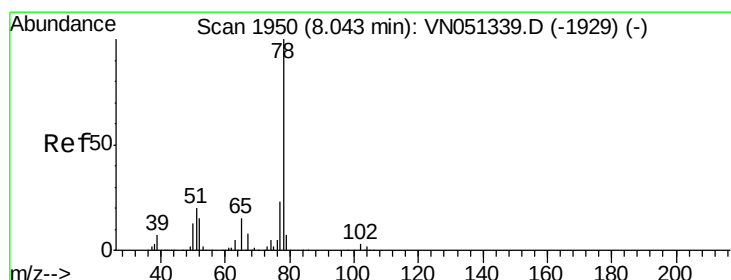
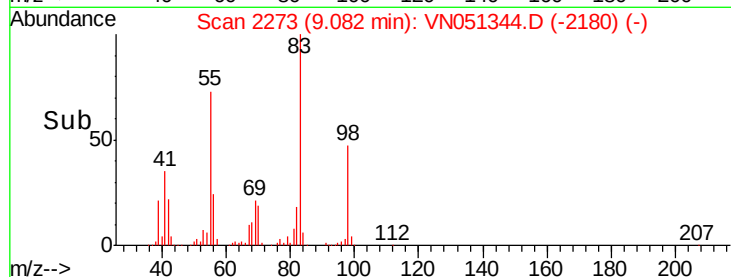
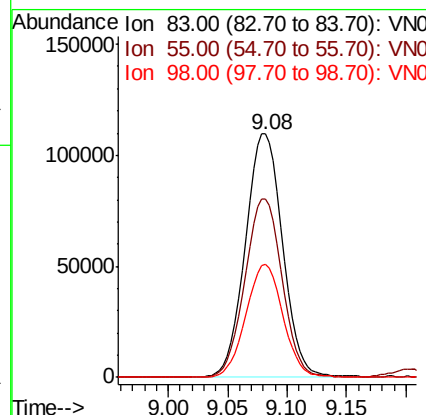
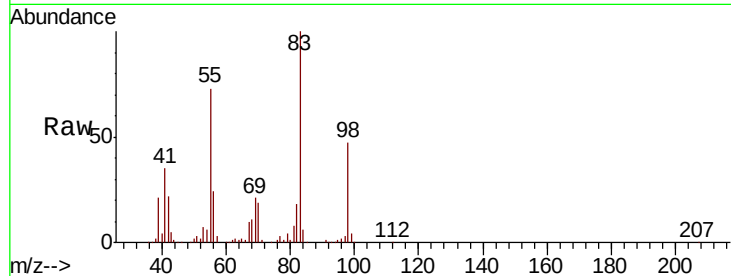
#39
Methylvlcyclohexane
Concen: 20.442 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	56.5	84.7
98	46.6	36.7	55.1

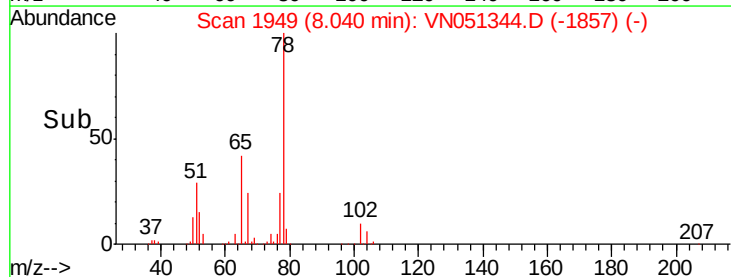
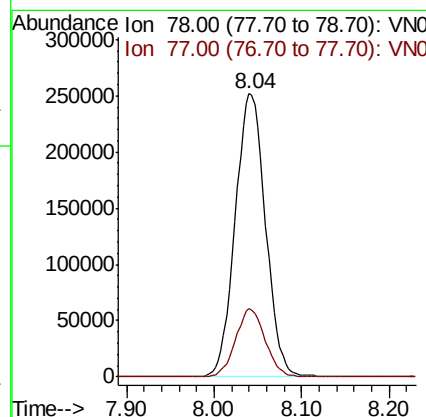
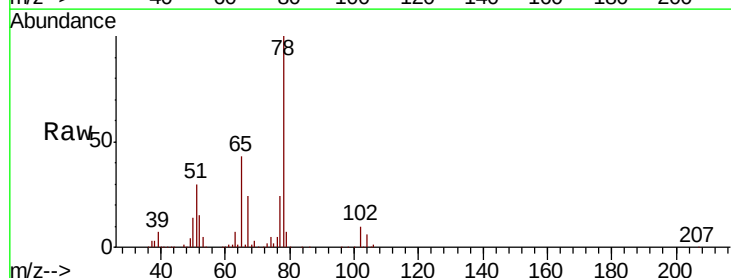
Manual Integrations
APPROVED

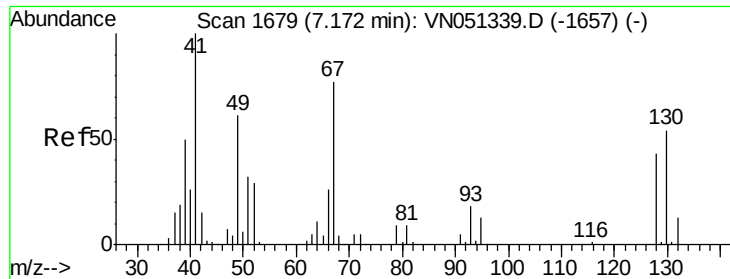
MMDadoda
9/24/2018 2:48:17 PM



#40
Benzene
Concen: 20.149 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7





#41

Methacrylonitrile

Concen: 21.958 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion: 41 Resp: 56502

Ion Ratio Lower Upper

41 100

39 51.7 51.3 76.9

67 83.4 77.0 115.4

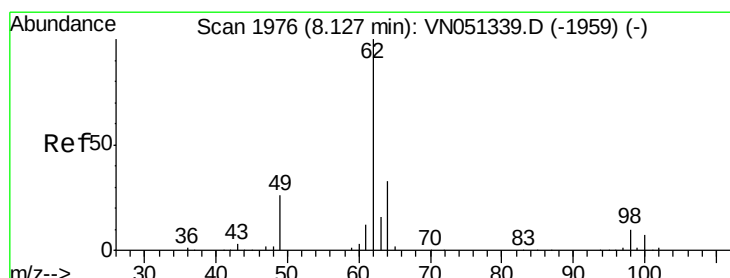
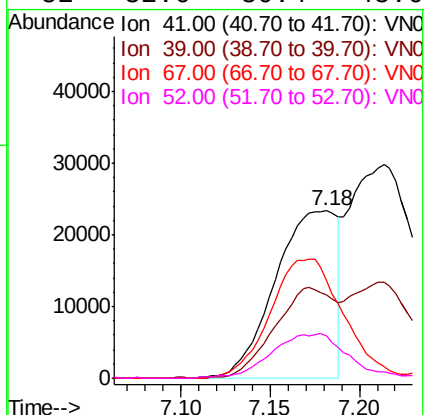
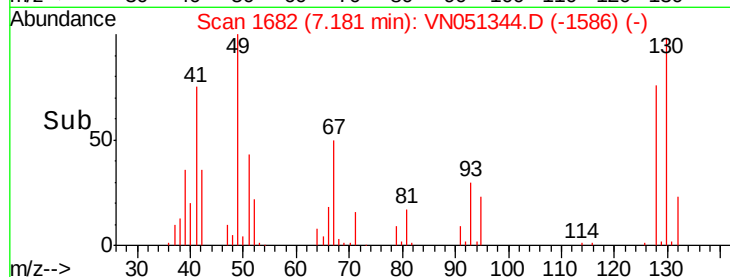
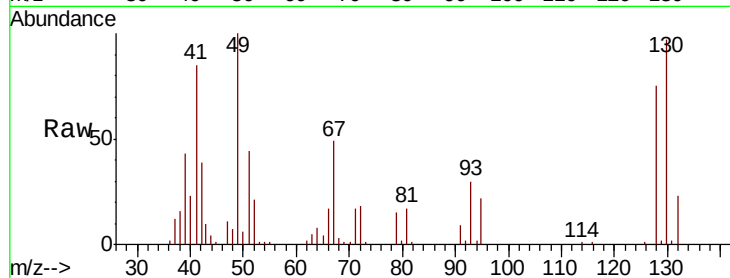
52 32.6 30.4 45.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



#42

1,2-Dichloroethane

Concen: 19.636 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051344.D

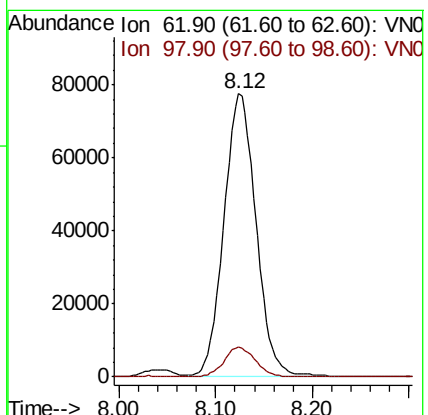
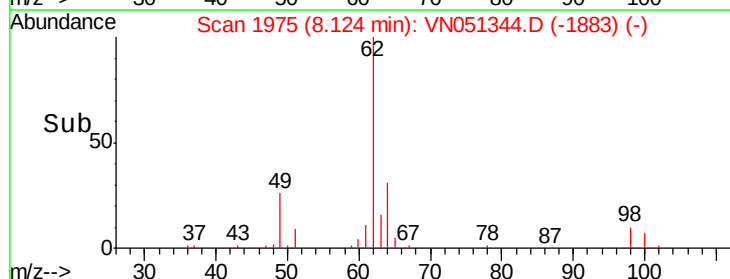
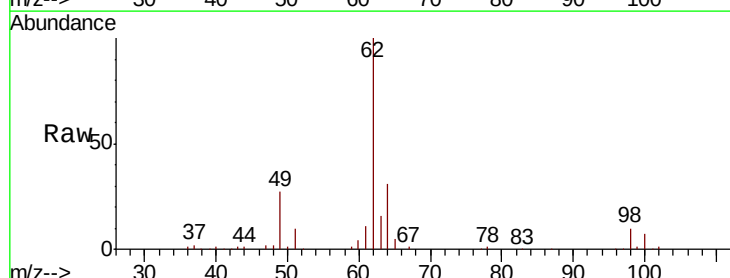
Acq: 20 Sep 2018 17:17

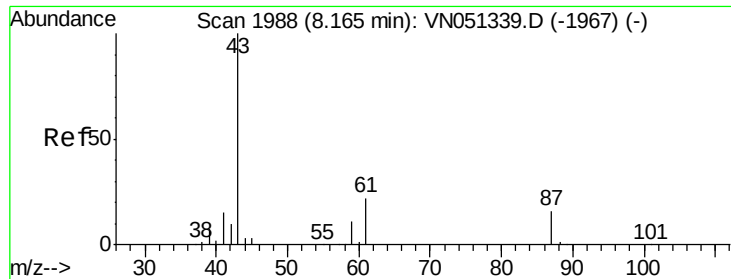
Tgt Ion: 62 Resp: 178312

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.6





#43

Isopropyl Acetate

Concen: 20.552 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

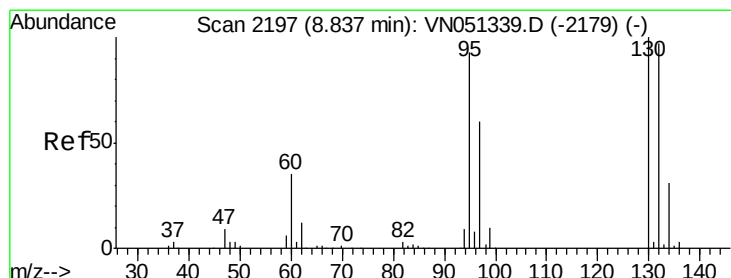
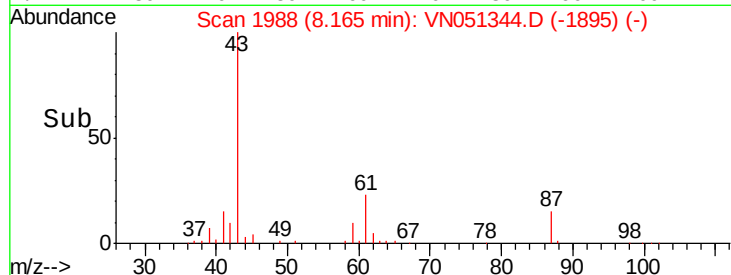
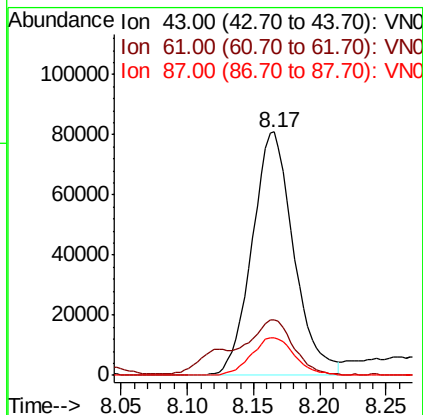
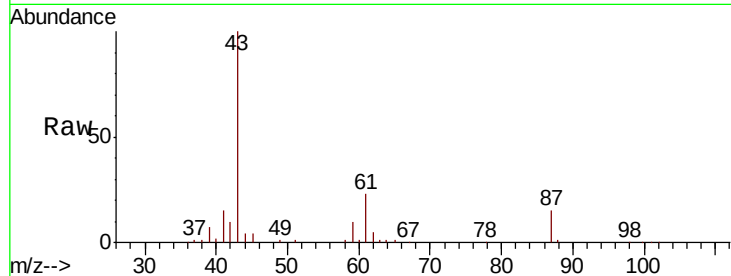
ClientSampleId :

VN0920WBS01

Tot Ion:	43	Resp:	177781
Ion	Ratio	Lower	Upper
43	100		
61	23.0	18.1	27.1
87	16.1	12.8	19.2

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM



#44

Trichloroethene

Concen: 19.448 ug/l

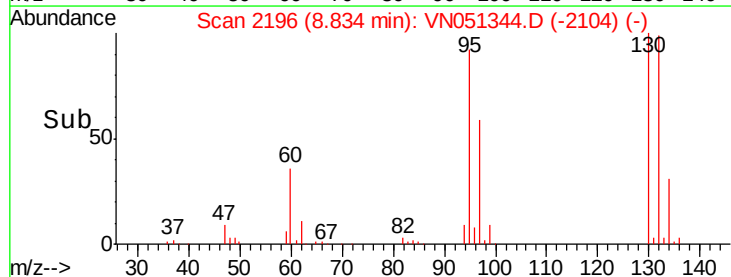
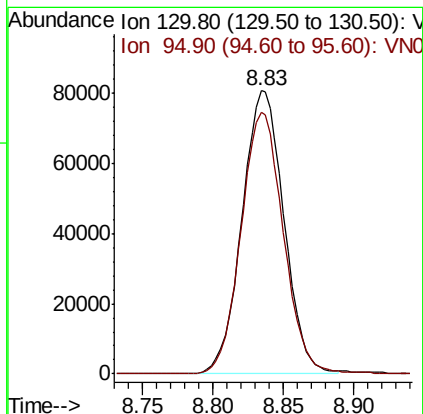
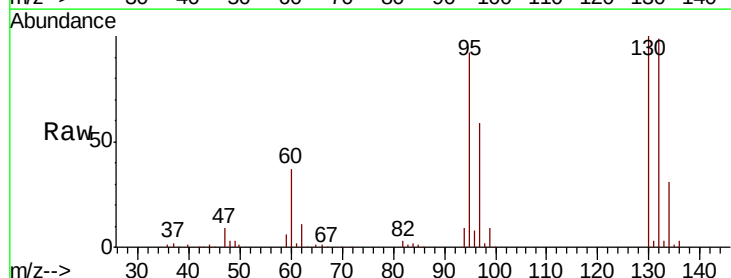
RT: 8.83 min Scan# 2196

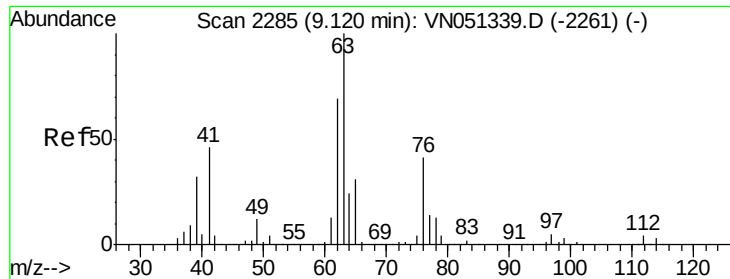
Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Tgt Ion:	130	Resp:	167829
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	185.6





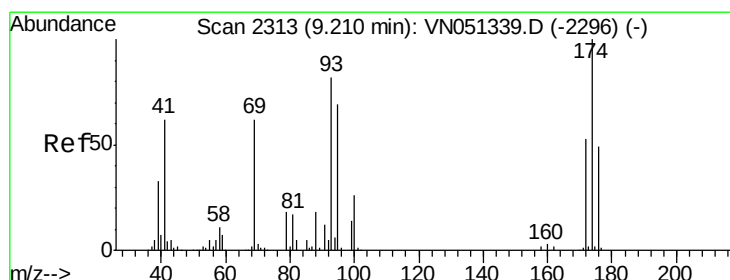
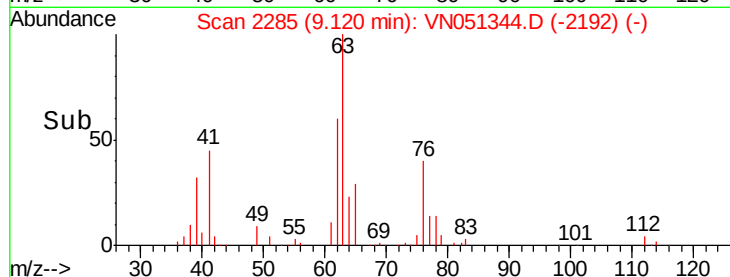
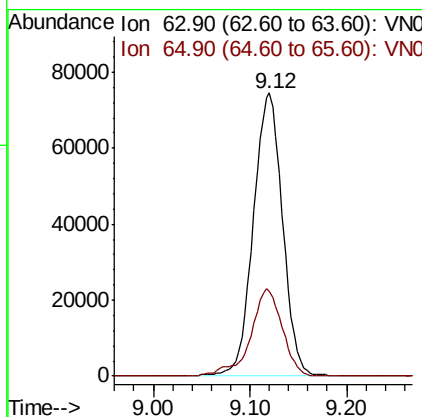
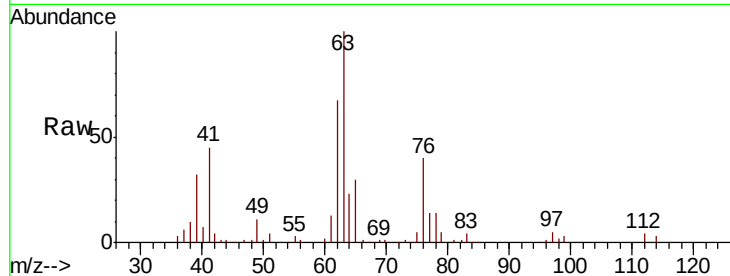
#45
 1,2-Dichloropropane
 Concen: 20.290 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion: 63 Resp: 156085
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.7 37.1

