

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055442.D
 Acq On : 7 May 2019 17:10
 Operator : JC/SP
 Sample : K2658-23MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 EP1-PZ-W4-5MS

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:22:23 AM

Quant Time: May 08 07:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	373309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	601775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	529565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	232884	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	255684	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
35) Dibromofluoromethane	7.59	113	201297	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	10.09	98	707571	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	251055	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	207246	45.311	ug/l	100
3) Chloromethane	2.06	50	244943	43.249	ug/l	100
4) Vinyl Chloride	2.19	62	198327	43.442	ug/l	100
5) Bromomethane	2.55	94	111059	45.926	ug/l	94
6) Chloroethane	2.70	64	115581	46.734	ug/l	98
7) Trichlorofluoromethane	3.02	101	303744	46.790	ug/l	99
8) Diethyl Ether	3.41	74	123613	54.426	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	187104	48.401	ug/l	99
10) Methyl Iodide	3.96	142	250350	46.018	ug/l	100
11) Tert butyl alcohol	4.79	59	115595	413.420	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	173831	47.138	ug/l	98
13) Acrolein	3.61	56	73312	335.735	ug/l	100
14) Allyl chloride	4.33	41	396481	51.912	ug/l	98
15) Acrylonitrile	4.99	53	502523	319.744	ug/l	100
16) Acetone	3.82	43	406599	267.199	ug/l	98
17) Carbon Disulfide	4.06	76	428122	44.486	ug/l	100
18) Methyl Acetate	4.33	43	244808	66.380	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	610581	58.897	ug/l	100
20) Methylene Chloride	4.55	84	216309	46.571	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	183436	46.969	ug/l	98
22) Diisopropyl ether	5.96	45	849460	55.977	ug/l	99
23) Vinyl Acetate	5.90	43	2813793	282.916	ug/l	99
24) 1,1-Dichloroethane	5.85	63	414312	51.242	ug/l	99
25) 2-Butanone	6.84	43	645051	331.464	ug/l	99
26) 2,2-Dichloropropane	6.83	77	266254	47.687	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	232396	52.326	ug/l	99
28) Bromochloromethane	7.20	49	201918	49.543	ug/l	98
29) Tetrahydrofuran	7.21	42	436939	350.640	ug/l	98
30) Chloroform	7.37	83	392862	51.257	ug/l	99
31) Cyclohexane	7.66	56	349045	45.437	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	315370	50.698	ug/l	99
36) 1,1-Dichloropropene	7.80	75	274794	47.674	ug/l	99
37) Ethyl Acetate	6.93	43	260414	58.948	ug/l	98
38) Carbon Tetrachloride	7.78	117	258175	46.432	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055442.D
 Acq On : 7 May 2019 17:10
 Operator : JC/SP
 Sample : K2658-23MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:22:23 AM

Quant Time: May 08 07:03:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	307463	50.170	ug/l	99
40) Benzene	8.04	78	844562	49.703	ug/l	99
41) Methacrylonitrile	7.18	41	140103	58.471	ug/l	93
42) 1,2-Dichloroethane	8.13	62	314723	52.295	ug/l	100
43) Isopropyl Acetate	8.17	43	451517	63.599	ug/l #	90
44) Trichloroethene	8.84	130	210683	48.637	ug/l	97
45) 1,2-Dichloropropane	9.12	63	250705	51.156	ug/l	99
46) Dibromomethane	9.21	93	140619	52.493	ug/l	99
47) Bromodichloromethane	9.40	83	297648	51.793	ug/l	98
48) Methyl methacrylate	9.20	41	226344	64.853	ug/l	99
49) 1,4-Dioxane	9.20	88	53449	1481.465	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1397089	349.525	ug/l	99
52) Toluene	10.16	92	498437	51.124	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	290010	58.132	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	339250	54.541	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	201764	55.730	ug/l	98
56) Ethyl methacrylate	10.43	69	290773	65.252	ug/l	99
57) 1,3-Dichloropropane	10.71	76	352840	55.555	ug/l	99
59) 2-Hexanone	10.75	43	895284	357.980	ug/l	98
60) Dibromochloromethane	10.90	129	211028	57.031	ug/l	99
61) 1,2-Dibromoethane	11.01	107	194434	58.104	ug/l	99
64) Tetrachloroethene	10.63	164	194942	45.014	ug/l	99
65) Chlorobenzene	11.43	112	517367	49.969	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	203872	50.287	ug/l	99
67) Ethyl Benzene	11.51	91	1022926	54.712	ug/l	98
68) m/p-Xylenes	11.62	106	696452	104.358	ug/l	100
69) o-Xylene	11.95	106	354234	53.552	ug/l	99
70) Stvrene	11.96	104	576955	56.808	ug/l	99
71) Bromoform	12.13	173	134500	59.788	ug/l #	97
73) Isopropylbenzene	12.25	105	1093172	59.600	ug/l	100
74) N-amyl acetate	12.07	43	366852	61.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	267920	58.612	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	239189m	55.535	ug/l	
77) Bromobenzene	12.53	156	223004	50.207	ug/l	96
78) n-propylbenzene	12.59	91	1344954	56.222	ug/l	100
79) 2-Chlorotoluene	12.67	91	653733	51.897	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1990943	109.049	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63307	51.515	ug/l	95
82) 4-Chlorotoluene	12.77	91	633659	45.557	ug/l	98
83) tert-Butylbenzene	12.99	119	803368	62.918	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3699928	226.594	ug/l	99
85) sec-Butylbenzene	13.17	105	1392847	70.190	ug/l	94
86) p-Isopropyltoluene	13.29	119	881119	54.023	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	380777	48.862	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	366429	49.930	ug/l	100
89) n-Butylbenzene	13.61	91	846714m	73.057	ug/l	
90) Hexachloroethane	13.88	117	202473	79.326	ug/l	68
91) 1,2-Dichlorobenzene	13.65	146	383744	49.684	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46891	76.534	ug/l	85
93) 1,2,4-Trichlorobenzene	14.91	180	177572	57.766	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
Data File : VN055442.D
Acq On : 7 May 2019 17:10
Operator : JC/SP
Sample : K2658-23MS
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM

Quant Time: May 08 07:03:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	135397	58.746	ug/l	99
95) Naphthalene	15.13	128	390883	59.694	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	184249	60.845	ug/l	99

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

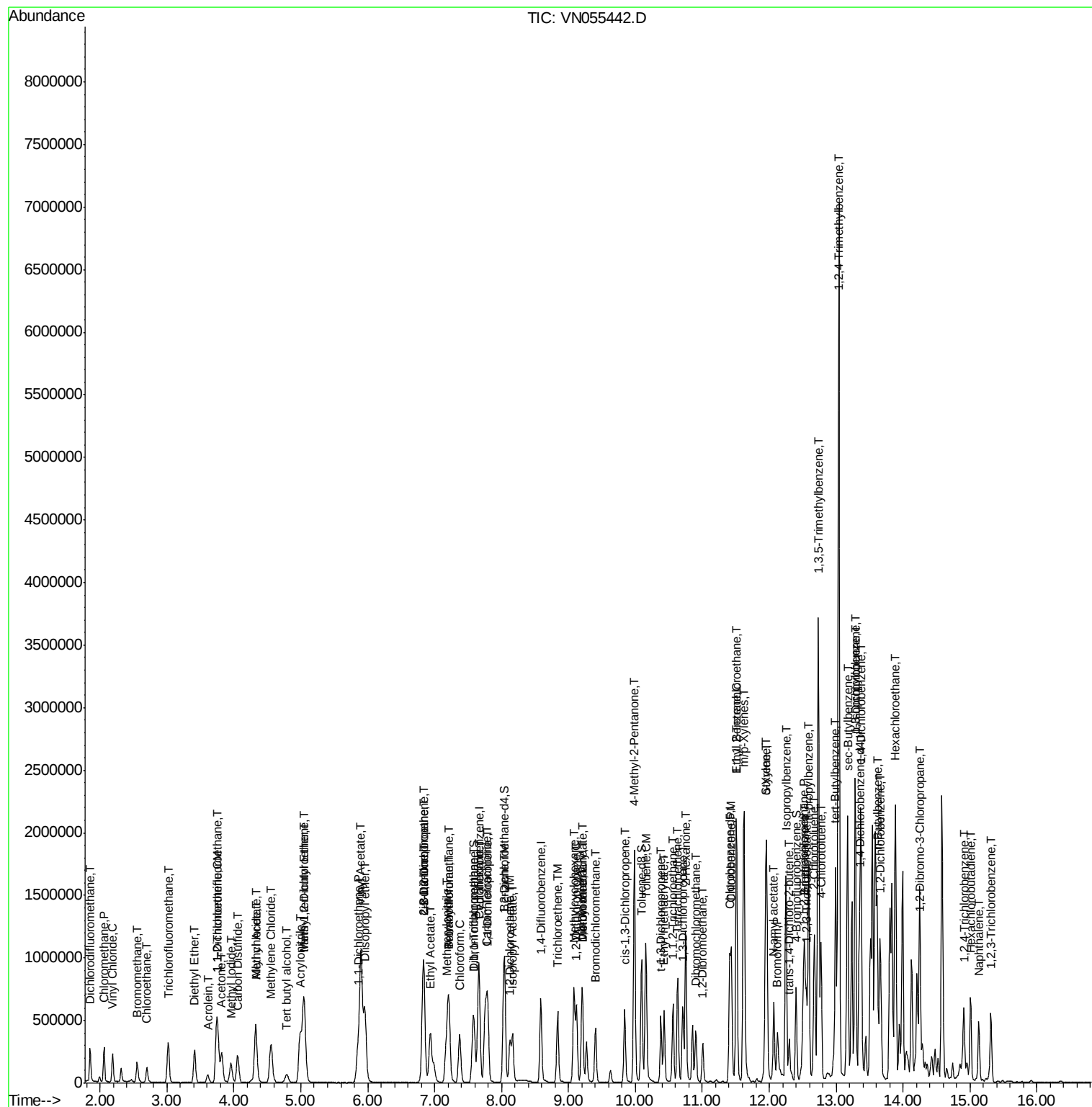
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
Data File : VN055442.D
Acq On : 7 May 2019 17:10
Operator : JC/SP
Sample : K2658-23MS
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 15 Sample Multiplier: 1

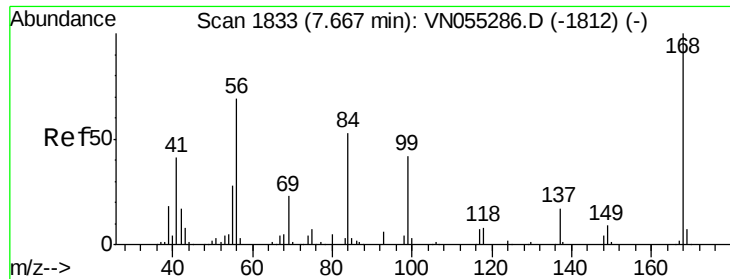
Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM

Quant Time: May 08 07:03:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:168 Resp: 373309

Ion Ratio Lower Upper

168 100

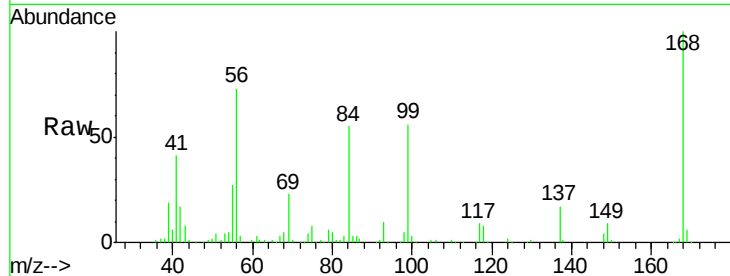
99 55.0 43.6 65.4

Manual Integrations

APPROVED

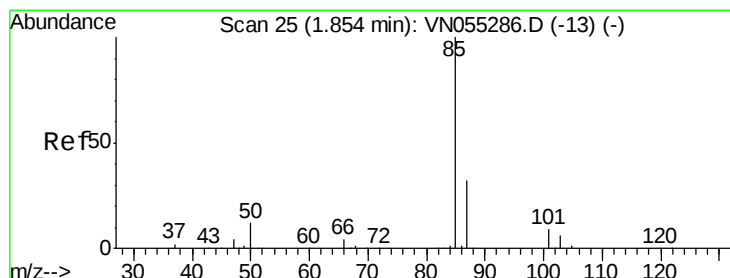
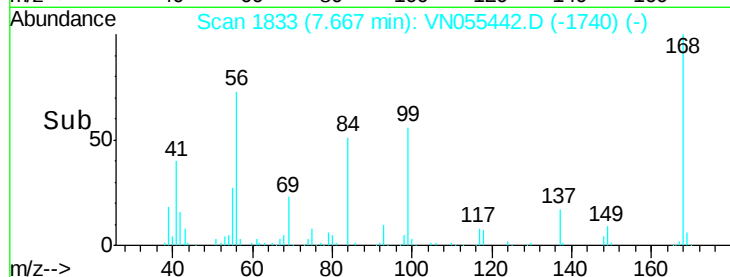
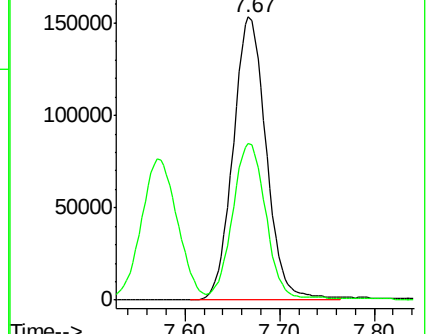
MMDadoda

5/8/2019 10:22:23 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.311 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055442.D

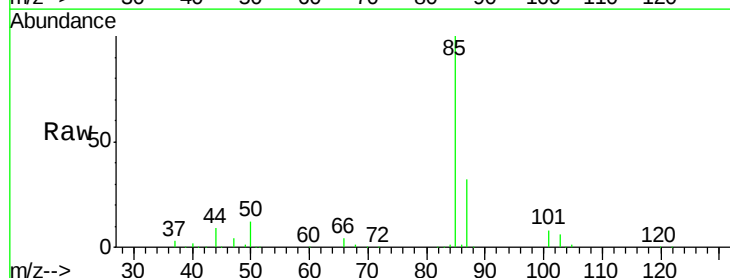
Acq: 7 May 2019 17:10

Tgt Ion: 85 Resp: 207246

Ion Ratio Lower Upper

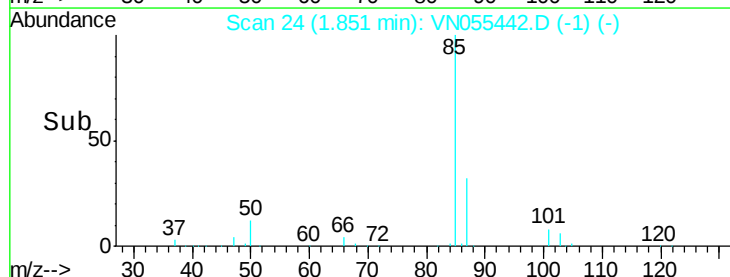
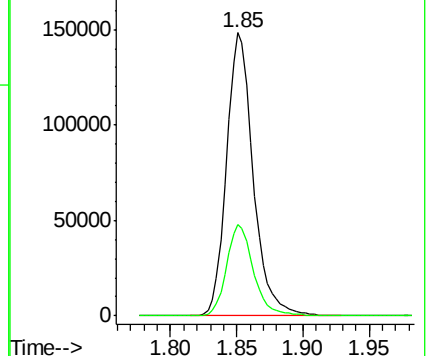
85 100

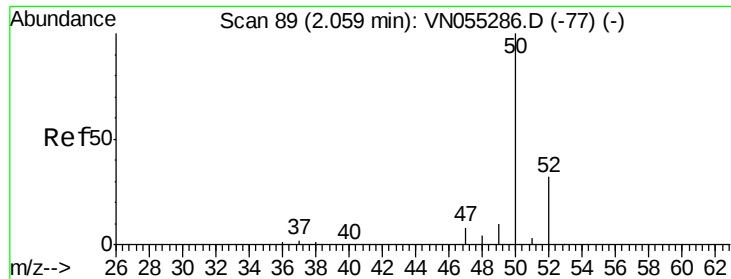
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.249 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion: 50 Resp: 244943

Ion Ratio Lower Upper

50 100

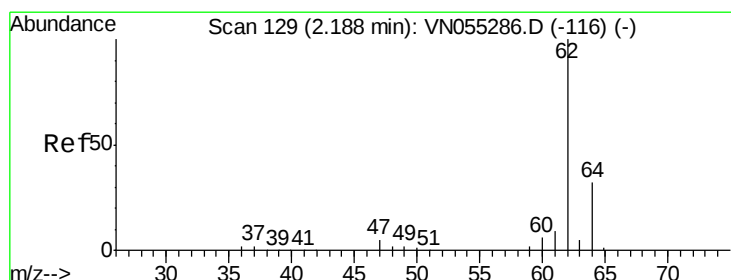
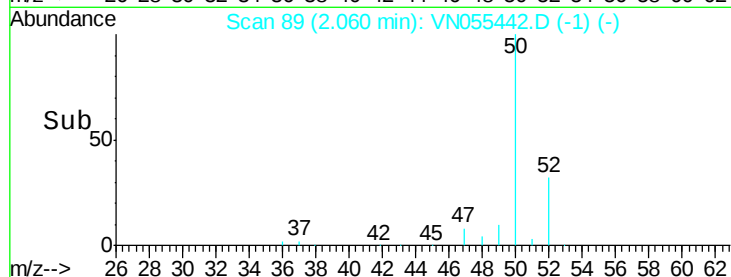
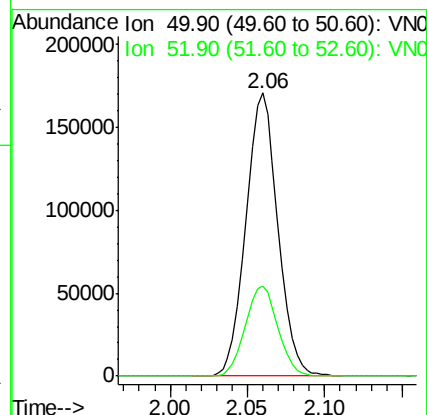
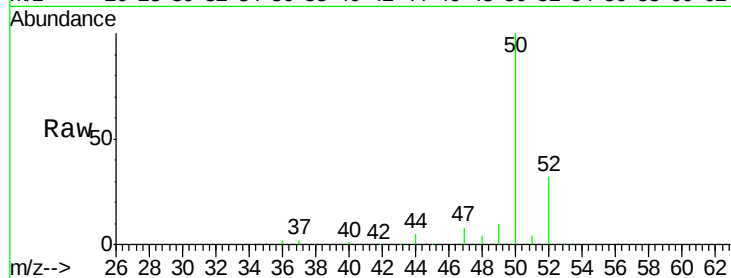
52 31.9 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

5/8/2019 10:22:23 AM



#4

Vinyl Chloride

Concen: 43.442 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055442.D

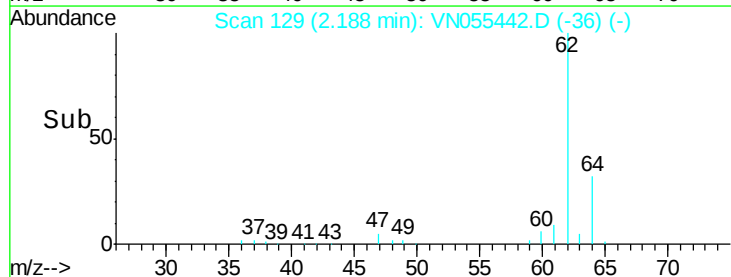
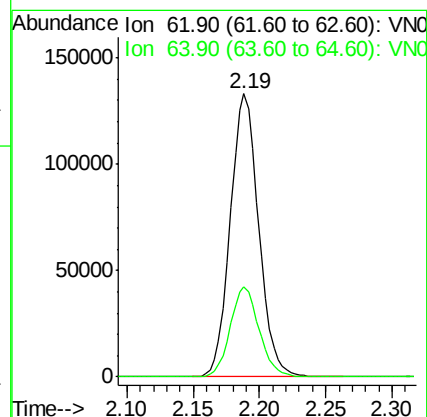
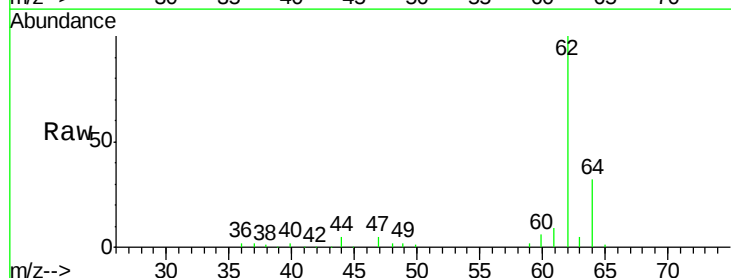
Acq: 7 May 2019 17:10

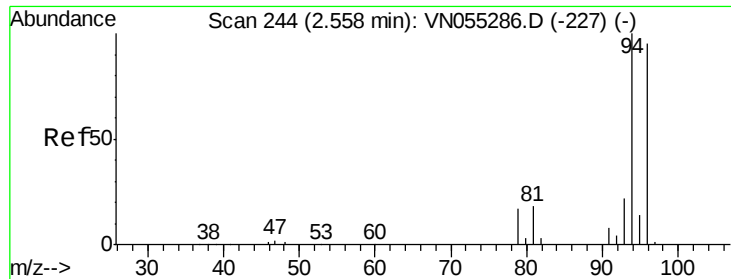
Tgt Ion: 62 Resp: 198327

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 45.926 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-W4-5MS

Tot Ion: 94 Resp: 111059

Ion Ratio Lower Upper

94 100

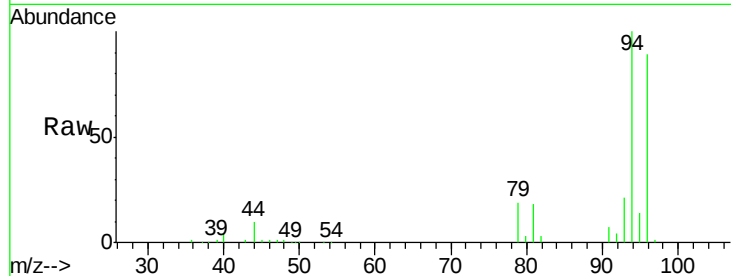
96 88.9 76.0 114.0

Manual Integrations

APPROVED

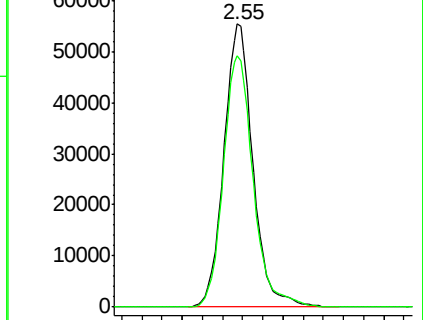
MMDadoda

5/8/2019 10:22:23 AM

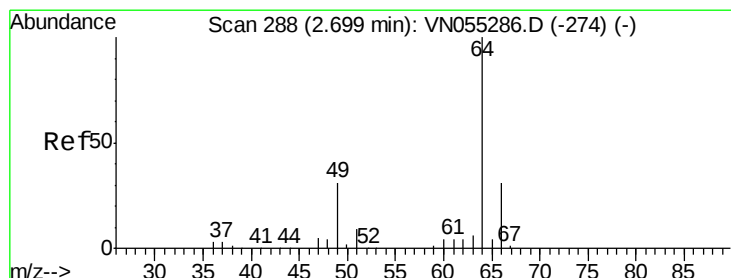
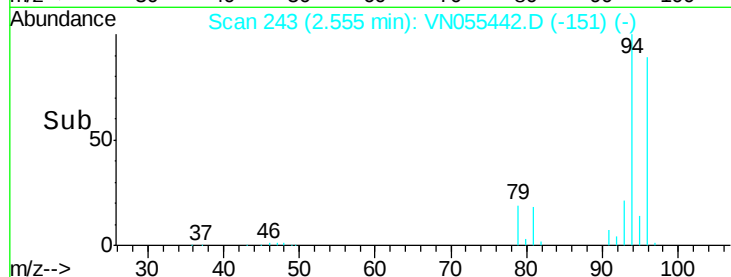


Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



Time-->



#6

Chloroethane

Concen: 46.734 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055442.D

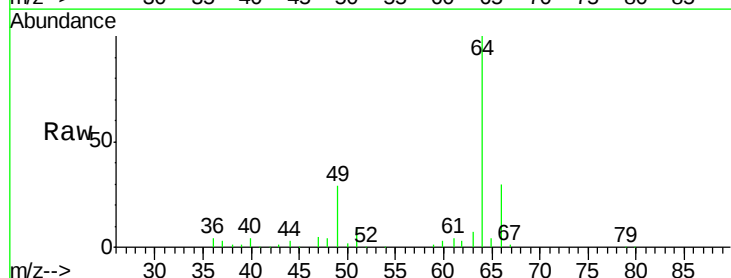
Acq: 7 May 2019 17:10

Tgt Ion: 64 Resp: 115581

Ion Ratio Lower Upper

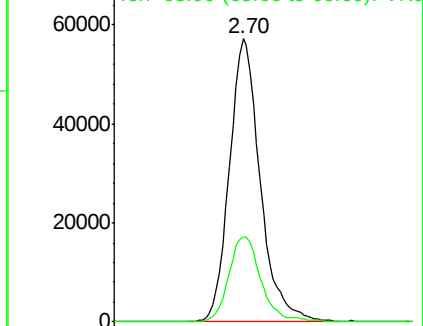
64 100

66 30.1 25.0 37.4

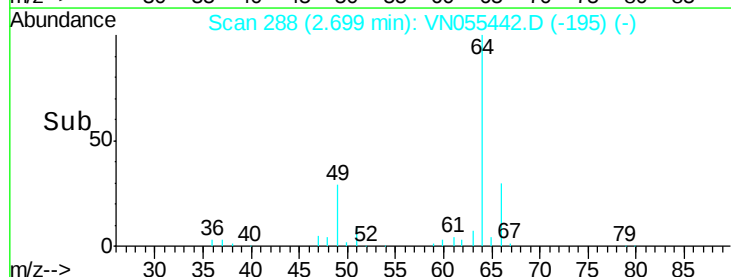


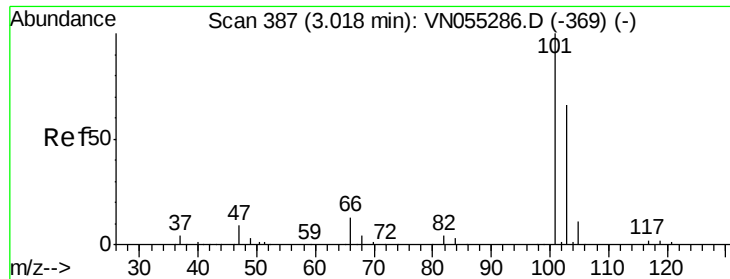
Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



Time-->





#7

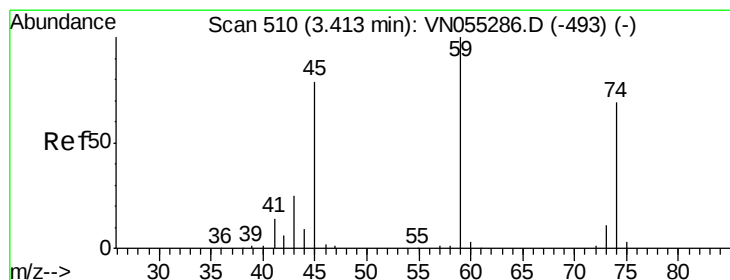
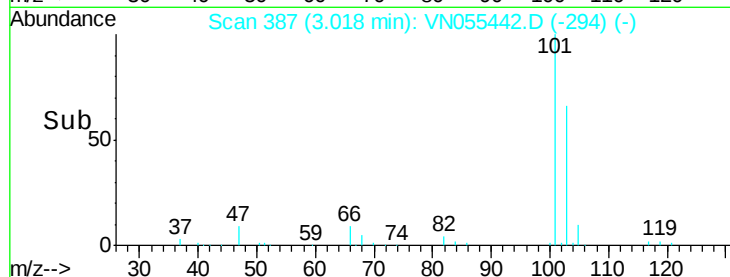
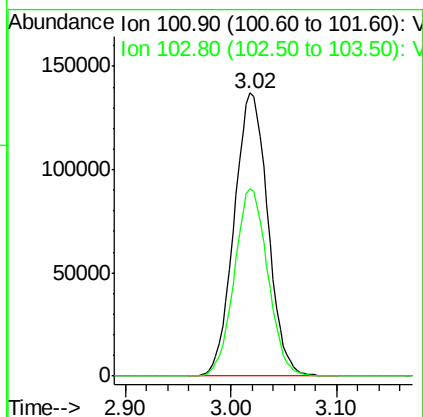
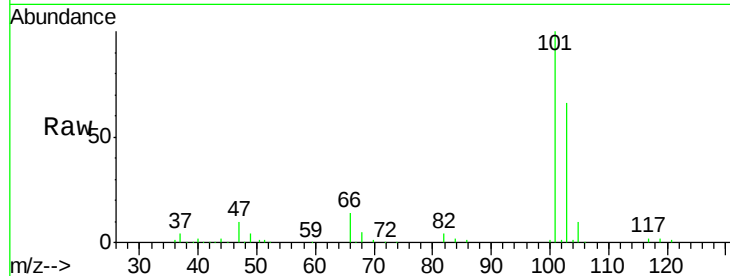
Trichlorofluoromethane
Concen: 46.790 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.6	79.0

