

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052424.D
 Acq On : 20 Nov 2018 22:38
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 5:12:55 PM

Quant Time: Nov 21 01:03:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	259790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	436350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	394291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185539	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	205832	56.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.20%	
35) Dibromofluoromethane	7.59	113	149954	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	10.09	98	563858	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	197684	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	132805	48.24	ug/l	99
3) Chloromethane	2.06	50	184975	48.35	ug/l	99
4) Vinyl Chloride	2.19	62	160179	48.44	ug/l	99
5) Bromomethane	2.57	94	77293	37.49	ug/l	96
6) Chloroethane	2.71	64	91767	49.08	ug/l	98
7) Trichlorofluoromethane	3.02	101	231917	50.68	ug/l	99
8) Diethyl Ether	3.41	74	84928	48.69	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134185	46.43	ug/l	99
10) Methyl Iodide	3.96	142	163707	42.19	ug/l	96
11) Tert butyl alcohol	4.78	59	47054	242.83	ug/l	96
12) 1,1-Dichloroethene	3.74	96	123378	46.13	ug/l	95
13) Acrolein	3.61	56	94436	316.74	ug/l	99
14) Allyl chloride	4.33	41	259444	47.25	ug/l	92
15) Acrylonitrile	4.99	53	280001	253.06	ug/l	99
16) Acetone	3.82	43	225016	222.73	ug/l	94
17) Carbon Disulfide	4.06	76	367276	47.89	ug/l	100
18) Methyl Acetate	4.33	43	149958	52.95	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	396217	51.56	ug/l	100
20) Methylene Chloride	4.55	84	159950	52.07	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	134855	46.84	ug/l	93
22) Diisopropyl ether	5.95	45	591473	52.79	ug/l	99
23) Vinyl Acetate	5.90	43	1948553	256.37	ug/l	99
24) 1,1-Dichloroethane	5.85	63	304287	50.65	ug/l	99
25) 2-Butanone	6.83	43	355650	250.10	ug/l	97
26) 2,2-Dichloropropane	6.83	77	191249	43.29	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	159416	47.56	ug/l	93
28) Bromochloromethane	7.20	49	155303	50.27	ug/l	98
29) Tetrahydrofuran	7.21	42	242488	259.58	ug/l	98
30) Chloroform	7.37	83	298518	52.14	ug/l	96
31) Cyclohexane	7.66	56	267557	47.92	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	252944	51.86	ug/l	98
36) 1,1-Dichloropropene	7.80	75	223237	51.04	ug/l	99
37) Ethyl Acetate	6.93	43	162686	51.25	ug/l	97
38) Carbon Tetrachloride	7.78	117	217756	54.19	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052424.D
 Acq On : 20 Nov 2018 22:38
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 5:12:55 PM

Quant Time: Nov 21 01:03:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	238779	47.83	ug/l	97
40) Benzene	8.04	78	627048	50.19	ug/l	96
41) Methacrylonitrile	7.18	41	93556	52.84	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	248481	55.77	ug/l	98
43) Isopropyl Acetate	8.17	43	311234	50.82	ug/l	99
44) Trichloroethene	8.84	130	152419	49.52	ug/l	98
45) 1,2-Dichloropropane	9.12	63	180507	50.91	ug/l	98
46) Dibromomethane	9.21	93	106747	52.00	ug/l	96
47) Bromodichloromethane	9.40	83	234559	55.68	ug/l	98
48) Methyl methacrylate	9.20	41	155867	50.15	ug/l	97
49) 1,4-Dioxane	9.20	88	25349	1062.51	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	846388	274.53	ug/l	98
52) Toluene	10.16	92	383287	51.28	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	219596	51.69	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	252933	52.23	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	138381	51.07	ug/l	95
56) Ethyl methacrylate	10.43	69	182434	51.20	ug/l	95
57) 1,3-Dichloropropane	10.71	76	251833	52.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	541678	267.01	ug/l	99
59) 2-Hexanone	10.75	43	570008	268.79	ug/l	98
60) Dibromochloromethane	10.90	129	158807	54.17	ug/l	99
61) 1,2-Dibromoethane	11.00	107	134494	49.83	ug/l	99
64) Tetrachloroethene	10.63	164	139619	49.81	ug/l	99
65) Chlorobenzene	11.43	112	414715	49.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148912	52.40	ug/l	100
67) Ethyl Benzene	11.51	91	751943	51.98	ug/l	100
68) m/p-Xylenes	11.62	106	552951	104.62	ug/l	97
69) o-Xylene	11.95	106	269777	53.25	ug/l	98
70) Styrene	11.96	104	440725	54.33	ug/l	99
71) Bromoform	12.13	173	96621	57.58	ug/l #	97
73) Isopropylbenzene	12.25	105	740210	49.62	ug/l	98
74) N-amyl acetate	12.07	43	260990	49.12	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	174482	48.39	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	150698m	47.87	ug/l	
77) Bromobenzene	12.53	156	166185	47.88	ug/l	96
78) n-propylbenzene	12.59	91	876496	50.24	ug/l	99
79) 2-Chlorotoluene	12.67	91	510659	50.11	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	606117	51.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45685	47.07	ug/l	93
82) 4-Chlorotoluene	12.77	91	520128	49.81	ug/l	97
83) tert-Butylbenzene	12.99	119	516789	49.34	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	611408	51.34	ug/l	99
85) sec-Butylbenzene	13.17	105	724280	50.77	ug/l	99
86) p-Isopropyltoluene	13.29	119	620792	51.37	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	303965	49.31	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	302842	49.42	ug/l	99
89) n-Butylbenzene	13.61	91	549005	52.89	ug/l	100
90) Hexachloroethane	13.87	117	107587	50.26	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	299997	50.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29609	55.68	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
Data File : VN052424.D
Acq On : 20 Nov 2018 22:38
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

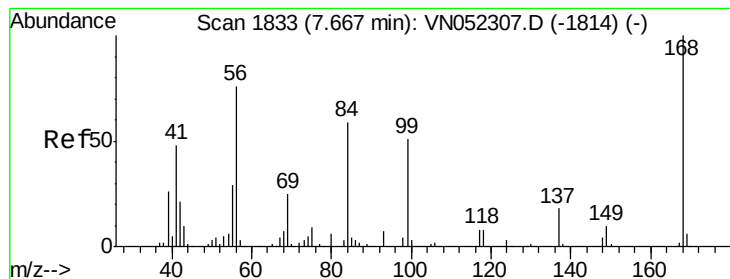
Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:55 PM

Quant Time: Nov 21 01:03:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134732	48.55	ug/l	99
94) Hexachlorobutadiene	15.01	225	69964	51.18	ug/l	99
95) Naphthalene	15.13	128	312232	47.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	123823	54.56	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 259790

Ion Ratio Lower Upper

168 100

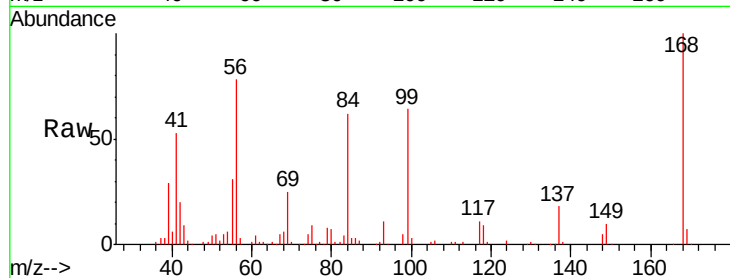
99 63.5 47.9 71.9

Manual Integrations

APPROVED

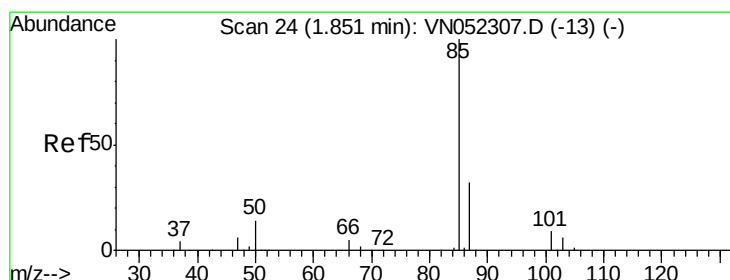
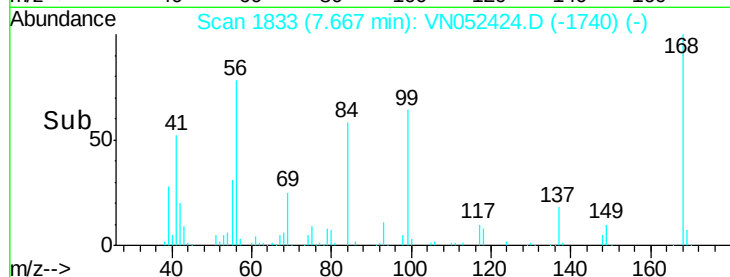
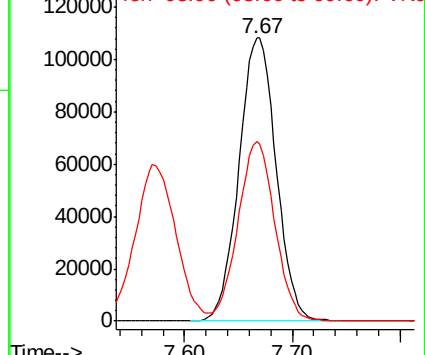
MMDadoda

11/21/2018 5:12:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 48.24 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052424.D

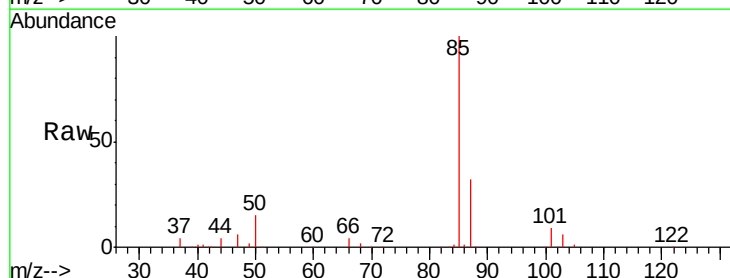
Acq: 20 Nov 2018 22:38

Tgt Ion: 85 Resp: 132805

Ion Ratio Lower Upper

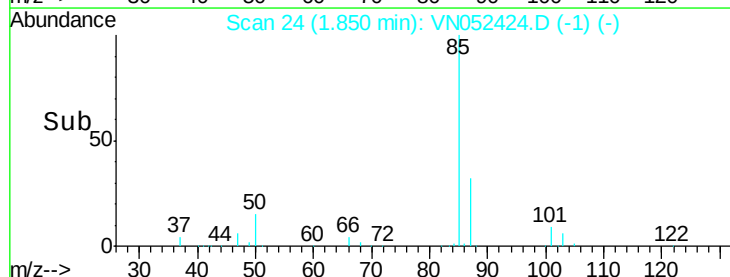
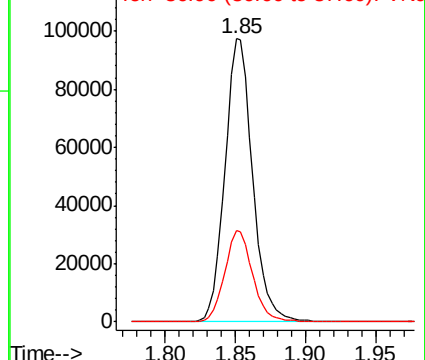
85 100

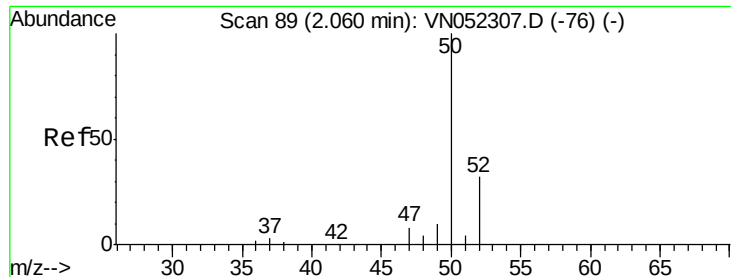
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 48.35 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 184975

Ion Ratio Lower Upper

50 100

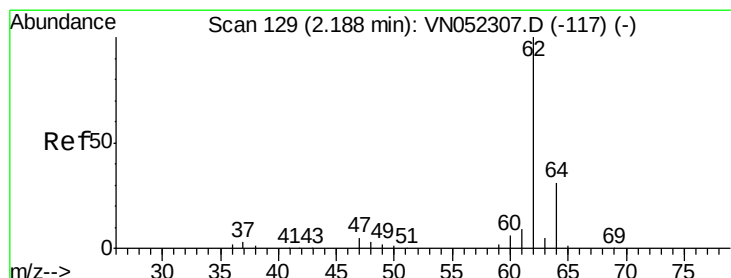
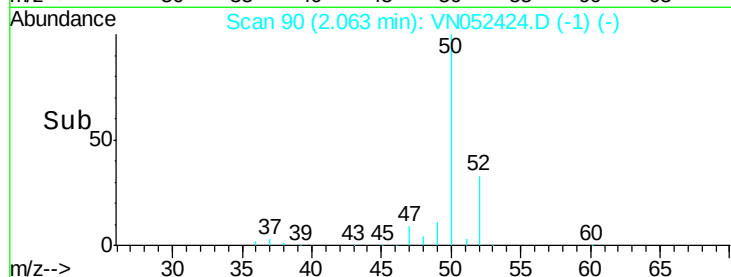
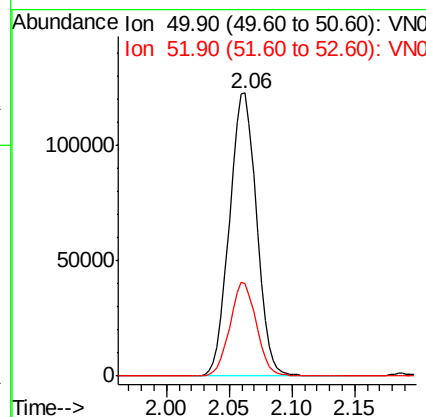
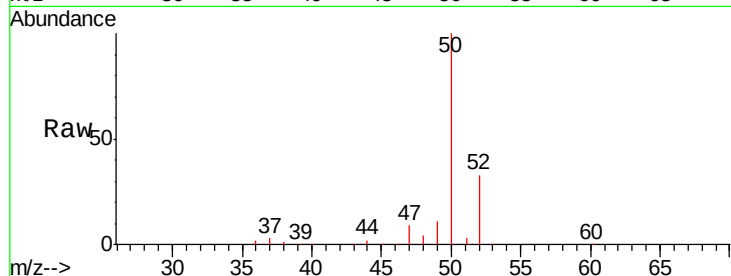
52 32.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

11/21/2018 5:12:55 PM



#4

Vinyl Chloride

Concen: 48.44 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052424.D

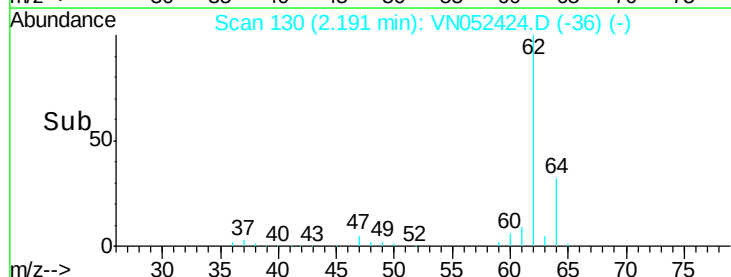
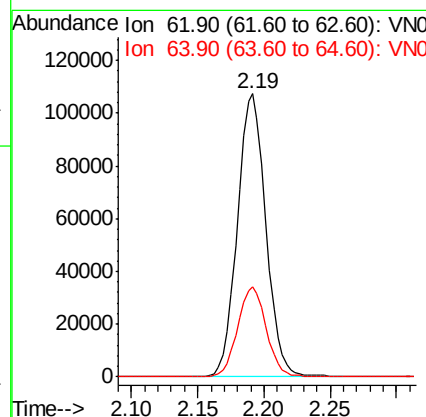
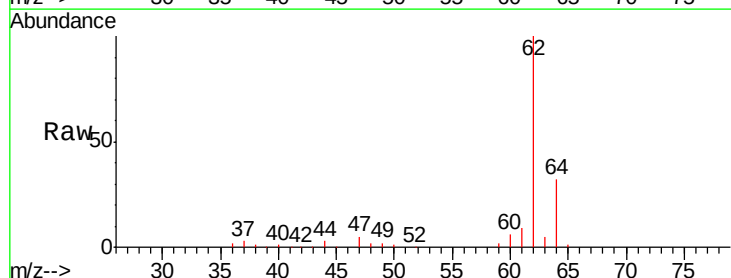
Acq: 20 Nov 2018 22:38

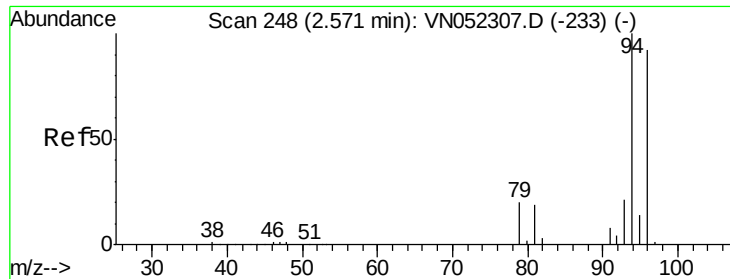
Tgt Ion: 62 Resp: 160179

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





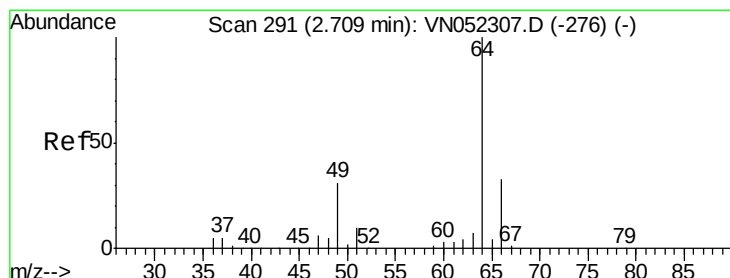
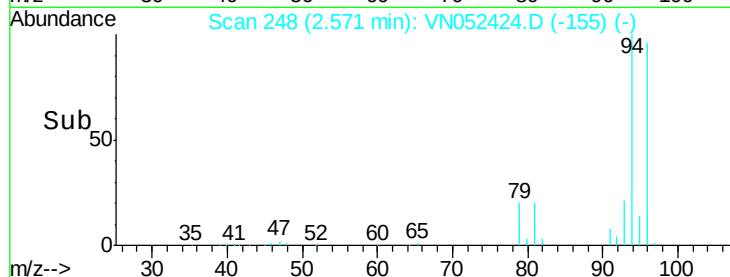
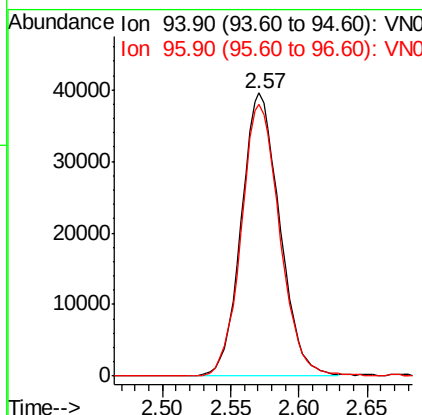
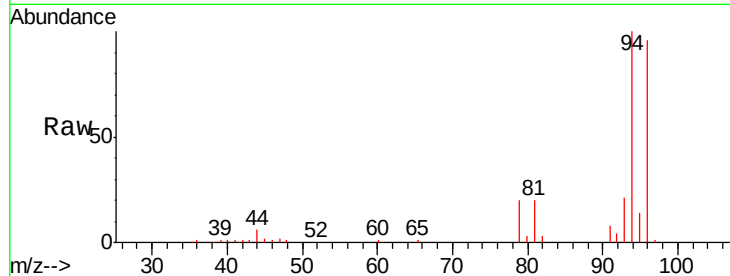
#5
Bromomethane
Concen: 37.49 ug/l
RT: 2.57 min Scan# 248
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 77293
Ion Ratio Lower Upper
94 100
96 95.9 73.6 110.4

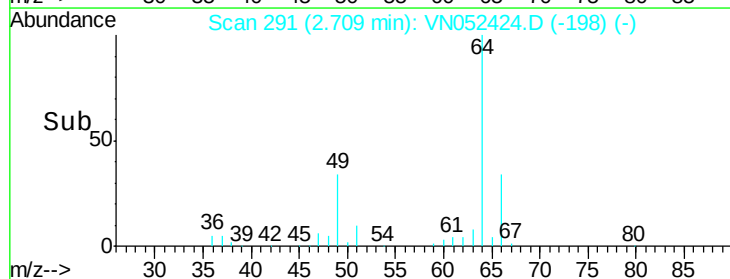
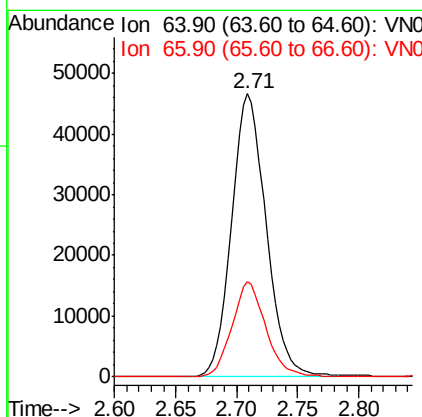
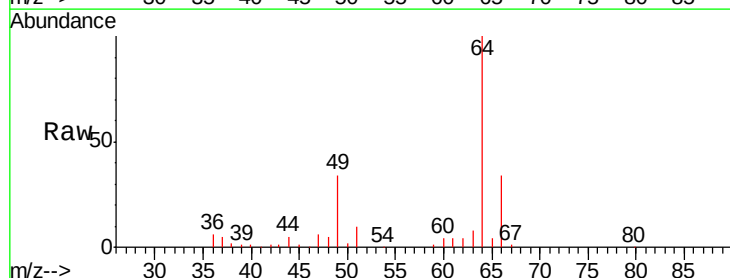
Manual Integrations
APPROVED

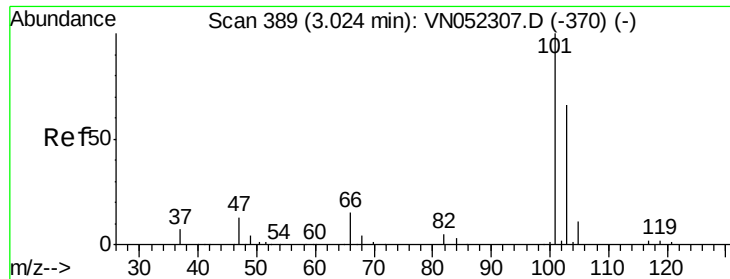
MMDadoda
11/21/2018 5:12:55 PM



#6
Chloroethane
Concen: 49.08 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion: 64 Resp: 91767
Ion Ratio Lower Upper
64 100
66 33.9 26.2 39.2





#7

Trichlorofluoromethane

Concen: 50.68 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 101 Resp: 231917

Ion Ratio Lower Upper

101 100

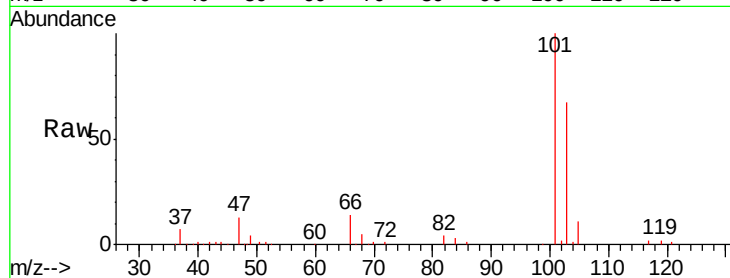
103 66.9 52.8 79.2

Manual Integrations

APPROVED

MMDadoda

11/21/2018 5:12:55 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

120000

100000

80000

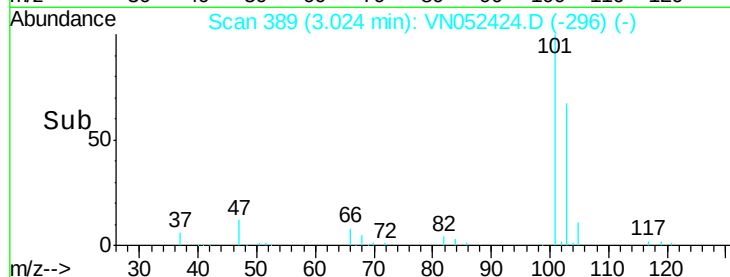
60000

40000

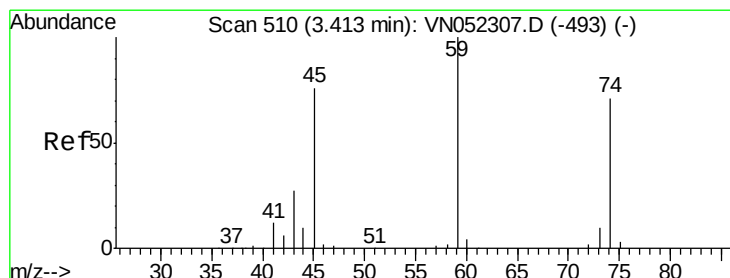
20000

0

Time-->



Time-->



#8

Diethyl Ether

Concen: 48.69 ug/l

RT: 3.41 min Scan# 510

Delta R.T. -0.00 min

Lab File: VN052424.D

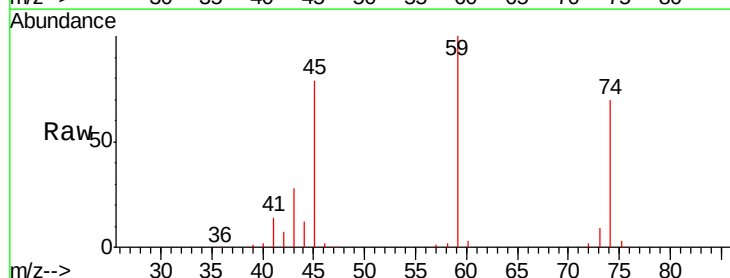
Acq: 20 Nov 2018 22:38

Tgt Ion: 74 Resp: 84928

Ion Ratio Lower Upper

74 100

45 112.0 54.3 162.9



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

50000

40000

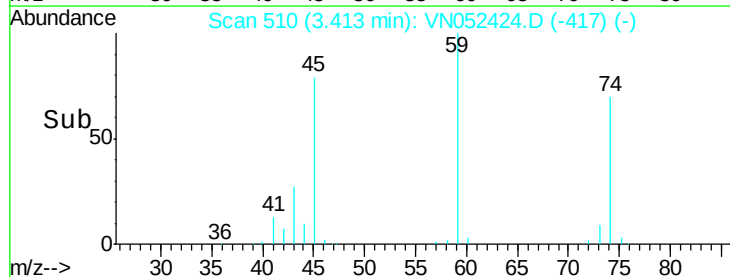
30000

20000

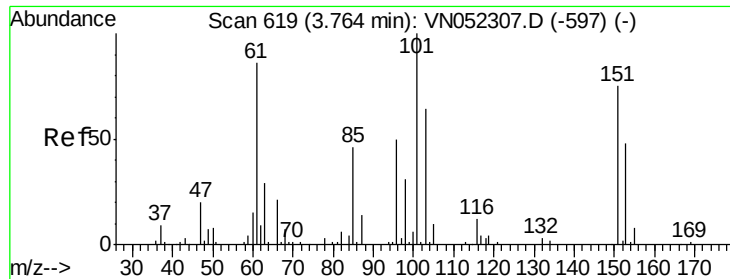
10000

0

Time-->



Time-->



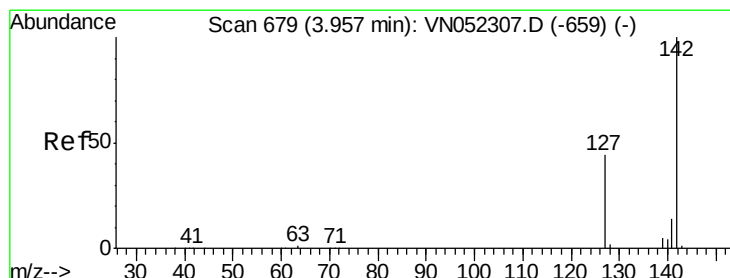
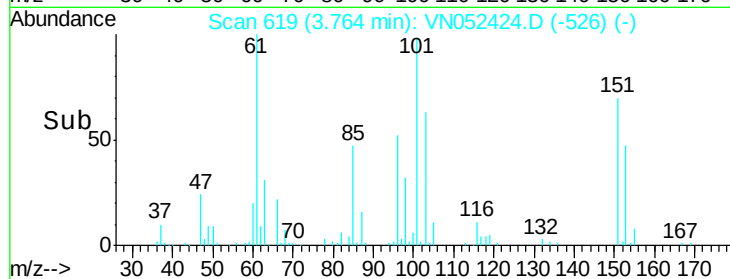
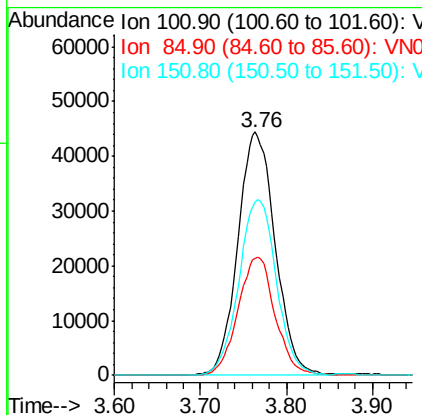
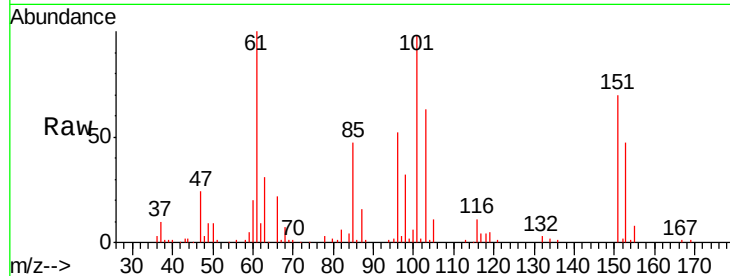
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.43 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
101	100		
85	48.2	37.4	56.0
151	72.6	58.6	88.0

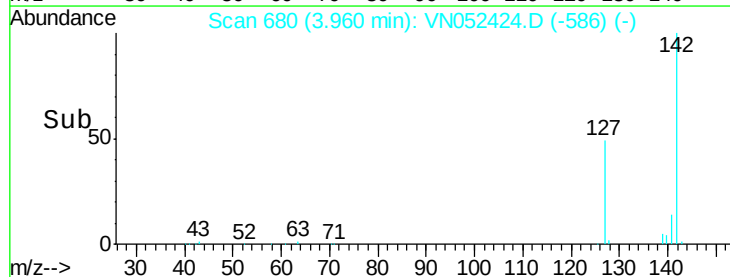
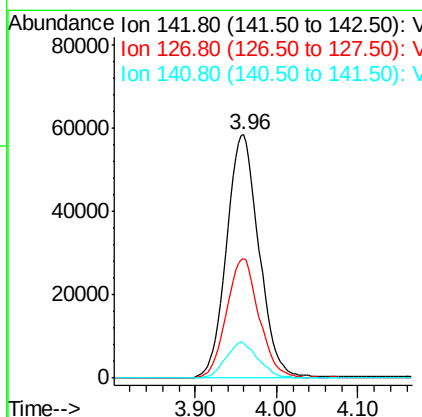
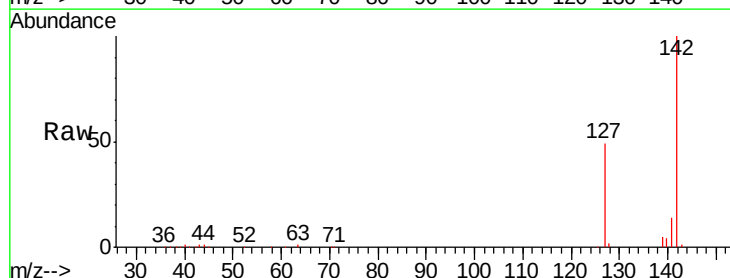
Manual Integrations
 APPROVED

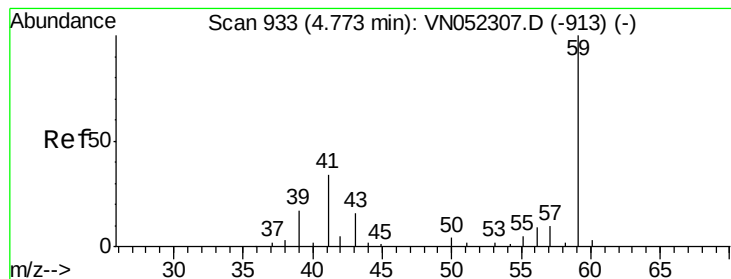
MMDadoda
 11/21/2018 5:12:55 PM



#10
 Methyl Iodide
 Concen: 42.19 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
142	100		
127	49.0	36.3	54.5
141	14.7	11.4	17.2





