

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058024.D
 Acq On : 13 Sep 2019 18:17
 Operator : JC/SP
 Sample : VN0914WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:44 PM

Quant Time: Sep 14 04:35:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	317545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	521922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	482955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	278725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	337390	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.57	113	240581	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.09	98	958692	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.41	95	331568	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	90880	20.694	ug/l	98
3) Chloromethane	2.04	50	78208	17.473	ug/l	99
4) Vinyl Chloride	2.17	62	81572	17.220	ug/l	99
5) Bromomethane	2.55	94	45586	16.492	ug/l	90
6) Chloroethane	2.69	64	53552	17.741	ug/l	97
7) Trichlorofluoromethane	3.00	101	106357	17.841	ug/l	97
8) Diethyl Ether	3.39	74	46944	18.880	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	78898	20.980	ug/l	99
10) Methyl Iodide	3.93	142	71013	16.969	ug/l	98
11) Tert butyl alcohol	4.75	59	68837	88.430	ug/l	98
12) 1,1-Dichloroethene	3.72	96	64401	19.046	ug/l	92
13) Acrolein	3.58	56	9345	14.150	ug/l	89
14) Allyl chloride	4.30	41	120177	18.161	ug/l	97
15) Acrylonitrile	4.96	53	221971	103.744	ug/l	99
16) Acetone	3.80	43	187710	89.029	ug/l	95
17) Carbon Disulfide	4.03	76	84984	16.256	ug/l	99
18) Methyl Acetate	4.30	43	125295	22.288	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	294841	20.953	ug/l	98
20) Methylene Chloride	4.53	84	88648	21.381	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	68815	18.827	ug/l	97
22) Diisopropyl ether	5.93	45	323333	20.836	ug/l	95
23) Vinyl Acetate	5.87	43	1149213	104.497	ug/l	100
24) 1,1-Dichloroethane	5.83	63	174111	20.530	ug/l	98
25) 2-Butanone	6.81	43	299146	98.029	ug/l	97
26) 2,2-Dichloropropane	6.81	77	126018	18.776	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	98238	20.055	ug/l	97
28) Bromochloromethane	7.18	49	93642	22.101	ug/l	97
29) Tetrahydrofuran	7.19	42	187353	99.634	ug/l	100
30) Chloroform	7.36	83	183104	20.649	ug/l	99
31) Cyclohexane	7.64	56	122826	19.906	ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	140513	19.979	ug/l	98
36) 1,1-Dichloropropene	7.78	75	110207	18.207	ug/l	98
37) Ethyl Acetate	6.91	43	121491	19.427	ug/l	99
38) Carbon Tetrachloride	7.76	117	108928	19.711	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058024.D
 Acq On : 13 Sep 2019 18:17
 Operator : JC/SP
 Sample : VN0914WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0914WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:44 PM

Quant Time: Sep 14 04:35:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	115534	18.157	ug/l	98
40) Benzene	8.03	78	359484	19.727	ug/l	100
41) Methacrylonitrile	7.16	41	57011m	20.083	ug/l	
42) 1,2-Dichloroethane	8.11	62	149891	20.566	ug/l	100
43) Isopropyl Acetate	8.15	43	219144	20.837	ug/l #	90
44) Trichloroethene	8.82	130	88160	19.724	ug/l	95
45) 1,2-Dichloropropane	9.11	63	108997	20.555	ug/l	99
46) Dibromomethane	9.20	93	66533	20.764	ug/l	99
47) Bromodichloromethane	9.40	83	131968	20.624	ug/l	97
48) Methyl methacrylate	9.19	41	102886	19.286	ug/l	98
49) 1,4-Dioxane	9.19	88	30622	339.428	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	652707	104.877	ug/l	99
52) Toluene	10.15	92	224739	19.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	130344	19.344	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	144718	19.453	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	100746	20.722	ug/l	99
56) Ethyl methacrylate	10.43	69	143235	19.564	ug/l	99
57) 1,3-Dichloropropane	10.71	76	171488	20.467	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	315154	91.394	ug/l	100
59) 2-Hexanone	10.75	43	457795	98.139	ug/l	99
60) Dibromochloromethane	10.90	129	86333	19.123	ug/l	100
61) 1,2-Dibromoethane	11.00	107	92110	20.040	ug/l	97
64) Tetrachloroethene	10.63	164	71564	20.069	ug/l	98
65) Chlorobenzene	11.43	112	251653	19.910	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88763	20.239	ug/l	99
67) Ethyl Benzene	11.51	91	459820	20.759	ug/l	99
68) m/p-Xylenes	11.62	106	328857	40.530	ug/l	99
69) o-Xylene	11.95	106	165355	20.499	ug/l	99
70) Styrene	11.97	104	281851	20.303	ug/l	98
71) Bromoform	12.13	173	49231	18.005	ug/l #	97
73) Isopropylbenzene	12.25	105	456640	21.113	ug/l	99
74) N-amyl acetate	12.07	43	180736	19.201	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	148116	20.339	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	131883m	20.916	ug/l	
77) Bromobenzene	12.53	156	106088	19.674	ug/l	98
78) n-propylbenzene	12.60	91	529821	21.333	ug/l	100
79) 2-Chlorotoluene	12.68	91	316623	20.171	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	386927	21.173	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	29476	16.451	ug/l	88
82) 4-Chlorotoluene	12.78	91	324477	20.129	ug/l	100
83) tert-Butylbenzene	13.00	119	337294	20.764	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	389368	20.964	ug/l	99
85) sec-Butylbenzene	13.18	105	456183	21.188	ug/l	99
86) p-Isopropyltoluene	13.29	119	396340	20.892	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	199463	20.152	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	192303	19.141	ug/l	97
89) n-Butylbenzene	13.62	91	364576	20.350	ug/l	99
90) Hexachloroethane	13.88	117	55188	19.561	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	201463	20.374	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22429	18.650	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058024.D
 Acq On : 13 Sep 2019 18:17
 Operator : JC/SP
 Sample : VN0914WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

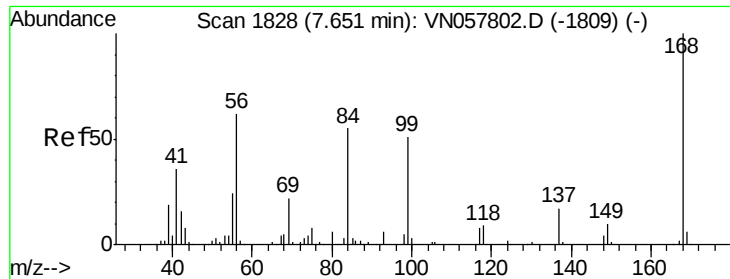
Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:44 PM

Quant Time: Sep 14 04:35:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	116441	18.016	ug/l	98
94) Hexachlorobutadiene	15.02	225	53758	19.622	ug/l	98
95) Naphthalene	15.13	128	320930	18.685	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	110913	20.263	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion:168 Resp: 317545

Ion Ratio Lower Upper

168 100

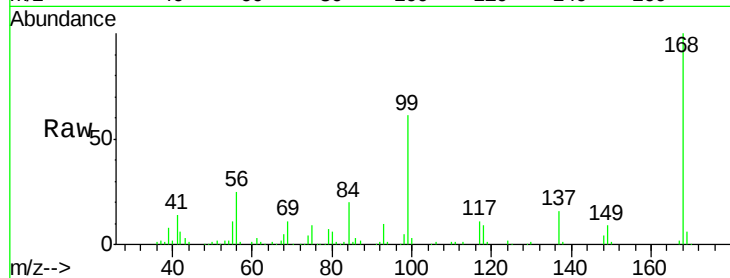
99 60.3 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/16/2019 2:11:44 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

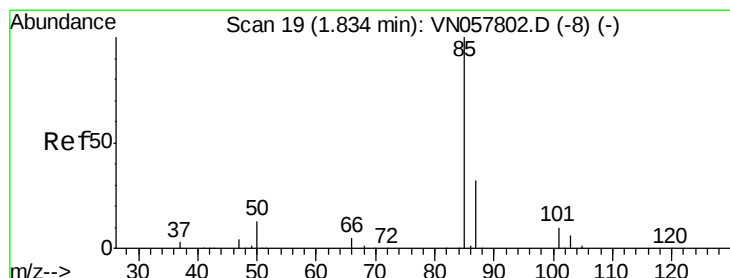
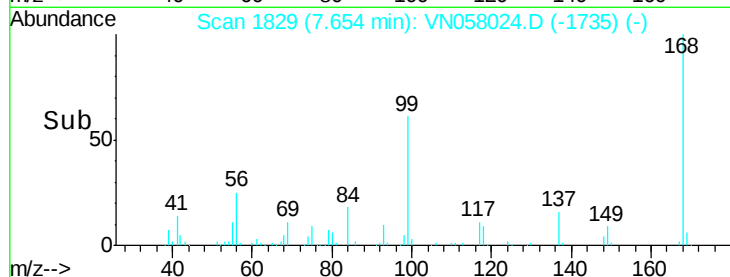
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.694 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058024.D

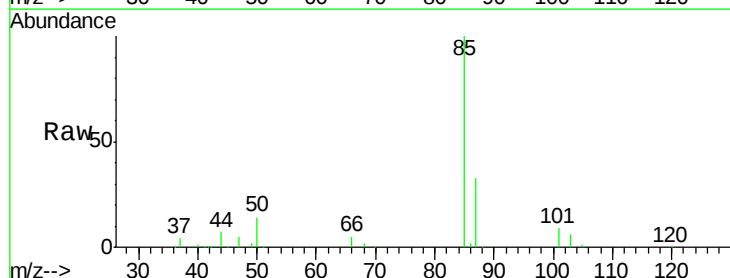
Acq: 13 Sep 2019 18:17

Tgt Ion: 85 Resp: 90880

Ion Ratio Lower Upper

85 100

87 33.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

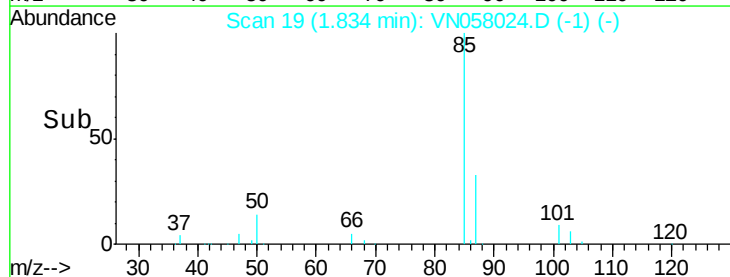
60000

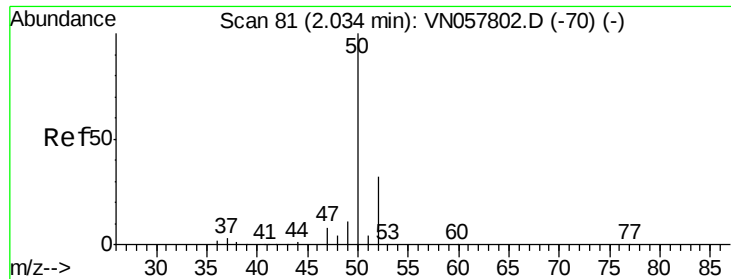
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.473 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 50 Resp: 78208

Ion Ratio Lower Upper

50 100

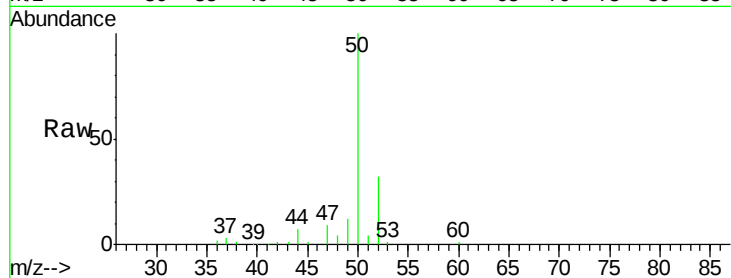
52 32.4 25.5 38.3

Manual Integrations

APPROVED

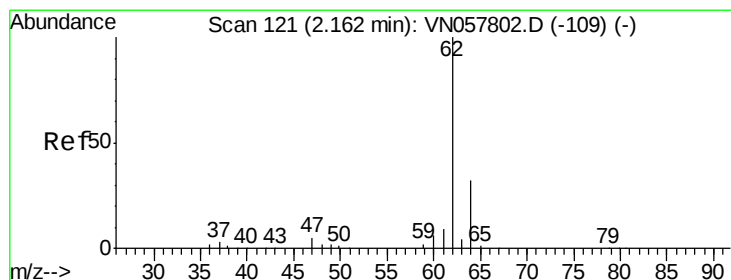
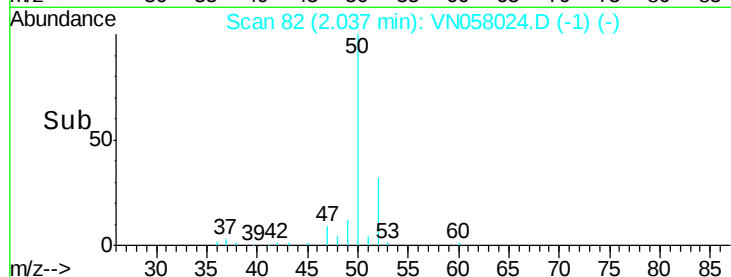
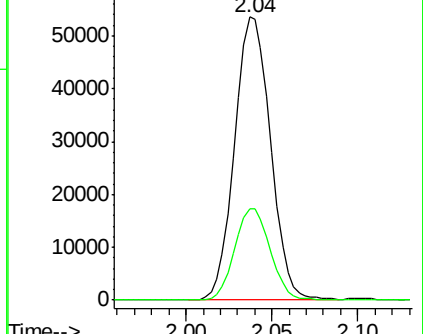
MMDadoda

9/16/2019 2:11:44 PM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.220 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058024.D

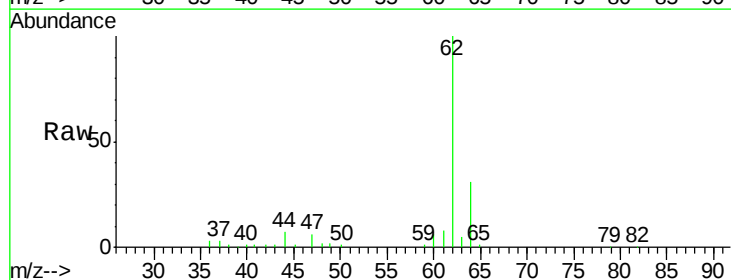
Acq: 13 Sep 2019 18:17

Tgt Ion: 62 Resp: 81572

Ion Ratio Lower Upper

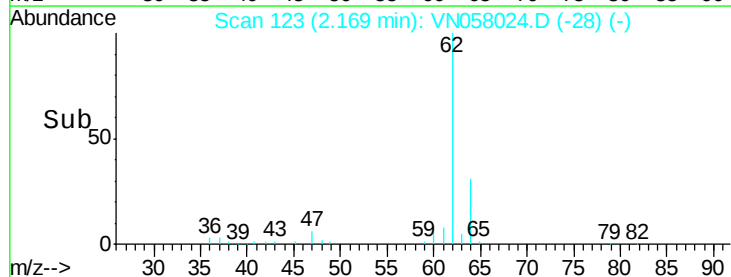
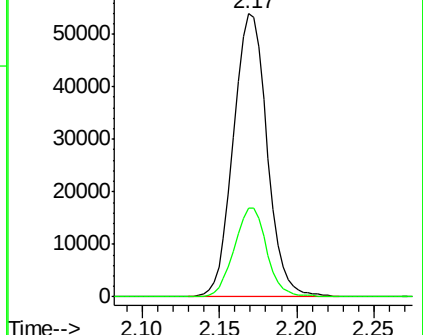
62 100

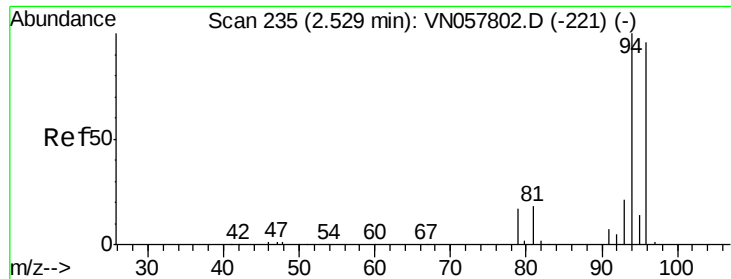
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.492 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 94 Resp: 45586

Ion Ratio Lower Upper

94 100

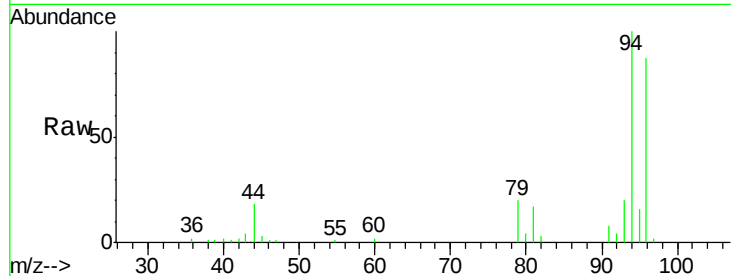
96 86.8 77.0 115.4

Manual Integrations

APPROVED

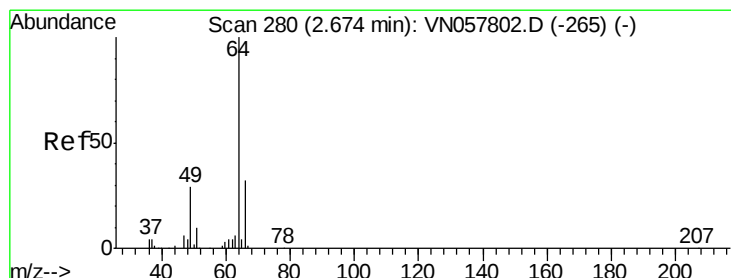
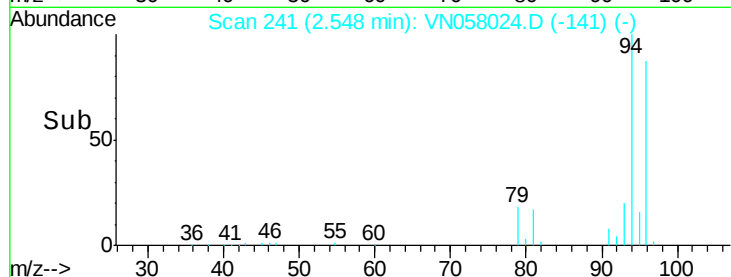
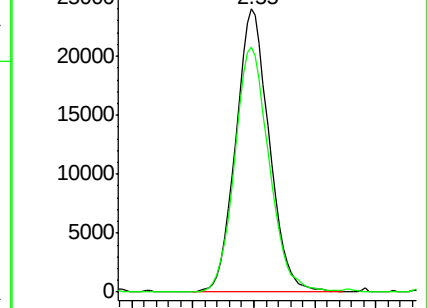
MMDadoda

9/16/2019 2:11:44 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.741 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.02 min

Lab File: VN058024.D

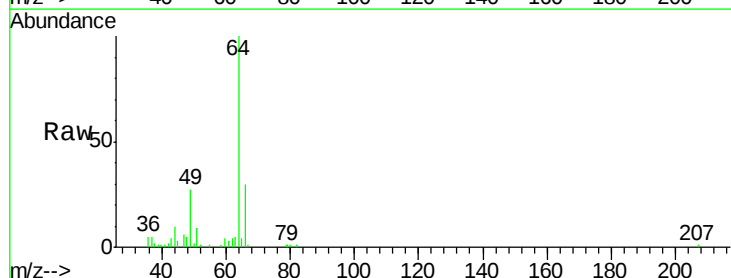
Acq: 13 Sep 2019 18:17

Tgt Ion: 64 Resp: 53552

Ion Ratio Lower Upper

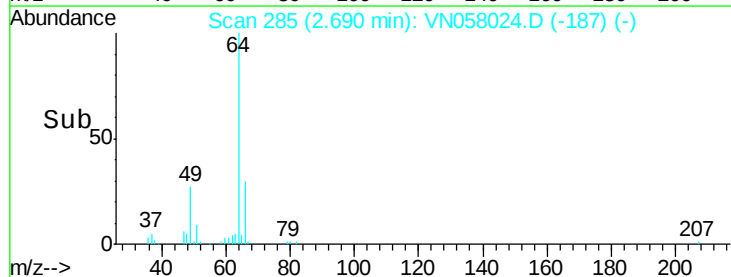
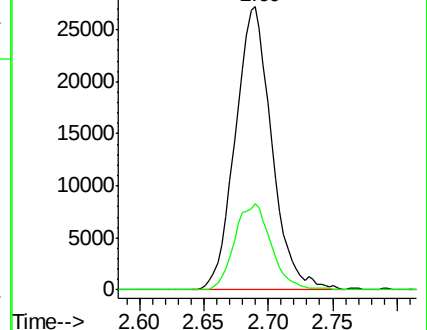
64 100

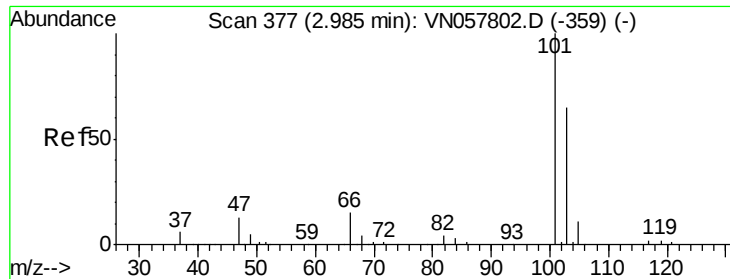
66 30.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

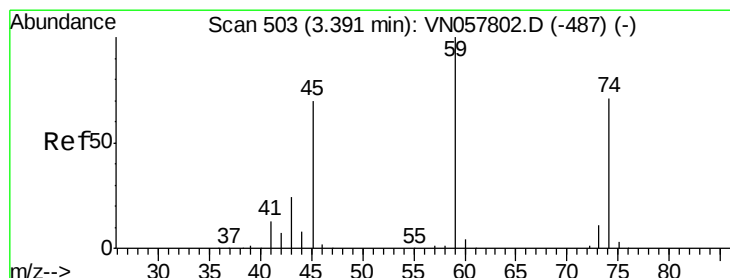
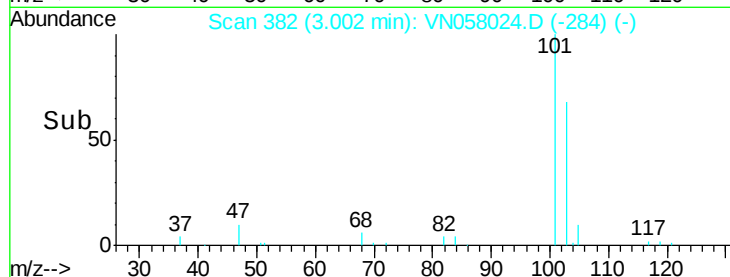
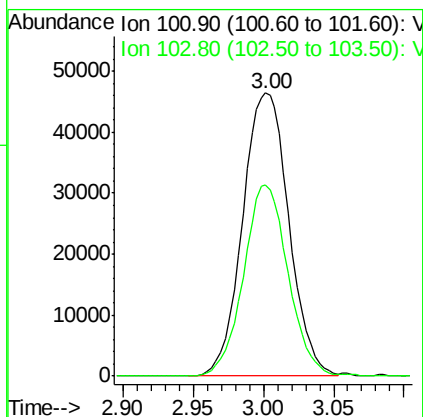
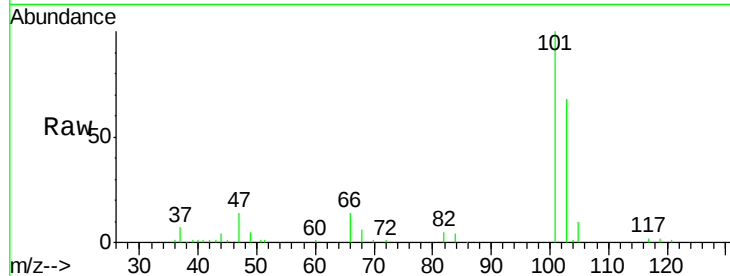
Trichlorofluoromethane
 Concen: 17.841 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.02 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0914WBS03

Tot Ion:101 Resp: 106357
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.9 77.9

Manual Integrations
 APPROVED

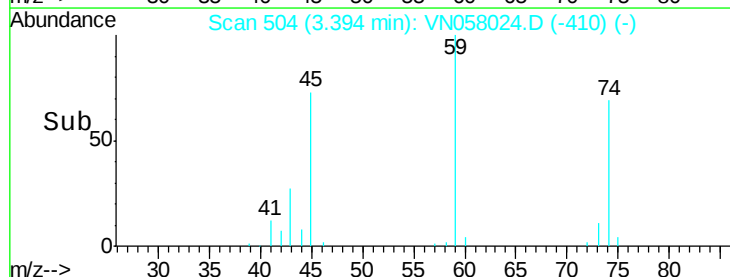
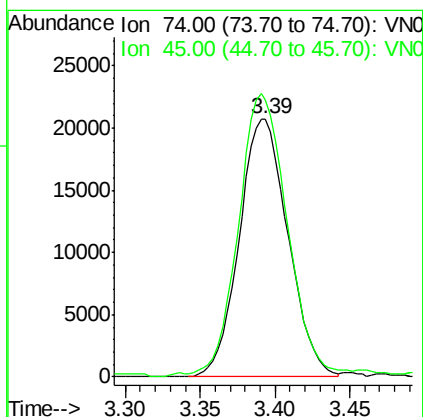
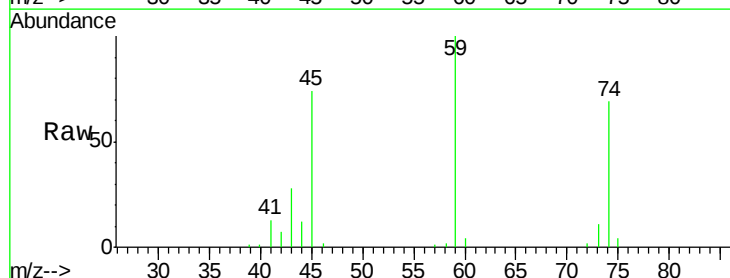
MMDadoda
 9/16/2019 2:11:44 PM

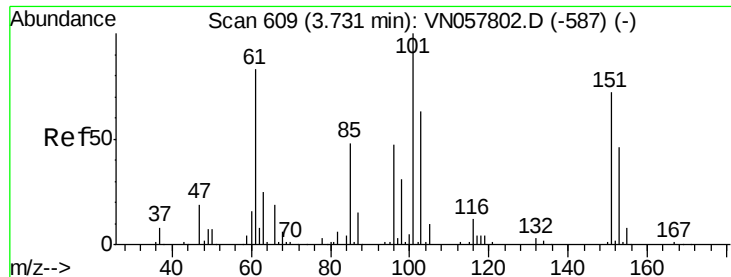


#8

Diethyl Ether
 Concen: 18.880 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 74 Resp: 46944
 Ion Ratio Lower Upper
 74 100
 45 107.3 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.980 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

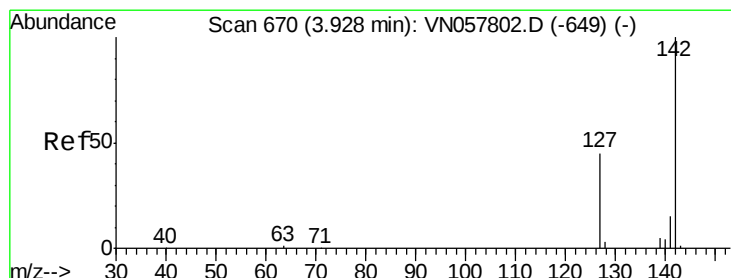
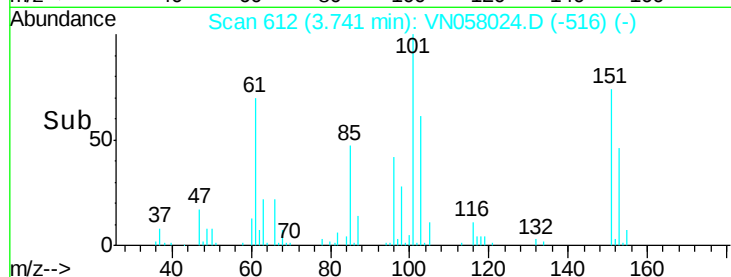
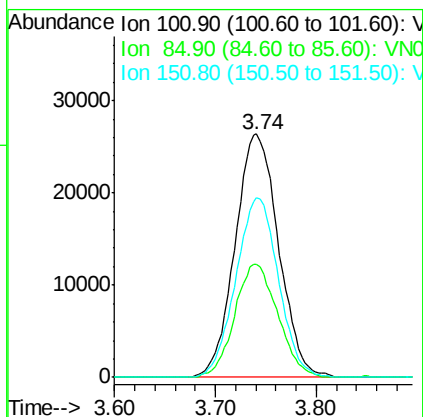
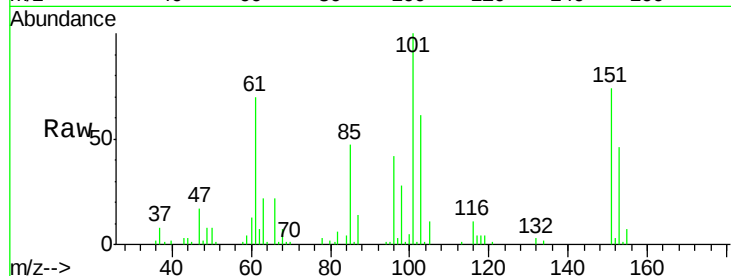
ClientSampleId :

VN0914WBS03

Tot Ion:	101	Resp:	78898
Ion Ratio	Lower	Upper	
101	100		
85	46.2	38.1	57.1
151	72.5	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM



#10

Methyl Iodide

Concen: 16.969 ug/l

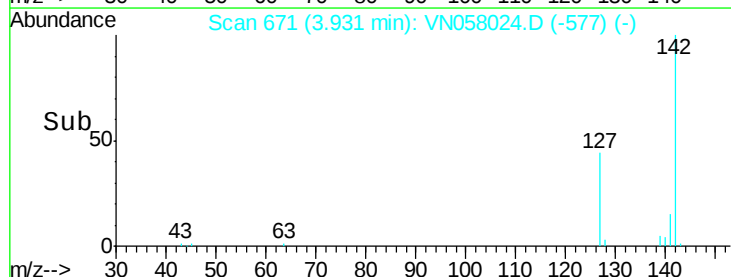
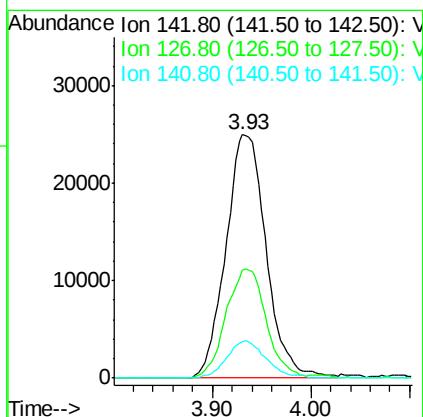
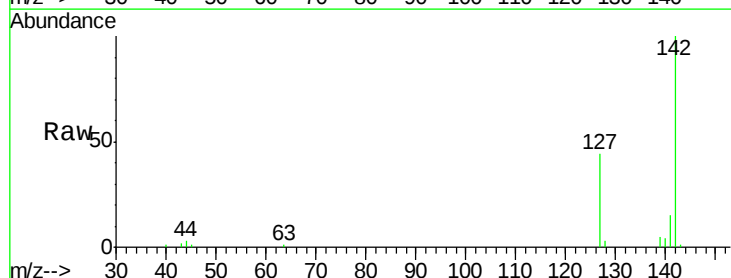
RT: 3.93 min Scan# 671

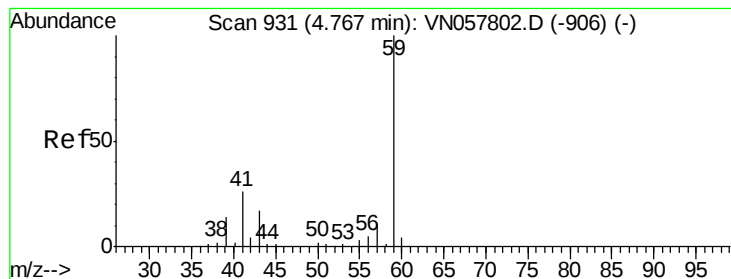
Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion:	142	Resp:	71013
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.7	55.1
141	15.1	11.4	17.0