Manual Integrations
APPROVED

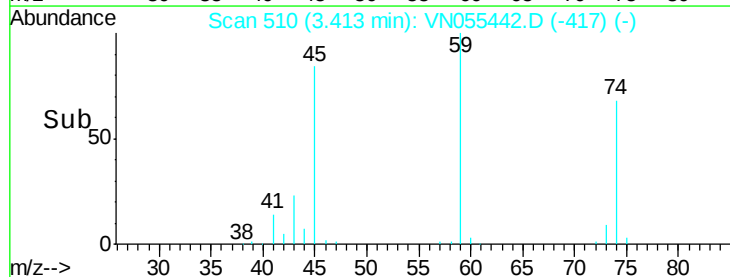
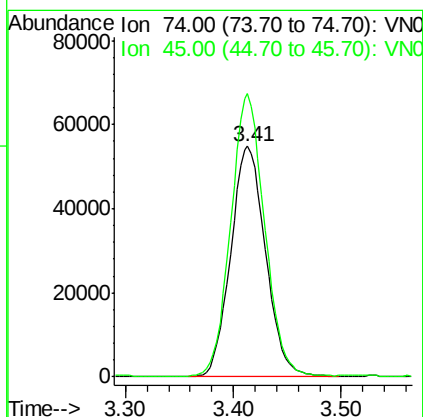
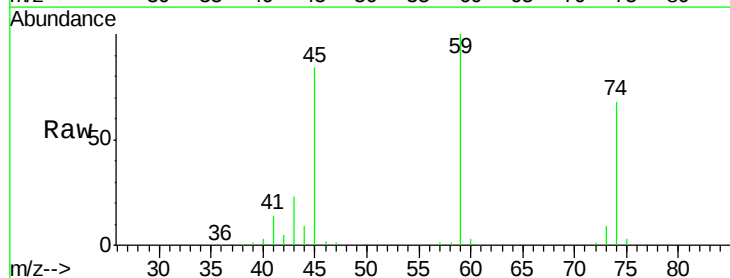
MMDadoda
5/8/2019 10:22:23 AM

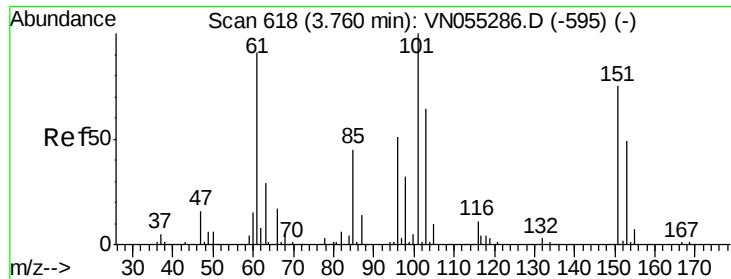


#8

Diethyl Ether
Concen: 54.426 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.8	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.401 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

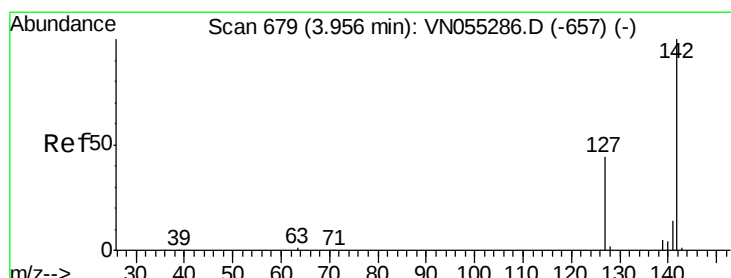
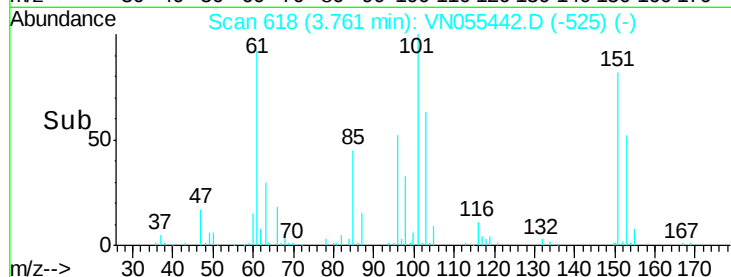
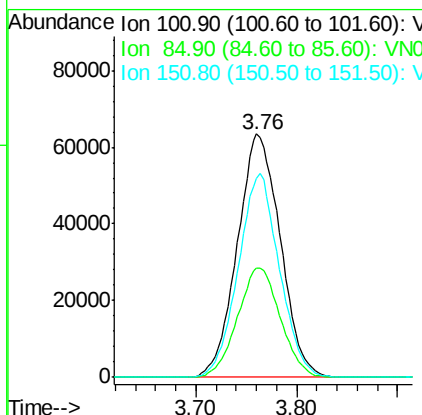
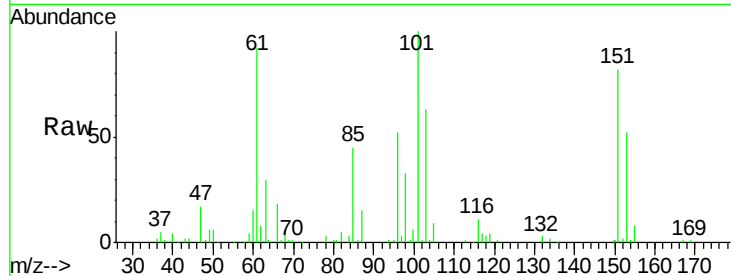
ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:	101	Resp:	187104
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.7	53.5
151	80.3	63.3	94.9

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM



#10

Methyl Iodide

Concen: 46.018 ug/l

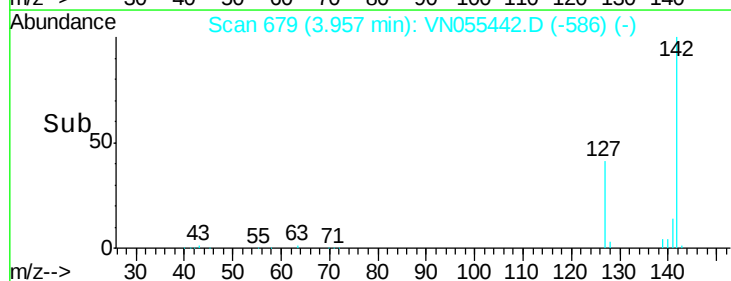
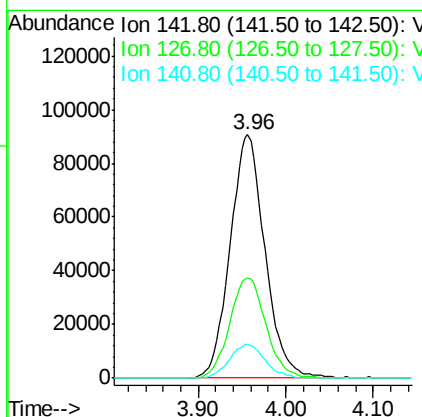
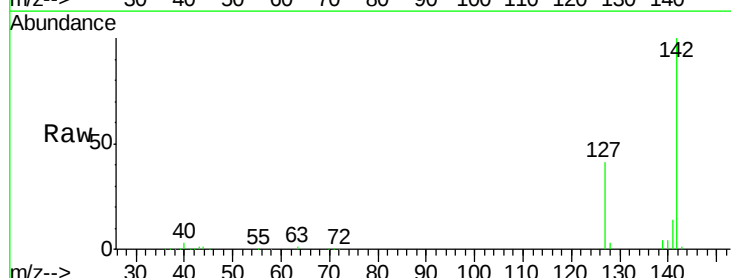
RT: 3.96 min Scan# 679

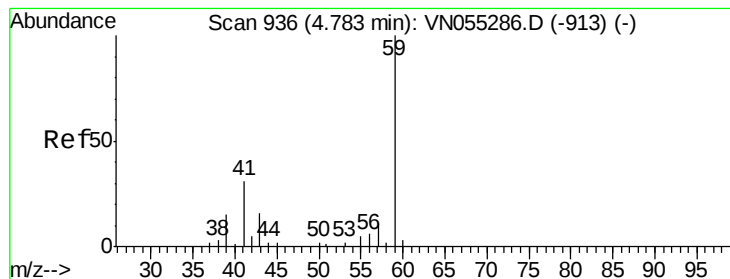
Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Tgt Ion:	142	Resp:	250350
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.4	51.6
141	14.2	11.5	17.3





#11

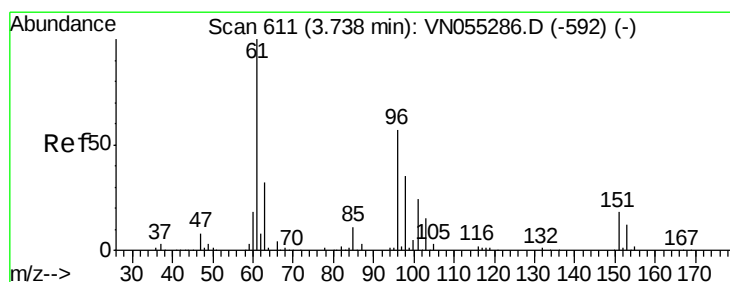
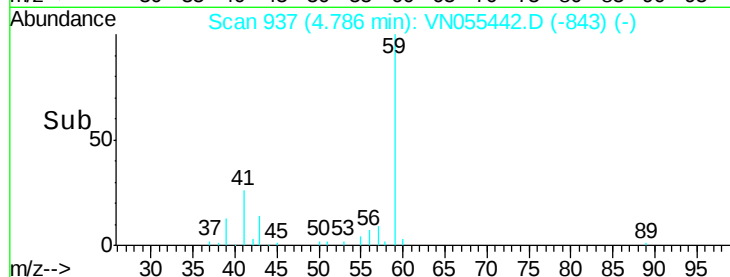
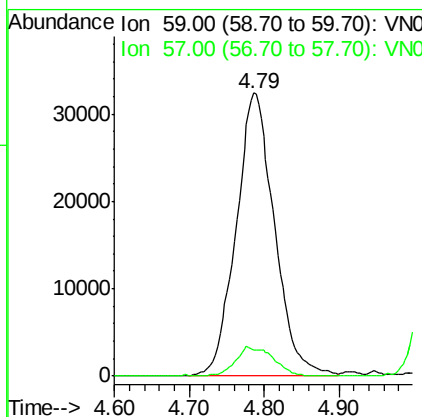
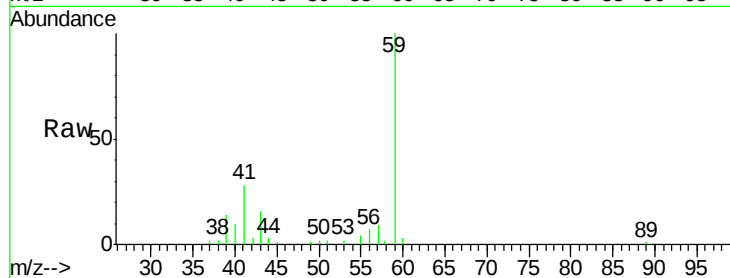
Tert butyl alcohol
 Concen: 413.420 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-W4-5MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	115595		
57	5.5		8.2	12.2#

Manual Integrations
 APPROVED

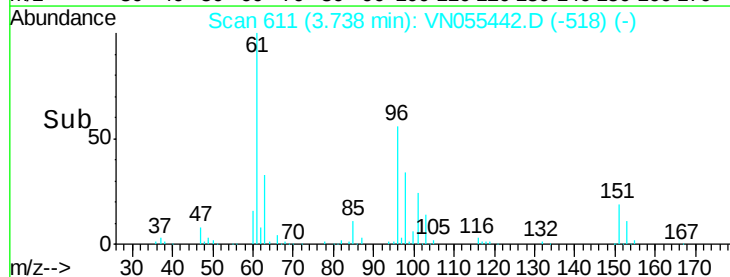
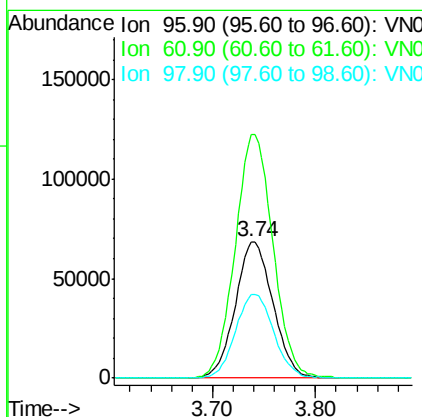
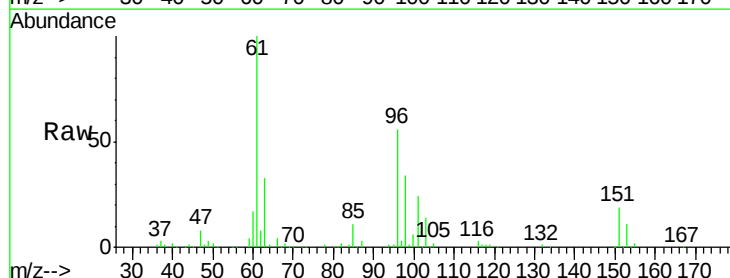
MMDadoda
 5/8/2019 10:22:23 AM

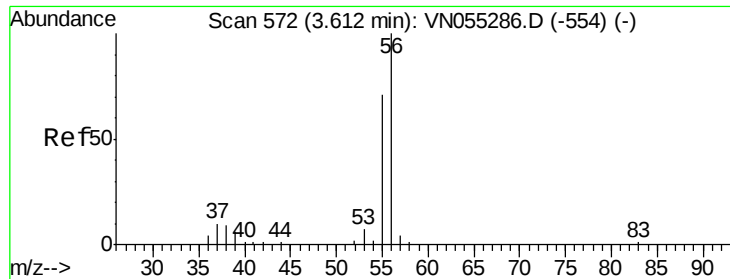


#12

1,1-Dichloroethene
 Concen: 47.138 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	173831		
61	178.5		140.9	211.3
98	61.2		50.0	75.0





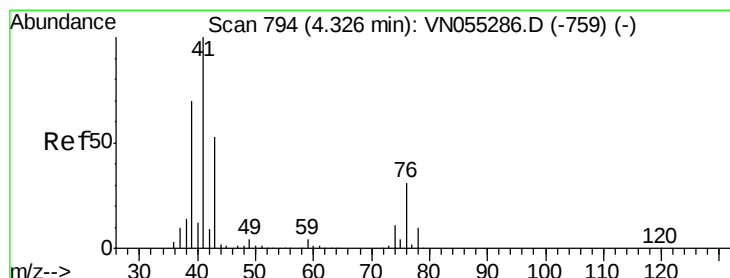
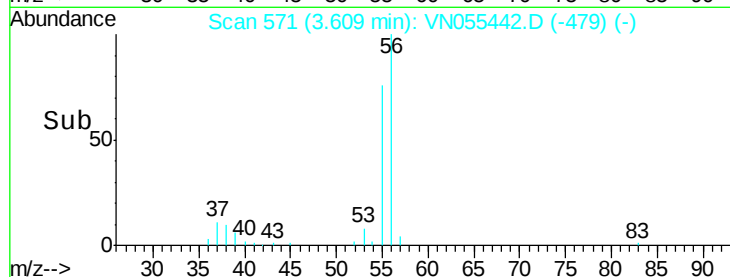
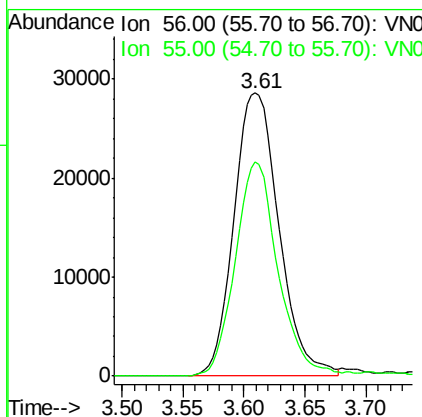
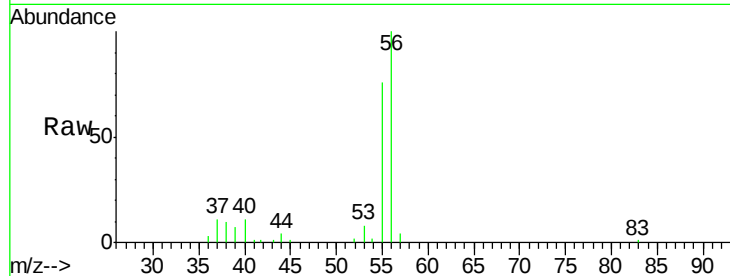
#13
Acrolein
Concen: 335.735 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	56	Resp	73312
Ion Ratio	100	Lower	Upper
56	100		
55	71.5	57.4	86.2

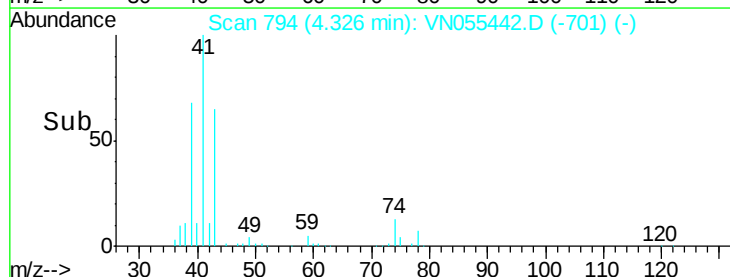
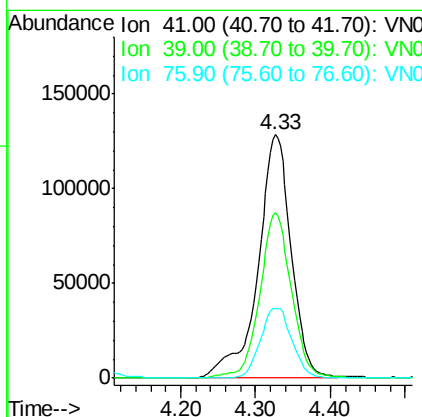
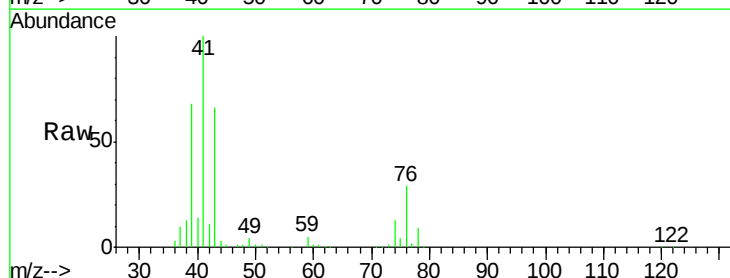
Manual Integrations
APPROVED

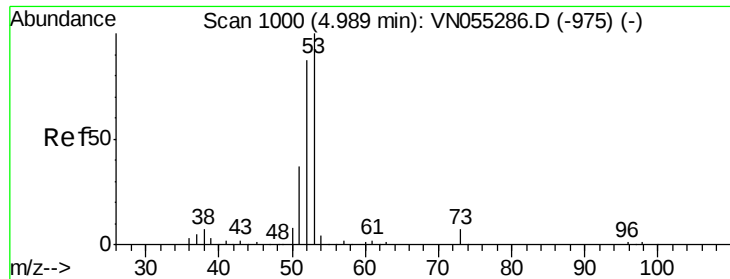
MMDadoda
5/8/2019 10:22:23 AM



#14
Allyl chloride
Concen: 51.912 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	41	Resp	396481
Ion Ratio	100	Lower	Upper
41	100		
39	64.7	53.0	79.6
76	27.3	22.7	34.1





#15

Acrylonitrile

Concen: 319.744 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

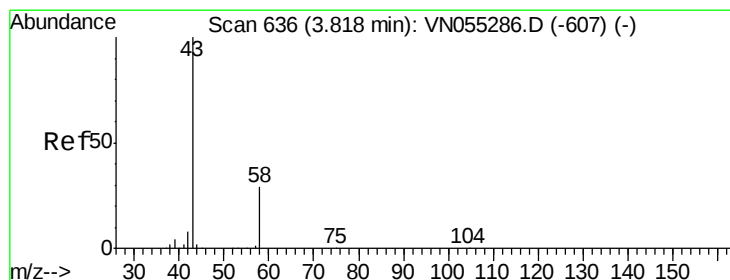
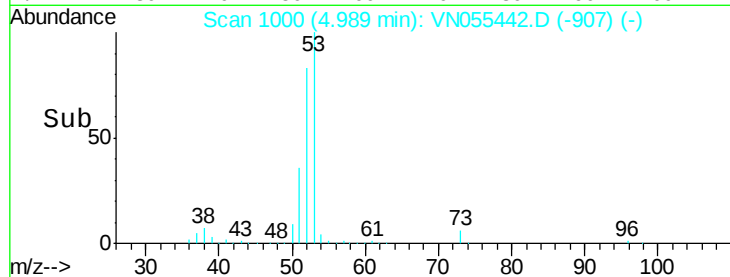
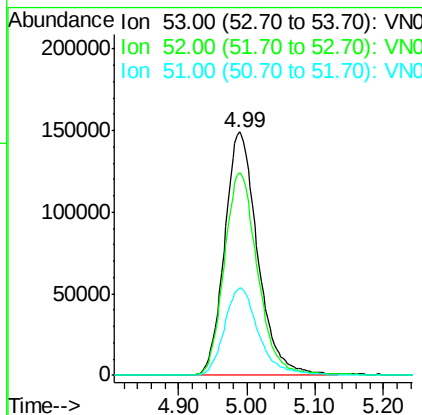
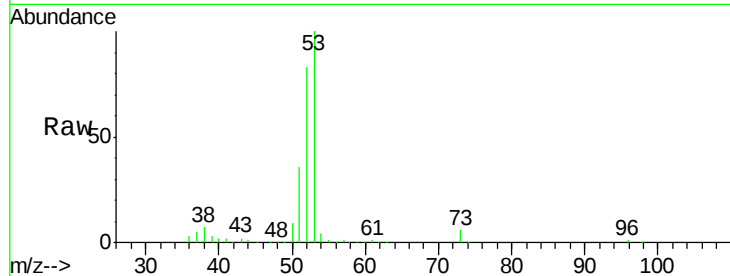
ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:	53	Resp:	502523
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.5	99.7
51	36.9	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM



#16

Acetone

Concen: 267.199 ug/l

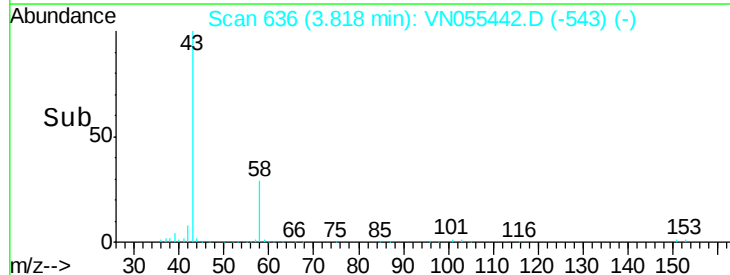
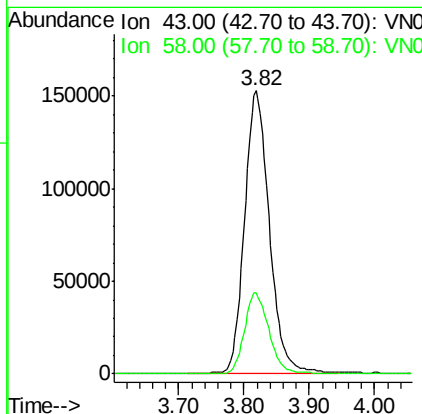
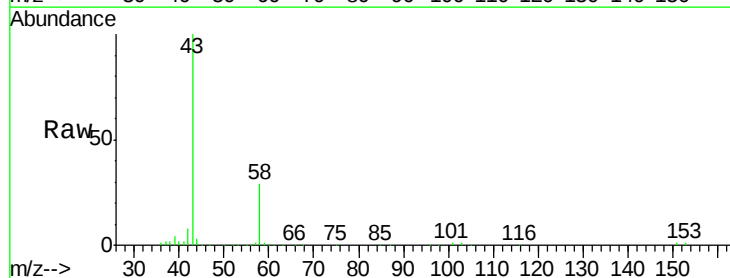
RT: 3.82 min Scan# 636

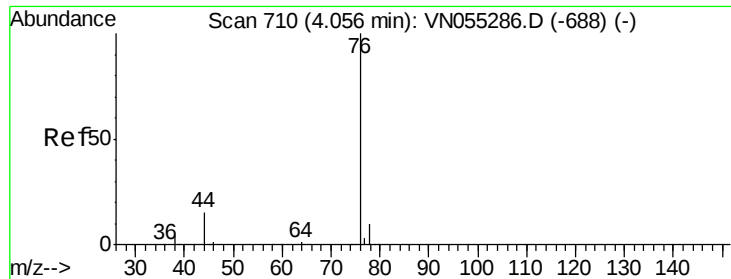
Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Tgt Ion:	43	Resp:	406599
Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.6	35.4





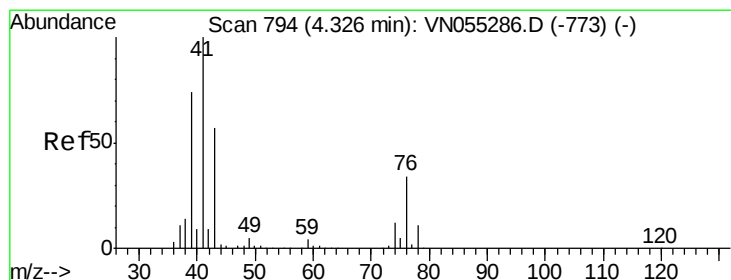
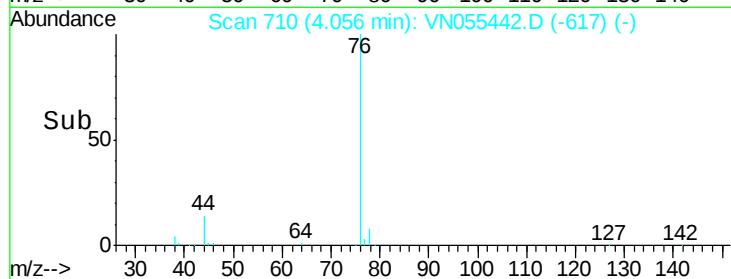
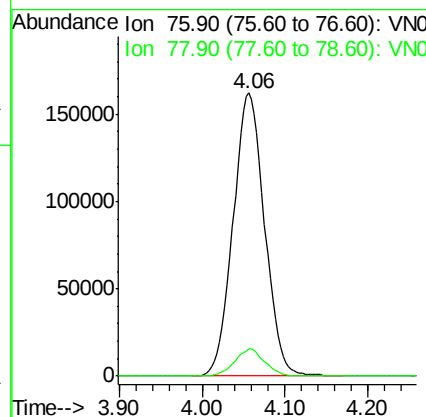
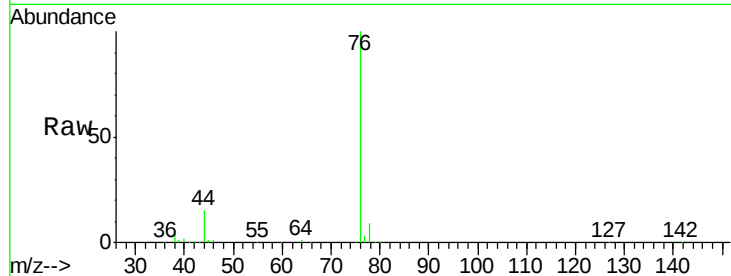
#17
Carbon Disulfide
Concen: 44.486 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.6	11.4

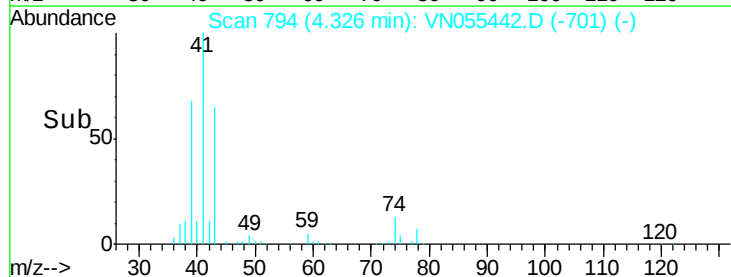
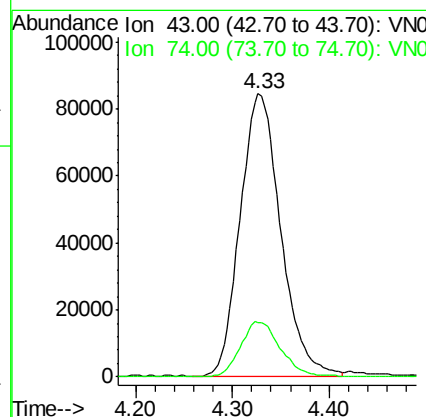
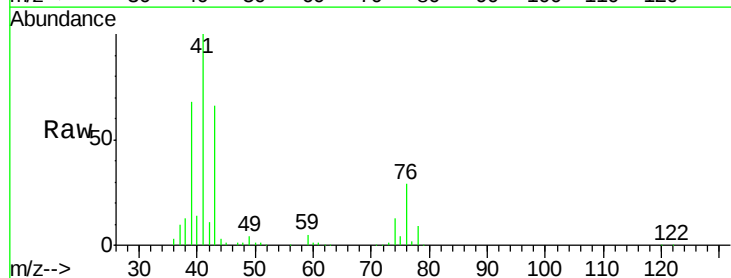
Manual Integrations
APPROVED