#11

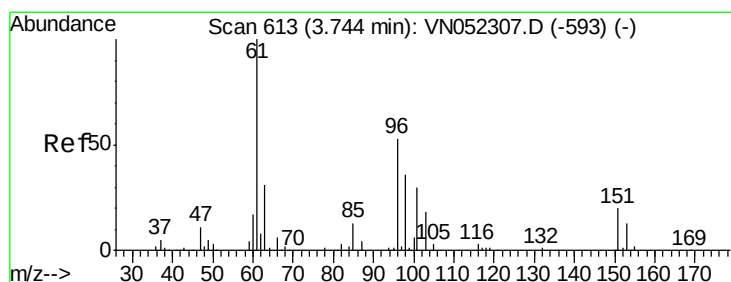
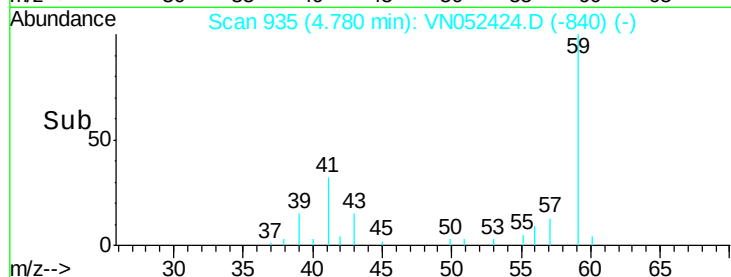
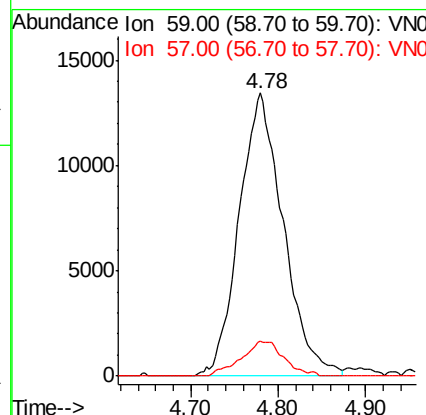
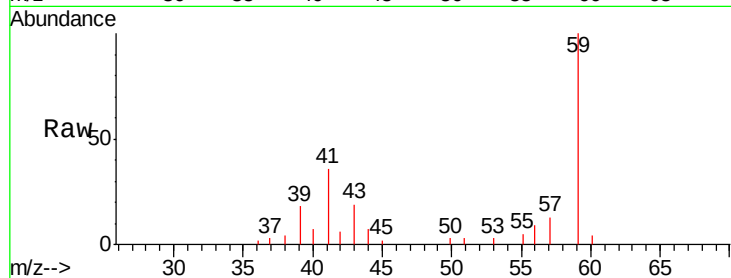
Tert butyl alcohol
 Concen: 242.83 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 59 Resp: 47054
 Ion Ratio Lower Upper
 59 100
 57 12.0 8.5 12.7

Manual Integrations
 APPROVED

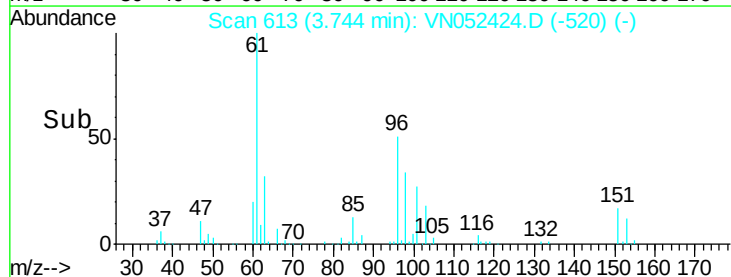
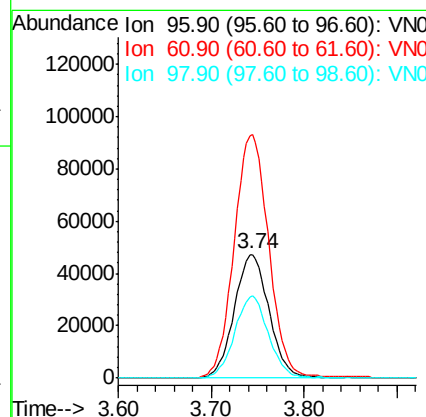
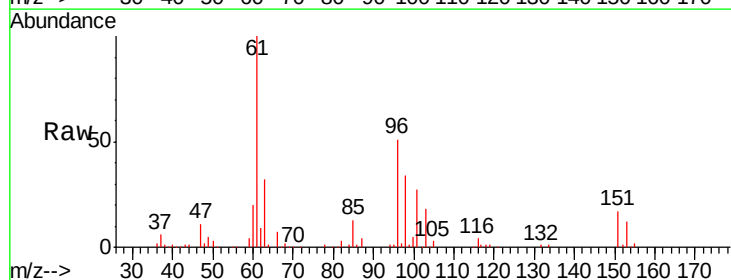
MMDadoda
 11/21/2018 5:12:55 PM

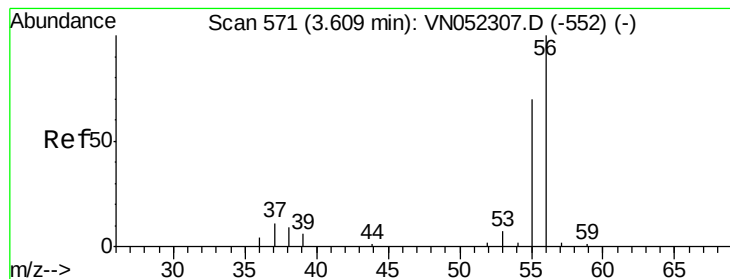


#12

1,1-Dichloroethene
 Concen: 46.13 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion: 96 Resp: 123378
 Ion Ratio Lower Upper
 96 100
 61 196.8 149.6 224.4
 98 66.2 54.2 81.2





#13

Acrolein

Concen: 316.74 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 94436

Ion Ratio Lower Upper

56 100

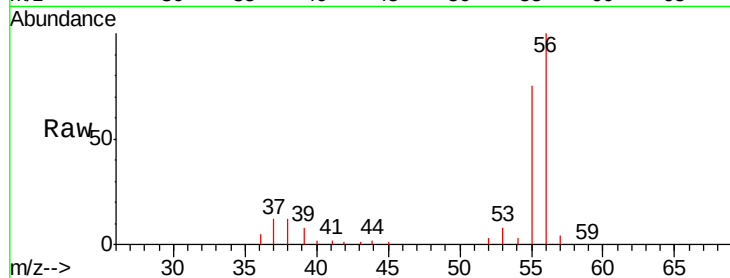
55 72.9 57.6 86.4

Manual Integrations

APPROVED

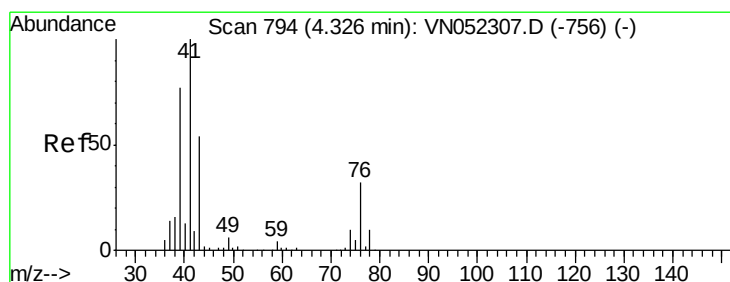
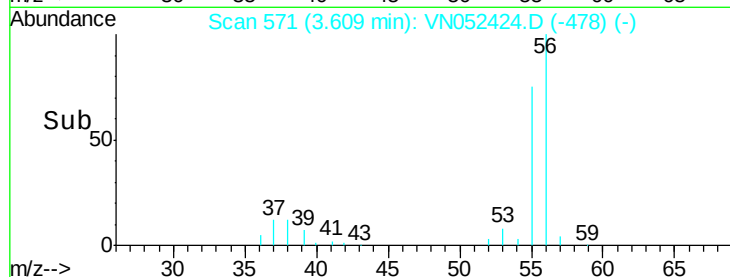
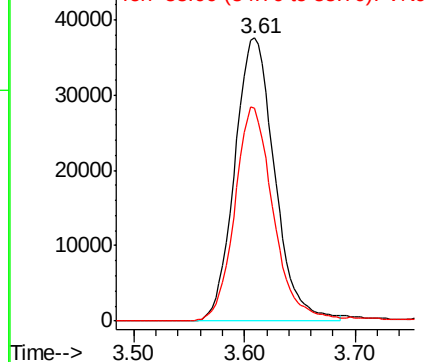
MMDadoda

11/21/2018 5:12:55 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.25 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

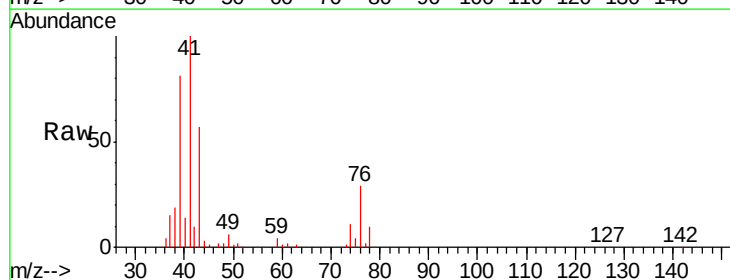
Tgt Ion: 41 Resp: 259444

Ion Ratio Lower Upper

41 100

39 83.8 59.1 88.7

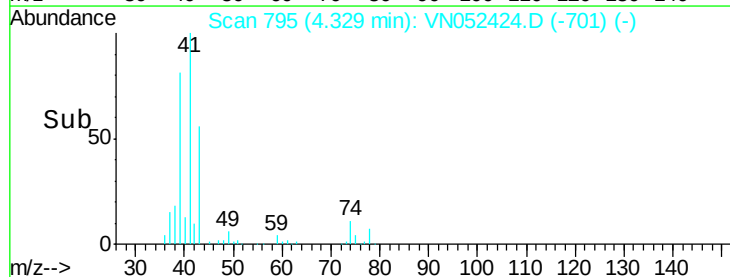
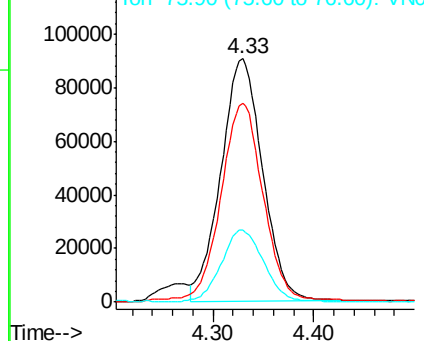
76 29.8 24.1 36.1

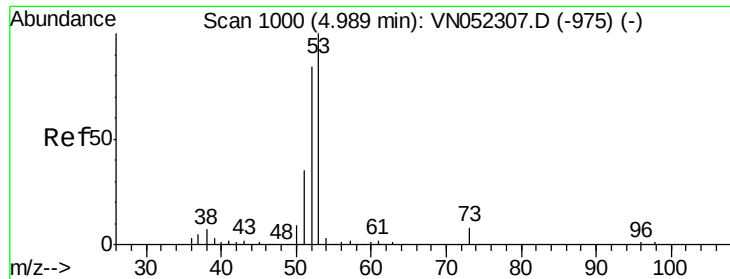


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





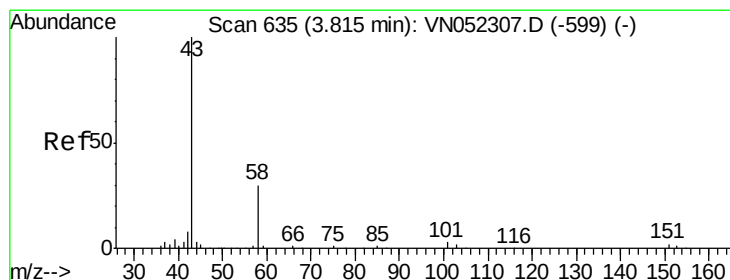
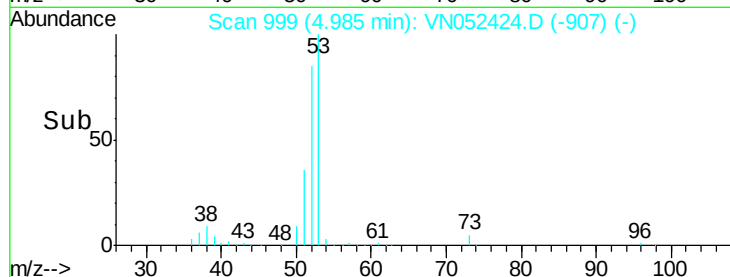
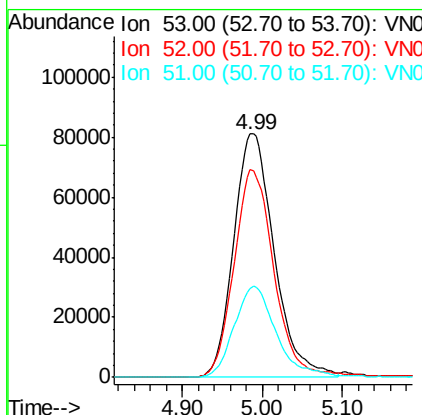
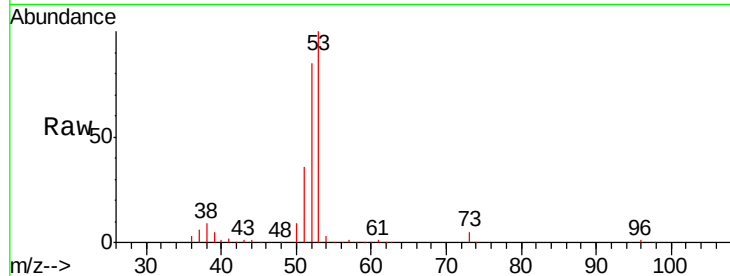
#15
 Acrylonitrile
 Concen: 253.06 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.5	101.3
51	38.6	29.9	44.9

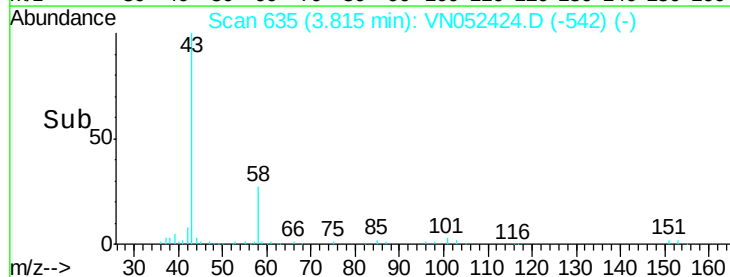
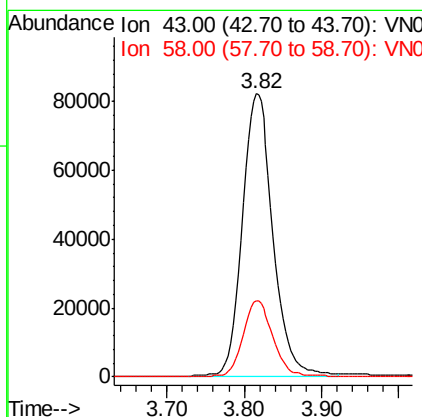
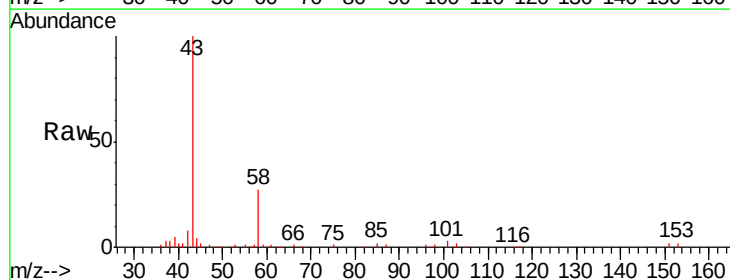
Manual Integrations
 APPROVED

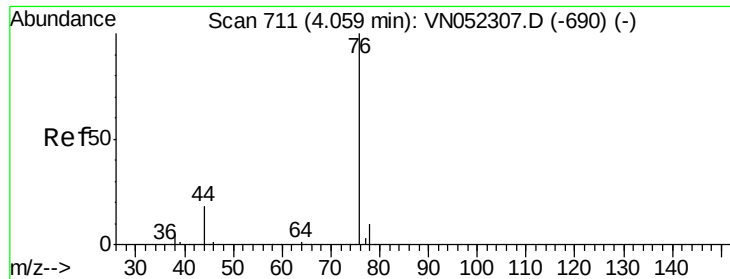
MMDadoda
 11/21/2018 5:12:55 PM



#16
 Acetone
 Concen: 222.73 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.0	24.2	36.4





#17

Carbon Disulfide

Concen: 47.89 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 367276

Ion Ratio Lower Upper

76 100

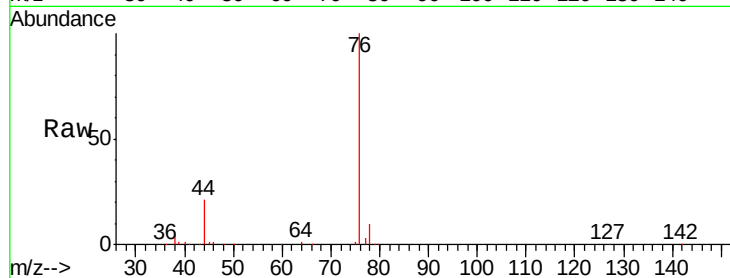
78 9.7 7.7 11.5

Manual Integrations

APPROVED

MMDadoda

11/21/2018 5:12:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

150000

100000

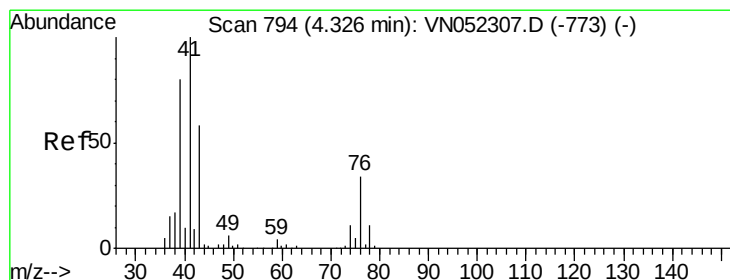
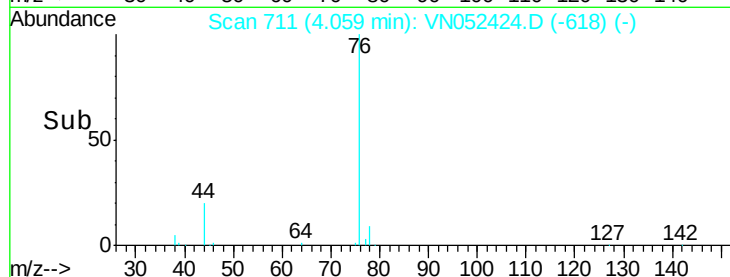
50000

0

4.06

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 52.95 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052424.D

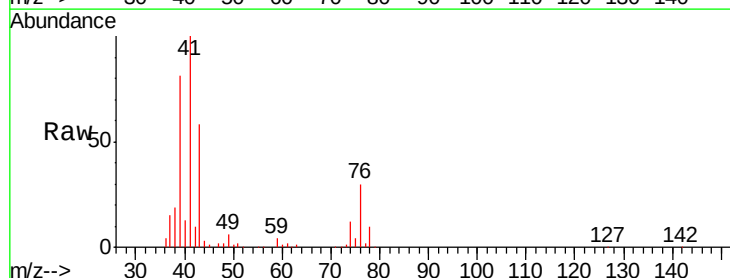
Acq: 20 Nov 2018 22:38

Tgt Ion: 43 Resp: 149958

Ion Ratio Lower Upper

43 100

74 19.6 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

30000

20000

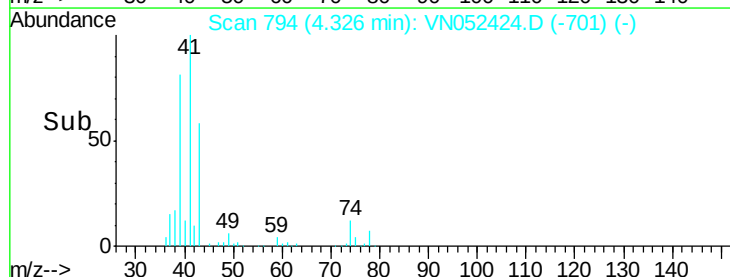
10000

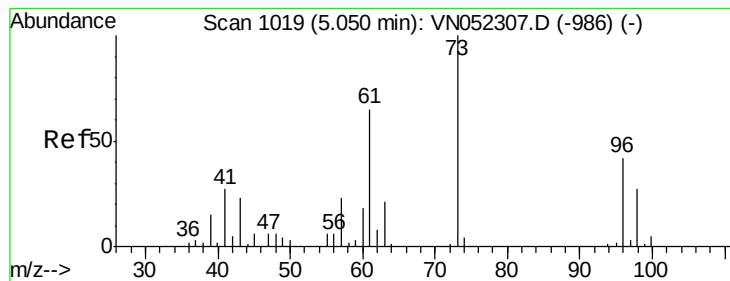
0

4.33

4.20 4.30 4.40

Time-->





#19

Methyl tert-butyl Ether

Concen: 51.56 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 396217

Ion Ratio Lower Upper

73 100

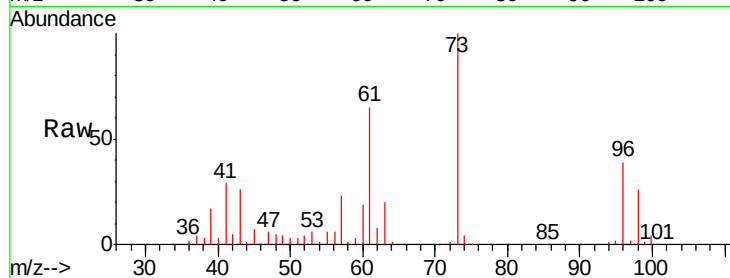
57 23.2 18.7 28.1

Manual Integrations

APPROVED

MMDadoda

11/21/2018 5:12:55 PM



Abundance Ion 73.00 (72.70 to 73.70): VN052307.D (-986) (-)

Ion 57.00 (56.70 to 57.70): VN052307.D (-986) (-)

5.05

120000

100000

80000

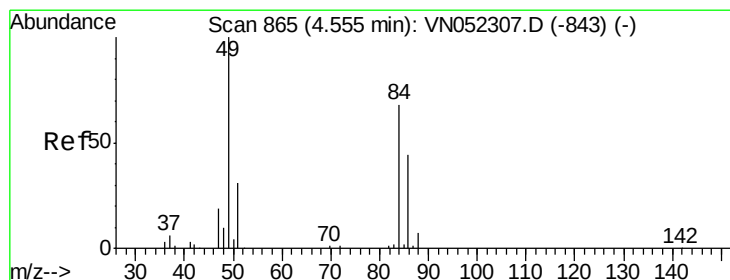
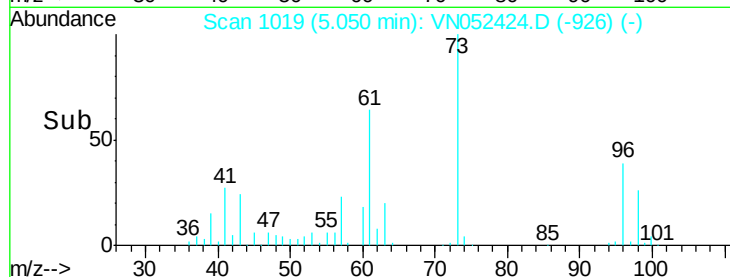
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 52.07 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion: 84 Resp: 159950

Ion Ratio Lower Upper

84 100

49 151.9 118.2 177.2

51 45.4 36.1 54.1

86 63.3 51.6 77.4

Abundance Ion 83.90 (83.60 to 84.60): VN052307.D (-843) (-)

Ion 48.90 (48.60 to 49.60): VN052307.D (-843) (-)

Ion 50.90 (50.60 to 51.60): VN052307.D (-843) (-)

Ion 85.90 (85.60 to 86.60): VN052307.D (-843) (-)

4.55

120000

100000

80000

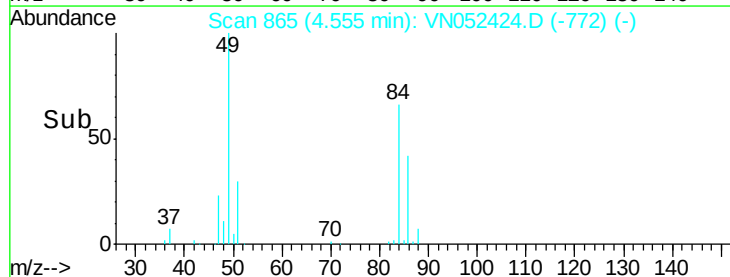
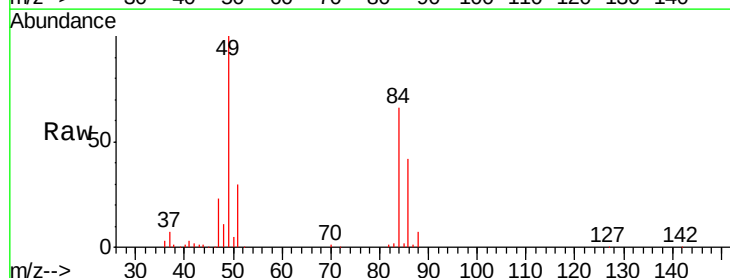
60000

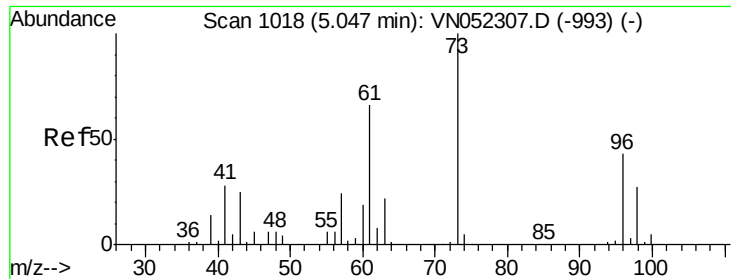
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.84 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

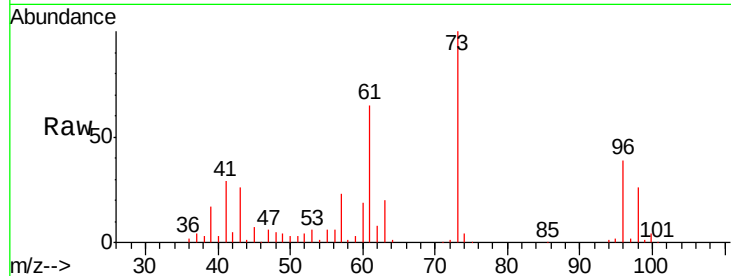
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	134855
Ion	Ratio	Lower	Upper
96	100		
61	165.0	123.6	185.4
98	65.5	50.7	76.1

Manual Integrations
APPROVED

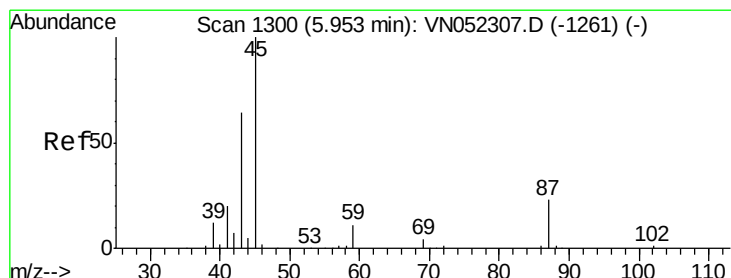
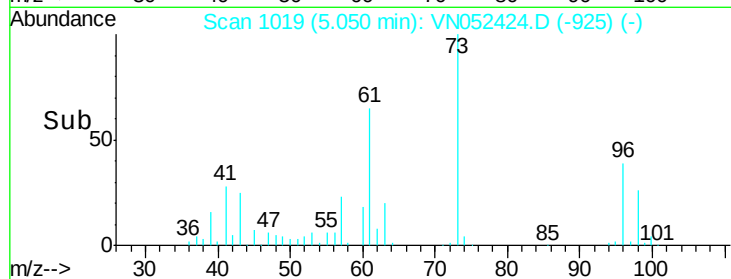
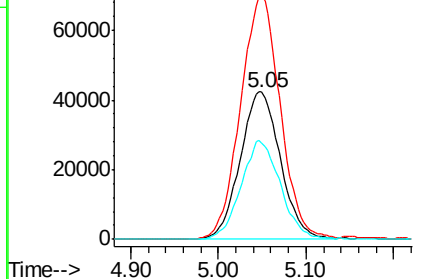
MMDadoda
11/21/2018 5:12:55 PM



Abundance Ion 95.90 (95.60 to 96.60): VN052307.D (-993) (-)

Ion 60.90 (60.60 to 61.60): VN052307.D (-993) (-)

Ion 97.90 (97.60 to 98.60): VN052307.D (-993) (-)



#22

Diisopropyl ether

Concen: 52.79 ug/l

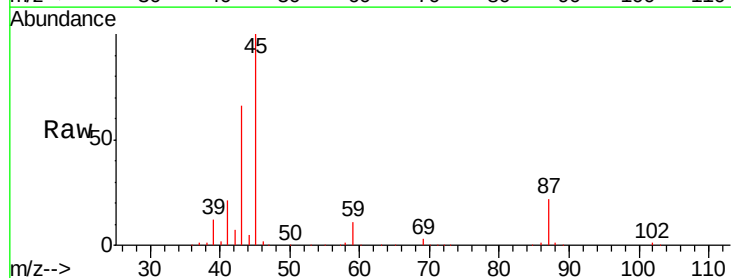
RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion:	45	Resp:	591473
Ion	Ratio	Lower	Upper
45	100		
43	64.8	51.4	77.2
87	22.0	18.8	28.2
59	10.5	8.6	12.8

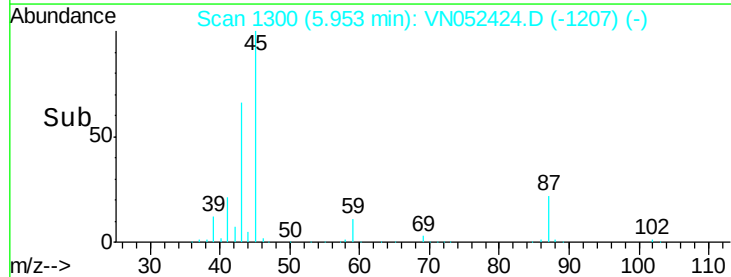
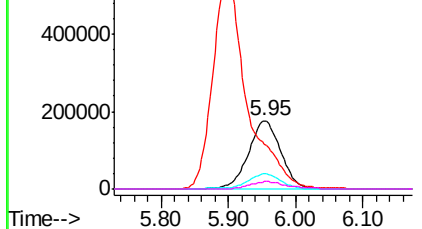


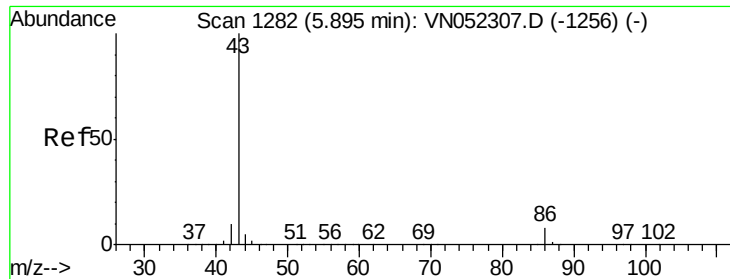
Abundance Ion 45.00 (44.70 to 45.70): VN052307.D (-1261) (-)

Ion 43.00 (42.70 to 43.70): VN052307.D (-1261) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1261) (-)

Ion 59.00 (58.70 to 59.70): VN052307.D (-1261) (-)