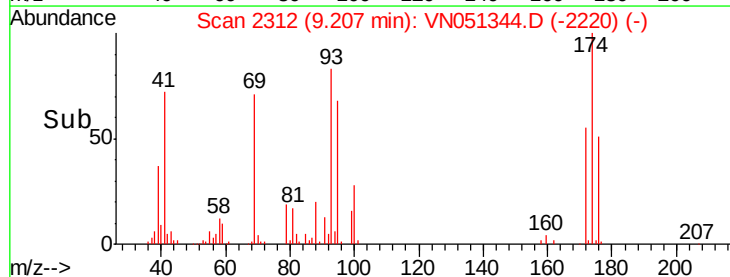
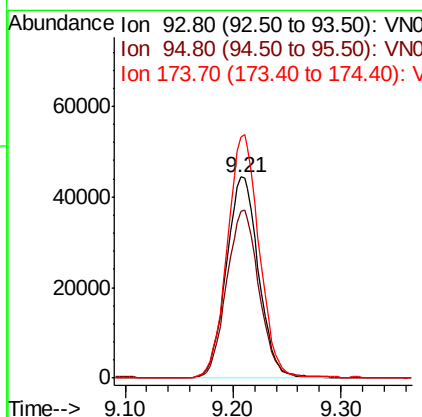
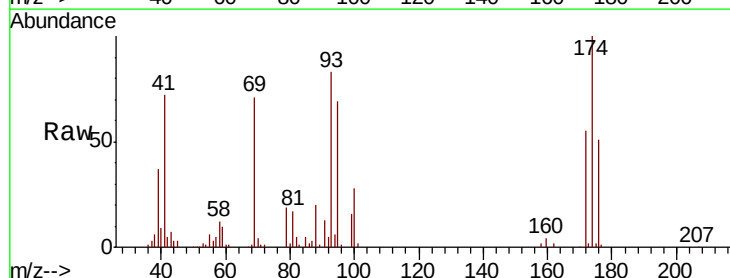
Manual Integrations
 APPROVED

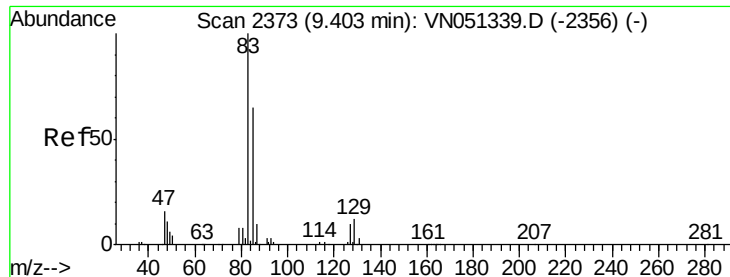
MMDadoda
 9/24/2018 2:48:17 PM



#46
 Dibromomethane
 Concen: 19.538 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion: 93 Resp: 92651
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.6 101.4
 174 118.8 98.9 148.3





#47

Bromodichloromethane

Concen: 19.377 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

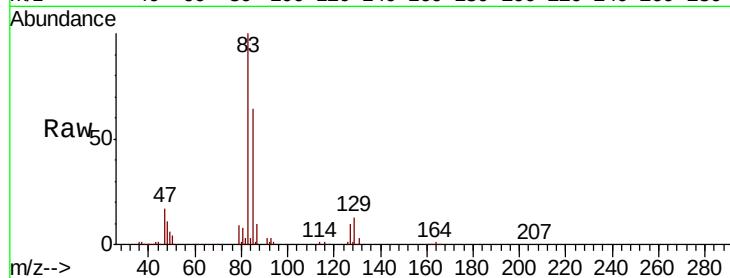
ClientSampleId :

VN0920WBS01

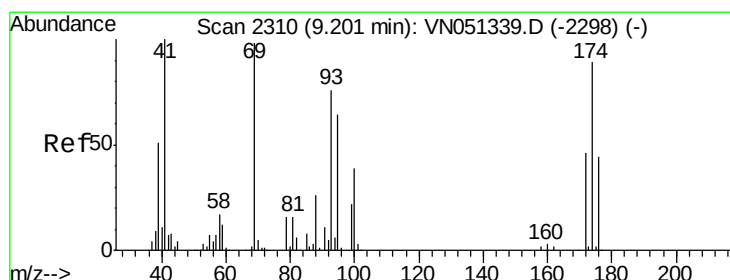
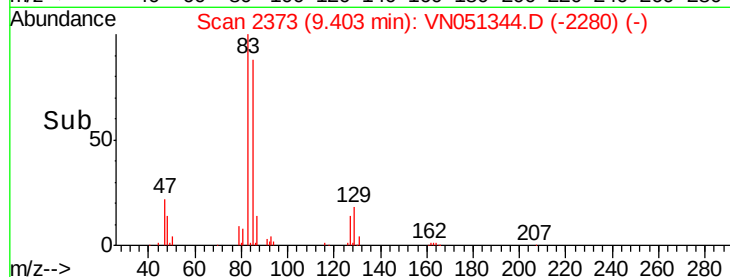
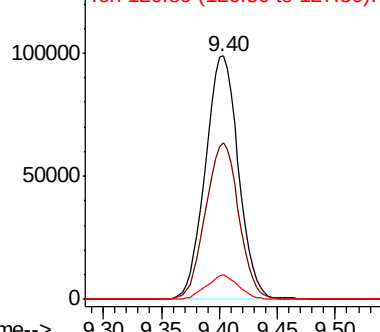
Tot Ion:	83	Resp:	196002
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.6	77.4
127	10.0	7.8	11.6

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM



Abundance Ion 82.90 (82.60 to 83.60): VN051339.D (-2356) (-)



#48

Methyl methacrylate

Concen: 19.290 ug/l

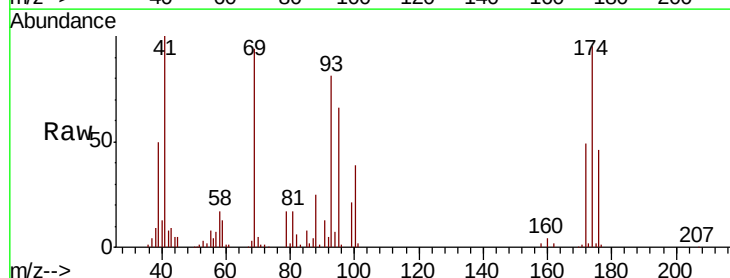
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

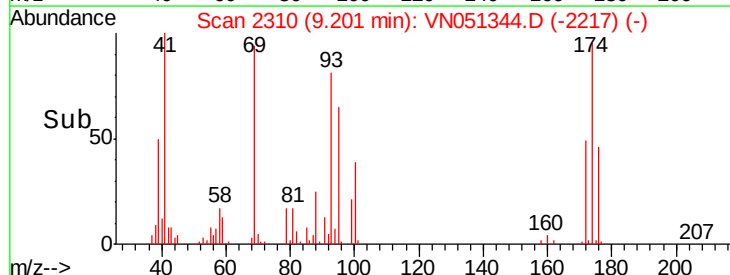
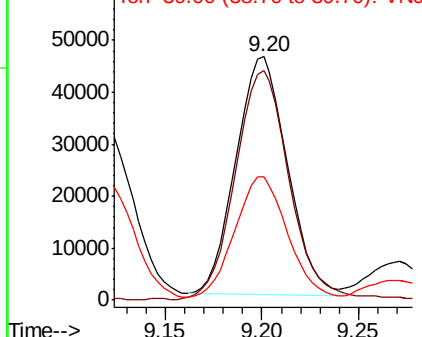
Lab File: VN051344.D

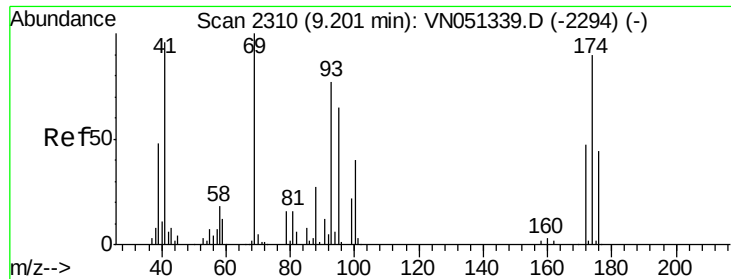
Acq: 20 Sep 2018 17:17

Tgt Ion:	41	Resp:	85067
Ion	Ratio	Lower	Upper
41	100		
69	100.4	79.4	119.0
39	51.7	43.0	64.6



Abundance Ion 41.00 (40.70 to 41.70): VN051339.D (-2298) (-)





#49

1,4-Dioxane

Concen: 386.700 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

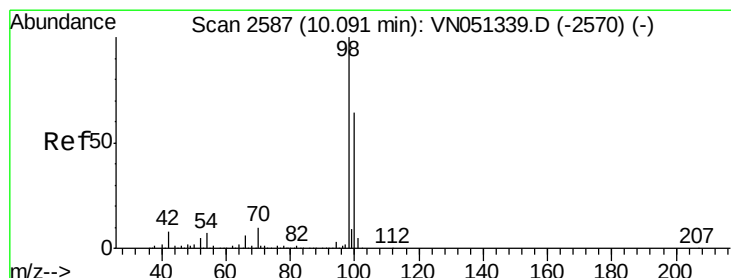
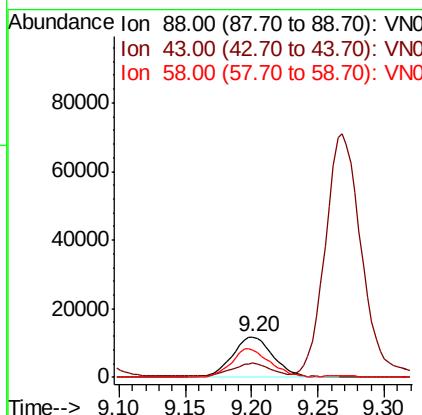
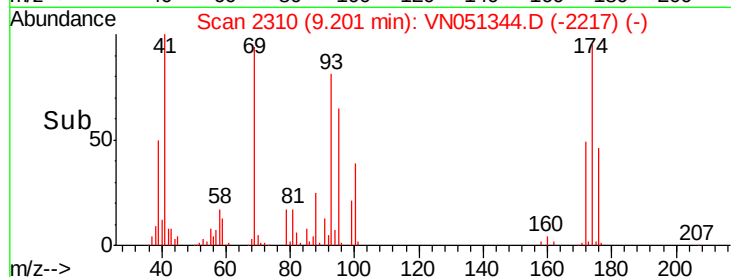
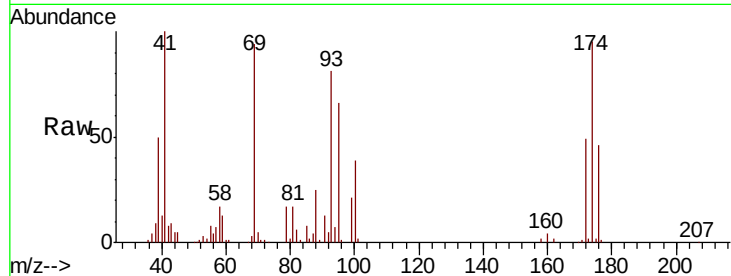
ClientSampleId :

VN0920WBS01

Tot Ion:	88	Resp:	25219
Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.5	35.3
58	66.9	52.1	78.1

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM



#50

Toluene-d8

Concen: 45.741 ug/l

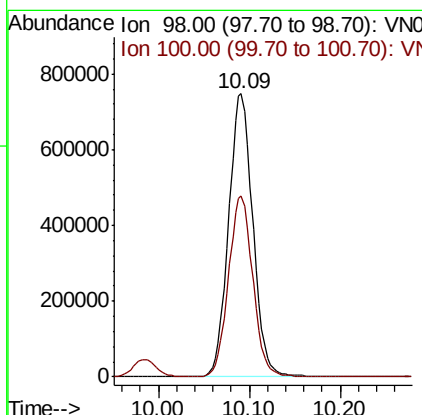
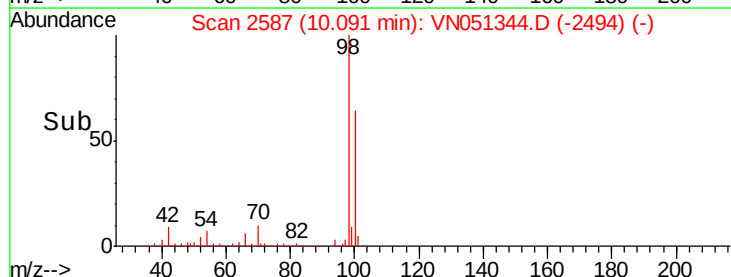
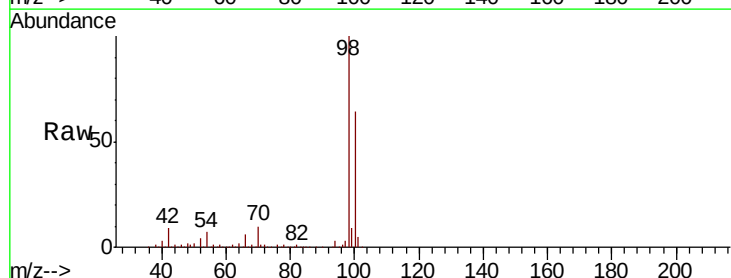
RT: 10.09 min Scan# 2587

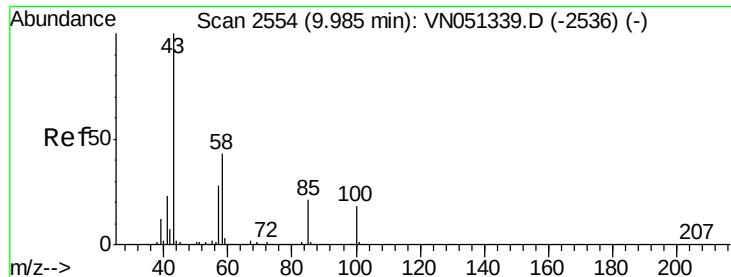
Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Tgt Ion:	98	Resp:	1386056
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.3	76.9





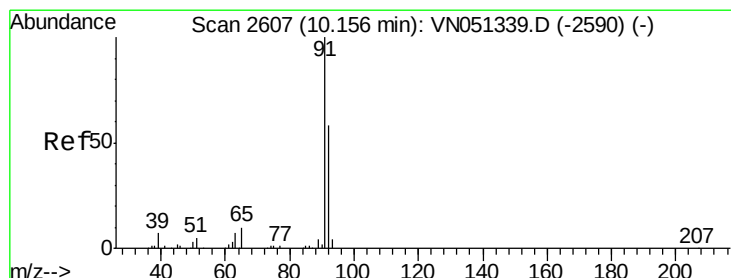
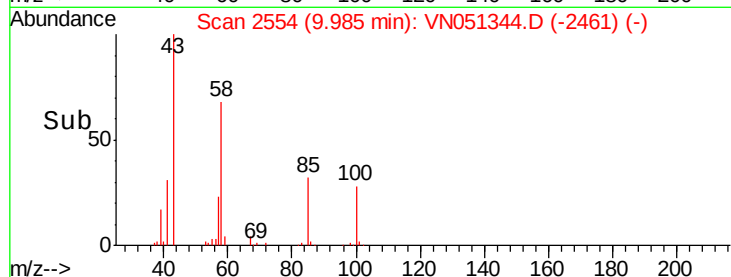
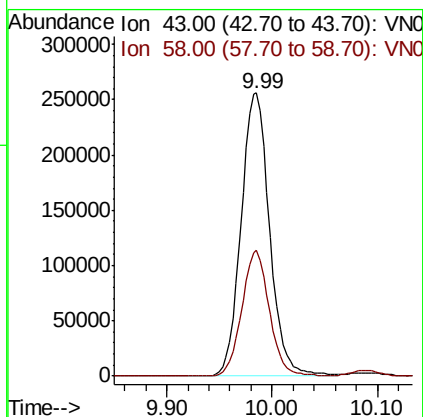
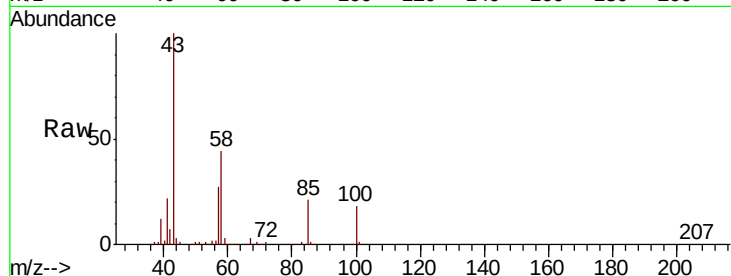
#51
4-Methyl-2-Pentanone
Concen: 103.001 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion: 43 Resp: 479267
Ion Ratio Lower Upper
43 100
58 43.0 34.2 51.4

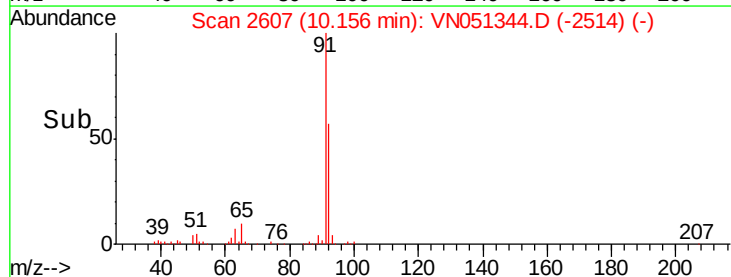
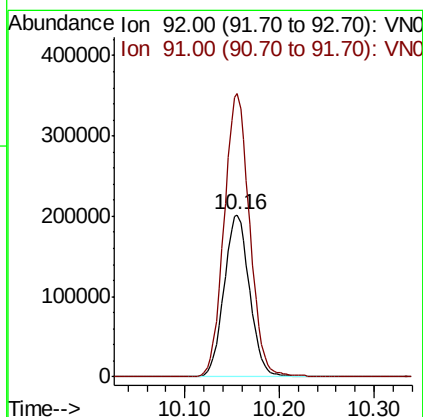
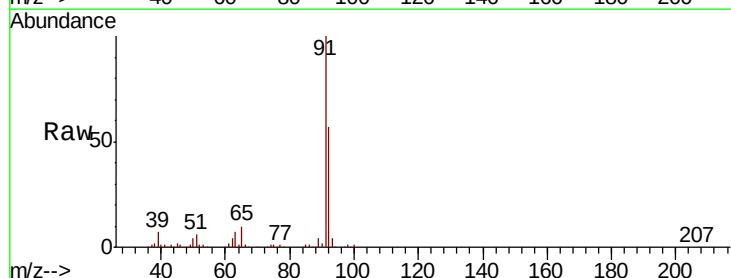
Manual Integrations
APPROVED

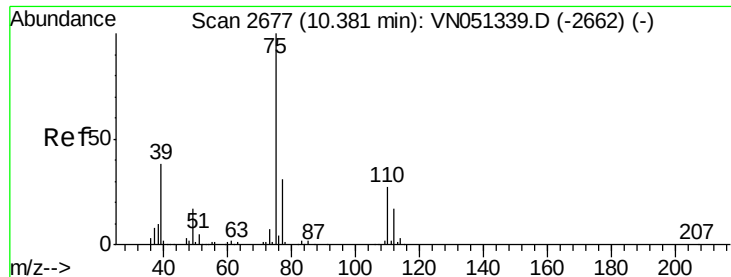
MMDadoda
9/24/2018 2:48:17 PM



#52
Toluene
Concen: 20.466 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion: 92 Resp: 378848
Ion Ratio Lower Upper
92 100
91 174.8 139.7 209.5