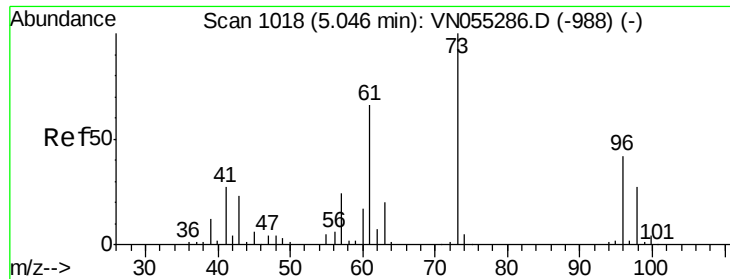
MMDadoda
5/8/2019 10:22:23 AM



#18
Methyl Acetate
Concen: 66.380 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.8	23.8





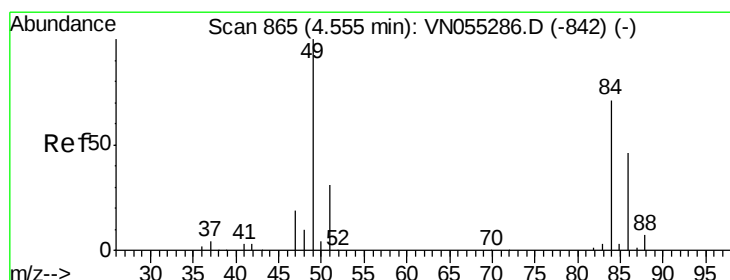
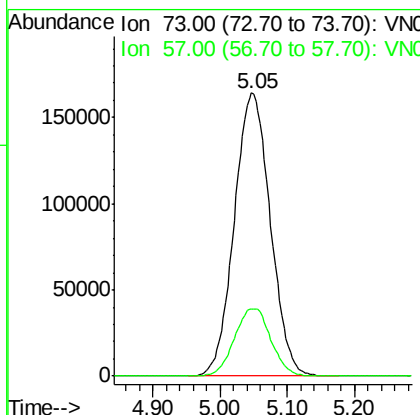
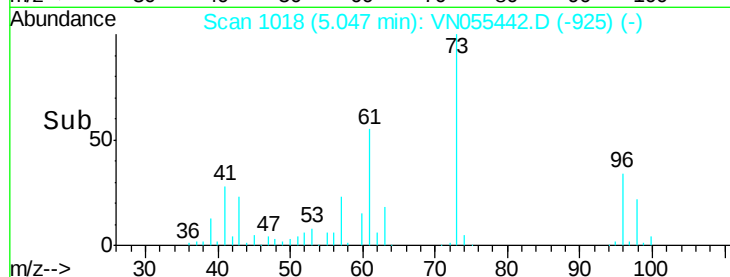
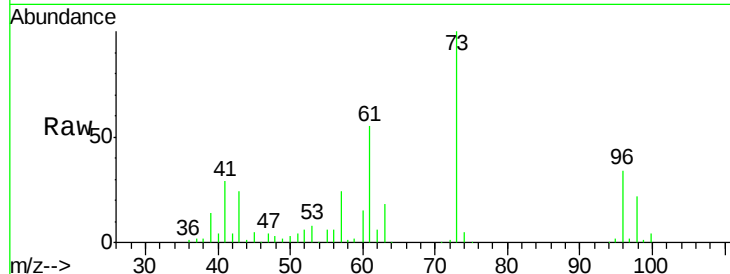
#19
Methvl tert-butvl Ether
Concen: 58.897 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion: 73 Resp: 610581
Ion Ratio Lower Upper
73 100
57 23.8 19.1 28.7

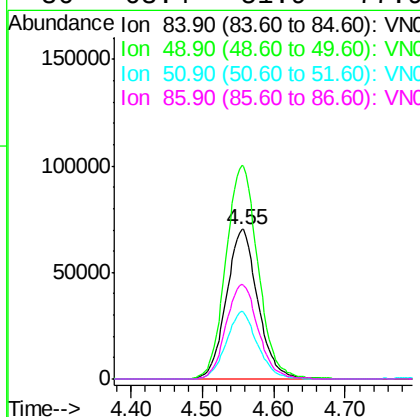
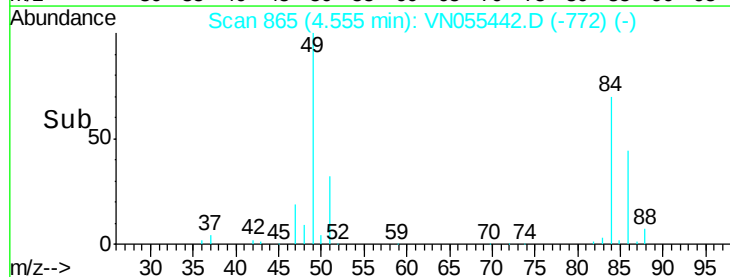
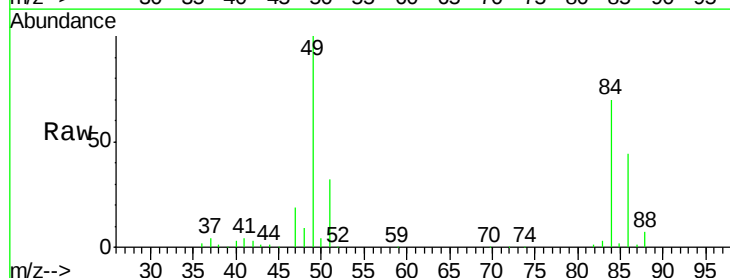
Manual Integrations
APPROVED

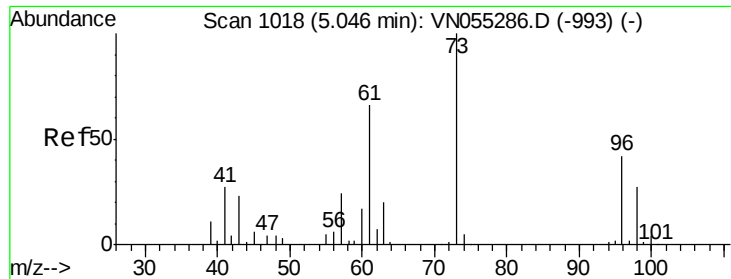
MMDadoda
5/8/2019 10:22:23 AM



#20
Methylene Chloride
Concen: 46.571 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion: 84 Resp: 216309
Ion Ratio Lower Upper
84 100
49 142.7 112.4 168.6
51 45.4 34.6 51.8
86 63.4 51.9 77.9





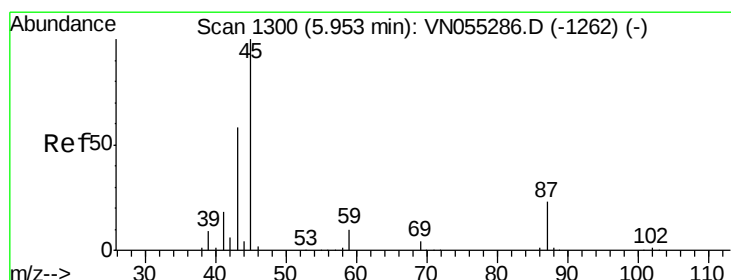
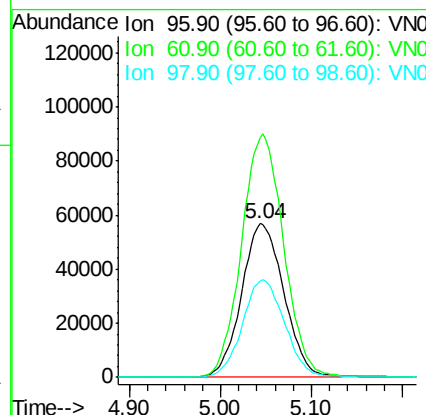
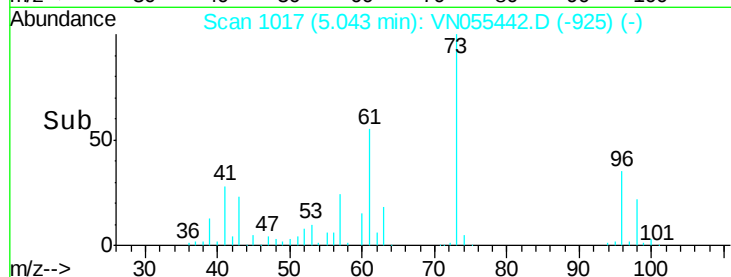
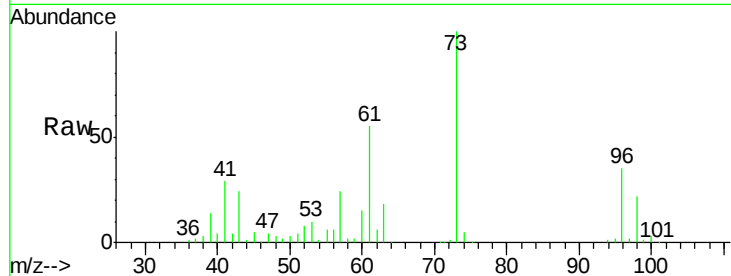
#21
trans-1,2-Dichloroethene
Concen: 46.969 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.9	126.2	189.4
98	62.7	52.2	78.2

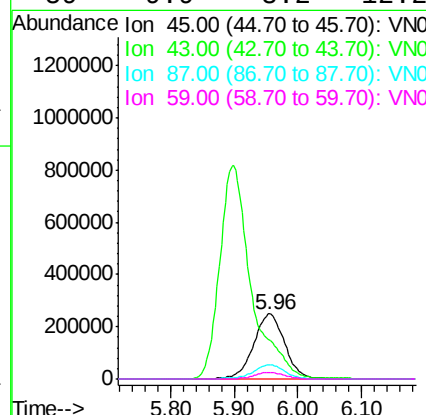
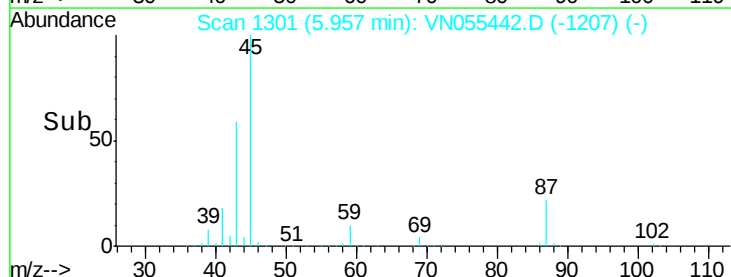
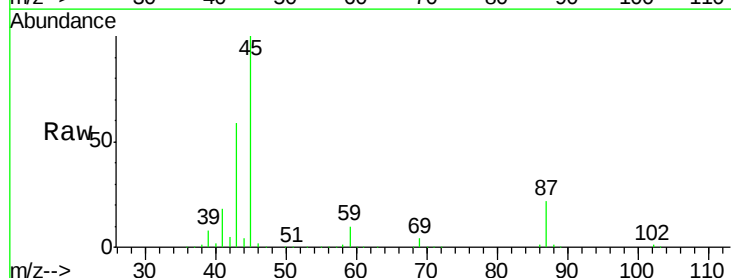
Manual Integrations
APPROVED

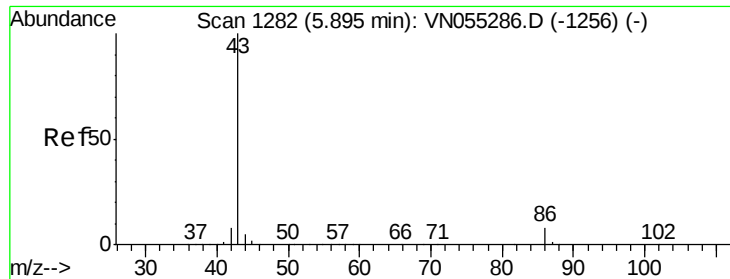
MMDadoda
5/8/2019 10:22:23 AM



#22
Diisopropyl ether
Concen: 55.977 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	46.6	70.0
87	22.3	18.1	27.1
59	9.9	8.2	12.2





#23

Vinyl Acetate

Concen: 282.916 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion: 43 Resp: 2813793

Ion Ratio Lower Upper

43 100

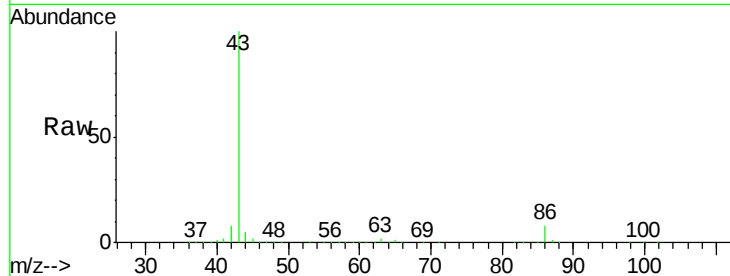
86 7.9 6.6 10.0

Manual Integrations

APPROVED

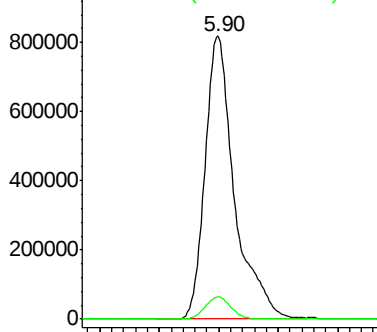
MMDadoda

5/8/2019 10:22:23 AM

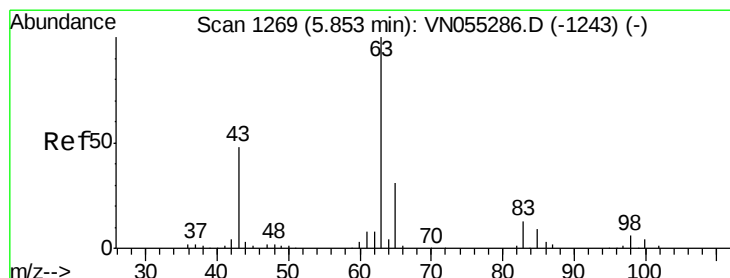
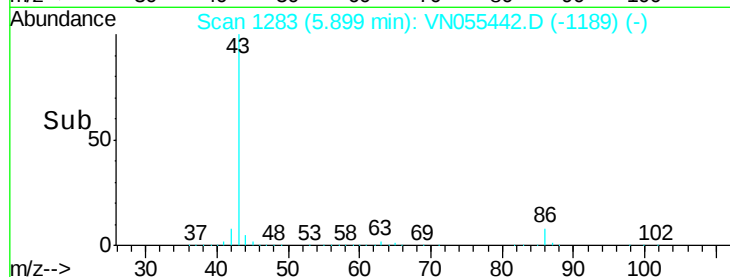


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 51.242 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

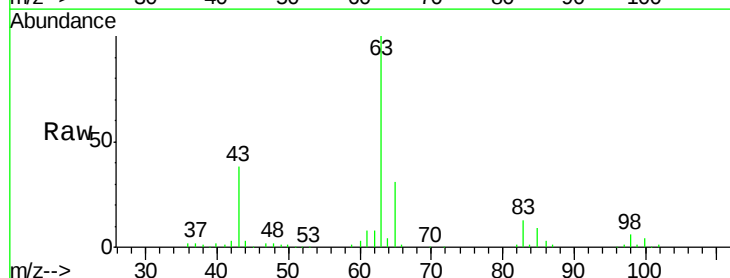
Tgt Ion: 63 Resp: 414312

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

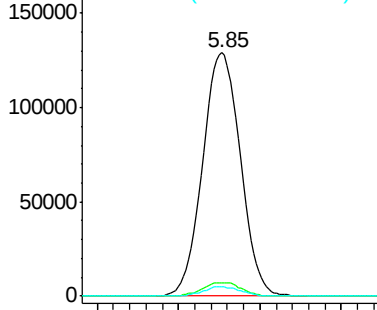
100 4.0 1.8 5.4



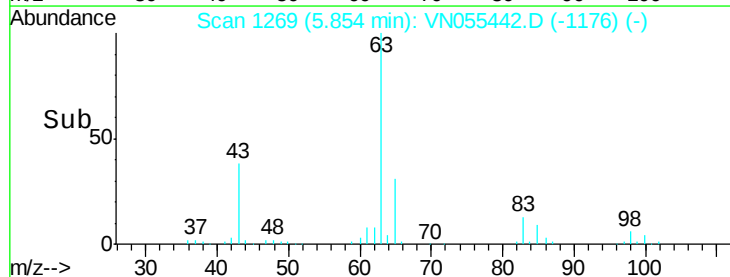
Abundance Ion 62.90 (62.60 to 63.60): VN0

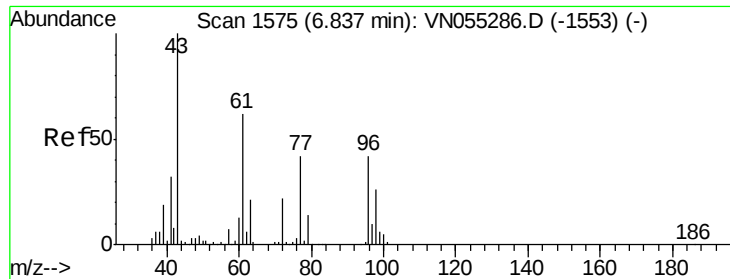
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90 6.00





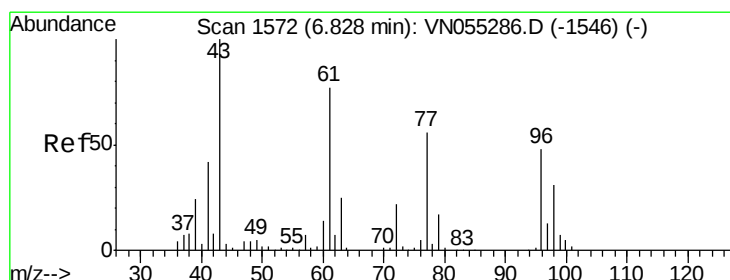
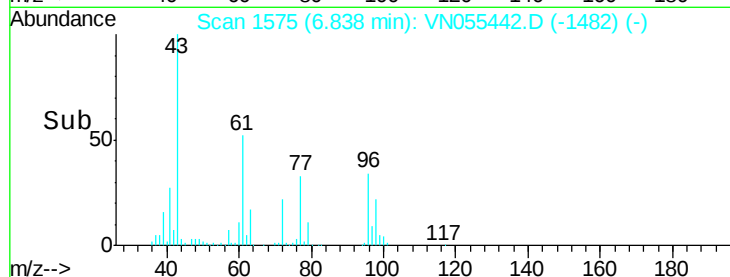
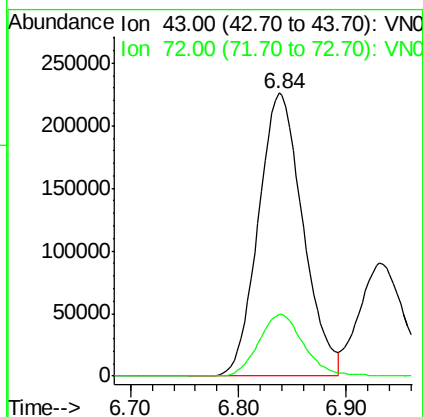
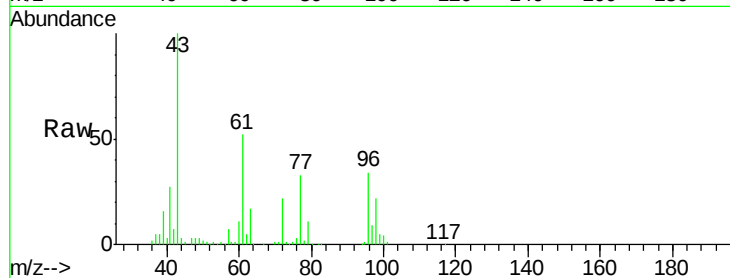
#25
2-Butanone
Concen: 331.464 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion: 43 Resp: 645051
Ion Ratio Lower Upper
43 100
72 21.8 18.0 27.0

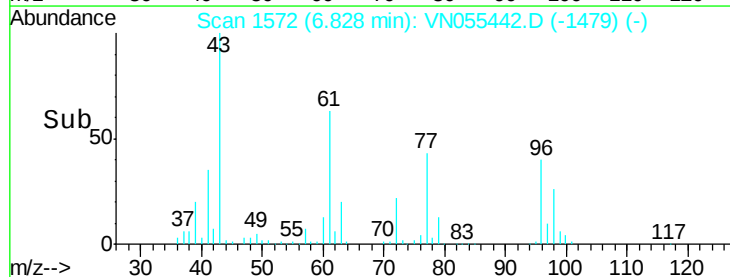
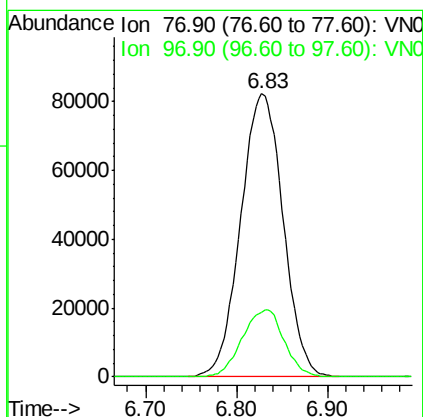
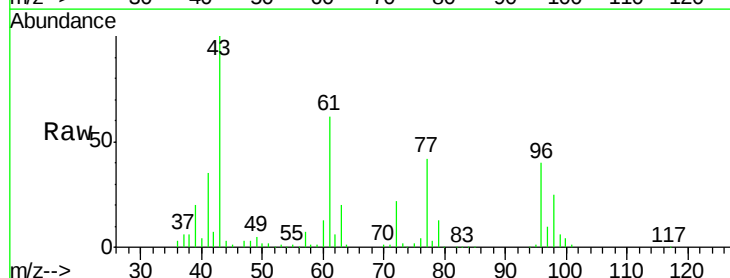
Manual Integrations
APPROVED

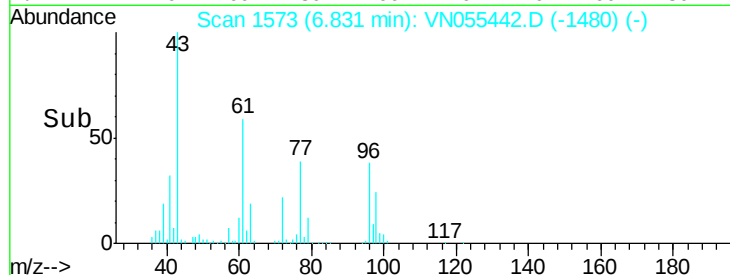
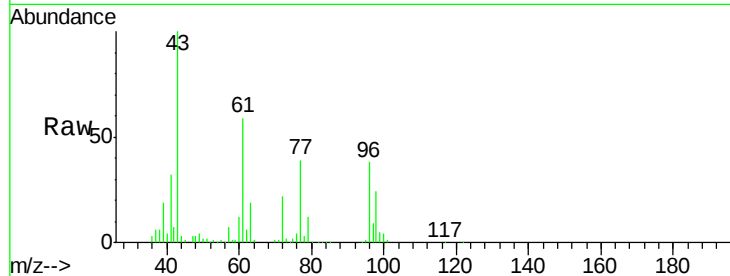
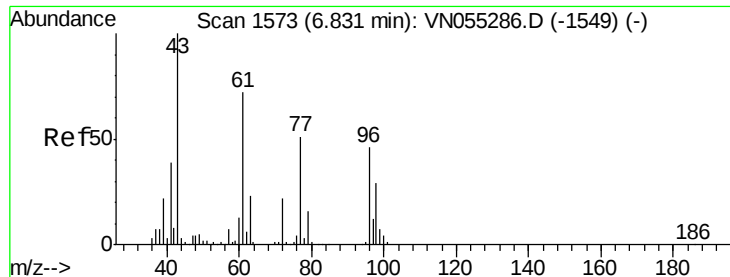
MMDadoda
5/8/2019 10:22:23 AM



#26
2,2-Dichloropropane
Concen: 47.687 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion: 77 Resp: 266254
Ion Ratio Lower Upper
77 100
97 23.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 52.326 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055442.D

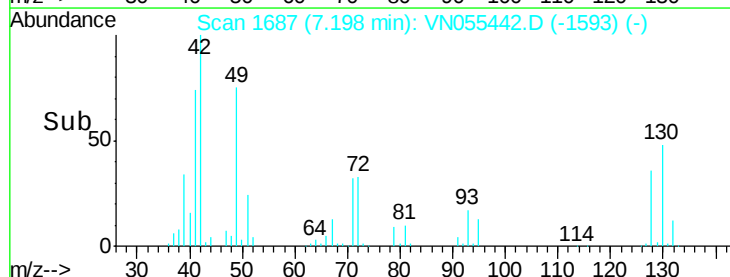
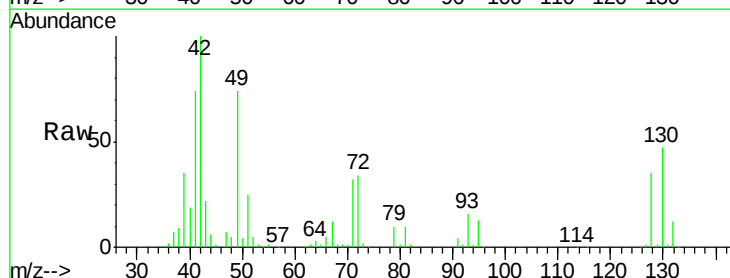
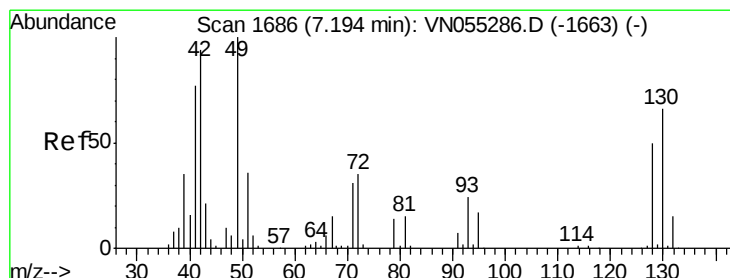
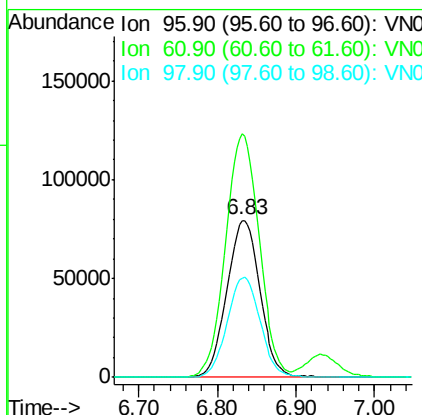
Acq: 7 May 2019 17:10

Tot Ion:	96	Resp:	232396
Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	316.2
98	63.7	0.0	126.6

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM



#28

Bromochloromethane

Concen: 49.543 ug/l

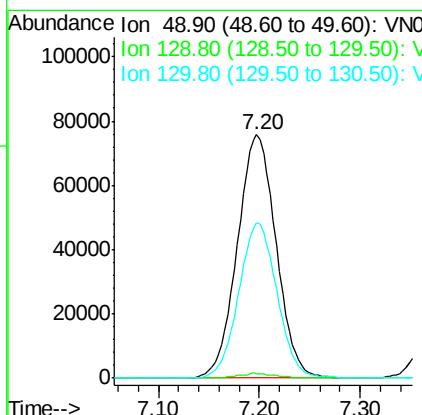
RT: 7.20 min Scan# 1687

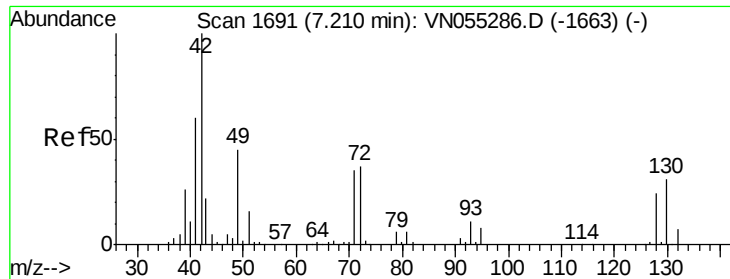
Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Tgt Ion:	49	Resp:	201918
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.4
130	63.0	52.0	78.0