#11

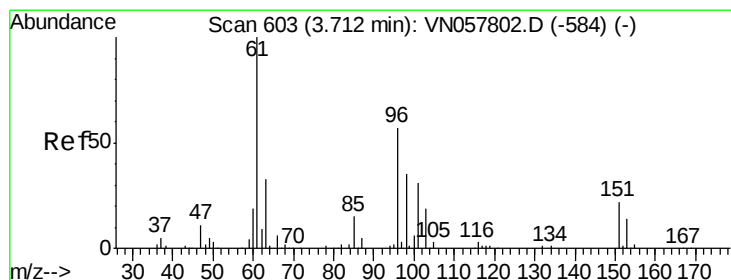
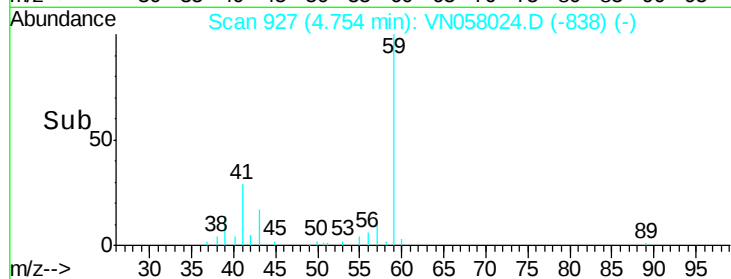
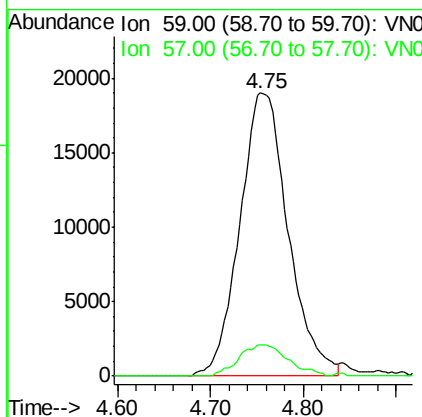
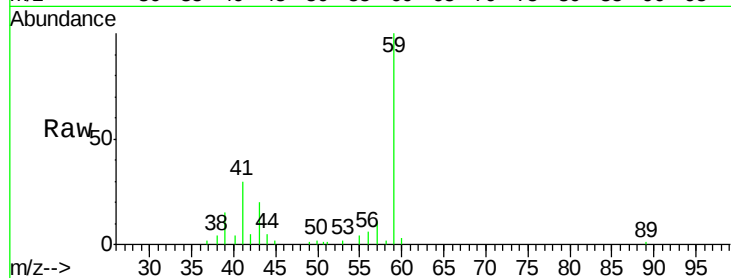
Tert butyl alcohol
 Concen: 88.430 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.4	12.6

Manual Integrations
 APPROVED

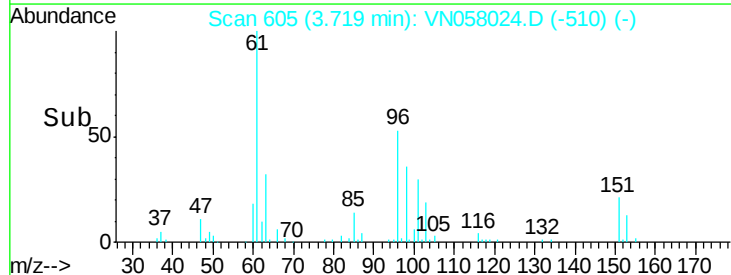
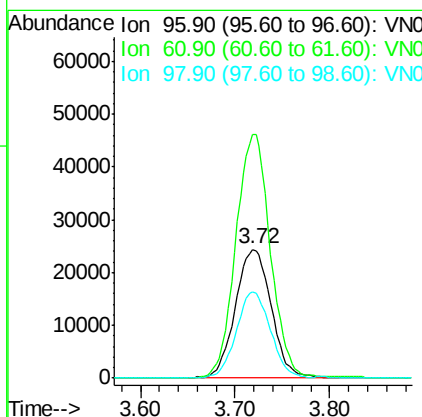
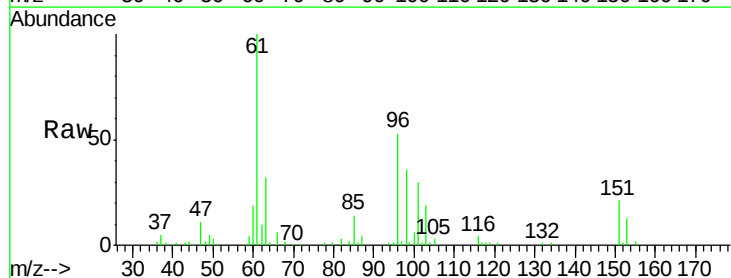
MMDadoda
 9/16/2019 2:11:44 PM

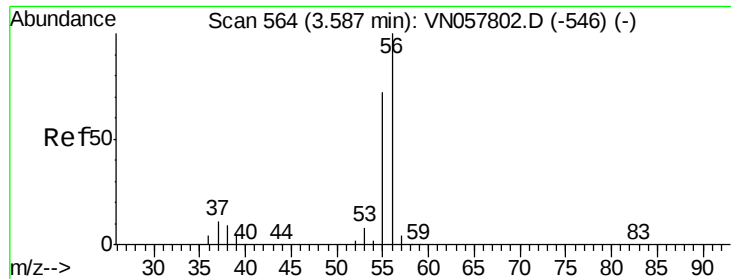


#12

1,1-Dichloroethene
 Concen: 19.046 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.3	141.2	211.8
98	67.3	49.9	74.9





#13

Acrolein

Concen: 14.150 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 56 Resp: 9345

Ion Ratio Lower Upper

56 100

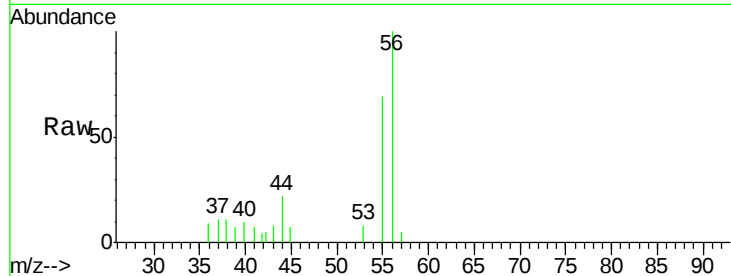
55 80.8 57.3 85.9

Manual Integrations

APPROVED

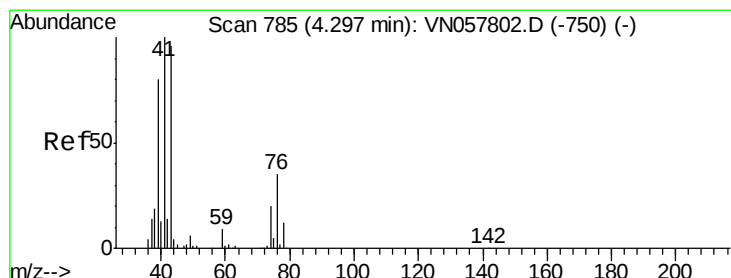
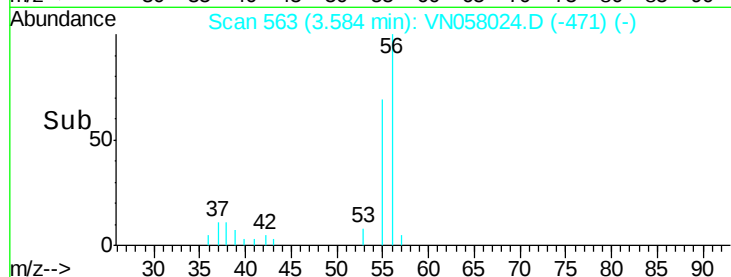
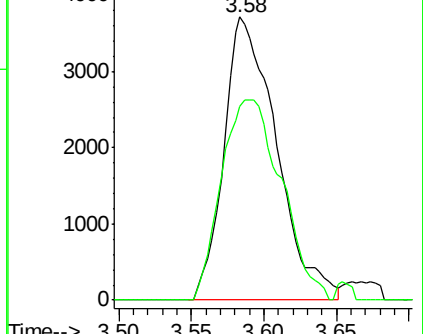
MMDadoda

9/16/2019 2:11:44 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.161 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

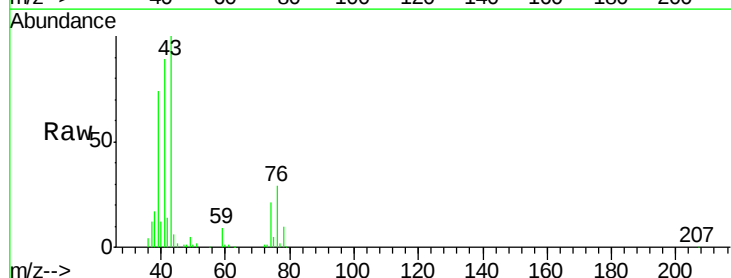
Tgt Ion: 41 Resp: 120177

Ion Ratio Lower Upper

41 100

39 77.7 59.4 89.2

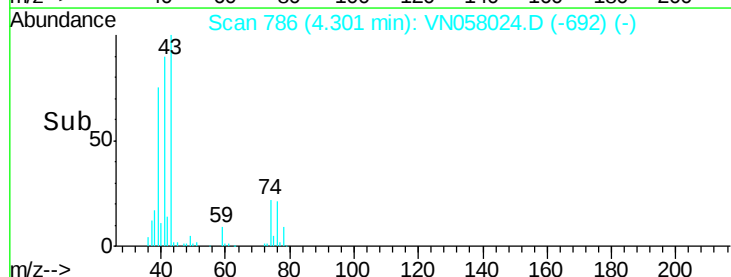
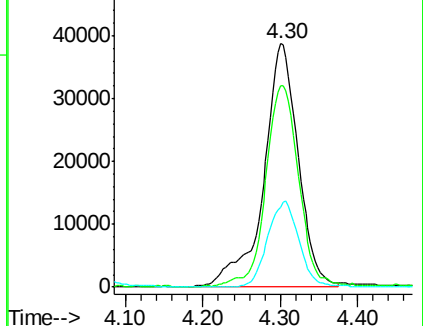
76 31.8 26.0 39.0



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: 103.744 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

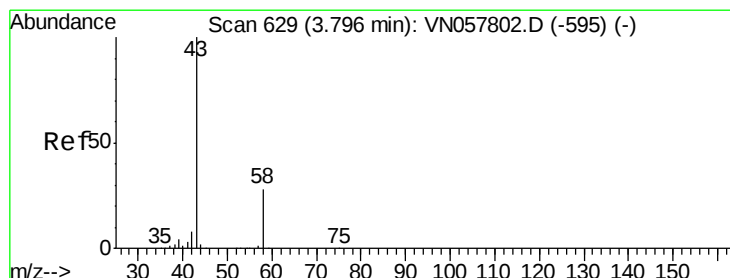
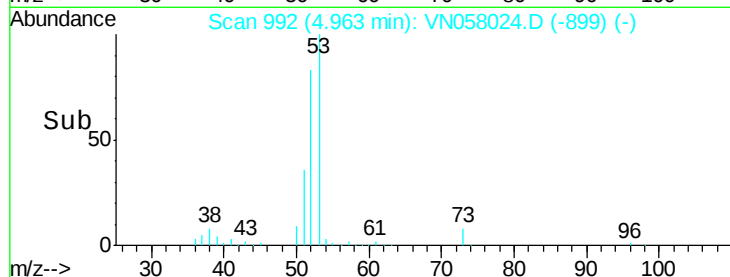
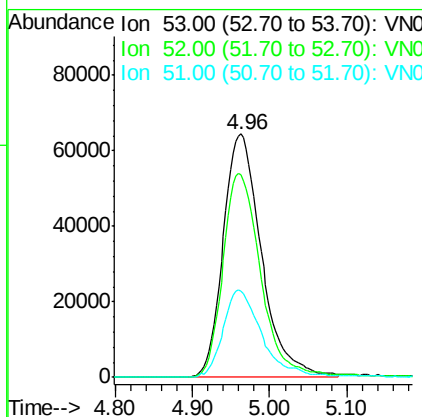
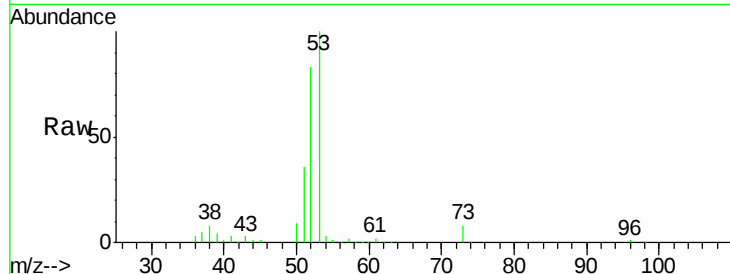
ClientSampleId :

VN0914WBS03

Tot Ion:	53	Resp:	221971
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	36.3	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM



#16

Acetone

Concen: 89.029 ug/l

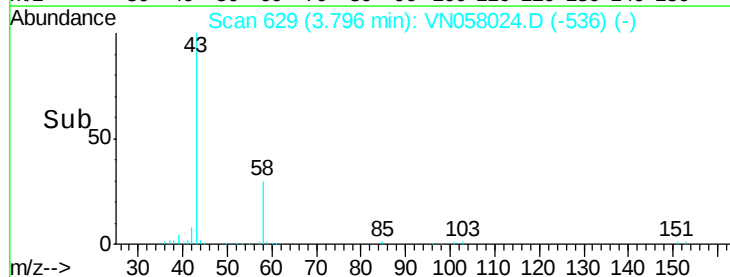
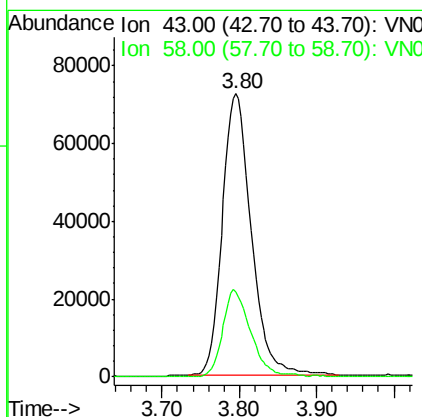
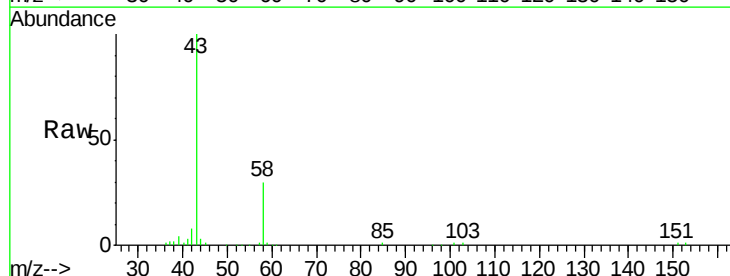
RT: 3.80 min Scan# 629

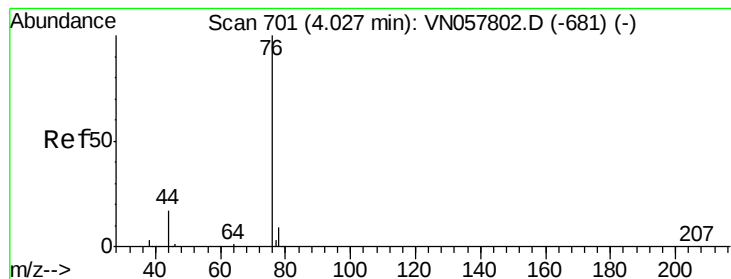
Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion:	43	Resp:	187710
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.2	33.2





#17

Carbon Disulfide

Concen: 16.256 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

Instrument :

MSVOA_N

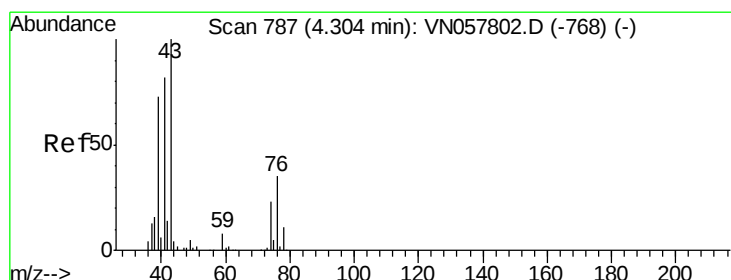
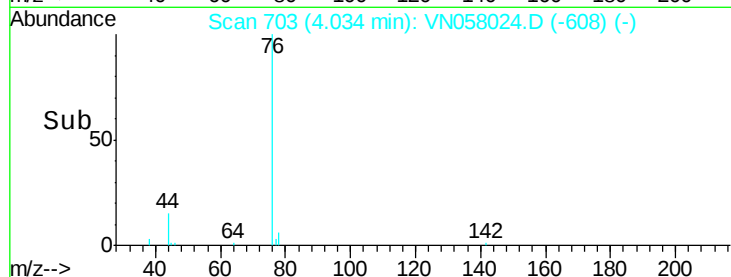
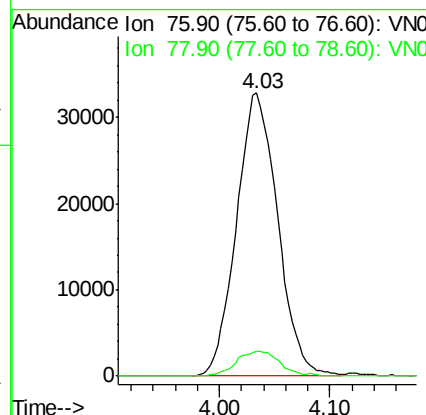
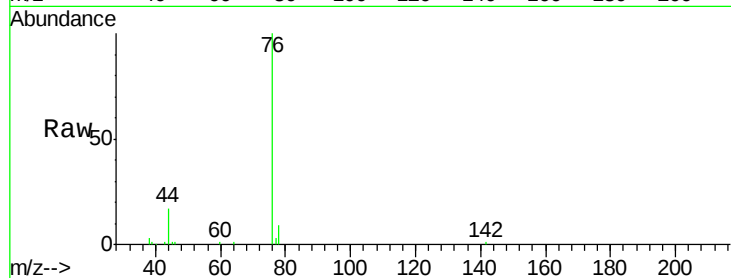
ClientSampleId :

VN0914WBS03

Manual Integrations
APPROVED

MMDadoda

9/16/2019 2:11:44 PM



#18

Methyl Acetate

Concen: 22.288 ug/l

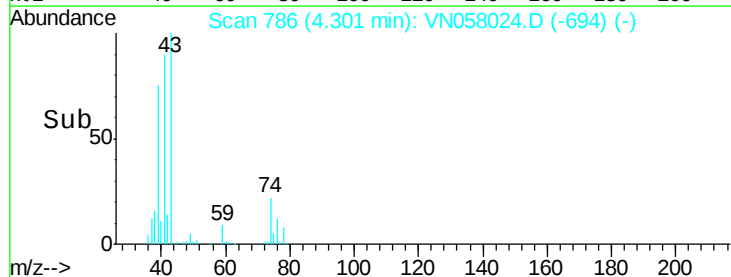
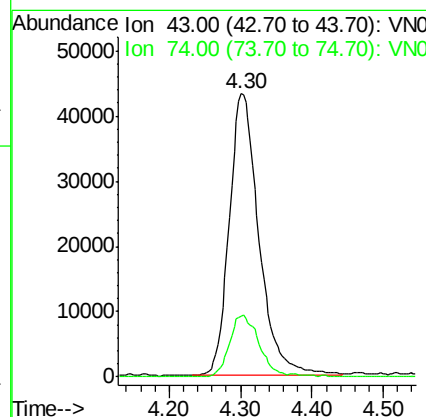
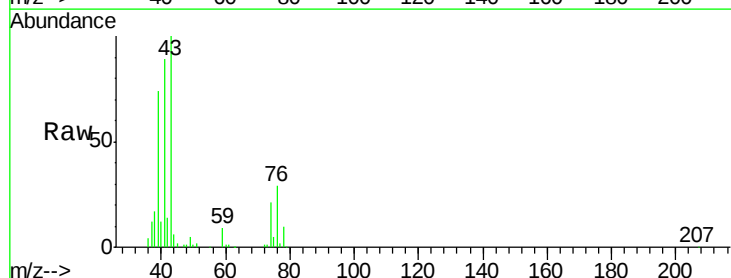
RT: 4.30 min Scan# 786

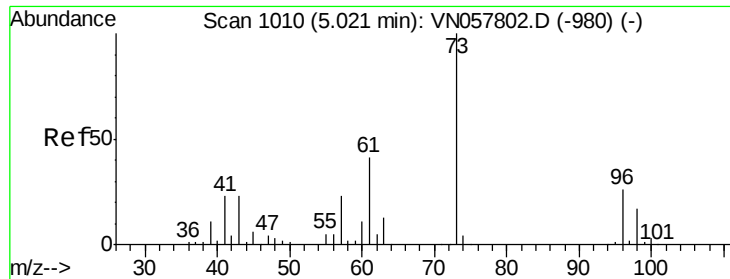
Delta R.T. -0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.9	26.9





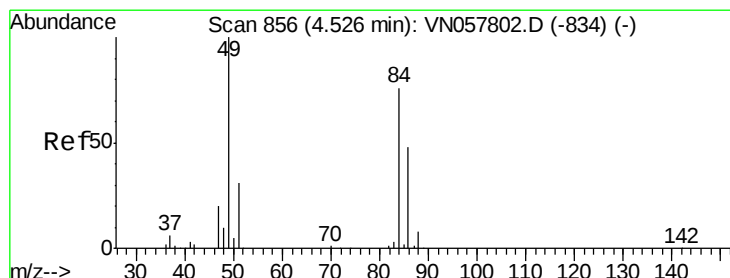
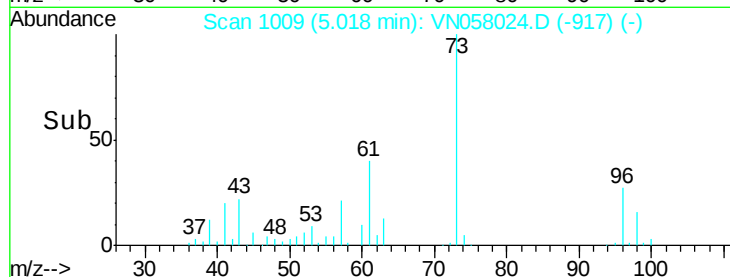
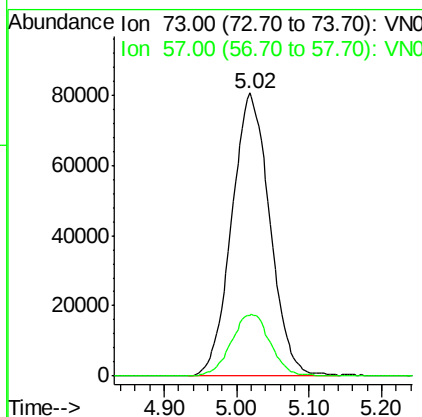
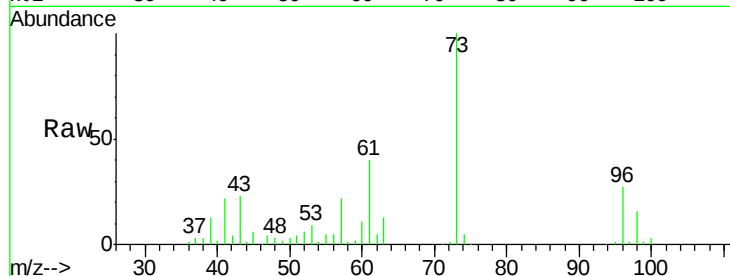
#19
Methvl tert-butvl Ether
Concen: 20.953 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion: 73 Resp: 294841
Ion Ratio Lower Upper
73 100
57 21.6 18.2 27.2

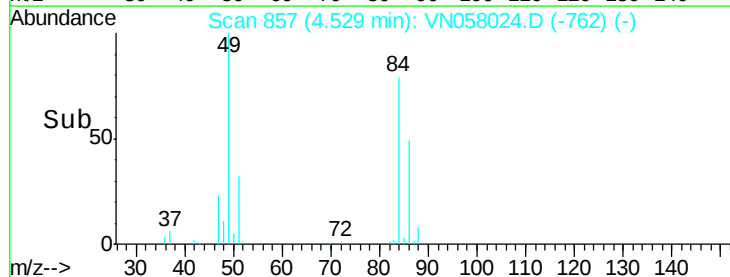
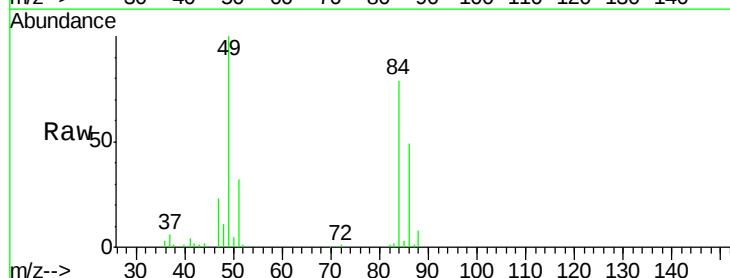
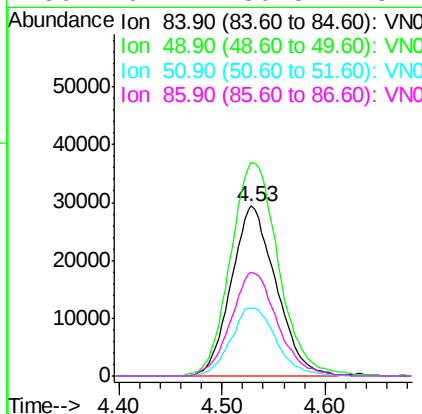
Manual Integrations
APPROVED

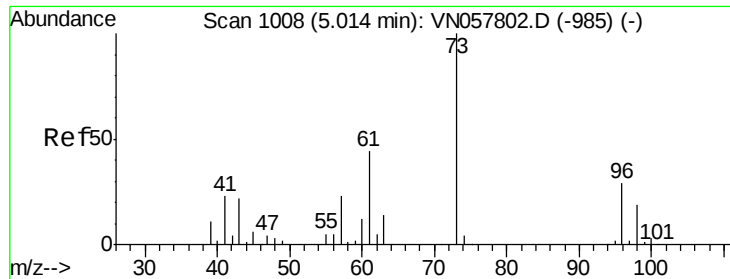
MMDadoda
9/16/2019 2:11:44 PM



#20
Methylene Chloride
Concen: 21.381 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 84 Resp: 88648
Ion Ratio Lower Upper
84 100
49 124.5 104.8 157.2
51 40.2 33.0 49.4
86 61.4 50.5 75.7





#21

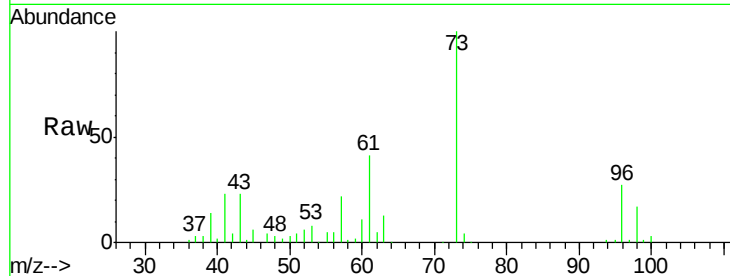
trans-1,2-Dichloroethene
Concen: 18.827 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	121.9	182.9
98	60.3	52.2	78.4

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM

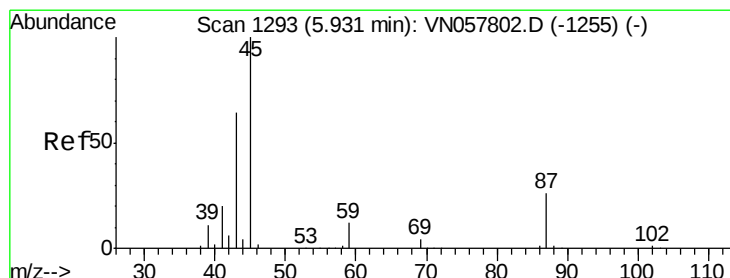
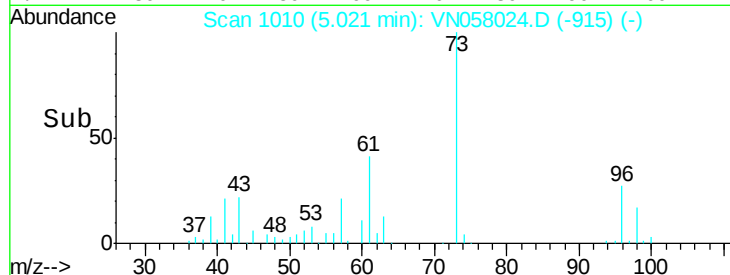
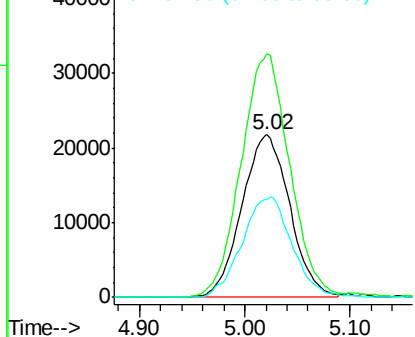


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether
Concen: 20.836 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.6	51.4	77.2
87	27.5	21.3	31.9
59	11.3	9.3	13.9

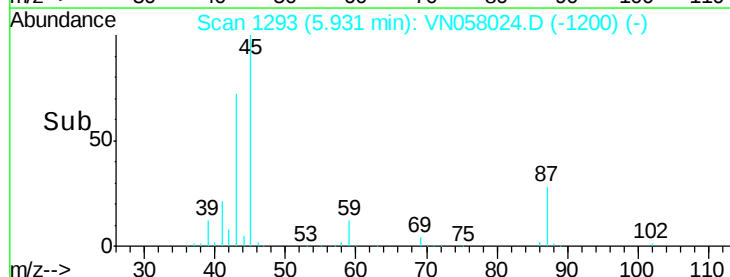
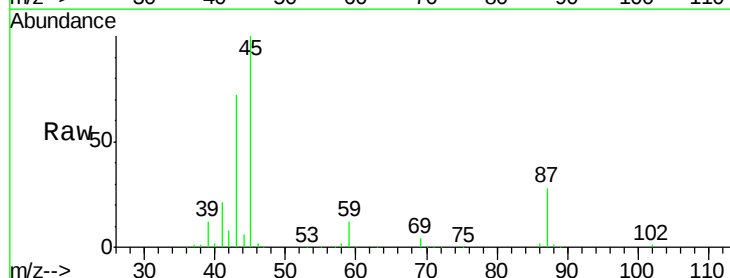
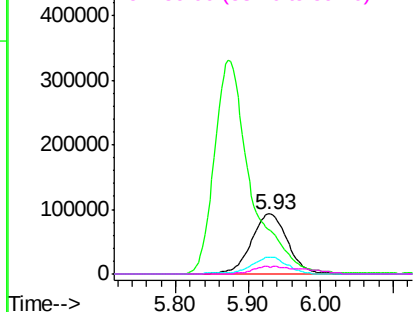
Abundance

Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 104.497 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 43 Resp: 1149213