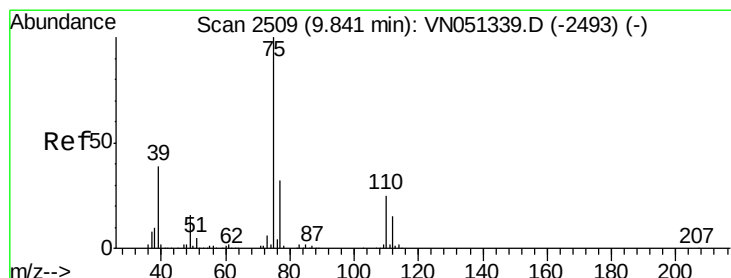
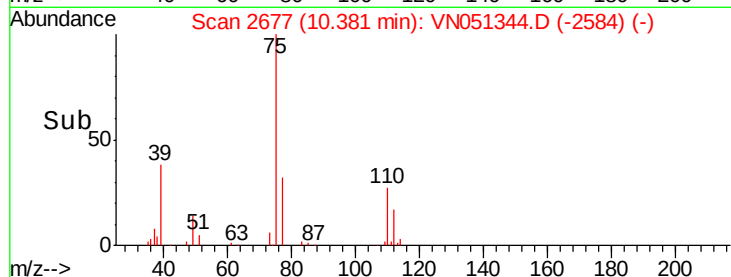
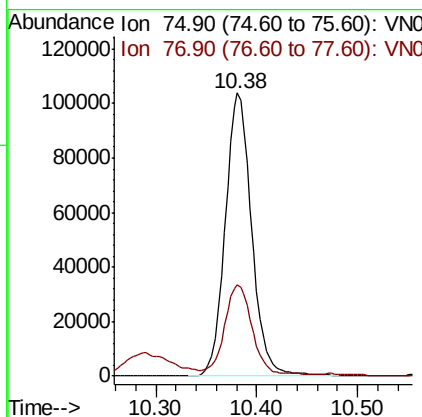
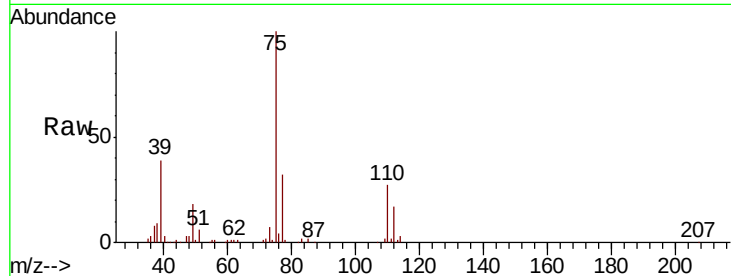
#53
t-1,3-Dichloropropene
Concen: 19.556 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampled :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

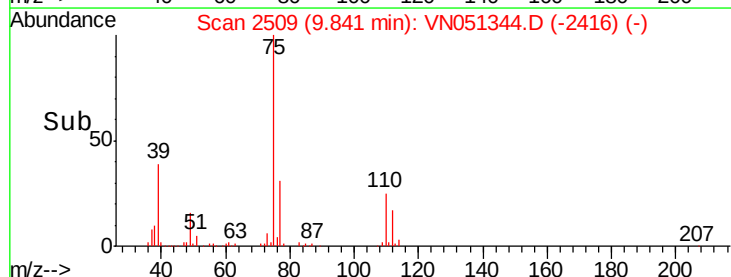
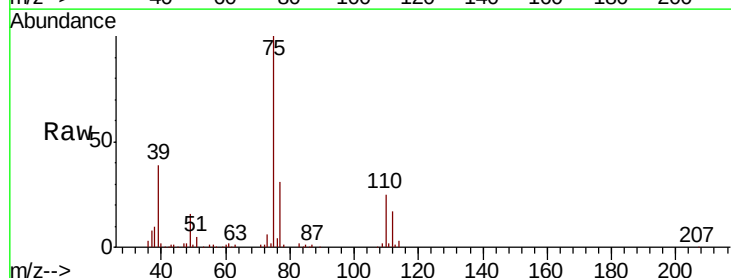
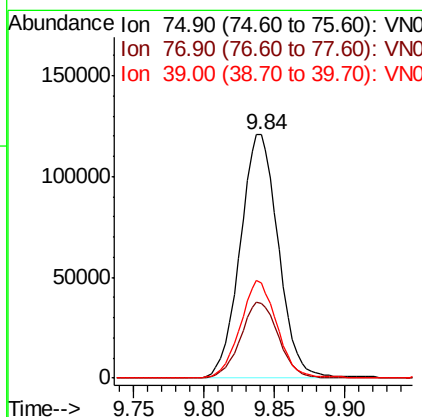
Manual Integrations
APPROVED

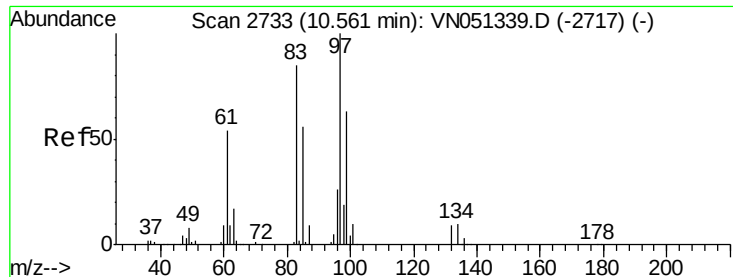
MMDadoda
9/24/2018 2:48:17 PM



#54
cis-1,3-Dichloropropene
Concen: 20.336 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	38.7	31.0	46.4





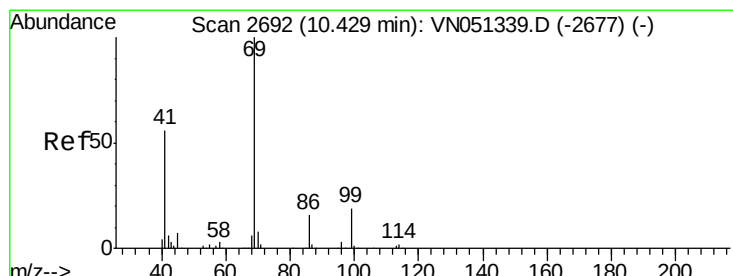
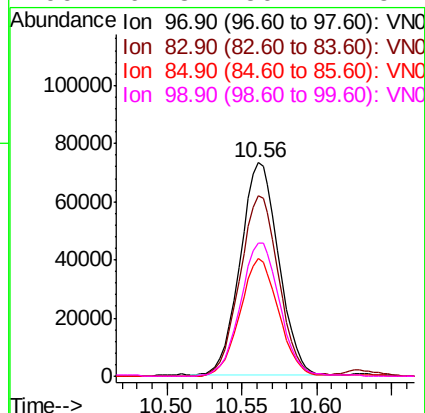
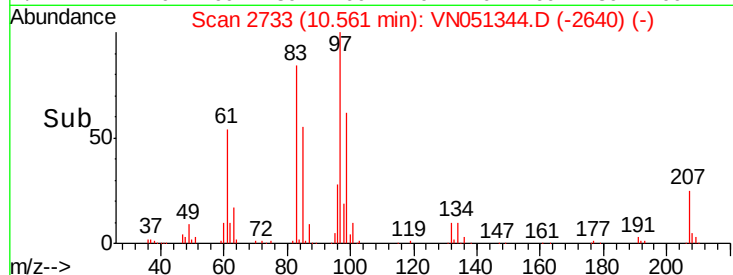
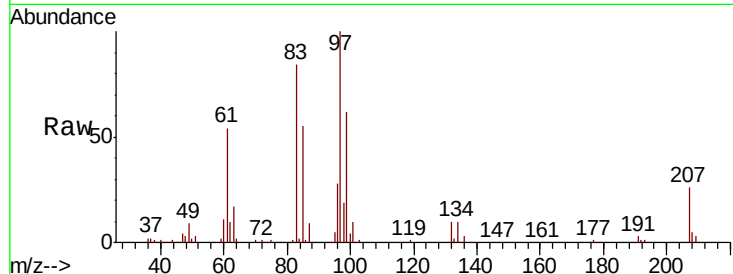
#55
 1,1,2-Trichloroethane
 Concen: 18.792 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion:	97	Resp:	130476
Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.1	102.1
85	55.2	44.6	66.8
99	62.8	50.2	75.4

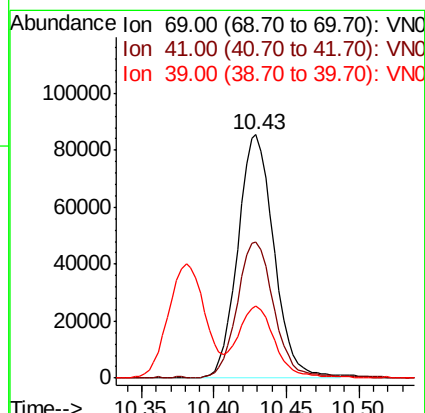
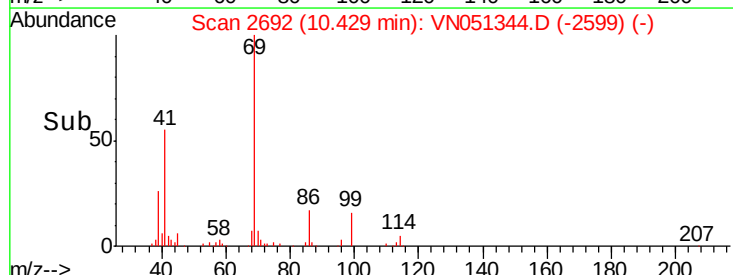
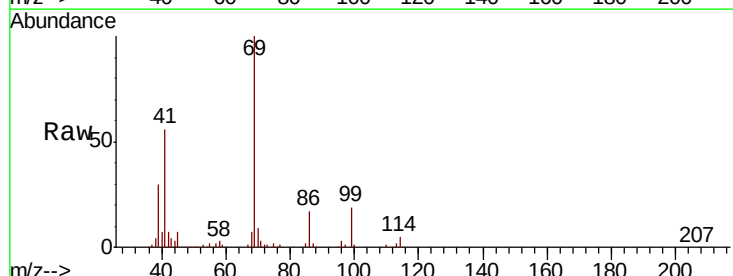
Manual Integrations
 APPROVED

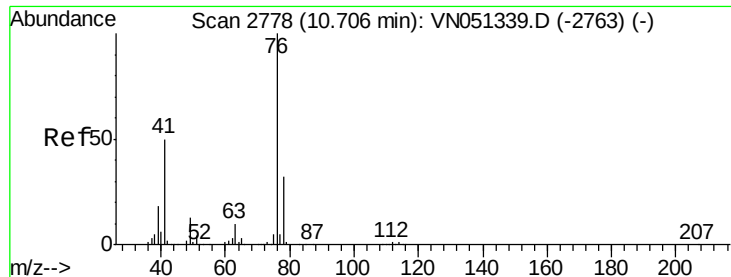
MMDadoda
 9/24/2018 2:48:17 PM



#56
 Ethyl methacrylate
 Concen: 20.214 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion:	69	Resp:	148245
Ion	Ratio	Lower	Upper
69	100		
41	56.8	45.1	67.7
39	29.9	23.4	35.2





#57

1,3-Dichloropropane

Concen: 20.092 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion: 76 Resp: 219740

Ion Ratio Lower Upper

76 100

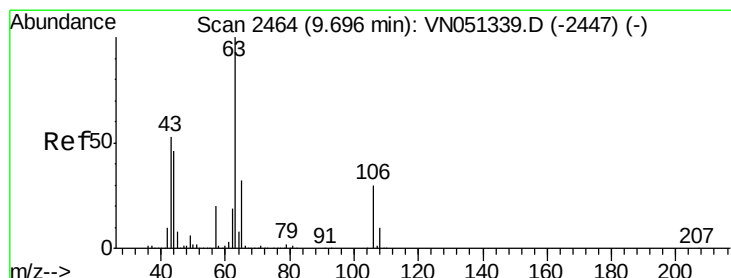
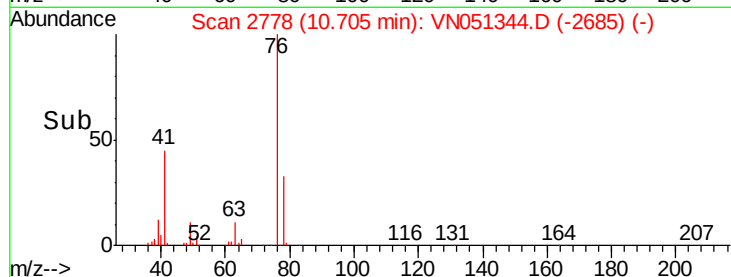
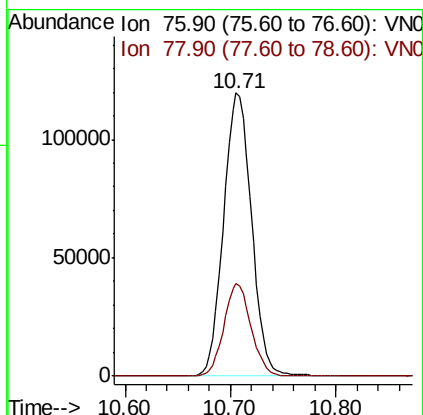
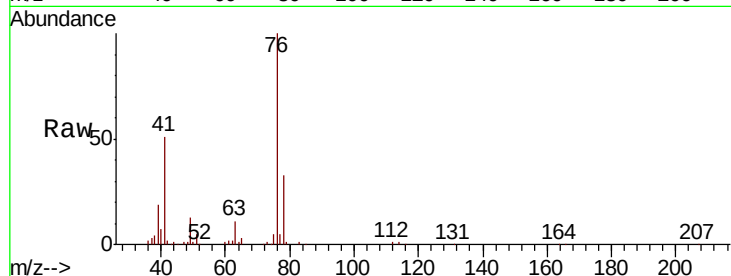
78 31.5 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



#58

2-Chloroethyl Vinyl ether

Concen: 104.448 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051344.D

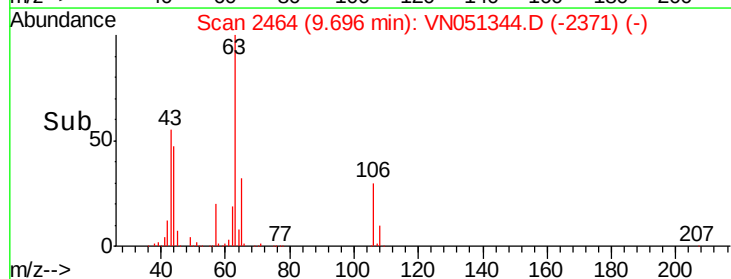
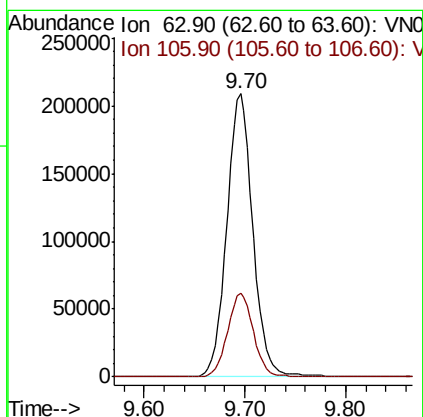
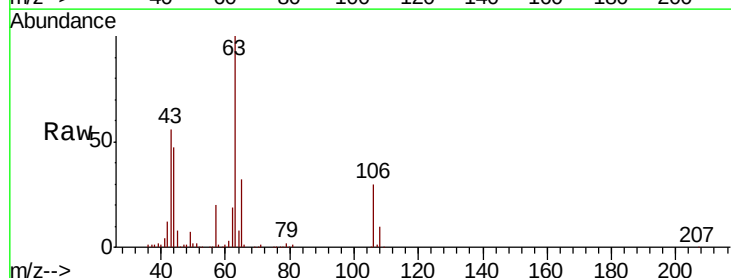
Acq: 20 Sep 2018 17:17

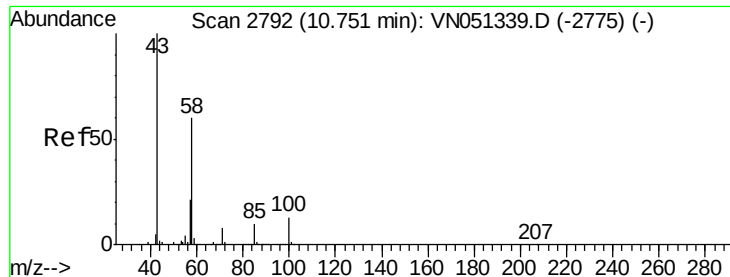
Tgt Ion: 63 Resp: 376623

Ion Ratio Lower Upper

63 100

106 29.5 23.7 35.5





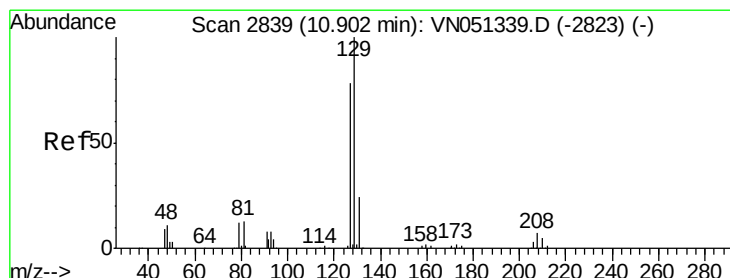
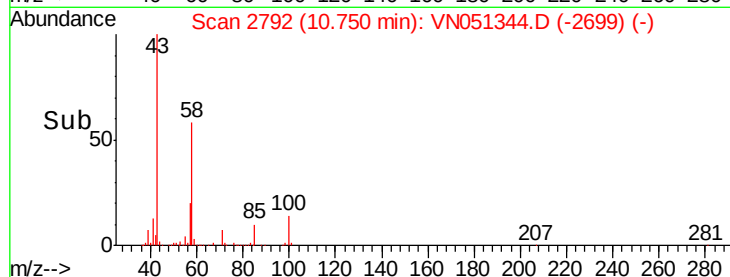
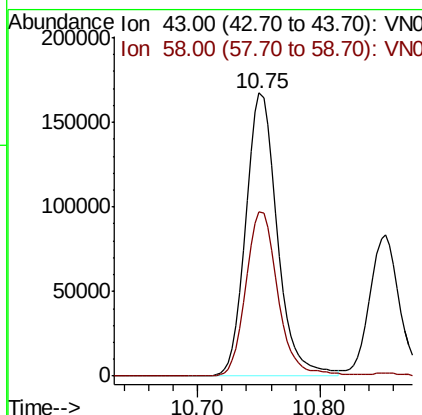
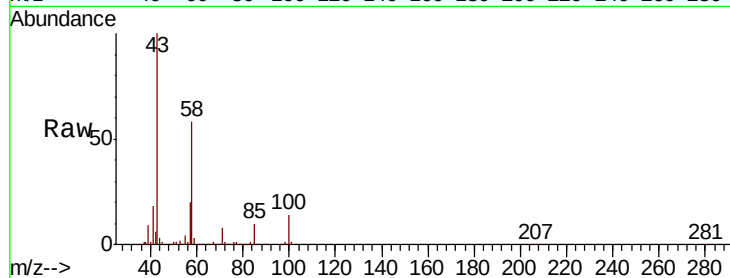
#59
2-Hexanone
Concen: 94.233 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.3	29.9	89.8