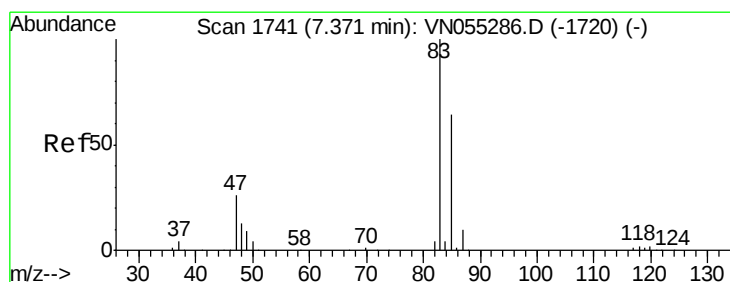
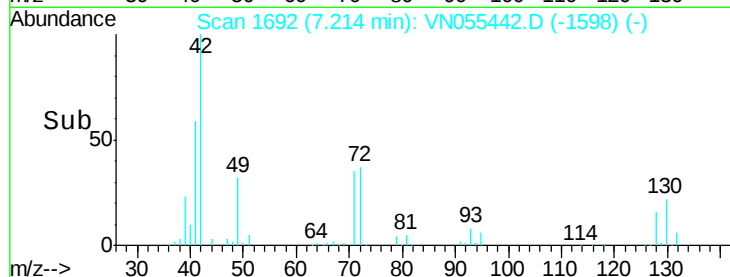
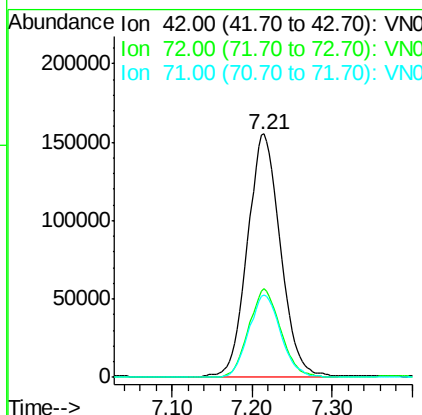
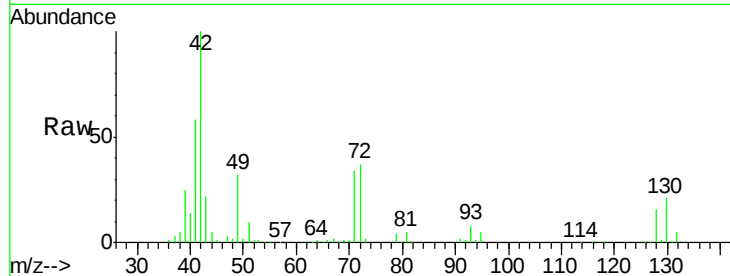
#29
Tetrahydrofuran
Concen: 350.640 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	29.0	43.6
71	33.1	27.1	40.7

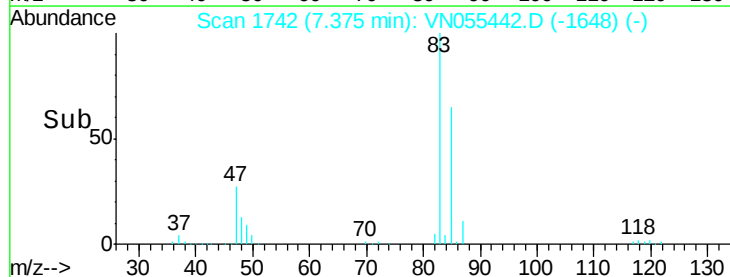
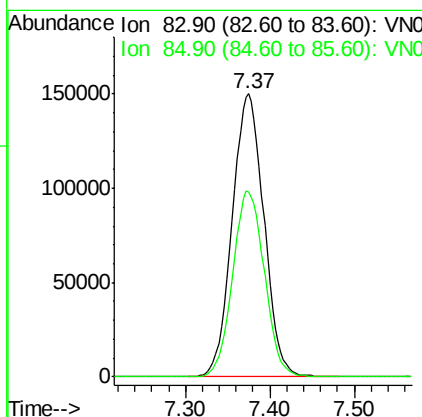
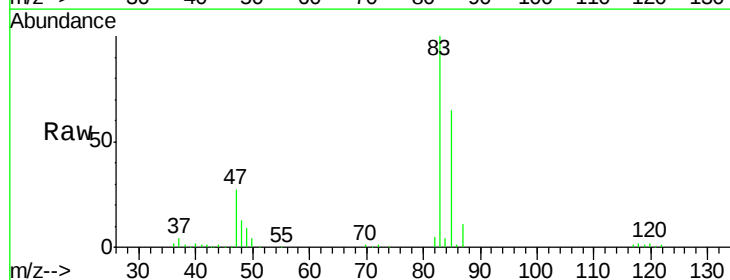
Manual Integrations
APPROVED

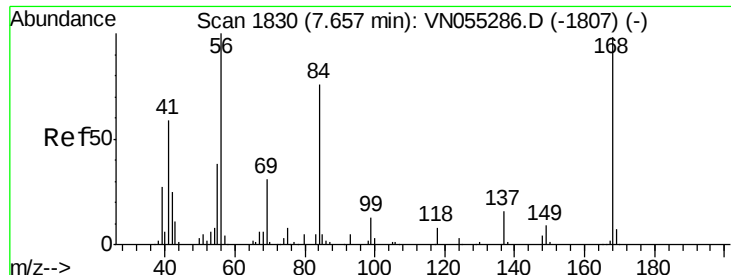
MMDadoda
5/8/2019 10:22:23 AM



#30
Chloroform
Concen: 51.257 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.2





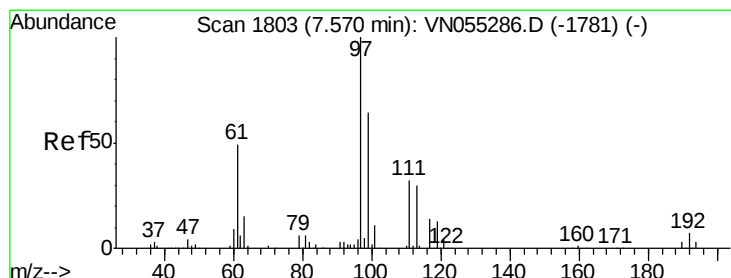
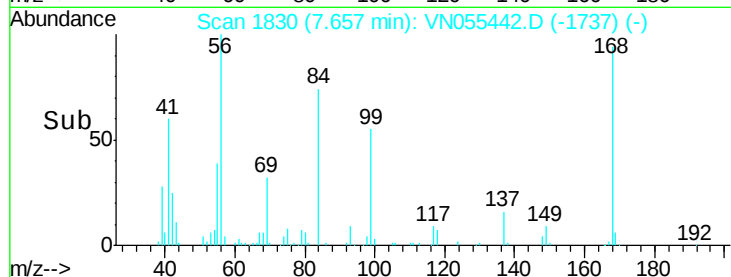
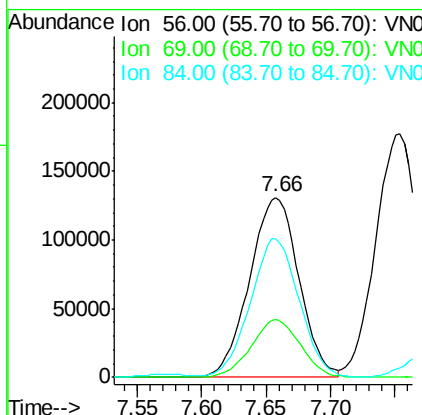
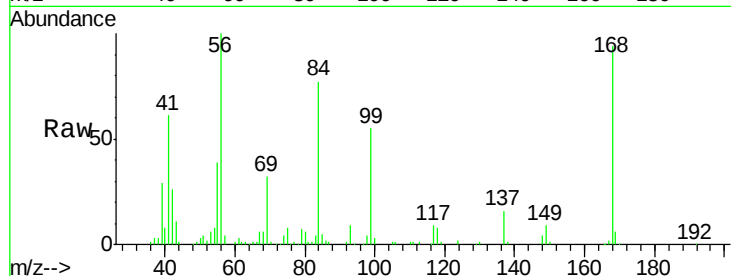
#31
Cyclohexane
Concen: 45.437 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.2	37.8
84	76.0	61.1	91.7

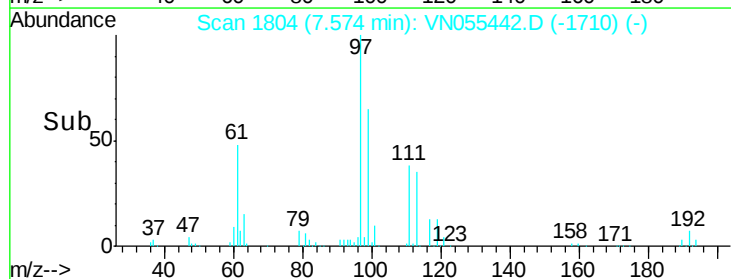
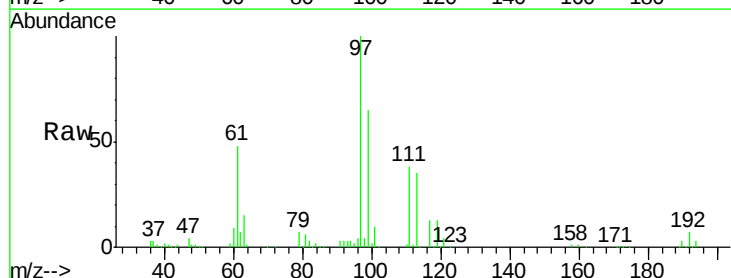
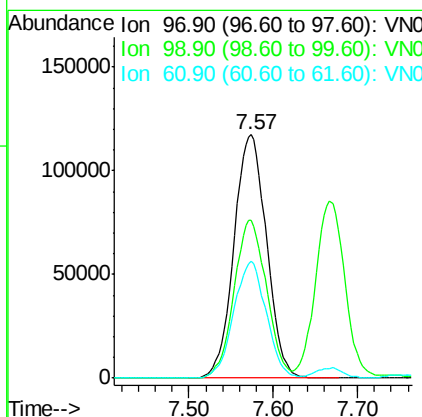
Manual Integrations
APPROVED

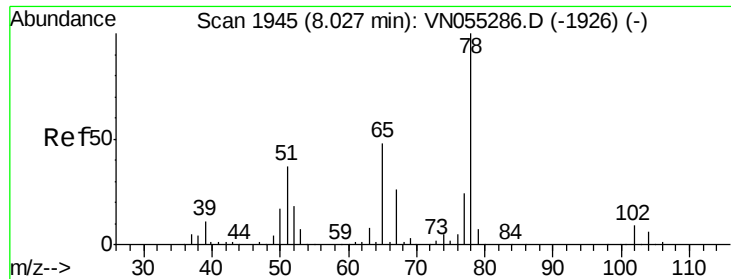
MMDadoda
5/8/2019 10:22:23 AM



#32
1,1,1-Trichloroethane
Concen: 50.698 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	48.1	39.0	58.6





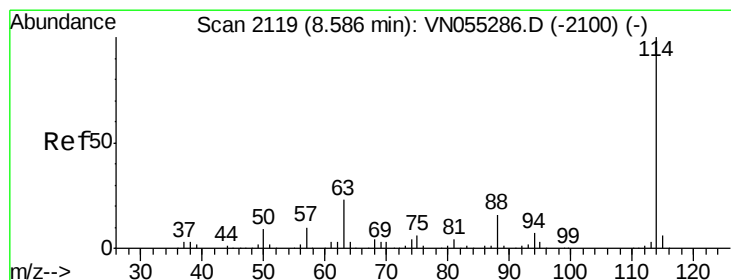
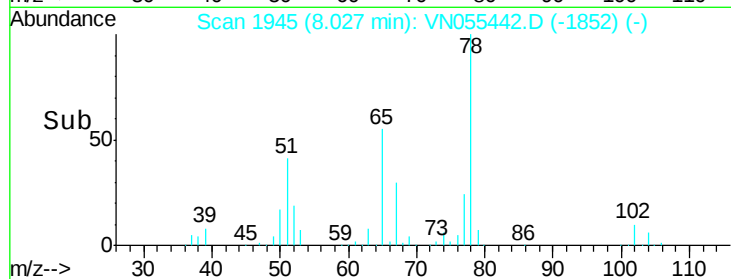
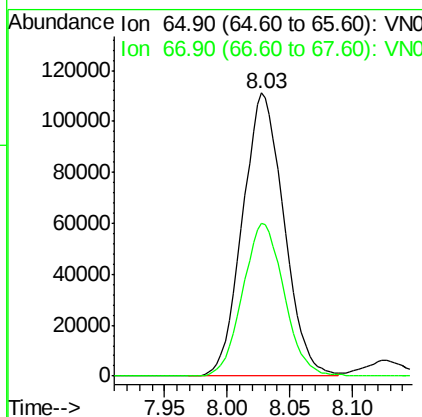
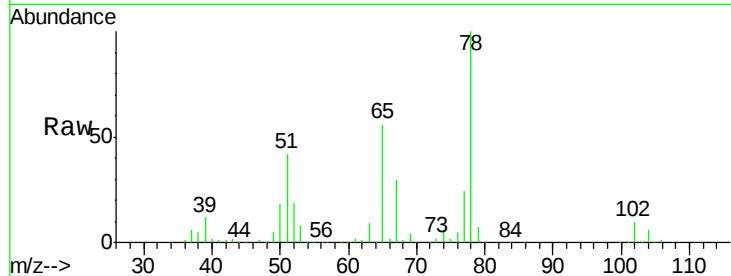
#33
 1,2-Dichloroethane-d4
 Concen: 52.354 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	255684		
67	53.9	0.0	106.8	

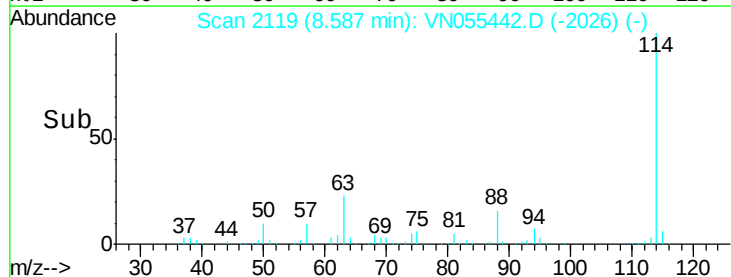
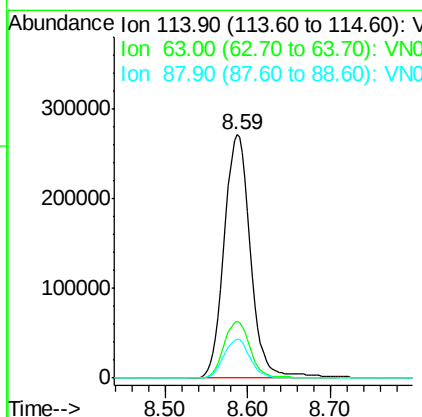
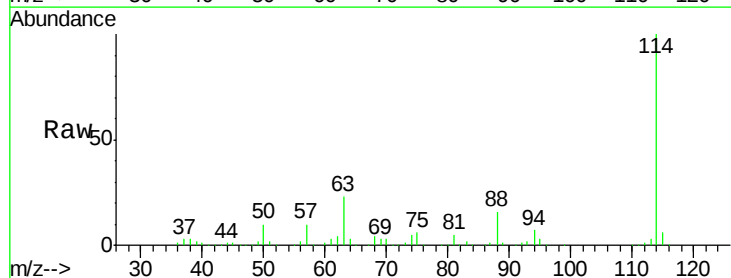
Manual Integrations
 APPROVED

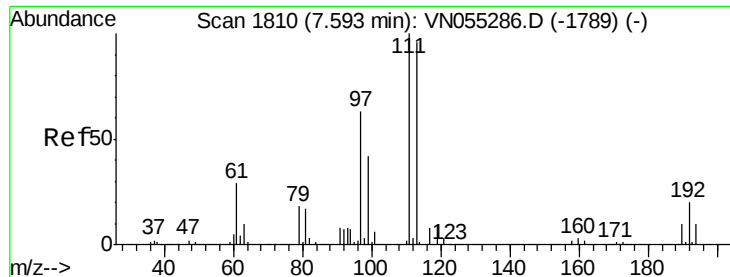
MMDadoda
 5/8/2019 10:22:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	601775		
63	23.4	0.0	45.2	
88	15.9	0.0	31.6	





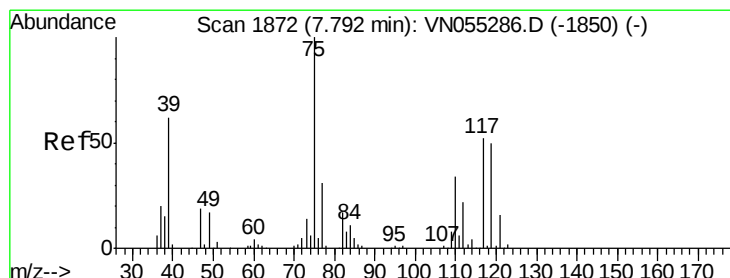
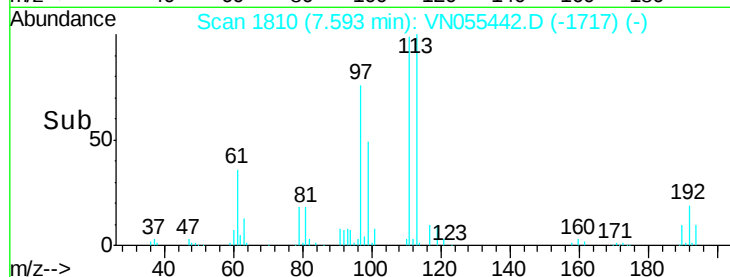
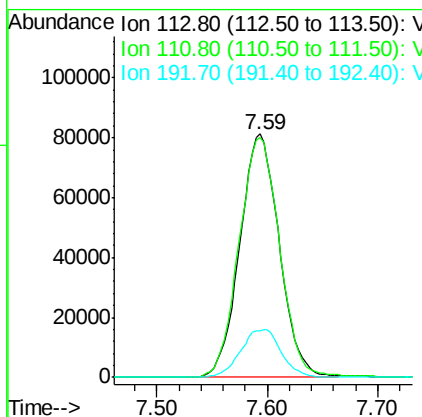
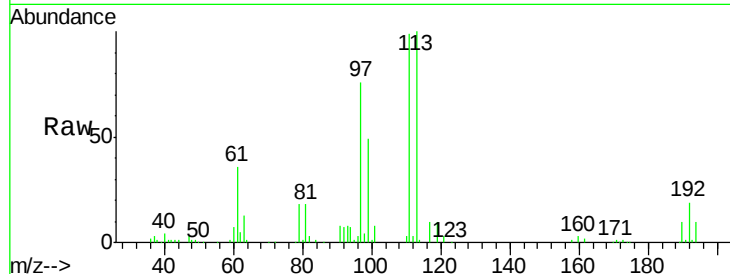
#35
Dibromofluoromethane
Concen: 50.963 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201297		
111	101.8	82.3	123.5	
192	20.3	17.0	25.6	

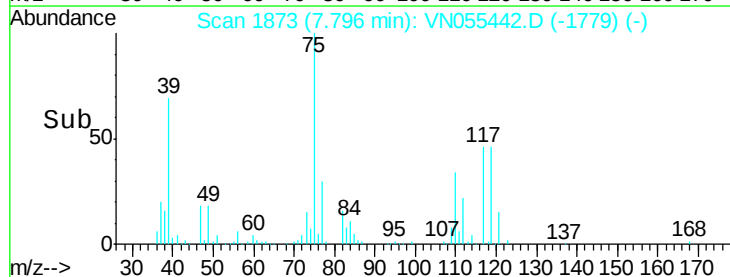
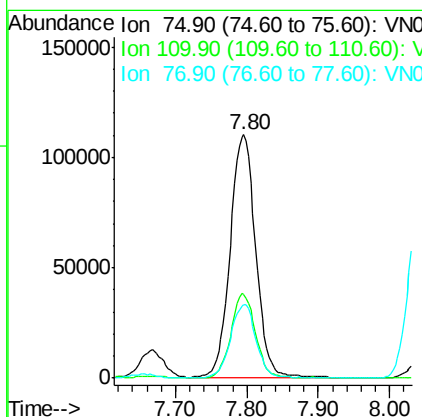
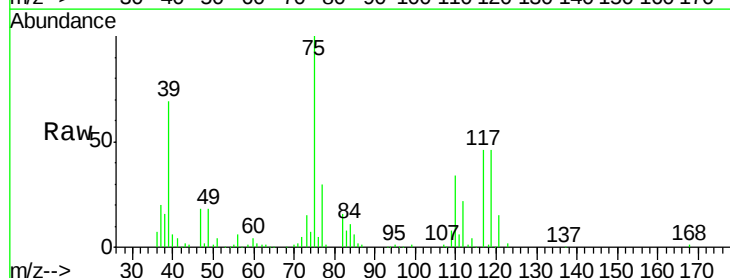
Manual Integrations
APPROVED

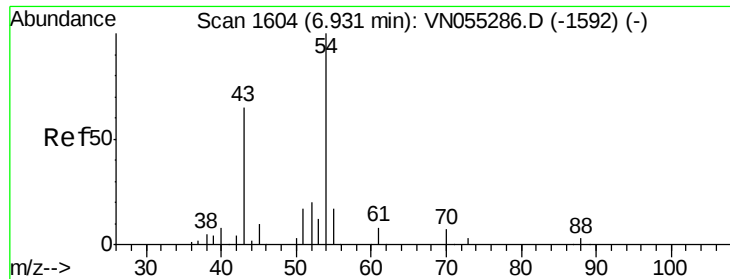
MMDadoda
5/8/2019 10:22:23 AM



#36
1,1-Dichloropropene
Concen: 47.674 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	274794		
110	33.6	16.8	50.4	
77	30.4	25.0	37.6	





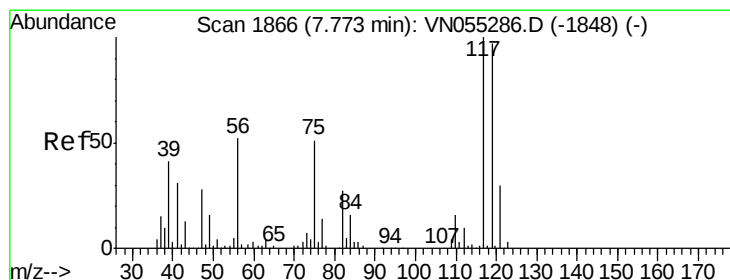
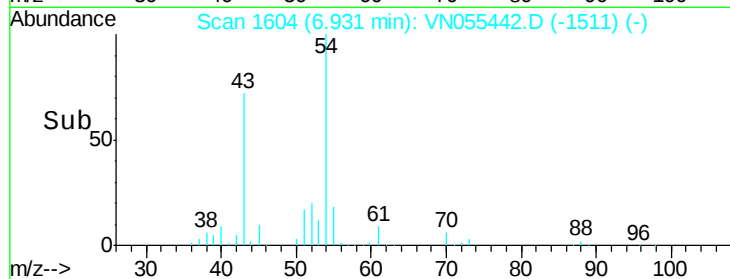
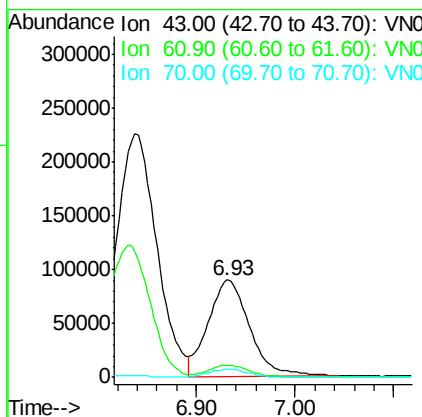
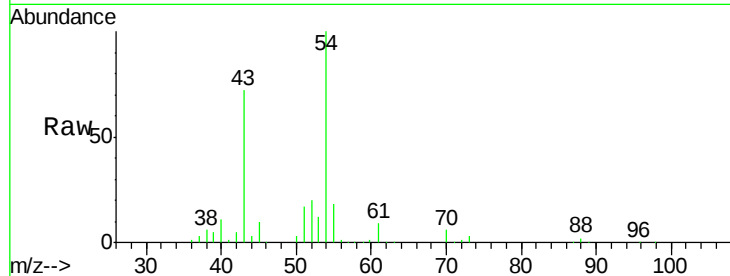
#37
Ethyl Acetate
Concen: 58.948 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.4	15.6
70	8.0	6.6	10.0

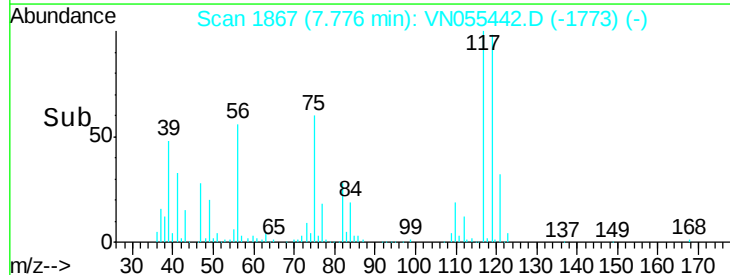
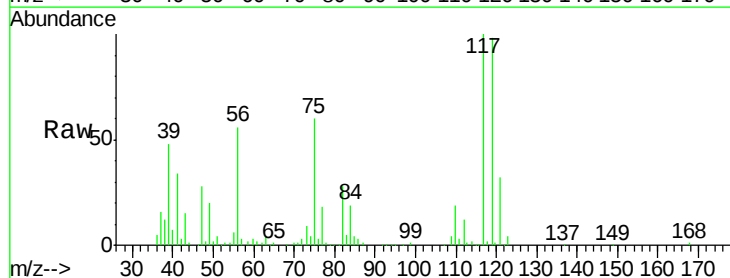
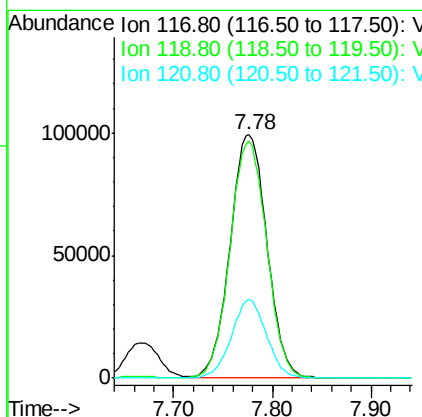
Manual Integrations
APPROVED

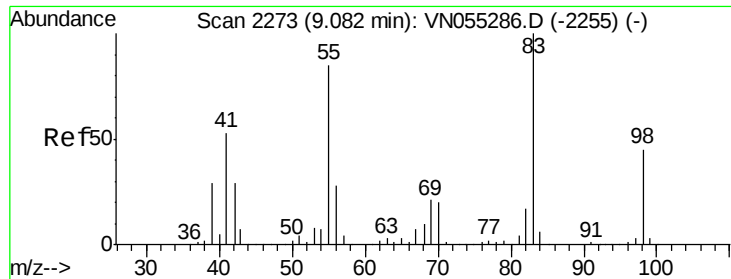
MMDadoda
5/8/2019 10:22:23 AM



#38
Carbon Tetrachloride
Concen: 46.432 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.0	115.6
121	32.3	23.8	35.8





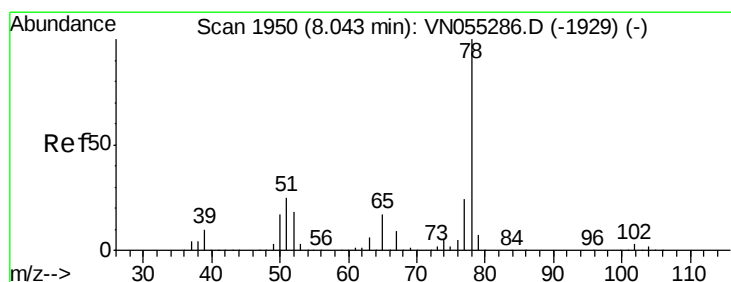
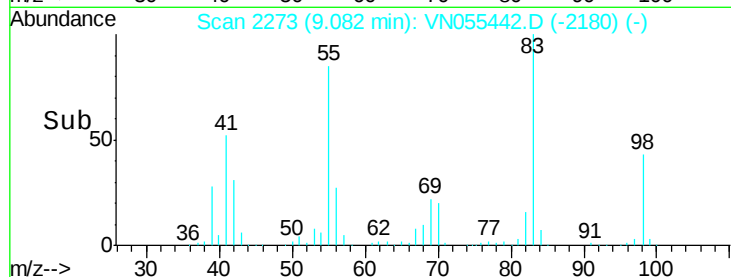
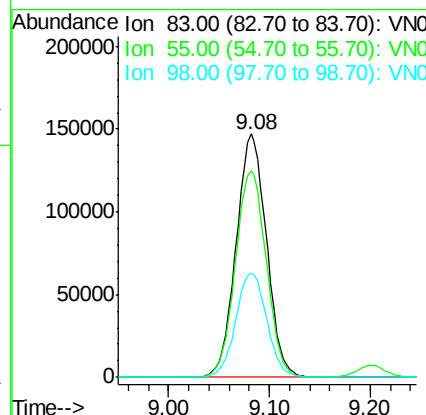
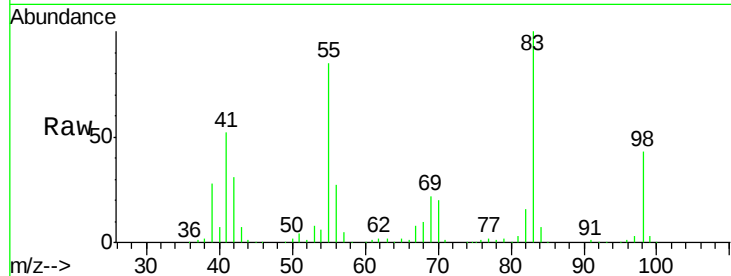
#39
Methvlcvclohexane
Concen: 50.170 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.9	67.8	101.6
98	42.7	36.2	54.4