Ion Ratio Lower Upper

43 100

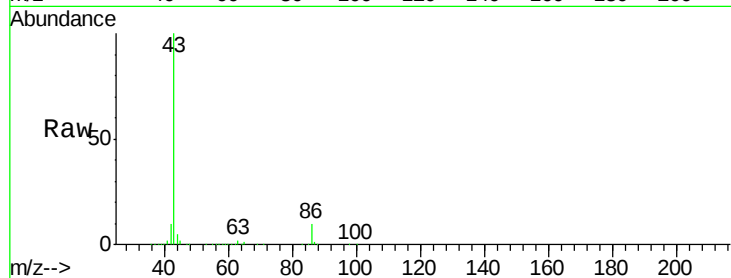
86 9.6 7.7 11.5

Manual Integrations

APPROVED

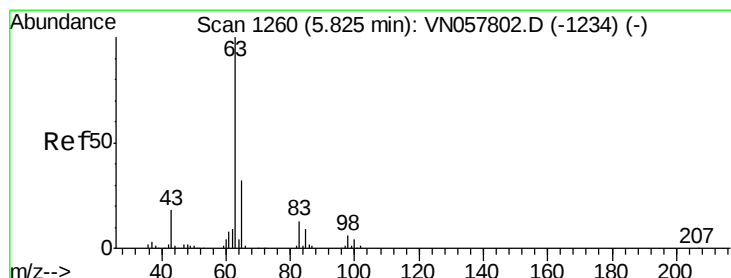
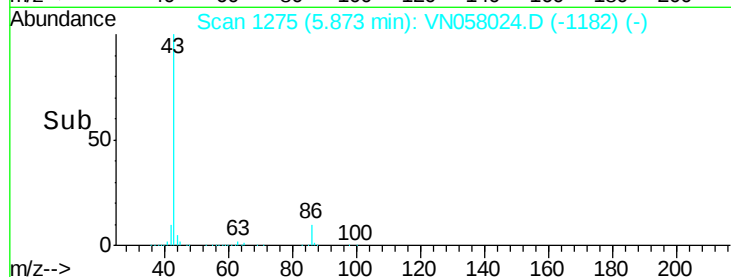
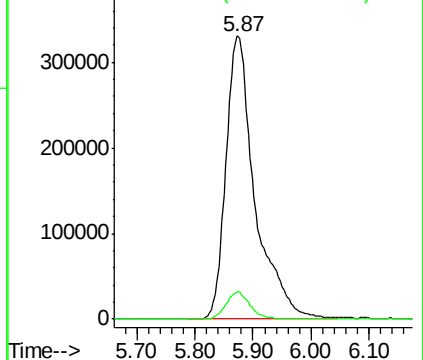
MMDadoda

9/16/2019 2:11:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 20.530 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

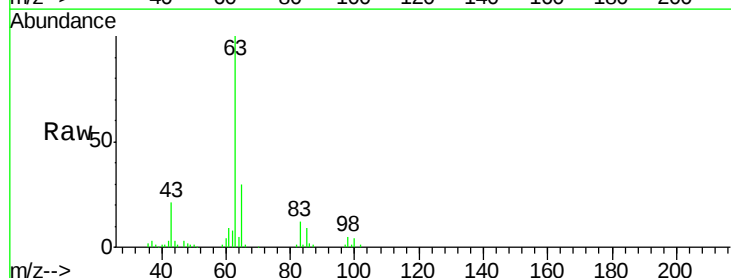
Tgt Ion: 63 Resp: 174111

Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.2

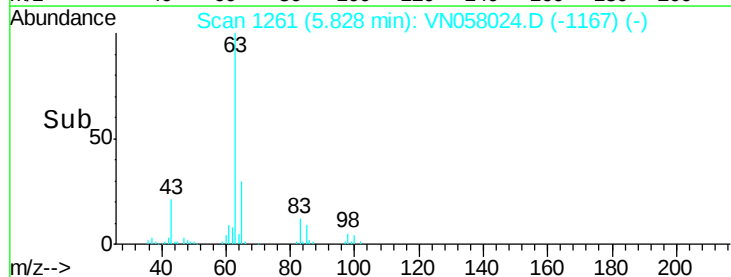
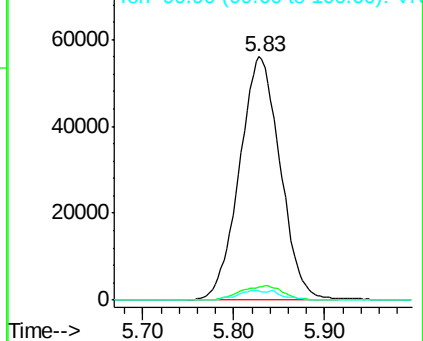
100 3.6 2.0 5.8

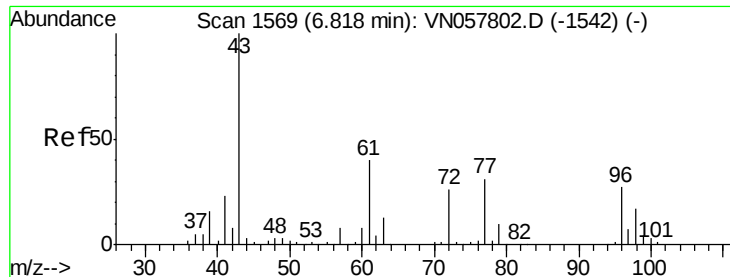


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





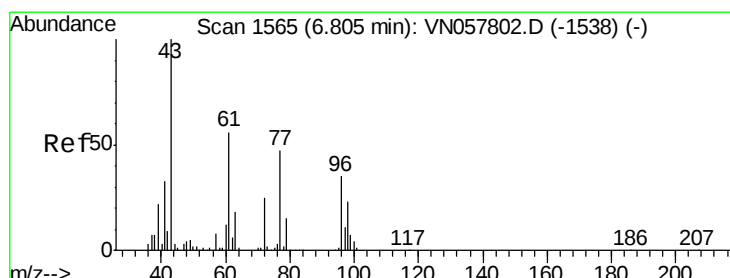
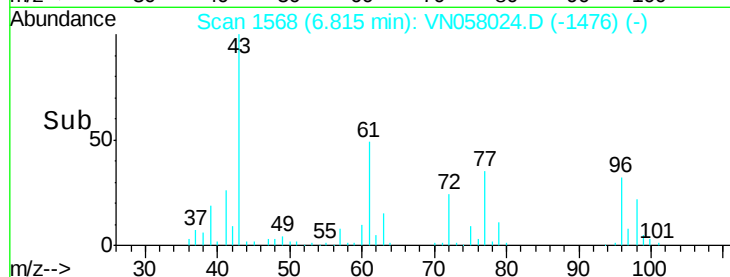
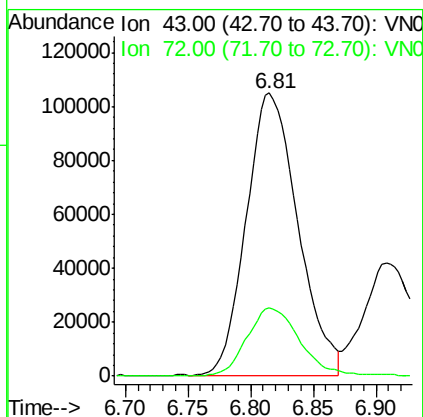
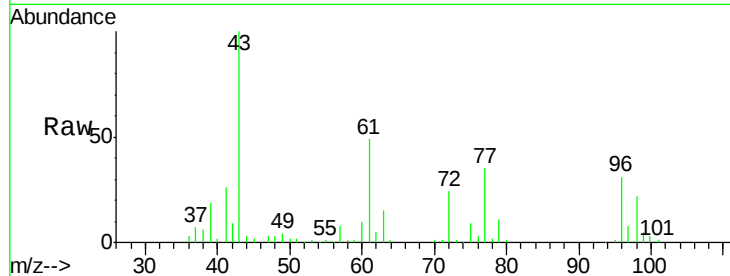
#25
2-Butanone
Concen: 98.029 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion: 43 Resp: 299146
Ion Ratio Lower Upper
43 100
72 24.3 20.6 30.8

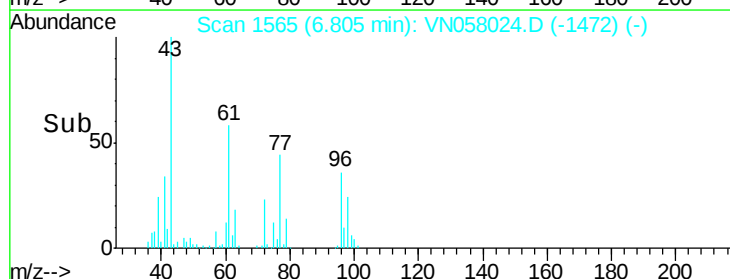
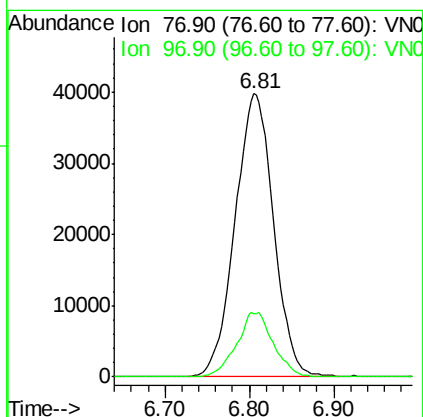
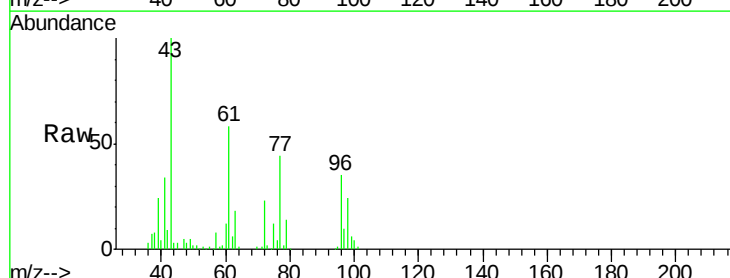
Manual Integrations
APPROVED

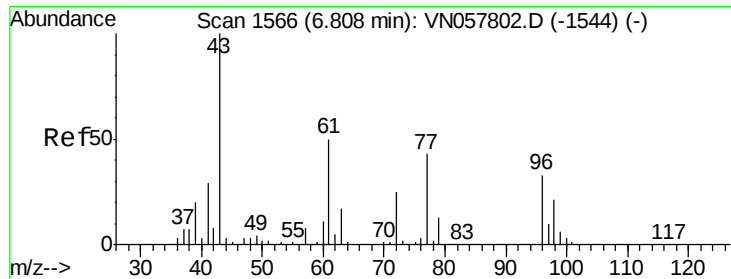
MMDadoda
9/16/2019 2:11:44 PM



#26
2,2-Dichloropropane
Concen: 18.776 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 77 Resp: 126018
Ion Ratio Lower Upper
77 100
97 21.6 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 20.055 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

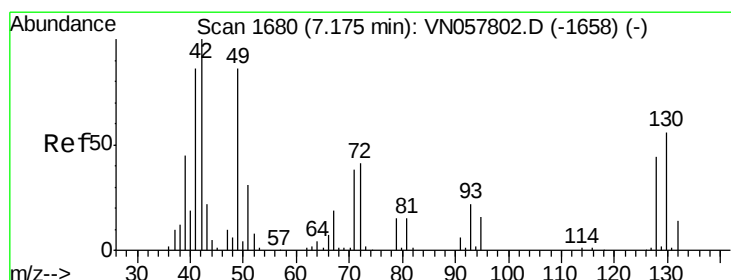
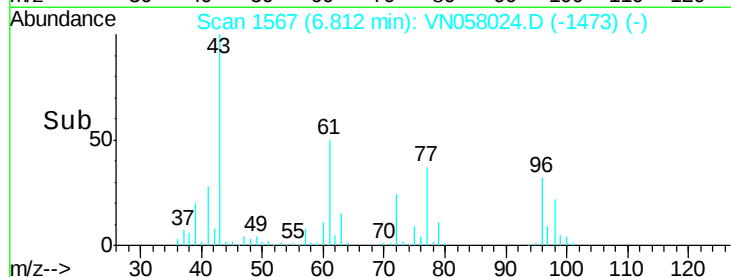
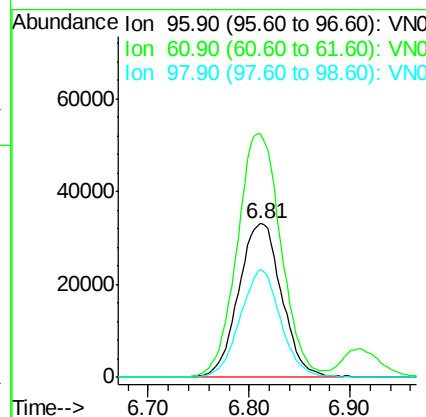
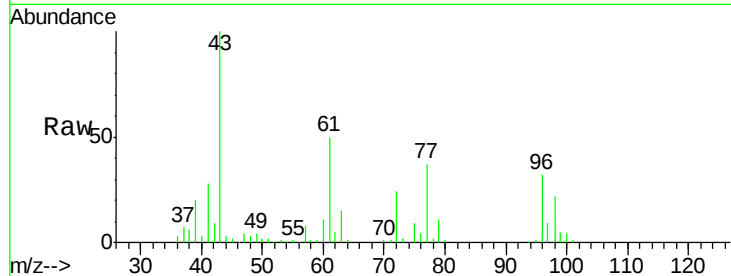
ClientSampleId :

VN0914WBS03

Tot Ion:	96	Resp:	98238
Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	314.0
98	66.0	0.0	128.6

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM



#28

Bromochloromethane

Concen: 22.101 ug/l

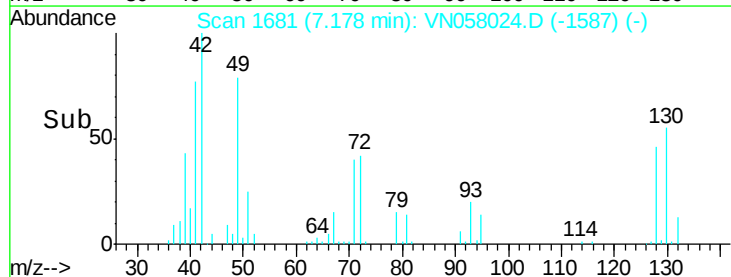
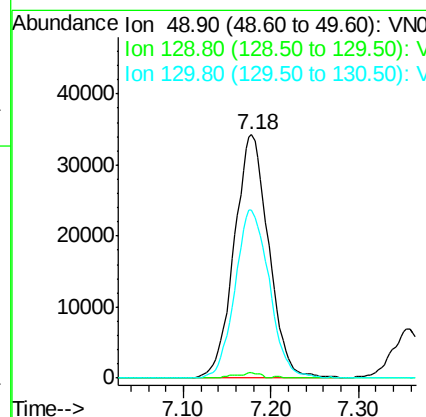
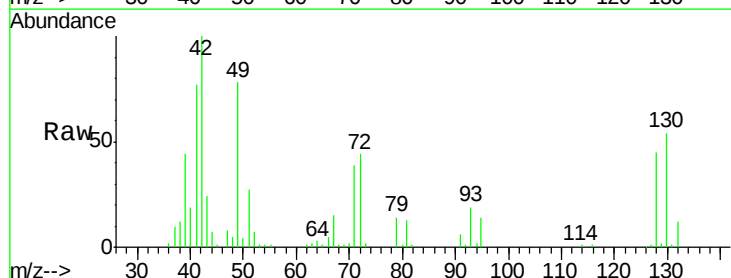
RT: 7.18 min Scan# 1681

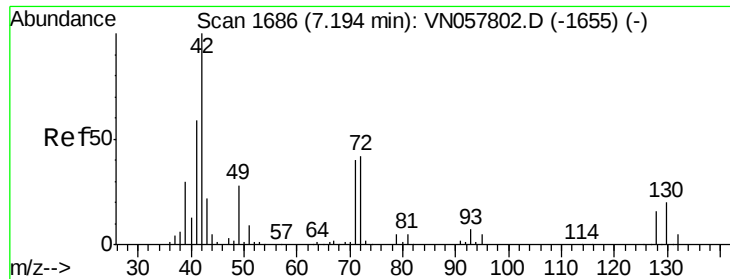
Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion:	49	Resp:	93642
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	68.6	53.0	79.6





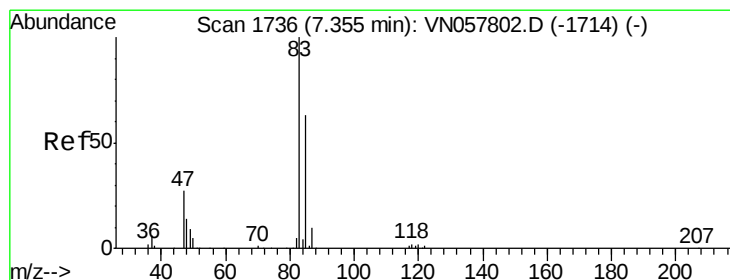
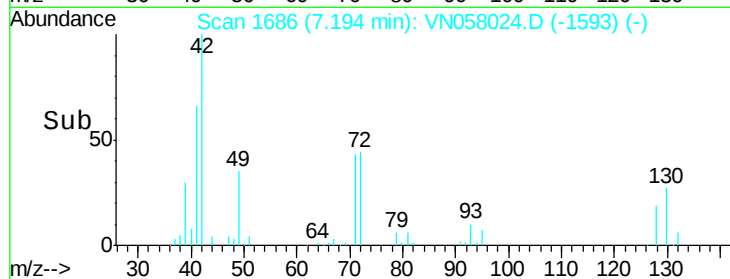
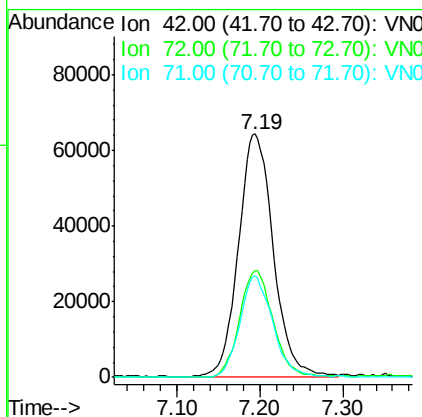
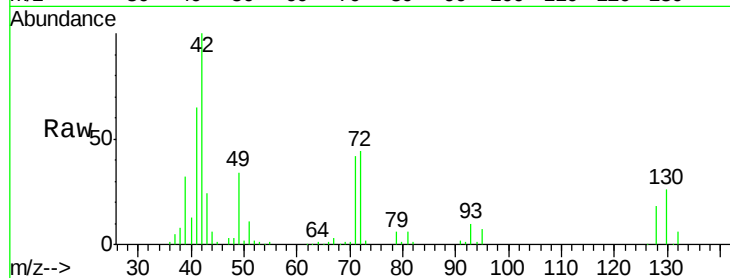
#29
Tetrahydrofuran
Concen: 99.634 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.6	31.9	47.9

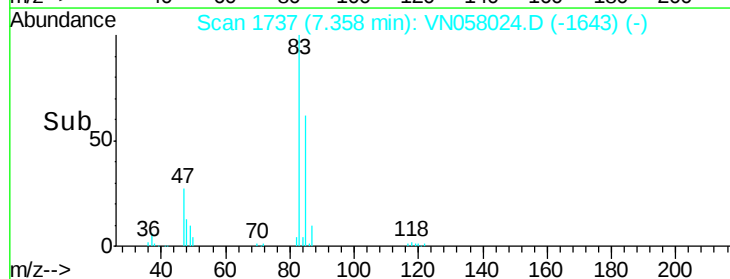
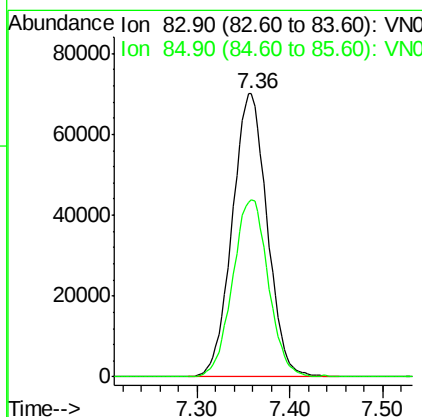
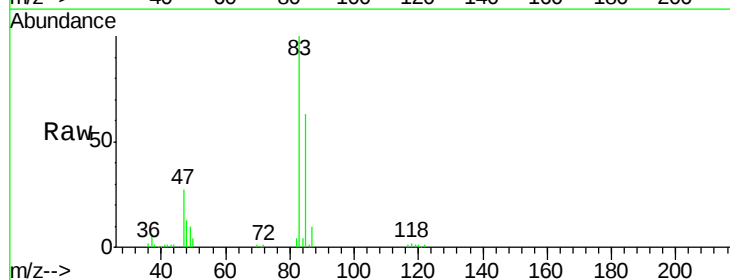
Manual Integrations
APPROVED

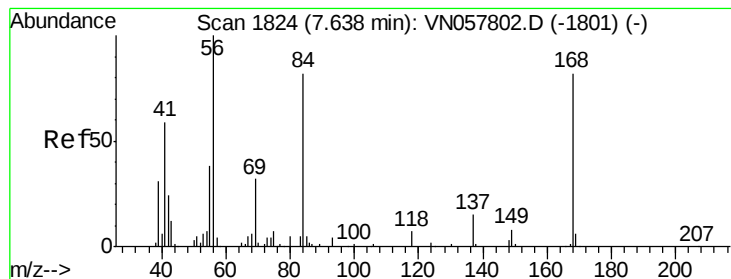
MMDadoda
9/16/2019 2:11:44 PM



#30
Chloroform
Concen: 20.649 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.6	75.8





#31

Cyclohexane

Concen: 19.906 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

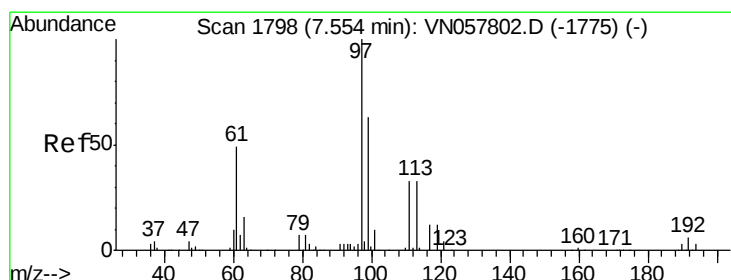
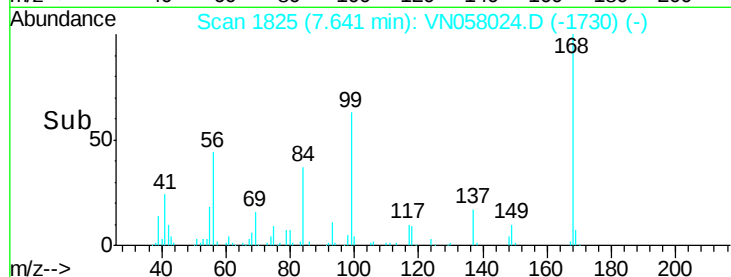
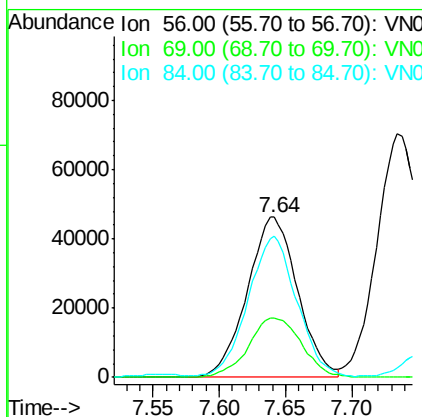
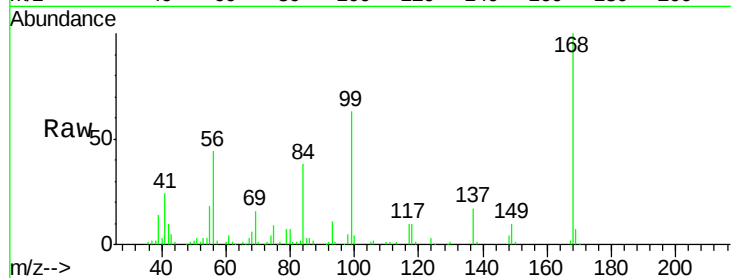
ClientSampleId :

VN0914WBS03

Tot Ion:	56	Resp:	122826
Ion	Ratio	Lower	Upper
56	100		
69	36.9	25.9	38.9
84	87.0	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM



#32

1,1,1-Trichloroethane

Concen: 19.979 ug/l

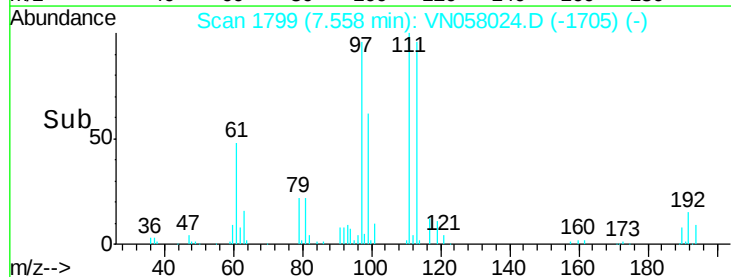
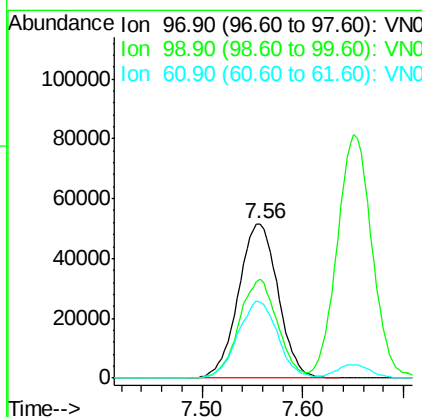
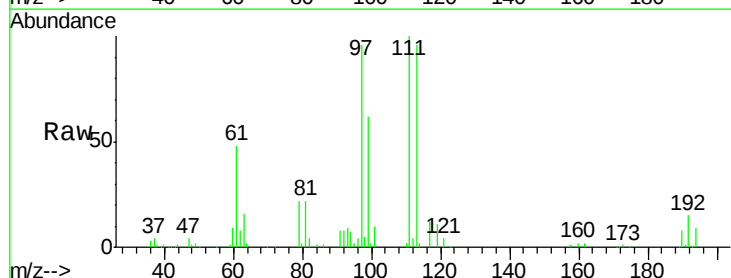
RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion:	97	Resp:	140513
Ion	Ratio	Lower	Upper
97	100		
99	62.0	51.0	76.4
61	50.5	39.0	58.6





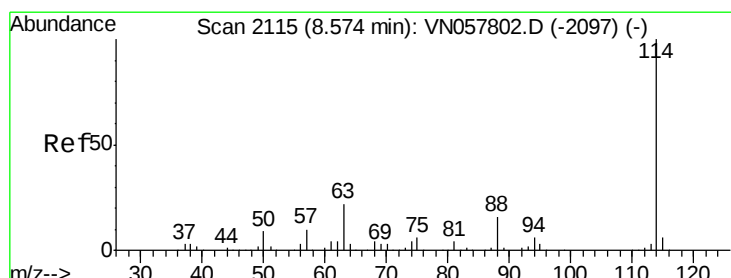
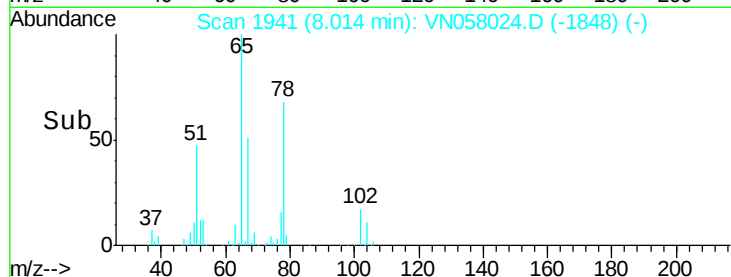
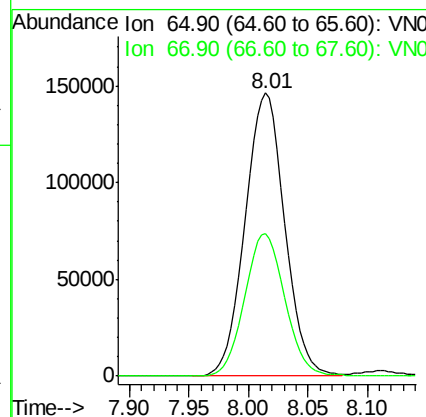
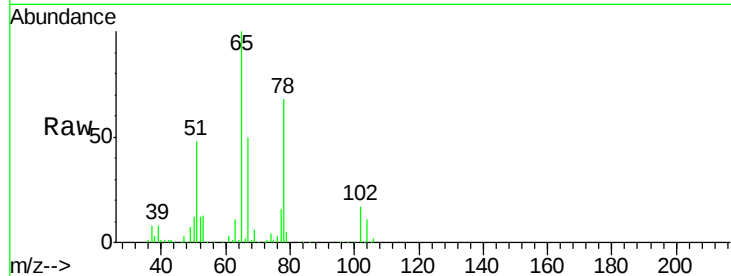
#33
 1,2-Dichloroethane-d4
 Concen: 52.458 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	337390		
67	51.3	0.0	104.0	

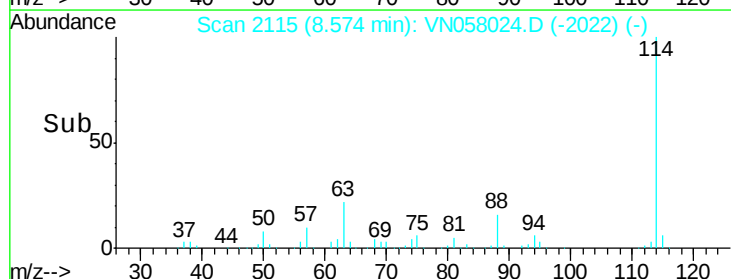
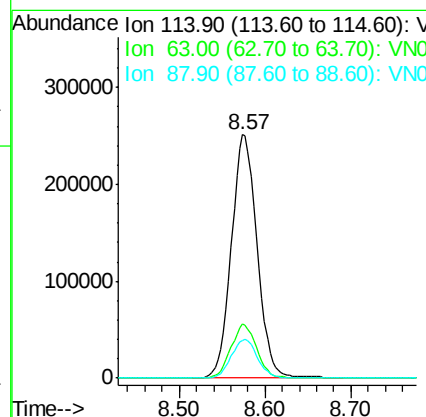
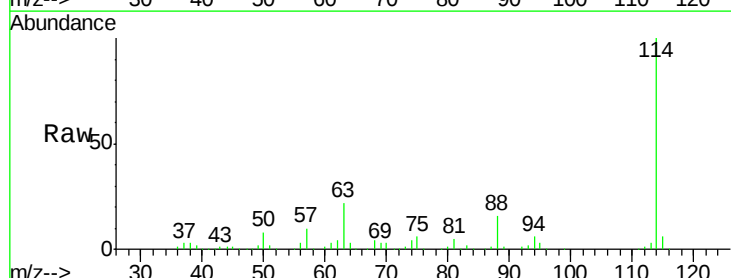
Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	521922		
63	22.2	0.0	44.0	
88	15.6	0.0	31.4	





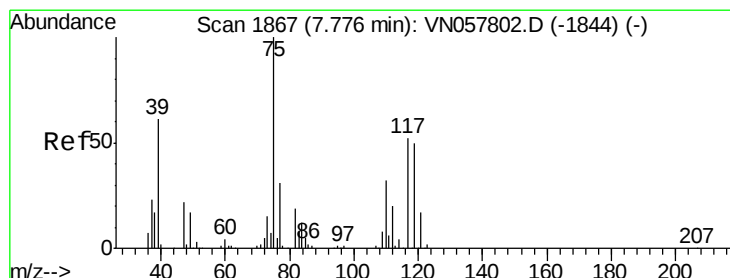
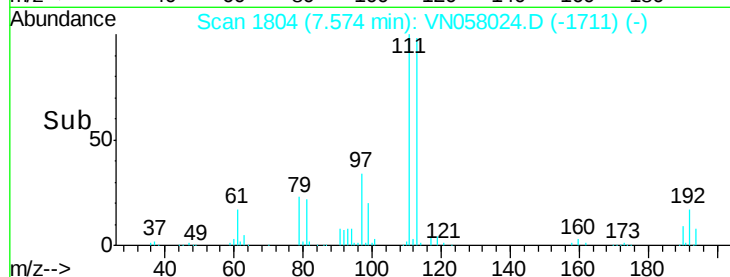
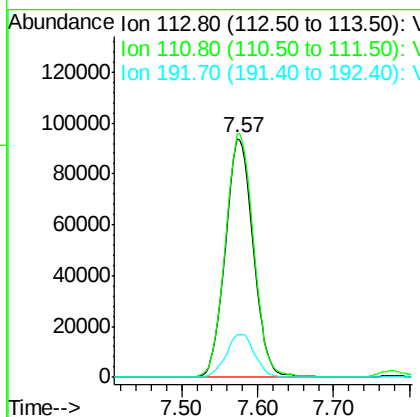
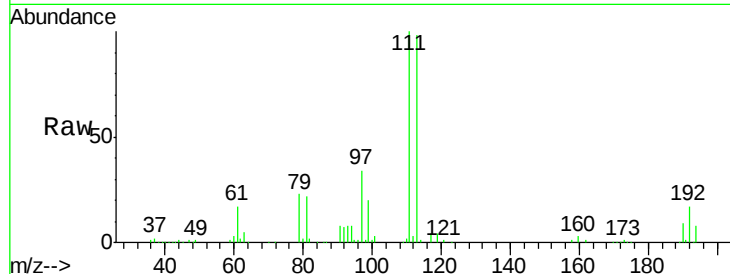
#35
 Dibromofluoromethane
 Concen: 49.943 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	240581		
111	102.7	81.3	121.9	
192	18.4	14.6	22.0	