#23

Vinyl Acetate

Concen: 256.37 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1948553

Ion Ratio Lower Upper

43 100

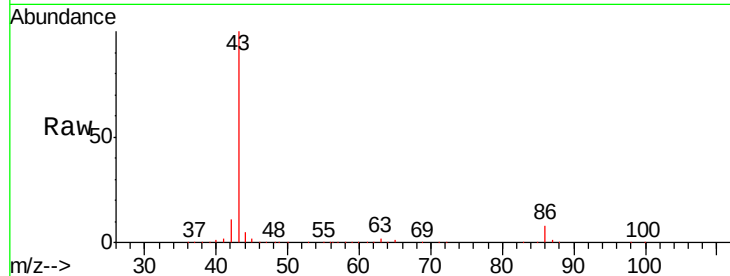
86 7.8 6.5 9.7

Manual Integrations

APPROVED

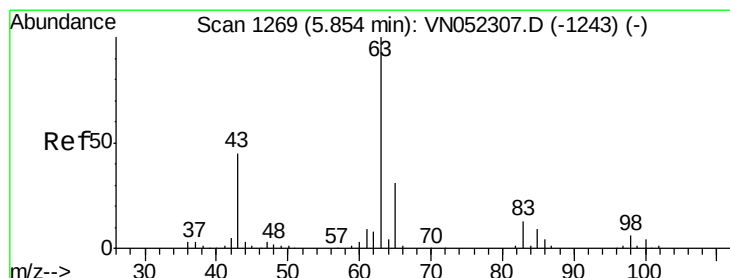
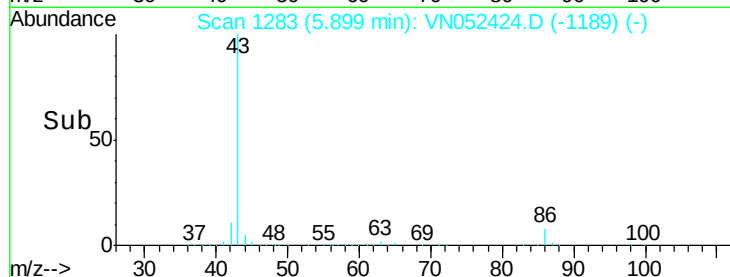
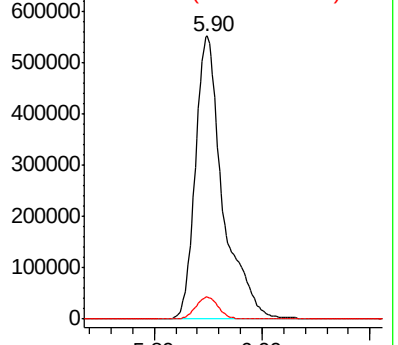
MMDadoda

11/21/2018 5:12:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.65 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

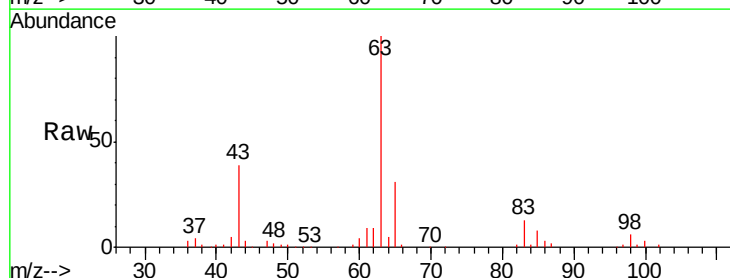
Tgt Ion: 63 Resp: 304287

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

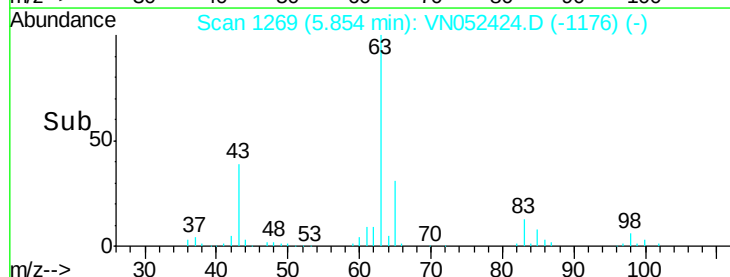
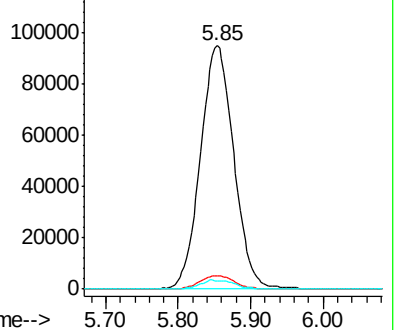
100 3.5 1.9 5.7

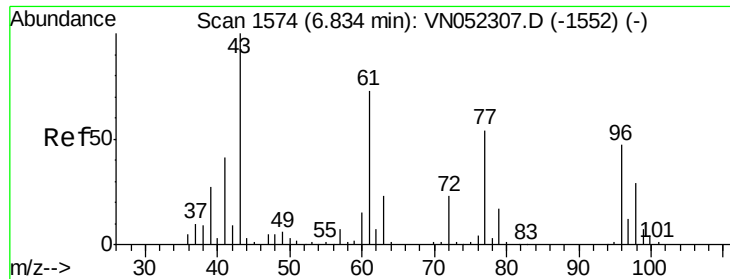


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





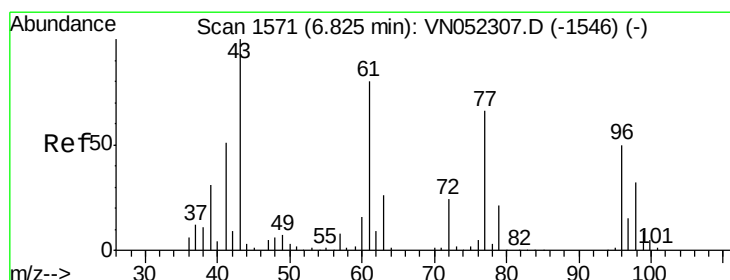
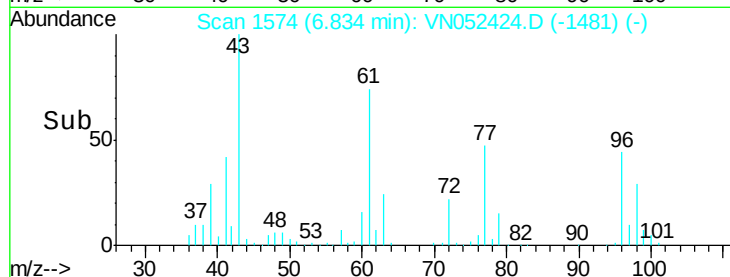
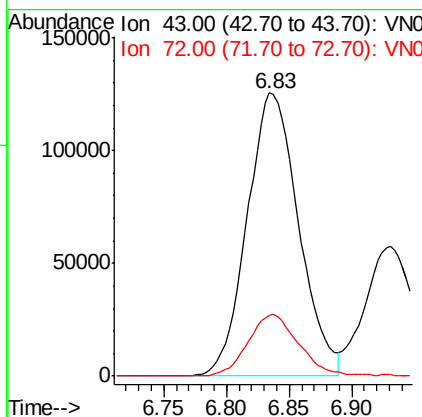
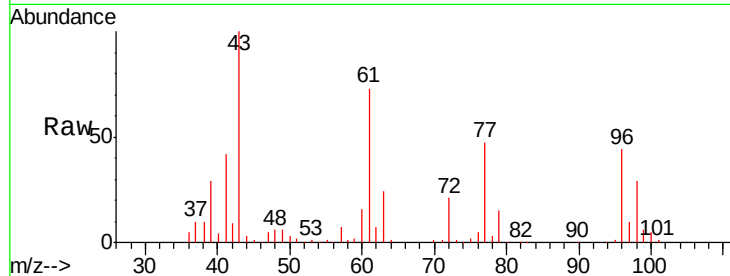
#25
2-Butanone
Concen: 250.10 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 355650
Ion Ratio Lower Upper
43 100
72 21.6 18.6 27.8

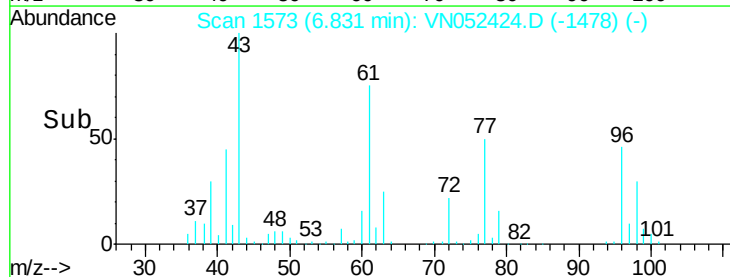
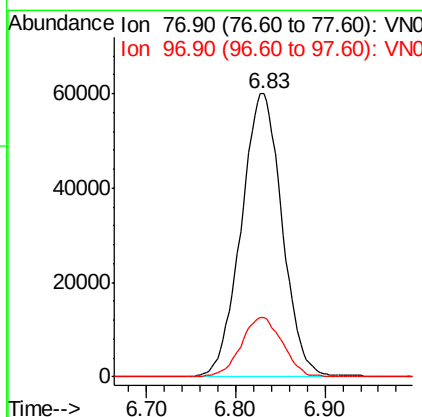
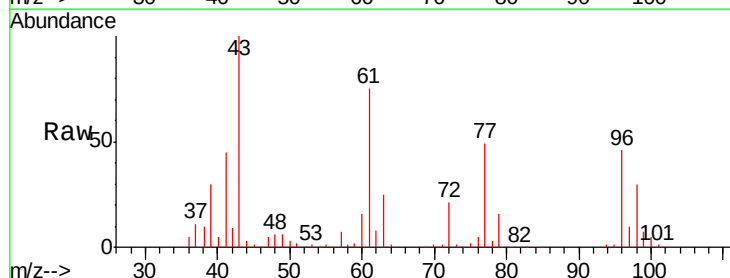
Manual Integrations
APPROVED

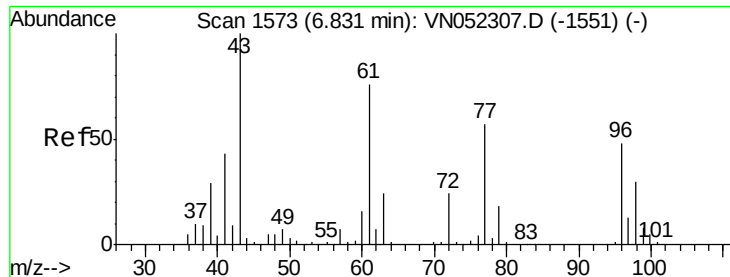
MMDadoda
11/21/2018 5:12:55 PM



#26
2,2-Dichloropropane
Concen: 43.29 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion: 77 Resp: 191249
Ion Ratio Lower Upper
77 100
97 21.2 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 47.56 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

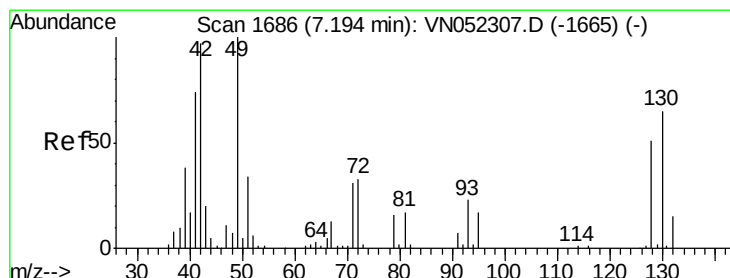
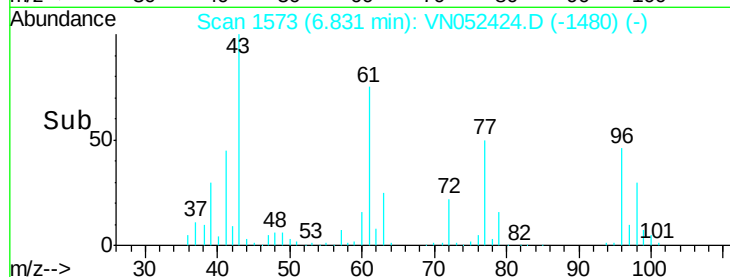
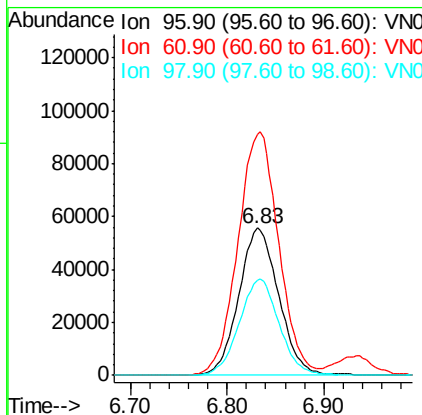
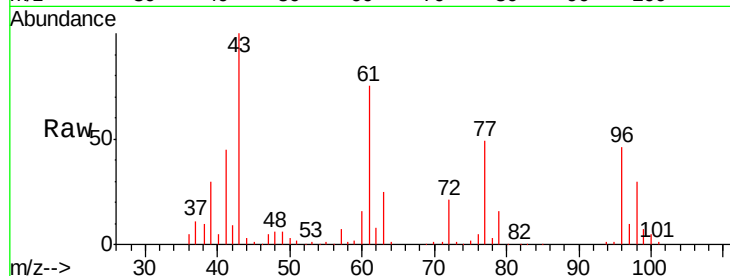
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	159416
Ion	Ratio	Lower	Upper
96	100		
61	169.0	0.0	316.8
98	65.4	0.0	126.6

Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:55 PM



#28

Bromochloromethane

Concen: 50.27 ug/l

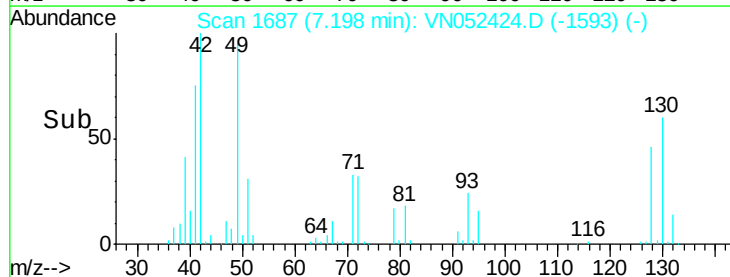
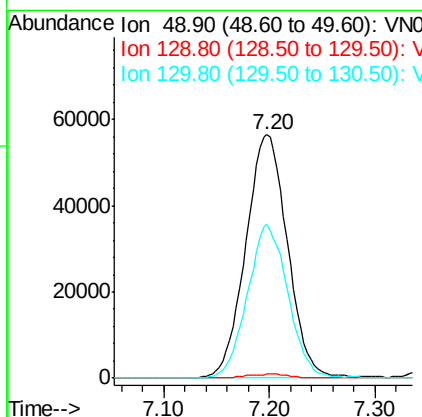
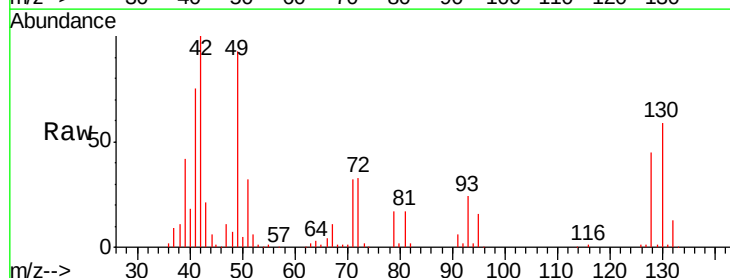
RT: 7.20 min Scan# 1687

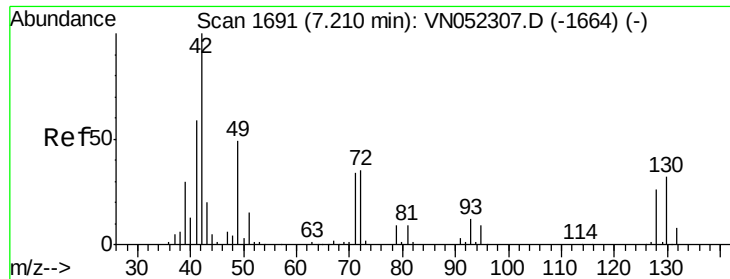
Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion:	49	Resp:	155303
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	61.3	50.4	75.6





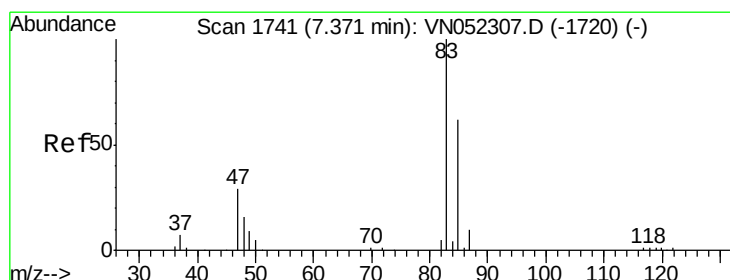
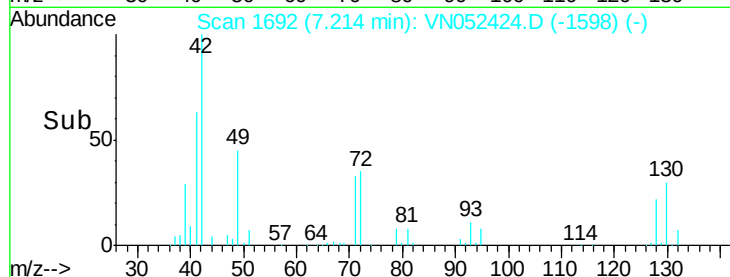
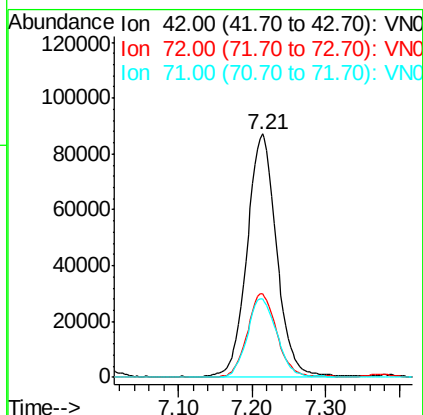
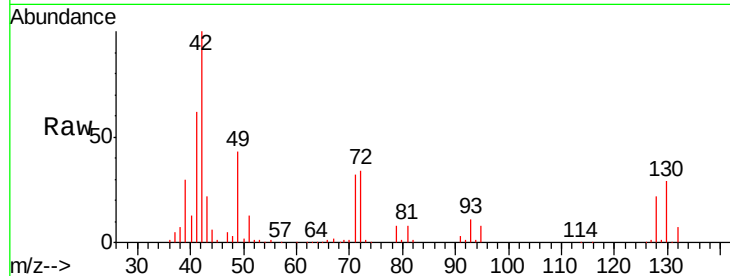
#29
Tetrahydrofuran
Concen: 259.58 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	34.3	28.6	42.8
71	32.4	26.7	40.1

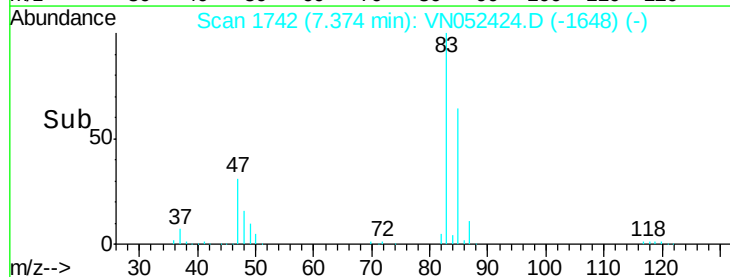
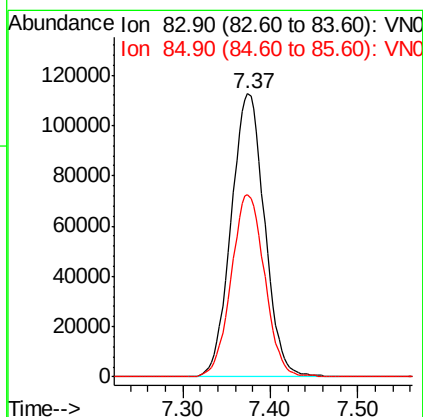
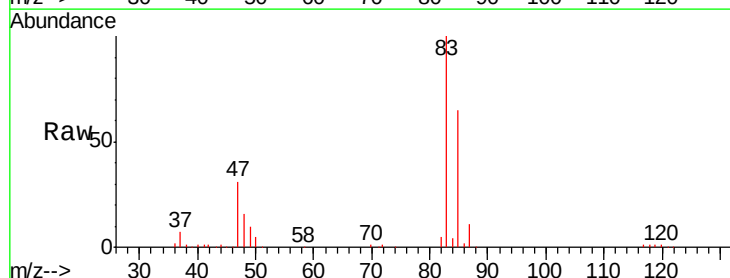
Manual Integrations
APPROVED

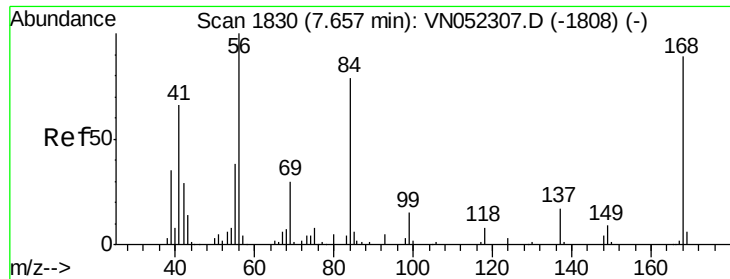
MMDadoda
11/21/2018 5:12:55 PM



#30
Chloroform
Concen: 52.14 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.2





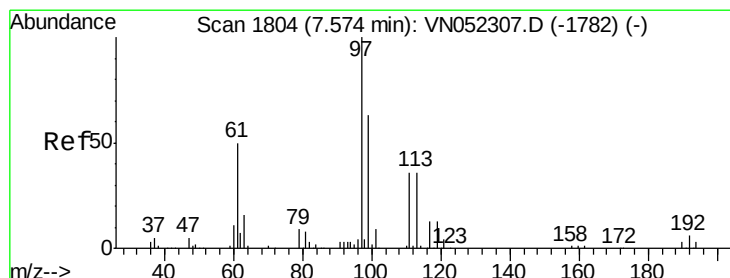
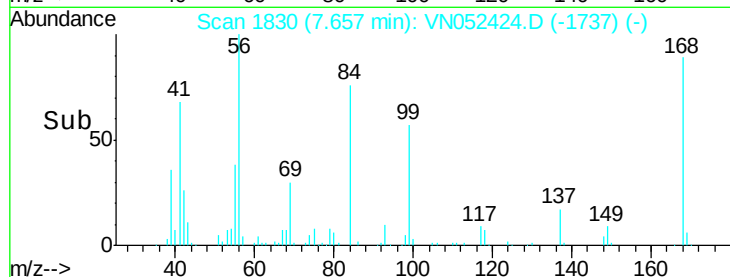
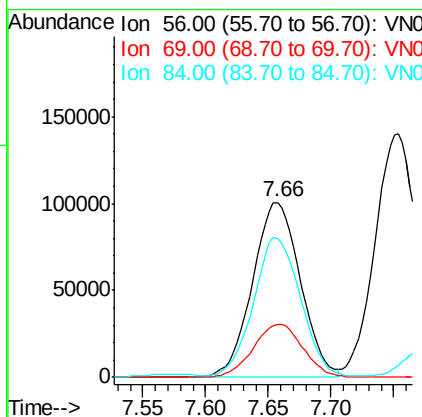
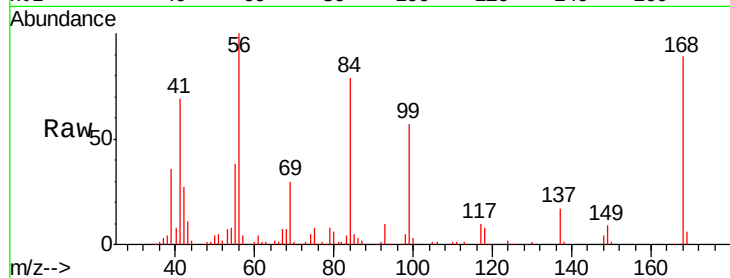
#31
Cyclohexane
Concen: 47.92 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.8	35.8
84	77.6	63.0	94.6

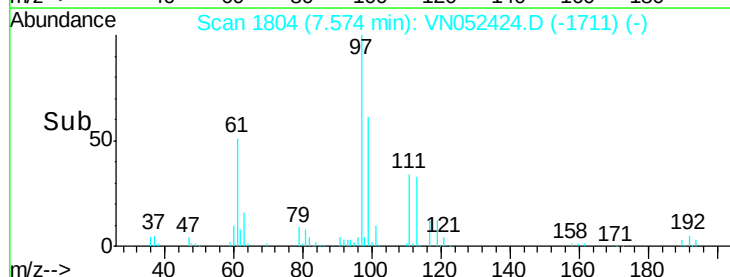
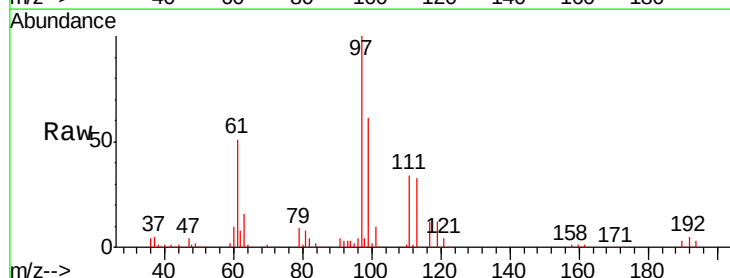
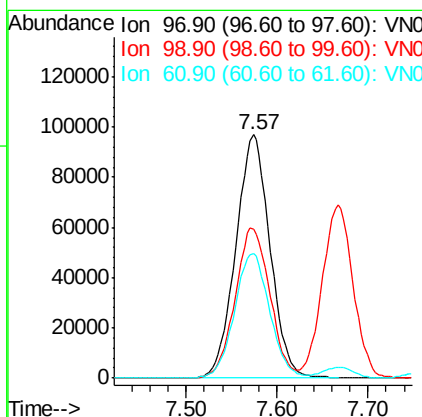
Manual Integrations
APPROVED

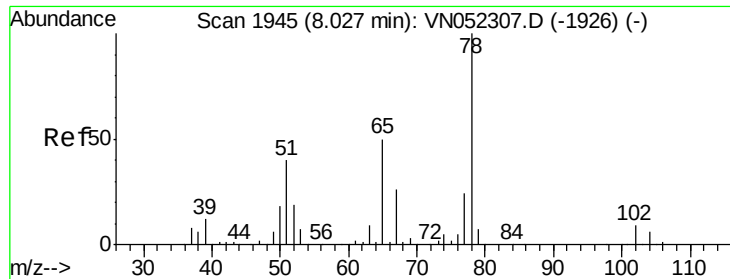
MMDadoda
11/21/2018 5:12:55 PM



#32
1,1,1-Trichloroethane
Concen: 51.86 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.2	75.2
61	52.7	40.2	60.4





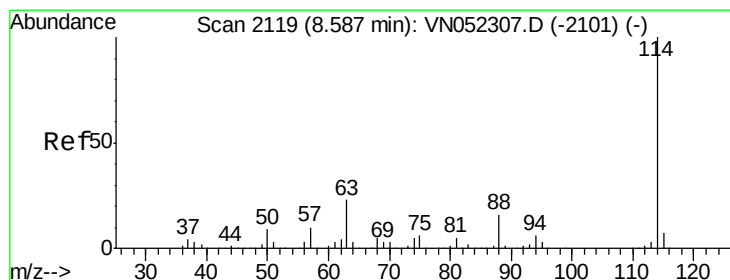
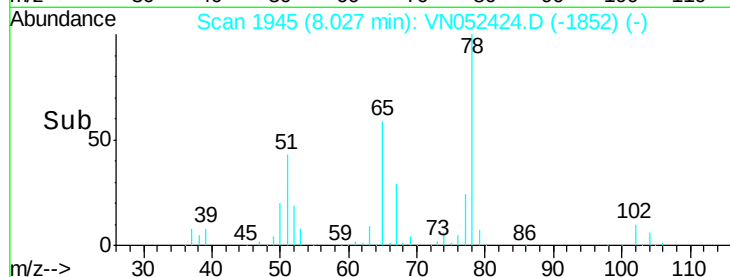
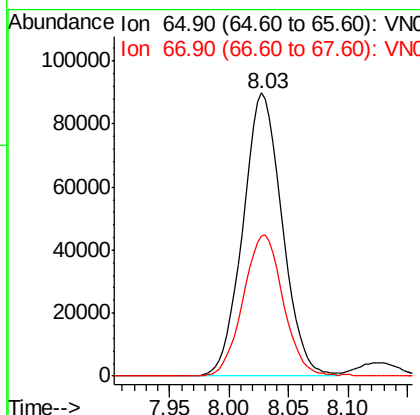
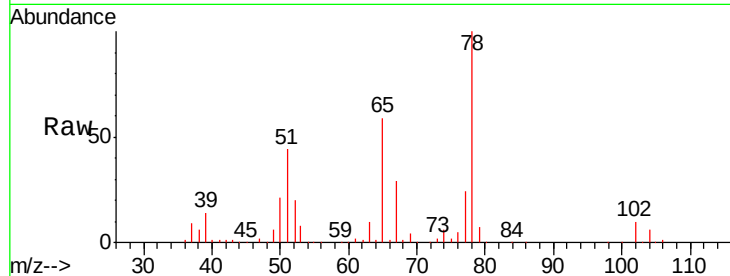
#33
 1,2-Dichloroethane-d4
 Concen: 51.86 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 205832
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.2

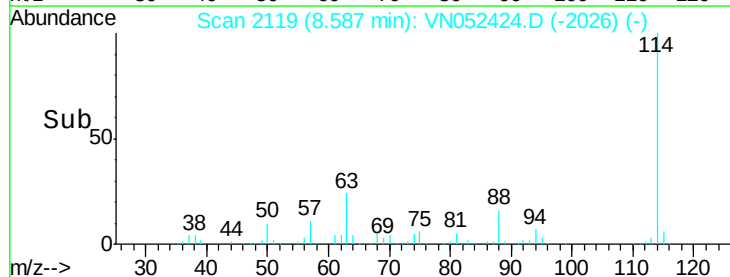
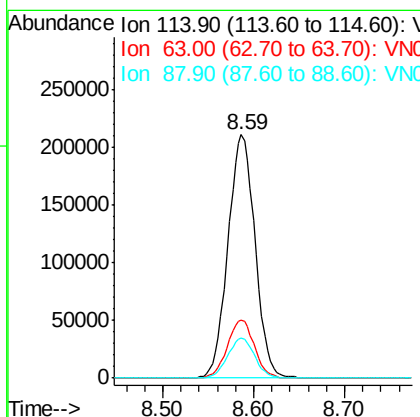
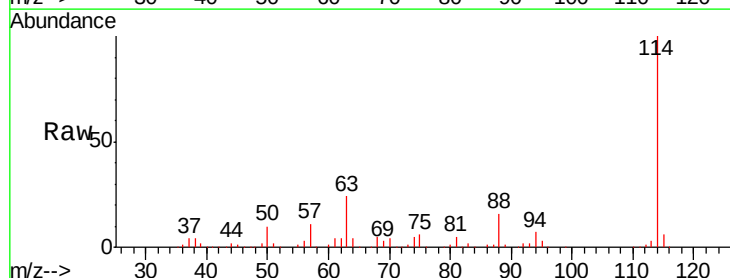
Manual Integrations
 APPROVED

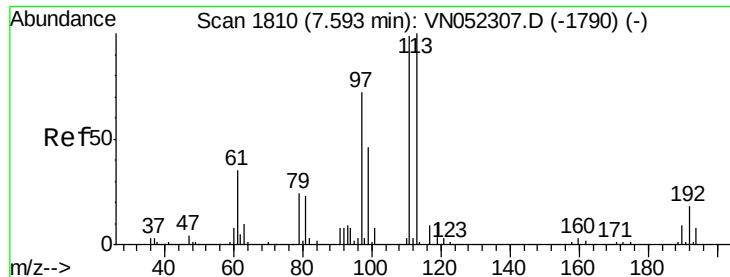
MMDadoda
 11/21/2018 5:12:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion: 114 Resp: 436350
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.4
 88 16.4 0.0 31.2





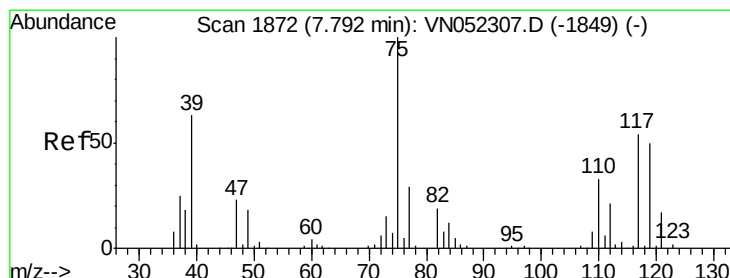
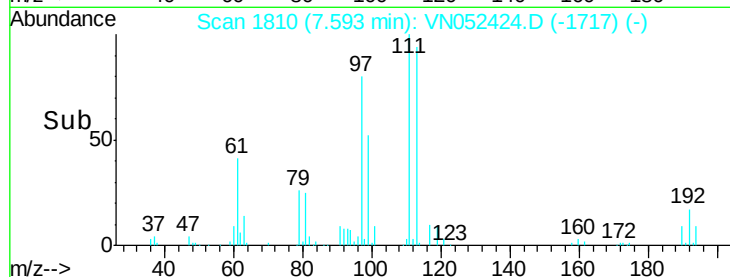
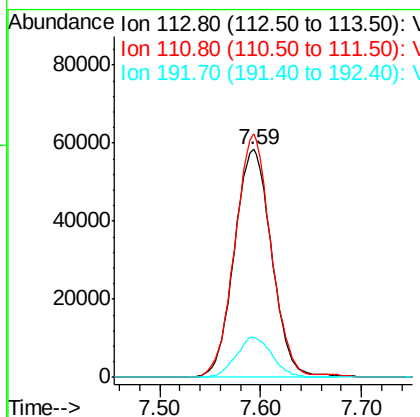
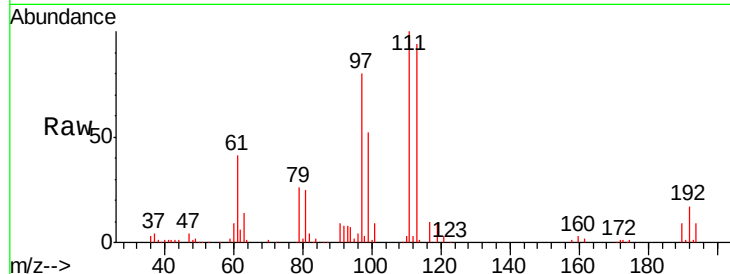
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	149954		
111	102.8	81.0	121.6	
192	17.0	13.8	20.6	