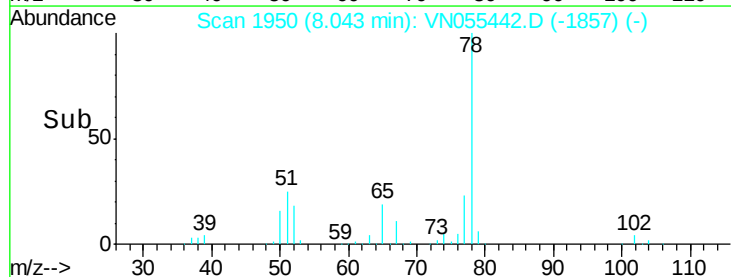
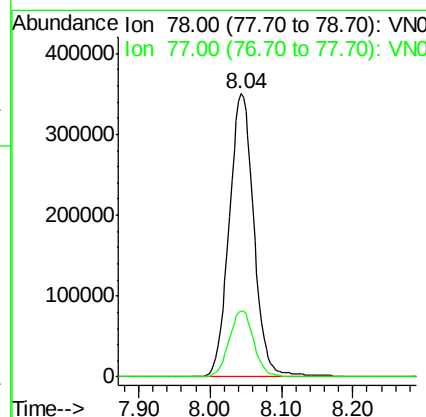
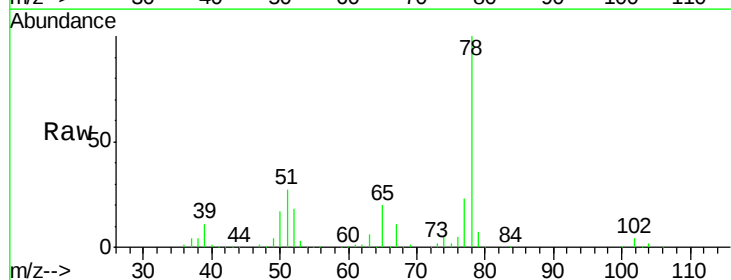
Manual Integrations
APPROVED

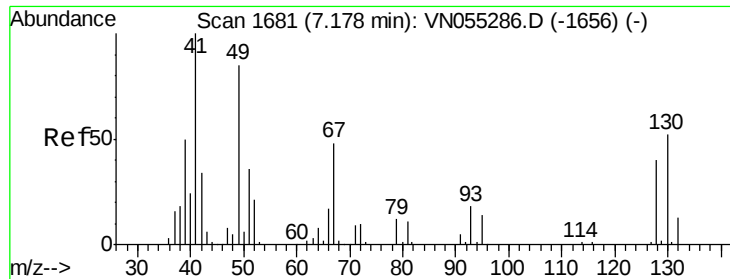
MMDadoda
5/8/2019 10:22:23 AM



#40
Benzene
Concen: 49.703 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





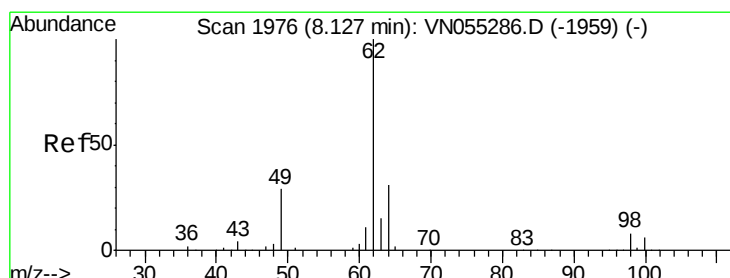
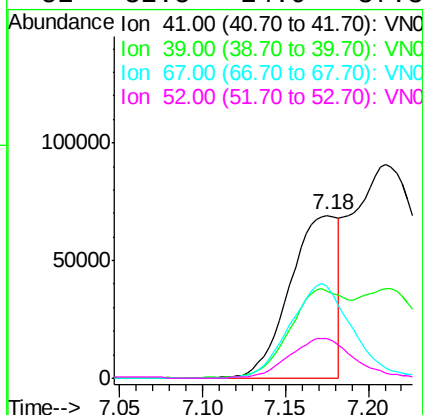
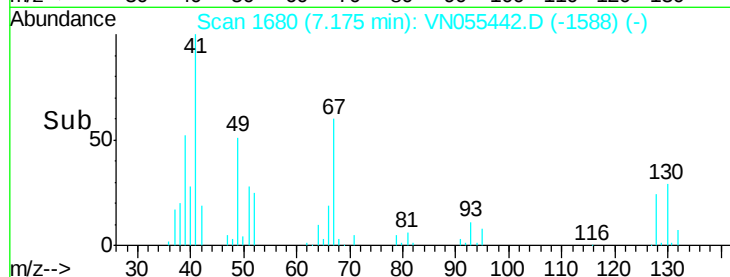
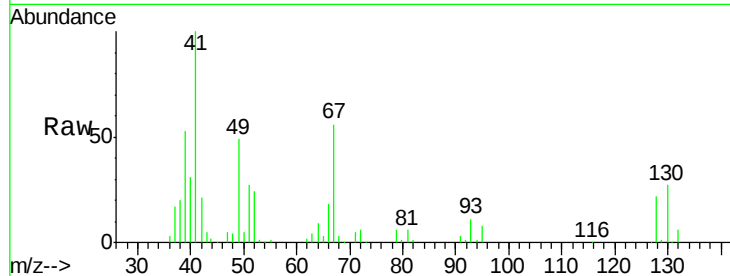
#41
Methacrylonitrile
Concen: 58.471 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-W4-5MS

Tot Ion	41	Resp	140103
Ion Ratio	Lower	Upper	
41	100		
39	66.7	48.5	72.7
67	75.3	54.9	82.3
52	32.5	24.9	37.3

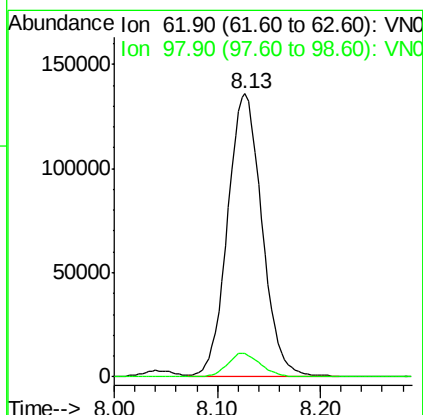
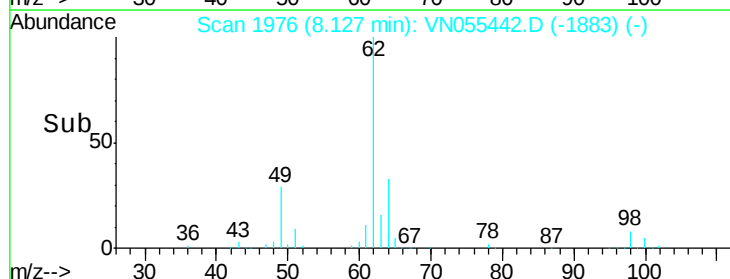
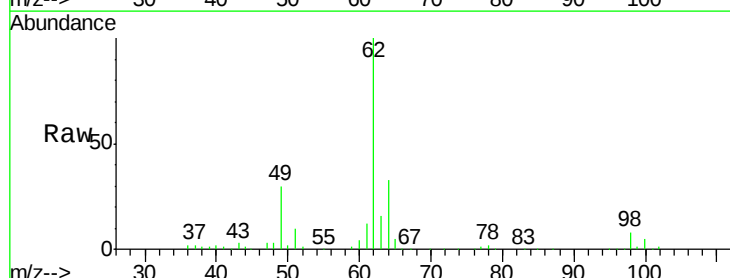
Manual Integrations
APPROVED

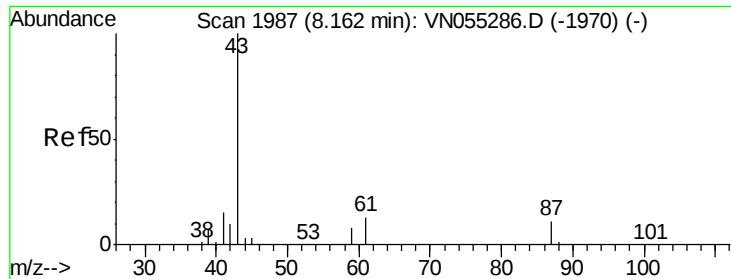
MMDadoda
5/8/2019 10:22:23 AM



#42
1,2-Dichloroethane
Concen: 52.295 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	62	Resp	314723
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	16.4





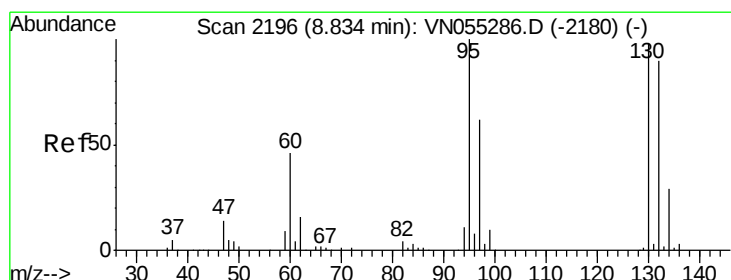
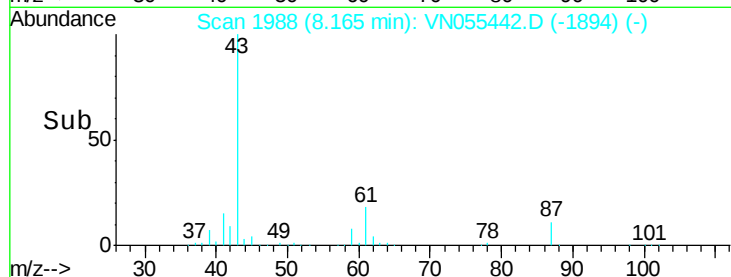
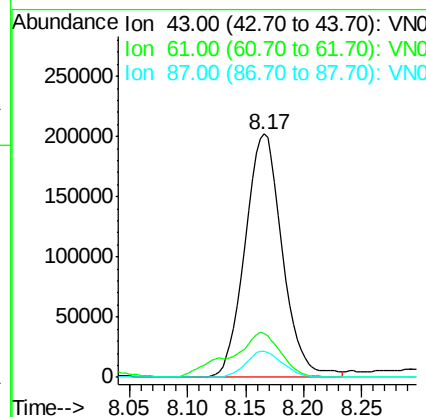
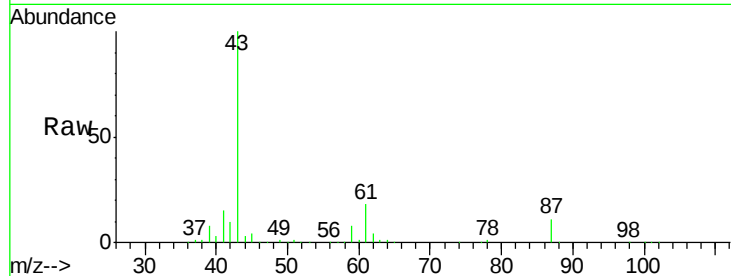
#43
Isopropyl Acetate
Concen: 63.599 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	20.8	31.2#
87	10.6	8.5	12.7

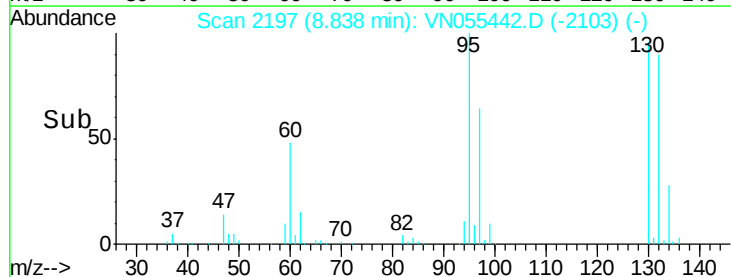
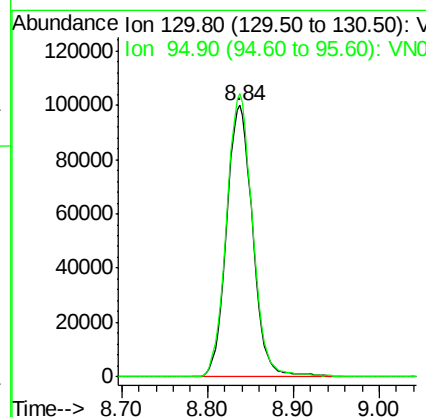
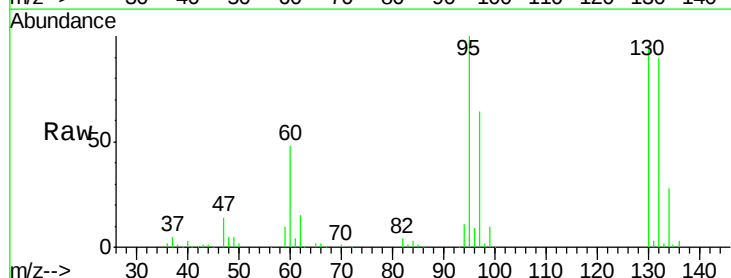
Manual Integrations
APPROVED

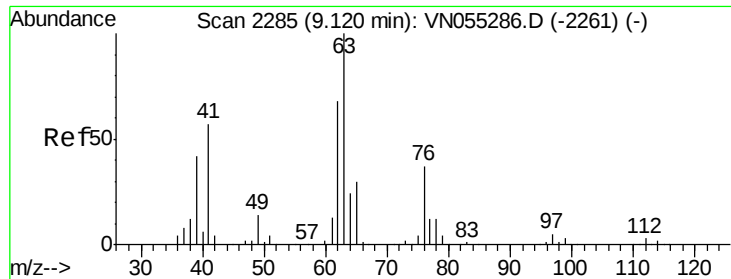
MMDadoda
5/8/2019 10:22:23 AM



#44
Trichloroethene
Concen: 48.637 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	203.4





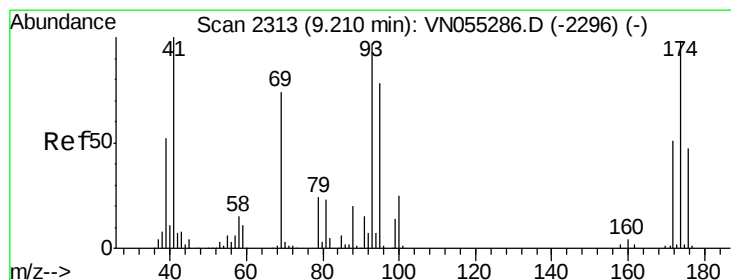
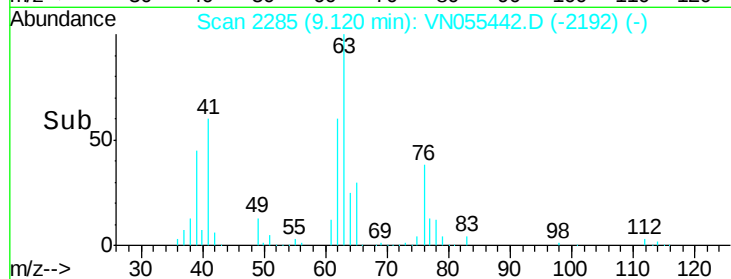
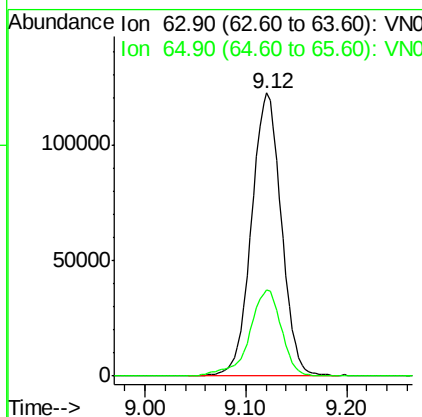
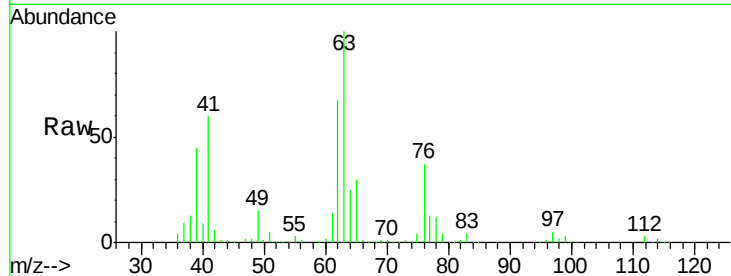
#45
 1,2-Dichloropropane
 Concen: 51.156 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Tot Ion: 63 Resp: 250705
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.9 35.9

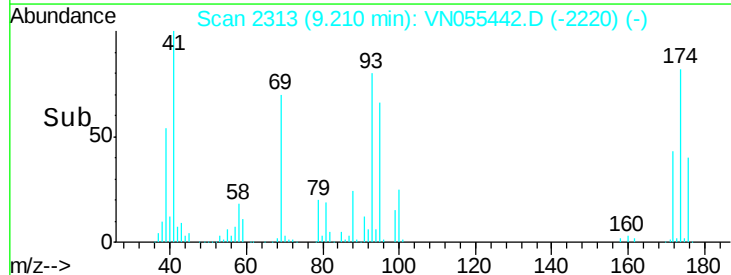
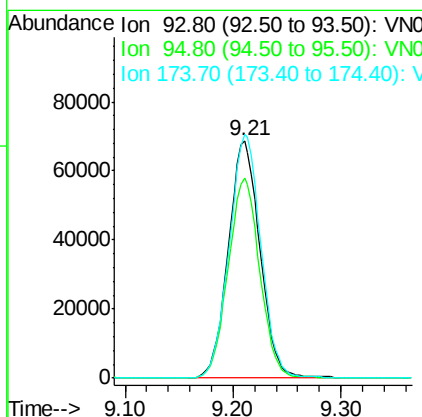
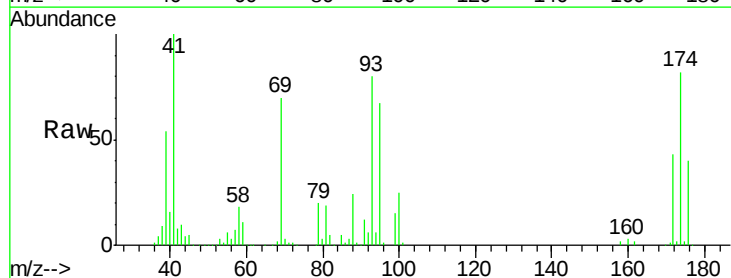
Manual Integrations
 APPROVED

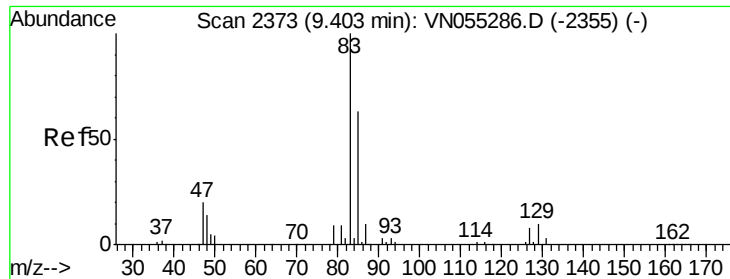
MMDadoda
 5/8/2019 10:22:23 AM



#46
 Dibromomethane
 Concen: 52.493 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion: 93 Resp: 140619
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.7 98.5
 174 102.8 81.5 122.3





#47

Bromodichloromethane

Concen: 51.793 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

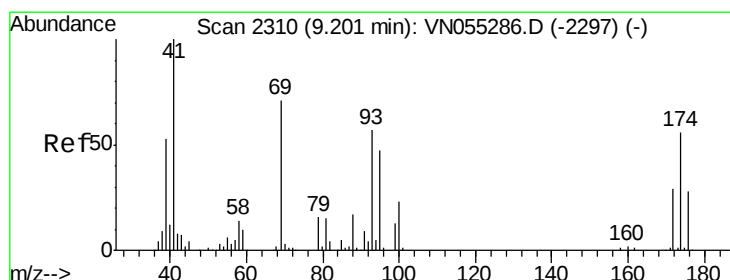
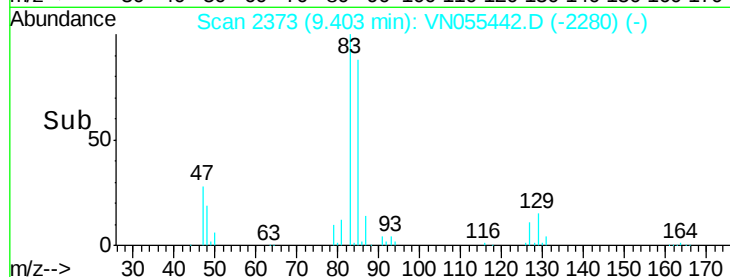
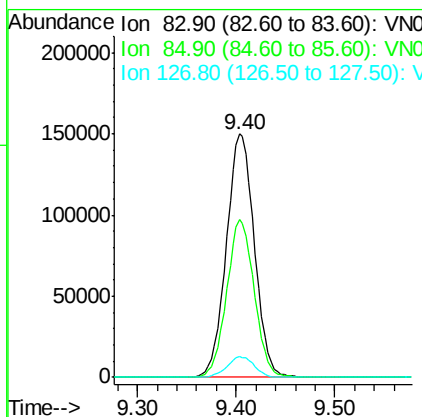
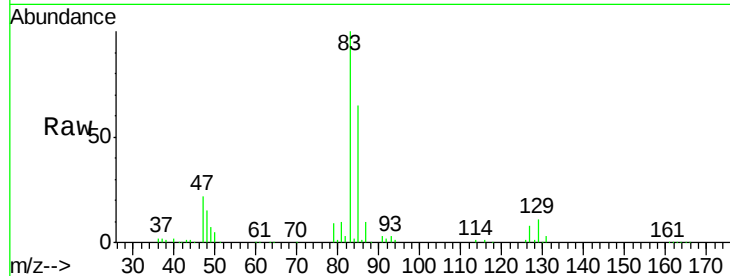
ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:	83	Resp:	297648
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.1	75.1
127	8.3	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM



#48

Methyl methacrylate

Concen: 64.853 ug/l

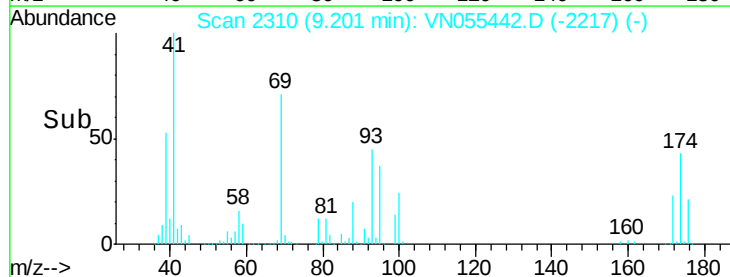
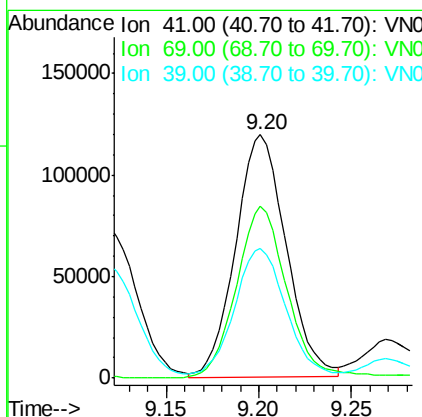
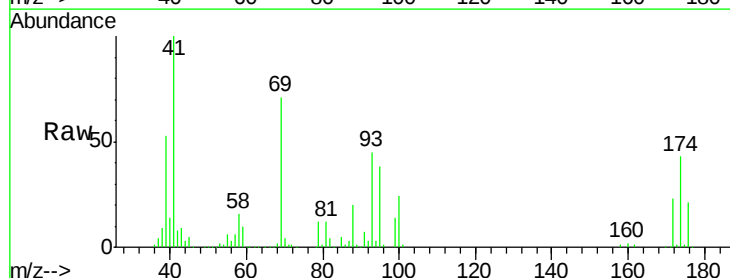
RT: 9.20 min Scan# 2310

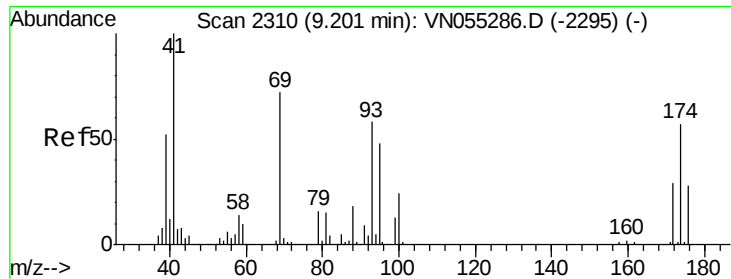
Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Tgt Ion:	41	Resp:	226344
Ion Ratio	Lower	Upper	
41	100		
69	72.3	58.6	87.8
39	54.5	43.8	65.6





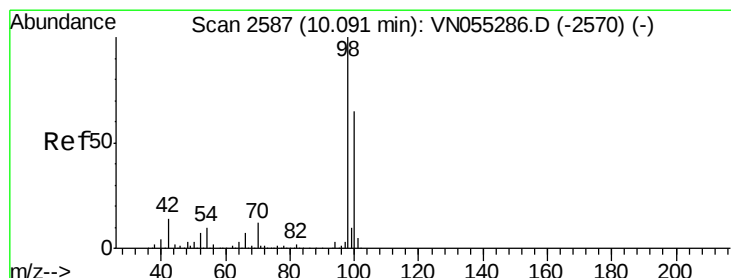
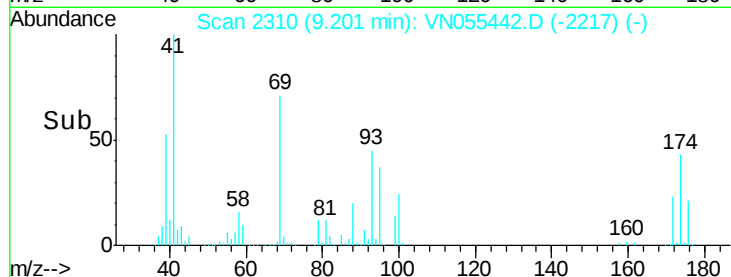
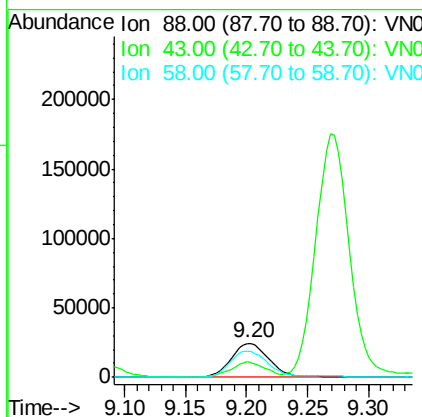
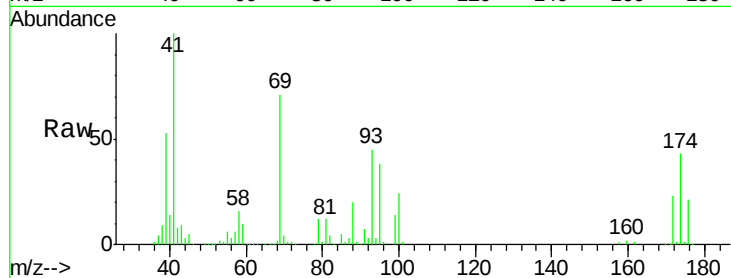
#49
1,4-Dioxane
Concen: 1481.465 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	33.3	49.9
58	77.2	62.7	94.1

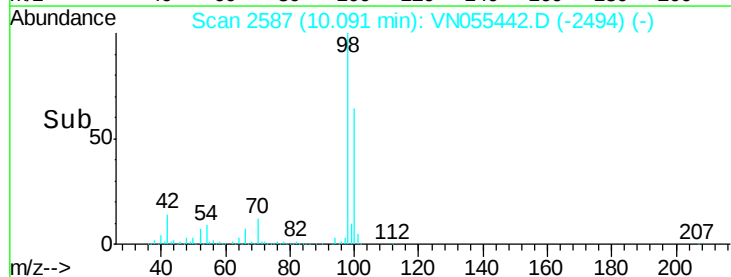
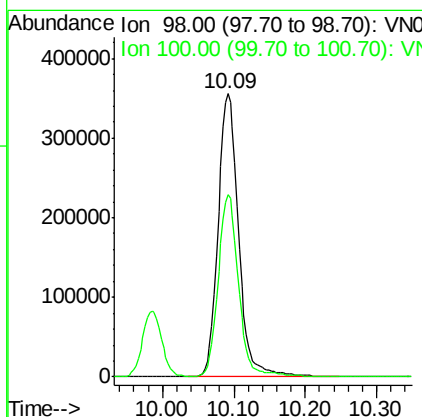
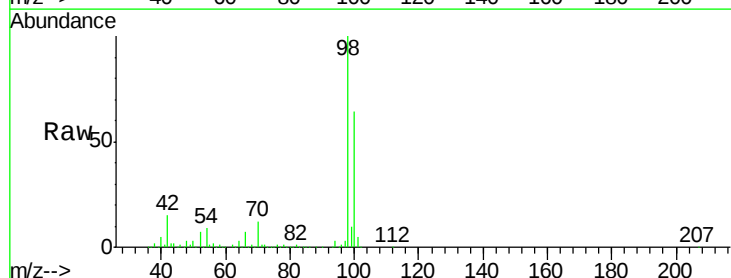
Manual Integrations
APPROVED

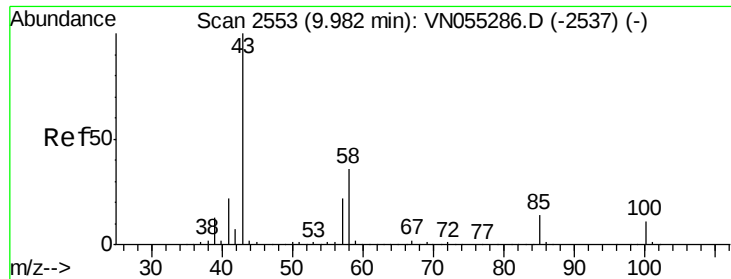
MMDadoda
5/8/2019 10:22:23 AM



#50
Toluene-d8
Concen: 49.611 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