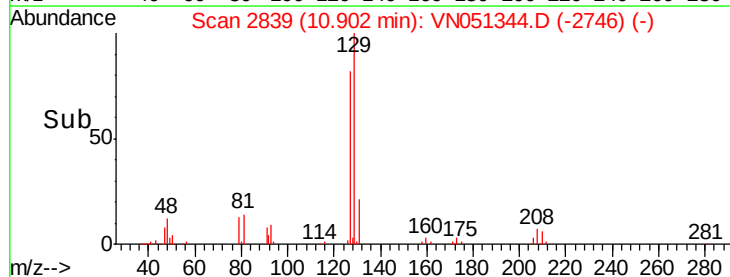
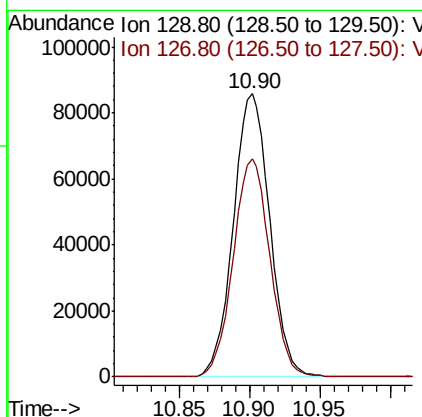
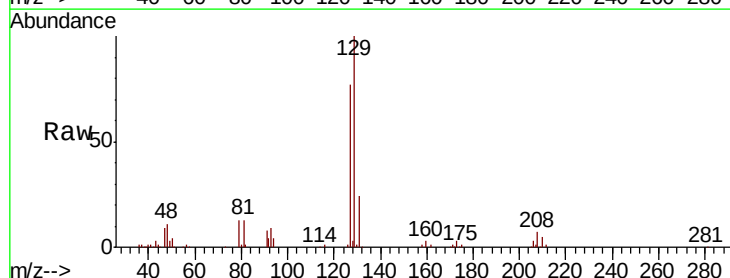
Manual Integrations
APPROVED

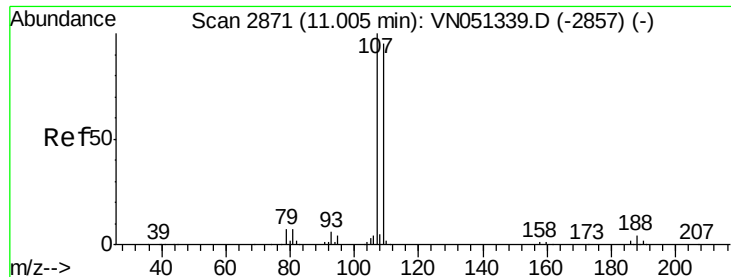
MMDadoda
9/24/2018 2:48:17 PM



#60
Dibromochloromethane
Concen: 19.179 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8





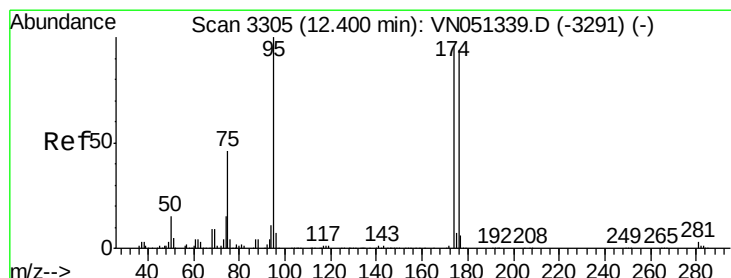
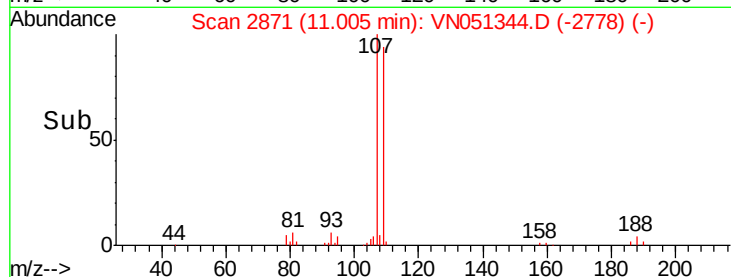
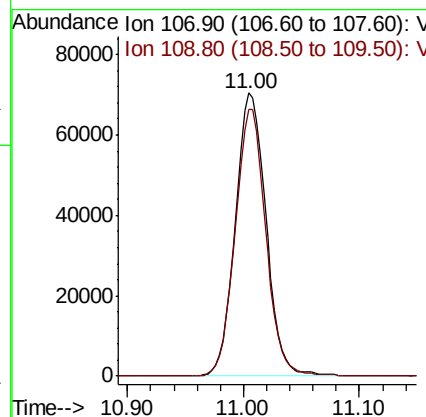
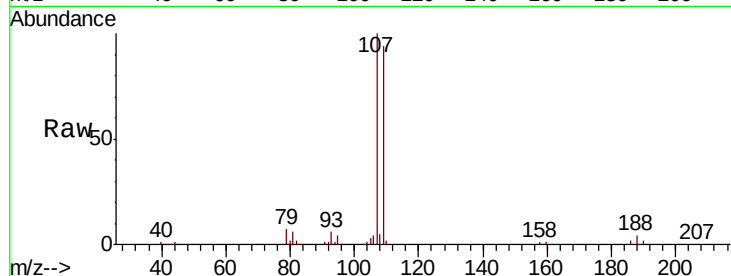
#61
 1,2-Dibromoethane
 Concen: 19.272 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.8	113.6

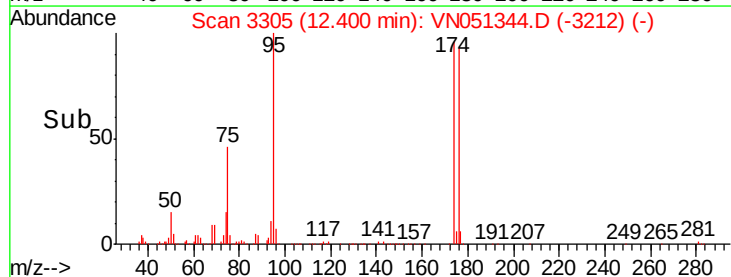
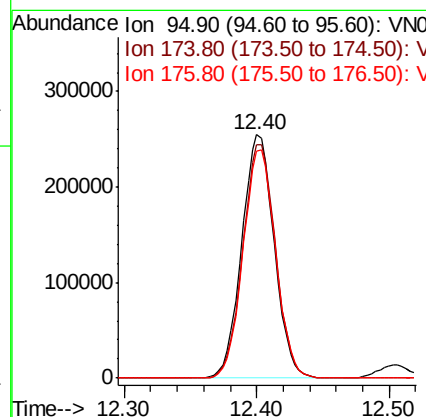
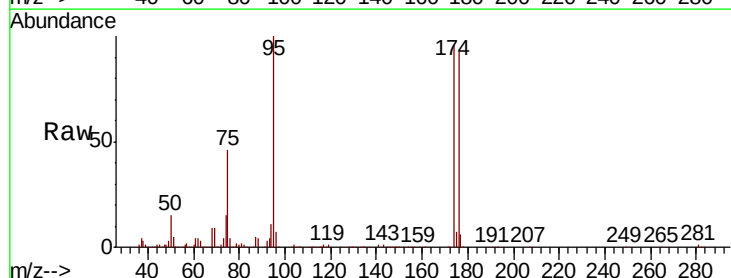
Manual Integrations
 APPROVED

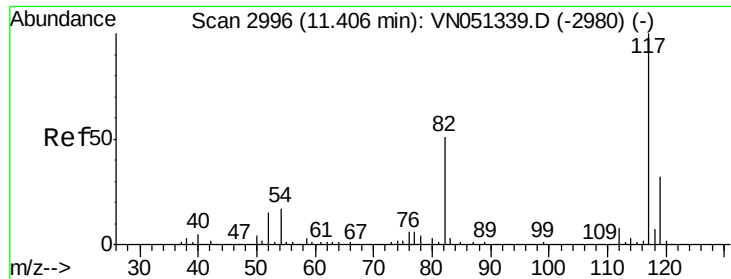
MMDadoda
 9/24/2018 2:48:17 PM



#62
 4-Bromofluorobenzene
 Concen: 43.877 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	194.6
176	94.3	0.0	189.6





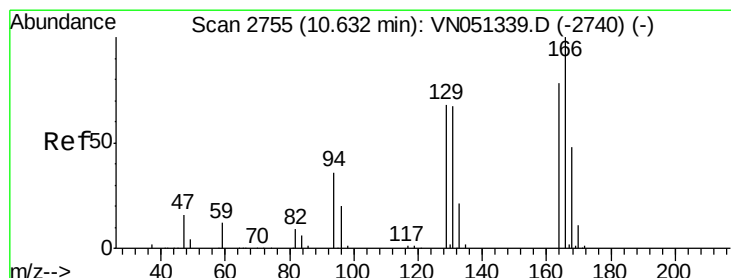
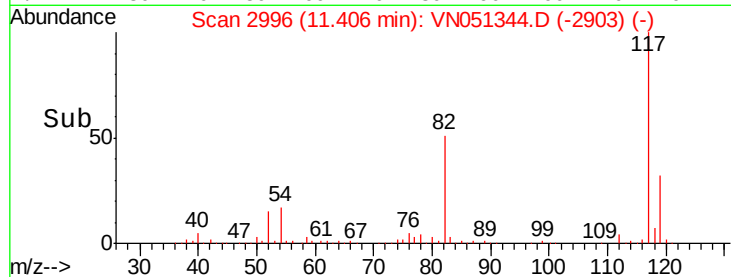
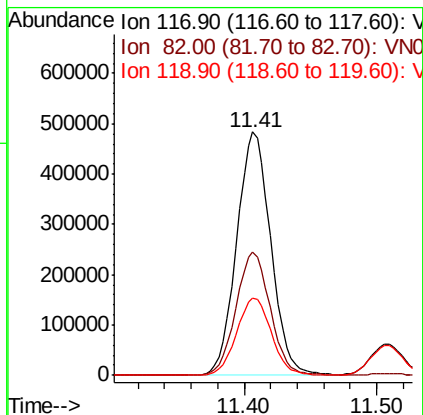
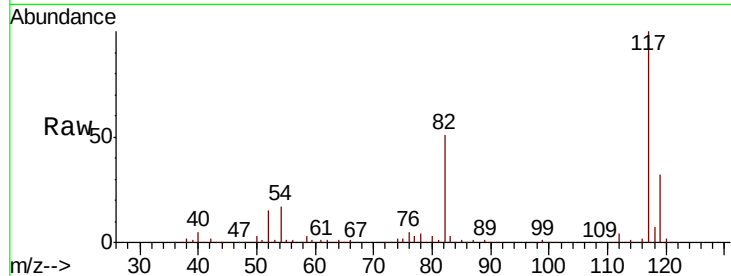
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.7	61.1
119	32.0	25.3	37.9

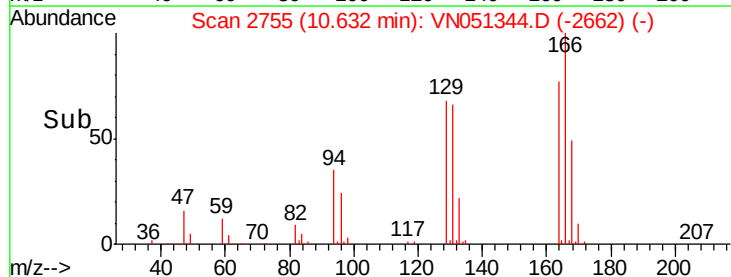
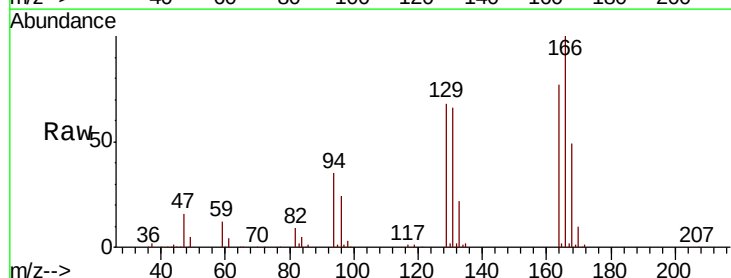
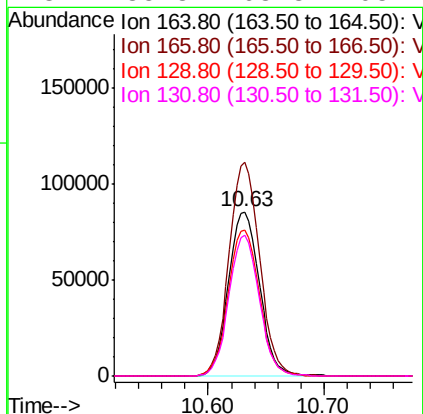
Manual Integrations
APPROVED

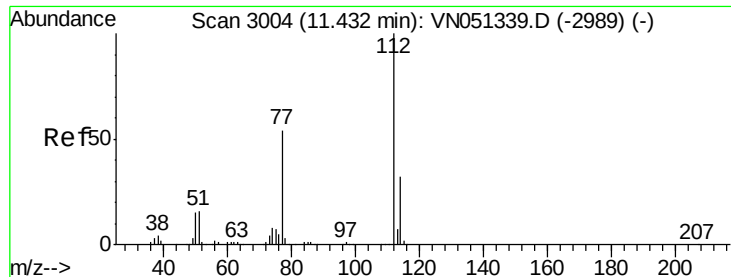
MMDadoda
9/24/2018 2:48:17 PM



#64
Tetrachloroethene
Concen: 21.038 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.1	153.1
129	88.8	69.4	104.2
131	85.8	68.8	103.2





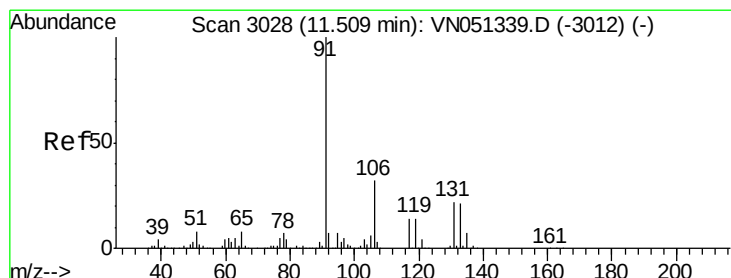
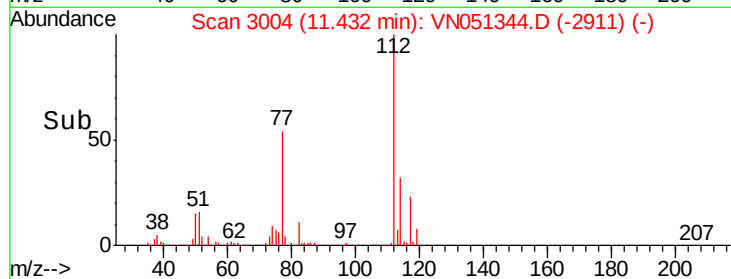
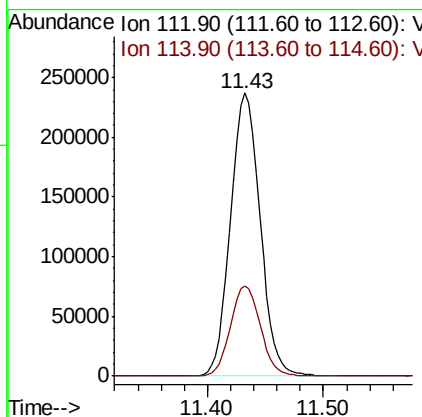
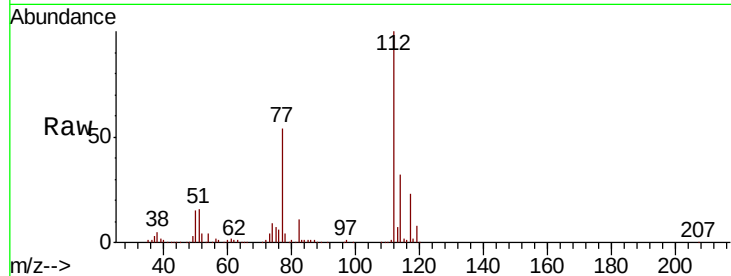
#65
Chlorobenzene
Concen: 20.253 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampled :
VN0920WBS01

Tot Ion:112 Resp: 417894
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

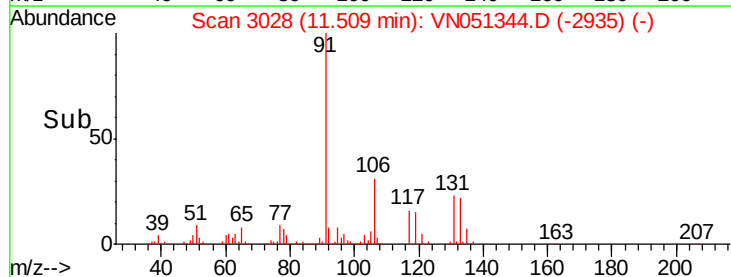
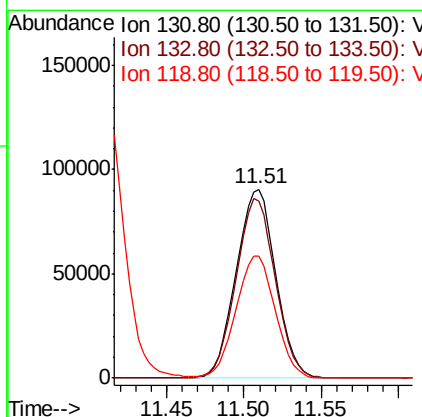
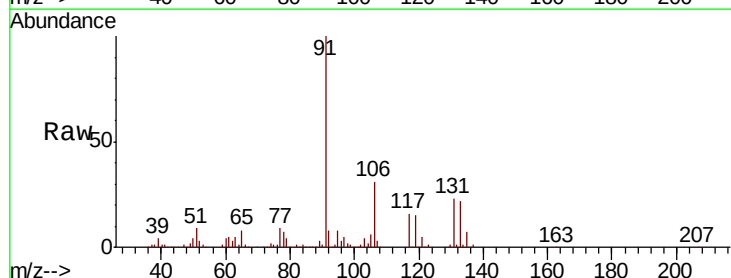
Manual Integrations
APPROVED

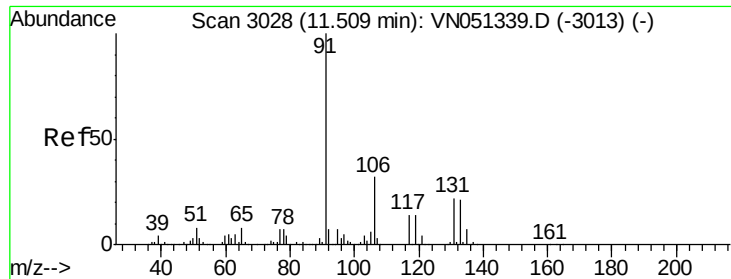
MMDadoda
9/24/2018 2:48:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.468 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion:131 Resp: 160776
Ion Ratio Lower Upper
131 100
133 94.5 47.4 142.2
119 64.4 32.6 97.7