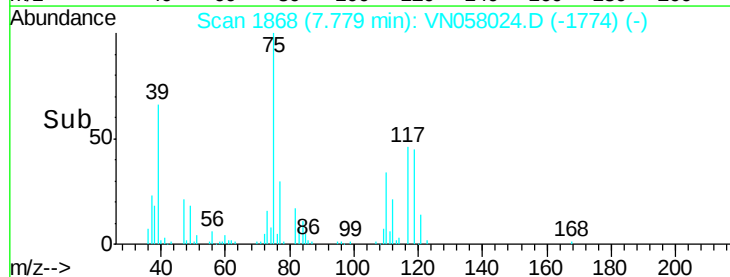
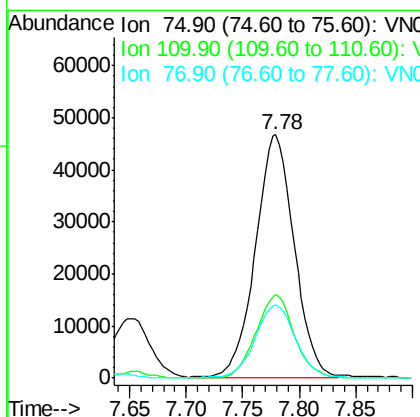
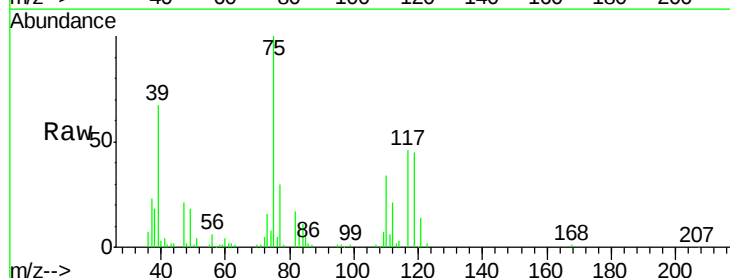
Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:44 PM



#36
 1,1-Dichloropropene
 Concen: 18.207 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110207		
110	34.1	16.3	48.9	
77	31.8	25.0	37.4	





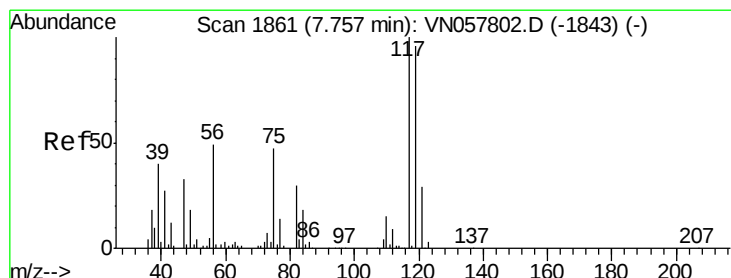
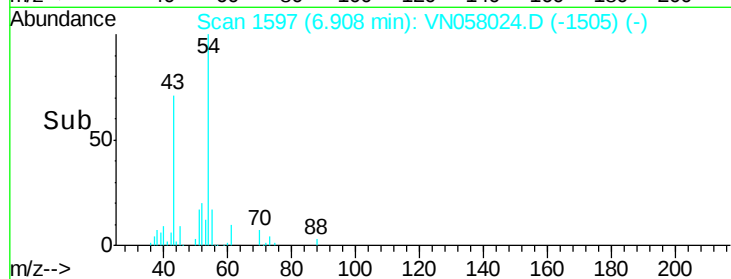
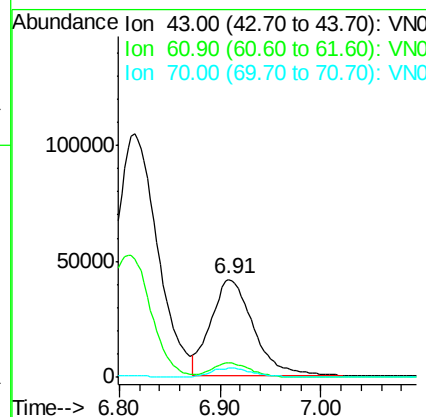
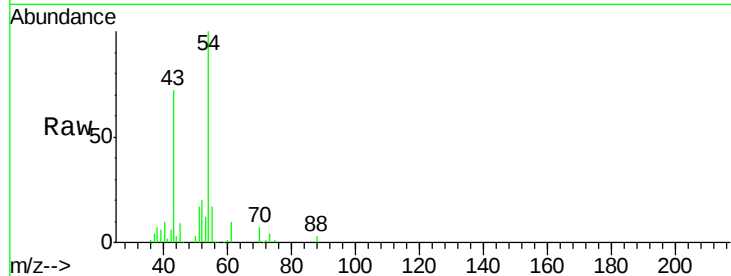
#37
Ethyl Acetate
Concen: 19.427 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.5	15.7
70	9.6	7.4	11.0

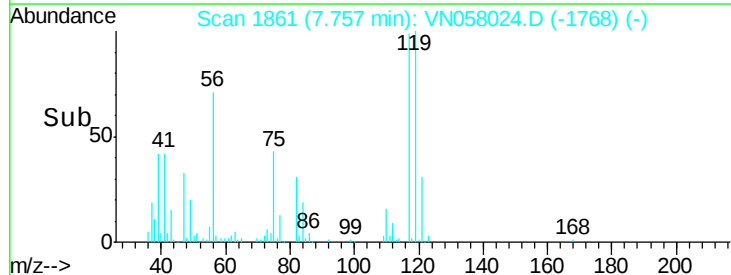
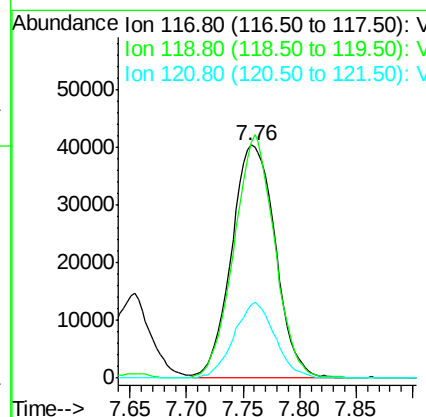
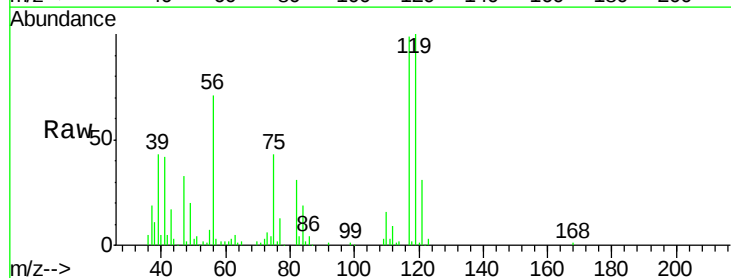
Manual Integrations
APPROVED

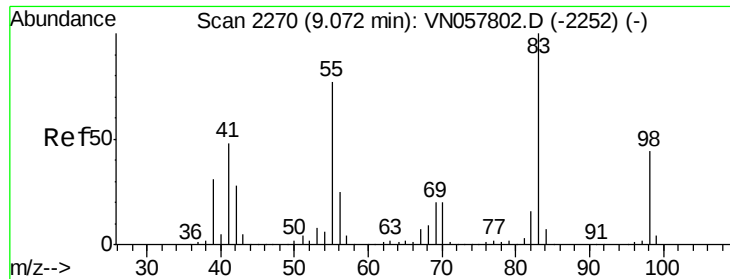
MMDadoda
9/16/2019 2:11:44 PM



#38
Carbon Tetrachloride
Concen: 19.711 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	76.9	115.3
121	31.6	23.4	35.2





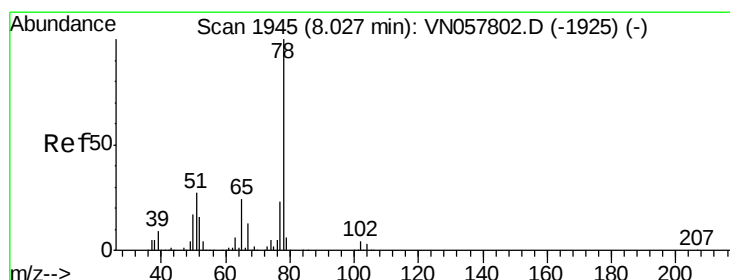
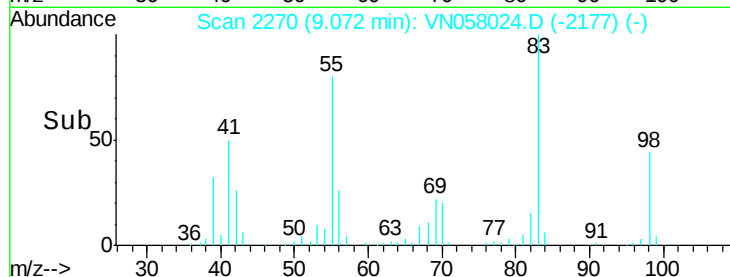
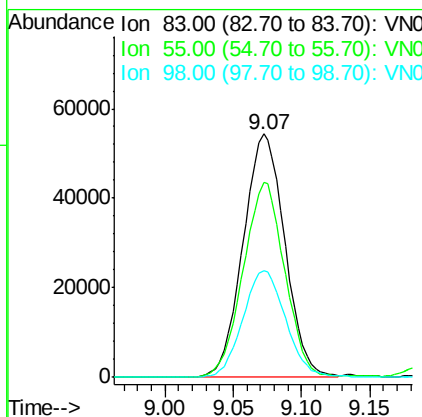
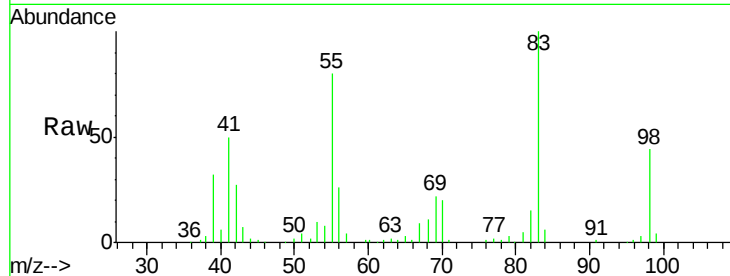
#39
Methvlcvclohexane
Concen: 18.157 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	83.00	Resp	115534
Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.6	92.4
98	44.0	34.9	52.3

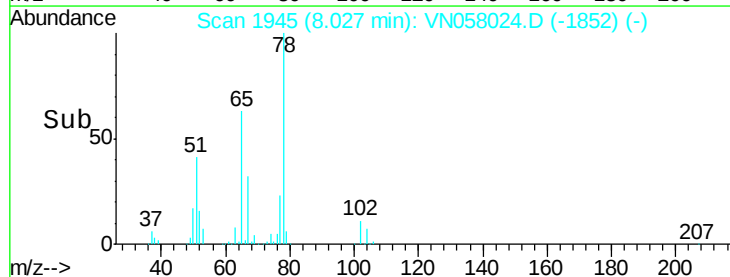
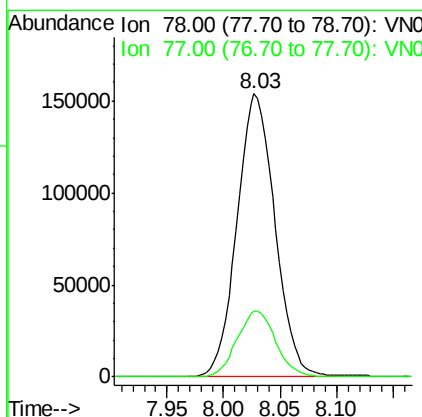
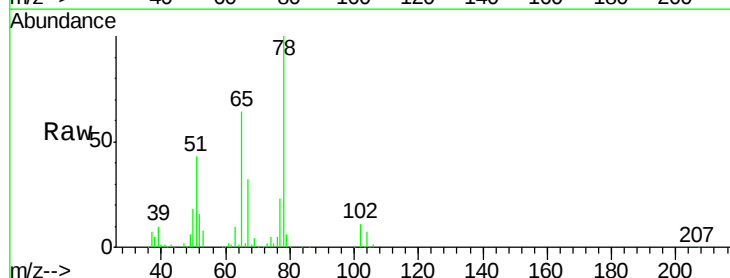
Manual Integrations
APPROVED

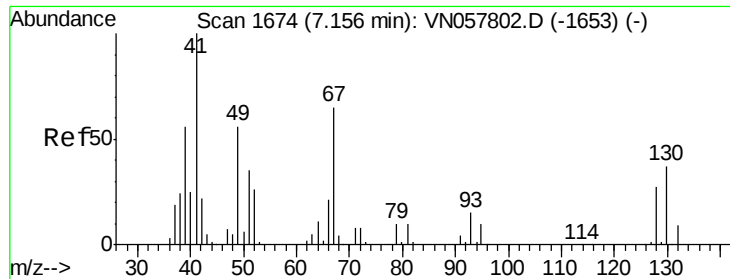
MMDadoda
9/16/2019 2:11:44 PM



#40
Benzene
Concen: 19.727 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	78.00	Resp	359484
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.3	27.5





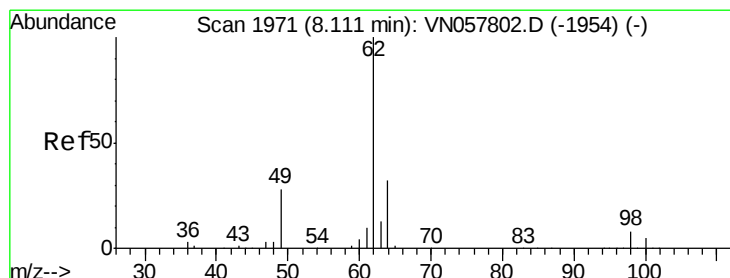
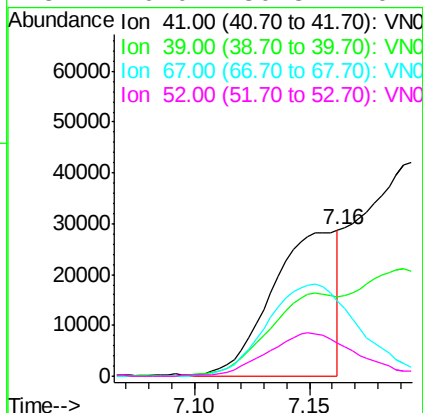
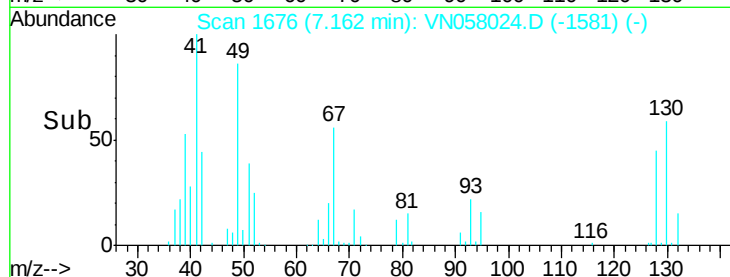
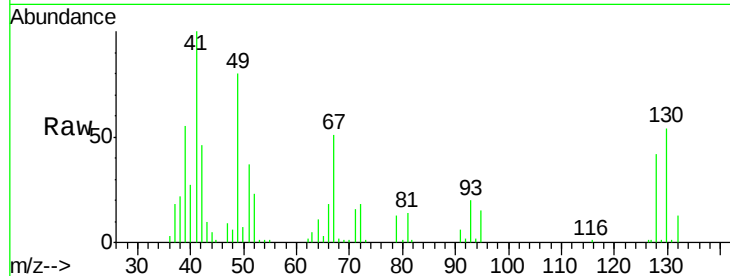
#41
Methacrylonitrile
Concen: 20.083 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

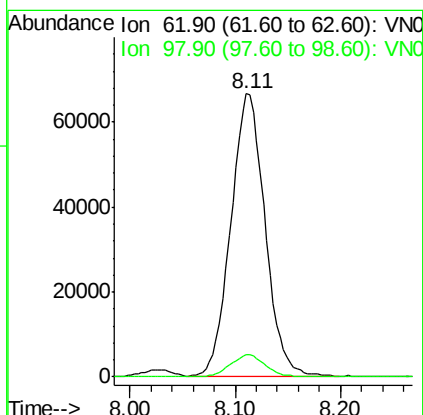
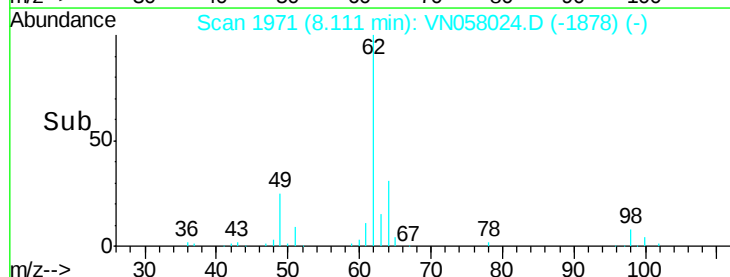
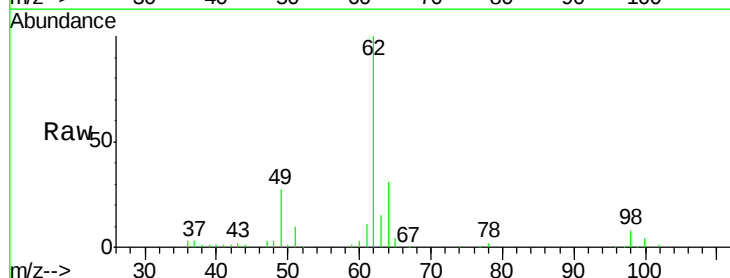
Manual Integrations
APPROVED

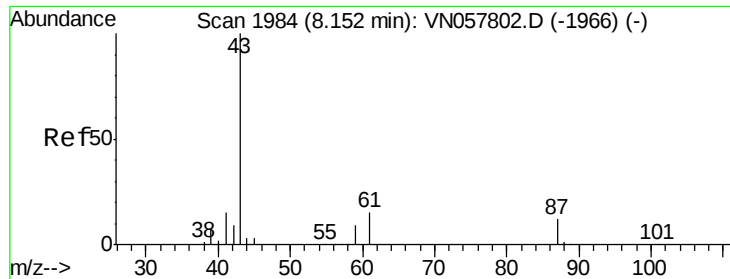
MMDadoda
9/16/2019 2:11:44 PM



#42
1,2-Dichloroethane
Concen: 20.566 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 20.837 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

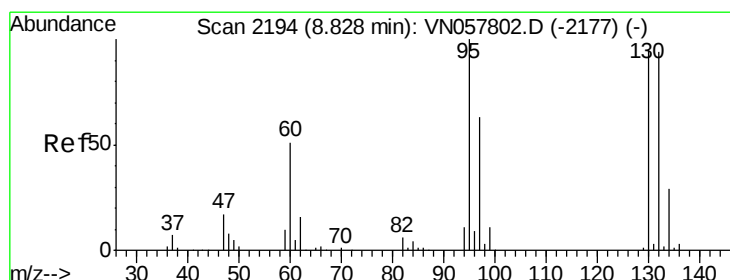
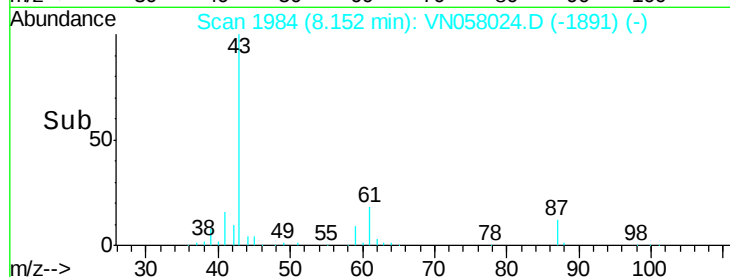
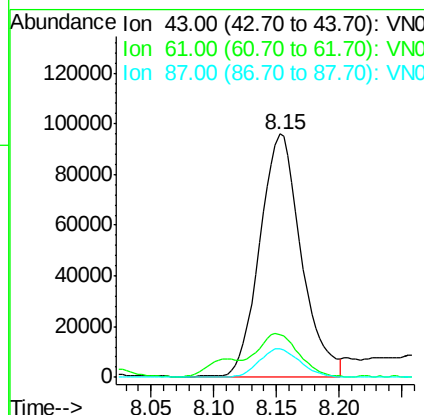
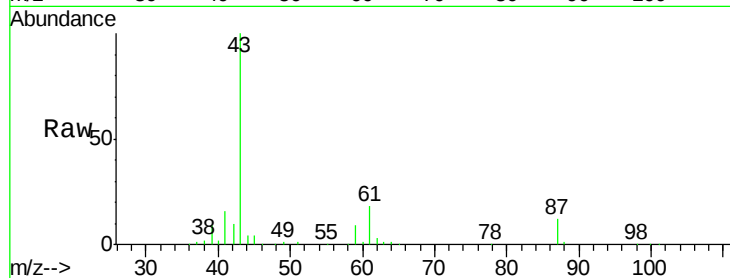
ClientSampleId :

VN0914WBS03

Tot Ion:	43	Resp:	219144
Ion	Ratio	Lower	Upper
43	100		
61	17.7	20.1	30.1#
87	11.6	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM



#44

Trichloroethene

Concen: 19.724 ug/l

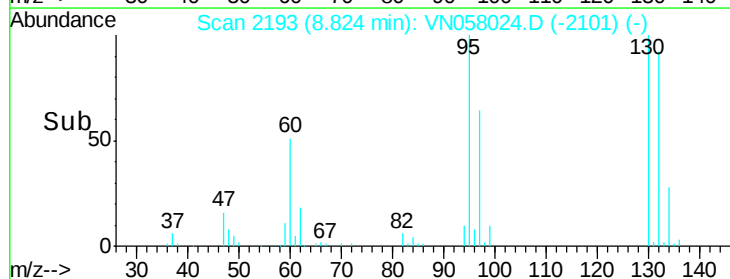
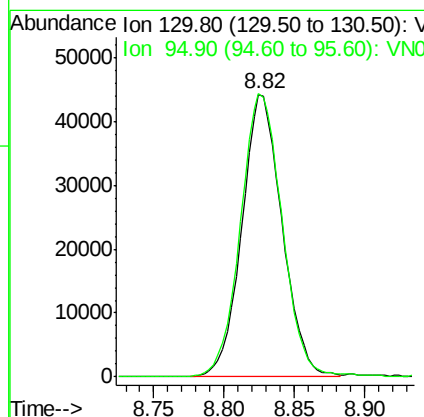
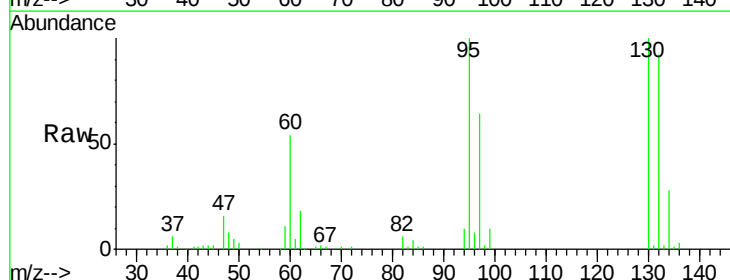
RT: 8.82 min Scan# 2193

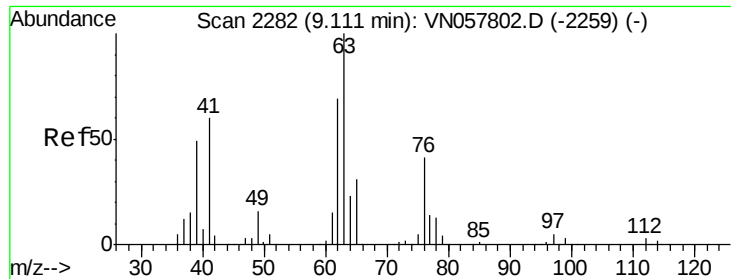
Delta R.T. -0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion:	130	Resp:	88160
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	211.4





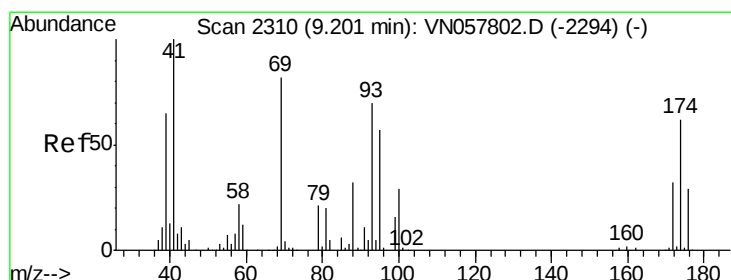
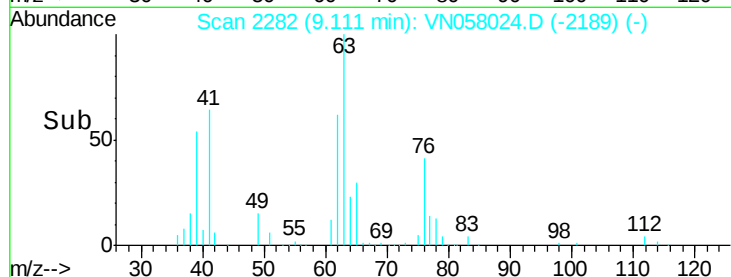
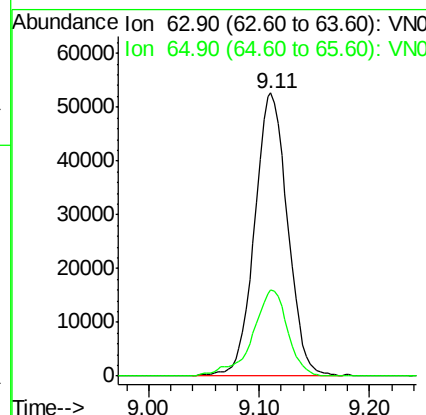
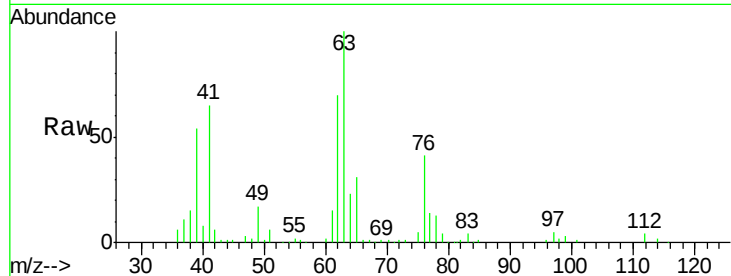
#45
 1,2-Dichloropropane
 Concen: 20.555 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion: 63 Resp: 108997
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2

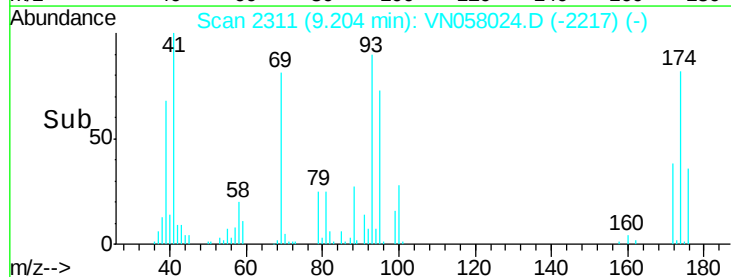
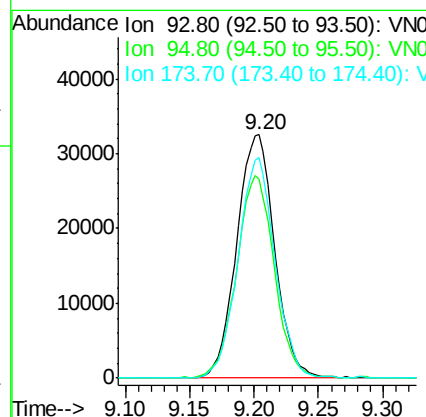
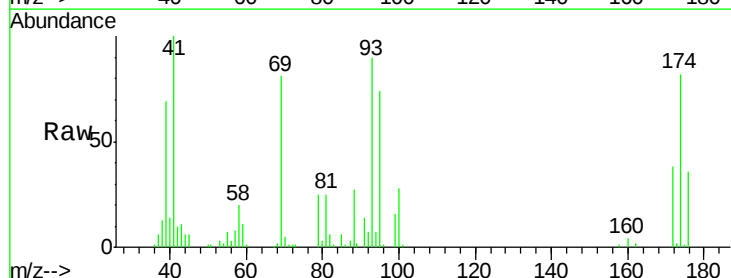
Manual Integrations
 APPROVED

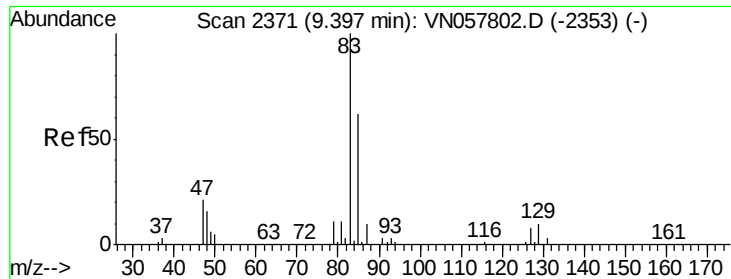
MMDadoda
 9/16/2019 2:11:44 PM



#46
 Dibromomethane
 Concen: 20.764 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 93 Resp: 66533
 Ion Ratio Lower Upper
 93 100
 95 82.7 65.9 98.9
 174 88.3 71.8 107.6





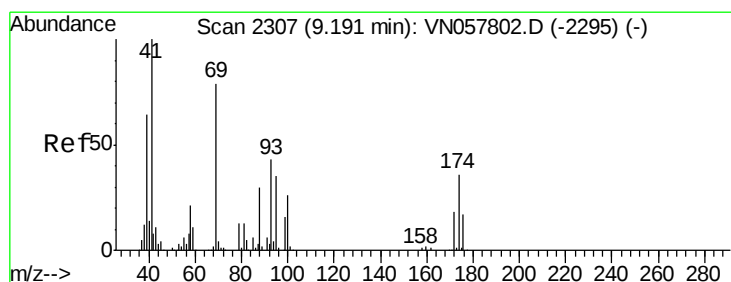
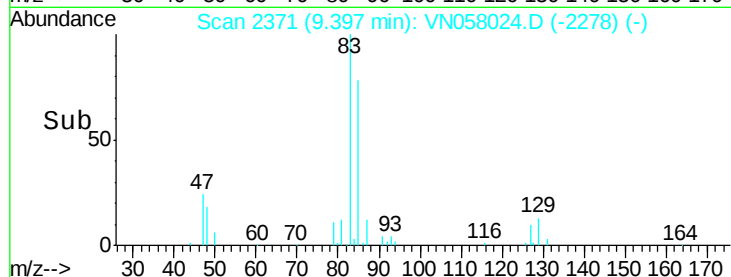
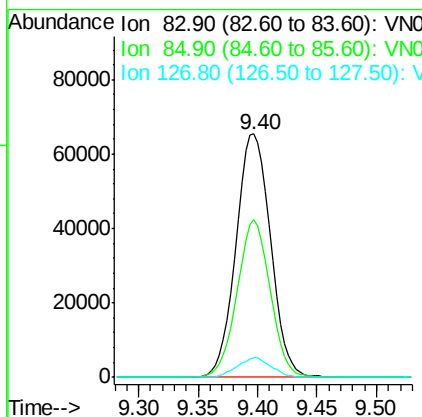
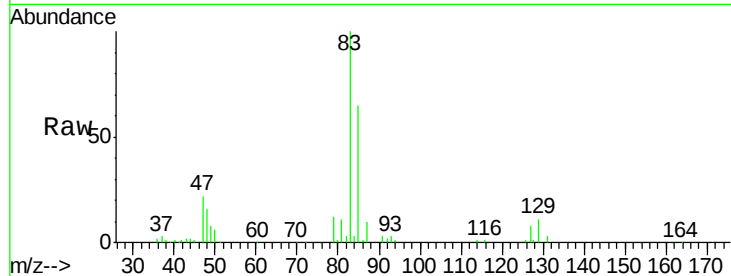
#47
Bromodichloromethane
Concen: 20.624 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	83	Resp	131968
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	49.9	74.9
127	8.2	6.5	9.7