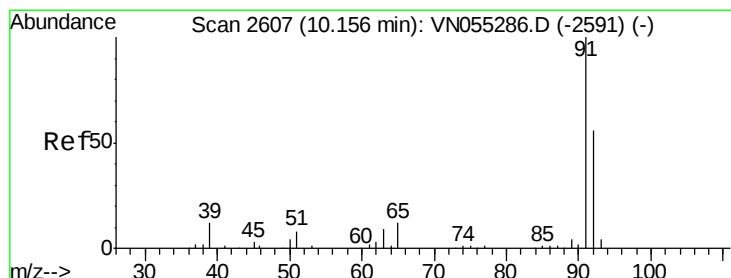
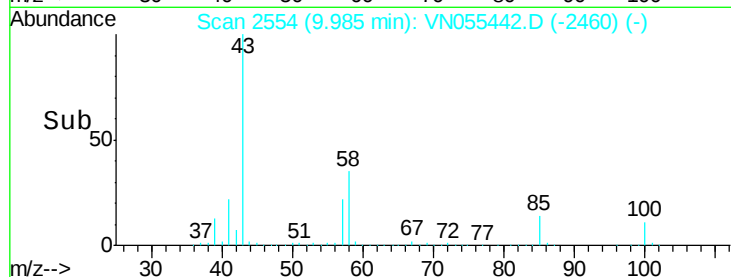
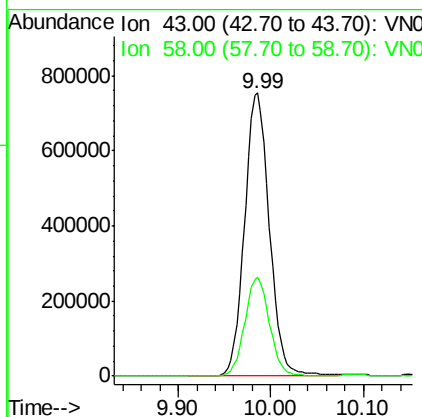
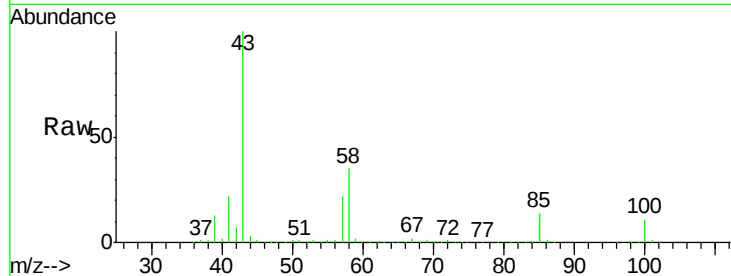
#51
4-Methyl-2-Pentanone
Concen: 349.525 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion: 43 Resp: 1397089
Ion Ratio Lower Upper
43 100
58 34.9 28.5 42.7

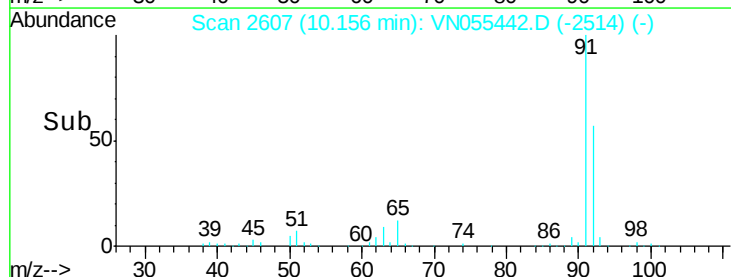
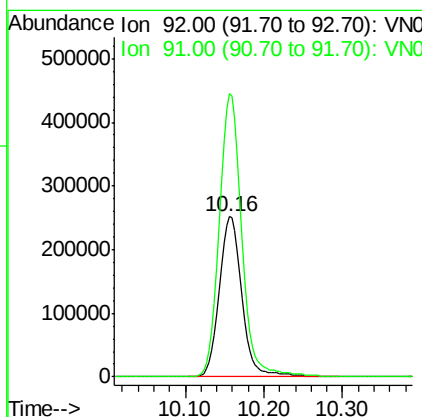
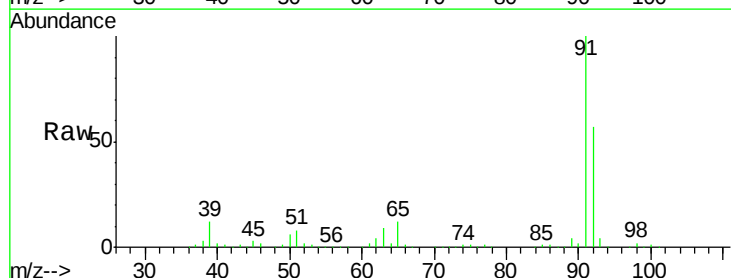
Manual Integrations
APPROVED

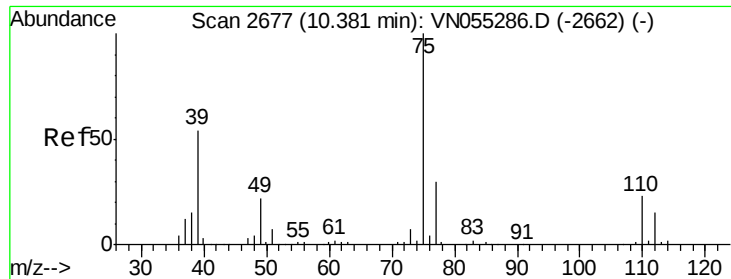
MMDadoda
5/8/2019 10:22:23 AM



#52
Toluene
Concen: 51.124 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion: 92 Resp: 498437
Ion Ratio Lower Upper
92 100
91 175.6 140.1 210.1





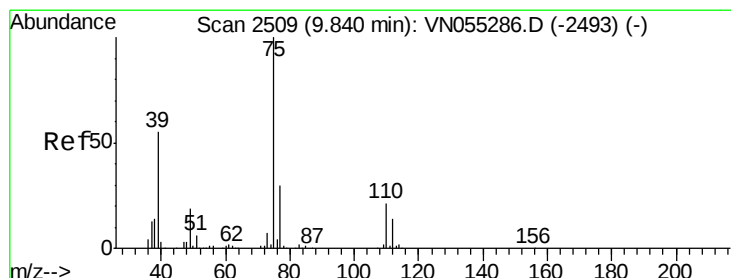
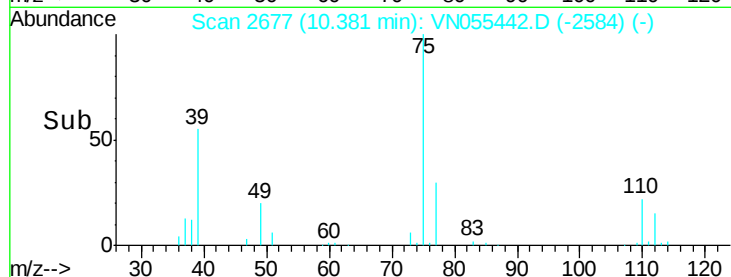
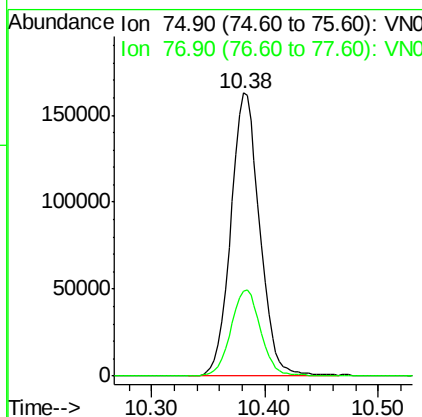
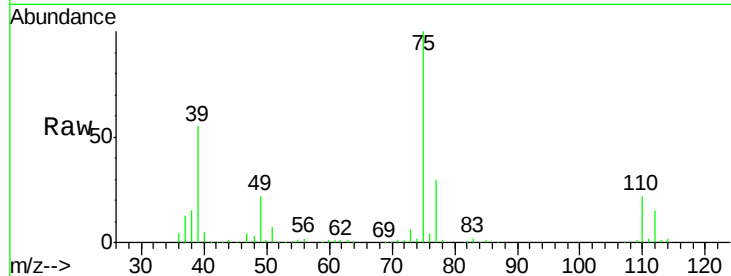
#53
t-1,3-Dichloropropene
Concen: 58.132 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion: 75 Resp: 290010
Ion Ratio Lower Upper
75 100
77 29.9 24.4 36.6

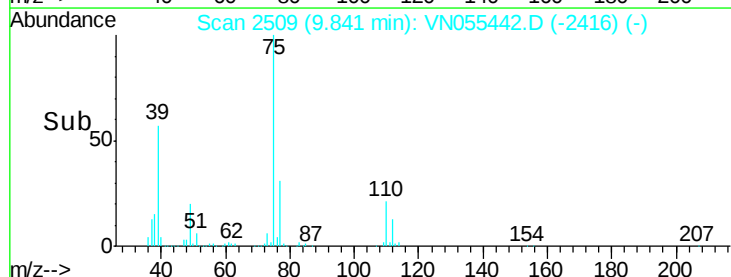
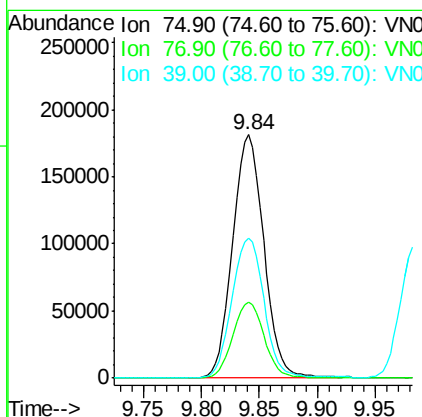
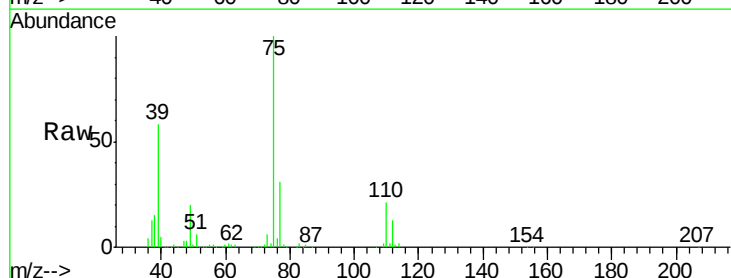
Manual Integrations
APPROVED

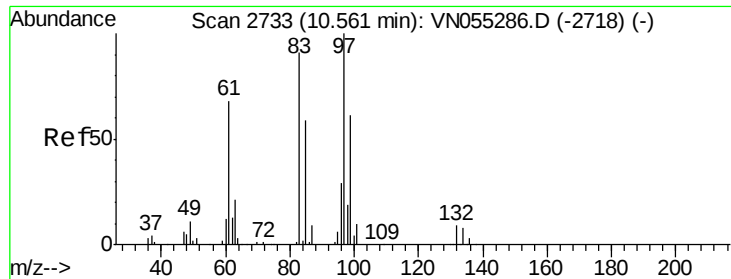
MMDadoda
5/8/2019 10:22:23 AM



#54
cis-1,3-Dichloropropene
Concen: 54.541 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion: 75 Resp: 339250
Ion Ratio Lower Upper
75 100
77 31.1 24.2 36.2
39 57.4 44.2 66.2





#55

1,1,2-Trichloroethane

Concen: 55.730 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

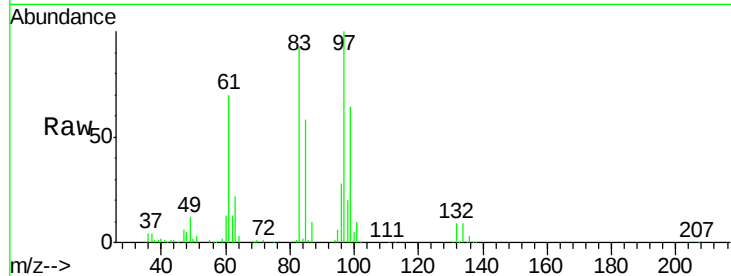
ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:	97	Resp:	201764
Ion	Ratio	Lower	Upper
97	100		
83	93.2	72.8	109.2
85	57.7	47.0	70.6
99	63.4	49.0	73.4

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM

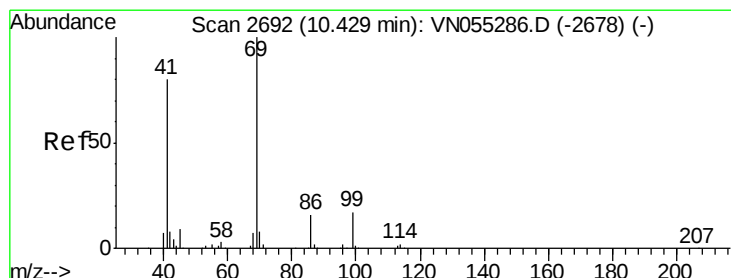
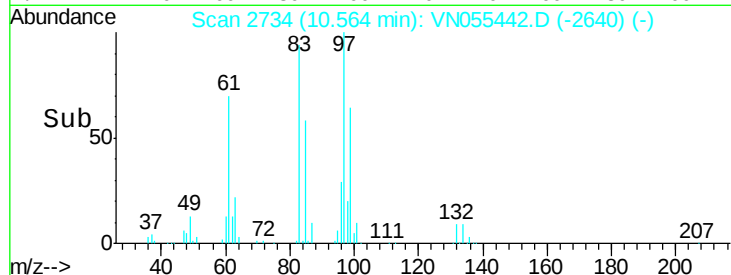
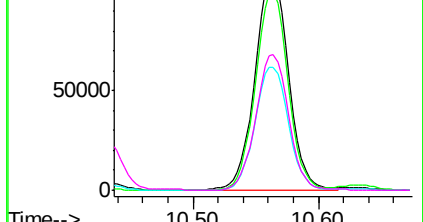


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 65.252 ug/l

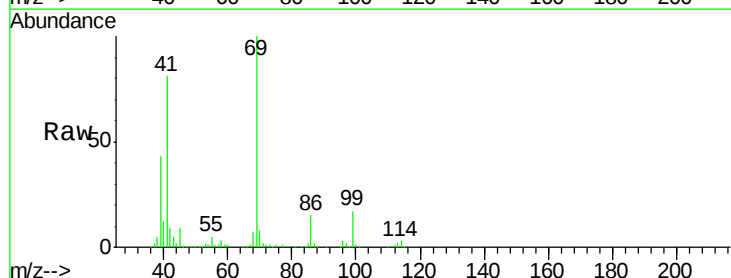
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

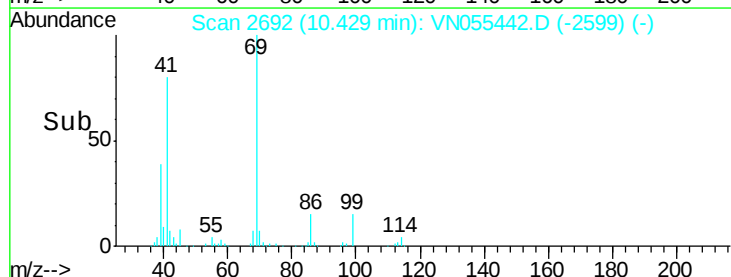
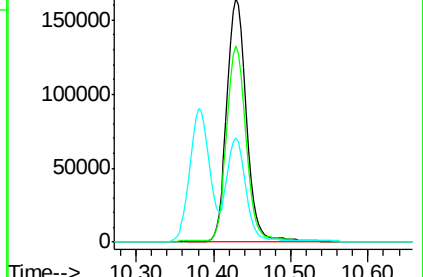
Tgt Ion:	69	Resp:	290773
Ion	Ratio	Lower	Upper
69	100		
41	78.5	62.7	94.1
39	41.2	32.0	48.0

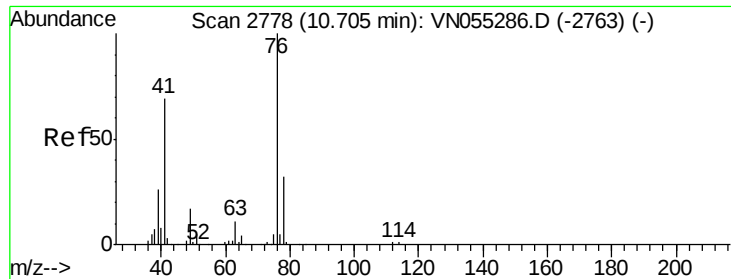


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 55.555 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion: 76 Resp: 352840

Ion Ratio Lower Upper

76 100

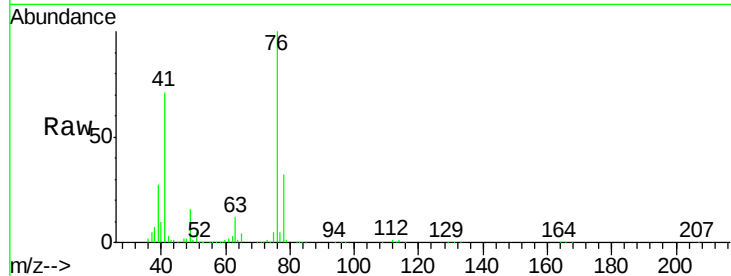
78 32.6 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

5/8/2019 10:22:23 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

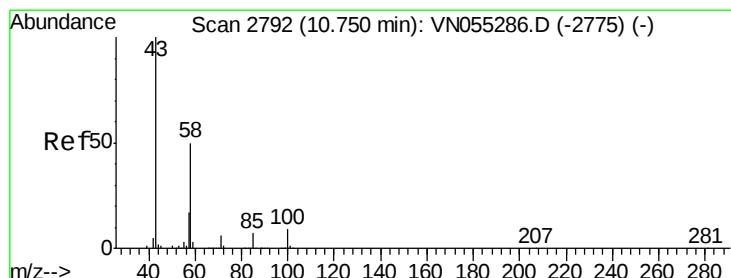
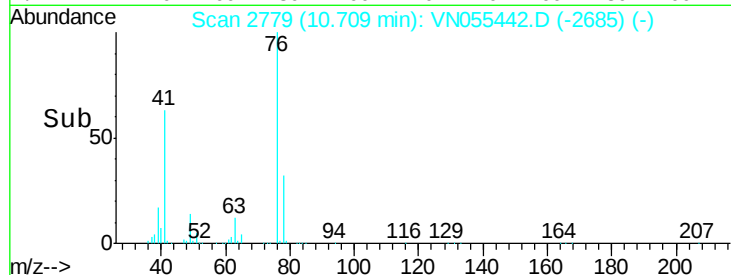
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#59

2-Hexanone

Concen: 357.980 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055442.D

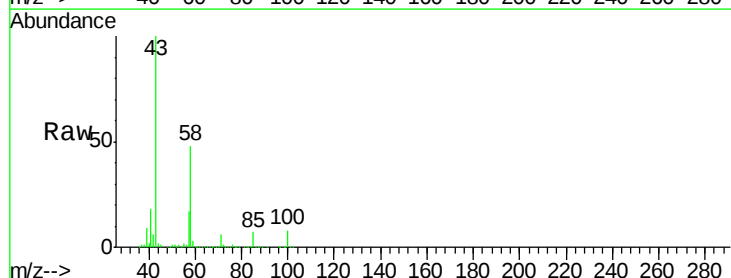
Acq: 7 May 2019 17:10

Tgt Ion: 43 Resp: 895284

Ion Ratio Lower Upper

43 100

58 48.3 24.9 74.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

600000

500000

400000

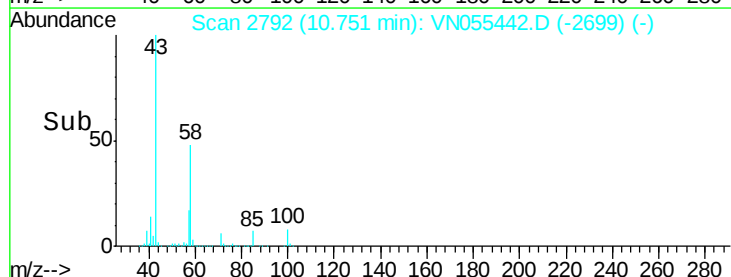
300000

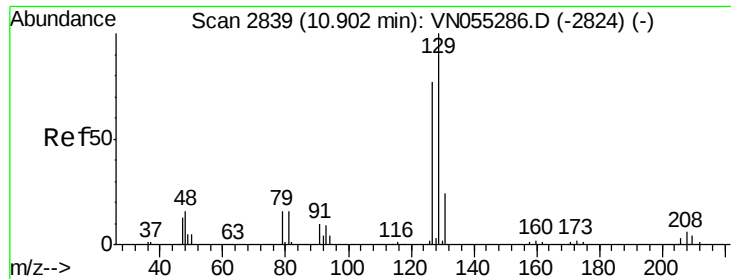
200000

100000

0

Time--> 10.70 10.80





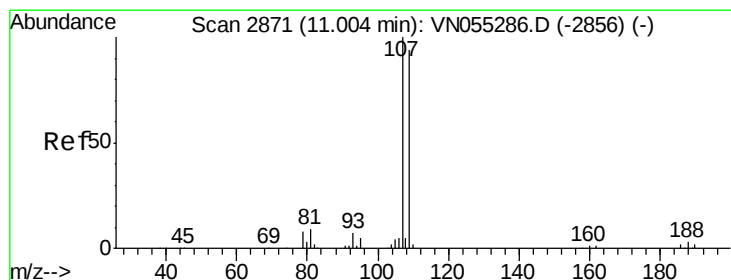
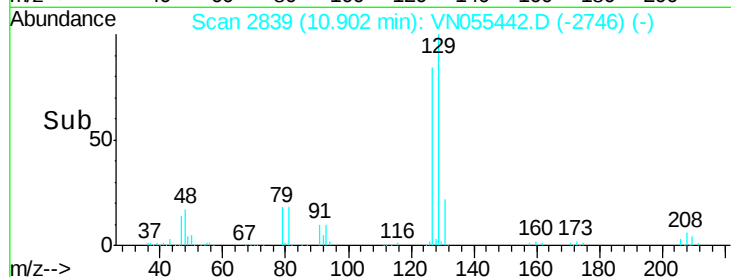
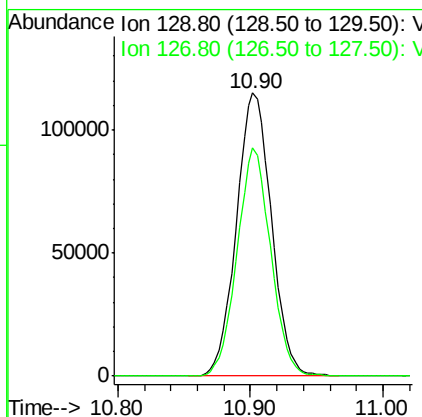
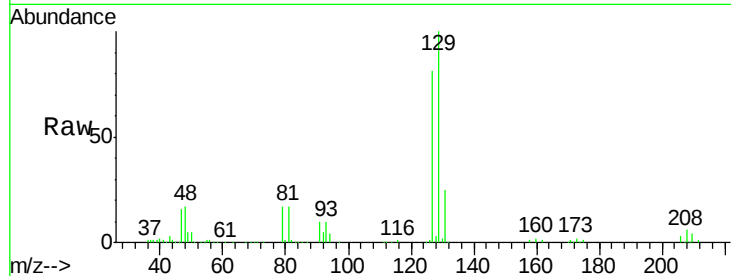
#60
Dibromochloromethane
Concen: 57.031 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.1	114.5

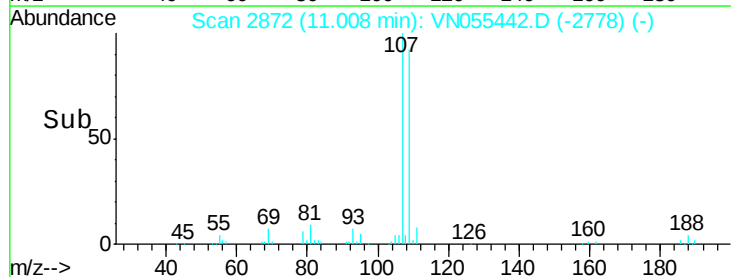
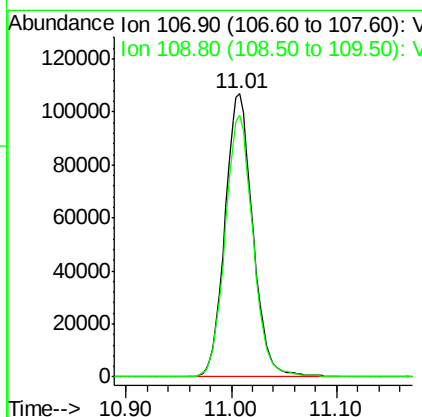
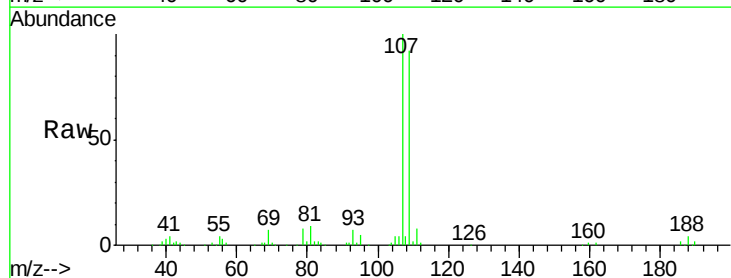
Manual Integrations
APPROVED

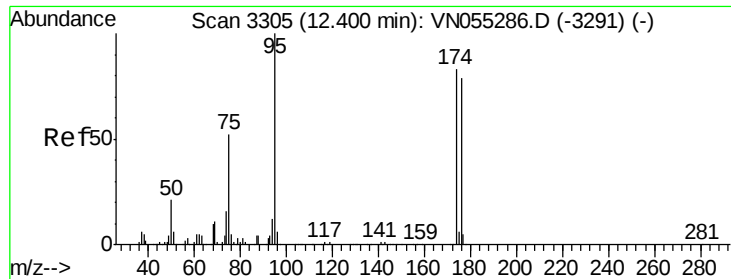
MMDadoda
5/8/2019 10:22:23 AM



#61
1,2-Dibromoethane
Concen: 58.104 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.0	112.6





#62

4-Bromofluorobenzene

Concen: 56.322 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

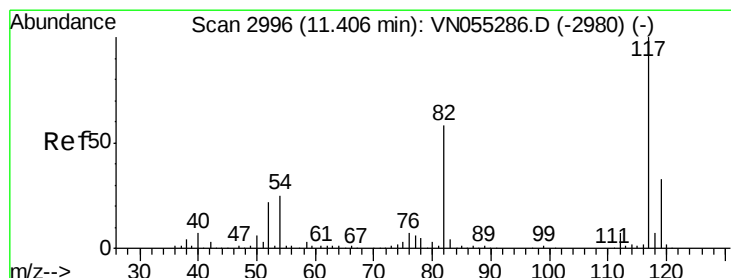
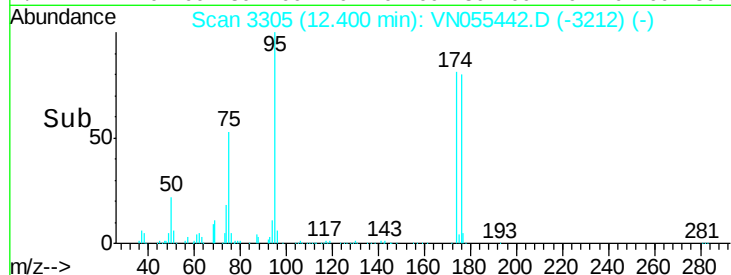
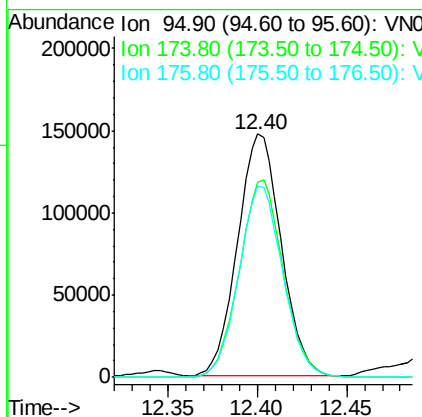
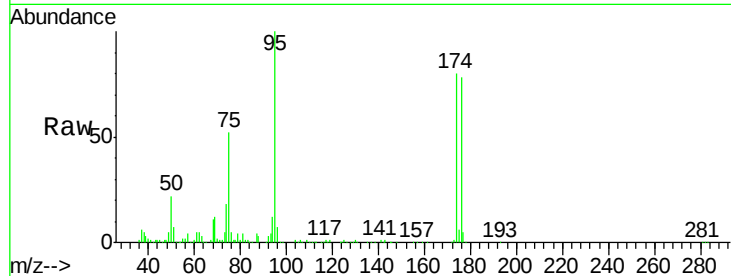
ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:	95	Resp:	251055
Ion Ratio	Lower	Upper	
95	100		
174	82.2	0.0	166.6
176	79.9	0.0	157.8