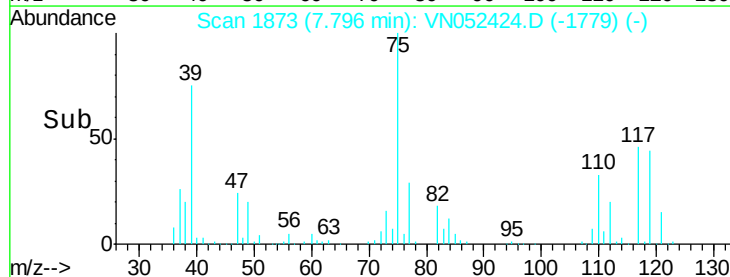
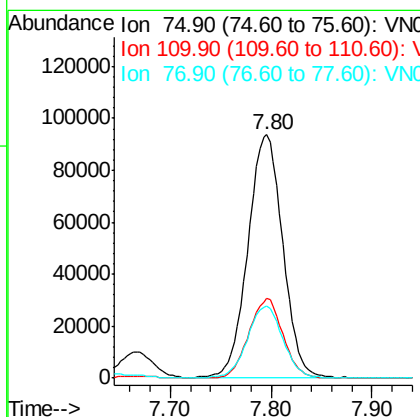
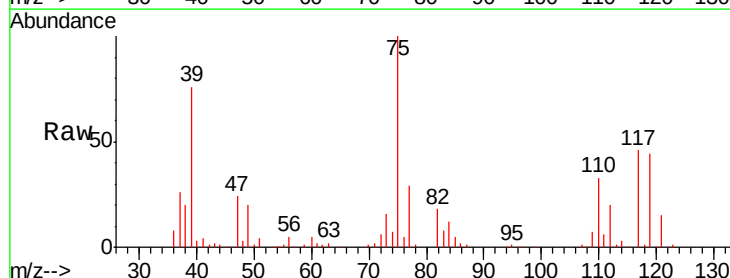
Manual Integrations
 APPROVED

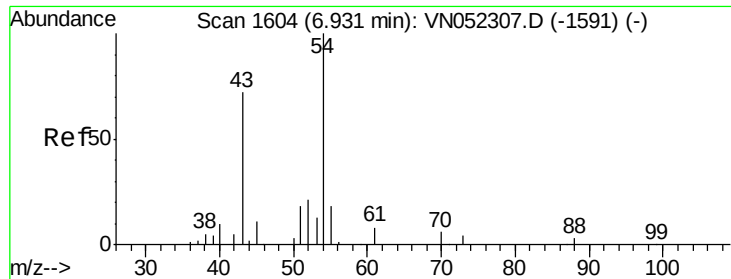
MMDadoda
 11/21/2018 5:12:55 PM



#36
 1,1-Dichloropropene
 Concen: 51.04 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	223237		
110	32.3	16.5	49.5	
77	30.5	24.2	36.2	





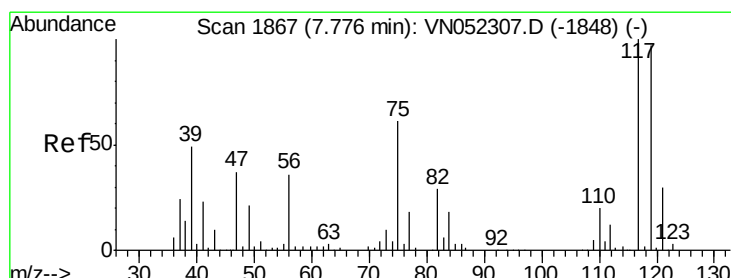
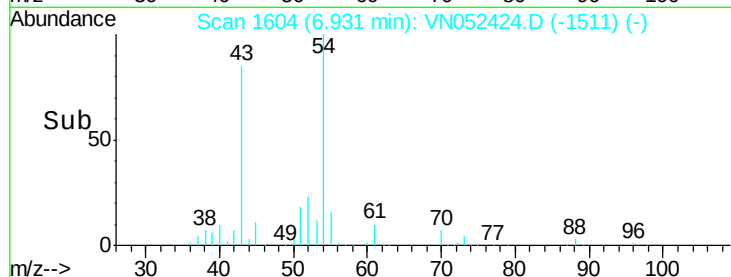
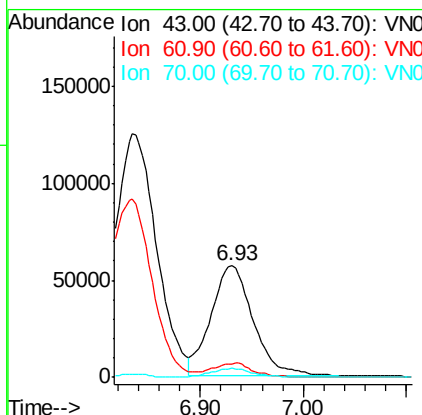
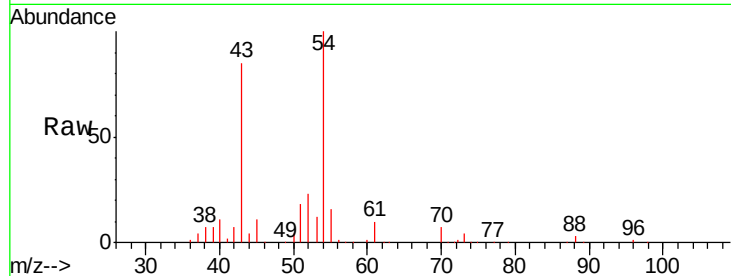
#37
Ethyl Acetate
 Concen: 51.25 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 162686
 Ion Ratio Lower Upper
 43 100
 61 11.6 10.3 15.5
 70 8.2 5.6 8.4

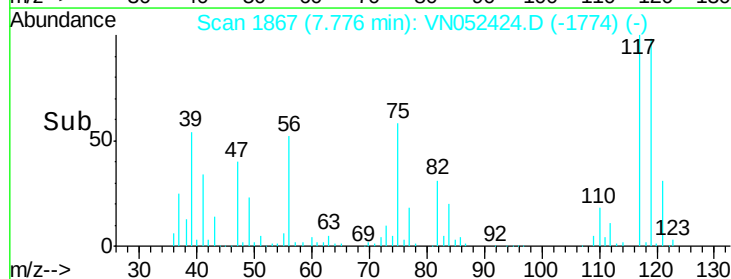
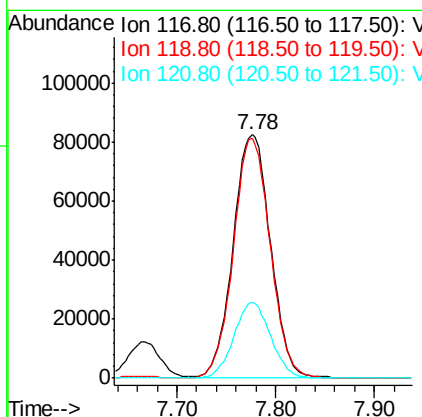
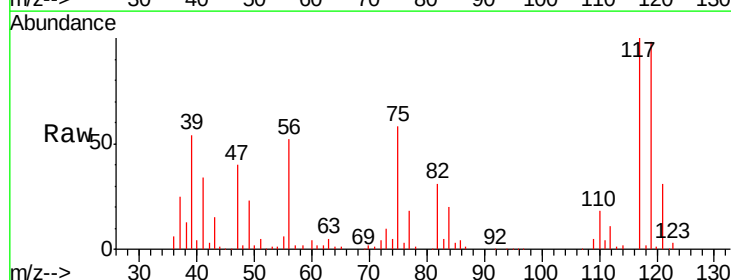
Manual Integrations
 APPROVED

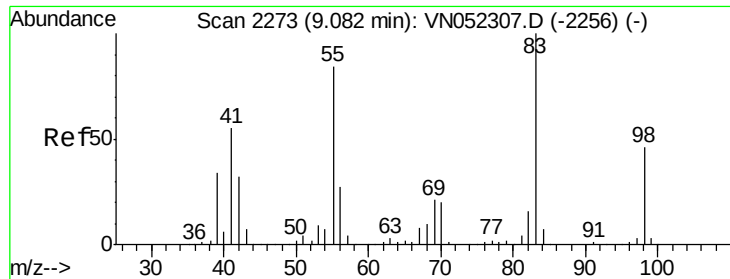
MMDadoda
 11/21/2018 5:12:55 PM



#38
Carbon Tetrachloride
 Concen: 54.19 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion: 117 Resp: 217756
 Ion Ratio Lower Upper
 117 100
 119 98.4 77.4 116.0
 121 31.2 24.0 36.0





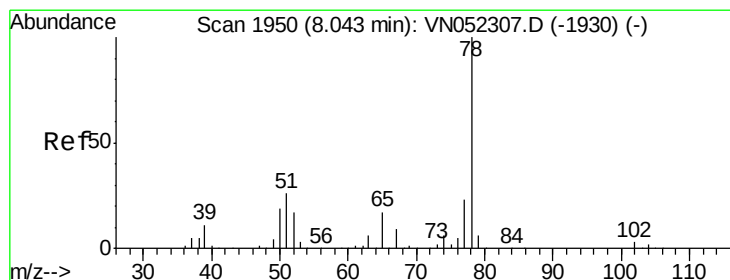
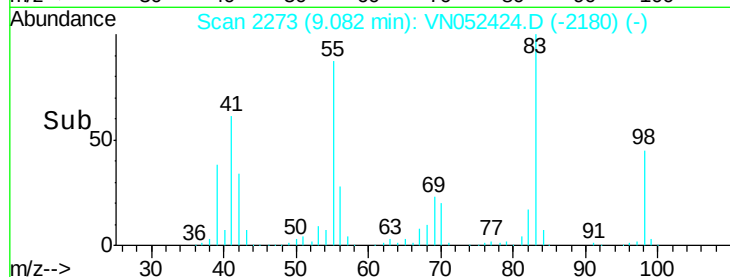
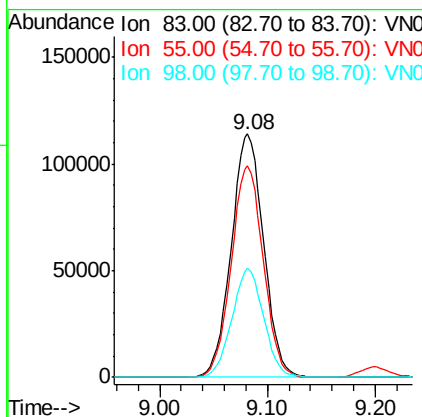
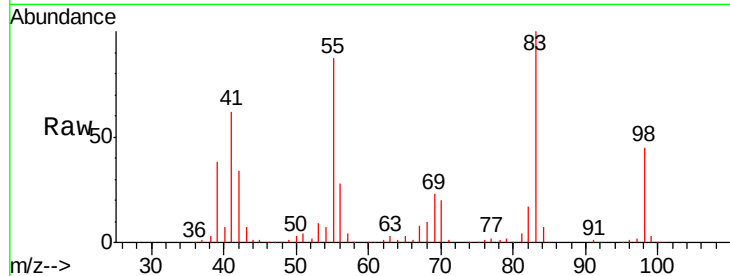
#39
Methylcyclohexane
Concen: 47.83 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.8	66.8	100.2
98	44.7	36.4	54.6

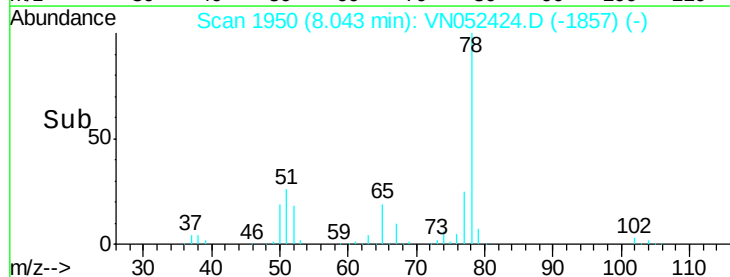
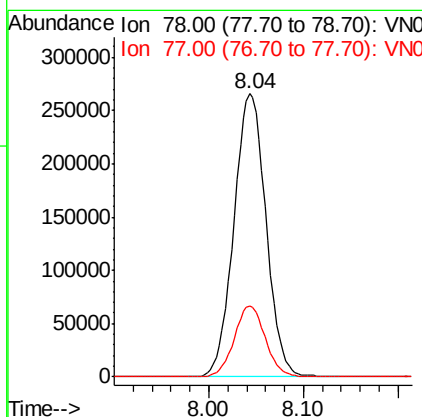
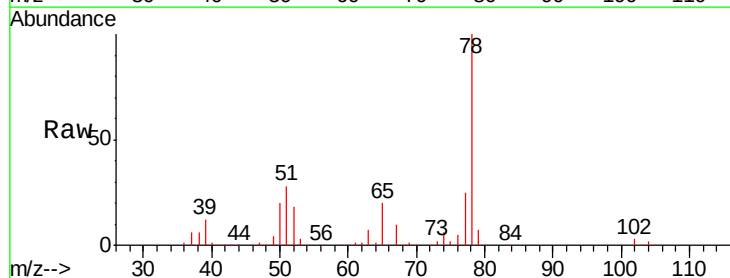
Manual Integrations
APPROVED

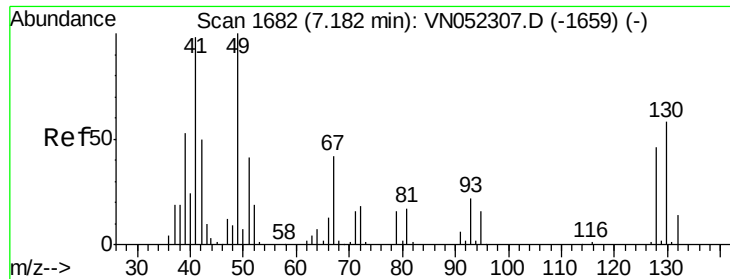
MMDadoda
11/21/2018 5:12:55 PM



#40
Benzene
Concen: 50.19 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.7	28.1





#41

Methacrylonitrile

Concen: 52.84 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 93556
Ion Ratio Lower Upper

41 100

39 54.1 0.0 0.0#

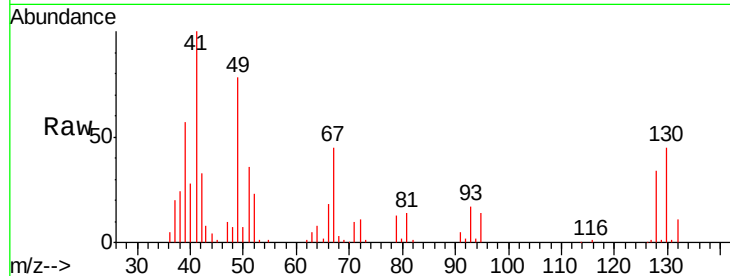
67 65.6 0.0 0.0#

52 33.1 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

11/21/2018 5:12:55 PM



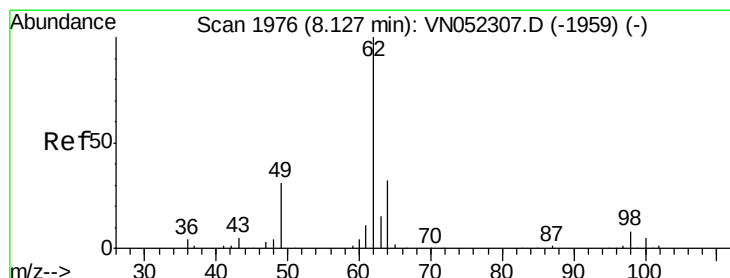
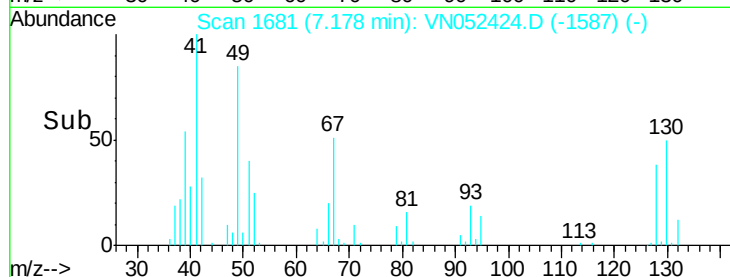
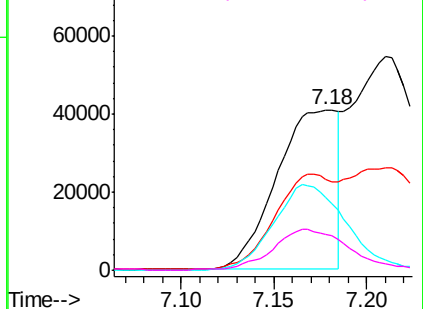
Abundance

Ion 41.00 (40.70 to 41.70): VN052307.D (-1659) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-1659) (-)

Ion 67.00 (66.70 to 67.70): VN052307.D (-1659) (-)

Ion 52.00 (51.70 to 52.70): VN052307.D (-1659) (-)



#42

1,2-Dichloroethane

Concen: 55.77 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

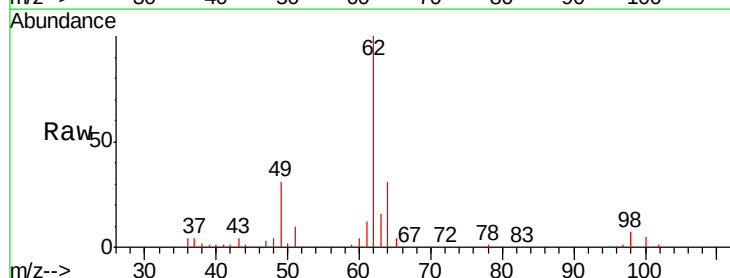
Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion: 62 Resp: 248481
Ion Ratio Lower Upper

62 100

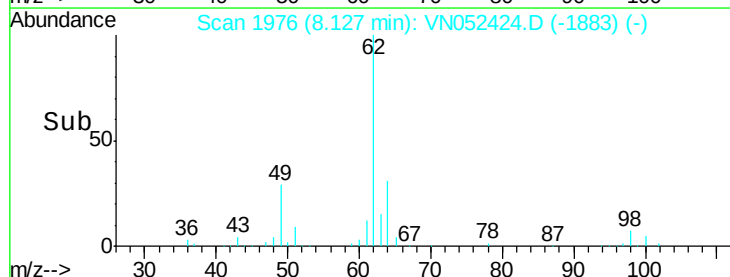
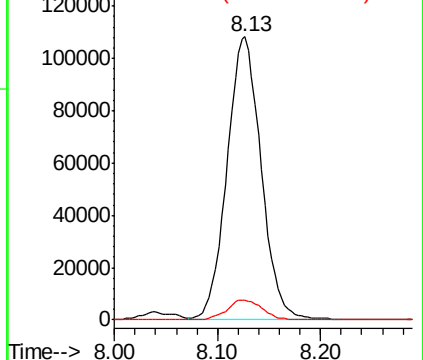
98 7.2 0.0 15.6

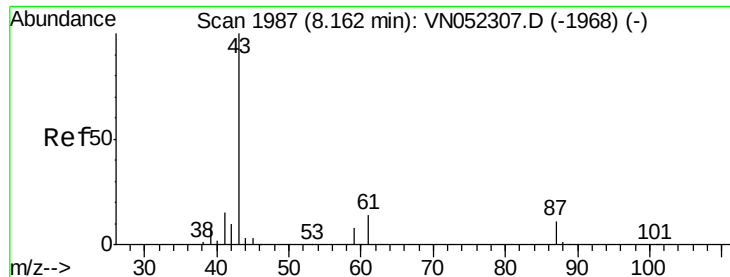


Abundance

Ion 61.90 (61.60 to 62.60): VN052307.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN052307.D (-1959) (-)





#43

Isopropyl Acetate

Concen: 50.82 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

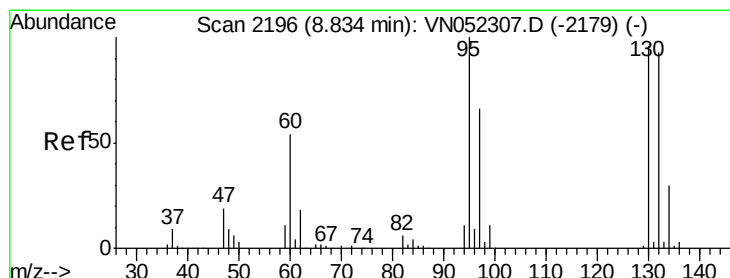
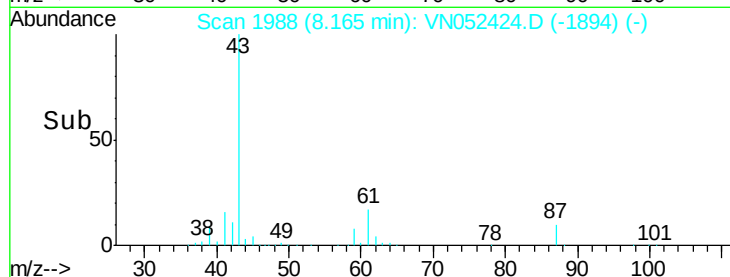
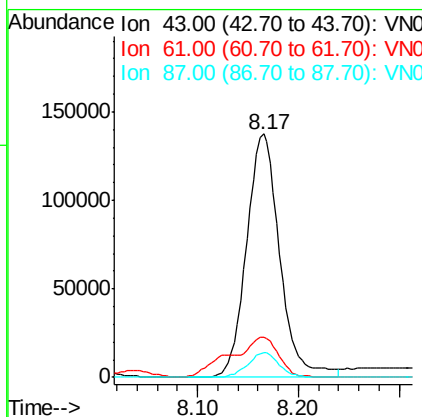
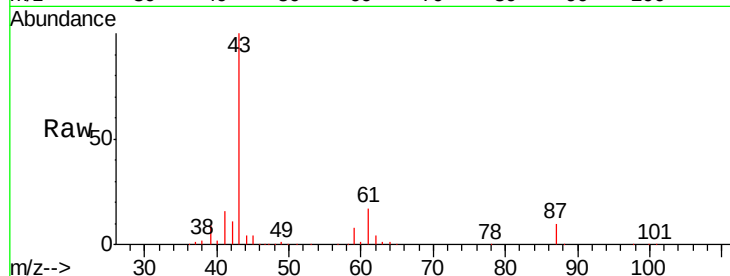
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	311234
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
87	9.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:55 PM



#44

Trichloroethene

Concen: 49.52 ug/l

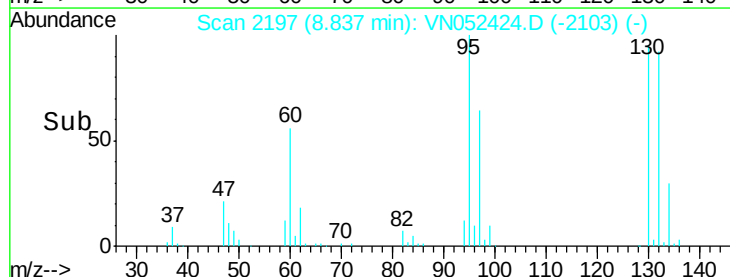
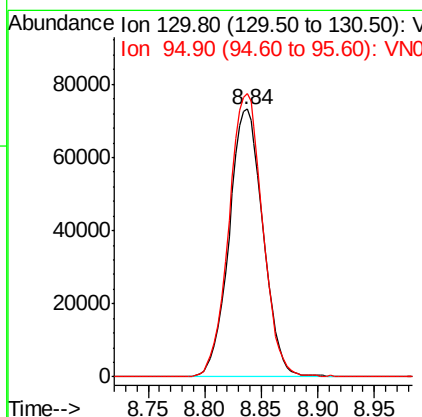
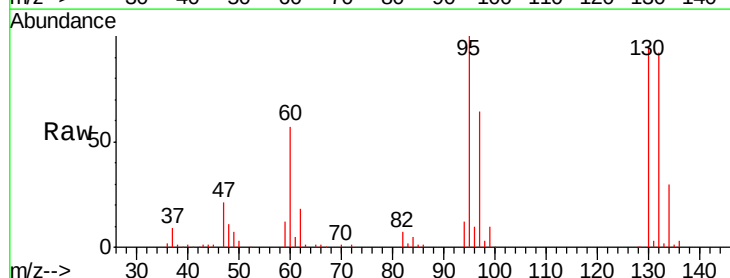
RT: 8.84 min Scan# 2197

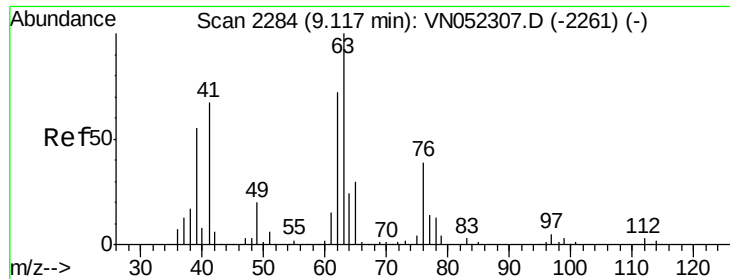
Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion:	130	Resp:	152419
Ion	Ratio	Lower	Upper
130	100		
95	105.8	0.0	208.4





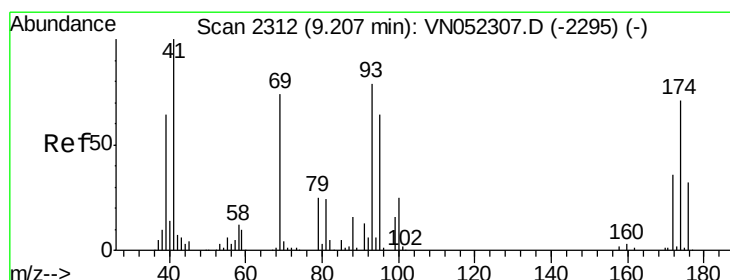
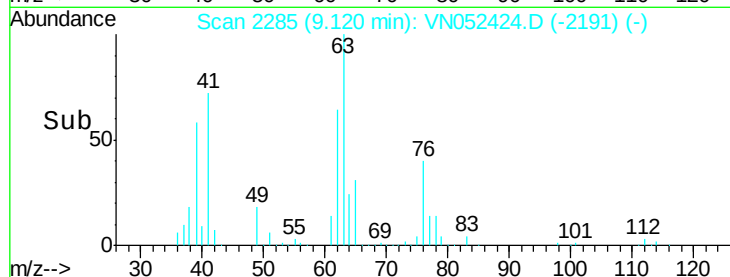
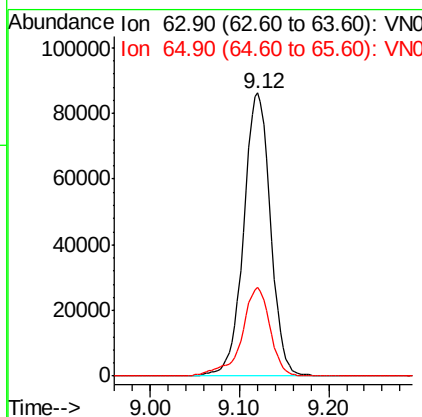
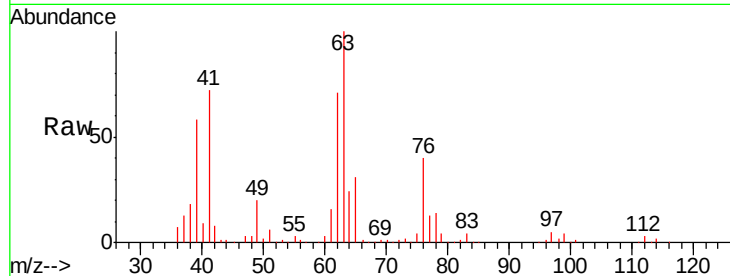
#45
 1,2-Dichloropropane
 Concen: 50.91 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 180507
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.2 36.4

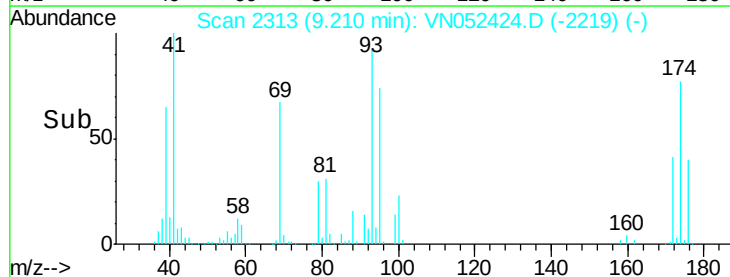
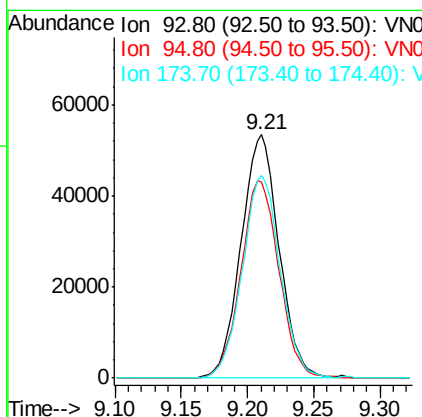
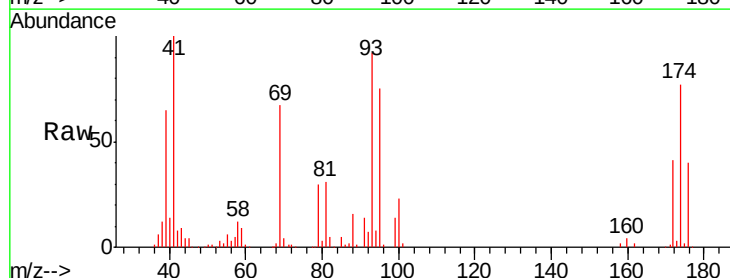
Manual Integrations
 APPROVED

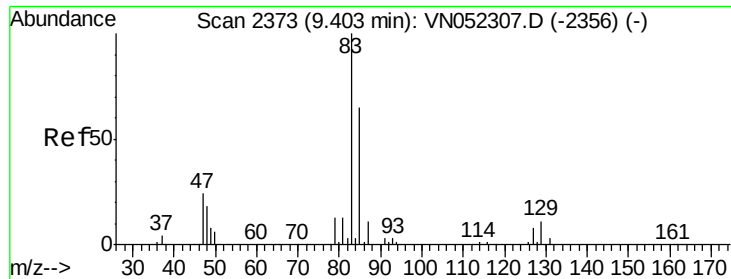
MMDadoda
 11/21/2018 5:12:55 PM



#46
 Dibromomethane
 Concen: 52.00 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion: 93 Resp: 106747
 Ion Ratio Lower Upper
 93 100
 95 81.4 64.2 96.2
 174 83.0 70.9 106.3





#47

Bromodichloromethane

Concen: 55.68 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

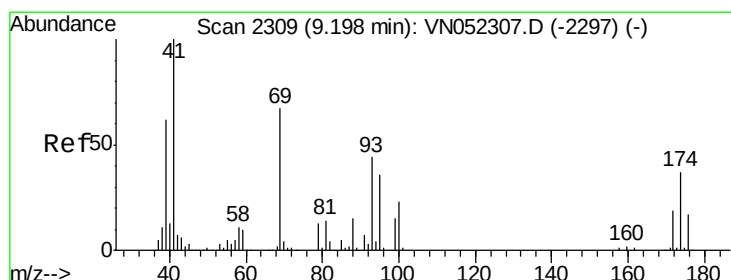
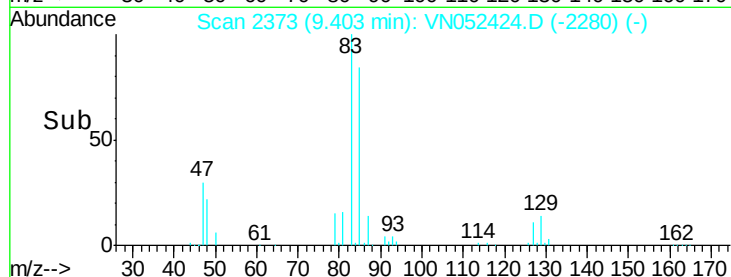
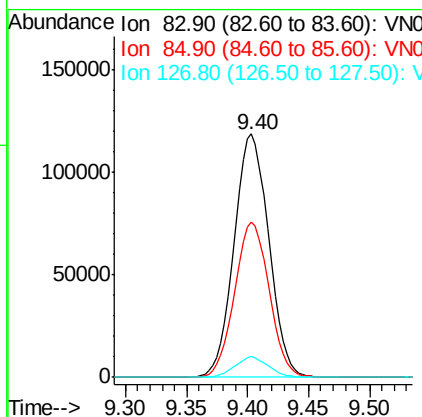
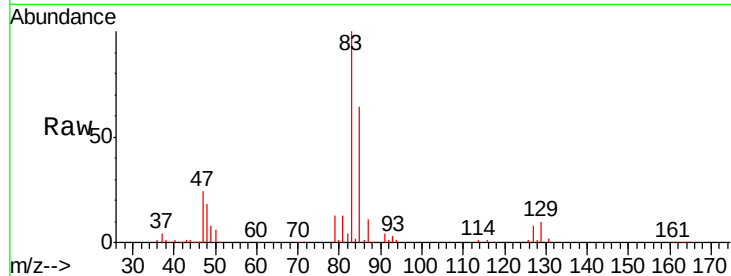
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	234559
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.2	78.4
127	8.4	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:55 PM