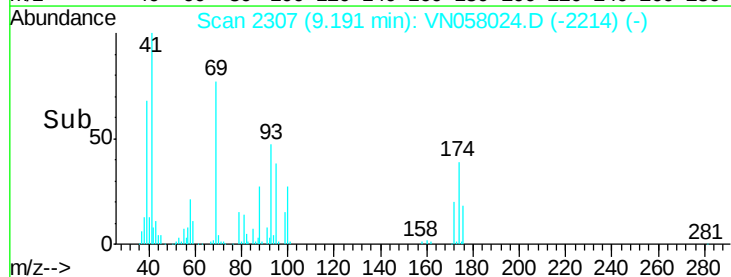
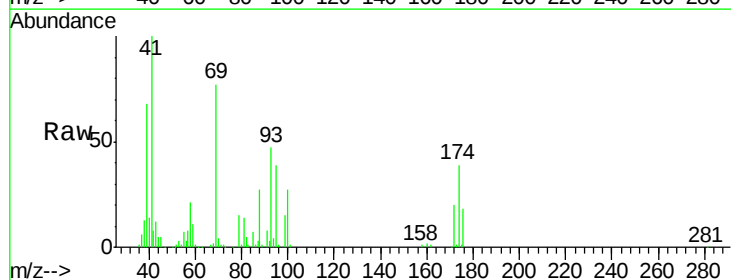
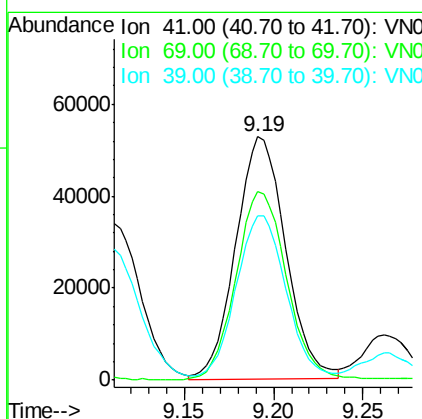
Manual Integrations
APPROVED

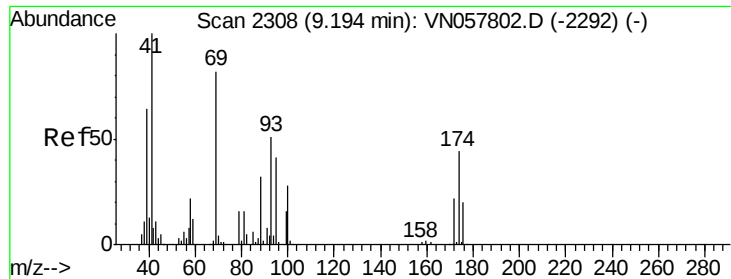
MMDadoda
9/16/2019 2:11:44 PM



#48
Methyl methacrylate
Concen: 19.286 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	41	Resp	102886
Ion Ratio	100	Lower	Upper
41	100		
69	79.2	62.7	94.1
39	68.5	52.7	79.1





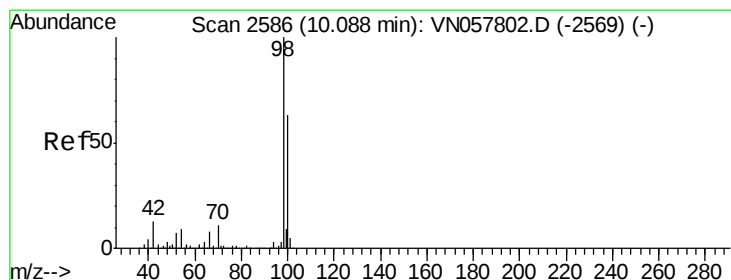
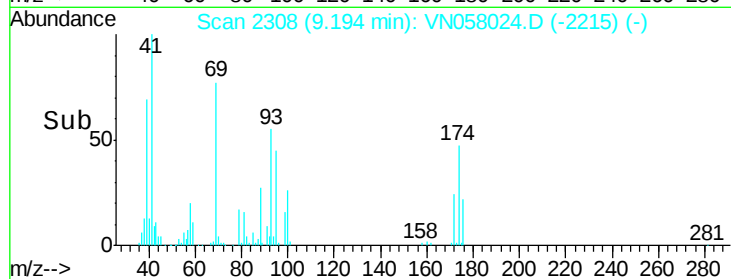
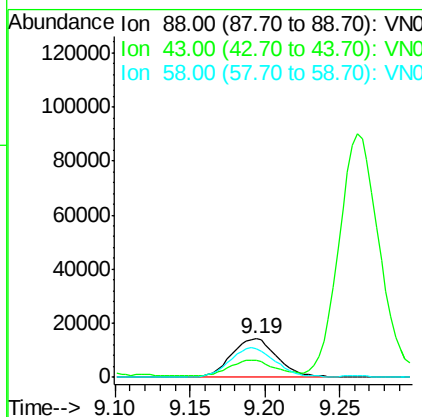
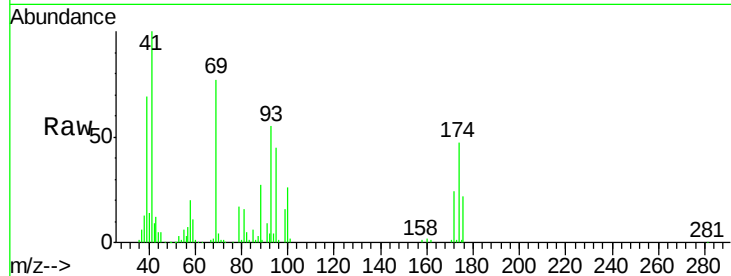
#49
1,4-Dioxane
Concen: 339.428 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	88	Resp	30622
Ion	Ratio	Lower	Upper
88	100		
43	39.6	28.5	42.7
58	76.1	55.8	83.6

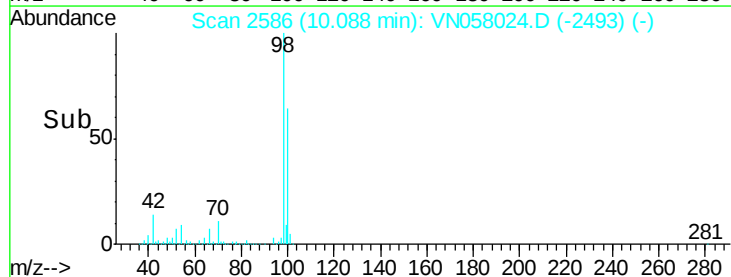
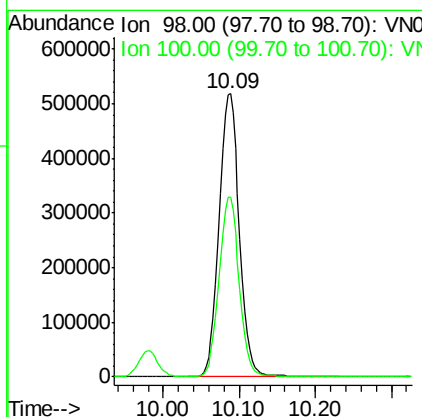
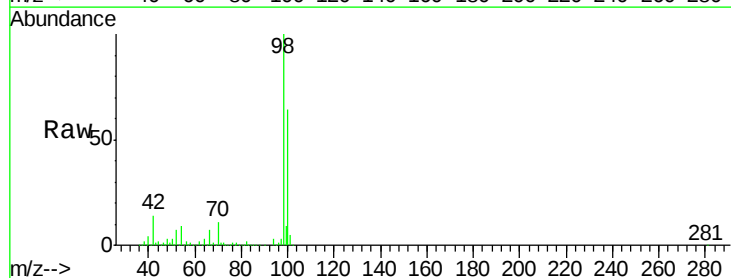
Manual Integrations
APPROVED

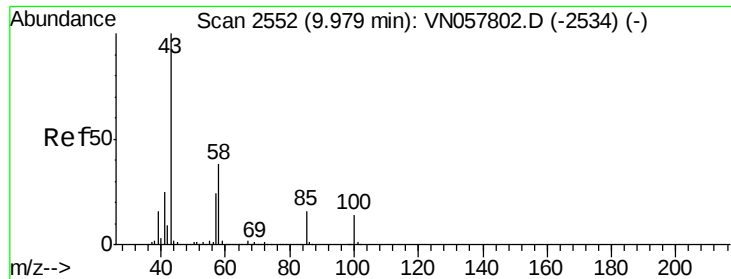
MMDadoda
9/16/2019 2:11:44 PM



#50
Toluene-d8
Concen: 51.260 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	98	Resp	958692
Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 104.877 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 43 Resp: 652707

Ion Ratio Lower Upper

43 100

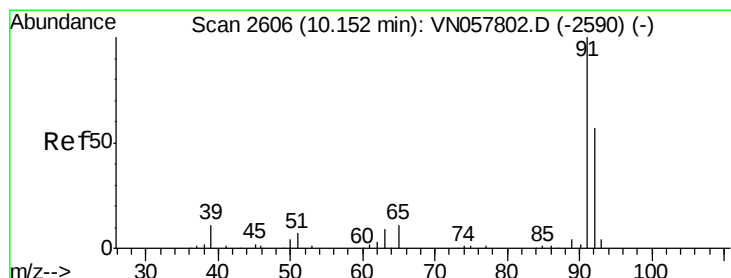
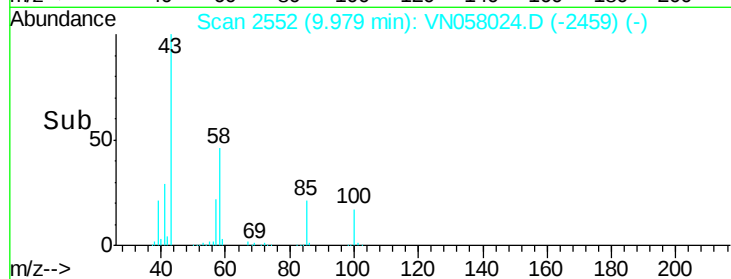
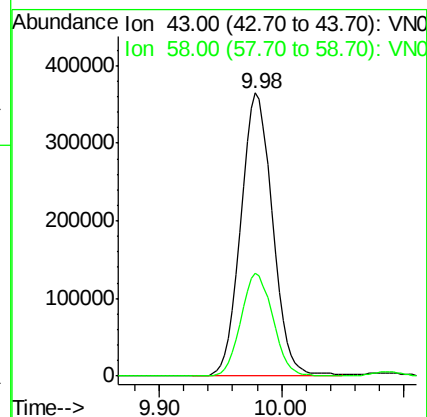
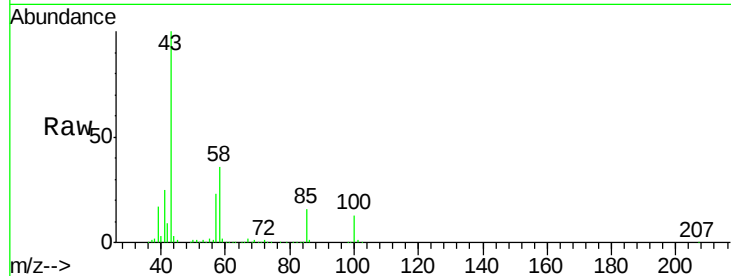
58 36.9 29.8 44.6

Manual Integrations

APPROVED

MMDadoda

9/16/2019 2:11:44 PM



#52

Toluene

Concen: 19.581 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058024.D

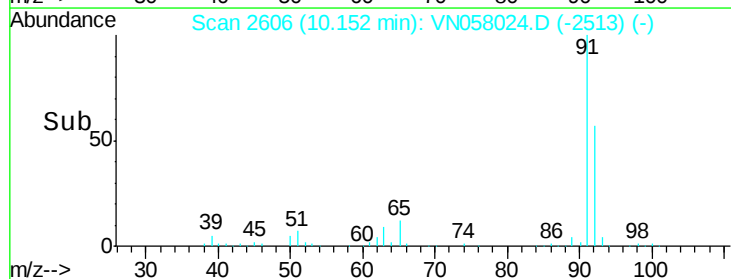
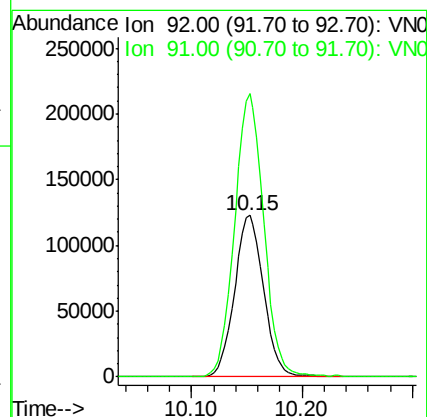
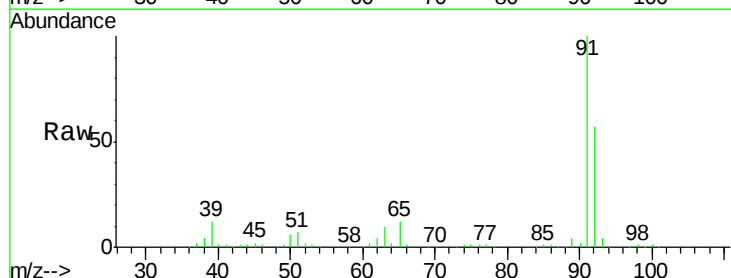
Acq: 13 Sep 2019 18:17

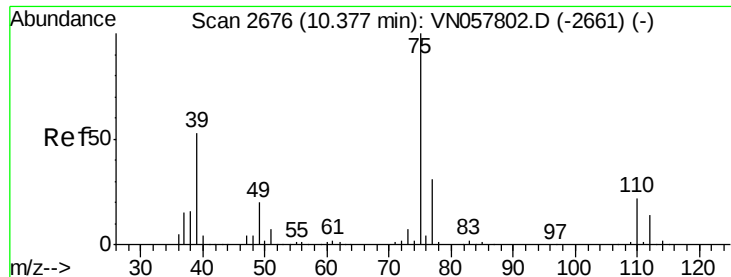
Tgt Ion: 92 Resp: 224739

Ion Ratio Lower Upper

92 100

91 175.5 141.0 211.6





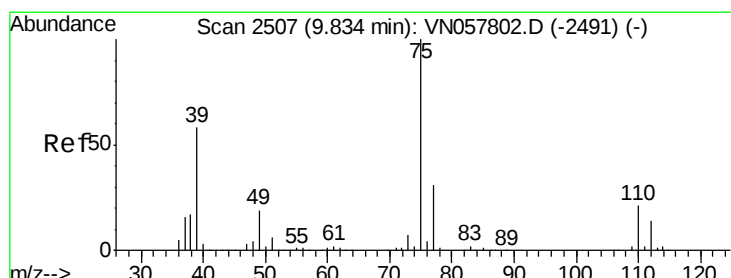
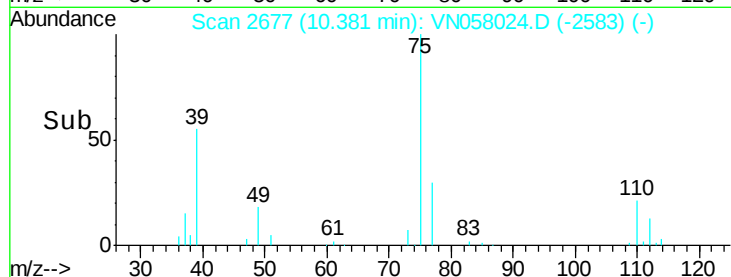
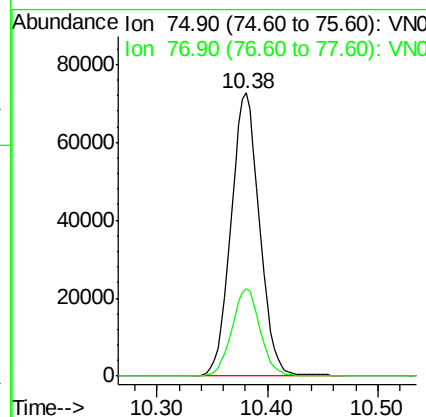
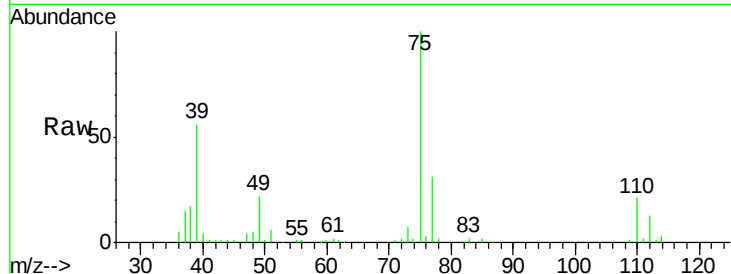
#53
 t-1,3-Dichloropropene
 Concen: 19.344 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion: 75 Resp: 130344
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.5 36.7

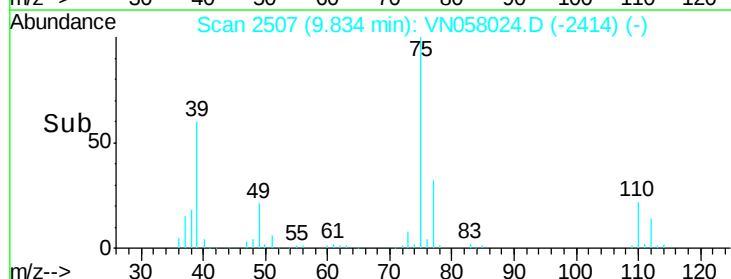
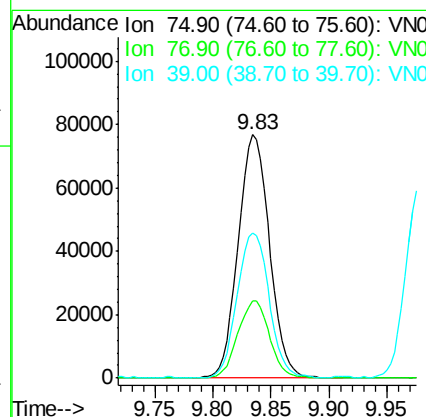
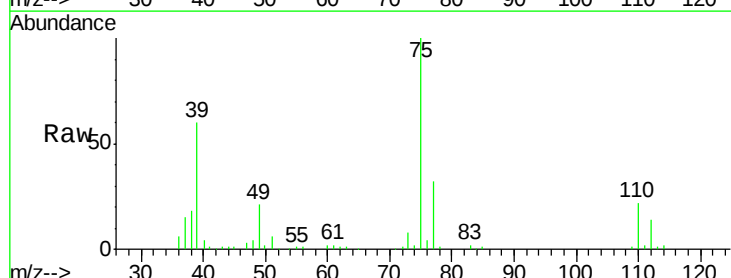
Manual Integrations
 APPROVED

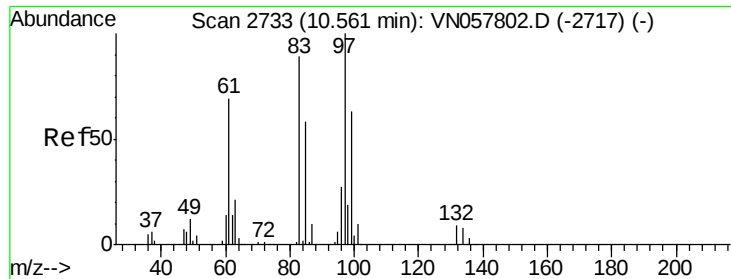
MMDadoda
 9/16/2019 2:11:44 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.453 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion: 75 Resp: 144718
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.8 37.2
 39 59.7 46.2 69.4





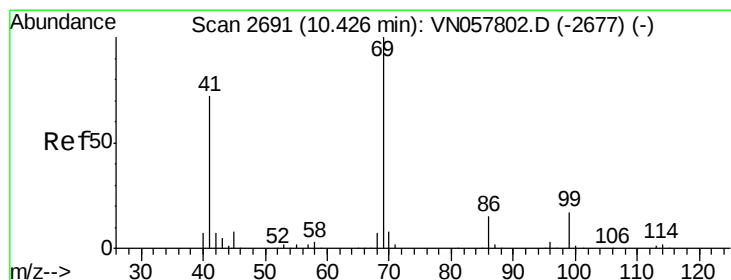
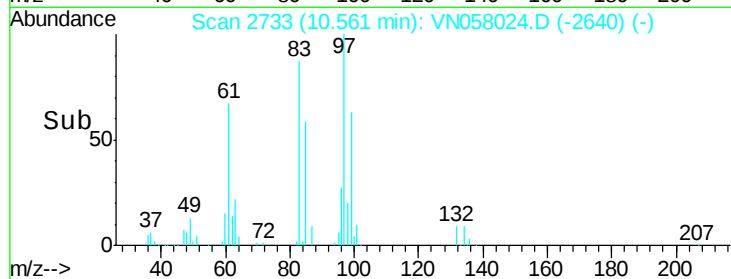
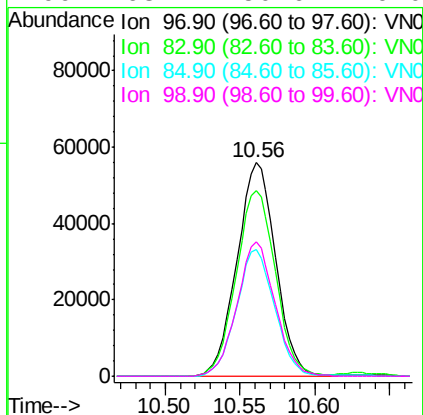
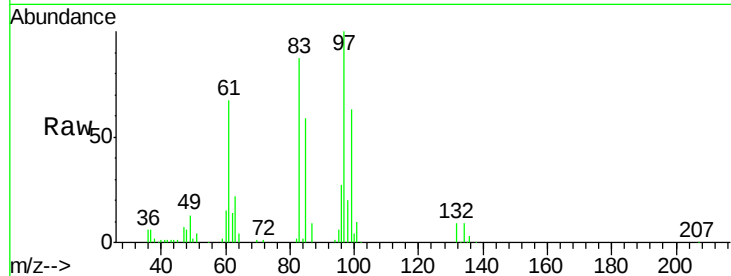
#55
 1,1,2-Trichloroethane
 Concen: 20.722 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion:	97	Resp:	100746
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.8	106.2
85	59.1	46.0	69.0
99	63.1	50.6	76.0

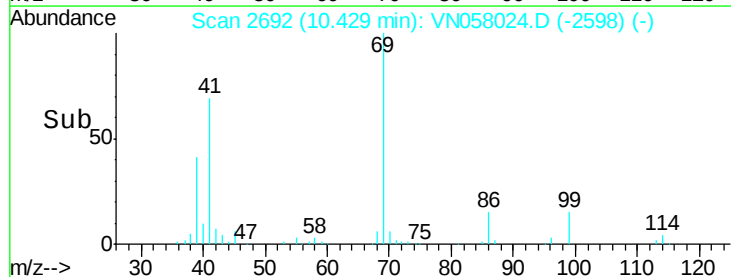
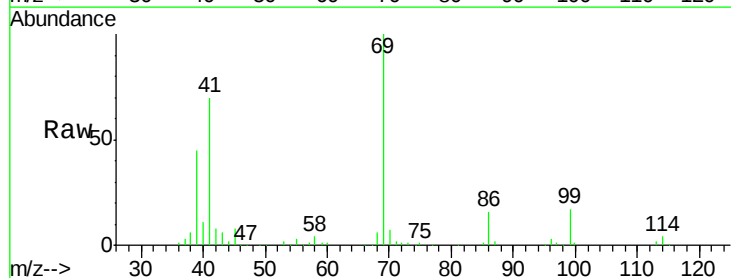
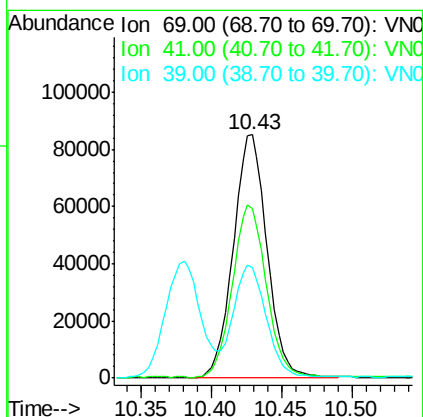
Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:44 PM



#56
 Ethyl methacrylate
 Concen: 19.564 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion:	69	Resp:	143235
Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.7	85.1
39	44.7	36.3	54.5





#57

1,3-Dichloropropane

Concen: 20.467 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 76 Resp: 171488

Ion Ratio Lower Upper

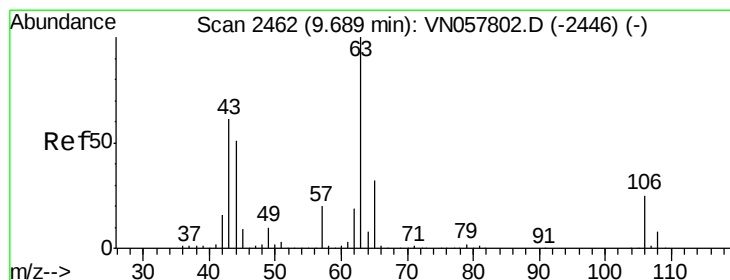
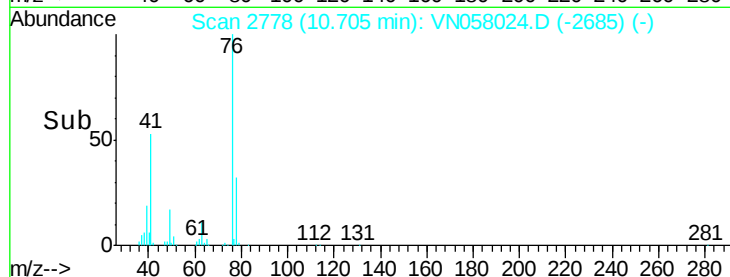
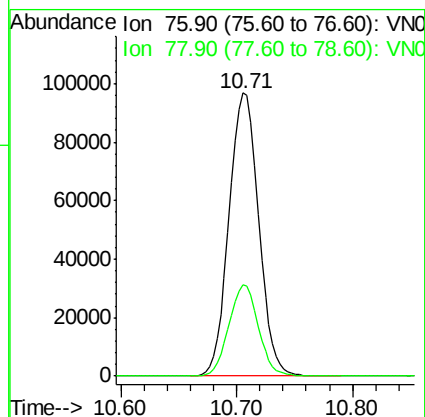
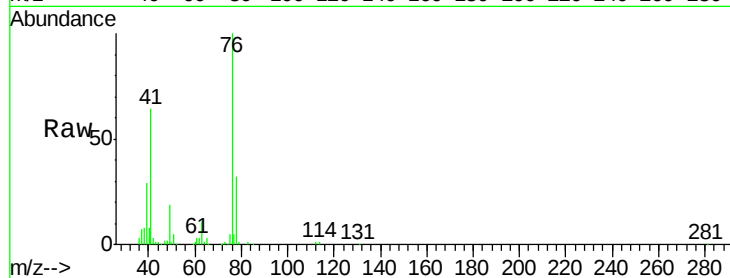
76 100

78 32.0 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

9/16/2019 2:11:44 PM



#58

2-Chloroethyl Vinyl ether

Concen: 91.394 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058024.D

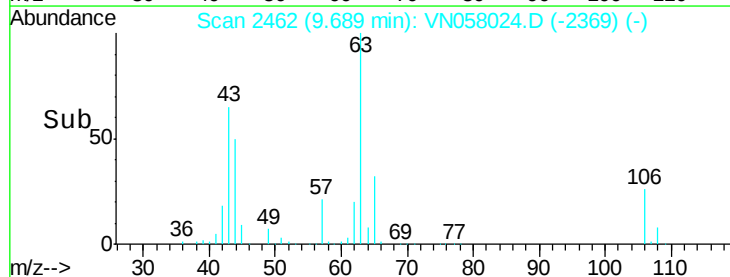
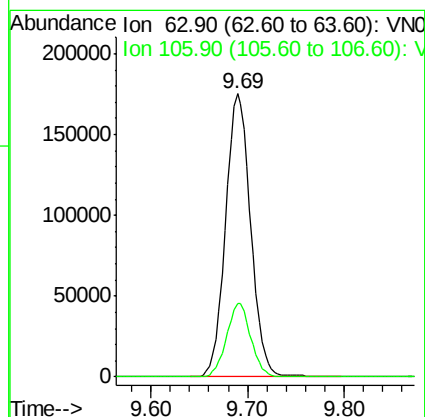
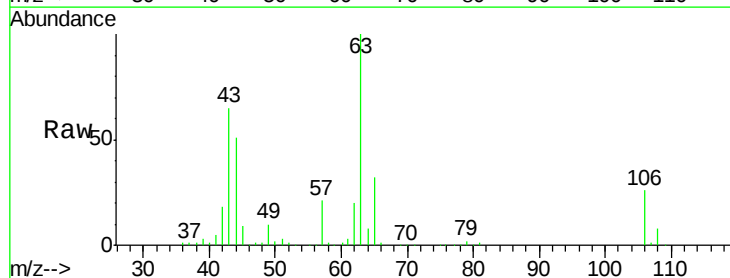
Acq: 13 Sep 2019 18:17

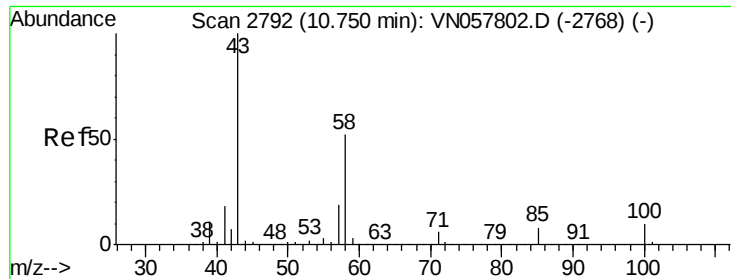
Tgt Ion: 63 Resp: 315154

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0





#59

2-Hexanone

Concen: 98.139 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 43 Resp: 457795

Ion Ratio Lower Upper

43 100

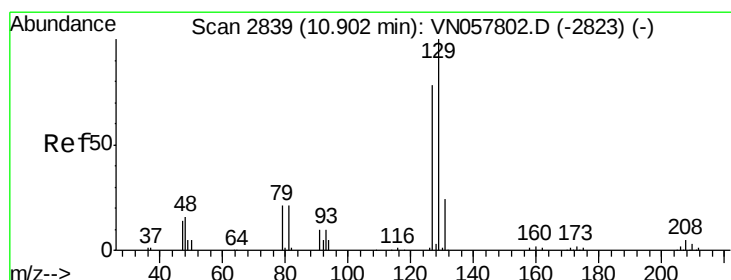
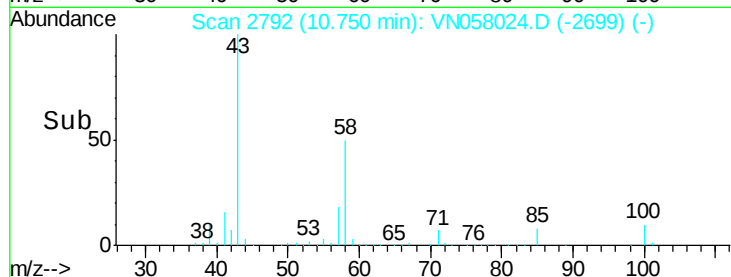
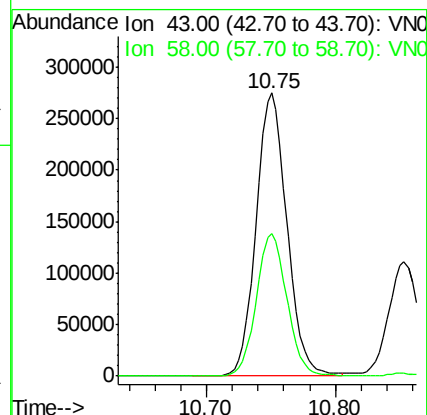
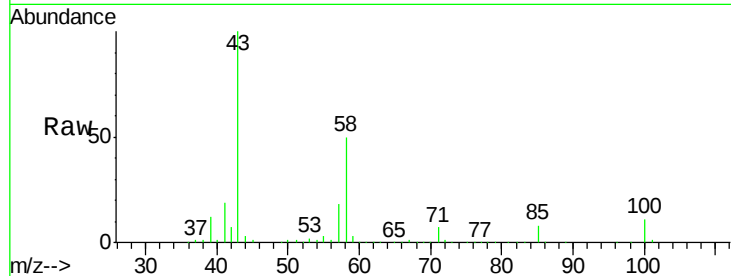
58 50.2 25.6 76.8