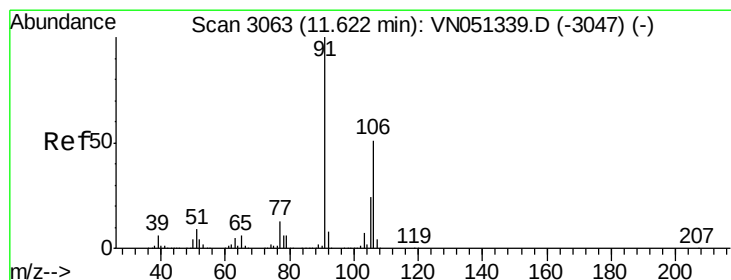
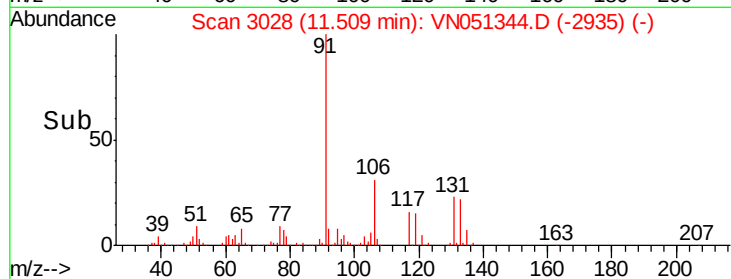
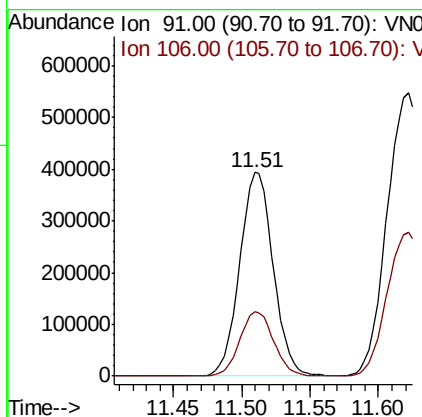
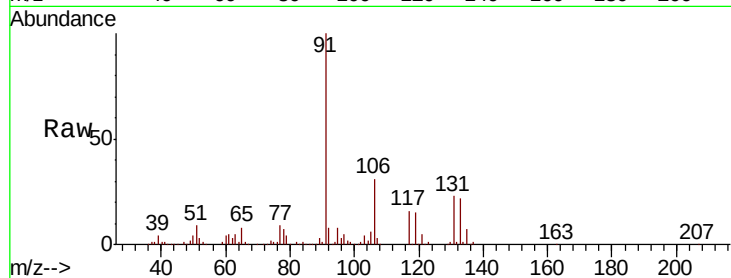
#67
Ethyl Benzene
Concen: 20.838 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampled :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.8	38.8

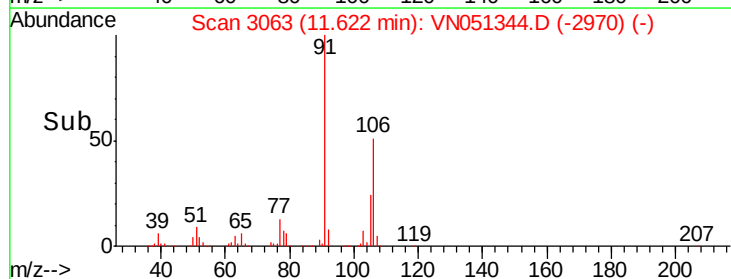
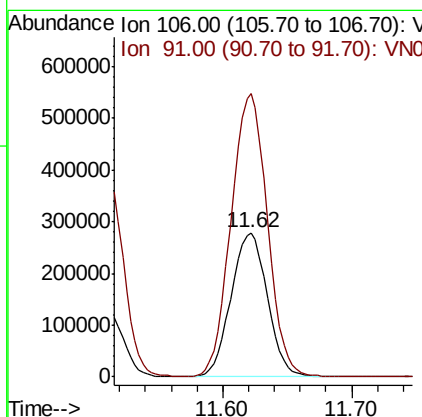
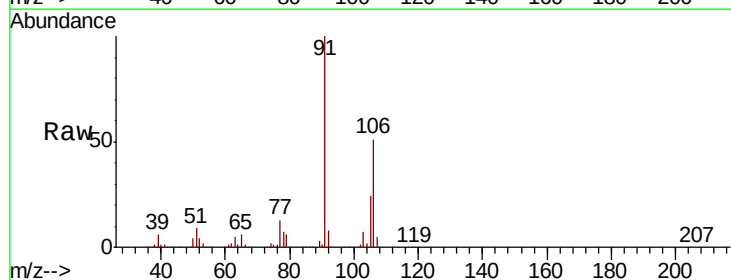
Manual Integrations
APPROVED

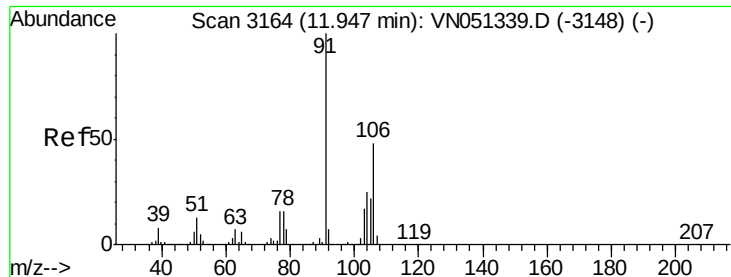
MMDadoda
9/24/2018 2:48:17 PM



#68
m/p-Xylenes
Concen: 42.800 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.2	156.5	234.7





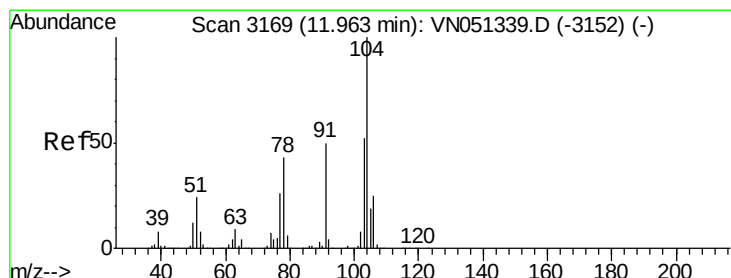
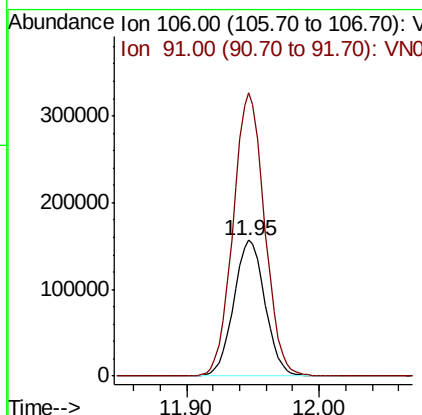
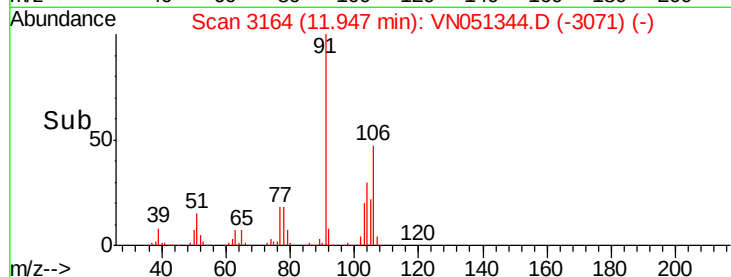
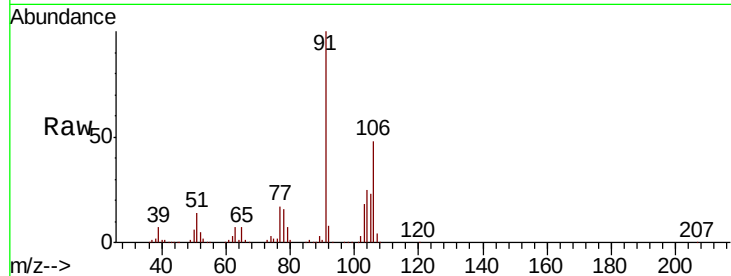
#69
o-Xylene
Concen: 21.049 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampled :
VN0920WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	257322		
91	91	209.1	104.6	313.7	

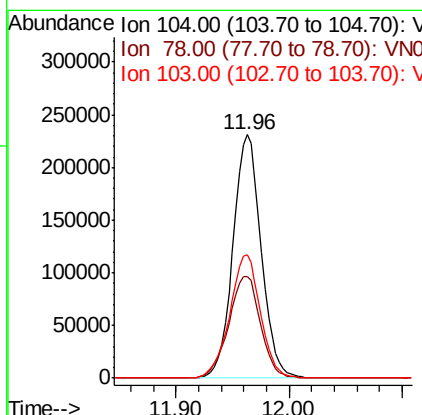
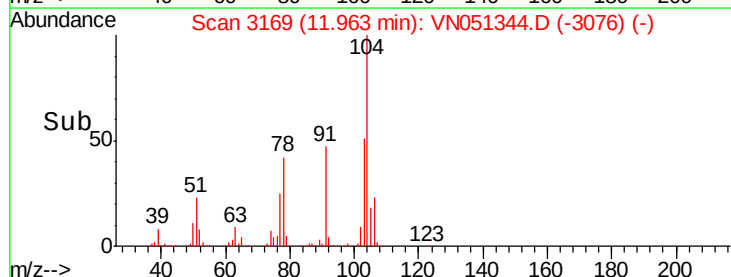
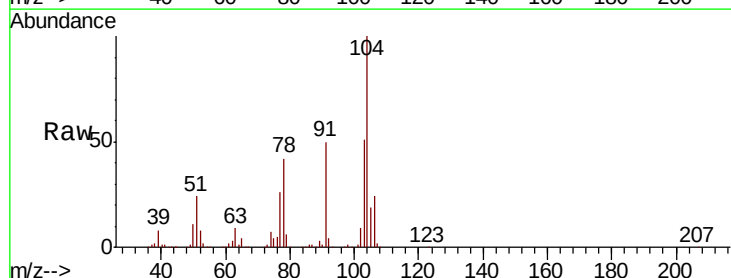
Manual Integrations
APPROVED

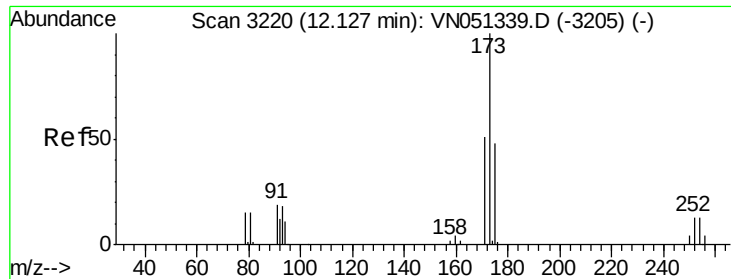
MMDadoda
9/24/2018 2:48:17 PM



#70
Styrene
Concen: 21.131 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	400966		
78	78	47.2	37.8	56.6	
103	103	55.0	44.3	66.5	





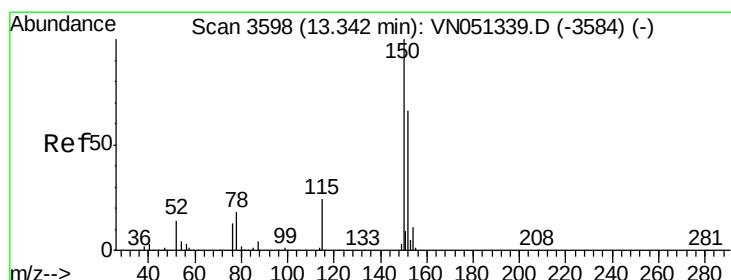
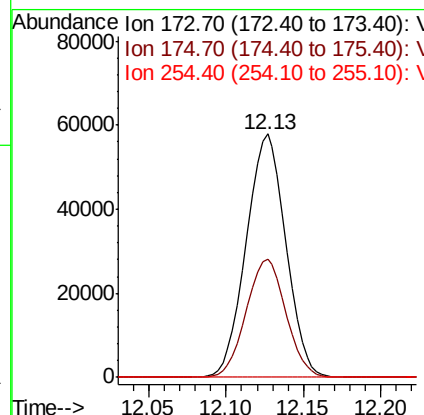
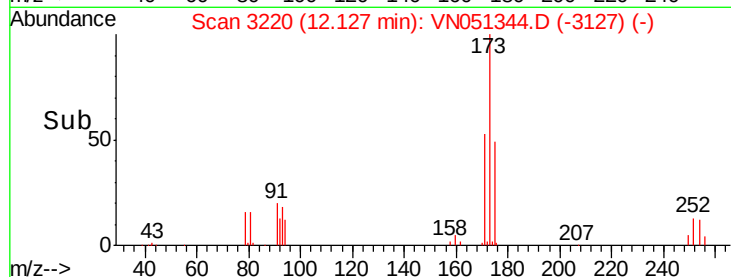
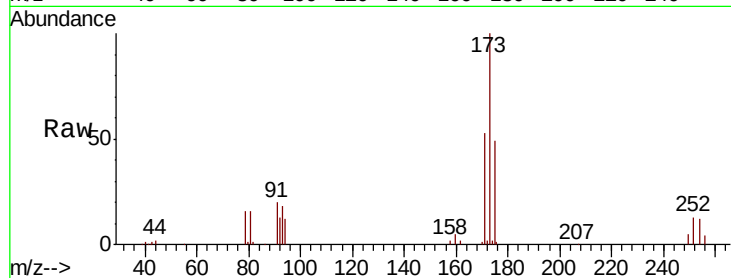
#71
Bromoform
Concen: 19.385 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.0	0.1	0.1#

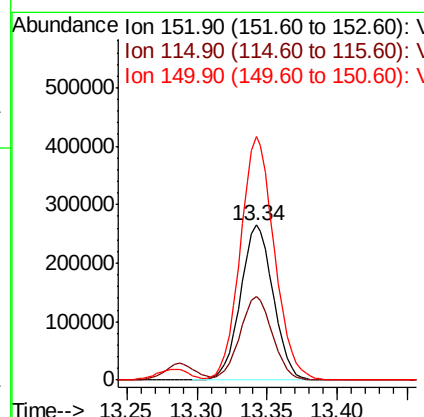
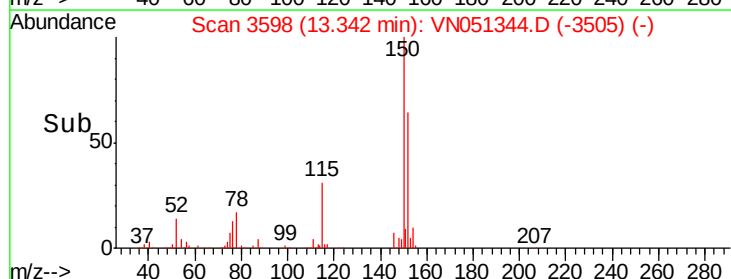
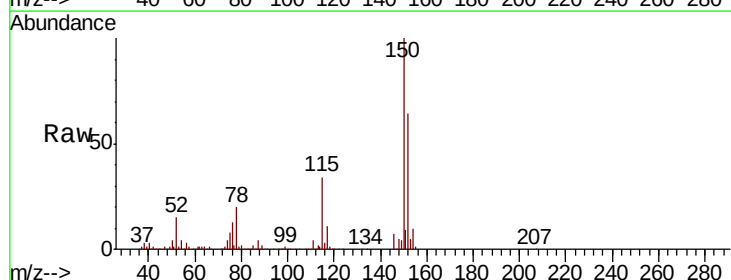
Manual Integrations
APPROVED

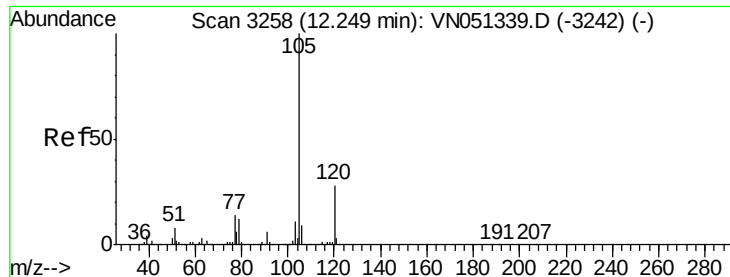
MMDadoda
9/24/2018 2:48:17 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	26.9	80.7
150	163.3	0.0	345.0





#73

Isopropylbenzene

Concen: 21.724 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion: 105 Resp: 685846

Ion Ratio Lower Upper

105 100

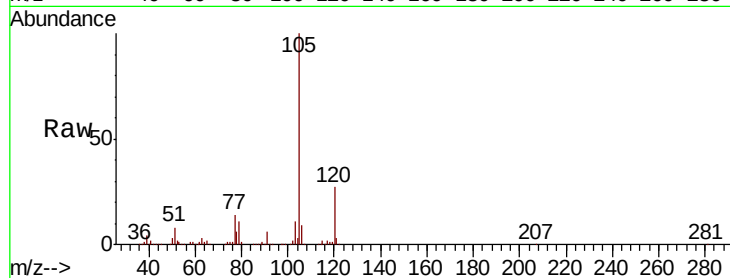
120 27.5 13.9 41.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

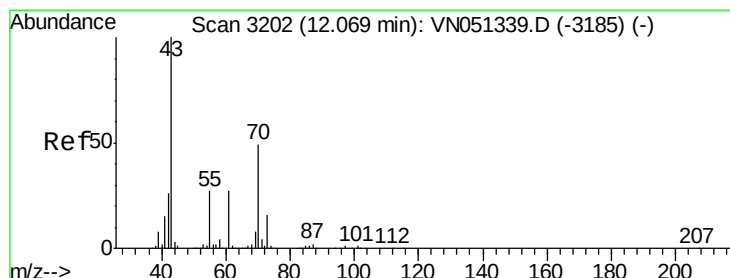
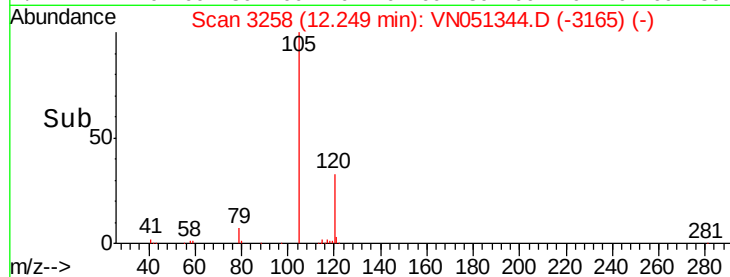
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.397 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Tgt Ion: 43 Resp: 131010

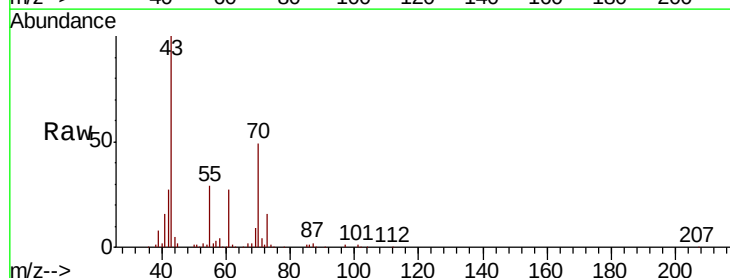
Ion Ratio Lower Upper

43 100

70 48.3 39.5 59.3

55 28.9 22.6 34.0

61 27.0 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

120000

100000

80000

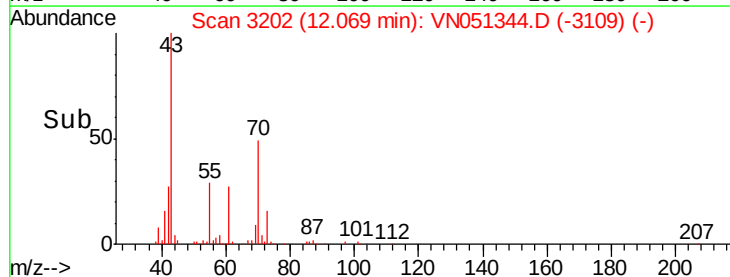
60000

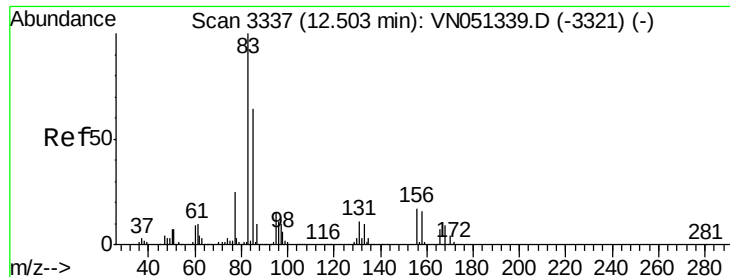
40000

20000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 19.317 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