#48

Methyl methacrylate

Concen: 50.15 ug/l

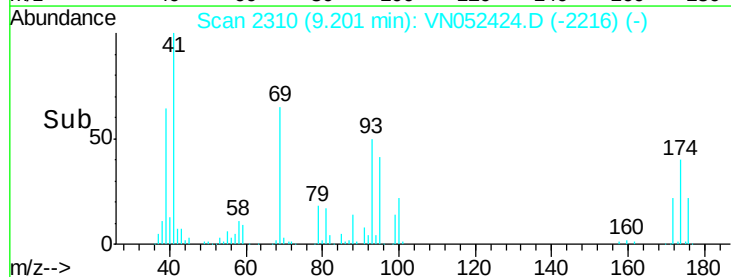
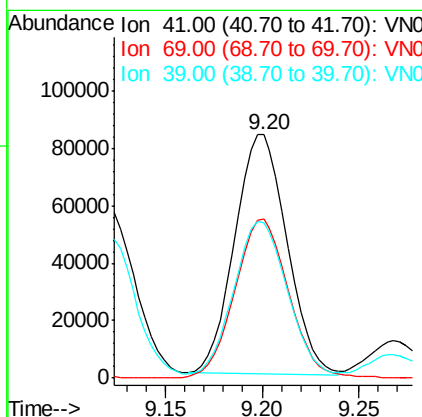
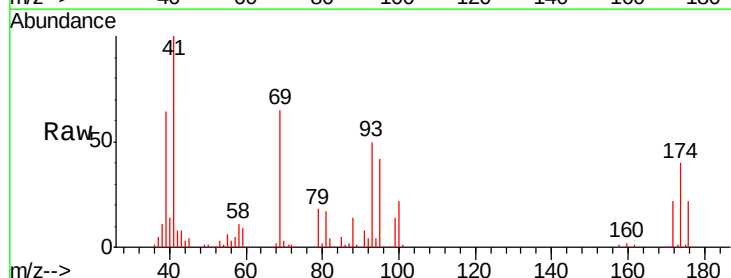
RT: 9.20 min Scan# 2310

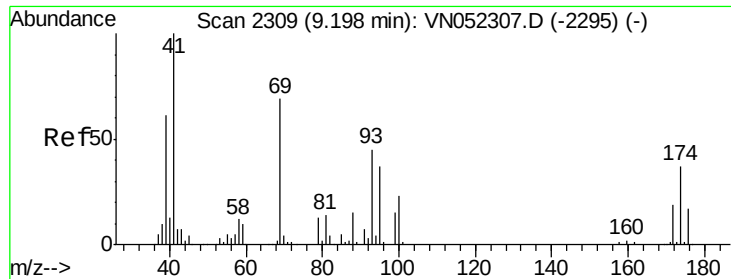
Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion:	41	Resp:	155867
Ion Ratio	Lower	Upper	
41	100		
69	68.9	57.1	85.7
39	68.0	52.5	78.7





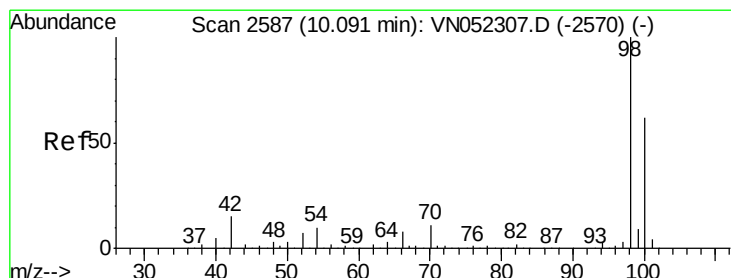
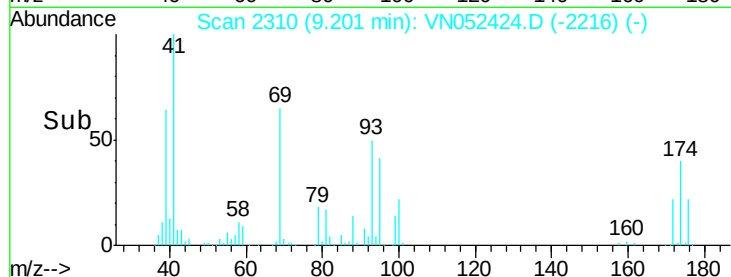
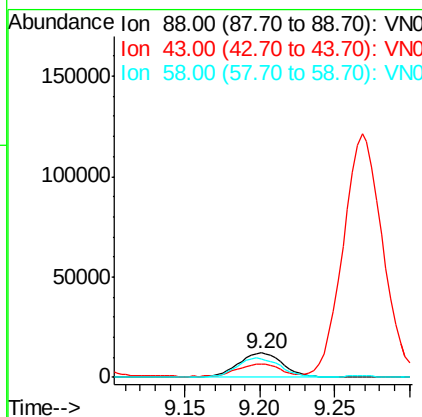
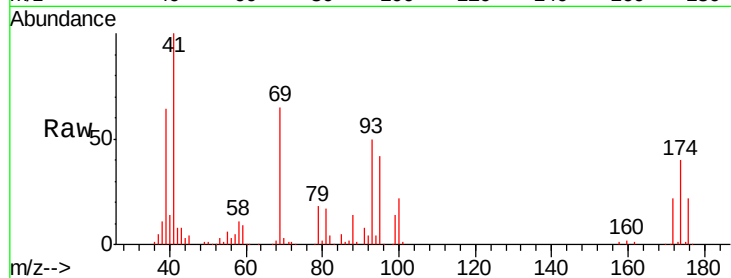
#49
1,4-Dioxane
Concen: 1062.51 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	47.1	33.3	49.9
58	78.5	59.2	88.8

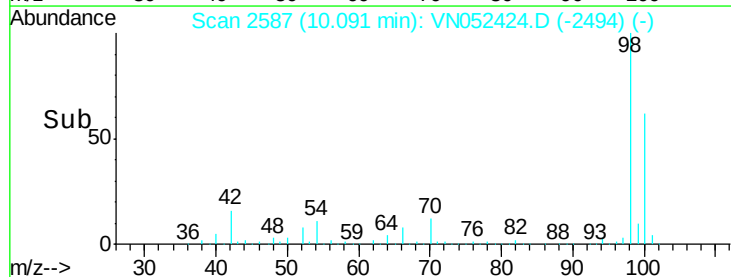
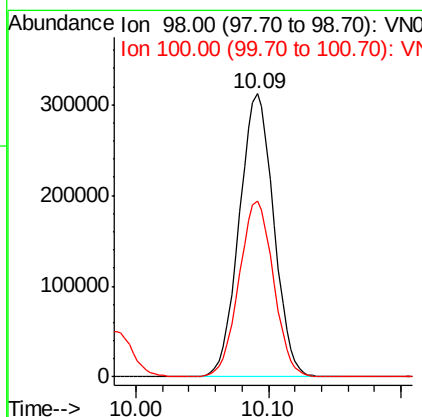
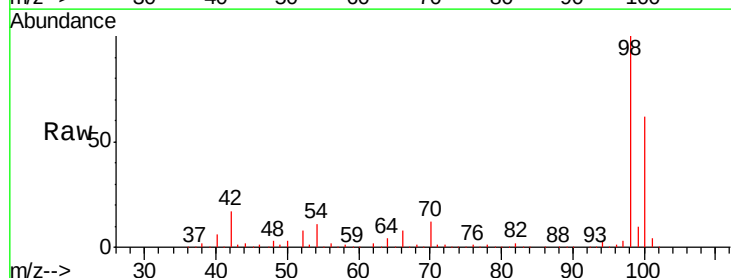
Manual Integrations
APPROVED

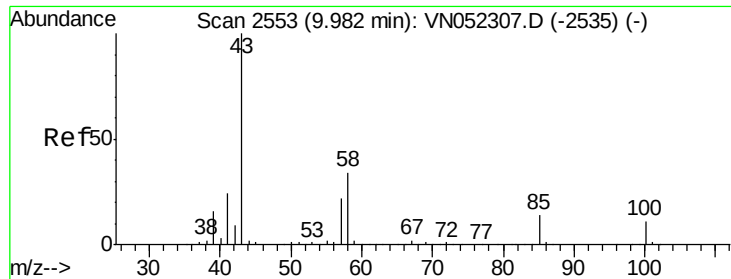
MMDadoda
11/21/2018 5:12:55 PM



#50
Toluene-d8
Concen: 1062.51 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.1	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 274.53 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 846388

Ion Ratio Lower Upper

43 100

58 32.8

27.0

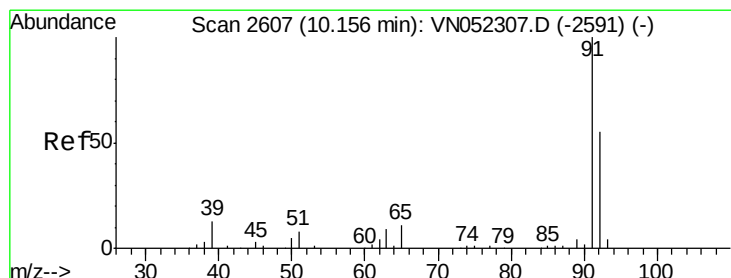
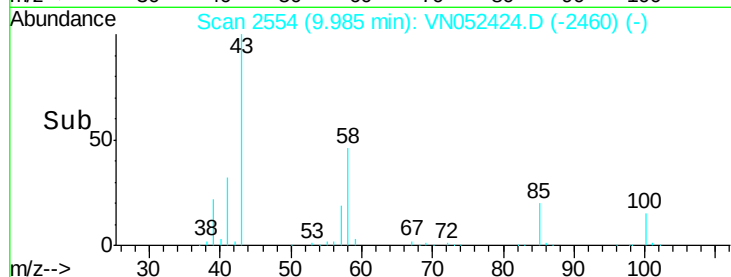
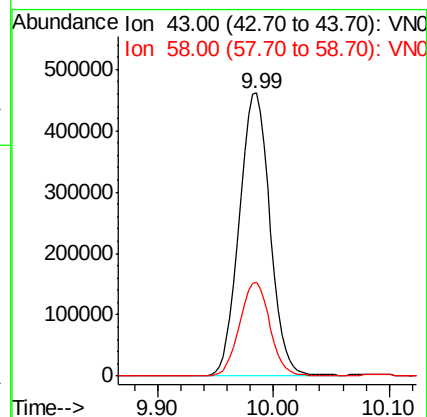
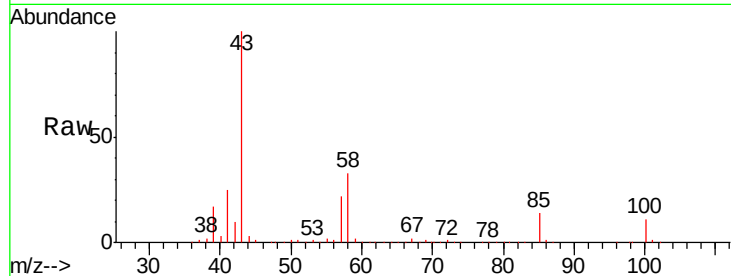
40.6

Manual Integrations

APPROVED

MMDadoda

11/21/2018 5:12:55 PM



#52

Toluene

Concen: 51.28 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion: 92 Resp: 383287

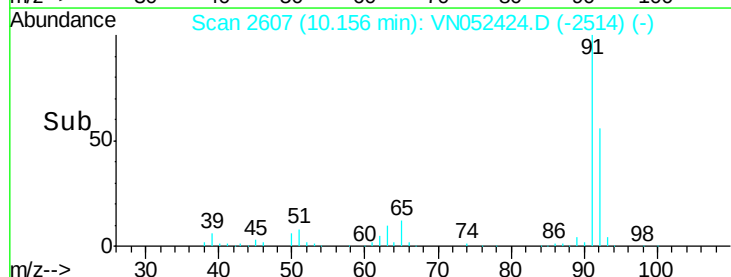
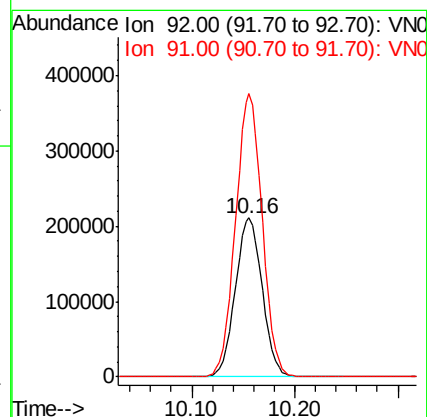
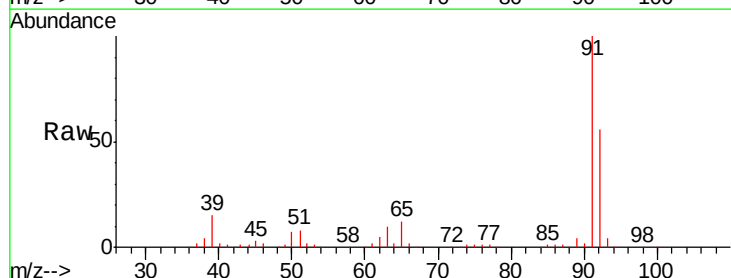
Ion Ratio Lower Upper

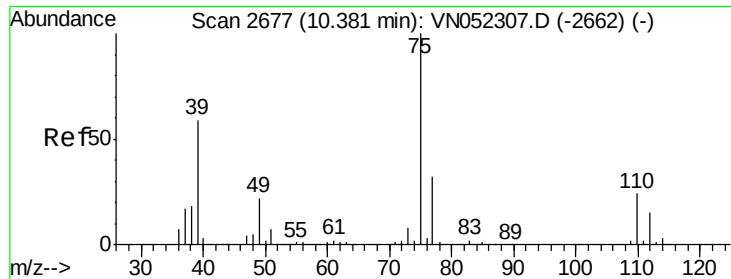
92 100

91 176.6

143.6

215.4





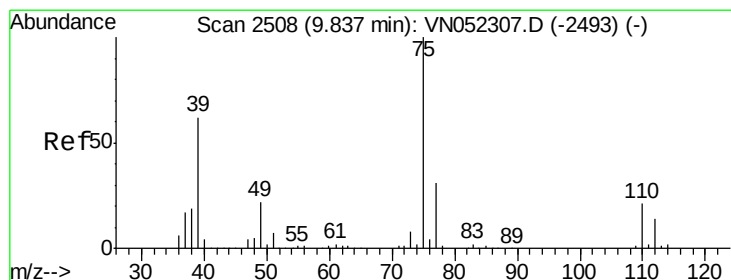
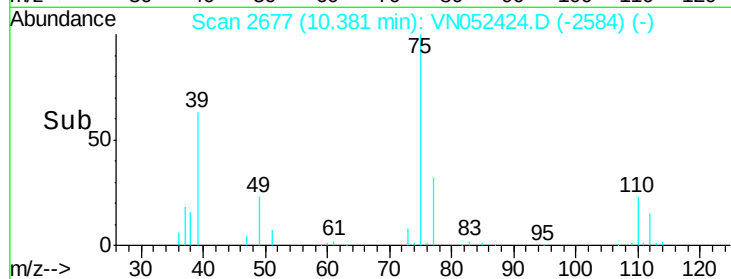
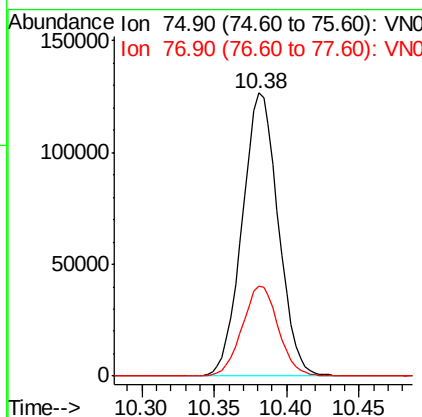
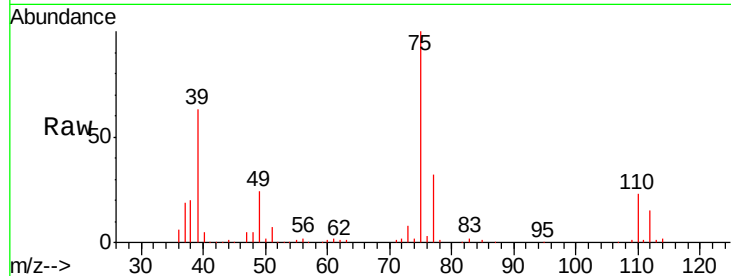
#53
t-1,3-Dichloropropene
Concen: 51.69 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 219596
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5

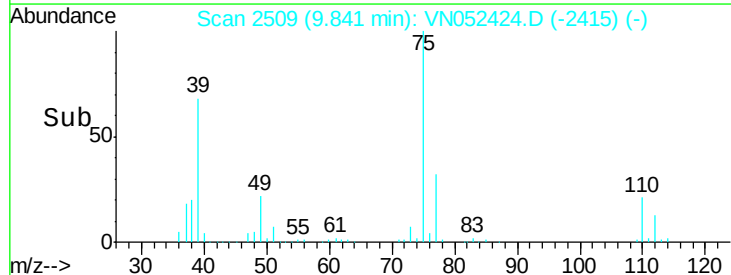
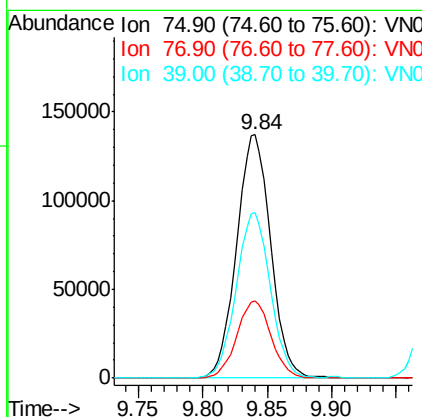
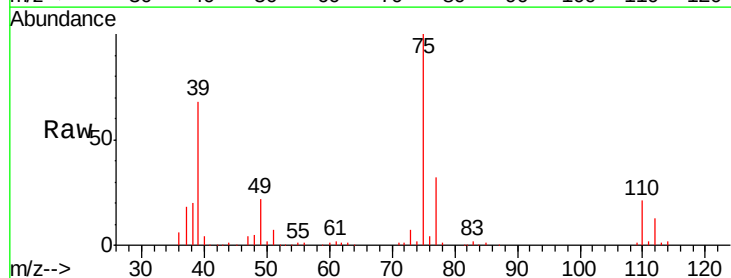
Manual Integrations
APPROVED

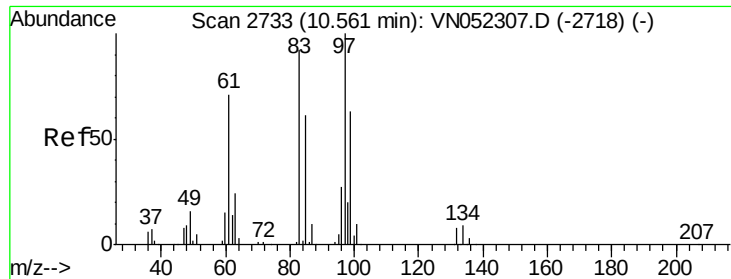
MMDadoda
11/21/2018 5:12:55 PM



#54
cis-1,3-Dichloropropene
Concen: 52.23 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion: 75 Resp: 252933
Ion Ratio Lower Upper
75 100
77 31.9 24.6 36.8
39 67.9 49.9 74.9





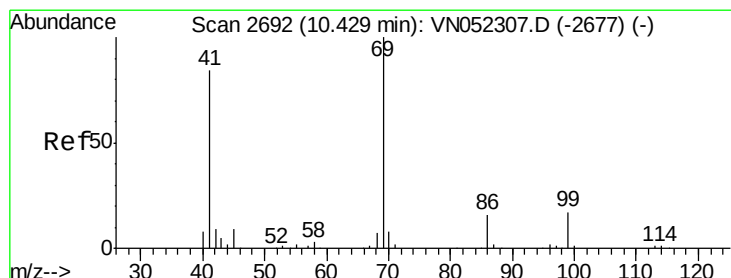
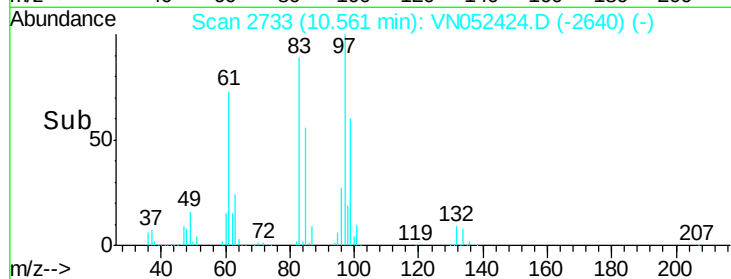
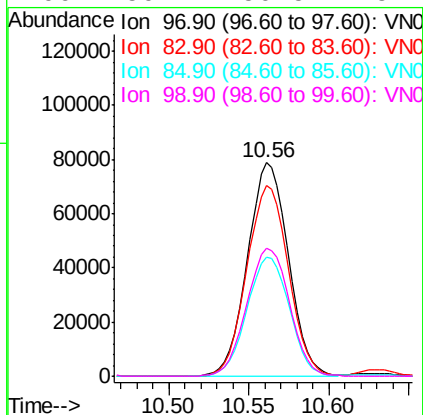
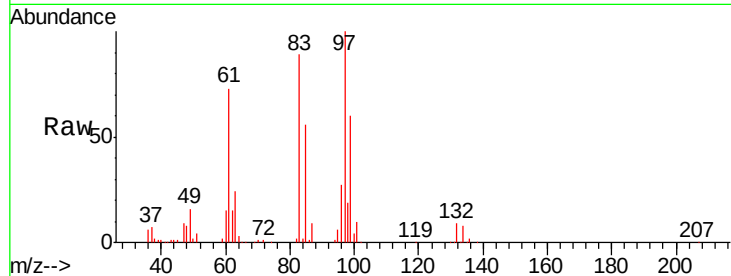
#55
 1,1,2-Trichloroethane
 Concen: 51.07 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	73.8	110.6
85	56.0	49.0	73.4
99	59.7	50.5	75.7

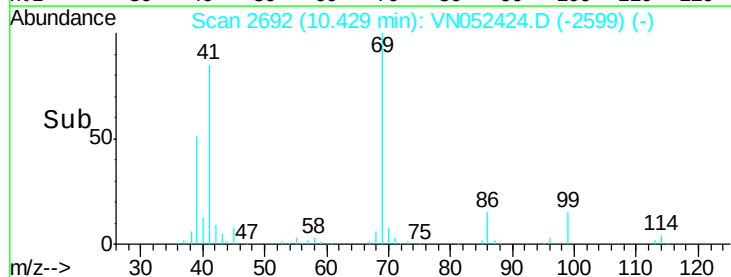
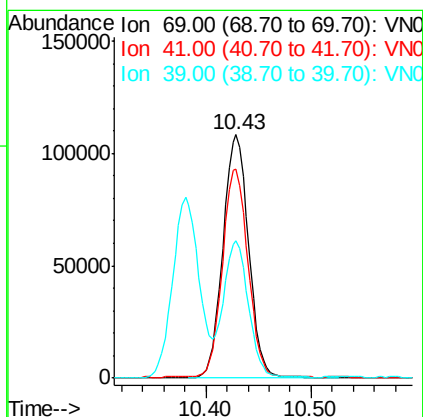
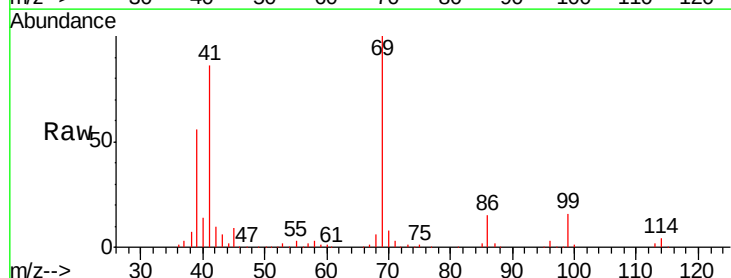
Manual Integrations
 APPROVED

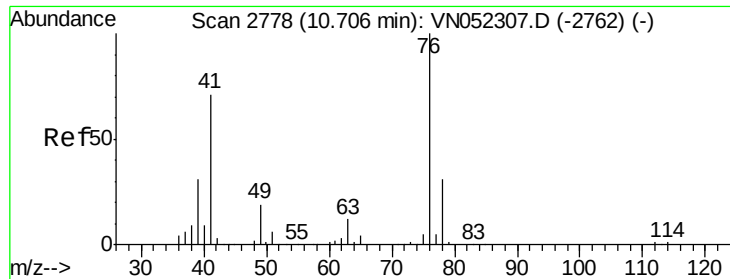
MMDadoda
 11/21/2018 5:12:55 PM



#56
 Ethyl methacrylate
 Concen: 51.20 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.9	64.8	97.2
39	54.7	41.0	61.6





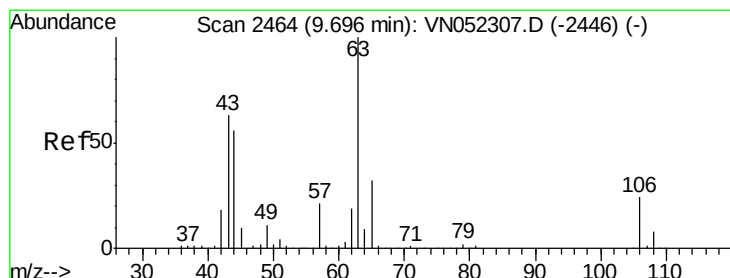
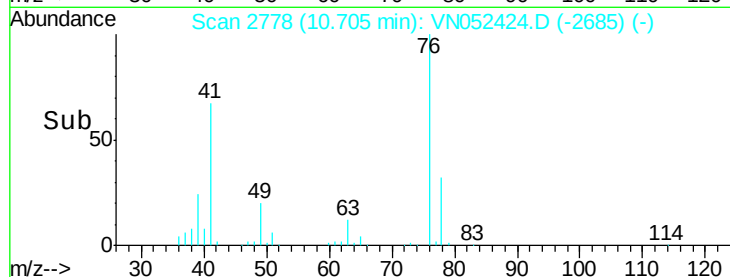
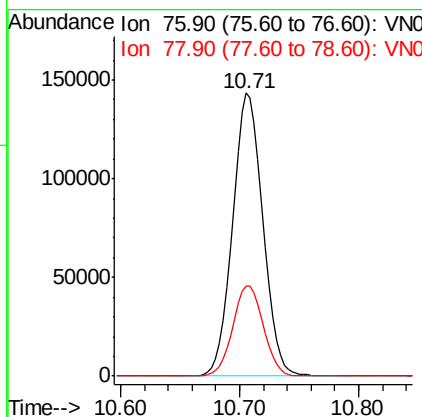
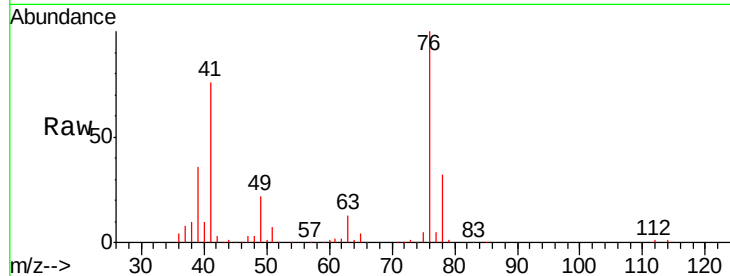
#57
 1,3-Dichloropropane
 Concen: 52.47 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 251833
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

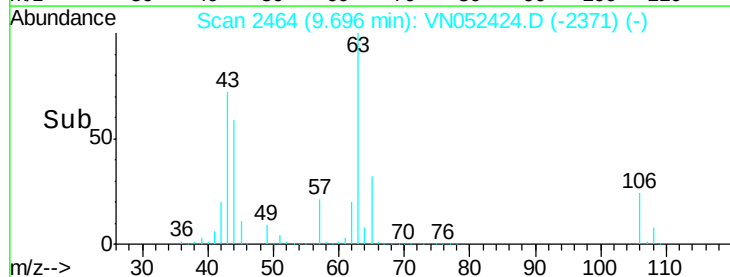
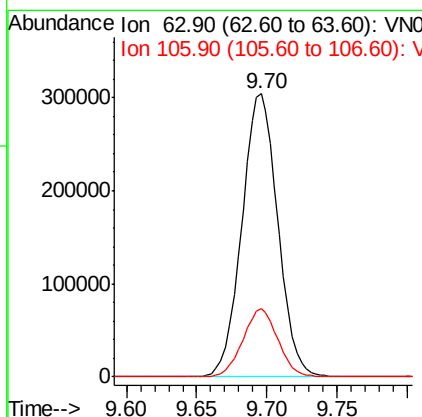
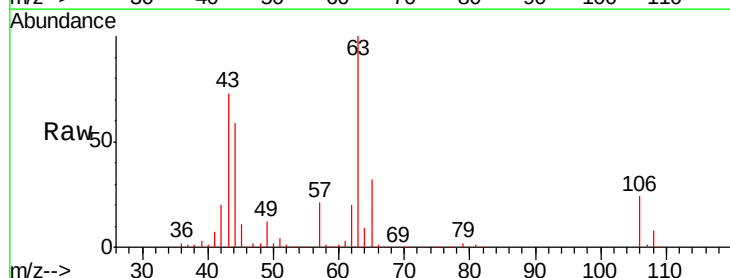
Manual Integrations
 APPROVED

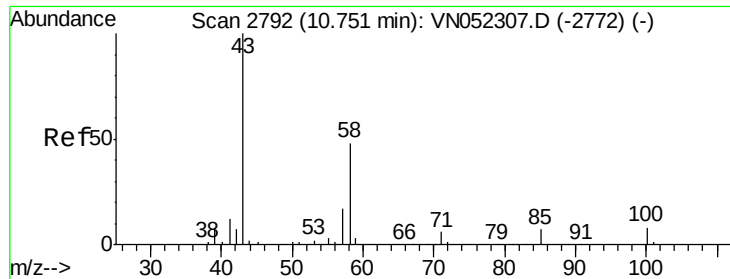
MMDadoda
 11/21/2018 5:12:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.01 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion: 63 Resp: 541678
 Ion Ratio Lower Upper
 63 100
 106 23.6 19.3 28.9





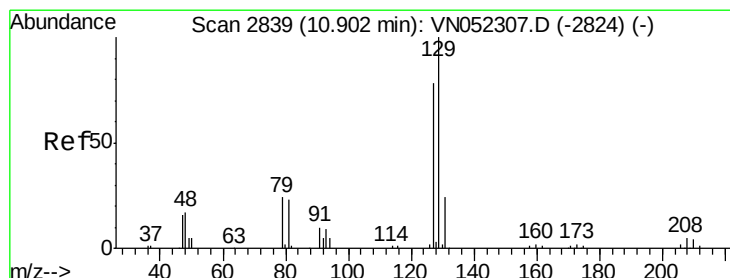
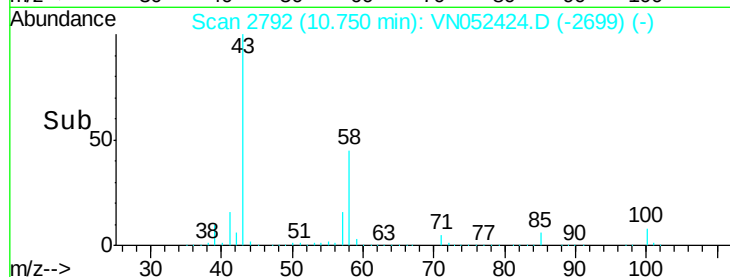
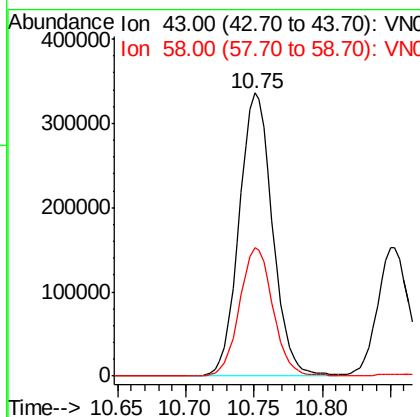
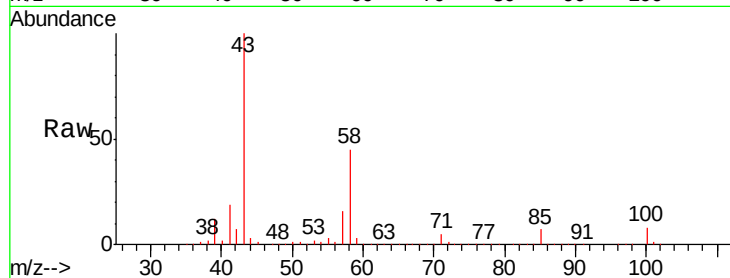
#59
2-Hexanone
Concen: 268.79 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 570008
Ion Ratio Lower Upper
43 100
58 45.6 23.5 70.6