Manual Integrations

APPROVED

MMDadoda

9/16/2019 2:11:44 PM



#60

Dibromochloromethane

Concen: 19.123 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058024.D

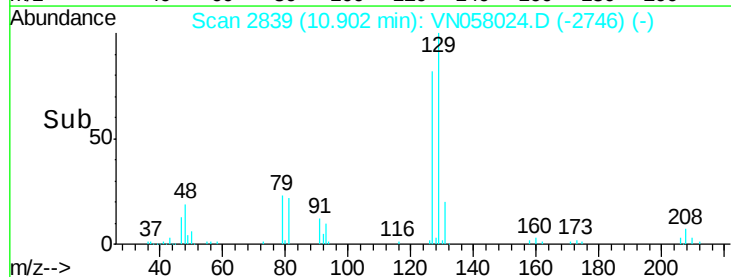
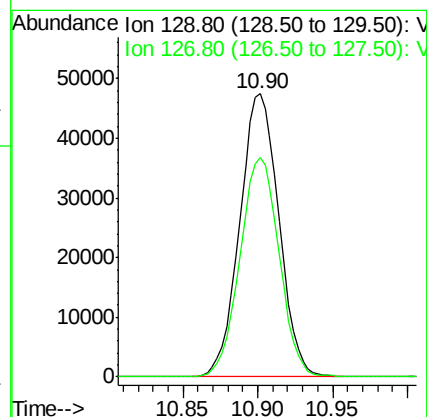
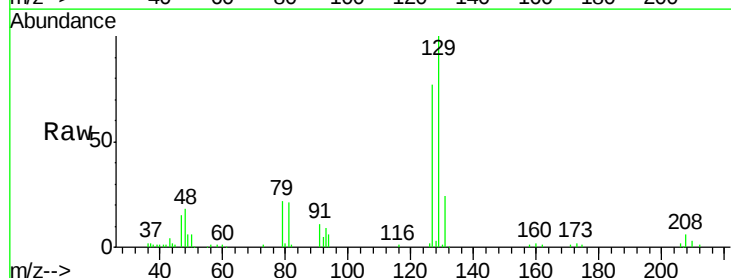
Acq: 13 Sep 2019 18:17

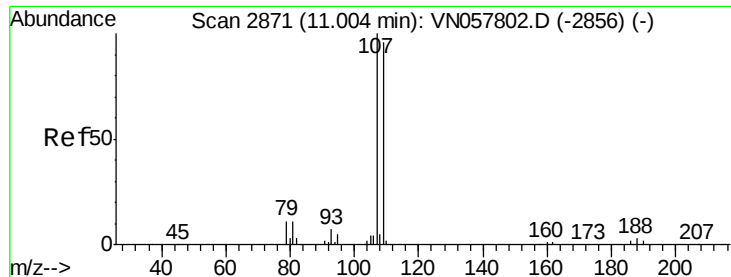
Tgt Ion: 129 Resp: 86333

Ion Ratio Lower Upper

129 100

127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.040 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 107 Resp: 92110

Ion Ratio Lower Upper

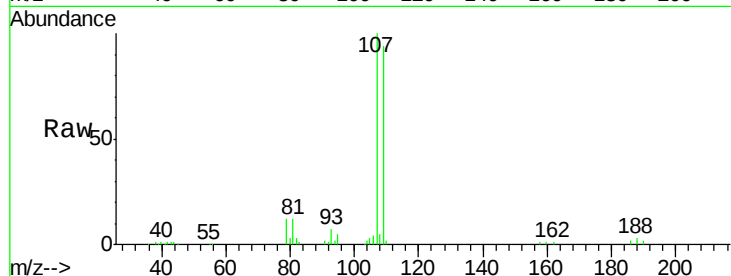
107 100

109 91.6 75.3 112.9

Manual Integrations
APPROVED

MMDadoda

9/16/2019 2:11:44 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

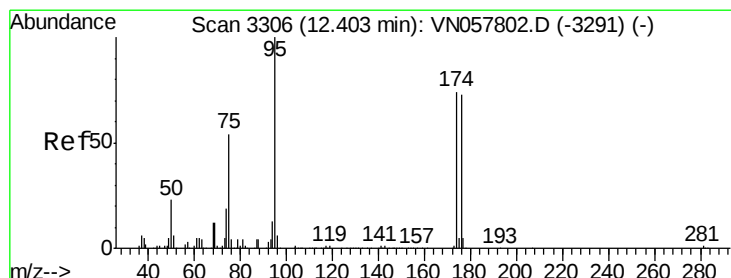
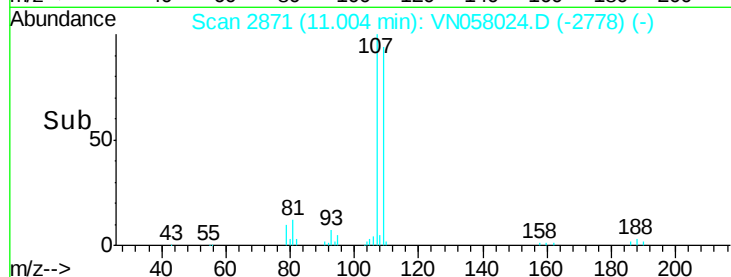
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.520 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

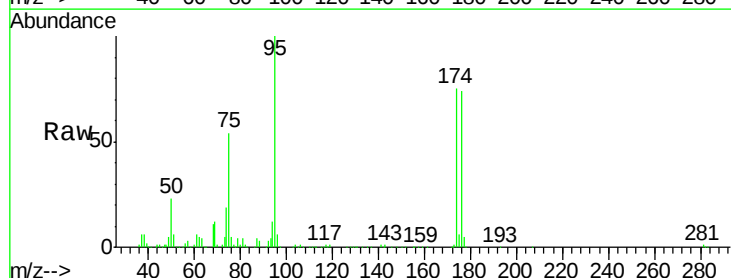
Tgt Ion: 95 Resp: 331568

Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.2

176 73.0 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

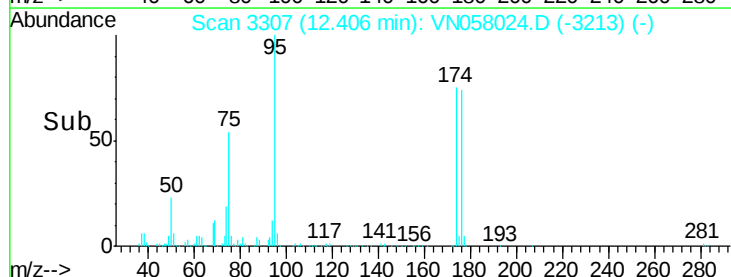
150000

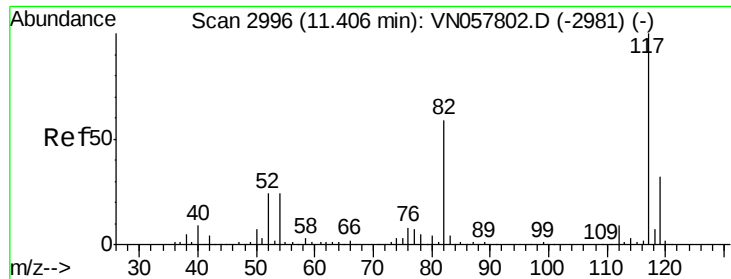
100000

50000

0

Time-->





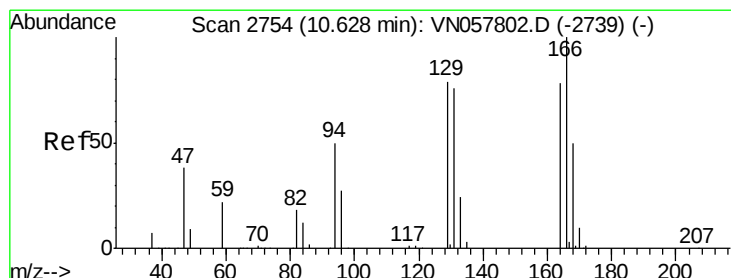
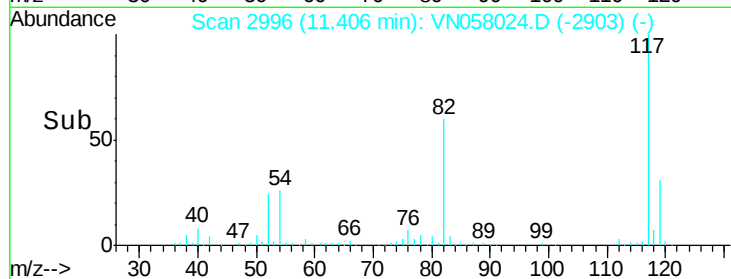
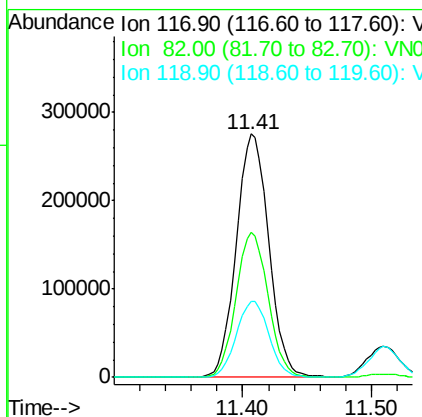
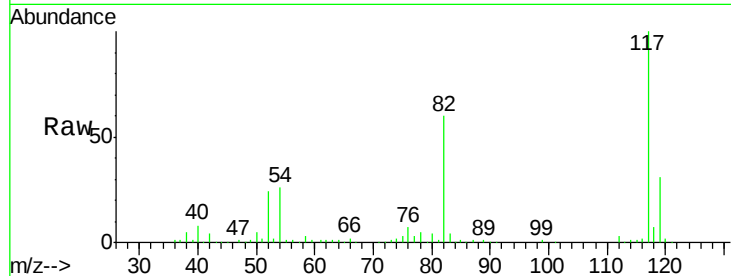
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	482955		
82	59.8	47.2	70.8	
119	31.3	25.3	37.9	

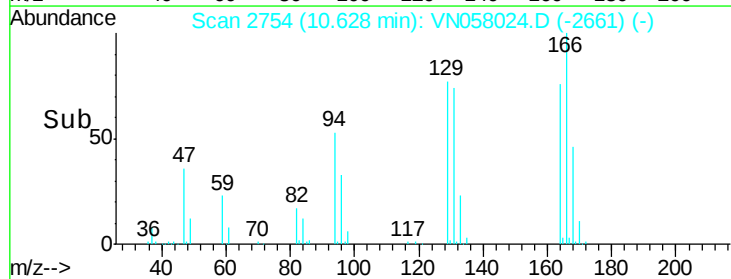
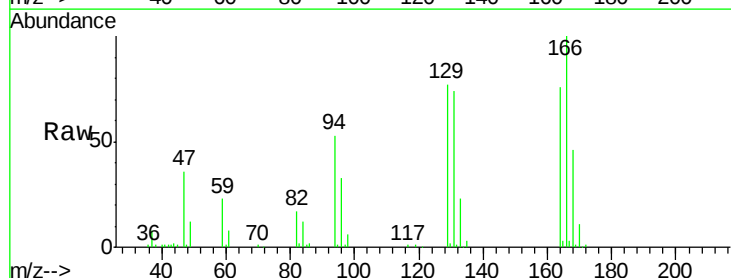
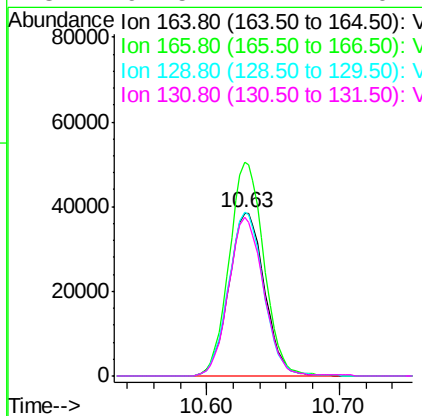
Manual Integrations
APPROVED

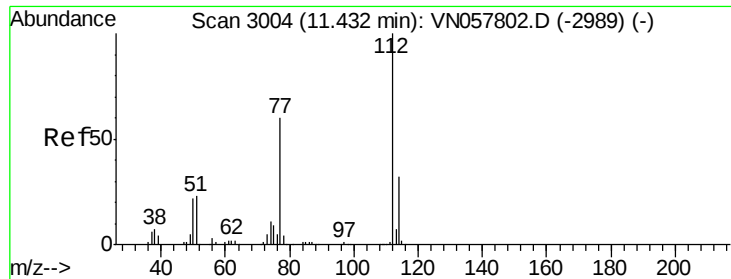
MMDadoda
9/16/2019 2:11:44 PM



#64
Tetrachloroethene
Concen: 20.069 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71564		
166	131.2	102.2	153.2	
129	100.5	80.8	121.2	
131	97.5	77.4	116.2	





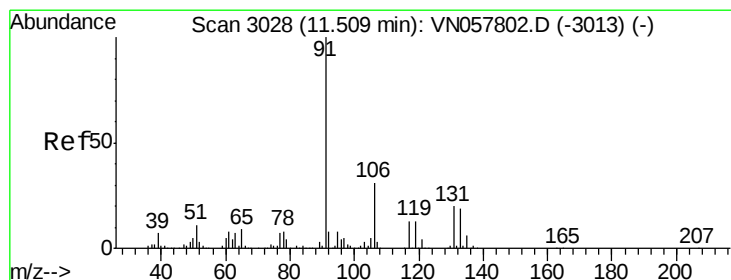
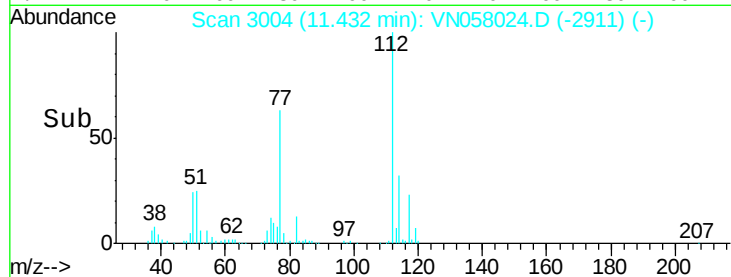
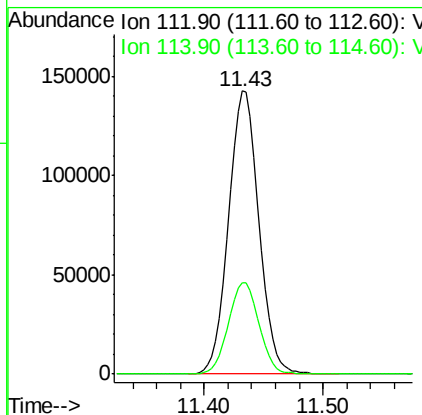
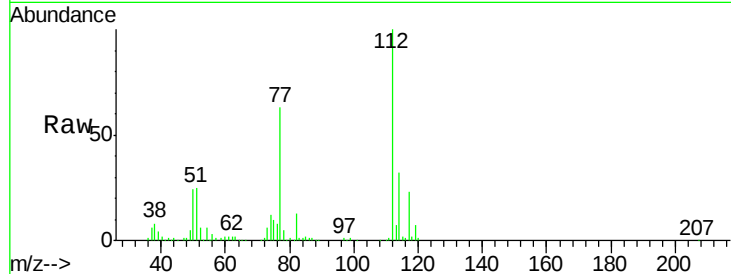
#65
Chlorobenzene
Concen: 19.910 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion:112 Resp: 251653
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8

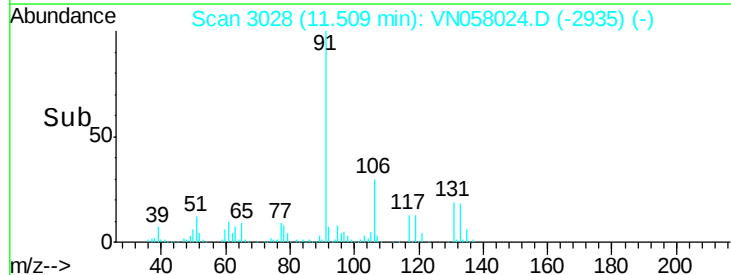
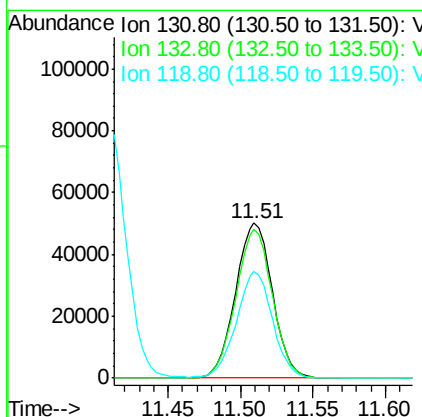
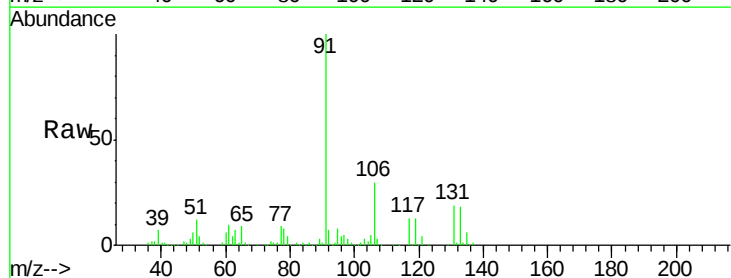
Manual Integrations
APPROVED

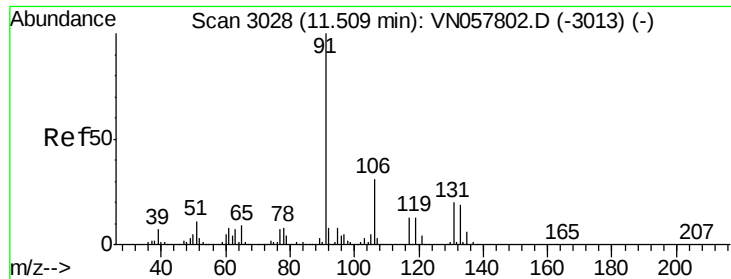
MMDadoda
9/16/2019 2:11:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.239 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion:131 Resp: 88763
Ion Ratio Lower Upper
131 100
133 94.7 47.1 141.3
119 67.4 33.3 99.8





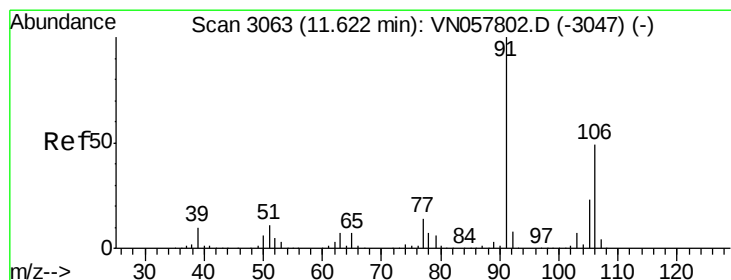
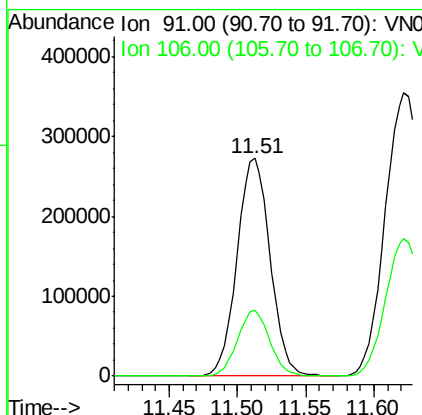
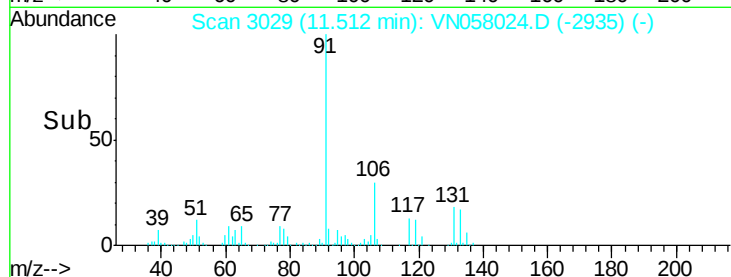
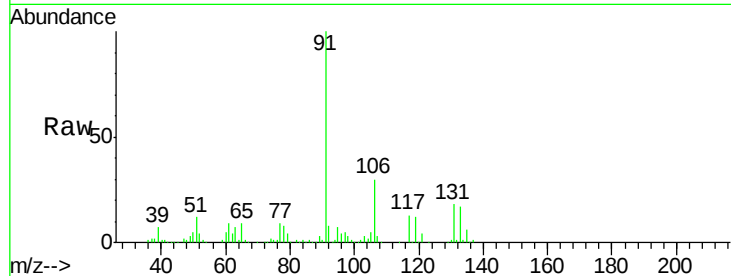
#67
Ethyl Benzene
Concen: 20.759 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion: 91 Resp: 459820
Ion Ratio Lower Upper
91 100
106 29.9 24.4 36.6

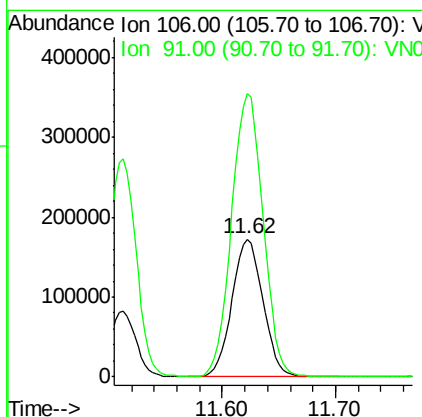
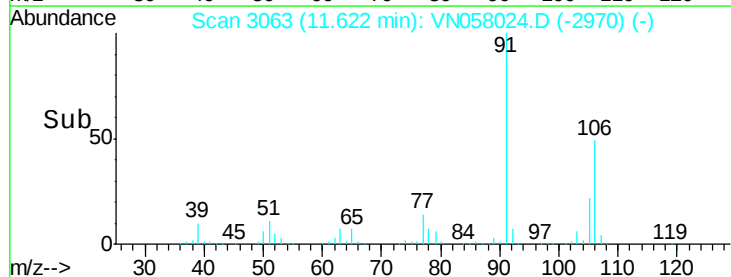
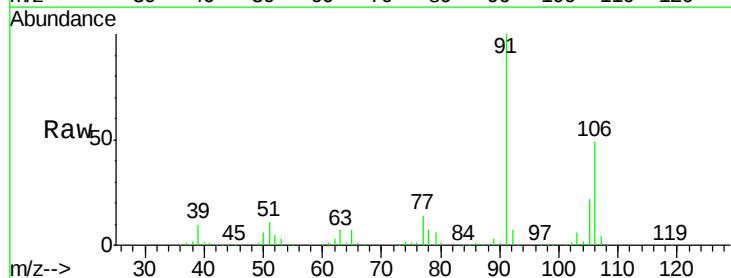
Manual Integrations
APPROVED

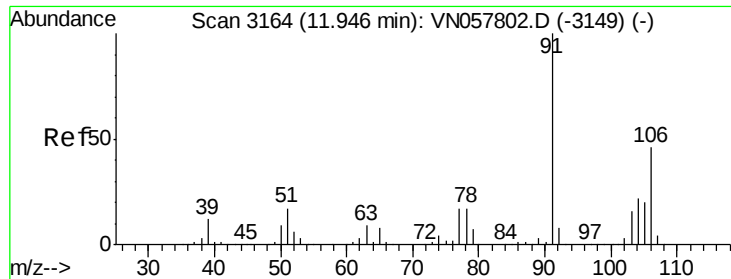
MMDadoda
9/16/2019 2:11:44 PM



#68
m/p-Xylenes
Concen: 40.530 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion: 106 Resp: 328857
Ion Ratio Lower Upper
106 100
91 209.0 165.8 248.6





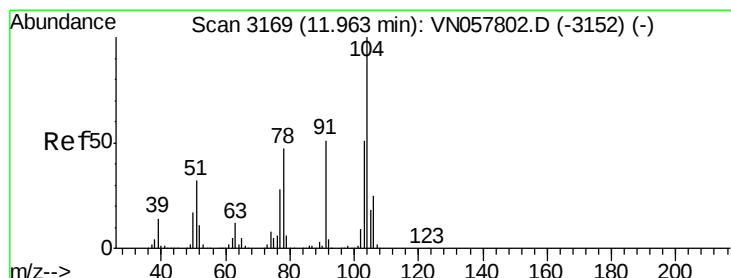
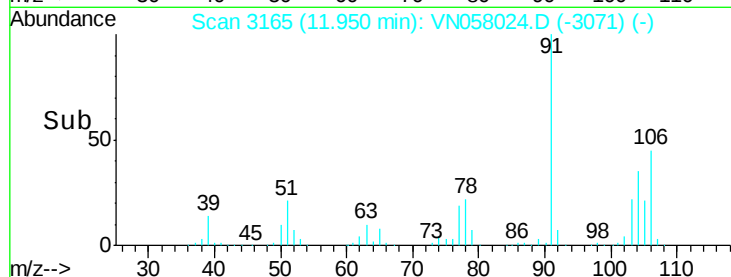
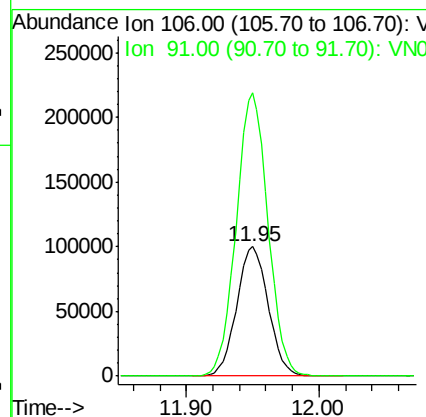
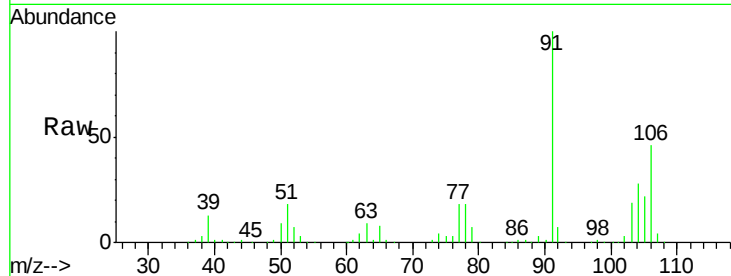
#69
o-Xylene
Concen: 20.499 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion:106 Resp: 165355
Ion Ratio Lower Upper
106 100
91 219.6 108.7 326.1

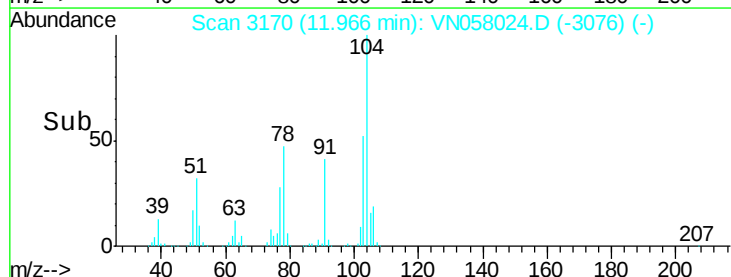
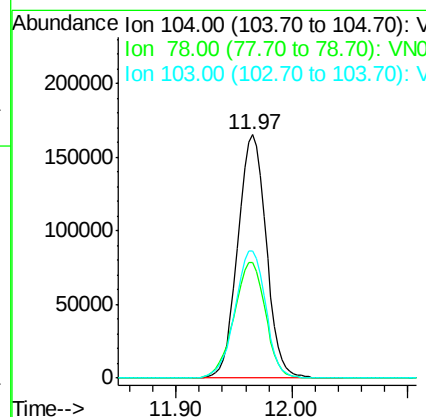
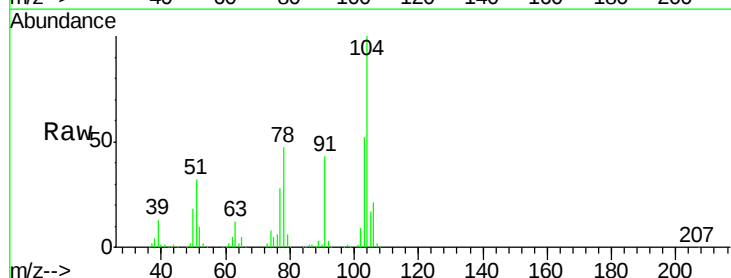
Manual Integrations
APPROVED

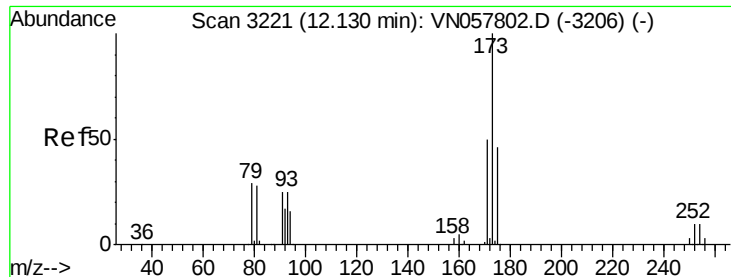
MMDadoda
9/16/2019 2:11:44 PM



#70
Styrene
Concen: 20.303 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion:104 Resp: 281851
Ion Ratio Lower Upper
104 100
78 52.4 41.3 61.9
103 56.3 43.7 65.5





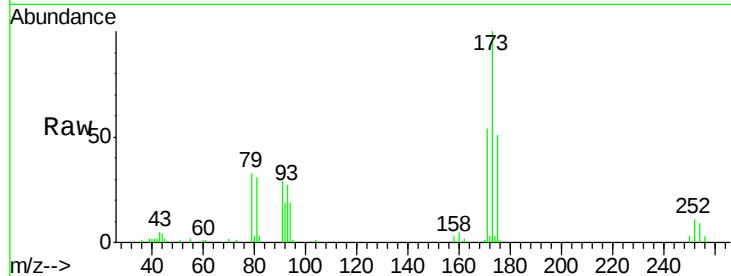
#71
Bromoform
Concen: 18.005 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

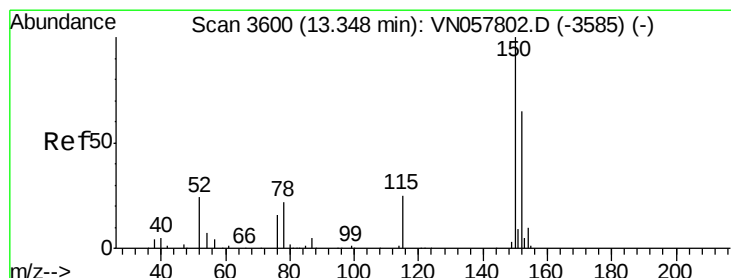
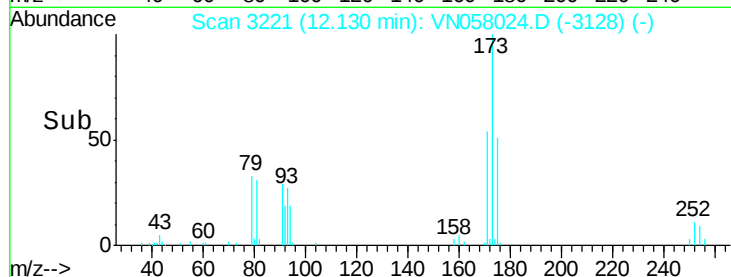
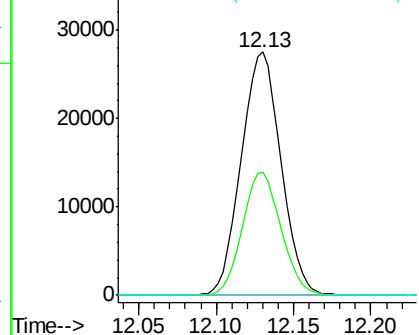
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.5	70.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM