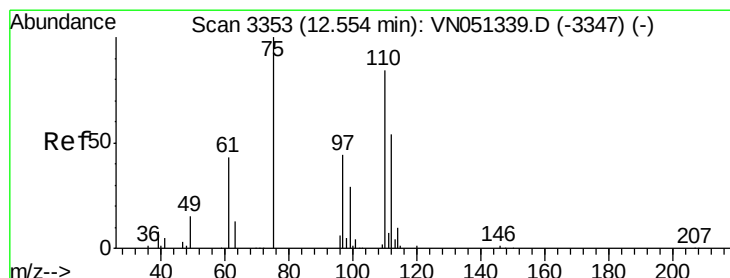
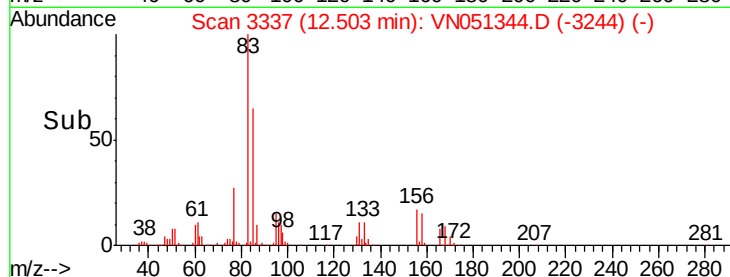
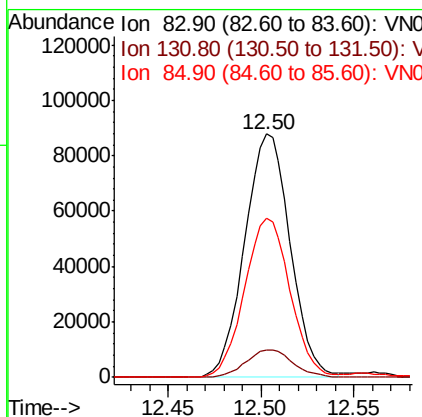
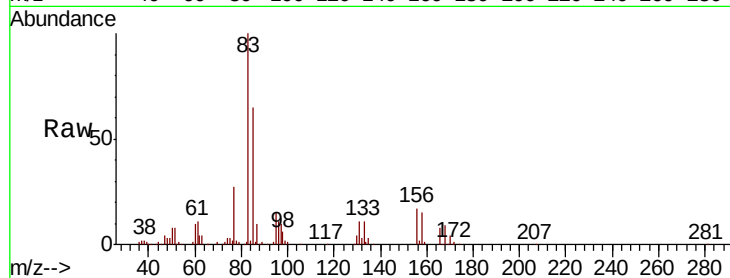
ClientSampleId :

VN0920WBS01

Tot Ion:	83	Resp:	150508
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.7
85	65.3	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM



#76

1,2,3-Trichloropropane

Concen: 20.505 ug/l m

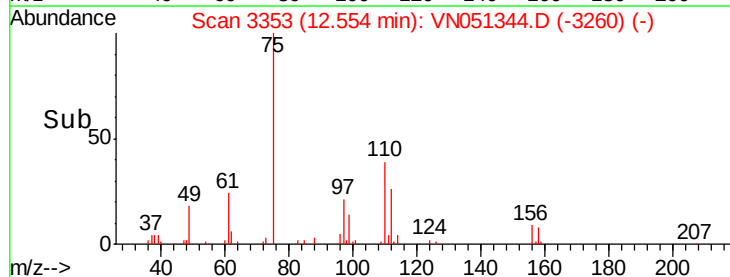
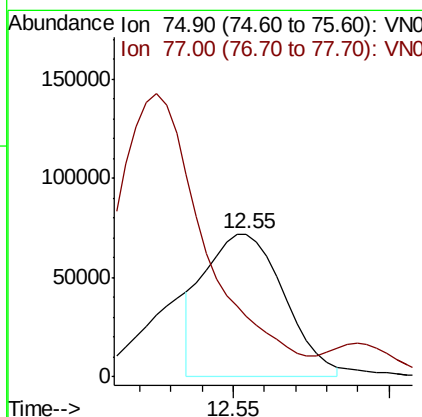
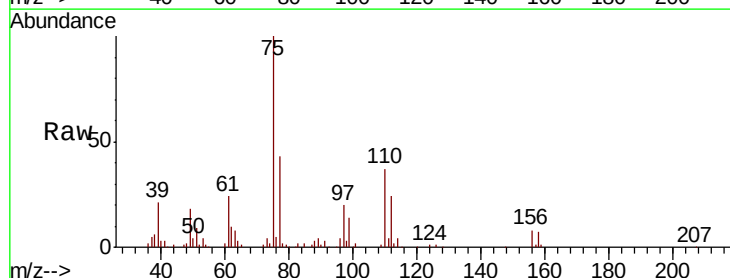
RT: 12.55 min Scan# 3353

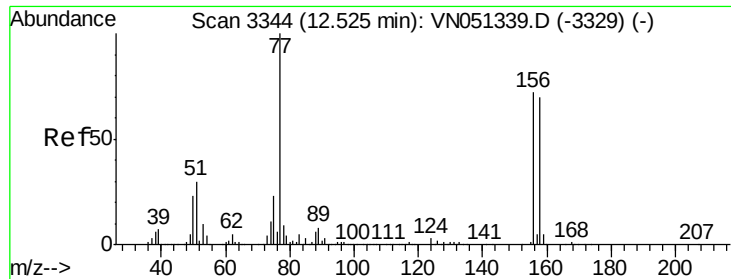
Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Tgt Ion:	75	Resp:	127553
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





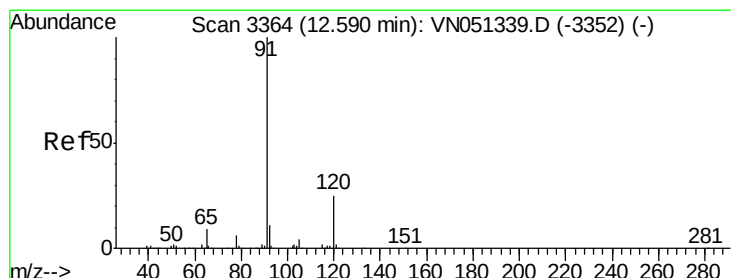
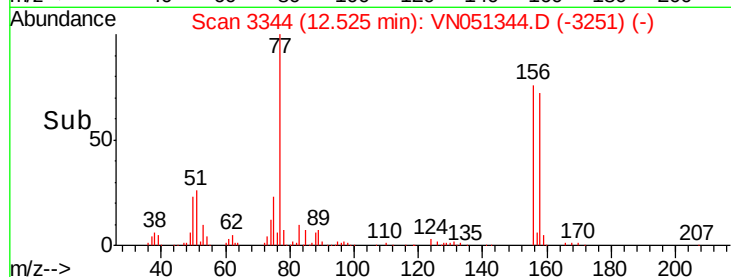
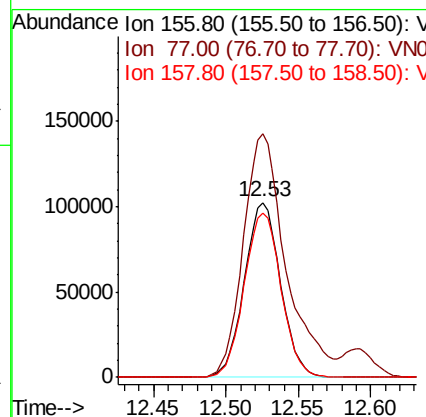
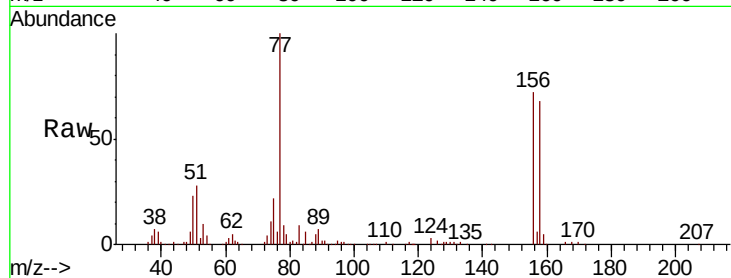
#77
Bromobenzene
Concen: 20.417 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		178090		
77	164.0	80.8	242.4		
158	95.7	48.8	146.3		

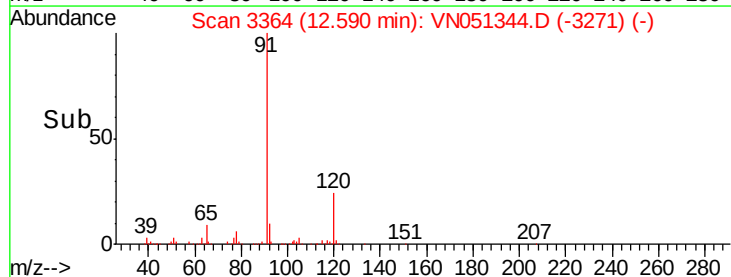
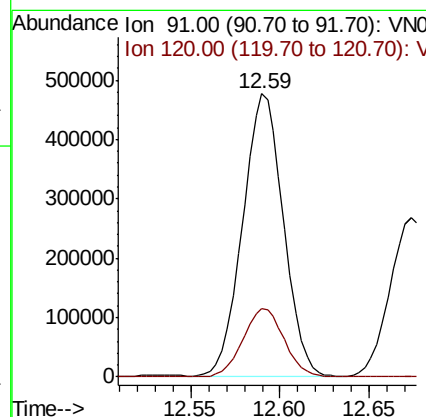
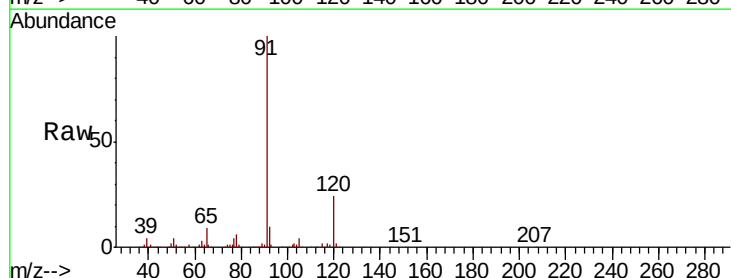
Manual Integrations
APPROVED

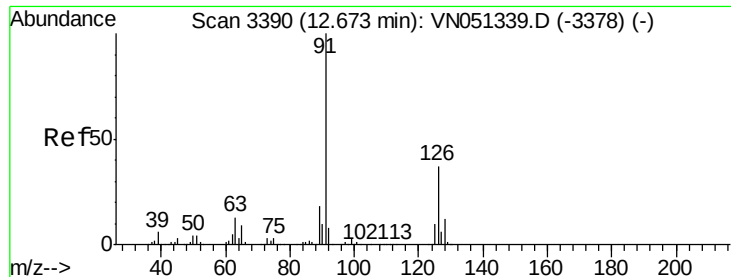
MMDadoda
9/24/2018 2:48:17 PM



#78
n-propylbenzene
Concen: 22.002 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		757291		
120	24.4	12.4	37.2		





#79

2-Chlorotoluene

Concen: 21.312 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion: 91 Resp: 452065

Ion Ratio Lower Upper

91 100

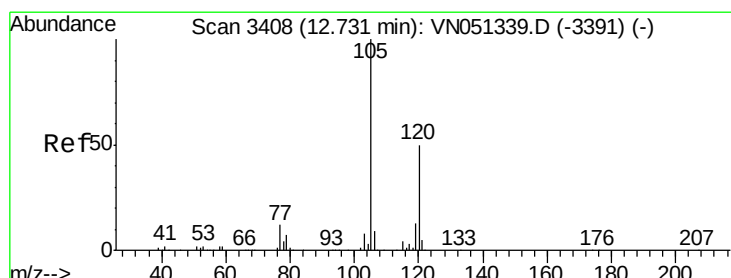
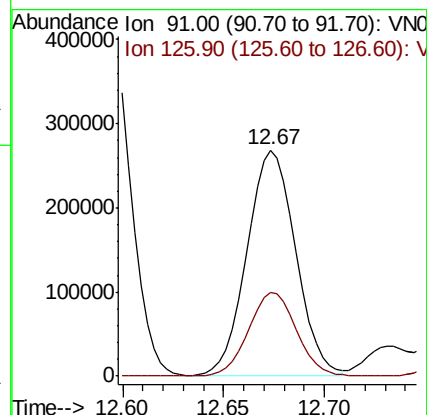
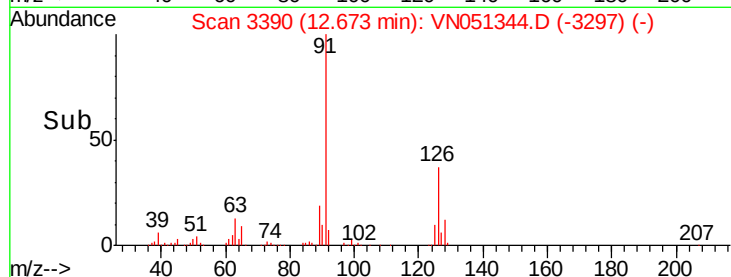
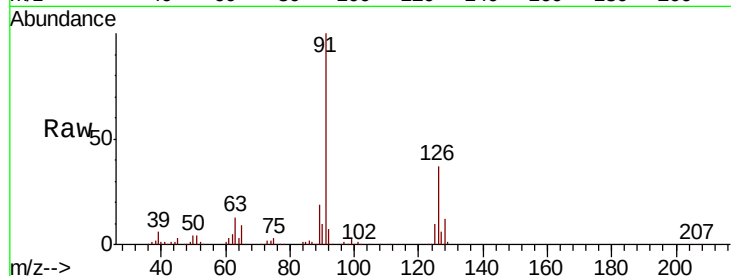
126 36.9 18.6 55.8

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



#80

1,3,5-Trimethylbenzene

Concen: 22.554 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051344.D

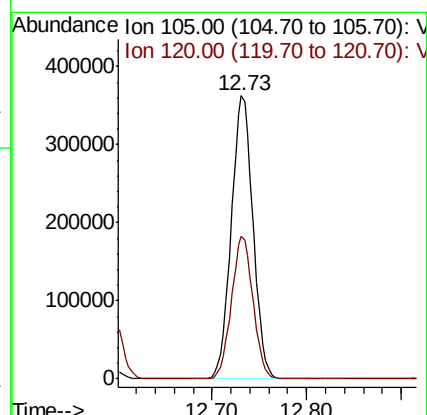
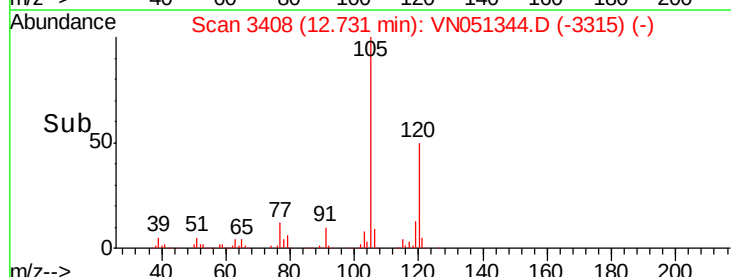
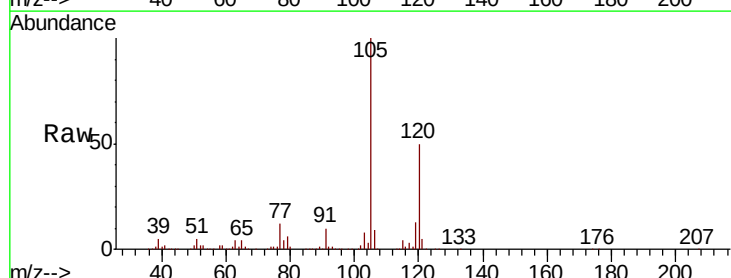
Acq: 20 Sep 2018 17:17

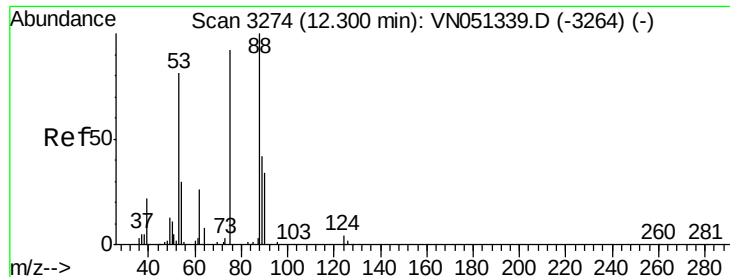
Tgt Ion: 105 Resp: 577245

Ion Ratio Lower Upper

105 100

120 50.0 25.2 75.6





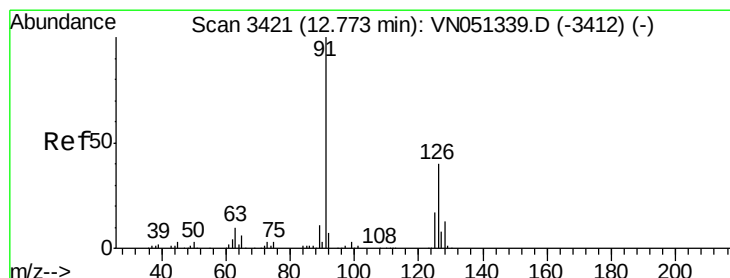
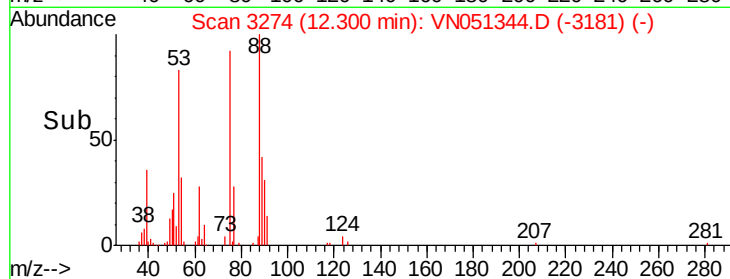
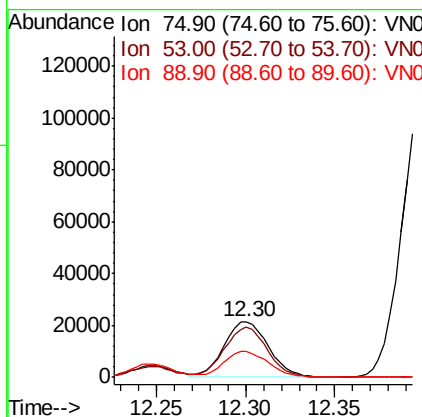
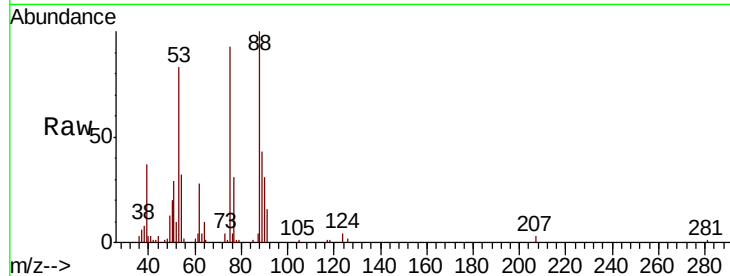
#81
trans-1,4-Dichloro-2-butene
Concen: 21.025 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.1	69.9	104.9
89	46.4	37.9	56.9