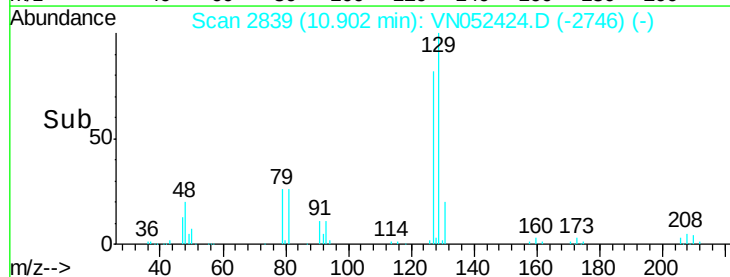
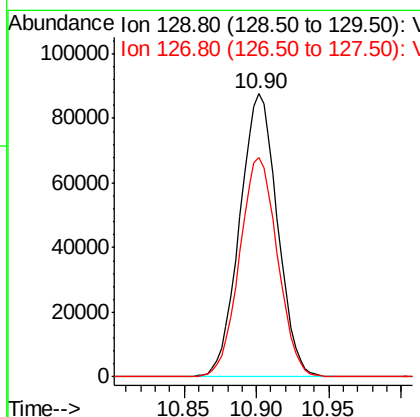
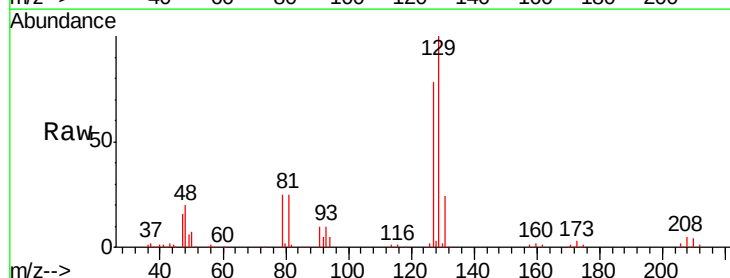
Manual Integrations
APPROVED

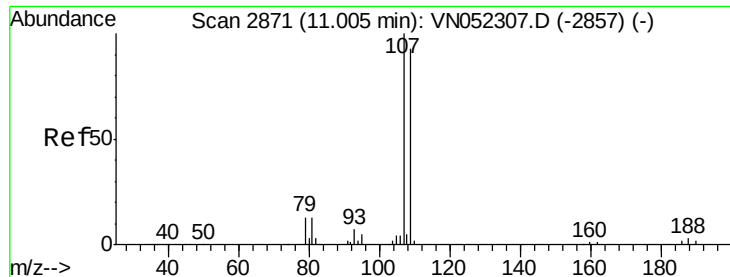
MMDadoda
11/21/2018 5:12:55 PM



#60
Dibromochloromethane
Concen: 54.17 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion: 129 Resp: 158807
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





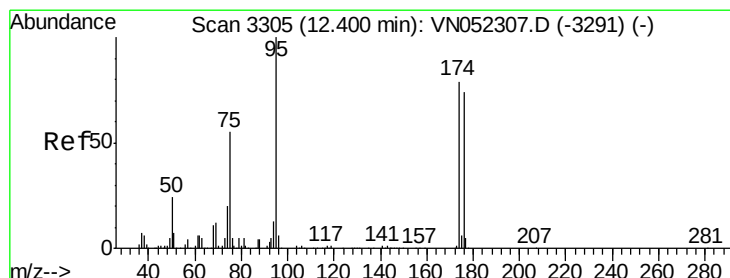
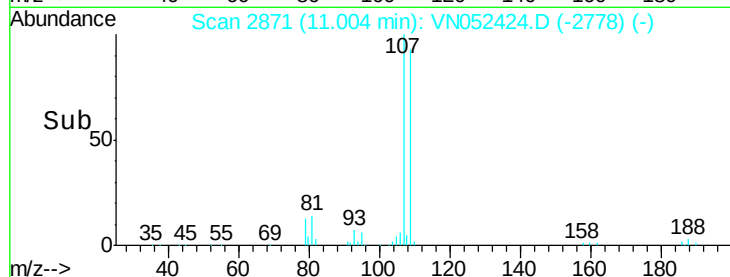
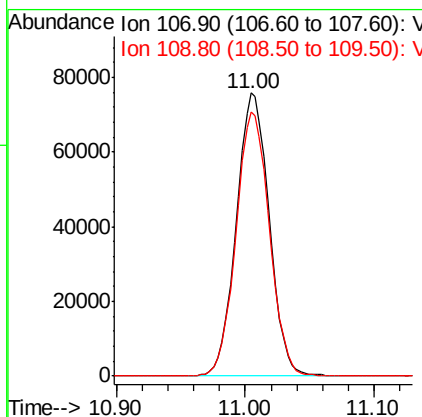
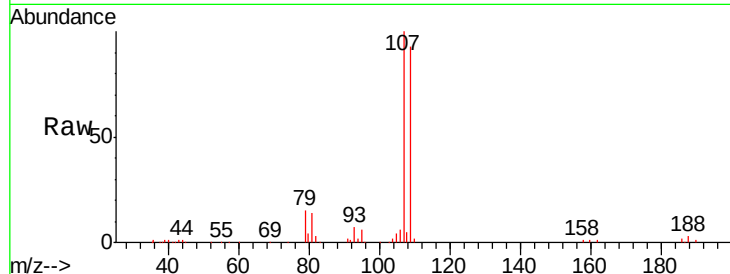
#61
 1,2-Dibromoethane
 Concen: 49.83 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 134494
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.9 112.3

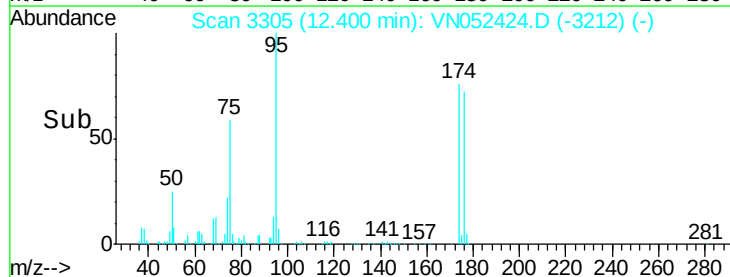
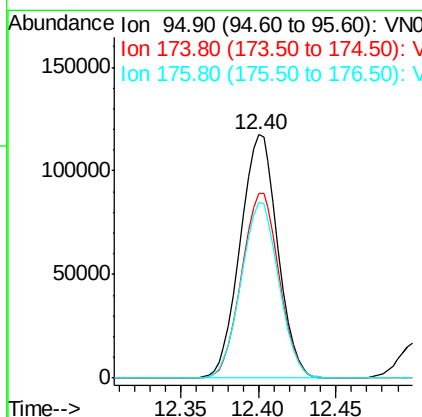
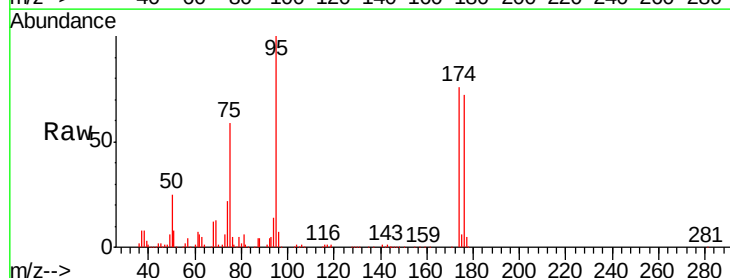
Manual Integrations
 APPROVED

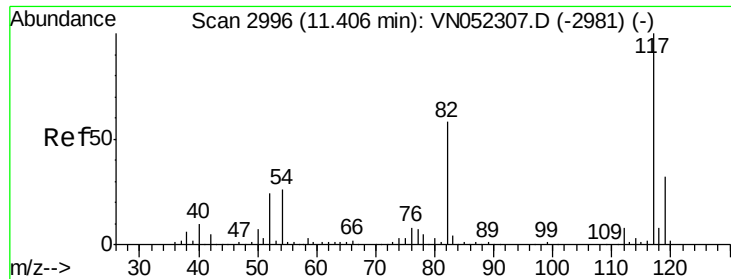
MMDadoda
 11/21/2018 5:12:55 PM



#62
 4-Bromofluorobenzene
 Concen: 49.83 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion: 95 Resp: 197684
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 156.0
 176 72.7 0.0 148.4





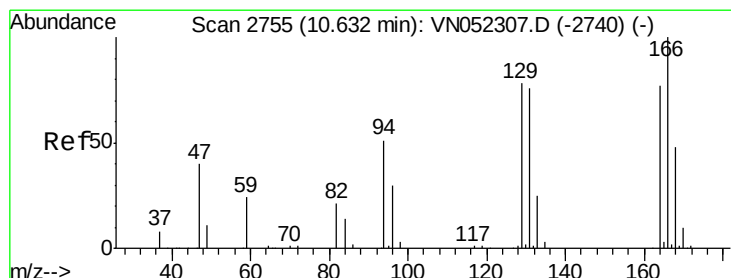
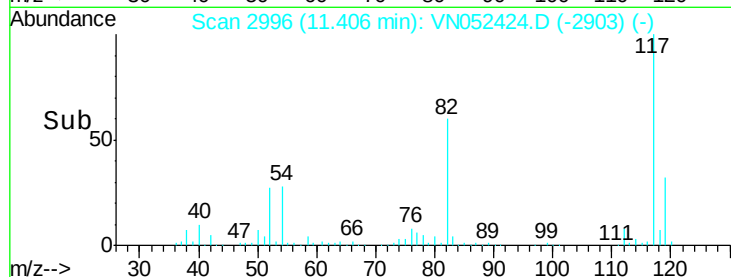
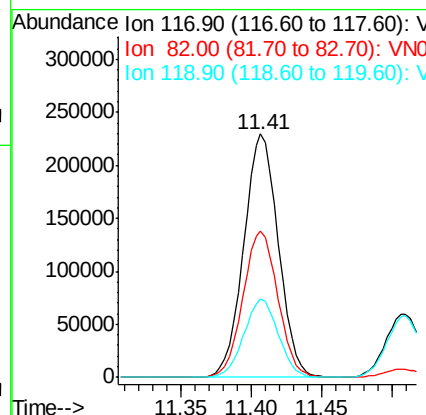
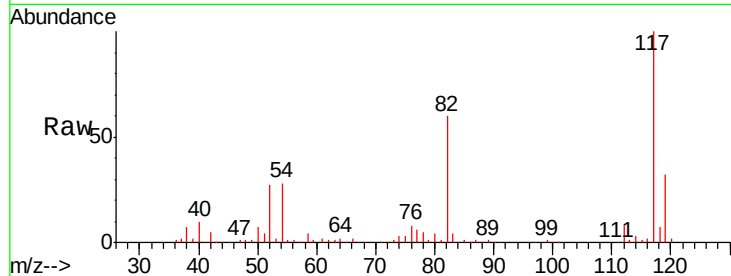
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.5	69.7
119	32.1	25.7	38.5

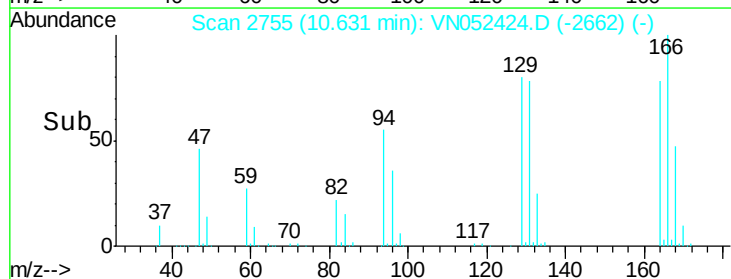
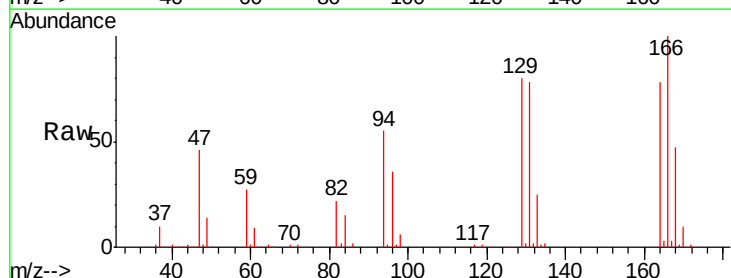
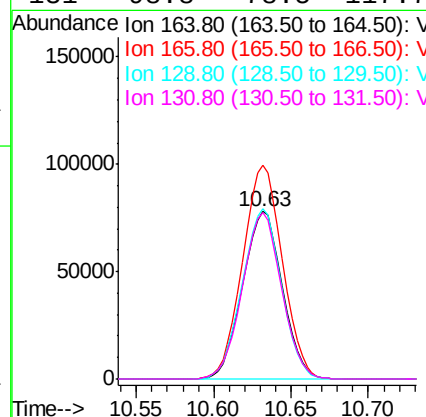
Manual Integrations
APPROVED

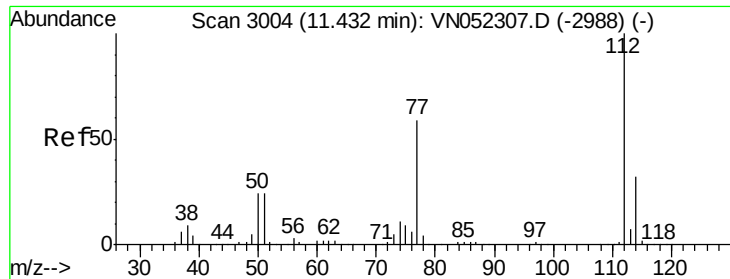
MMDadoda
11/21/2018 5:12:55 PM



#64
Tetrachloroethene
Concen: 49.81 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.8	155.6
129	101.5	80.7	121.1
131	98.8	78.5	117.7





#65

Chlorobenzene

Concen: 49.76 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 414715

Ion Ratio Lower Upper

112 100

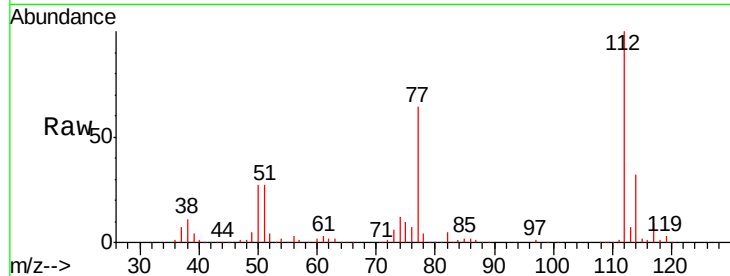
114 32.3 25.9 38.9

Manual Integrations

APPROVED

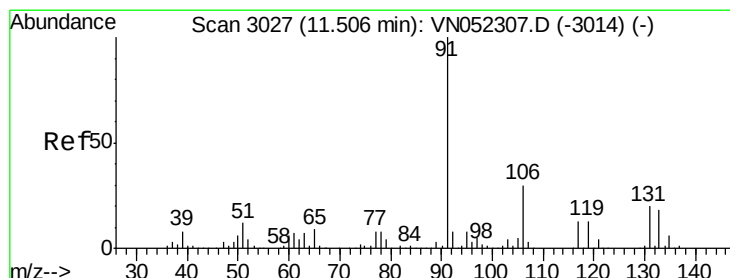
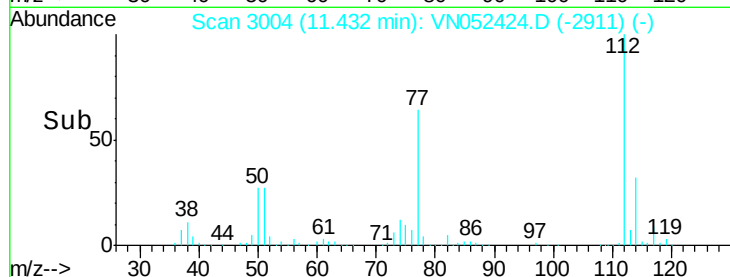
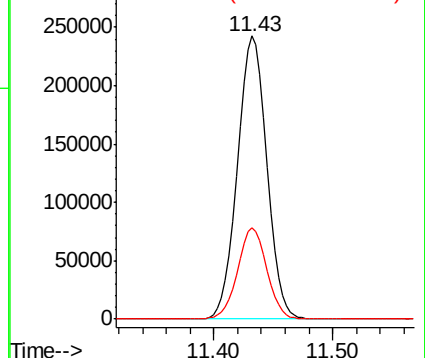
MMDadoda

11/21/2018 5:12:55 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.40 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

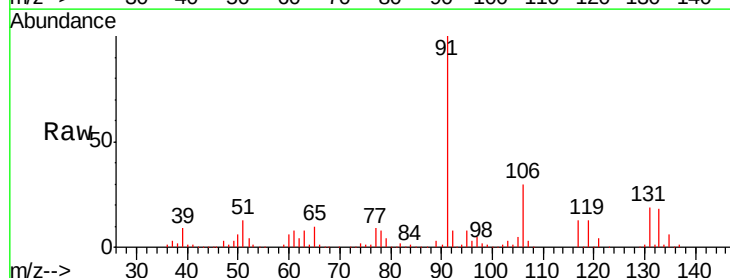
Tgt Ion:131 Resp: 148912

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

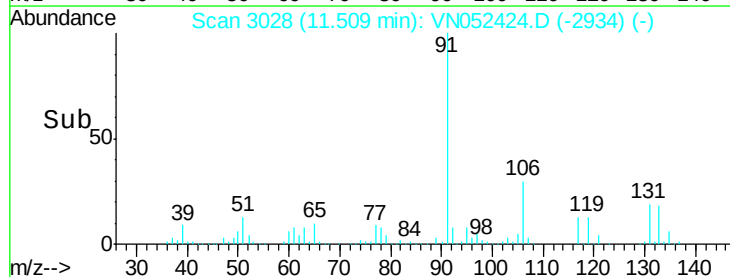
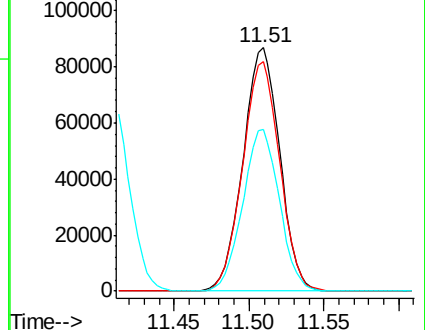
119 66.3 33.3 99.9

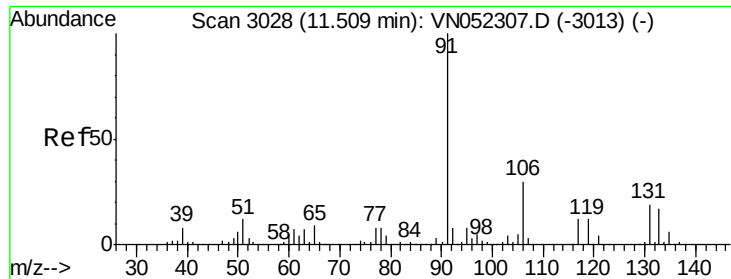


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





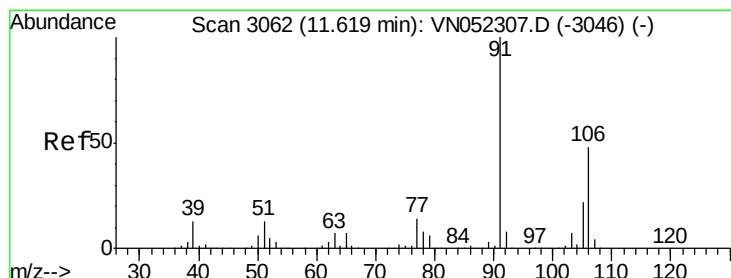
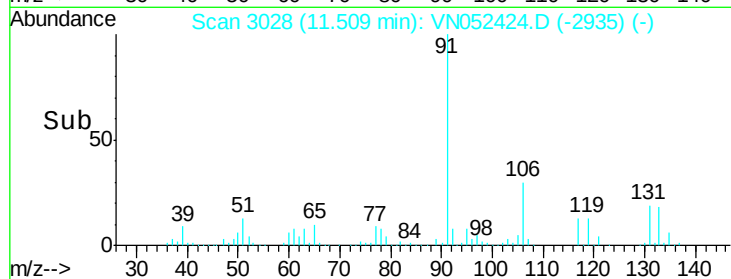
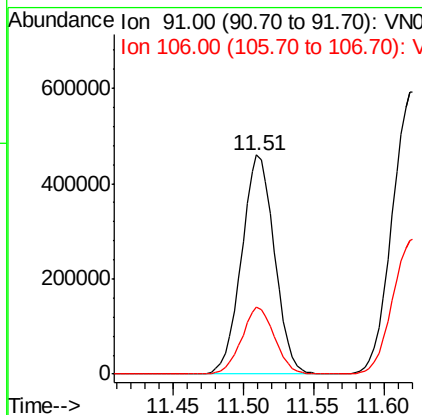
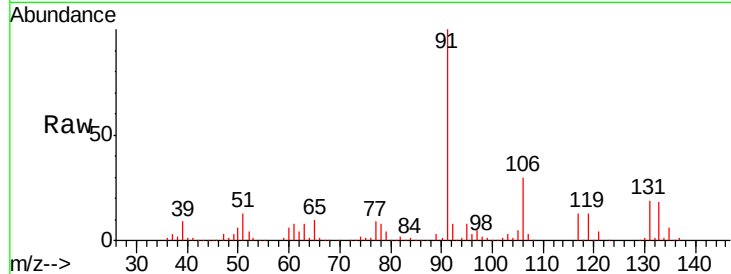
#67
Ethyl Benzene
 Concen: 51.98 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 751943
 Ion Ratio Lower Upper
 91 100
 106 30.3 24.2 36.2

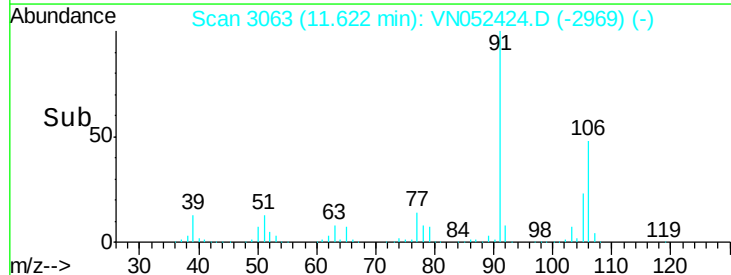
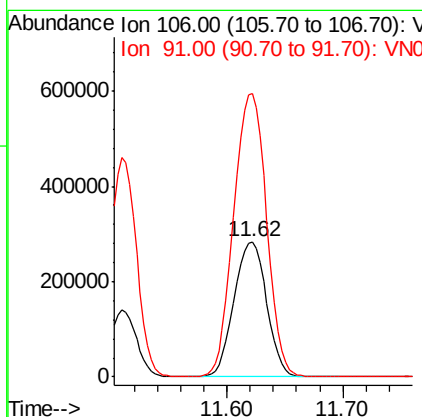
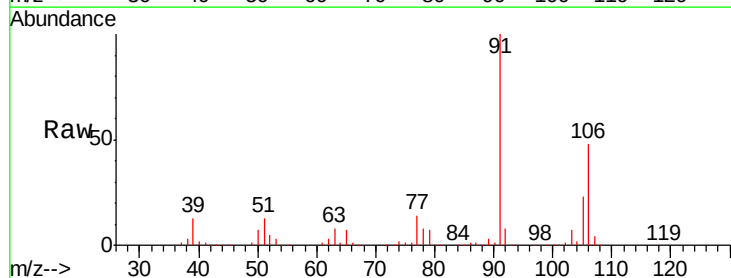
Manual Integrations
 APPROVED

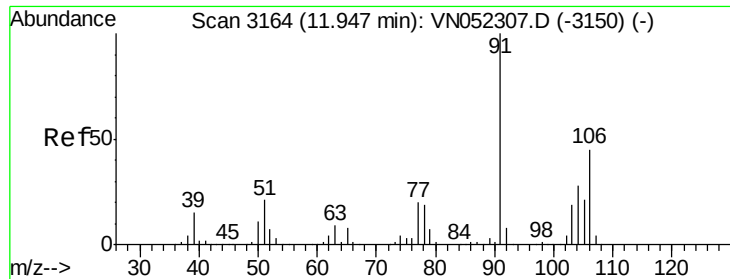
MMDadoda
 11/21/2018 5:12:55 PM



#68
m/p-Xylenes
 Concen: 104.62 ug/l
 RT: 11.62 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion: 106 Resp: 552951
 Ion Ratio Lower Upper
 106 100
 91 210.9 165.5 248.3





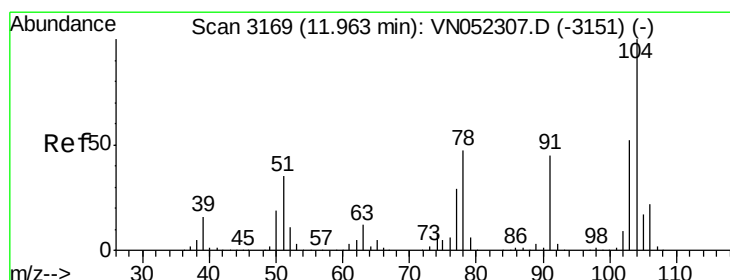
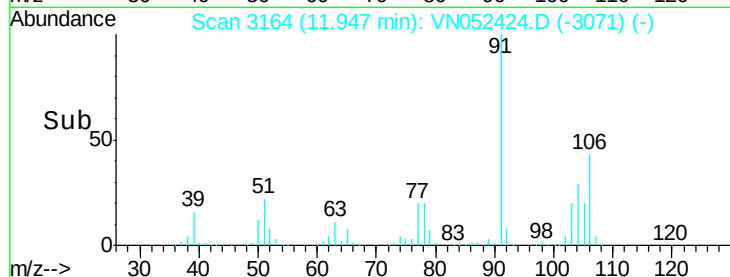
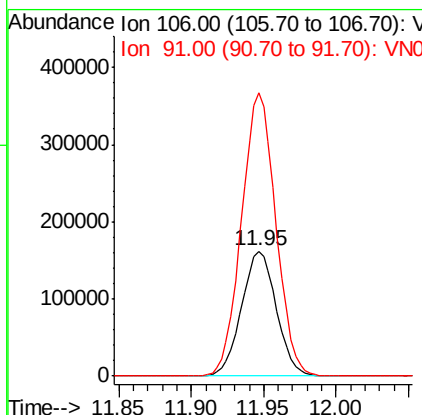
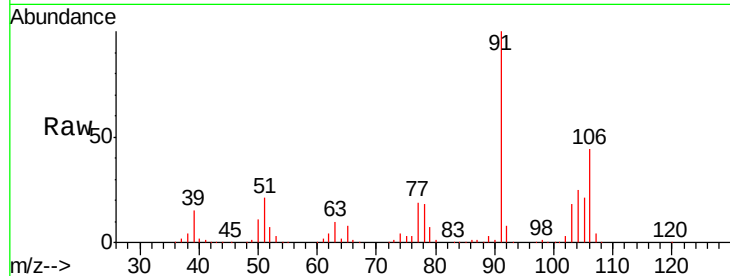
#69
o-Xylene
Concen: 53.25 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 269777
Ion Ratio Lower Upper
106 100
91 223.9 110.0 330.0

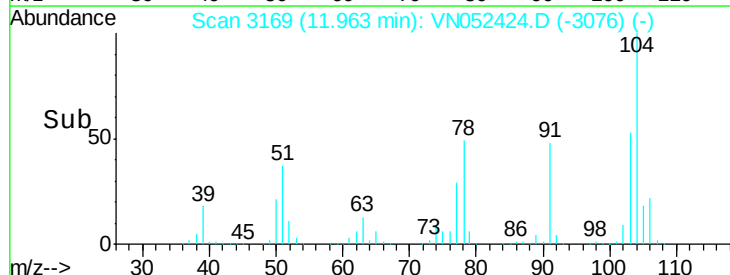
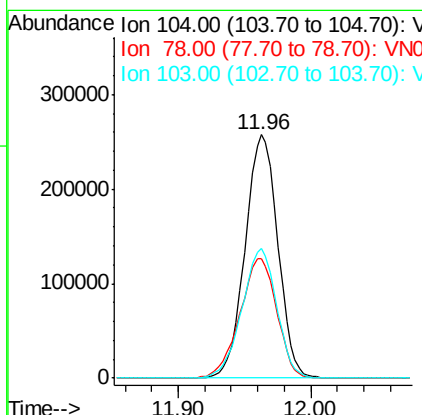
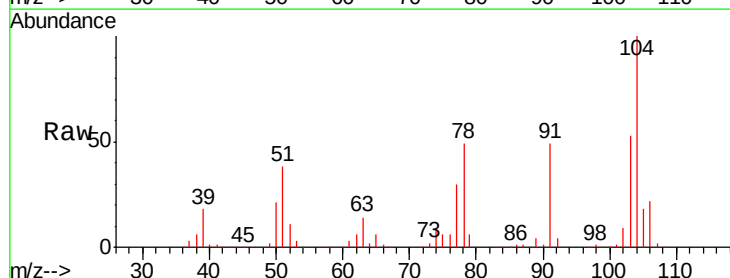
Manual Integrations
APPROVED

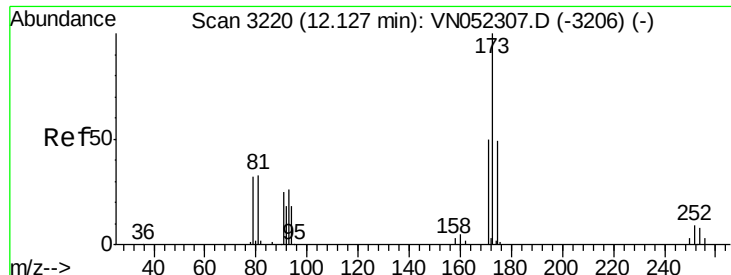
MMDadoda
11/21/2018 5:12:55 PM



#70
Styrene
Concen: 54.33 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion:104 Resp: 440725
Ion Ratio Lower Upper
104 100
78 55.4 42.7 64.1
103 56.8 45.4 68.0





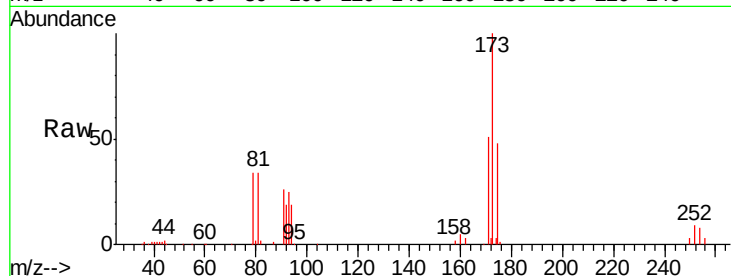
#71
Bromoform
Concen: 57.58 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

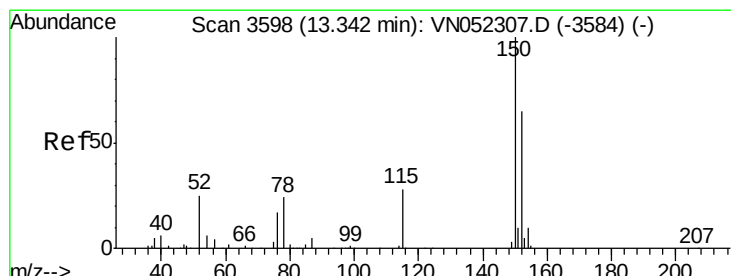
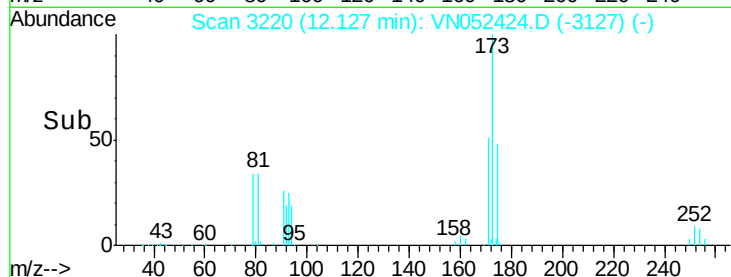
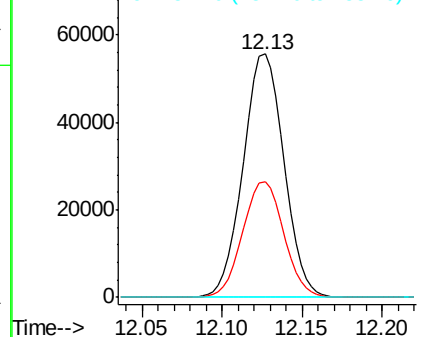
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.7	25.0	75.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:55 PM