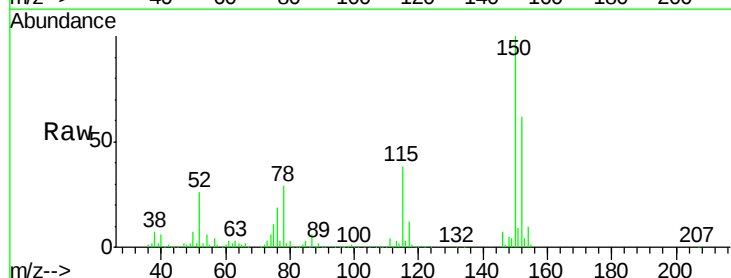


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

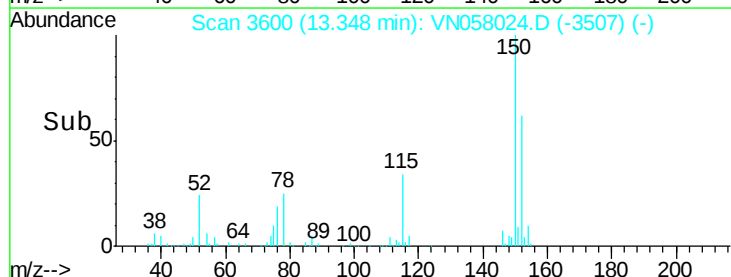
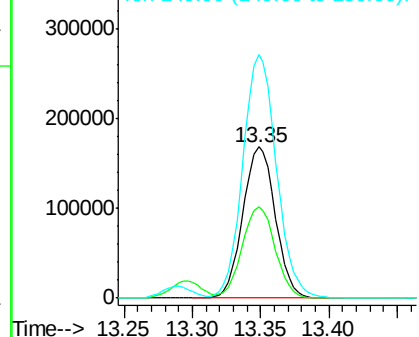


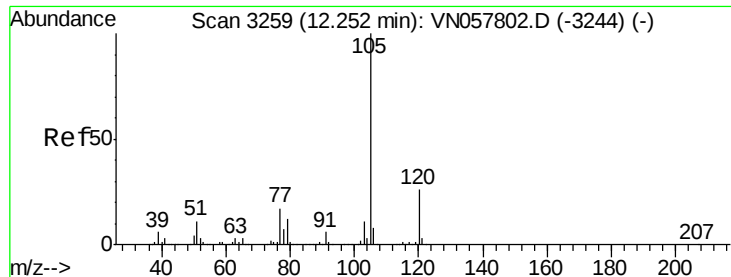
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.3	91.0
150	166.3	0.0	352.4



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: 21.113 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion:105 Resp: 456640

Ion Ratio Lower Upper

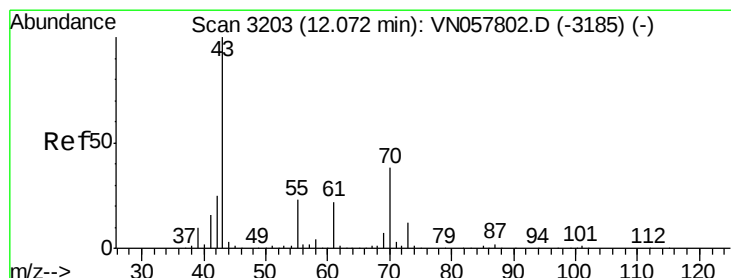
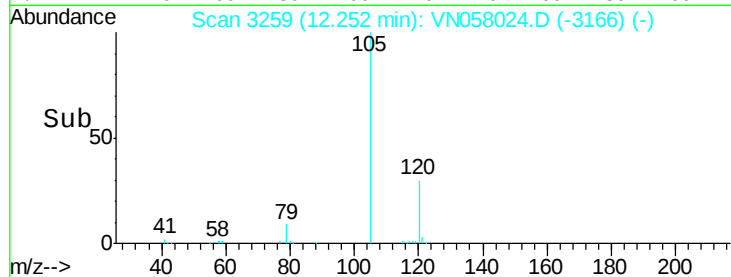
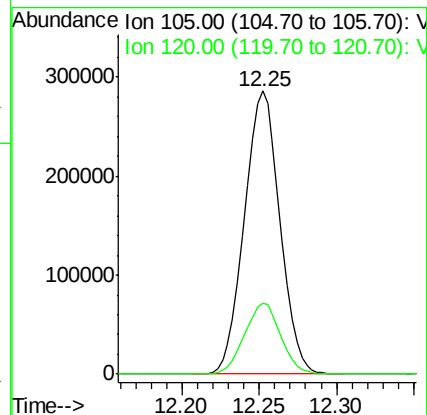
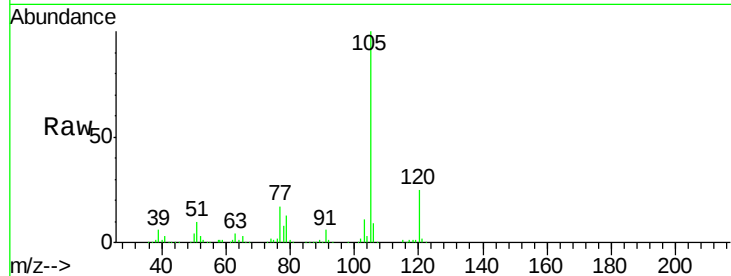
105 100

120 25.3 12.8 38.4

Manual Integrations
APPROVED

MMDadoda

9/16/2019 2:11:44 PM



#74

N-ethyl acetate

Concen: 19.201 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion: 43 Resp: 180736

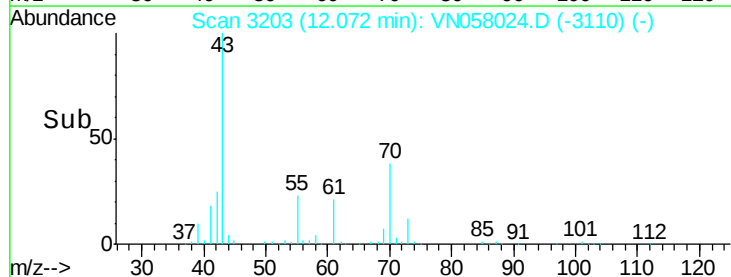
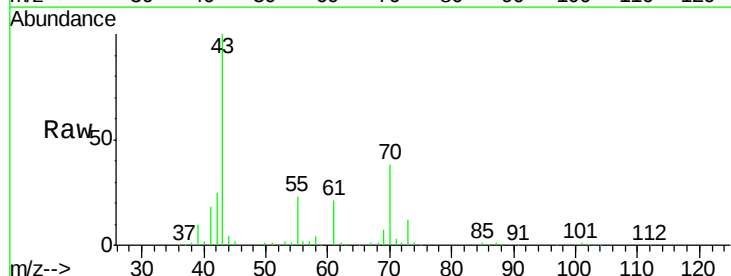
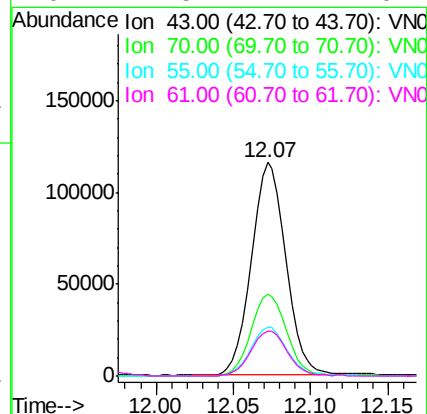
Ion Ratio Lower Upper

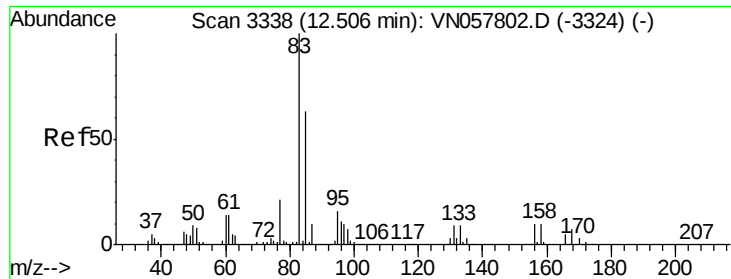
43 100

70 40.0 30.6 45.8

55 24.6 18.6 27.8

61 22.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.339 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

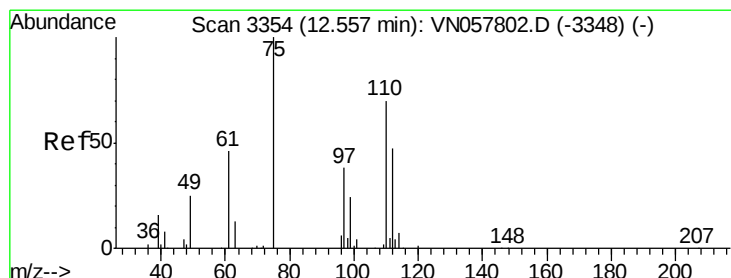
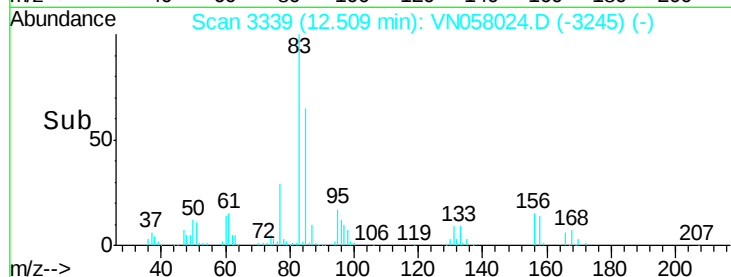
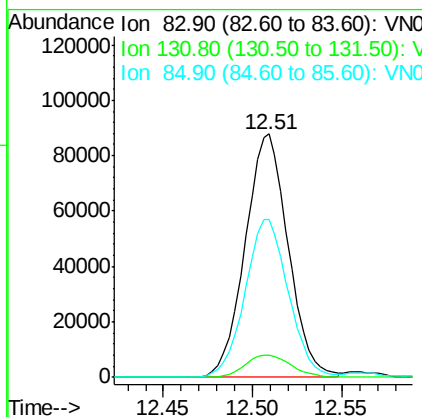
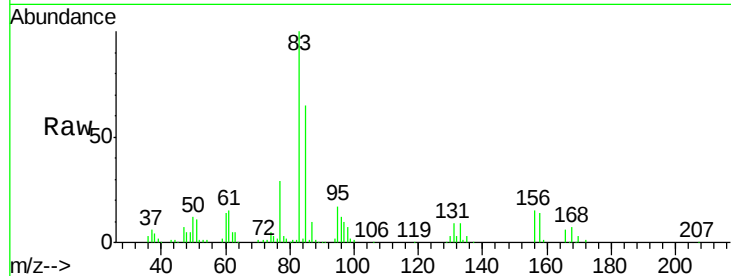
ClientSampleId :

VN0914WBS03

Tot Ion:	83	Resp:	148116
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.3
85	65.3	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM



#76

1,2,3-Trichloropropane

Concen: 20.916 ug/l m

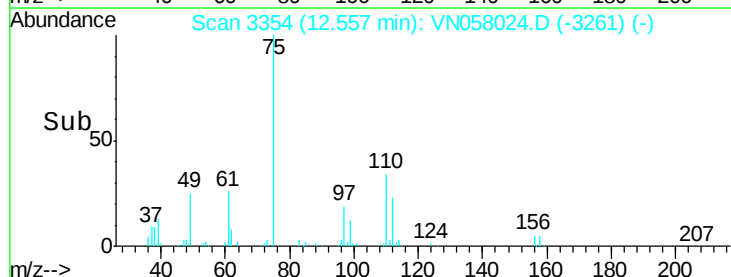
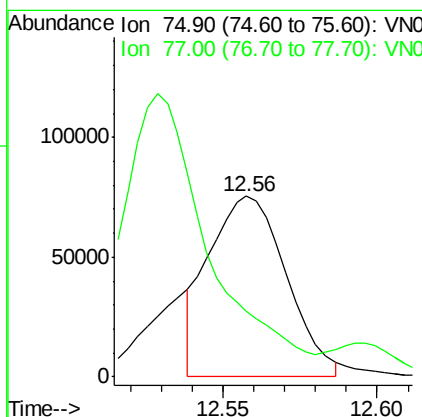
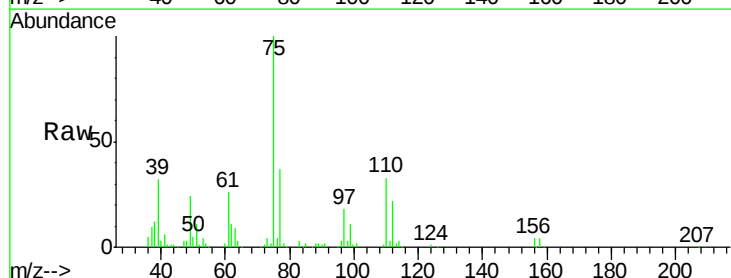
RT: 12.56 min Scan# 3354

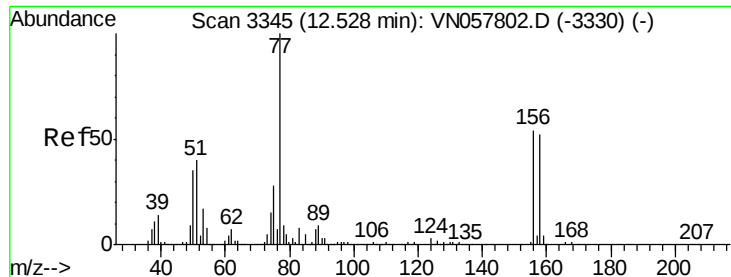
Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion:	75	Resp:	131883
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.674 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion:156 Resp: 106088

Ion Ratio Lower Upper

156 100

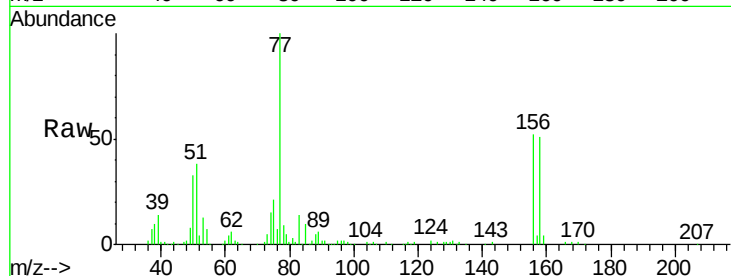
77 223.1 113.7 341.1

158 97.2 48.5 145.6

Manual Integrations
APPROVED

MMDadoda

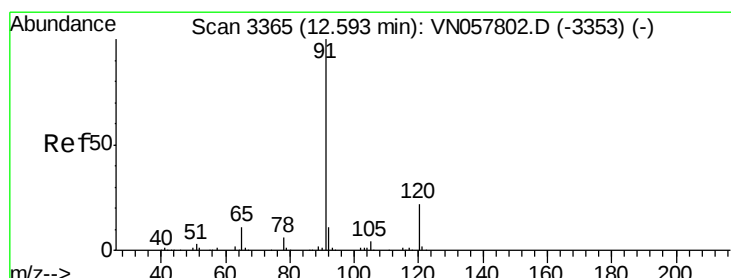
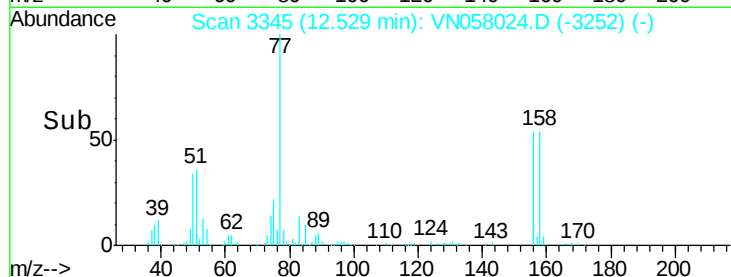
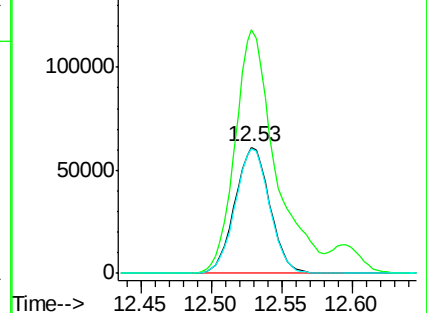
9/16/2019 2:11:44 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.333 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058024.D

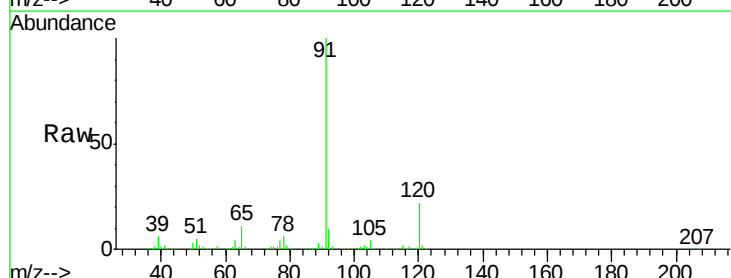
Acq: 13 Sep 2019 18:17

Tgt Ion: 91 Resp: 529821

Ion Ratio Lower Upper

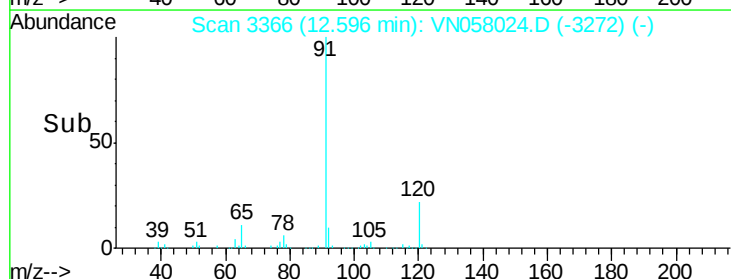
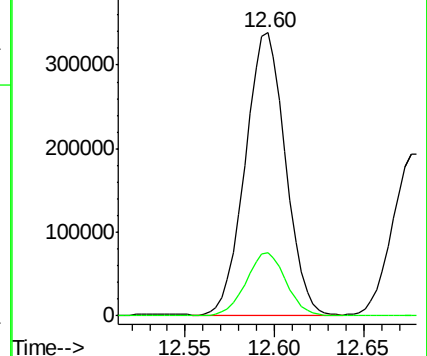
91 100

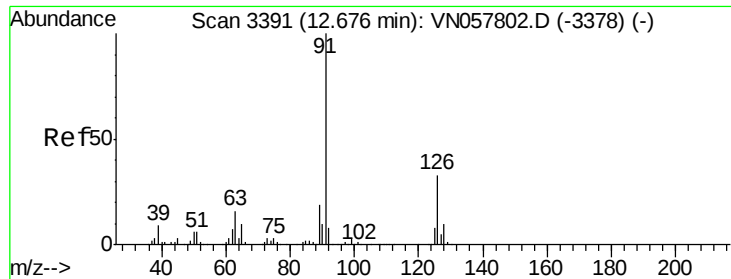
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.171 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion: 91 Resp: 316623

Ion Ratio Lower Upper

91 100

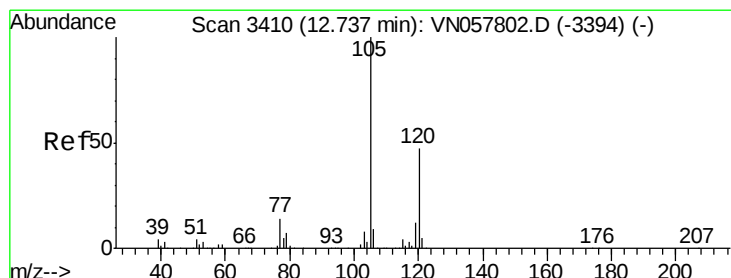
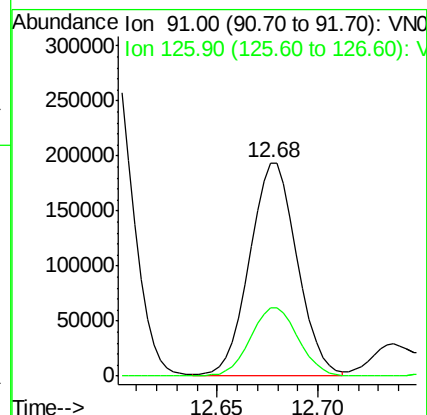
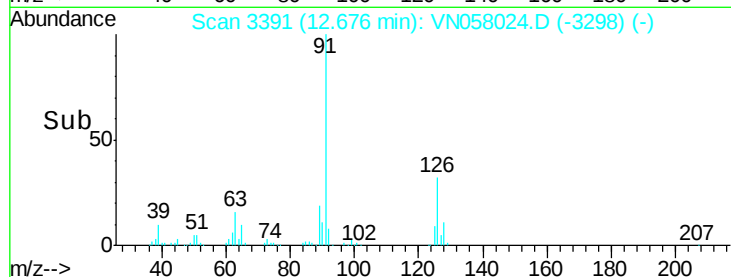
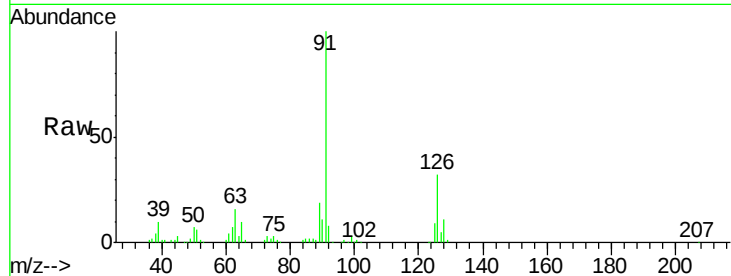
126 32.6 16.4 49.2

Manual Integrations

APPROVED

MMDadoda

9/16/2019 2:11:44 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.173 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058024.D

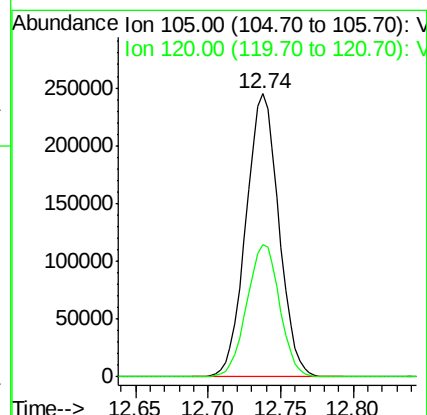
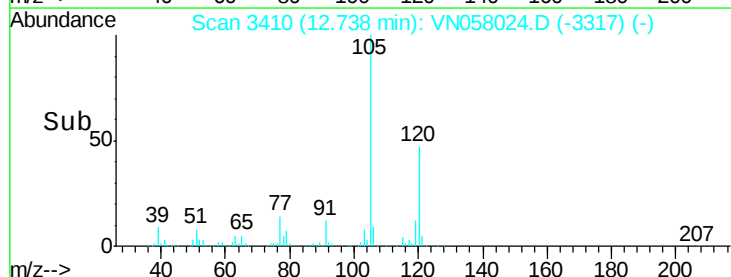
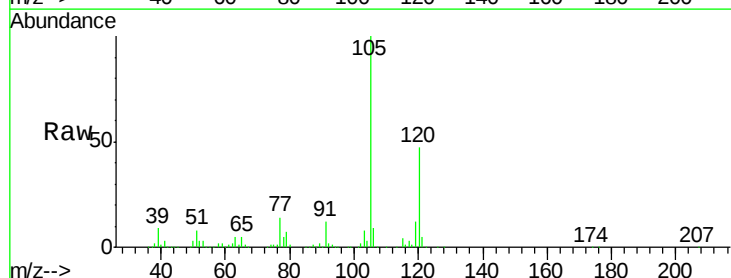
Acq: 13 Sep 2019 18:17

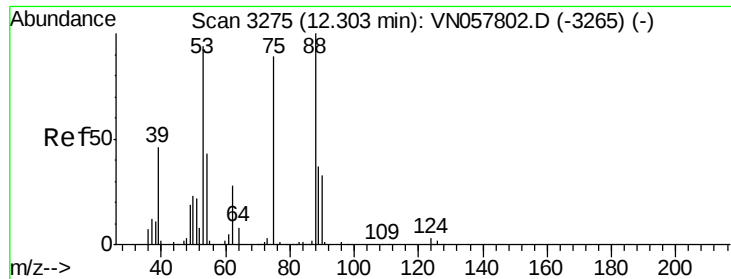
Tgt Ion: 105 Resp: 386927

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1





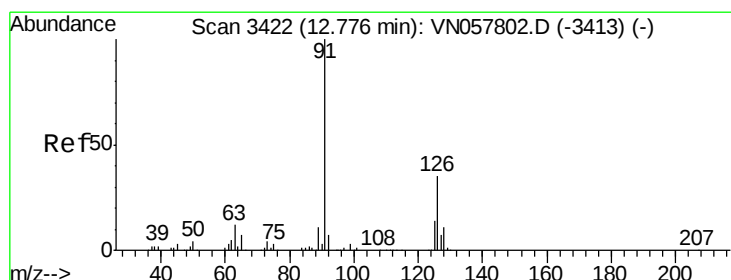
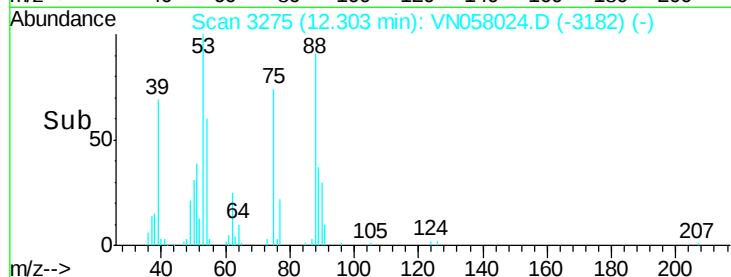
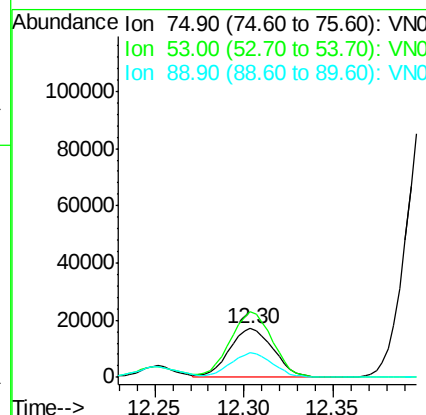
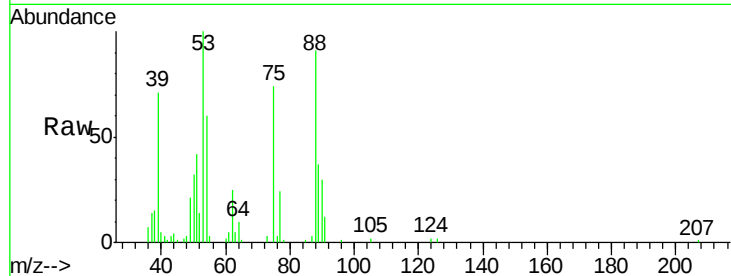
#81
trans-1,4-Dichloro-2-butene
Concen: 16.451 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.4	88.4	132.6
89	47.2	35.3	52.9

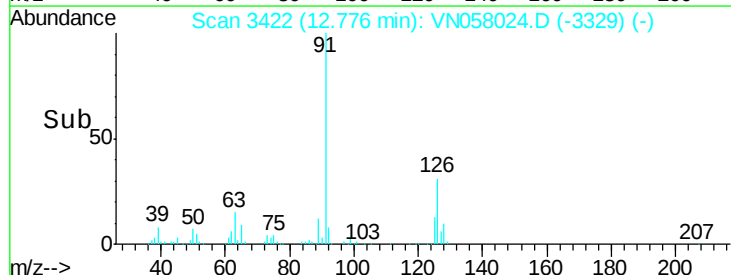
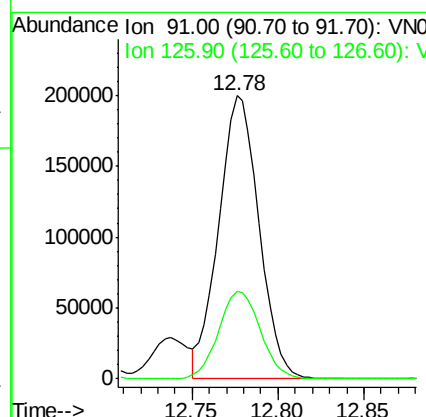
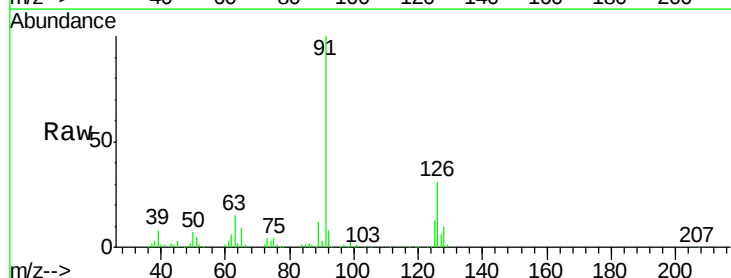
Manual Integrations
APPROVED

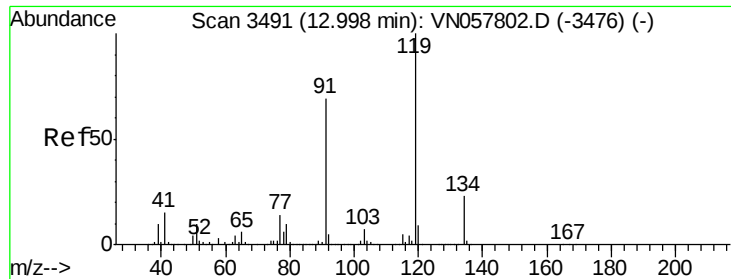
MMDadoda
9/16/2019 2:11:44 PM



#82
4-Chlorotoluene
Concen: 20.129 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	48.0





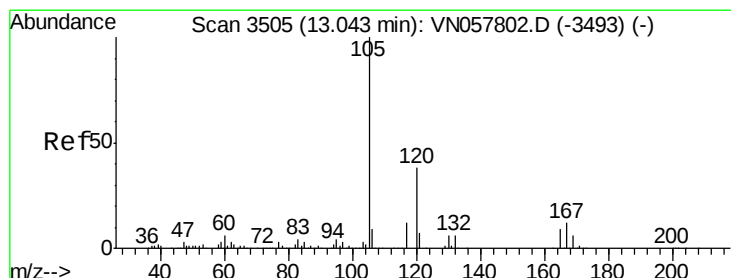
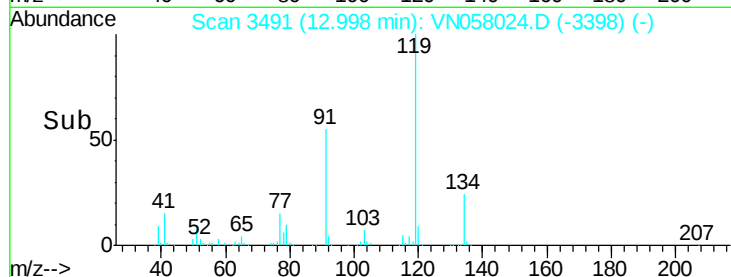
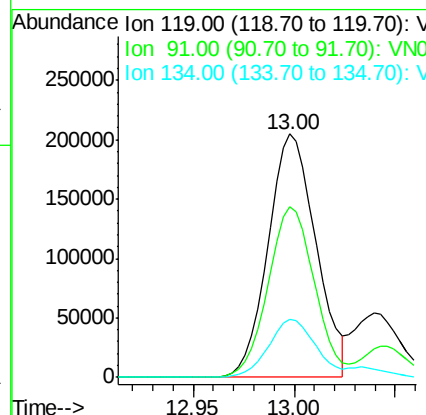
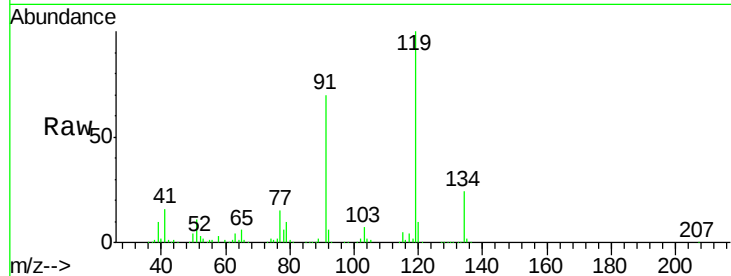
#83
tert-Butylbenzene
Concen: 20.764 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.6	100.8
134	23.2	11.7	35.0