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

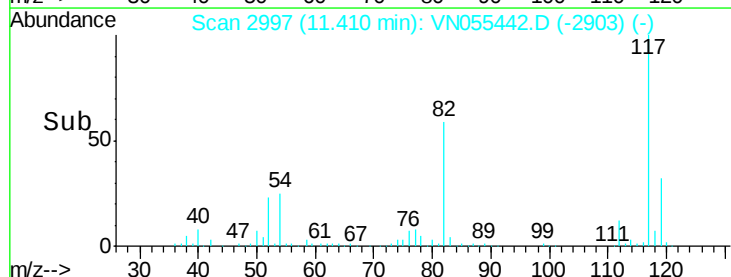
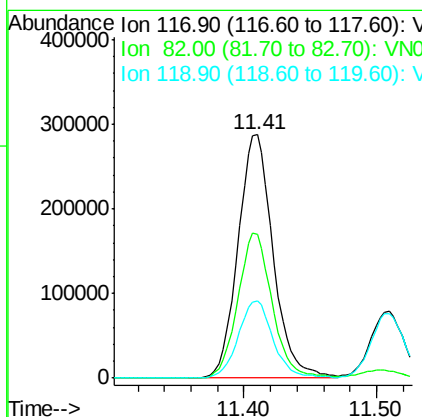
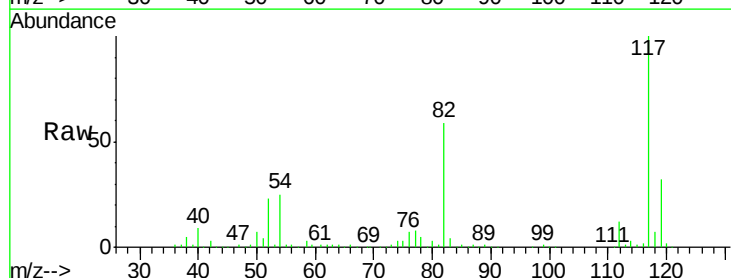
RT: 11.41 min Scan# 2997

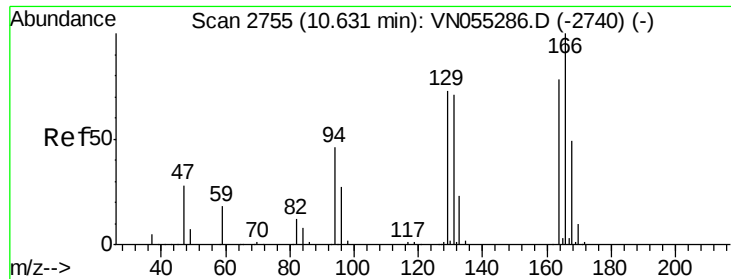
Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Tgt Ion:	117	Resp:	529565
Ion Ratio	Lower	Upper	
117	100		
82	58.8	46.2	69.4
119	31.9	26.6	40.0





#64

Tetrachloroethene

Concen: 45.014 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:164 Resp: 194942

Ion Ratio Lower Upper

164 100

166 129.4 102.3 153.5

129 94.6 75.0 112.6

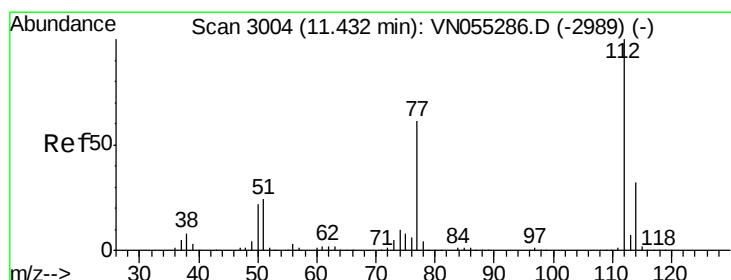
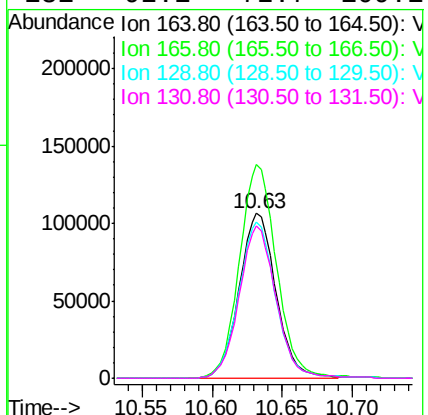
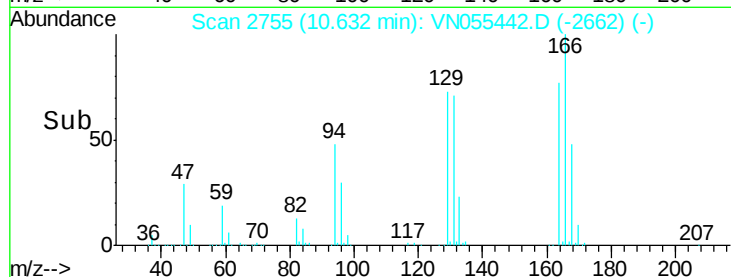
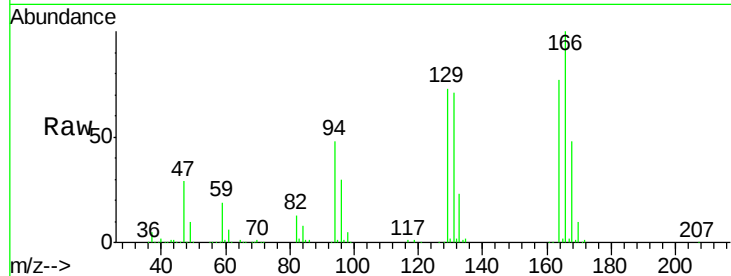
131 92.1 72.7 109.1

Manual Integrations

APPROVED

MMDadoda

5/8/2019 10:22:23 AM



#65

Chlorobenzene

Concen: 49.969 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055442.D

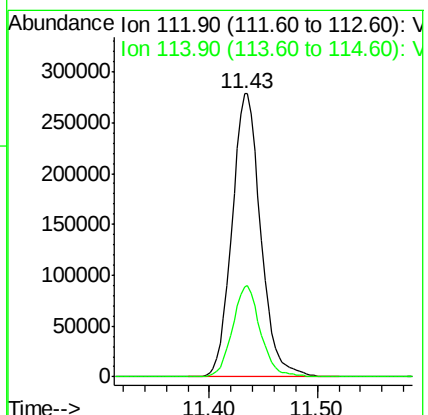
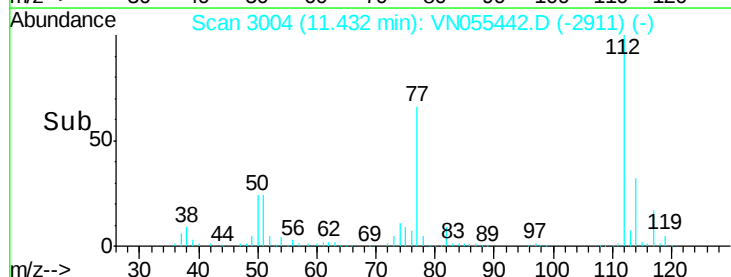
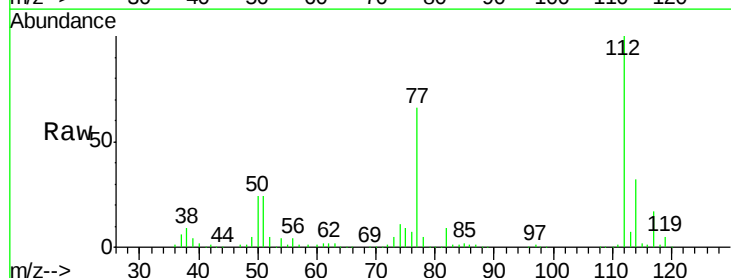
Acq: 7 May 2019 17:10

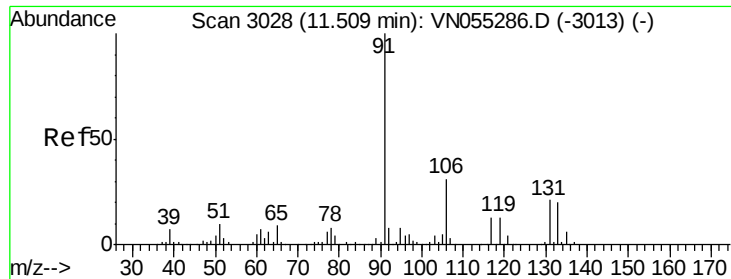
Tgt Ion:112 Resp: 517367

Ion Ratio Lower Upper

112 100

114 31.9 25.3 37.9





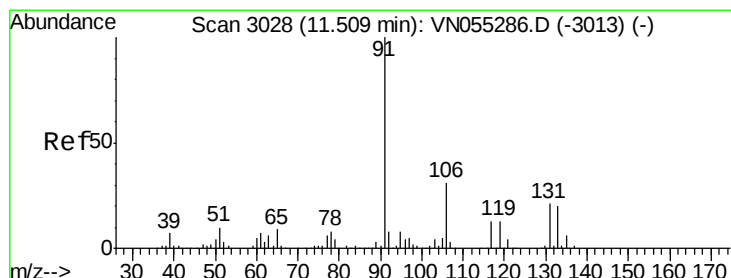
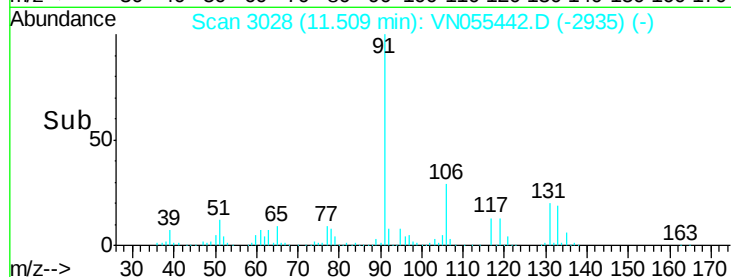
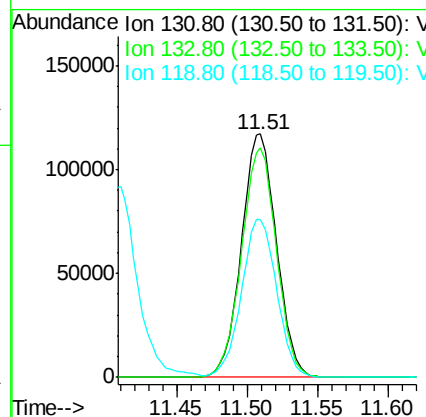
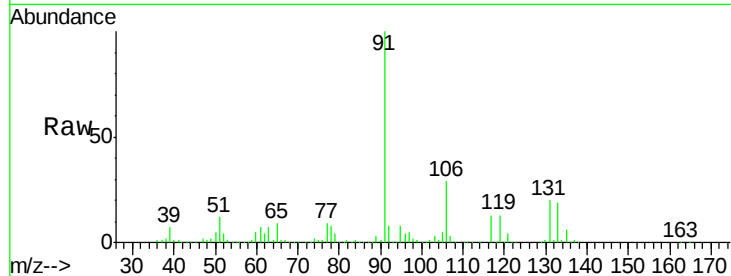
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.287 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.0	47.5	142.6
119	65.3	32.7	98.1

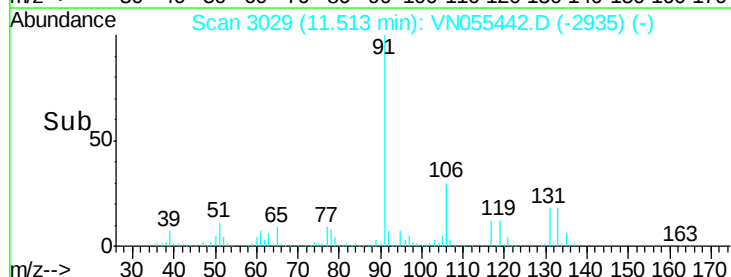
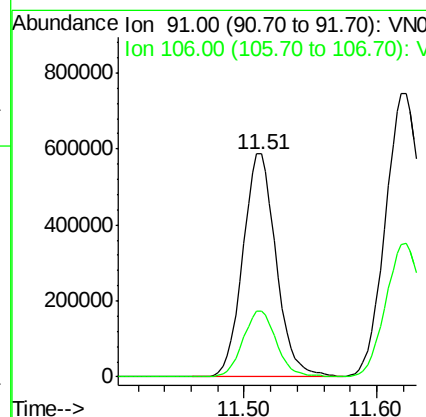
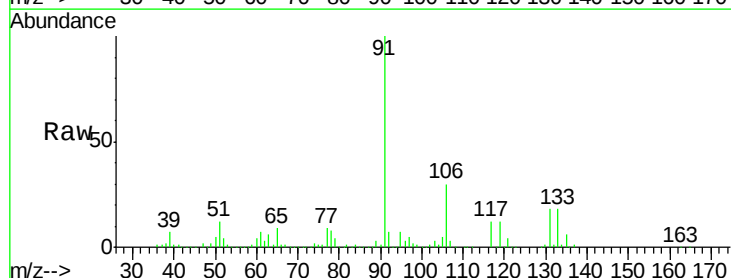
Manual Integrations
 APPROVED

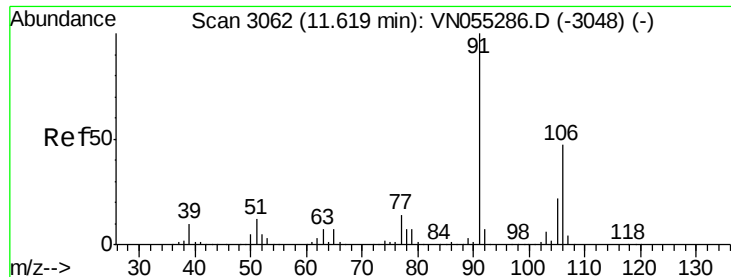
MMDadoda
 5/8/2019 10:22:23 AM



#67
 Ethyl Benzene
 Concen: 54.712 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.6	36.8





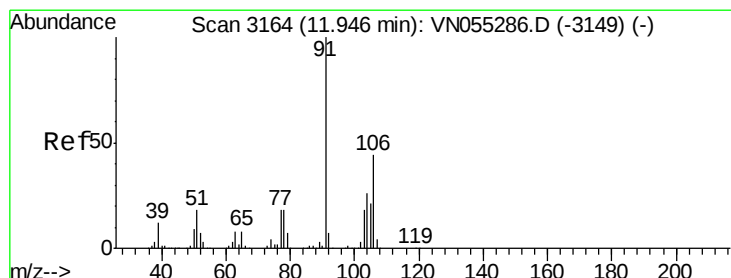
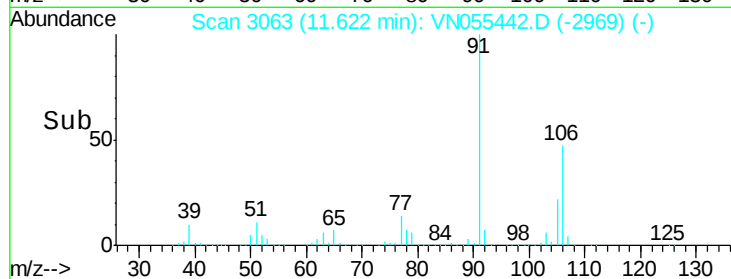
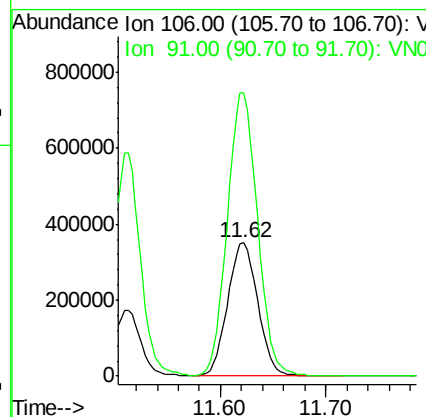
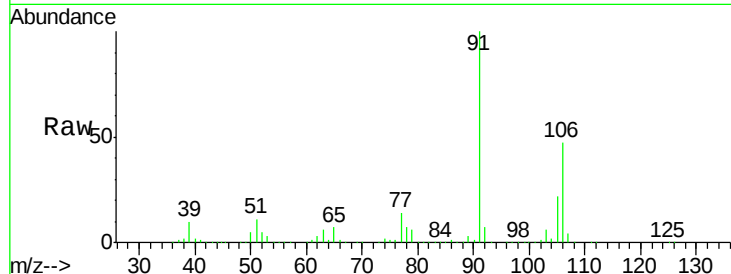
#68
m/p-Xylenes
Concen: 104.358 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampled :
EP1-PZ-W4-5MS

Tot Ion:106 Resp: 696452
Ion Ratio Lower Upper
106 100
91 212.2 169.5 254.3

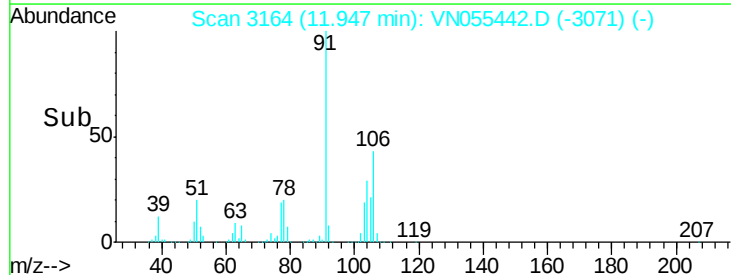
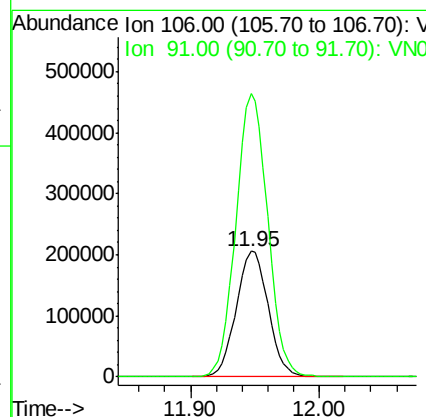
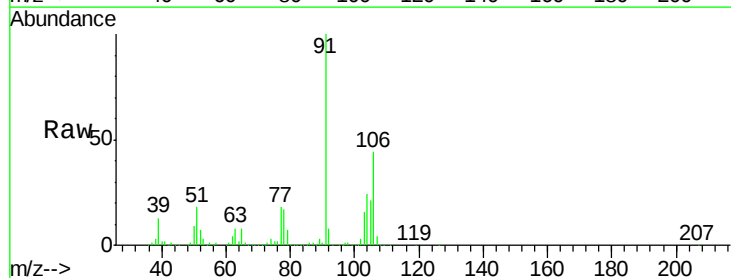
Manual Integrations
APPROVED

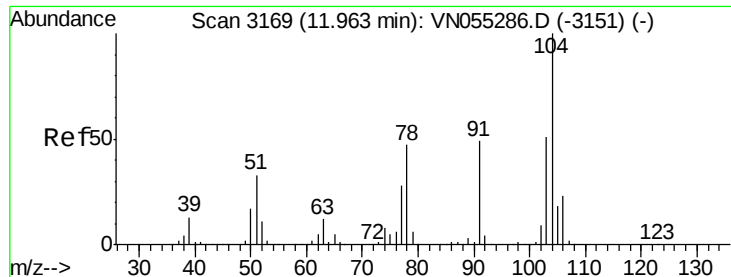
MMDadoda
5/8/2019 10:22:23 AM



#69
o-Xylene
Concen: 53.552 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion:106 Resp: 354234
Ion Ratio Lower Upper
106 100
91 224.2 111.5 334.5





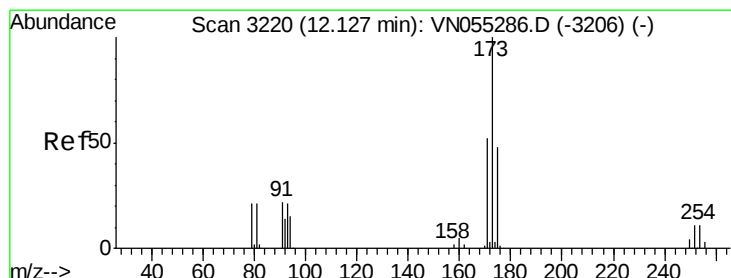
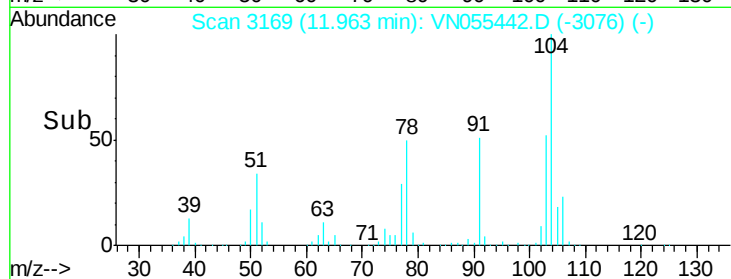
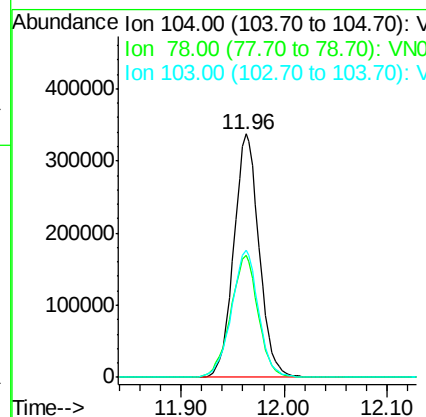
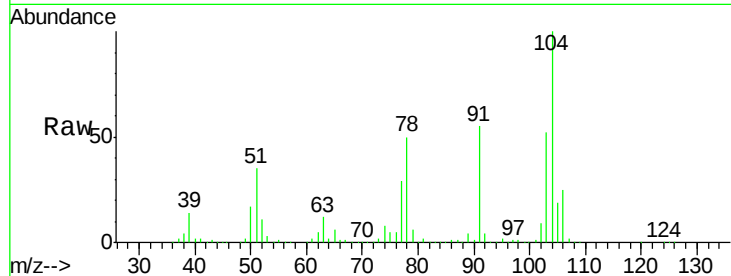
#70
Stvrene
Concen: 56.808 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.2	63.2
103	55.7	44.6	67.0

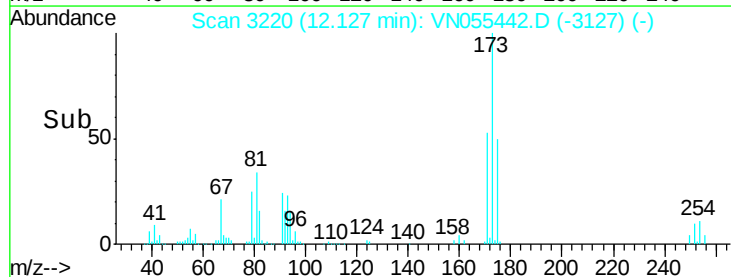
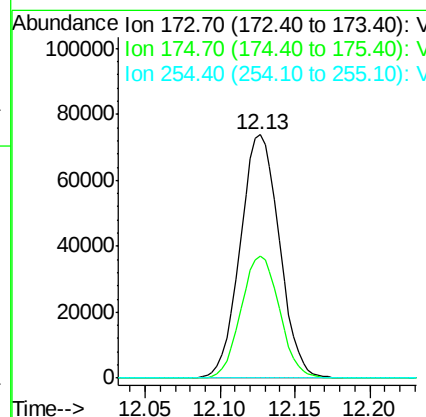
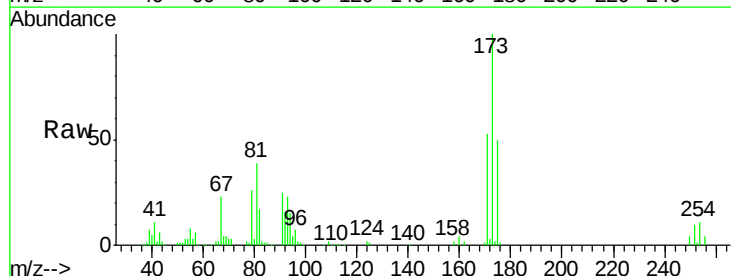
Manual Integrations
APPROVED

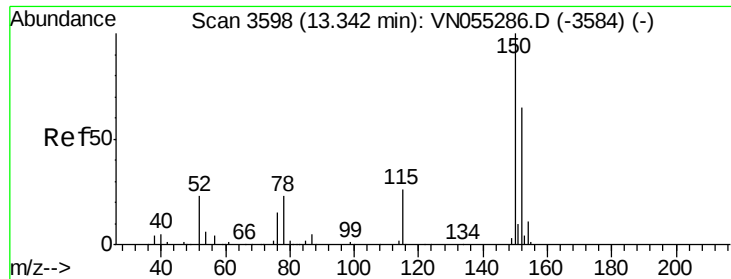
MMDadoda
5/8/2019 10:22:23 AM



#71
Bromoform
Concen: 59.788 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.6	71.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:152 Resp: 232884

Ion Ratio Lower Upper

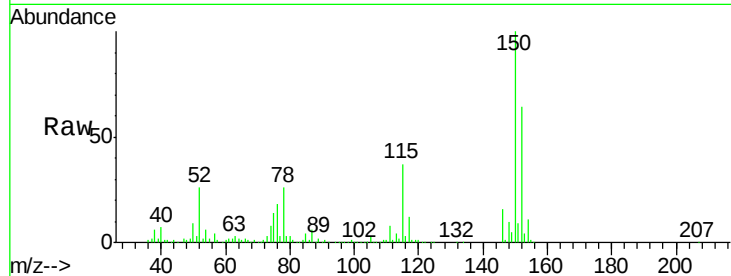
152 100

115 72.4 29.0 87.0

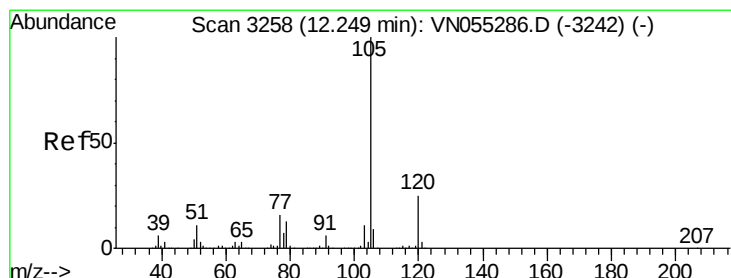
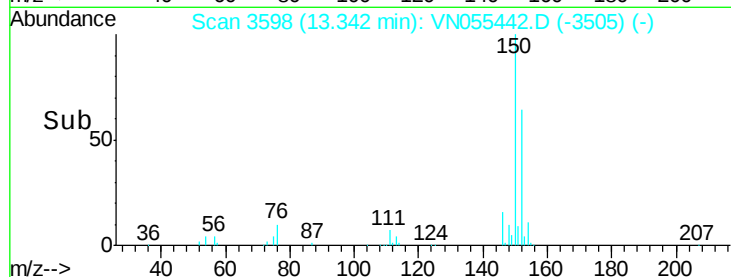
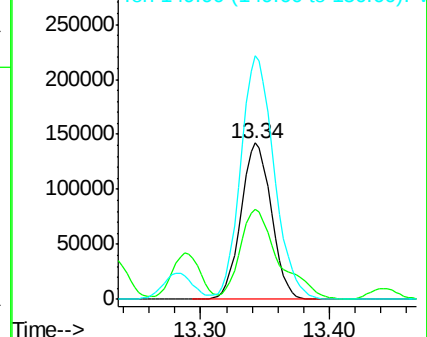
150 171.3 0.0 345.6

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM



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: 59.600 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055442.D

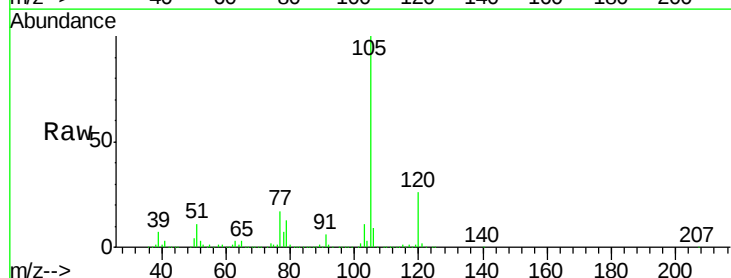
Acq: 7 May 2019 17:10

Tgt Ion:105 Resp: 1093172

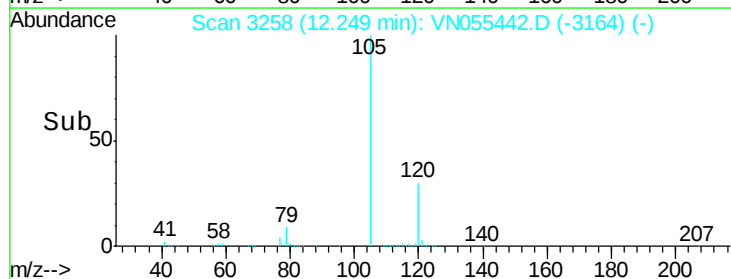
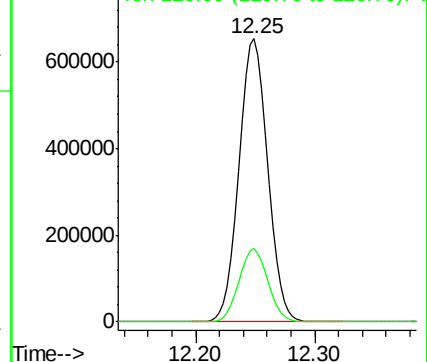
Ion Ratio Lower Upper