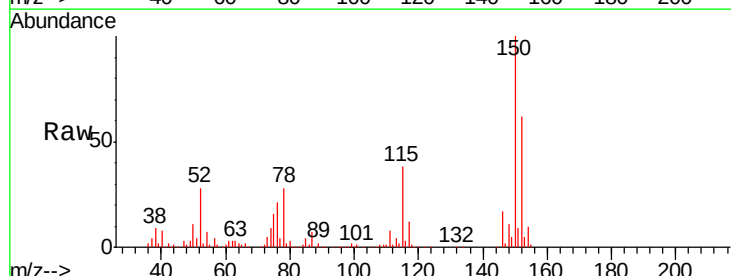


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

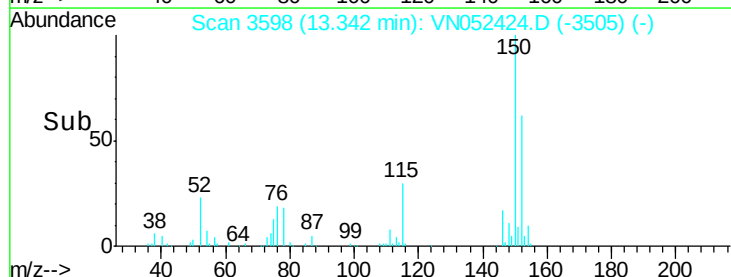
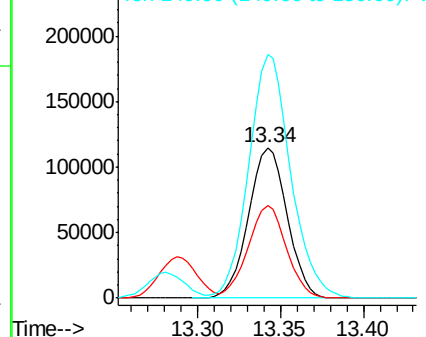


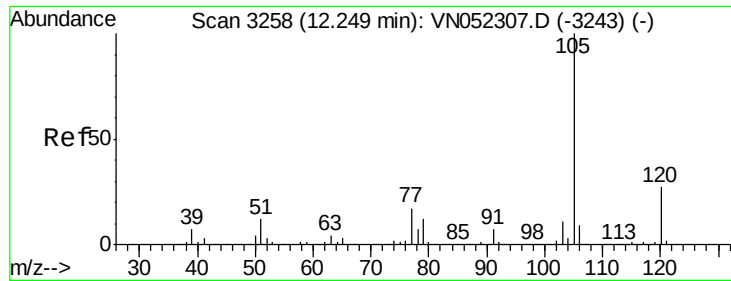
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.3	91.0
150	175.8	0.0	348.2



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





#73

Isopropylbenzene

Concen: 49.62 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 740210

Ion Ratio Lower Upper

105 100

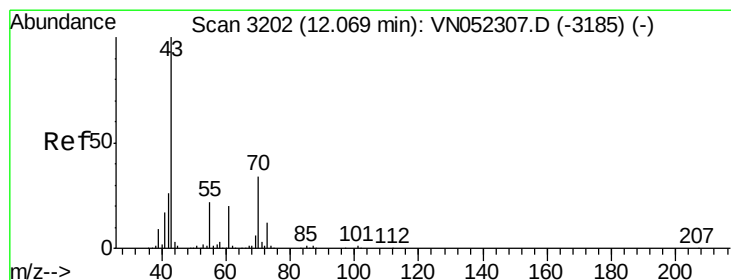
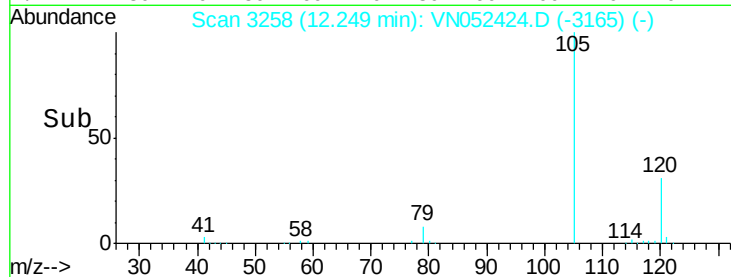
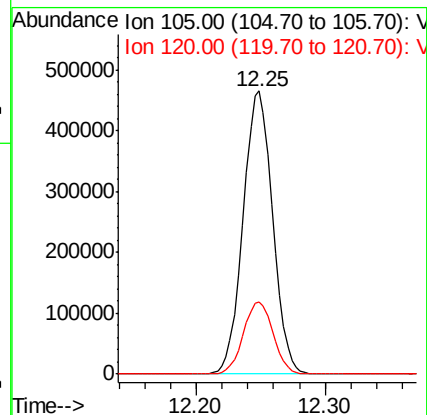
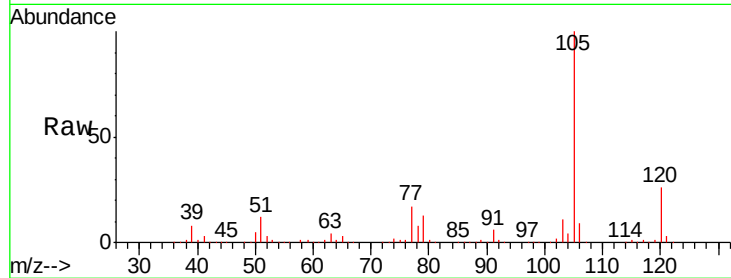
120 25.7 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

11/21/2018 5:12:55 PM



#74

N-ethyl acetate

Concen: 49.12 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion: 43 Resp: 260990

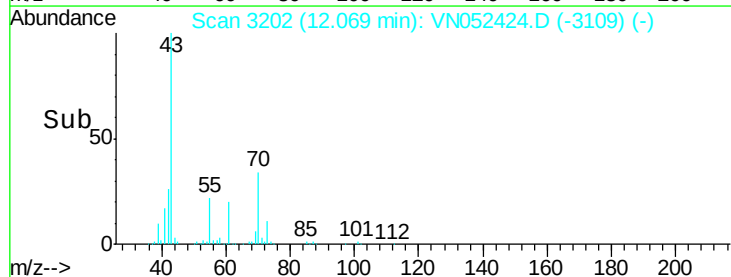
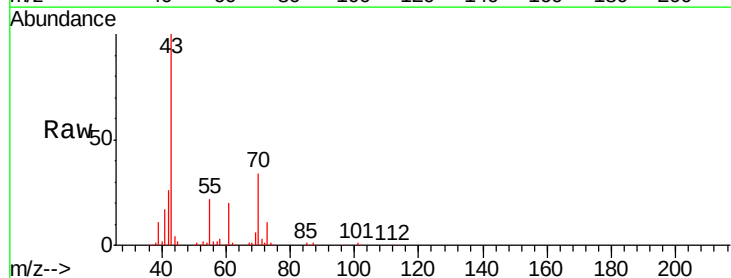
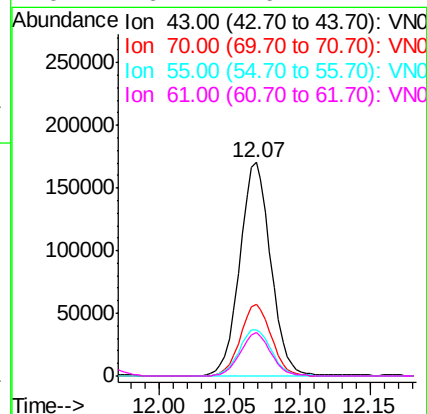
Ion Ratio Lower Upper

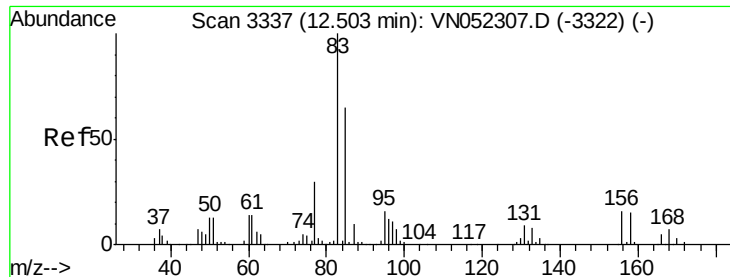
43 100

70 33.9 27.1 40.7

55 23.1 17.4 26.0

61 20.1 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.39 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

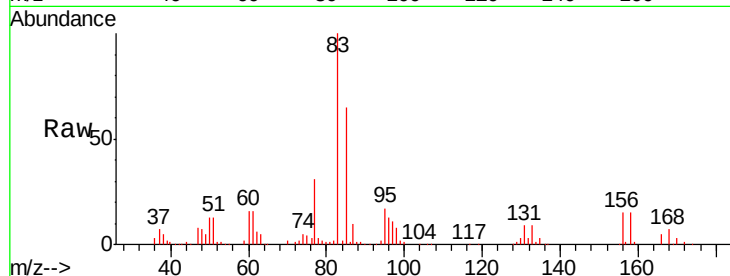
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	174482
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.7	14.1
85	64.4	32.4	97.2

Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:55 PM

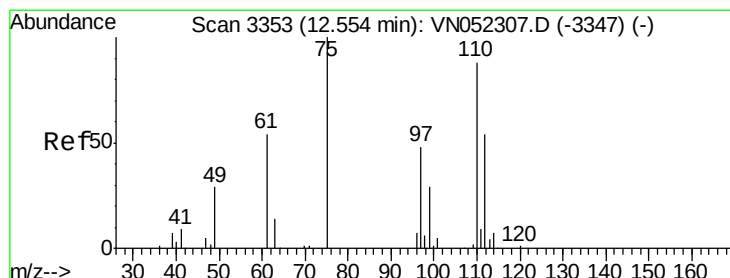
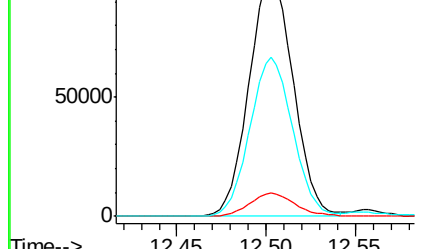
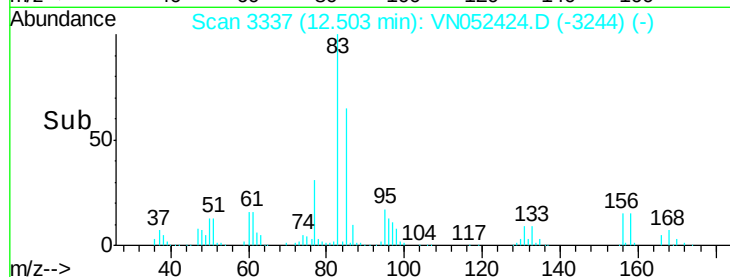


Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052307.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.87 ug/l m

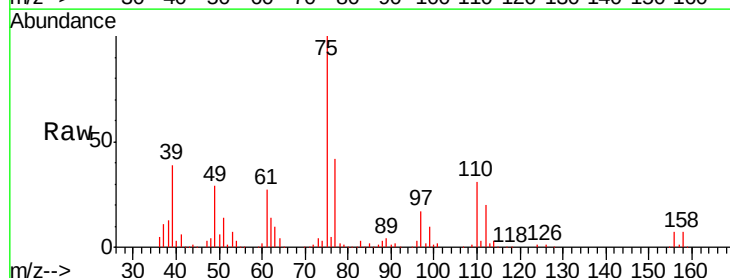
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

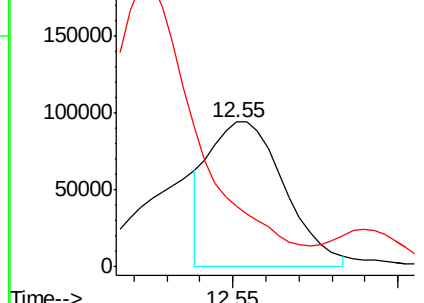
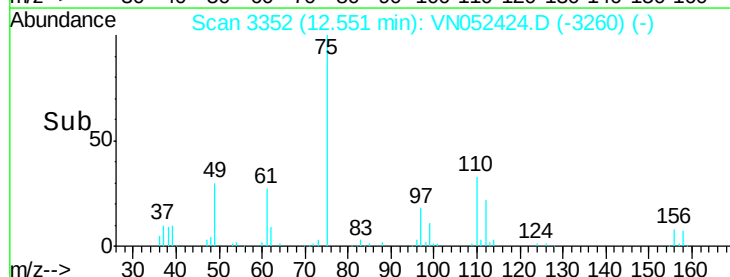
Tgt Ion:	75	Resp:	150698
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

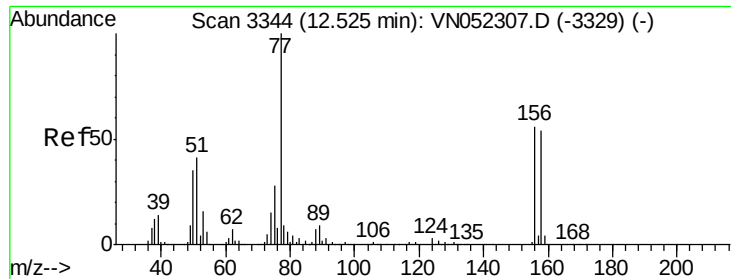


Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052307.D (-3347) (-)

Time-->





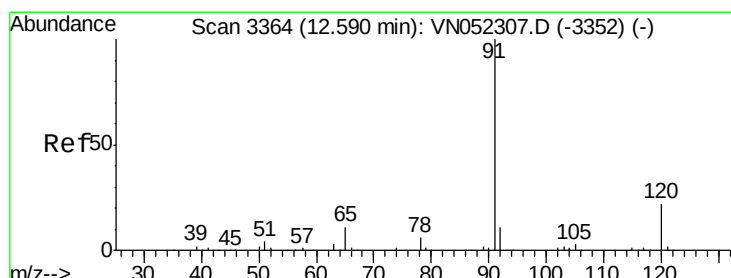
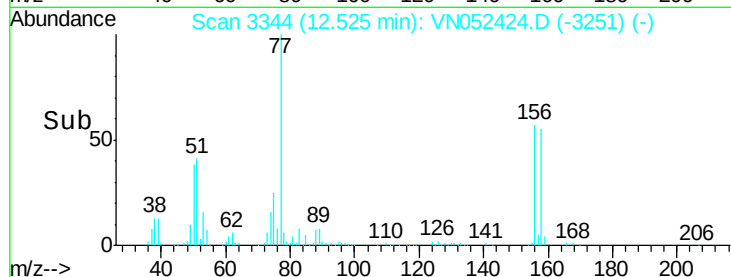
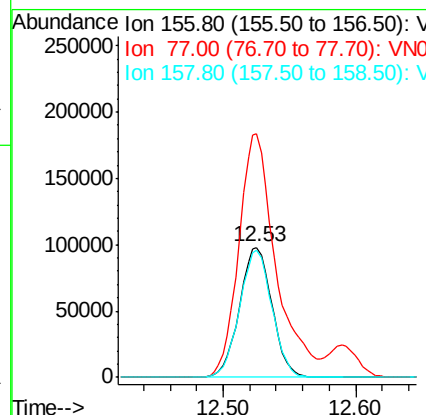
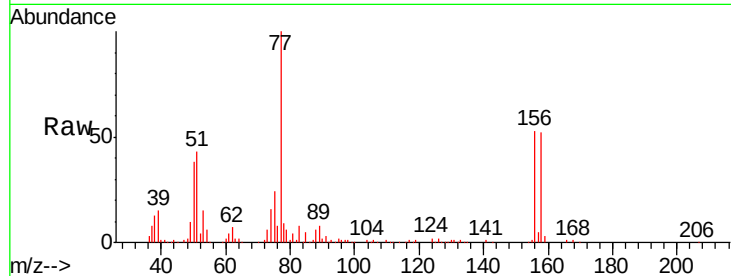
#77
Bromobenzene
Concen: 47.88 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	215.3	103.6	310.9
158	97.7	48.1	144.4

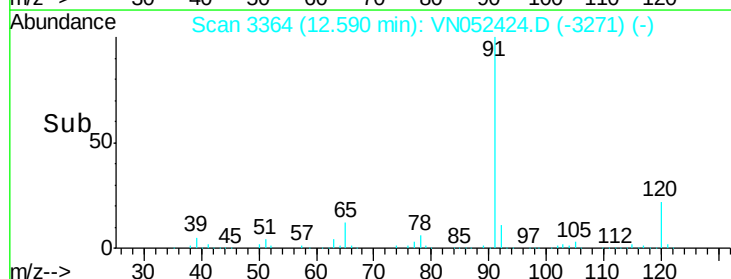
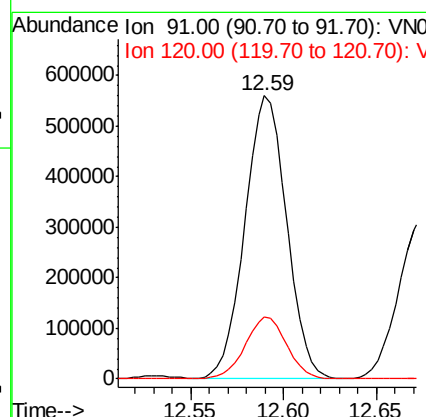
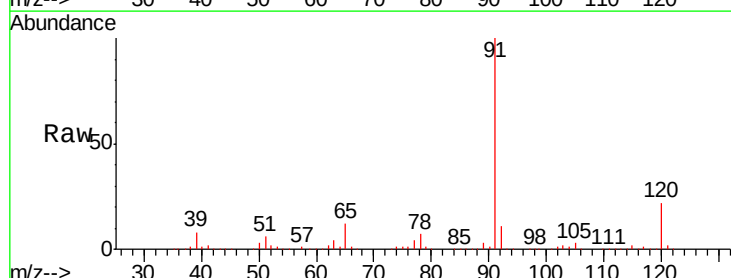
Manual Integrations
APPROVED

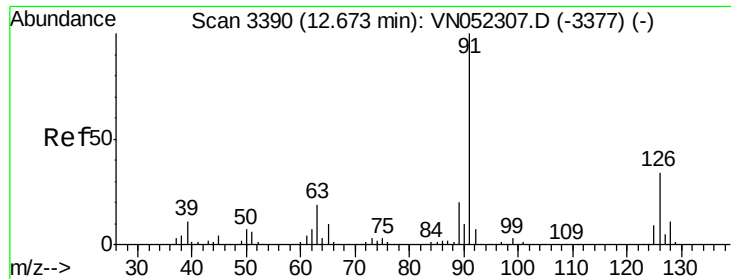
MMDadoda
11/21/2018 5:12:55 PM



#78
n-propylbenzene
Concen: 50.24 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.1	33.1





#79

2-Chlorotoluene

Concen: 50.11 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 510659

Ion Ratio Lower Upper

91 100

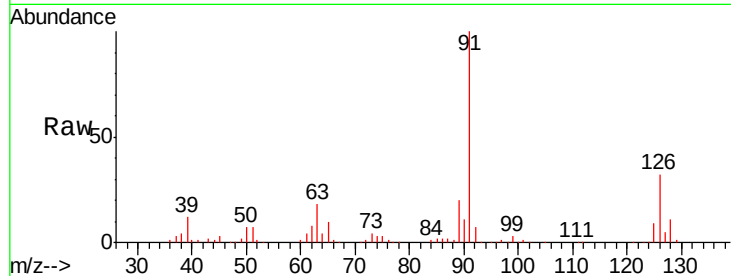
126 32.3 17.0 51.0

Manual Integrations

APPROVED

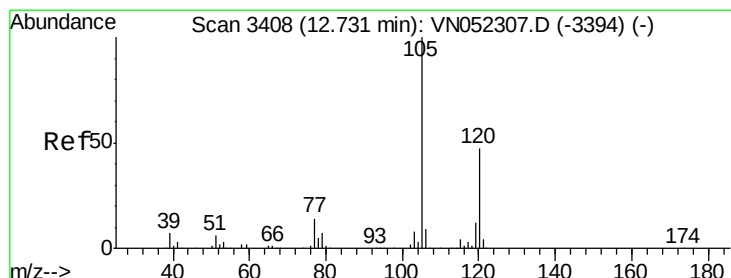
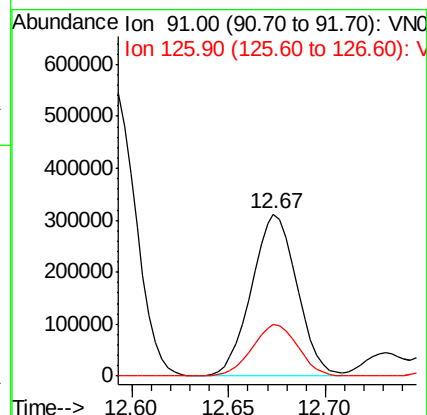
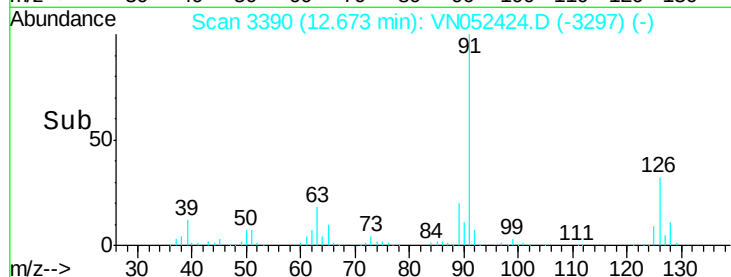
MMDadoda

11/21/2018 5:12:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.09 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052424.D

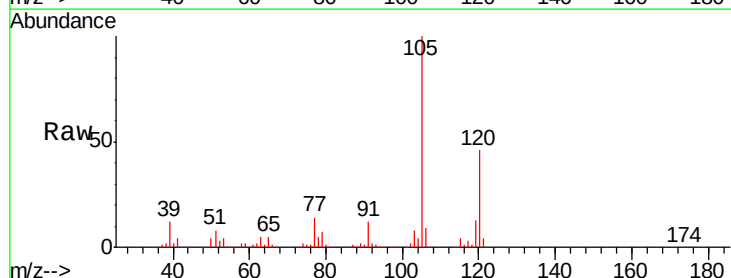
Acq: 20 Nov 2018 22:38

Tgt Ion: 105 Resp: 606117

Ion Ratio Lower Upper

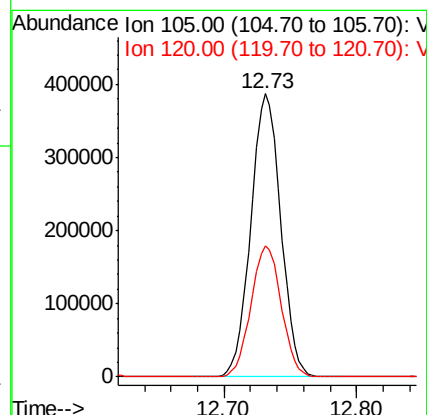
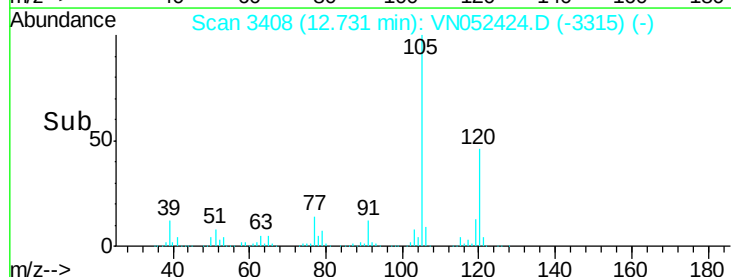
105 100

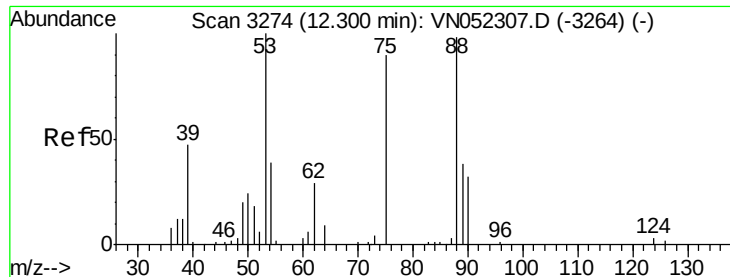
120 47.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)





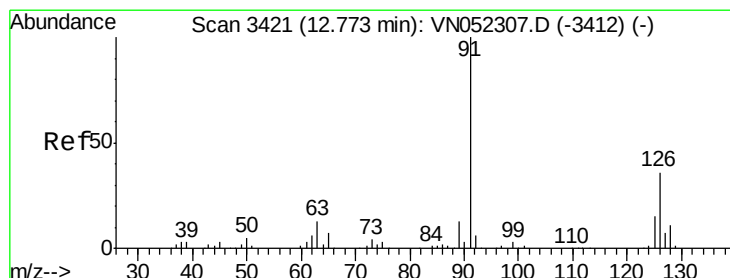
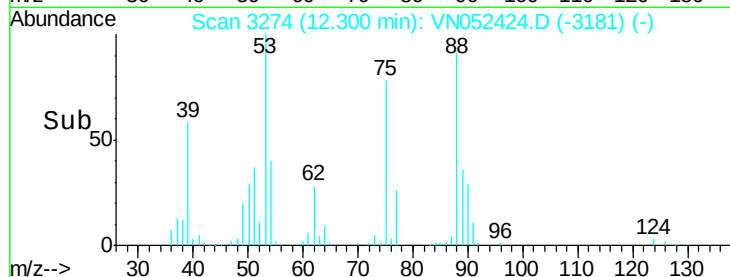
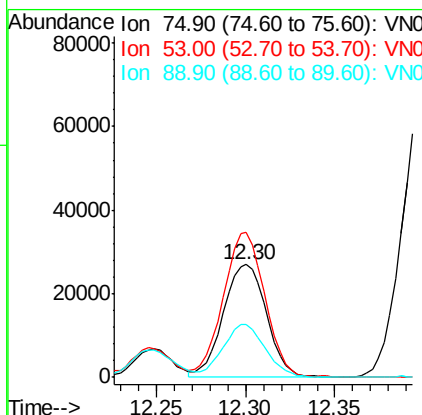
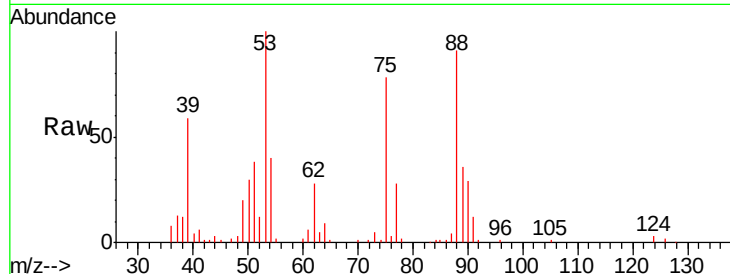
#81
trans-1,4-Dichloro-2-butene
Concen: 47.07 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45685		
53	121.9	90.2	135.2	
89	46.0	35.4	53.0	

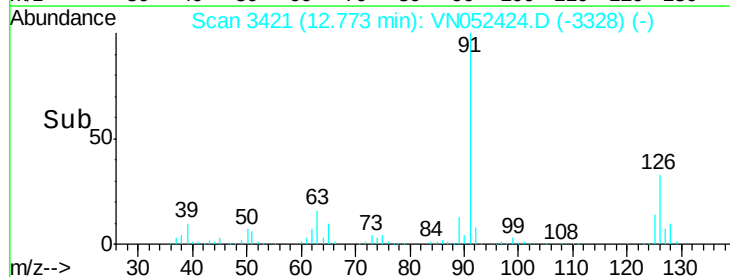
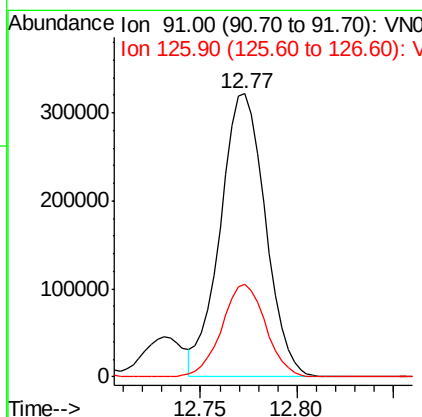
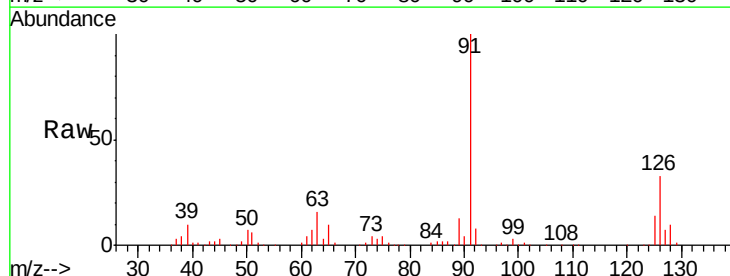
Manual Integrations
APPROVED

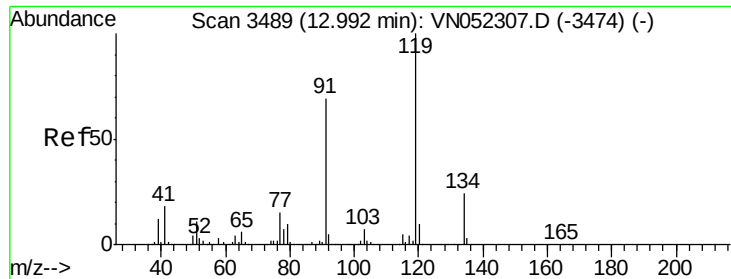
MMDadoda
11/21/2018 5:12:55 PM



#82
4-Chlorotoluene
Concen: 49.81 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052424.D
Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	520128		
126	32.0	17.0	50.9	





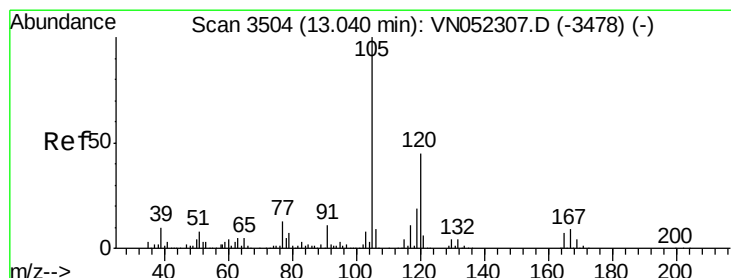
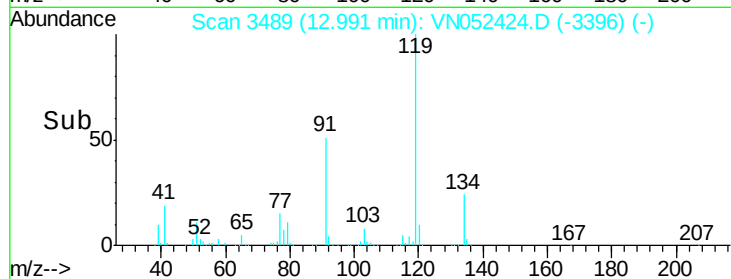
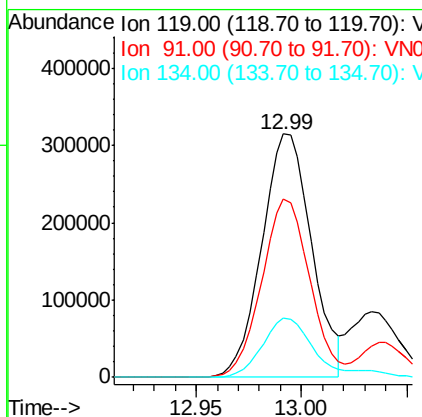
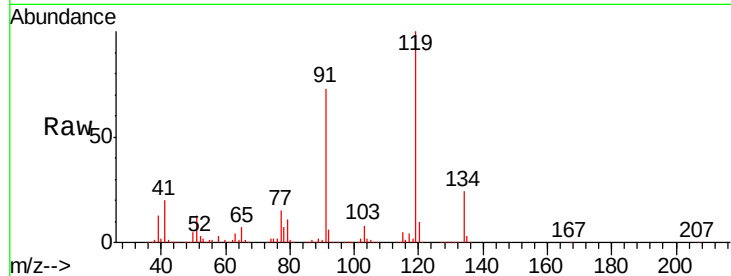
#83
 tert-Butylbenzene
 Concen: 49.34 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	71.0	33.8	101.3
134	26.1	11.9	35.9