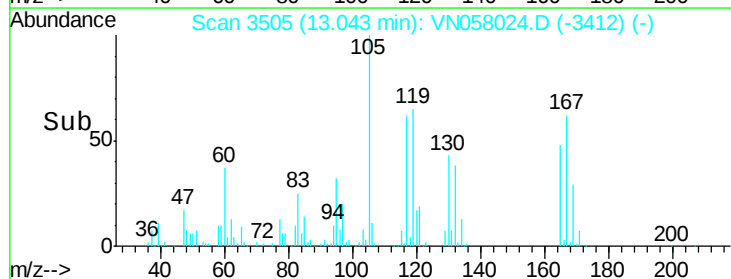
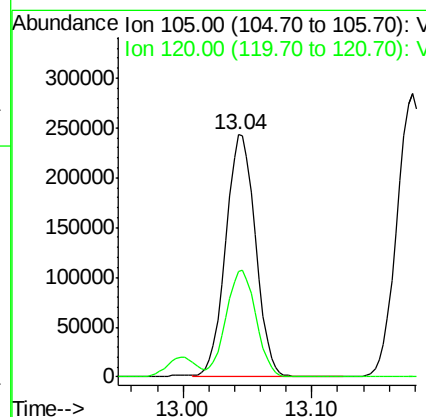
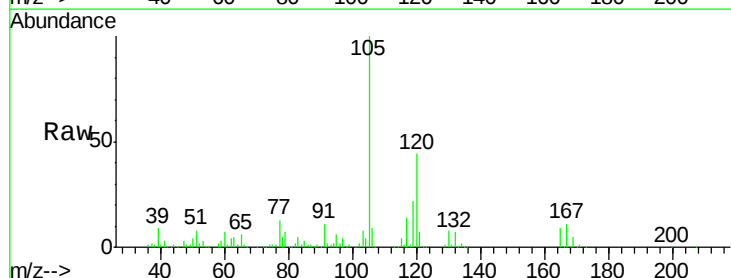
Manual Integrations
APPROVED

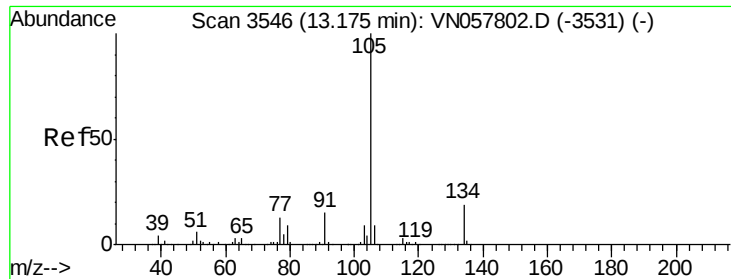
MMDadoda
9/16/2019 2:11:44 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.964 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.4	67.2





#85

sec-Butylbenzene

Concen: 21.188 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

ClientSampleId :

VN0914WBS03

Tot Ion:105 Resp: 456183

Ion Ratio Lower Upper

105 100

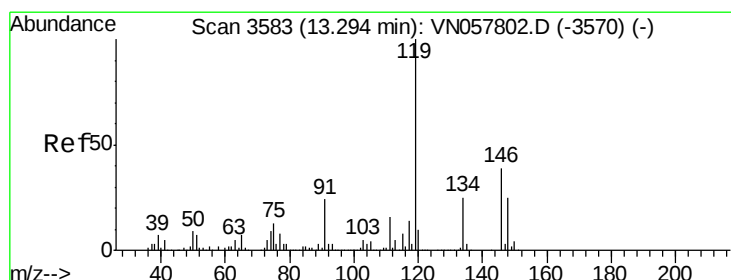
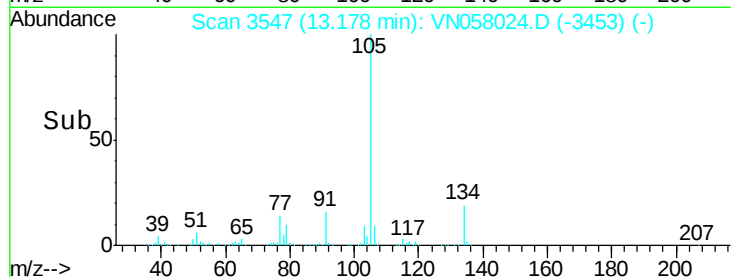
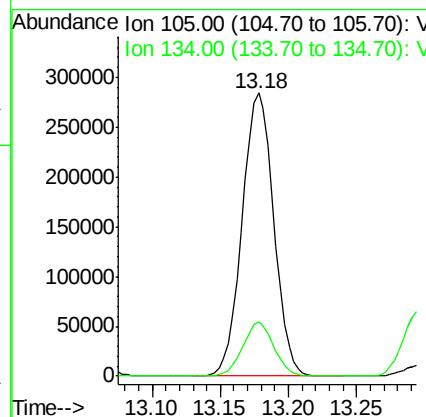
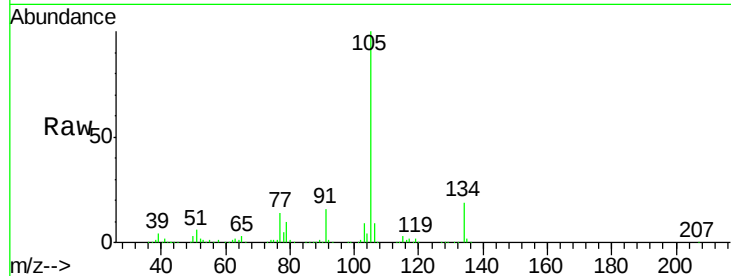
134 18.7 9.6 28.6

Manual Integrations

APPROVED

MMDadoda

9/16/2019 2:11:44 PM



#86

p-Isopropyltoluene

Concen: 20.892 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

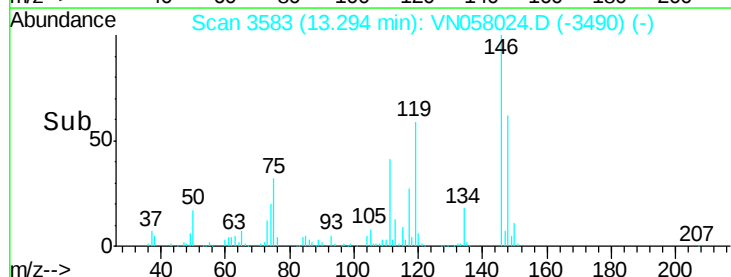
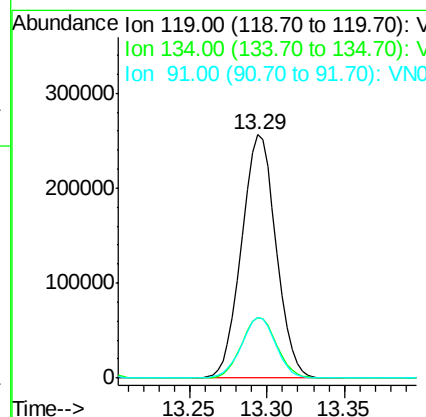
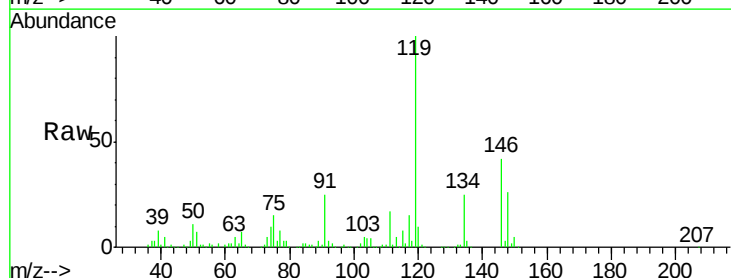
Tgt Ion:119 Resp: 396340

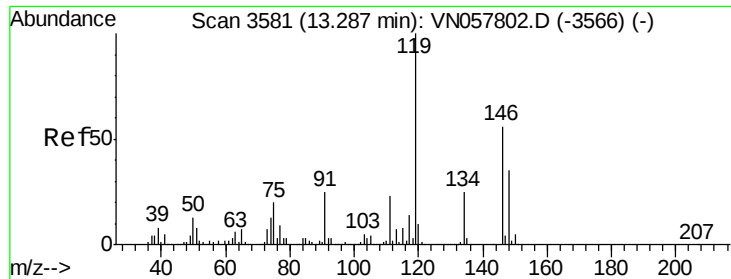
Ion Ratio Lower Upper

119 100

134 25.4 12.5 37.5

91 24.8 12.3 36.8





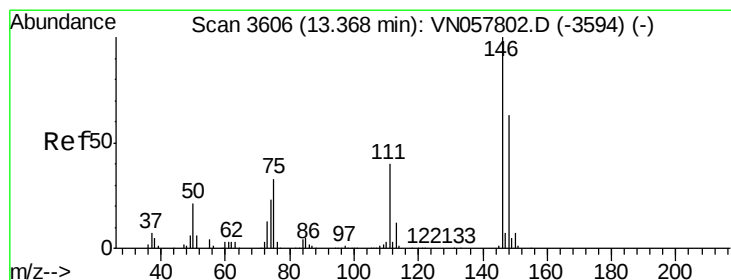
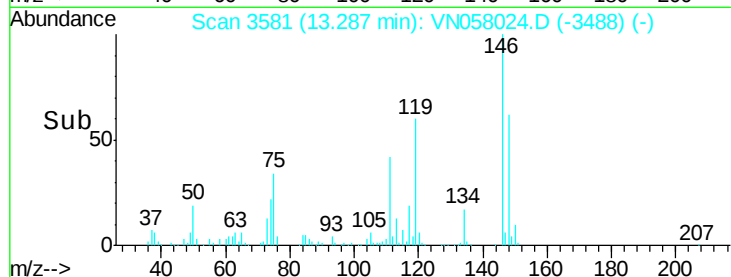
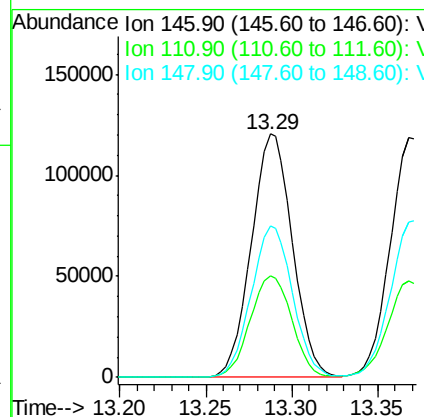
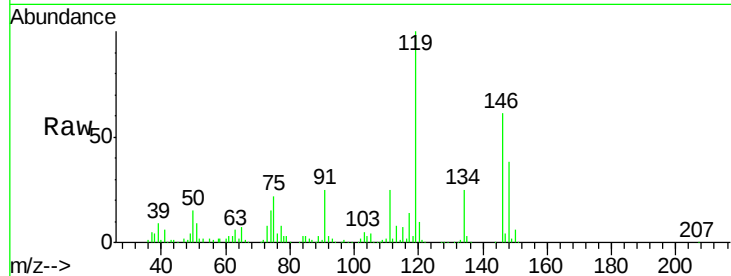
#87
 1,3-Dichlorobenzene
 Concen: 20.152 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199463		
111	42.3	20.5	61.6	
148	62.4	31.5	94.5	

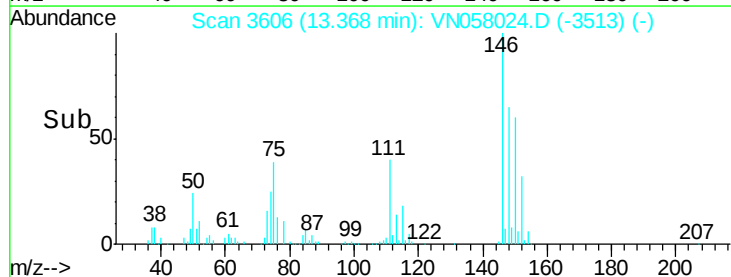
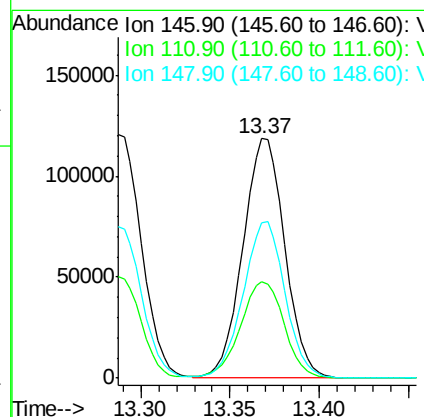
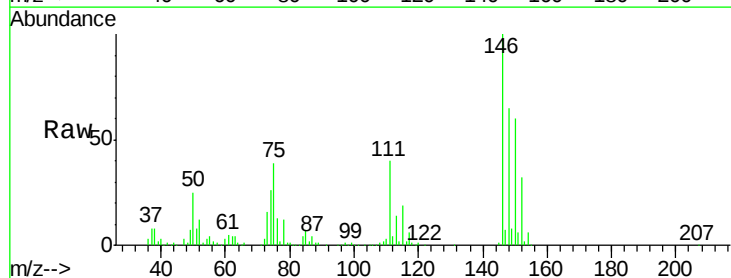
Manual Integrations
 APPROVED

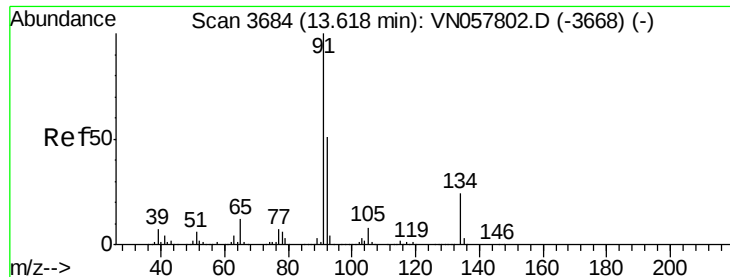
MMDadoda
 9/16/2019 2:11:44 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.141 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	192303		
111	42.7	20.4	61.2	
148	66.3	31.8	95.4	





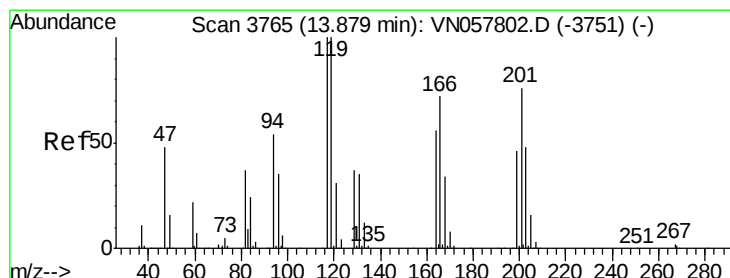
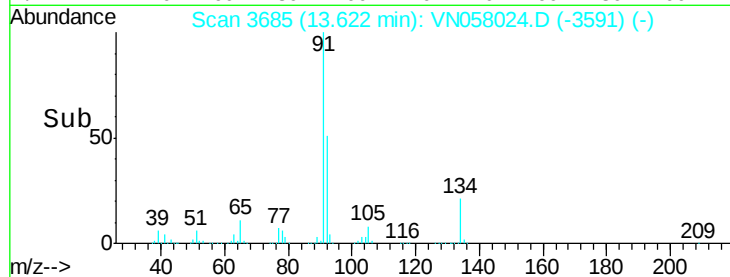
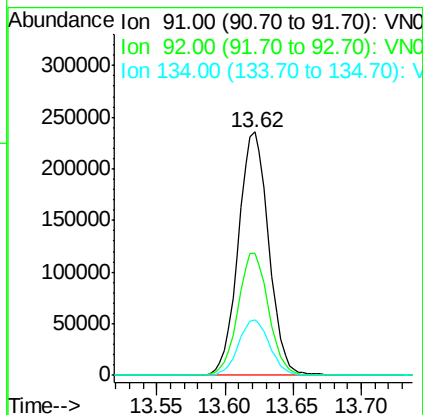
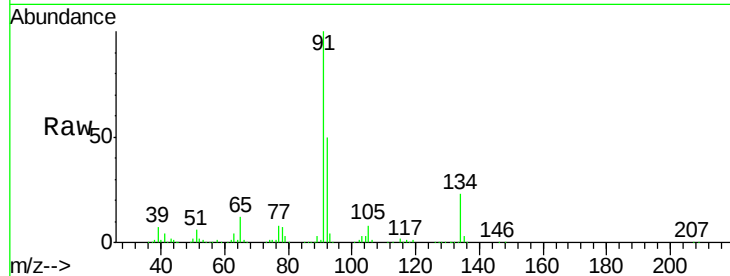
#89
n-Butylbenzene
Concen: 20.350 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Instrument :
MSVOA_N
ClientSampleId :
VN0914WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.7	77.0
134	23.4	11.9	35.7

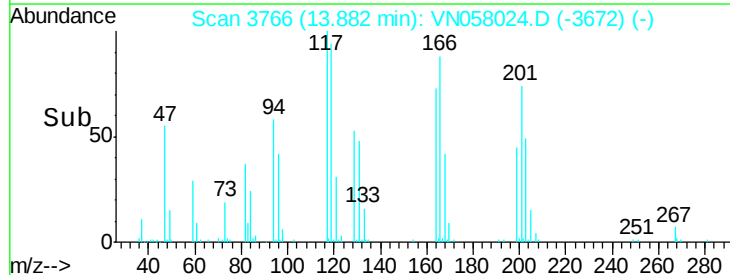
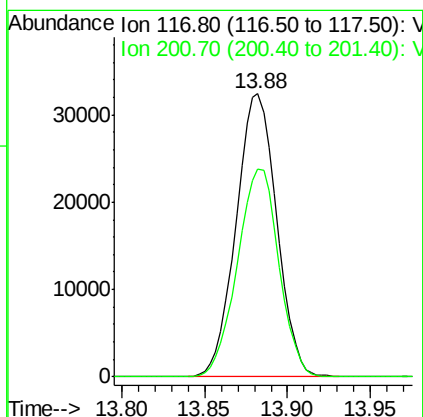
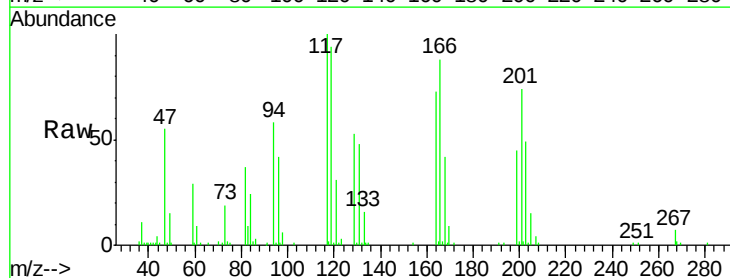
Manual Integrations
APPROVED

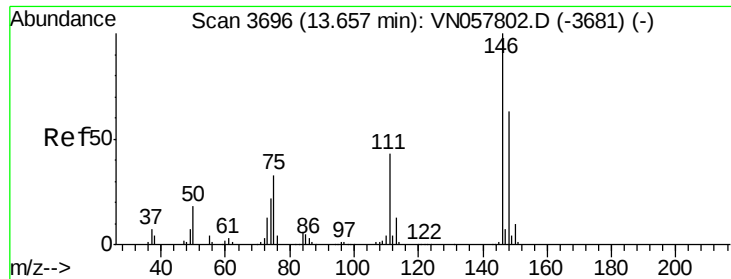
MMDadoda
9/16/2019 2:11:44 PM



#90
Hexachloroethane
Concen: 19.561 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058024.D
Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.1	37.5	112.7





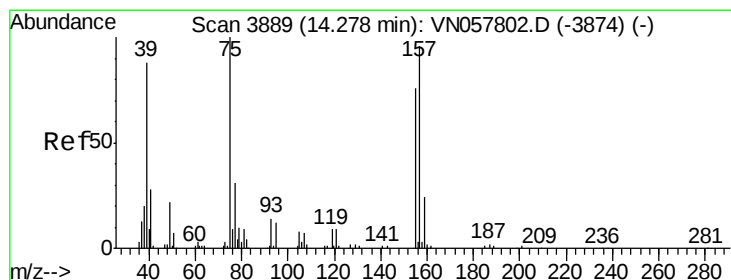
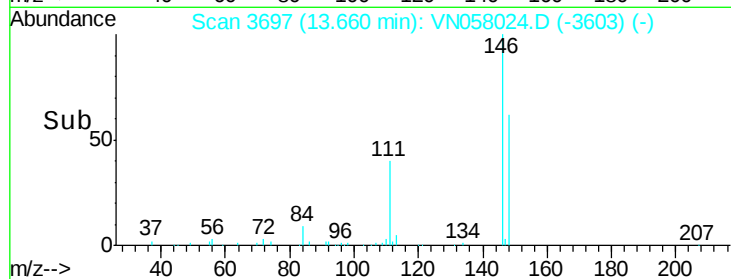
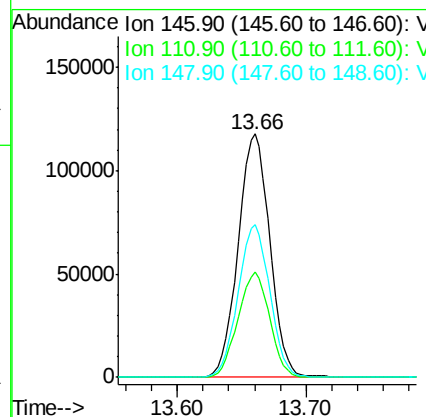
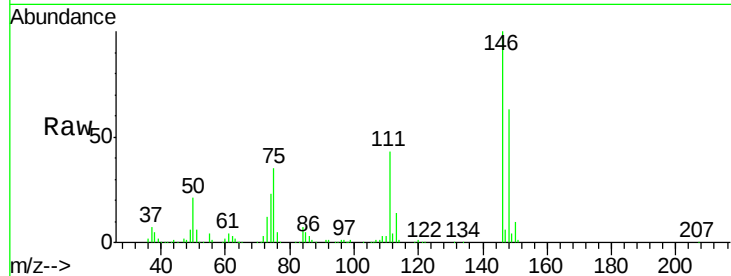
#91
 1,2-Dichlorobenzene
 Concen: 20.374 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	62.7	31.4	94.3

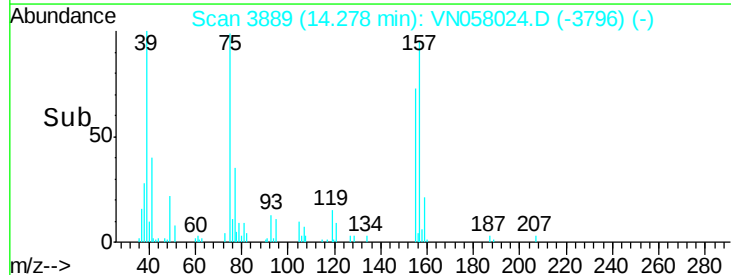
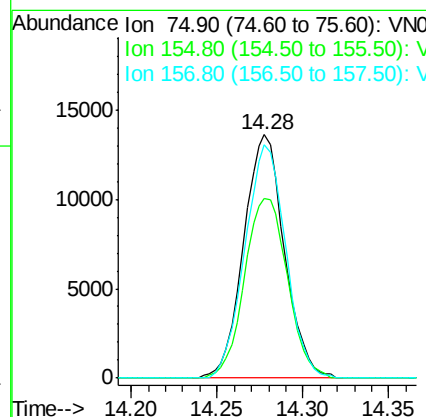
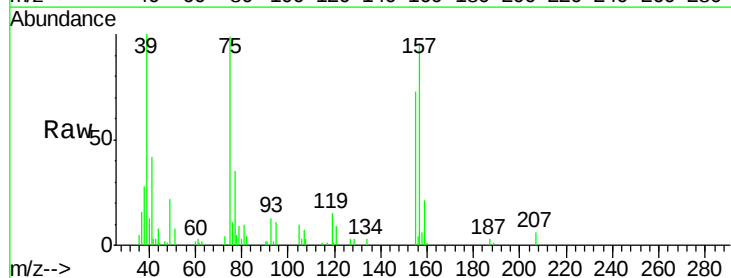
Manual Integrations
 APPROVED

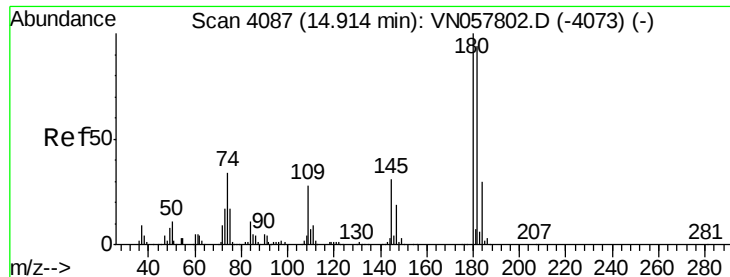
MMDadoda
 9/16/2019 2:11:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.650 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	37.3	111.8
157	95.8	47.9	143.8





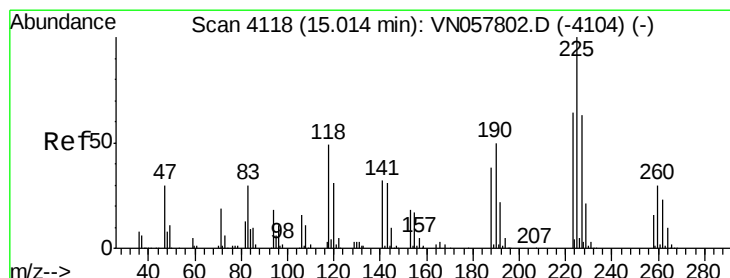
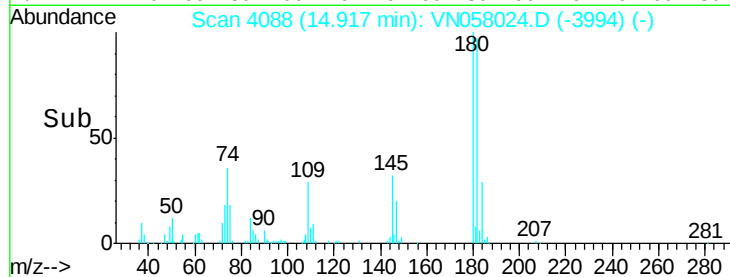
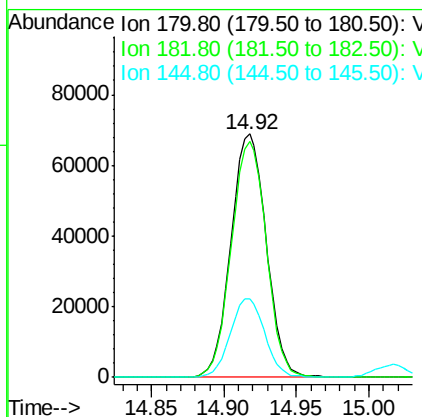
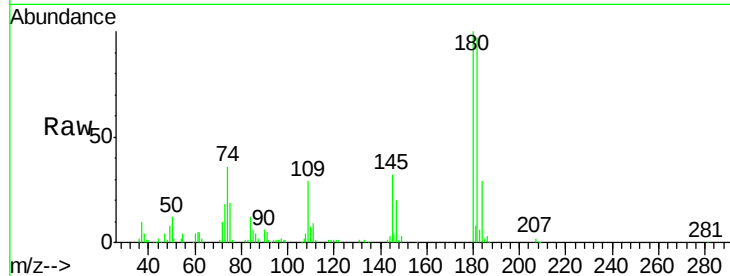
#93
 1,2,4-Trichlorobenzene
 Concen: 18.016 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	116441		
182	96.0	46.9	140.8	
145	31.6	14.9	44.7	

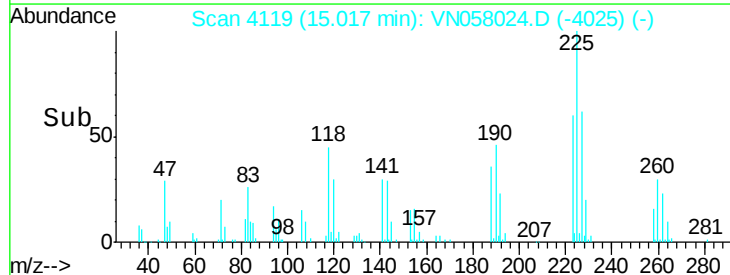
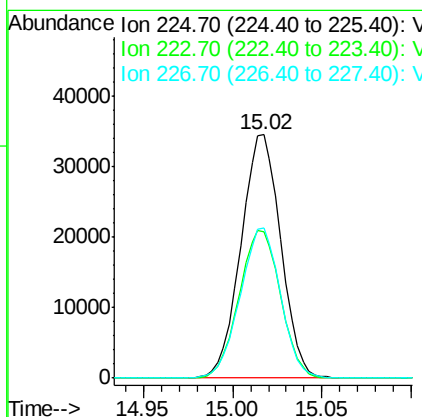
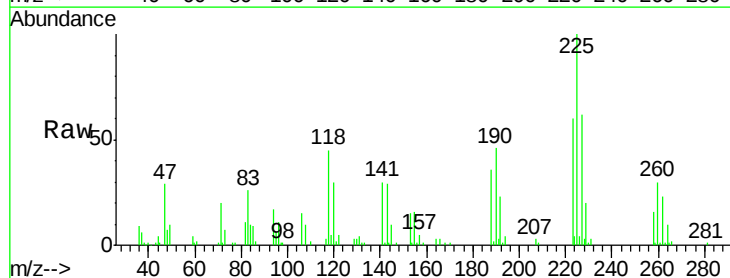
Manual Integrations
 APPROVED

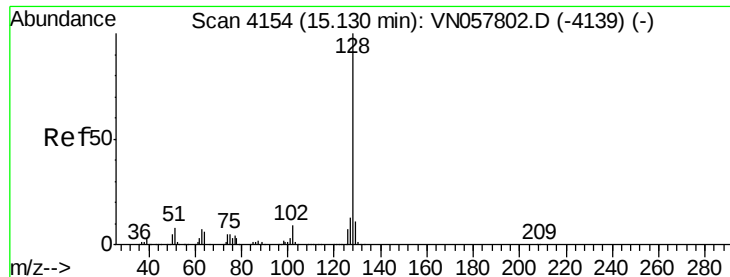
MMDadoda
 9/16/2019 2:11:44 PM



#94
 Hexachlorobutadiene
 Concen: 19.622 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058024.D
 Acq: 13 Sep 2019 18:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53758		
223	62.8	32.4	97.2	
227	62.4	31.8	95.4	





#95

Naphthalene

Concen: 18.685 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Instrument :

MSVOA_N

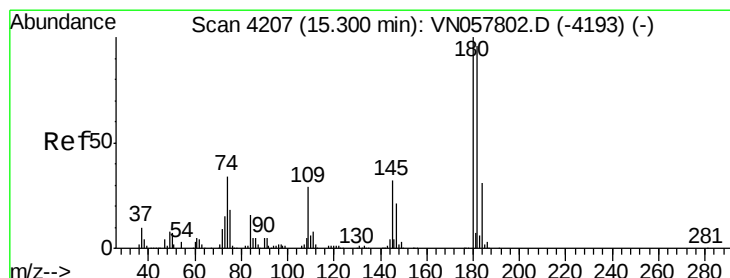
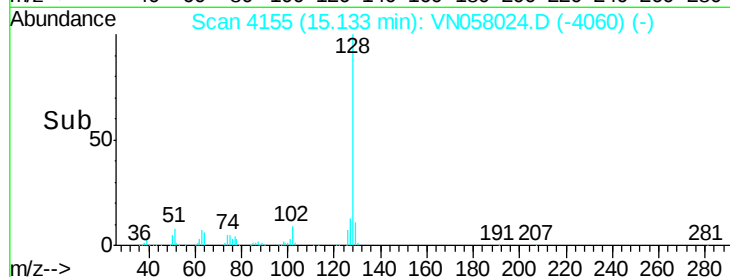
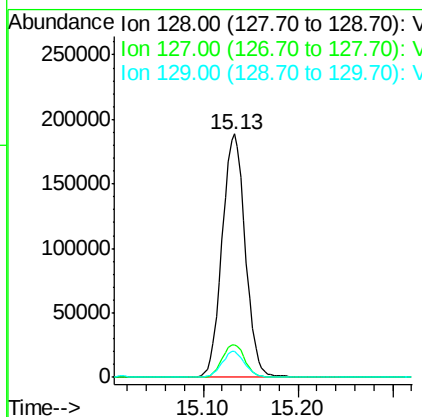
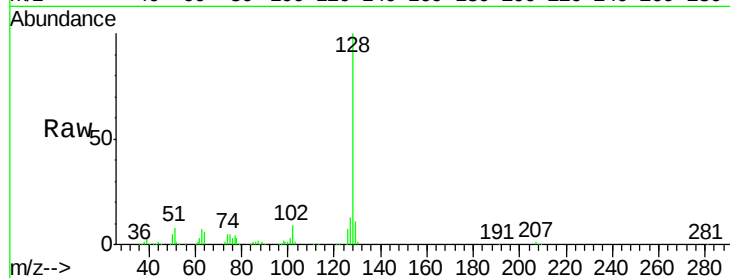
ClientSampleId :

VN0914WBS03

Tot Ion:	128	Resp:	320930
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 2:11:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.263 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058024.D

Acq: 13 Sep 2019 18:17

Tgt Ion:	180	Resp:	110913
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.3	144.8
145	32.3	16.3	48.8