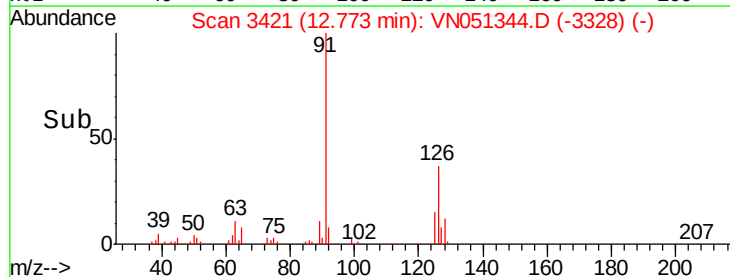
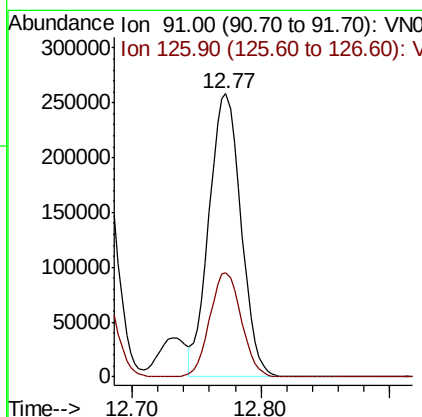
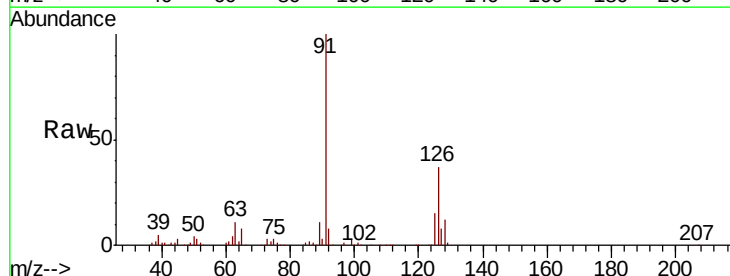
Manual Integrations
APPROVED

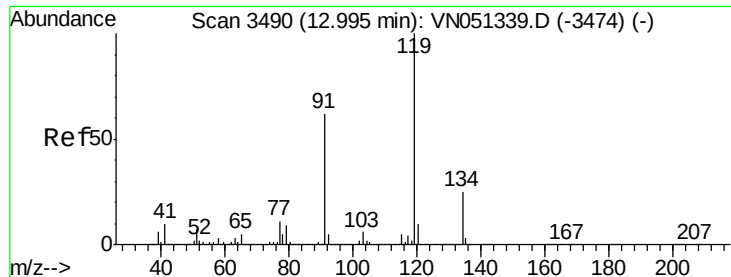
MMDadoda
9/24/2018 2:48:17 PM



#82
4-Chlorotoluene
Concen: 21.602 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.3	54.9





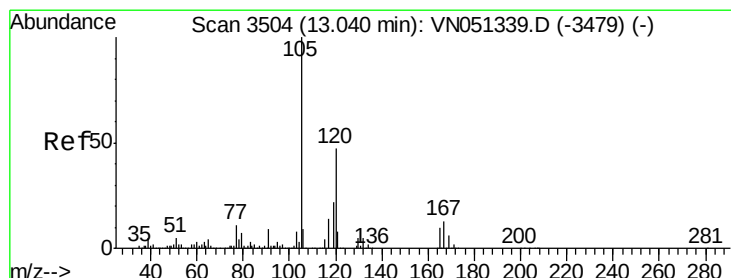
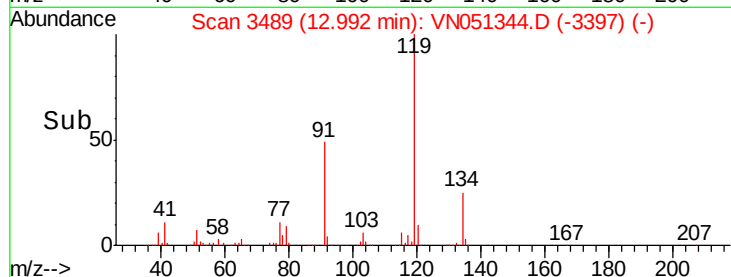
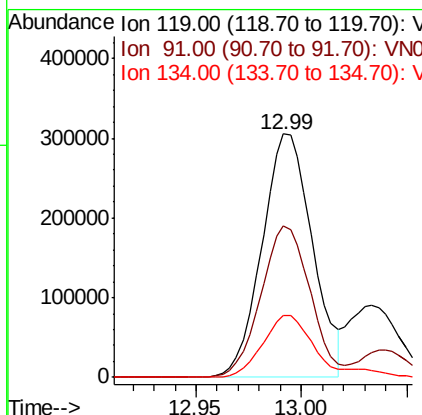
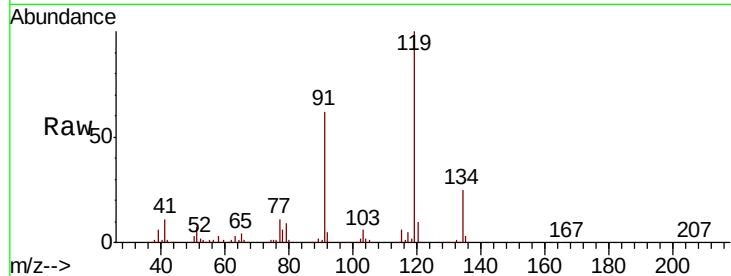
#83
 tert-Butylbenzene
 Concen: 22.186 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.6	91.8
134	27.4	12.6	37.6

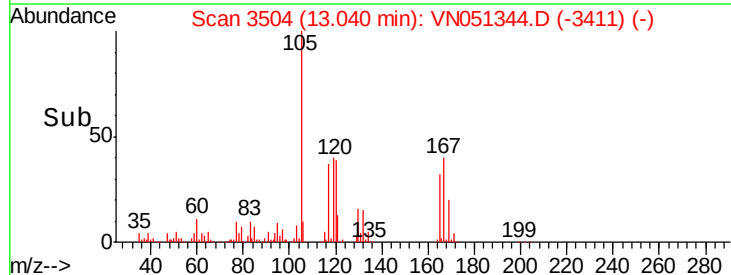
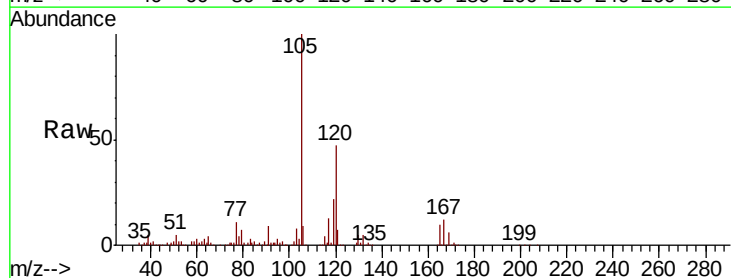
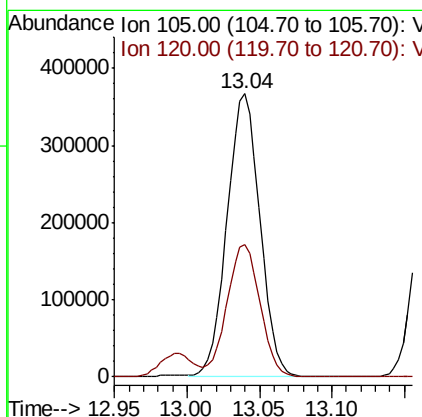
Manual Integrations
 APPROVED

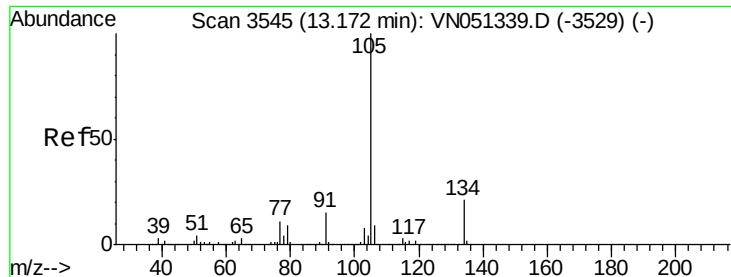
MMDadoda
 9/24/2018 2:48:17 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.694 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.5	70.6





#85

sec-Butylbenzene

Concen: 21.929 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

VN0920WBS01

Tot Ion:105 Resp: 668059

Ion Ratio Lower Upper

105 100

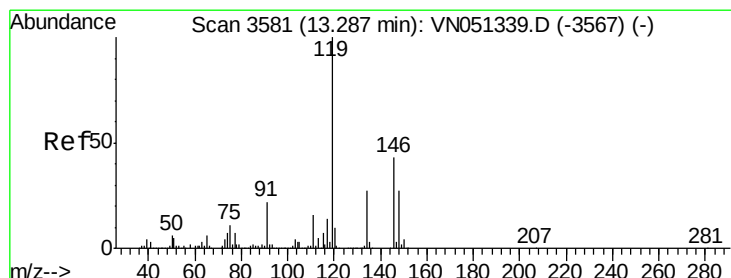
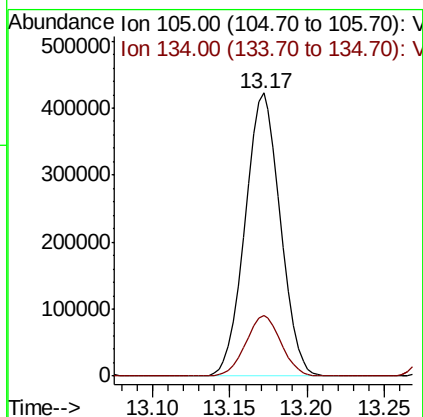
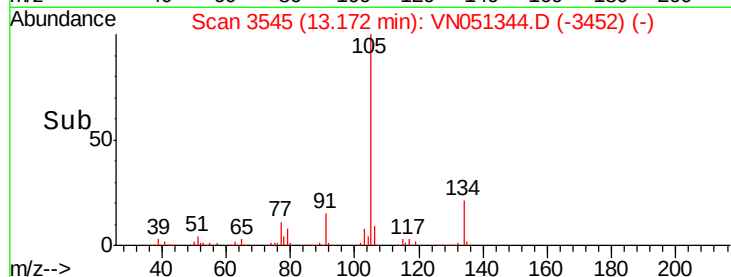
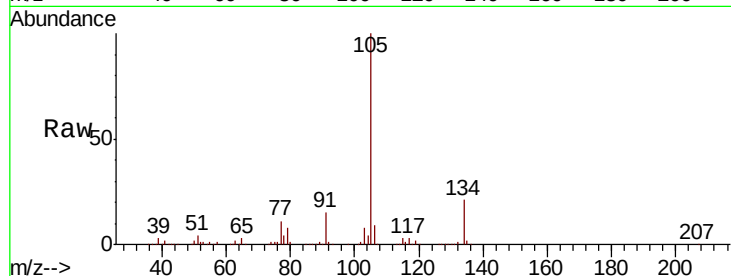
134 21.4 10.8 32.3

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:17 PM



#86

p-Isopropyltoluene

Concen: 22.272 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

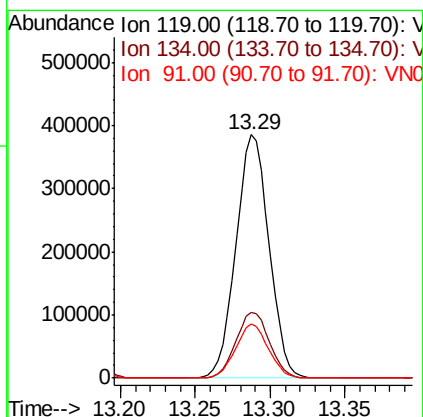
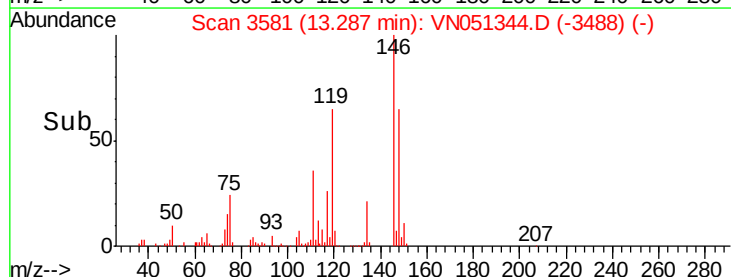
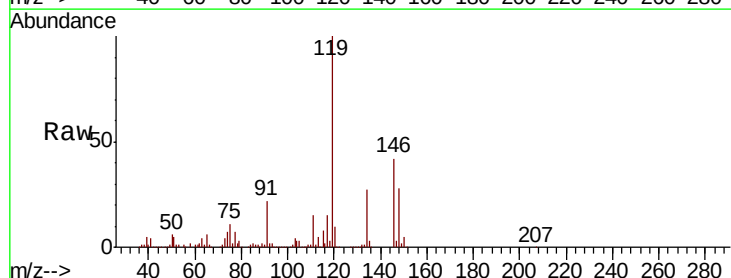
Tgt Ion:119 Resp: 590501

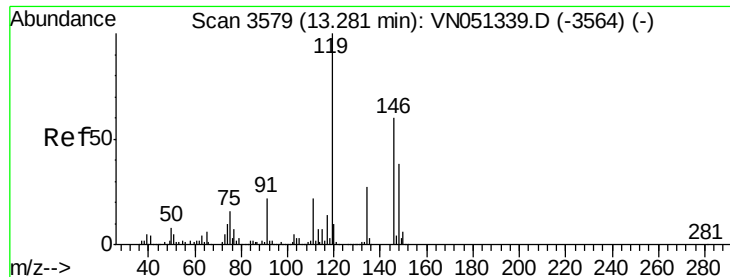
Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.0

91 22.0 10.8 32.3





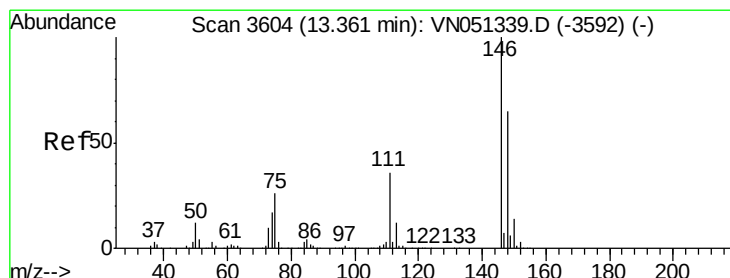
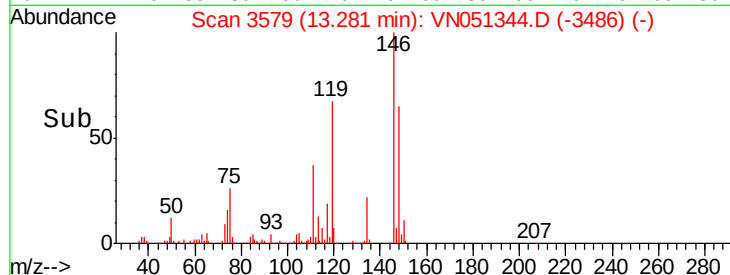
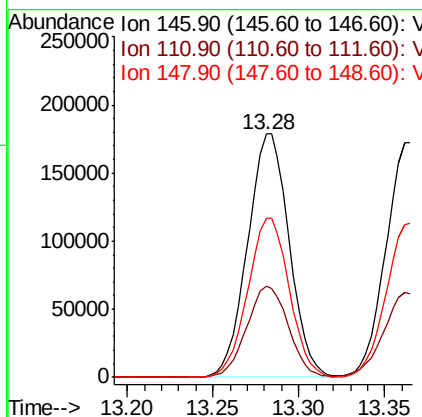
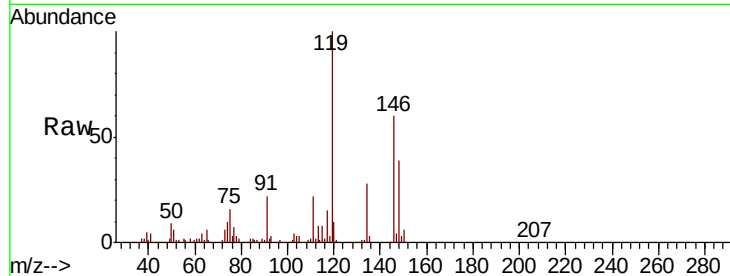
#87
 1,3-Dichlorobenzene
 Concen: 20.421 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	299405		
111	37.4	18.6	55.8	
148	65.2	31.9	95.7	

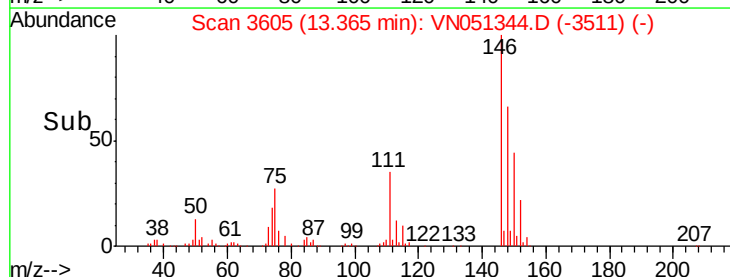
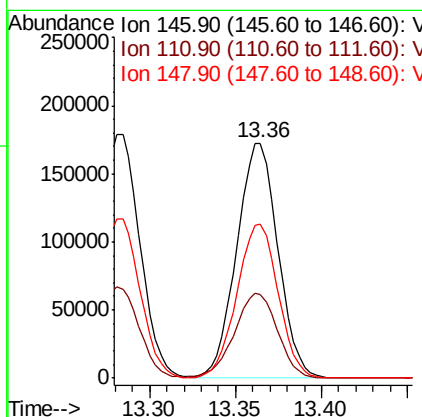
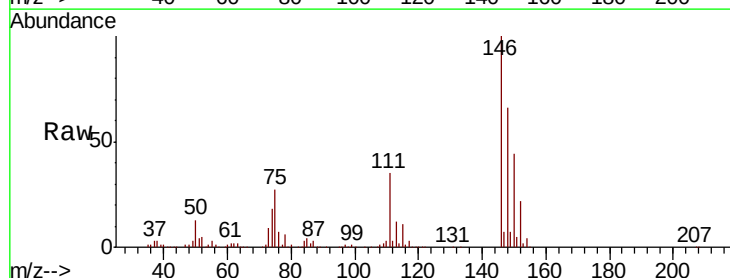
Manual Integrations
 APPROVED

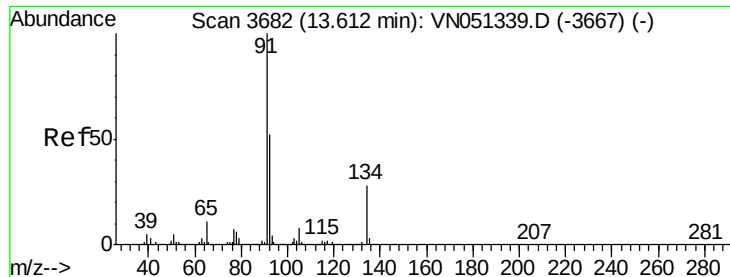
MMDadoda
 9/24/2018 2:48:17 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.154 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	286450		
111	37.8	18.2	54.6	
148	65.8	32.5	97.4	