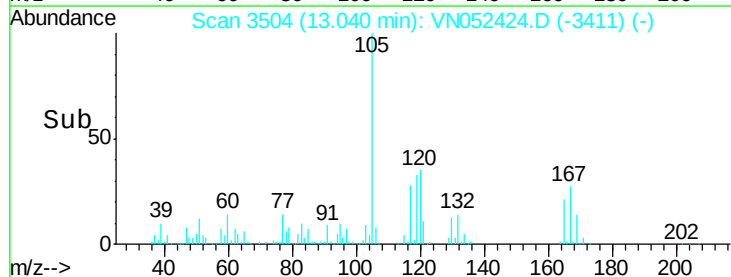
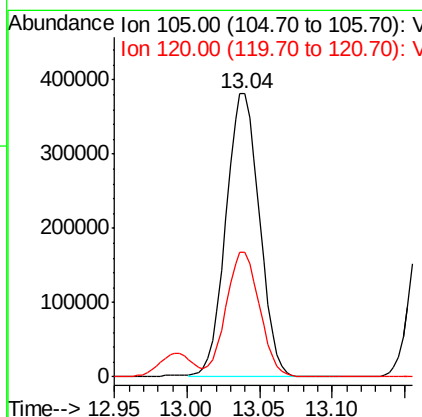
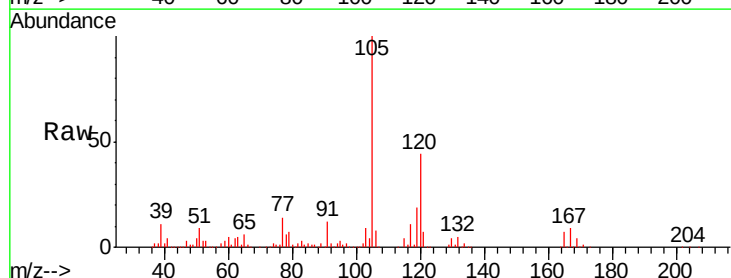
Manual Integrations
 APPROVED

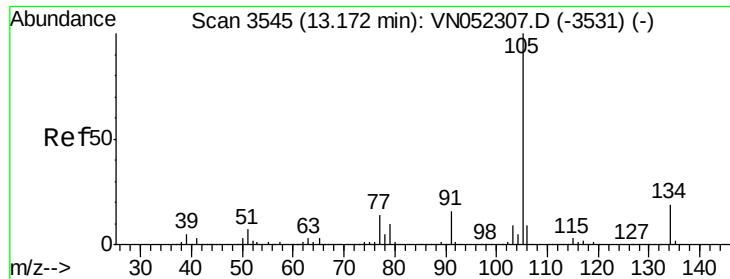
MMDadoda
 11/21/2018 5:12:55 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.34 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.5	67.5





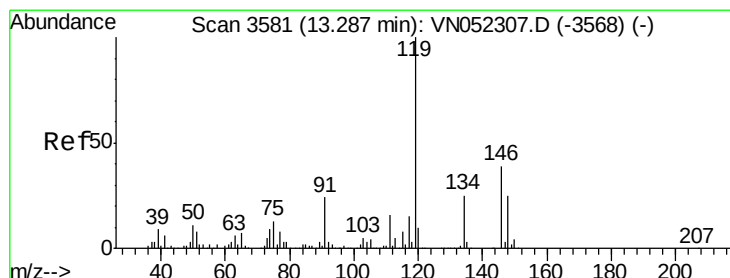
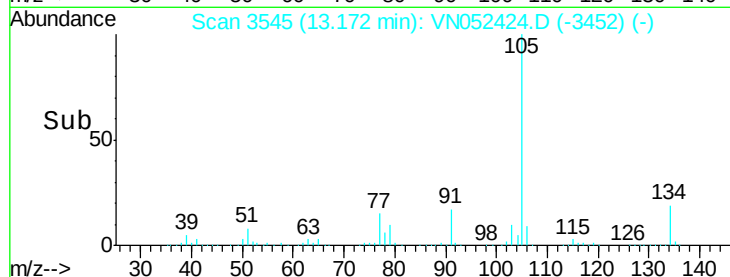
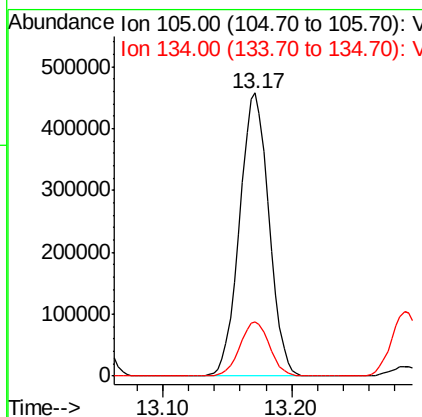
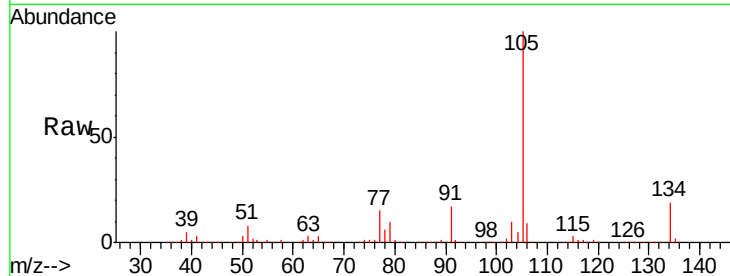
#85
 sec-Butylbenzene
 Concen: 50.77 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 724280
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.5 28.5

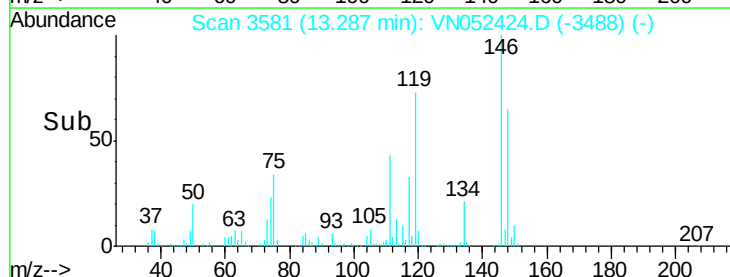
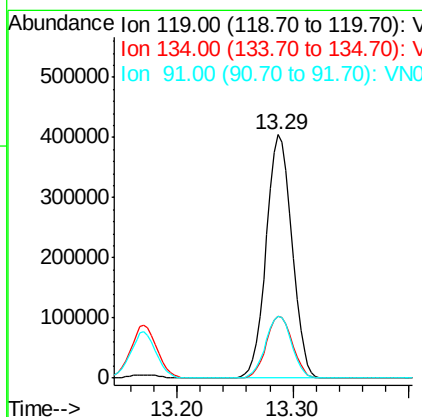
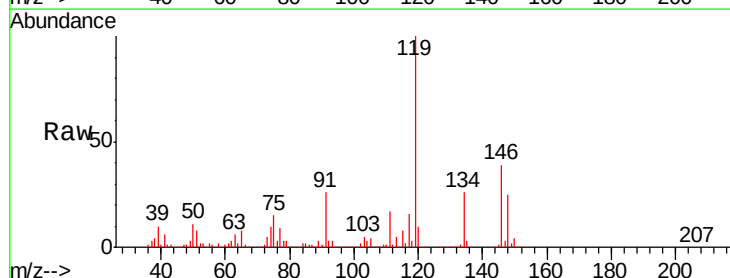
Manual Integrations
 APPROVED

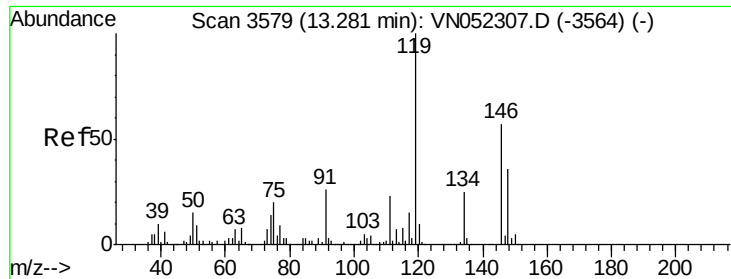
MMDadoda
 11/21/2018 5:12:55 PM



#86
 p-Isopropyltoluene
 Concen: 51.37 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion:119 Resp: 620792
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 25.8 12.4 37.0





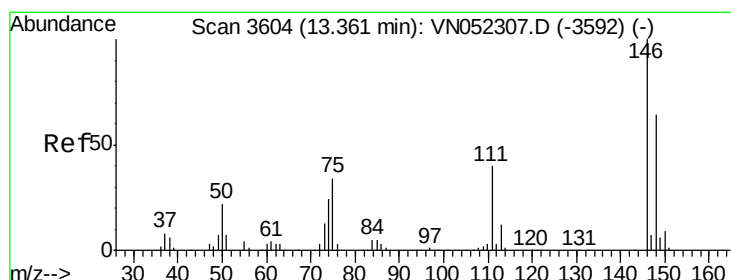
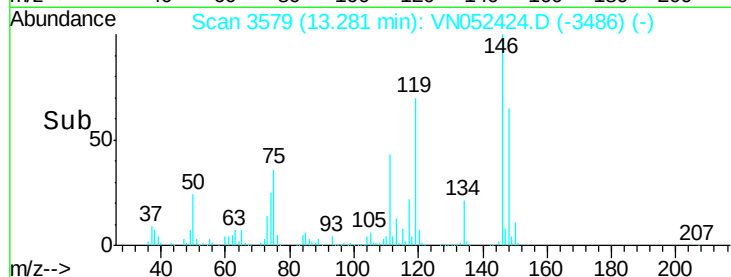
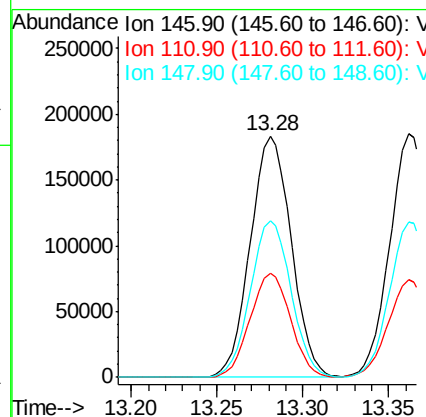
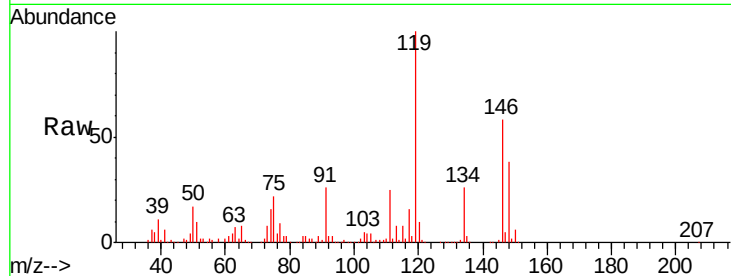
#87
 1,3-Dichlorobenzene
 Concen: 49.31 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	303965		
111	42.6	20.3	61.0	
148	64.4	31.8	95.4	

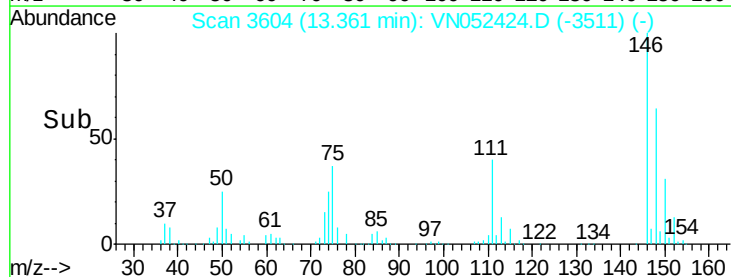
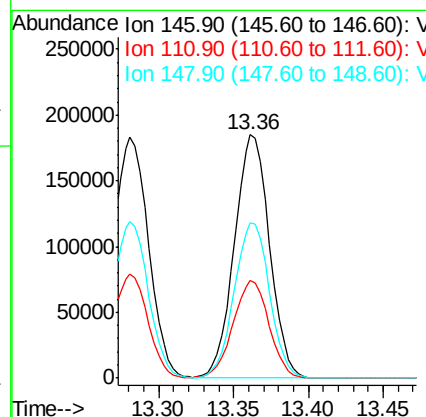
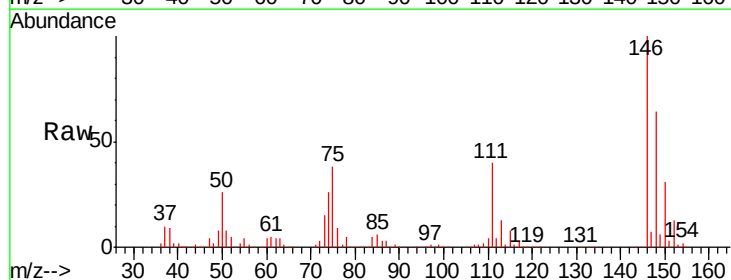
Manual Integrations
 APPROVED

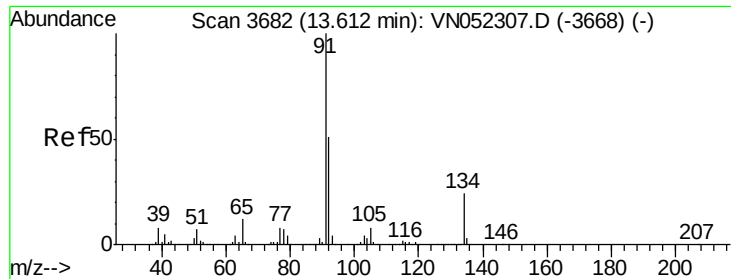
MMDadoda
 11/21/2018 5:12:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.42 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	302842		
111	41.0	20.6	61.8	
148	64.1	32.4	97.2	





#89

n-Butylbenzene

Concen: 52.89 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

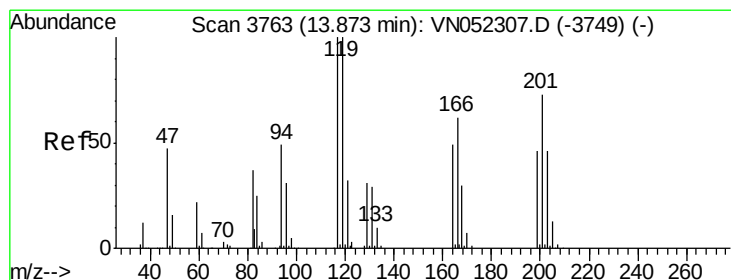
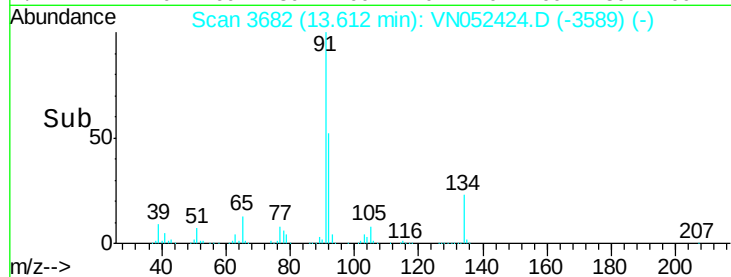
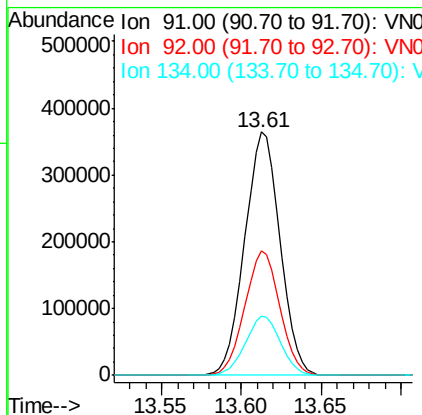
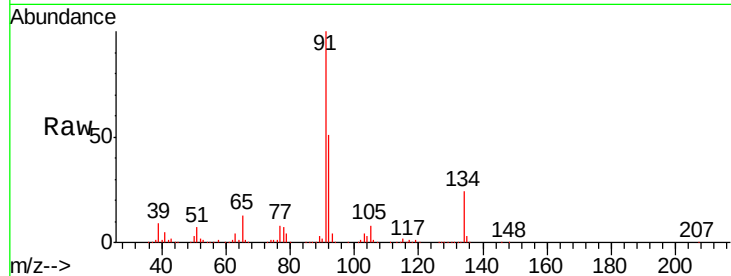
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	91	Resp:	549005
Ion Ratio	Lower	Upper	
91	100		
92	50.7	25.4	76.2
134	24.4	12.2	36.4

Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:55 PM



#90

Hexachloroethane

Concen: 50.26 ug/l

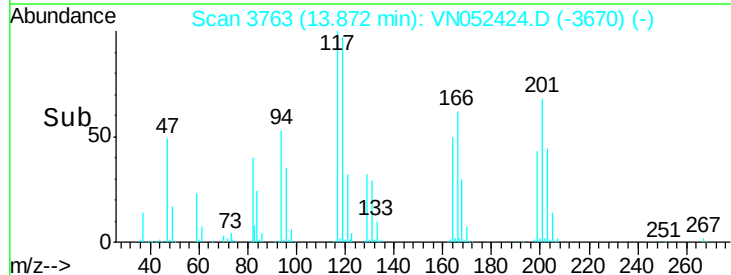
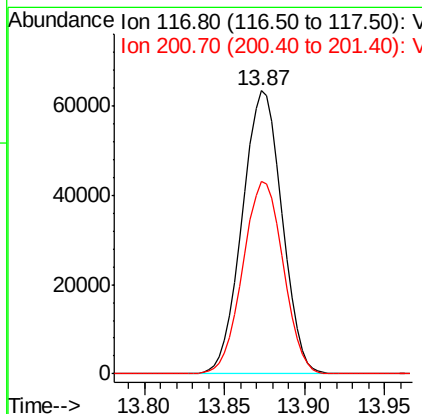
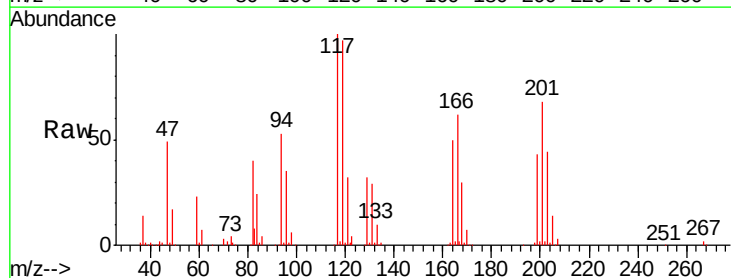
RT: 13.87 min Scan# 3763

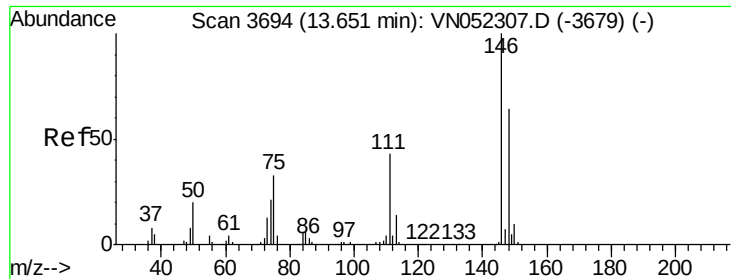
Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion:	117	Resp:	107587
Ion Ratio	Lower	Upper	
117	100		
201	68.9	35.3	105.9





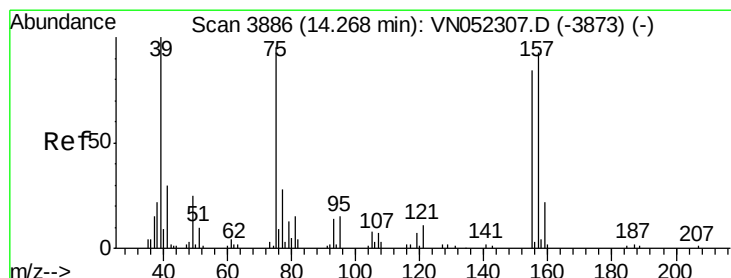
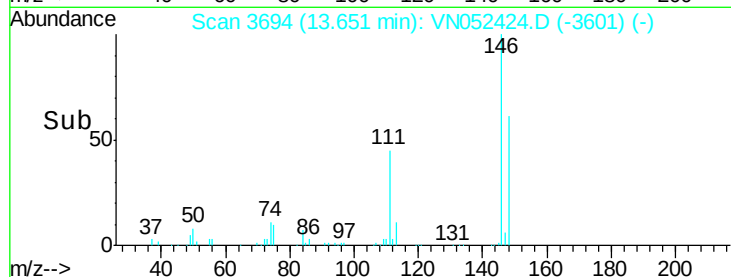
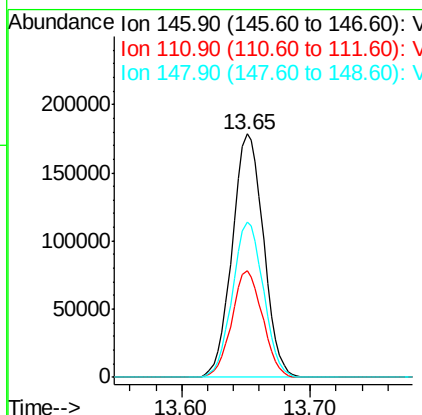
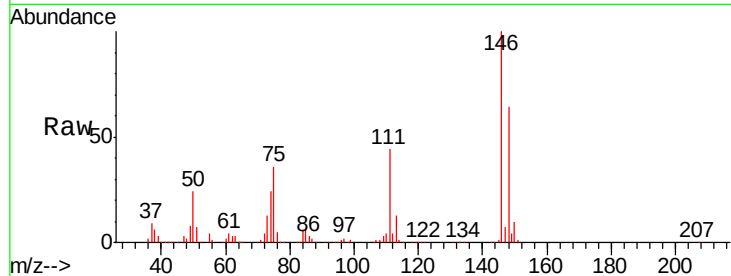
#91
 1,2-Dichlorobenzene
 Concen: 50.23 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	299997		
111	43.3	21.3	63.9	
148	63.5	31.6	94.8	

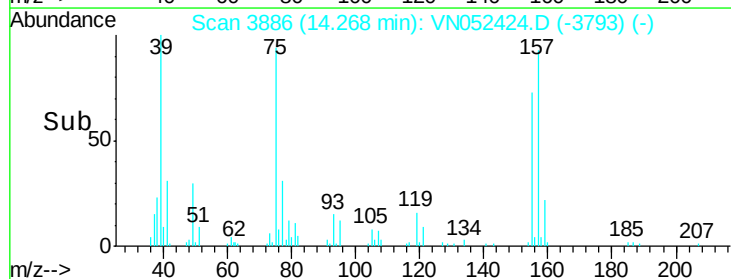
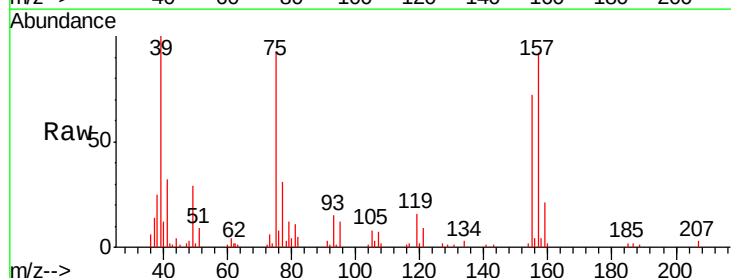
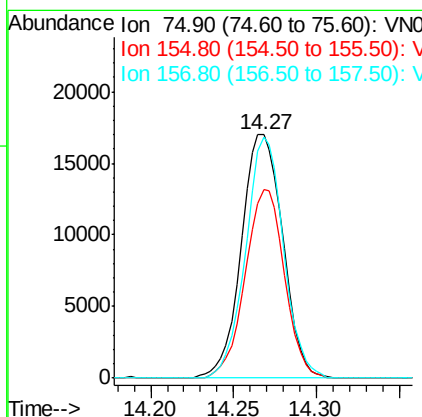
Manual Integrations
 APPROVED

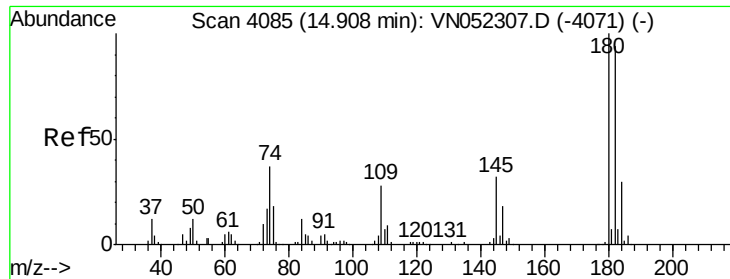
MMDadoda
 11/21/2018 5:12:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.68 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29609		
155	73.3	42.4	127.3	
157	90.6	49.6	149.0	





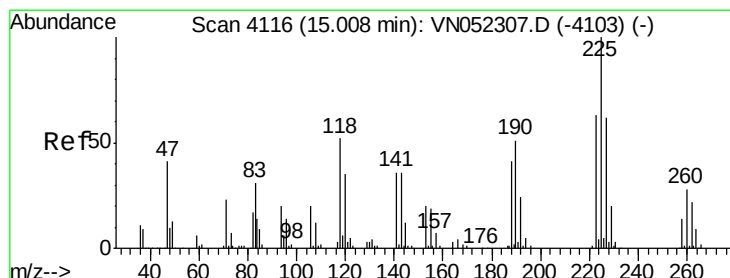
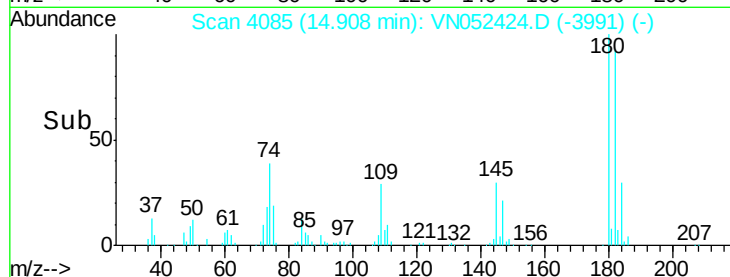
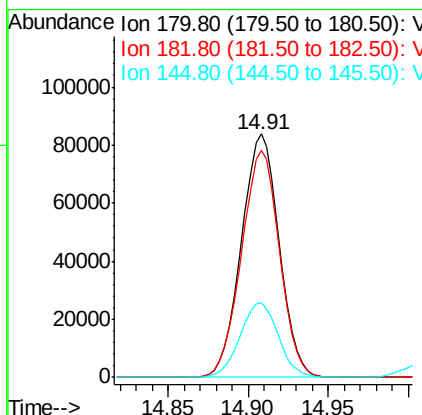
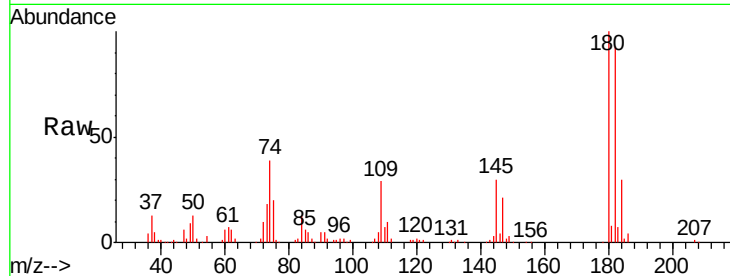
#93
 1,2,4-Trichlorobenzene
 Concen: 48.55 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.9
145	31.0	15.5	46.5

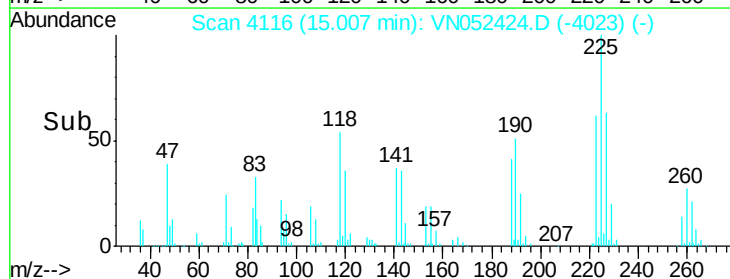
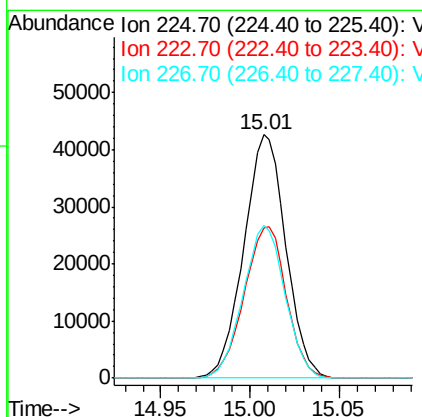
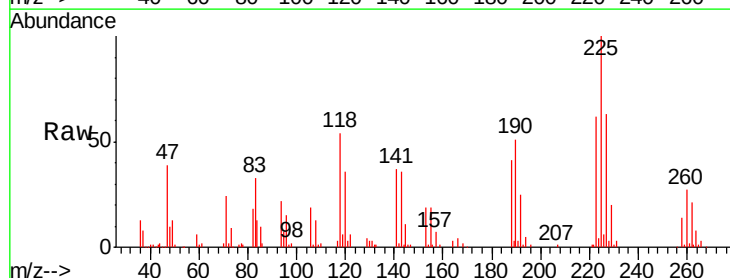
Manual Integrations
 APPROVED

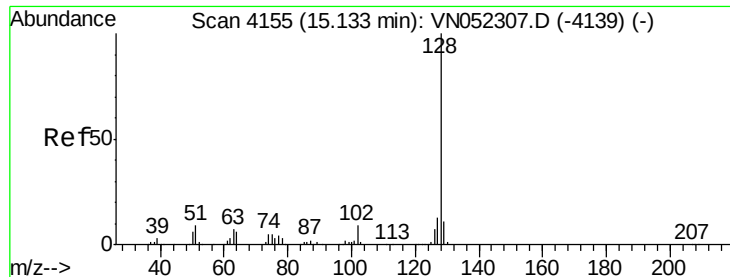
MMDadoda
 11/21/2018 5:12:55 PM



#94
 Hexachlorobutadiene
 Concen: 51.18 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052424.D
 Acq: 20 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.9	95.5
227	62.5	31.6	95.0





#95

Naphthalene

Concen: 47.67 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Instrument :

MSVOA_N

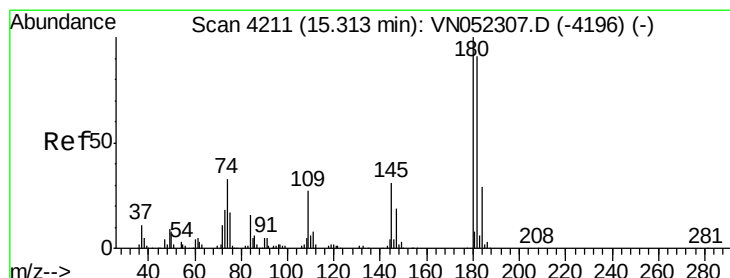
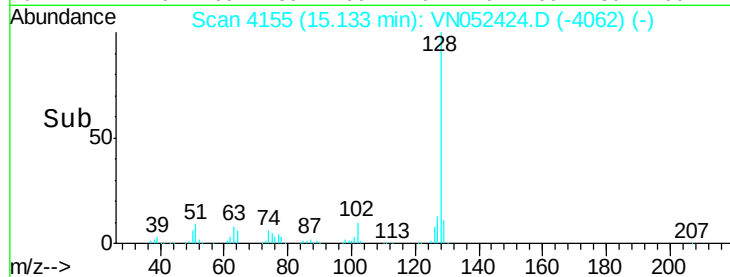
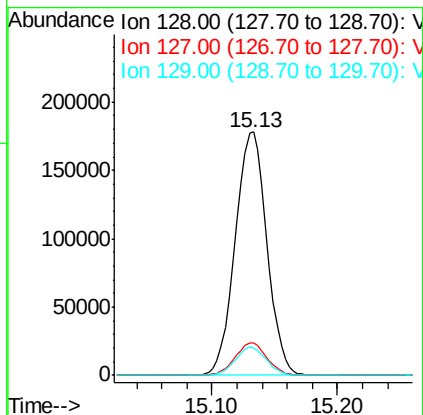
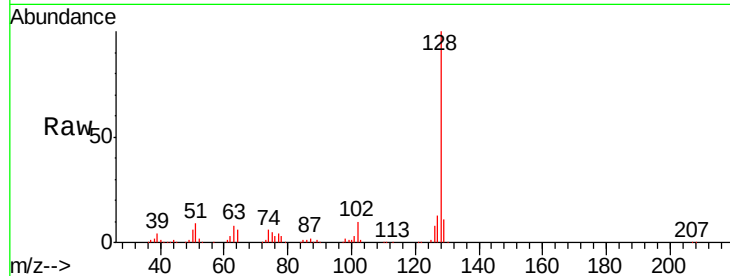
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	312232
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/21/2018 5:12:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.56 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052424.D

Acq: 20 Nov 2018 22:38

Tgt Ion:	180	Resp:	123823
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.5	139.3
145	33.0	16.4	49.2