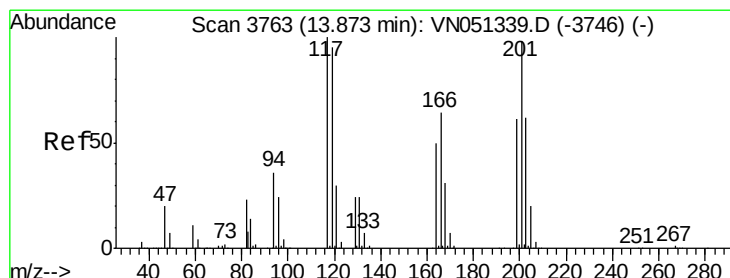
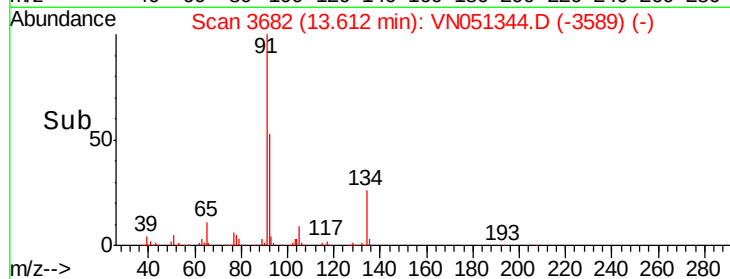
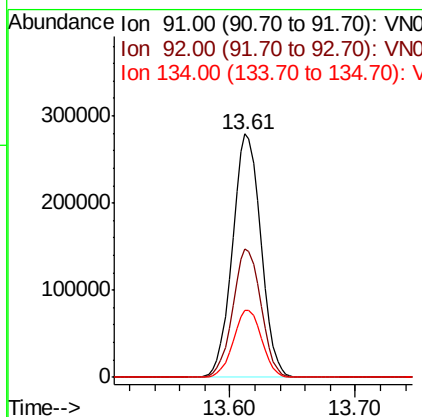
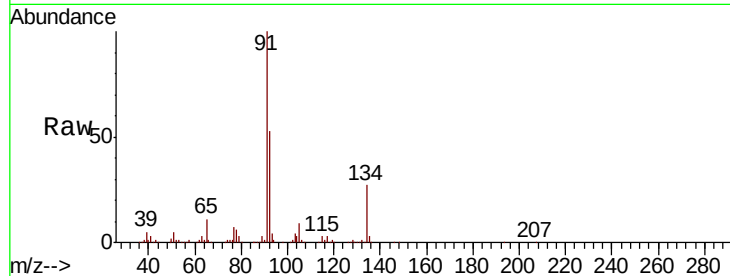
#89
n-Butylbenzene
Concen: 21.348 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Instrument :
MSVOA_N
ClientSampleId :
VN0920WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	27.6	14.1	42.4

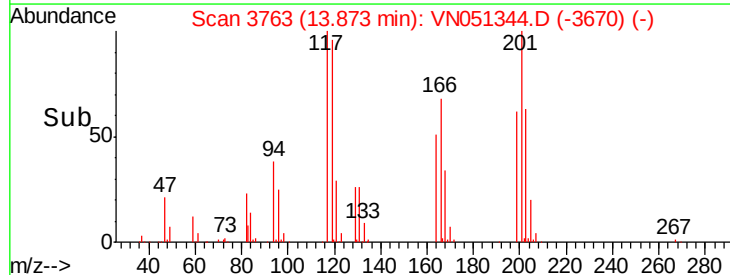
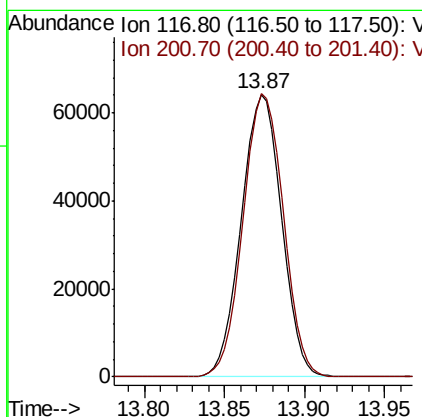
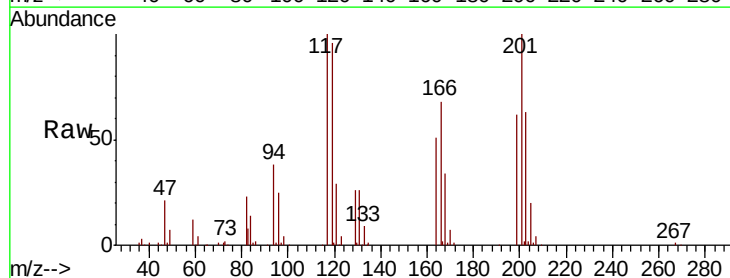
Manual Integrations
APPROVED

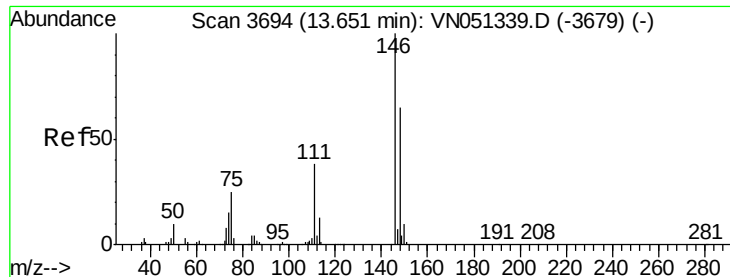
MMDadoda
9/24/2018 2:48:17 PM



#90
Hexachloroethane
Concen: 19.408 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051344.D
Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.6	49.5	148.3





#91

1,2-Dichlorobenzene

Concen: 20.811 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

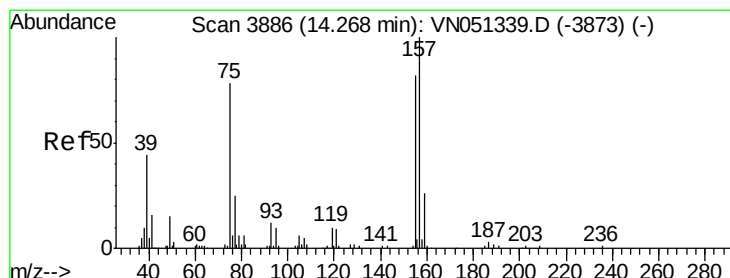
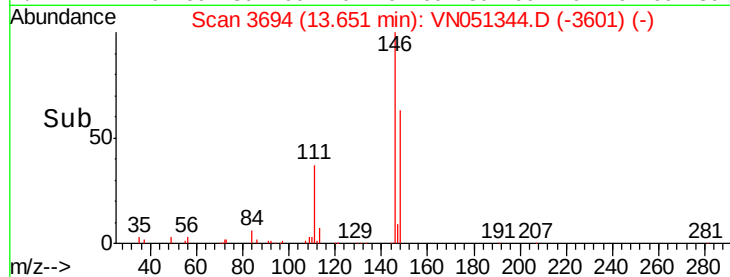
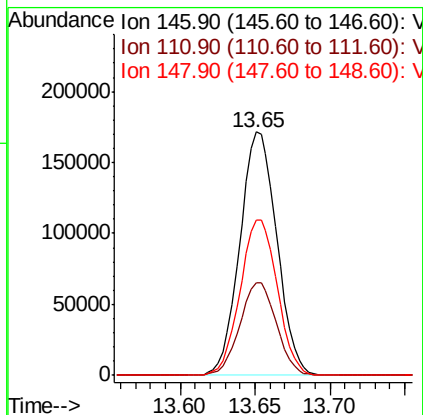
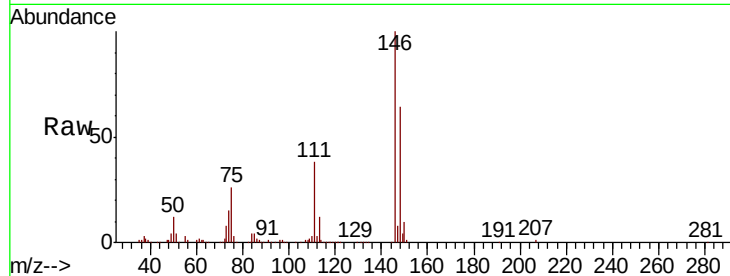
ClientSampleId :

VN0920WBS01

Tot Ion:	146	Resp:	294762
Ion Ratio		Lower	Upper
146	100		
111	37.8	19.3	57.8
148	64.2	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.195 ug/l

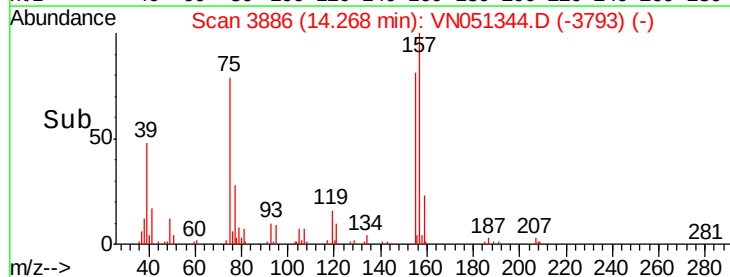
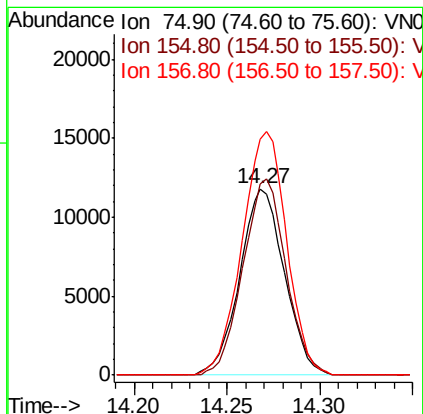
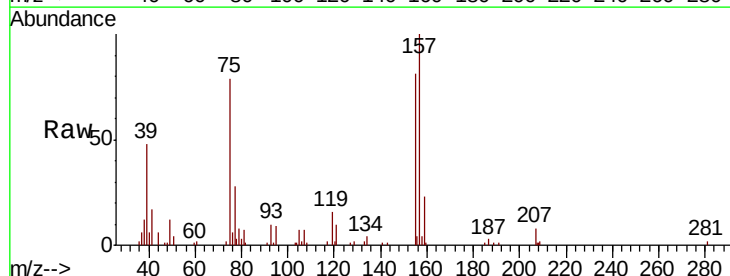
RT: 14.27 min Scan# 3886

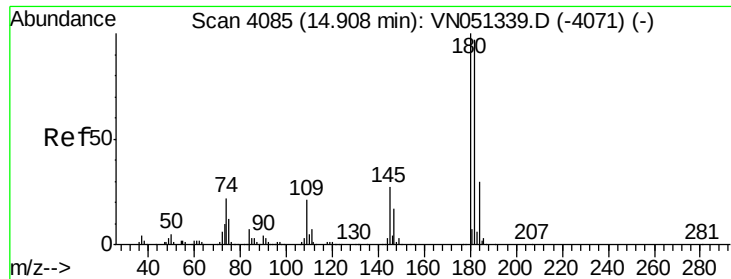
Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Tgt Ion:	75	Resp:	19808
Ion Ratio		Lower	Upper
75	100		
155	101.7	51.4	154.2
157	130.3	65.4	196.2





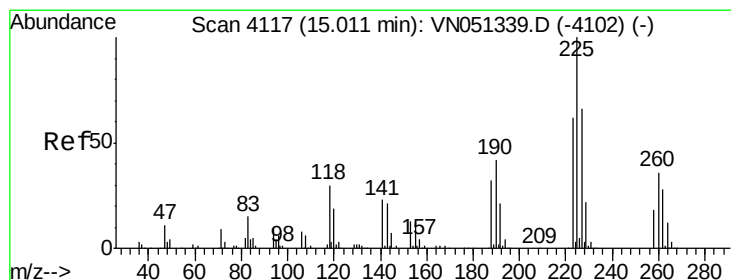
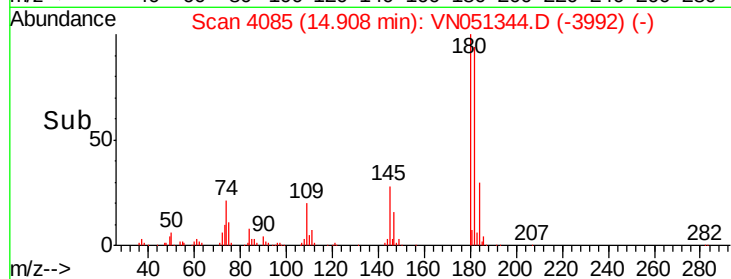
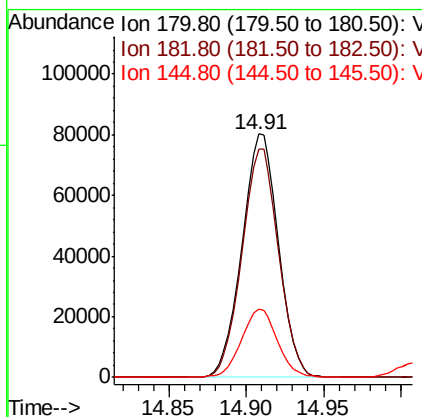
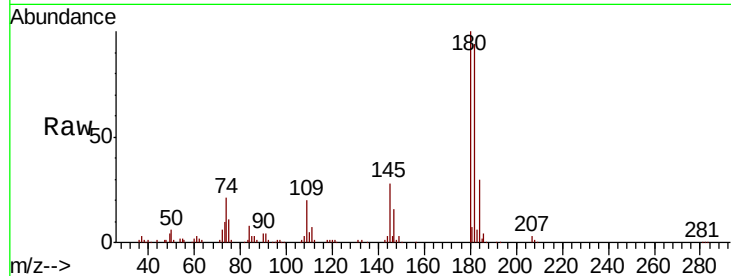
#93
 1,2,4-Trichlorobenzene
 Concen: 20.266 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131585		
182	94.3	48.4	145.2	
145	27.7	13.7	41.1	

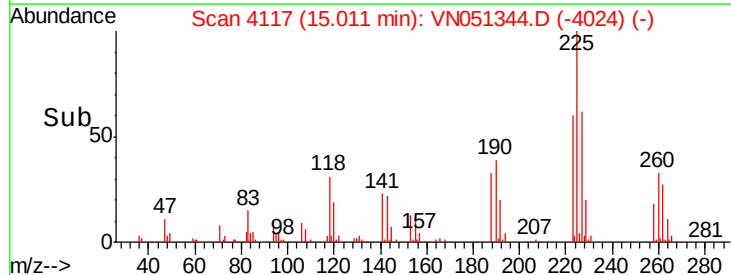
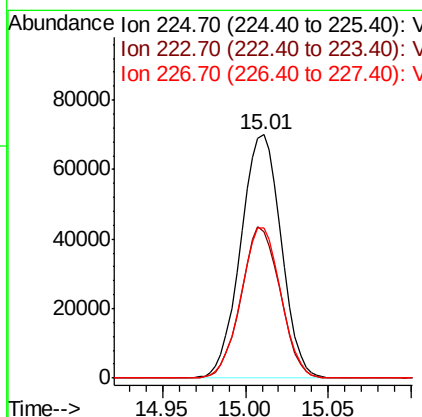
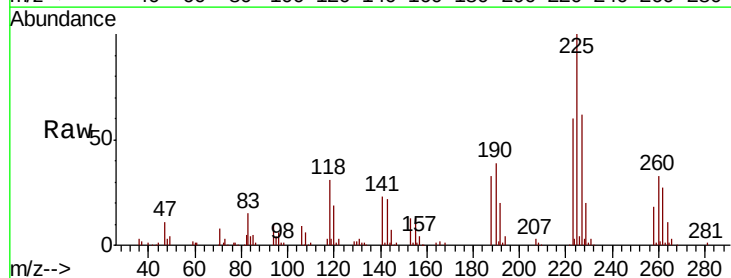
Manual Integrations
 APPROVED

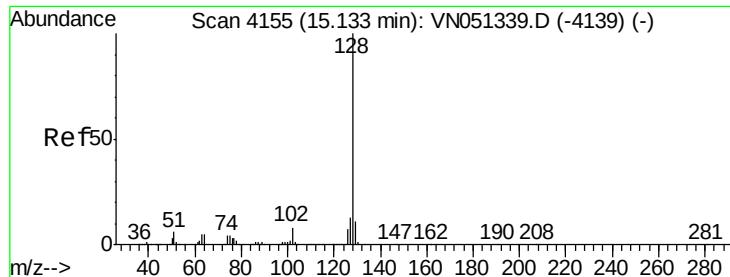
MMDadoda
 9/24/2018 2:48:17 PM



#94
 Hexachlorobutadiene
 Concen: 21.658 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051344.D
 Acq: 20 Sep 2018 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	119045		
223	60.0	31.2	93.6	
227	60.8	32.8	98.4	





#95

Naphthalene

Concen: 18.667 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Instrument :

MSVOA_N

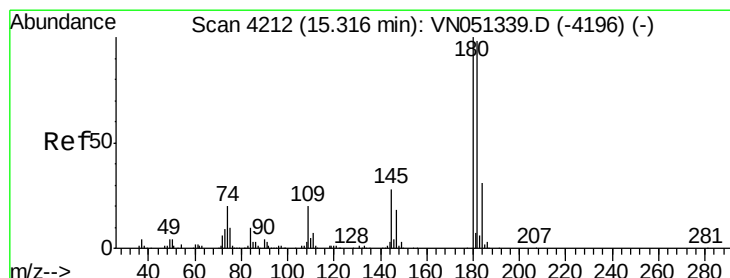
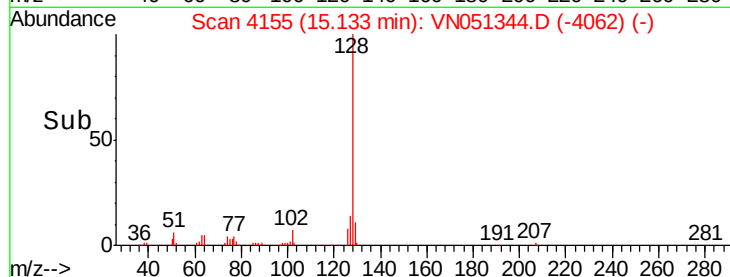
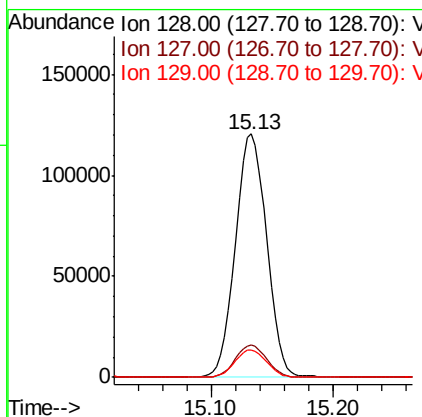
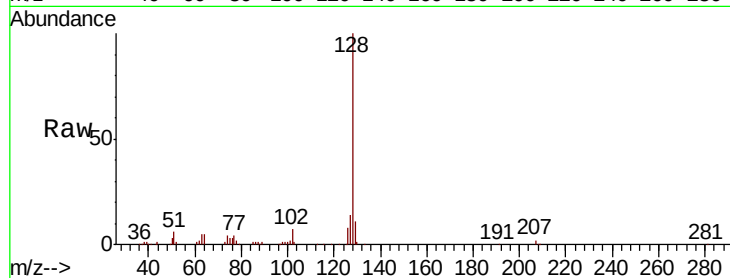
ClientSampleId :

VN0920WBS01

Tot Ion:	128	Resp:	213657
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:48:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.827 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051344.D

Acq: 20 Sep 2018 17:17

Tgt Ion:	180	Resp:	134544
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.1	144.3
145	29.2	14.3	42.9