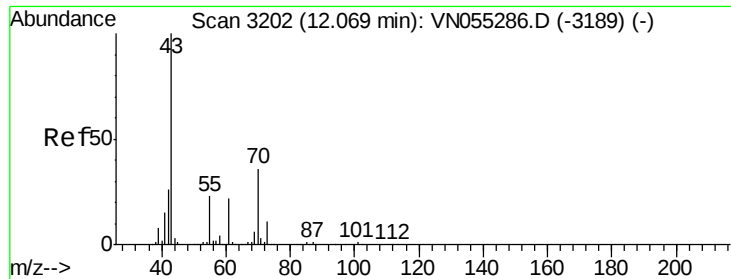
105 100

120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 61.380 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

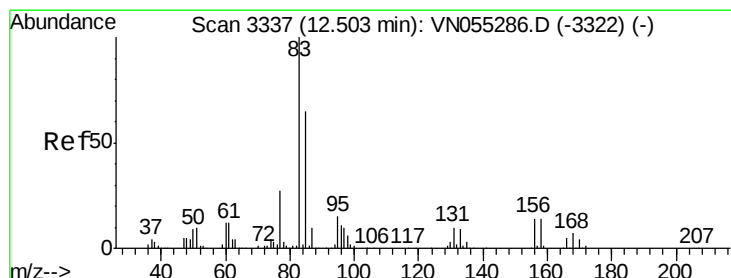
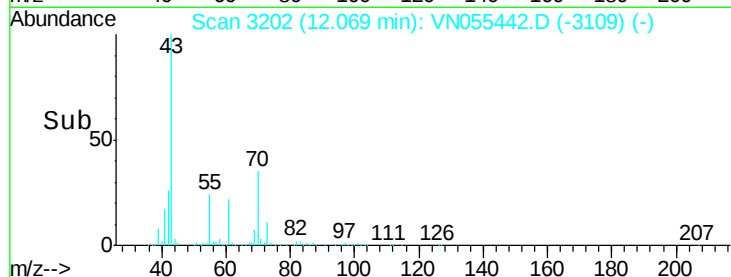
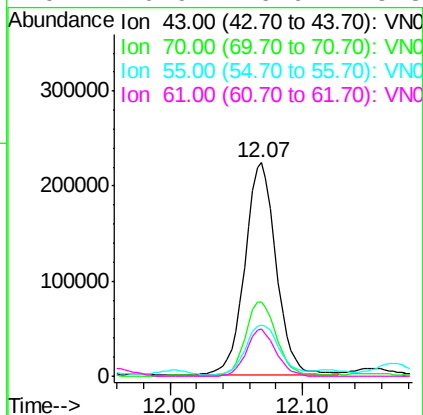
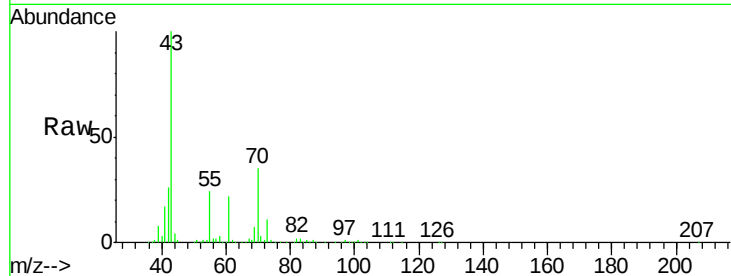
ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion:	43	Resp:	366852
Ion	Ratio	Lower	Upper
43	100		
70	34.3	27.9	41.9
55	24.7	18.2	27.2
61	20.9	16.9	25.3

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 58.612 ug/l

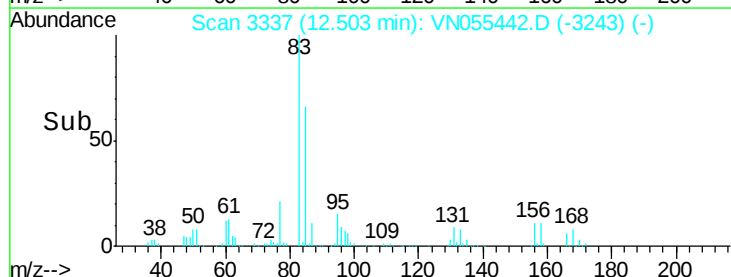
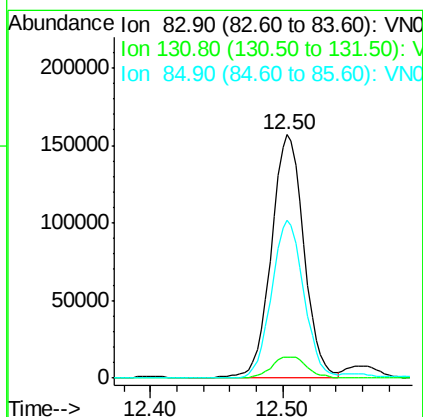
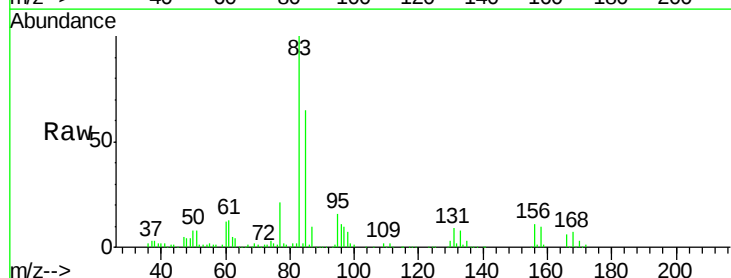
RT: 12.50 min Scan# 3337

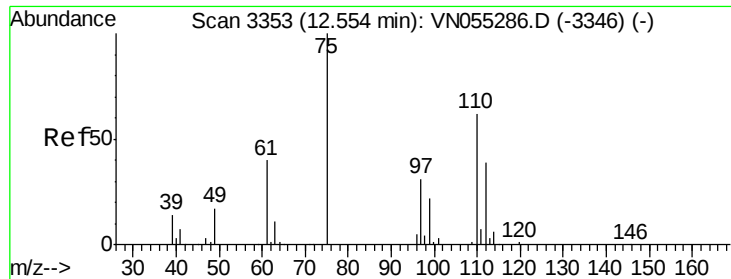
Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Tgt Ion:	83	Resp:	267920
Ion	Ratio	Lower	Upper
83	100		
131	9.5	5.1	15.2
85	64.4	32.3	96.8





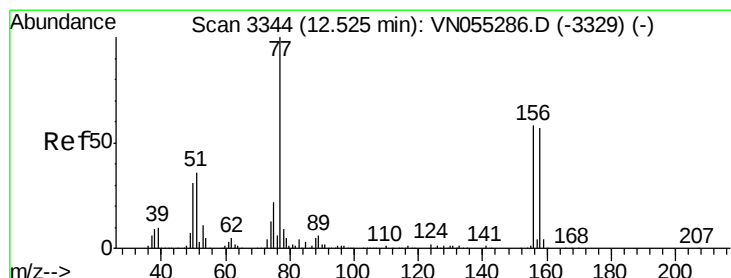
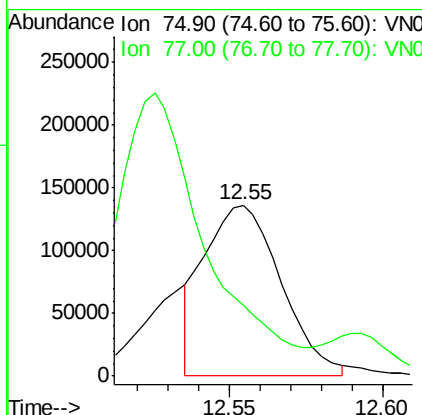
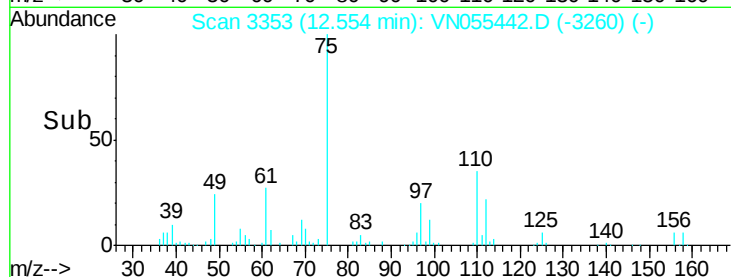
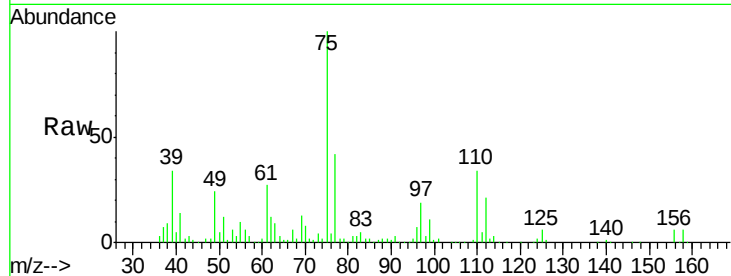
#76
 1,2,3-Trichloropropane
 Concen: 55.535 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-W4-5MS

Tot Ion: 75 Resp: 239189
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

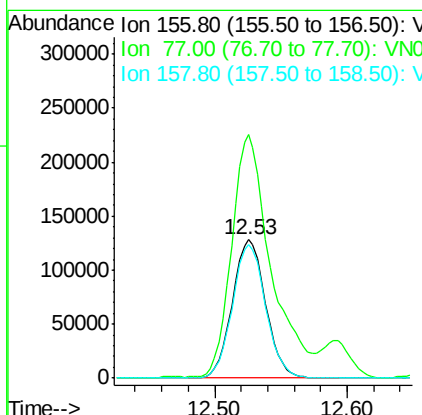
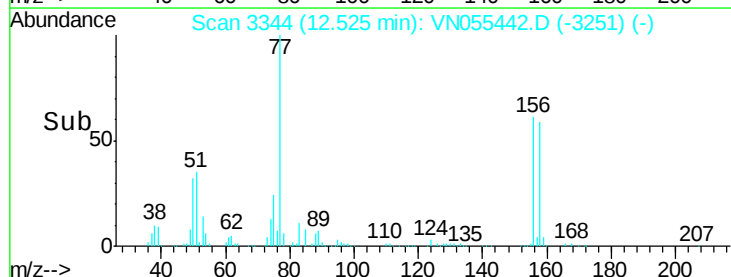
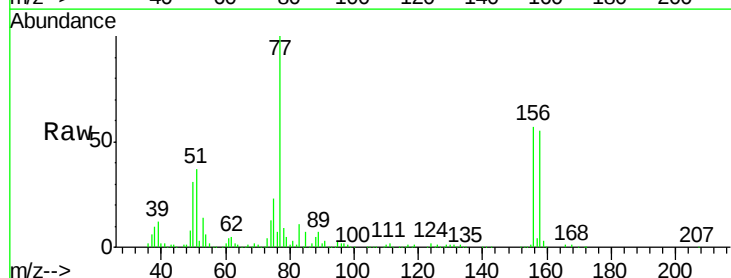
Manual Integrations
 APPROVED

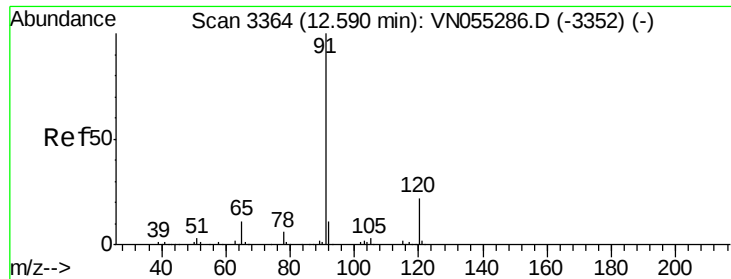
MMDadoda
 5/8/2019 10:22:23 AM



#77
 Bromobenzene
 Concen: 50.207 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion: 156 Resp: 223004
 Ion Ratio Lower Upper
 156 100
 77 205.6 99.6 298.8
 158 96.4 49.3 147.8





#78

n-propylbenzene

Concen: 56.222 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion: 91 Resp: 1344954

Ion Ratio Lower Upper

91 100

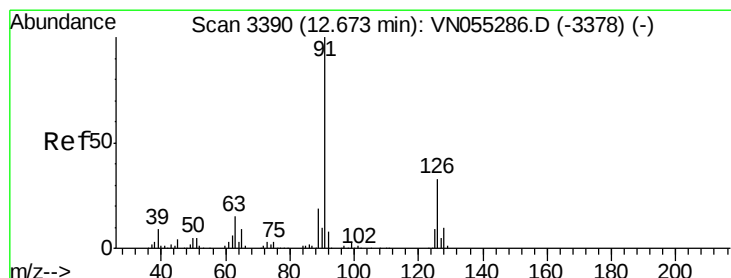
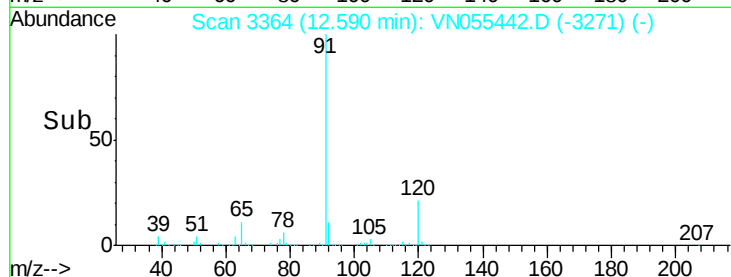
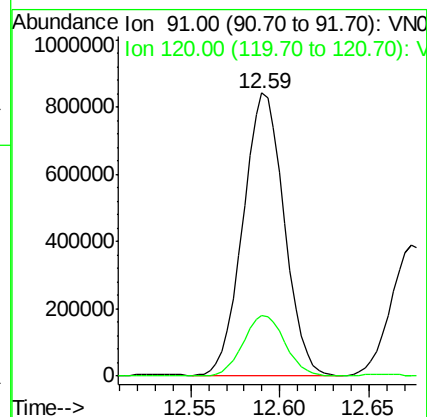
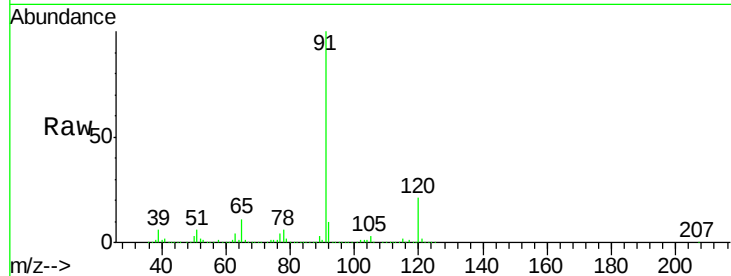
120 21.8 11.0 33.0

Manual Integrations

APPROVED

MMDadoda

5/8/2019 10:22:23 AM



#79

2-Chlorotoluene

Concen: 51.897 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055442.D

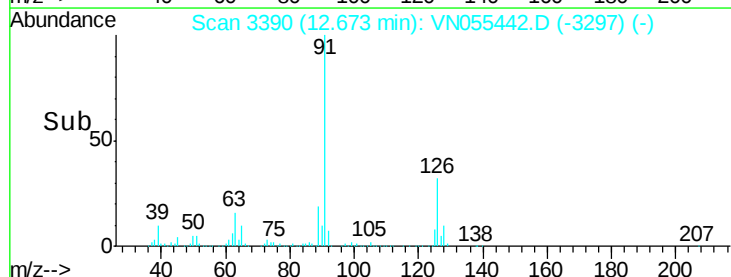
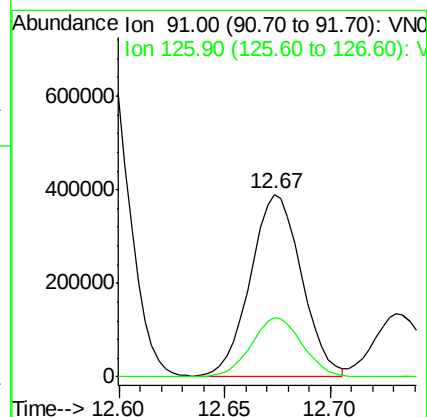
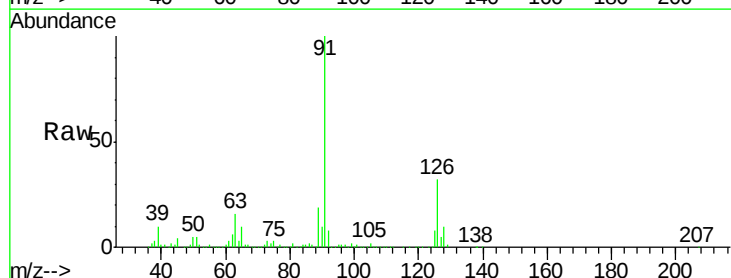
Acq: 7 May 2019 17:10

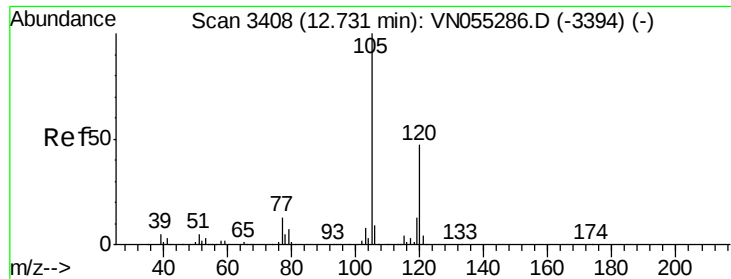
Tgt Ion: 91 Resp: 653733

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.7





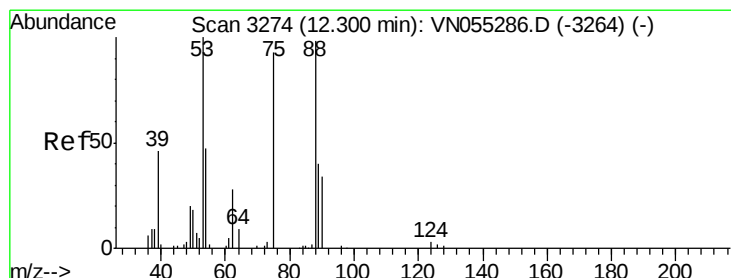
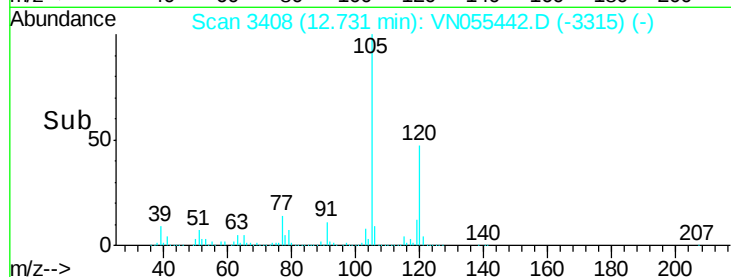
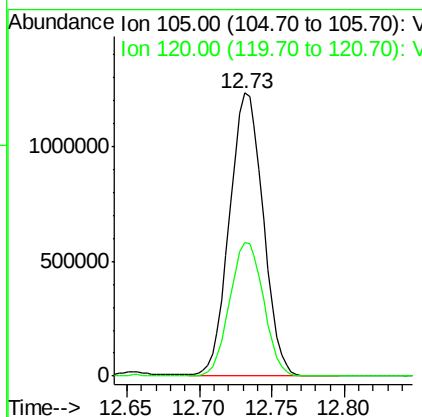
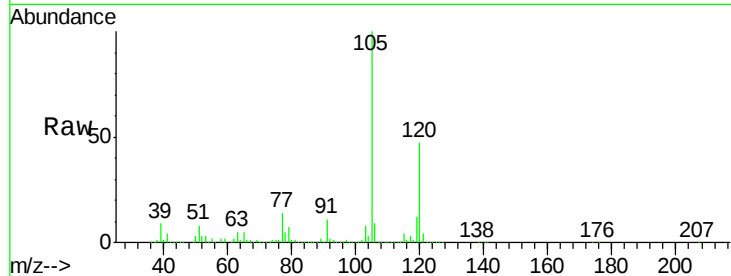
#80
 1,3,5-Trimethylbenzene
 Concen: 109.049 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Tot Ion:105 Resp: 1990943
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.0

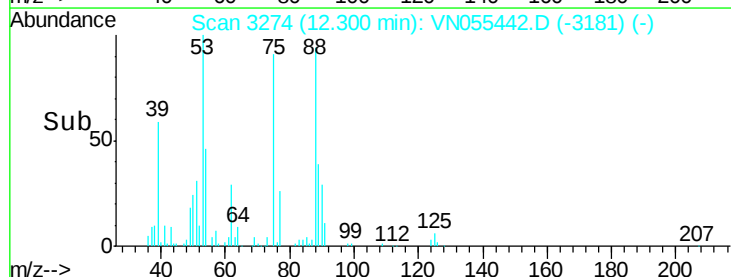
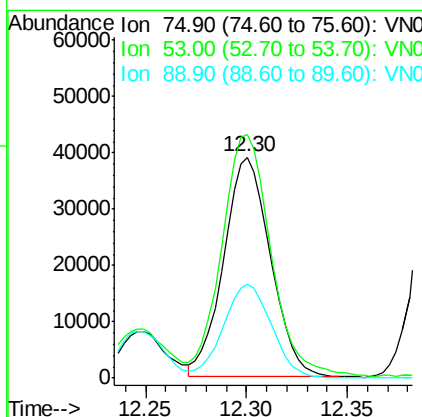
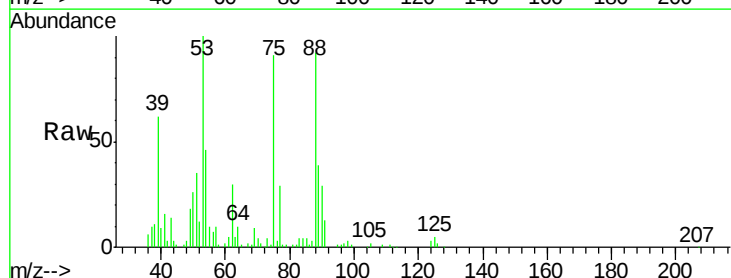
Manual Integrations
 APPROVED

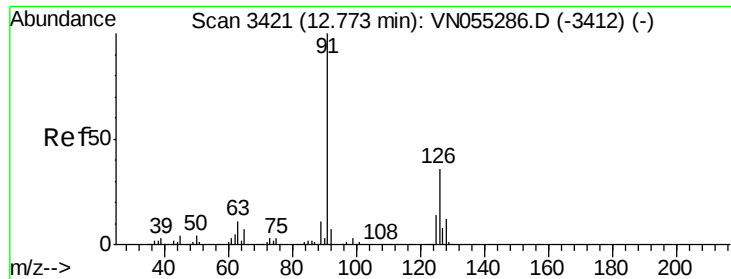
MMDadoda
 5/8/2019 10:22:23 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.515 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion: 75 Resp: 63307
 Ion Ratio Lower Upper
 75 100
 53 114.5 86.3 129.5
 89 44.1 34.6 51.8





#82

4-Chlorotoluene

Concen: 45.557 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampleId :

EP1-PZ-W4-5MS

Tot Ion: 91 Resp: 633659

Ion Ratio Lower Upper

91 100

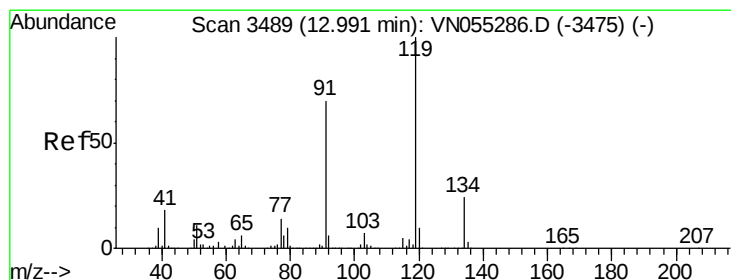
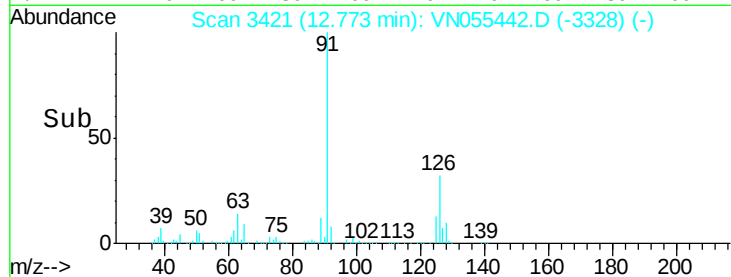
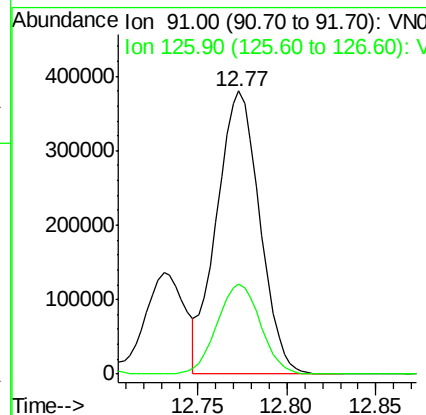
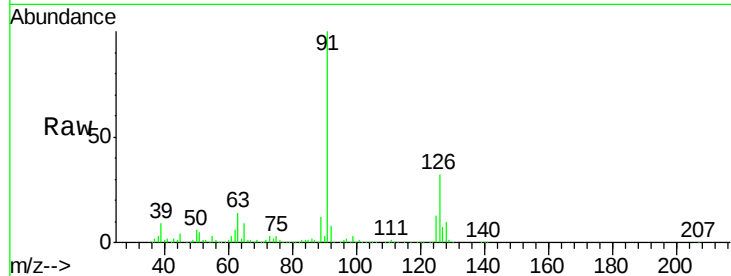
126 32.2 16.6 49.7

Manual Integrations

APPROVED

MMDadoda

5/8/2019 10:22:23 AM



#83

tert-Butylbenzene

Concen: 62.918 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

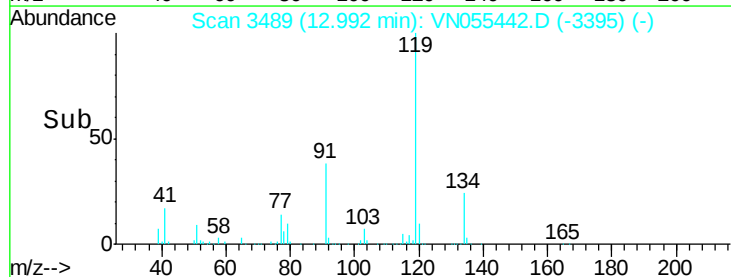
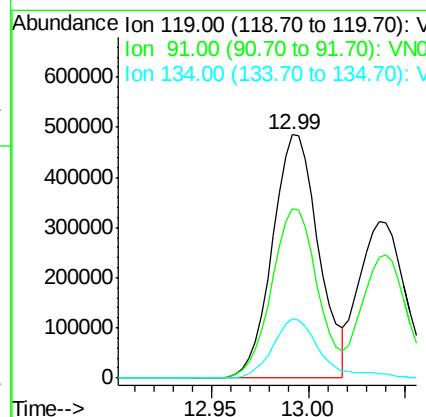
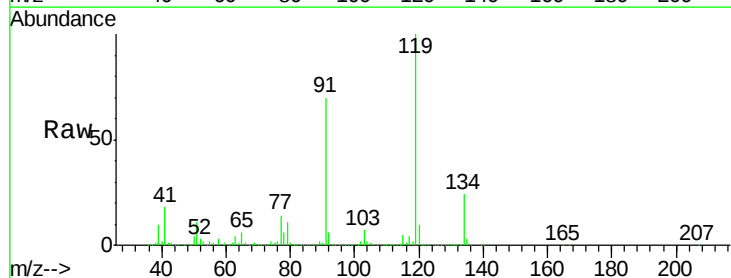
Tgt Ion: 119 Resp: 803368

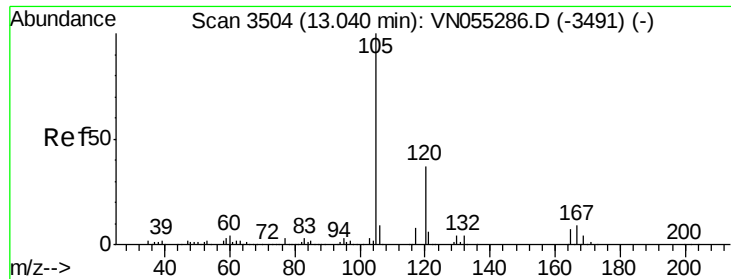
Ion Ratio Lower Upper

119 100

91 69.2 34.3 102.9

134 25.4 13.1 39.3





#84

1,2,4-Trimethylbenzene

Concen: 226.594 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

ClientSampled :

EP1-PZ-W4-5MS

Tot Ion:105 Resp: 3699928

Ion Ratio Lower Upper

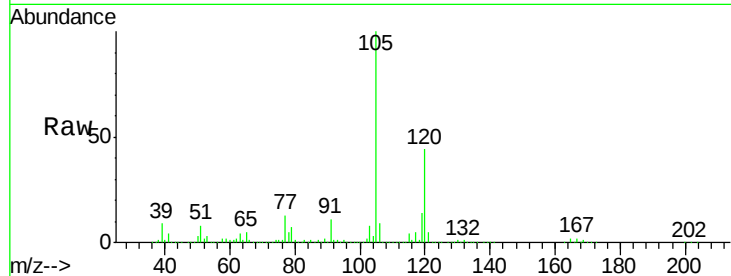
105 100

120 43.8 22.1 66.5

Manual Integrations
APPROVED

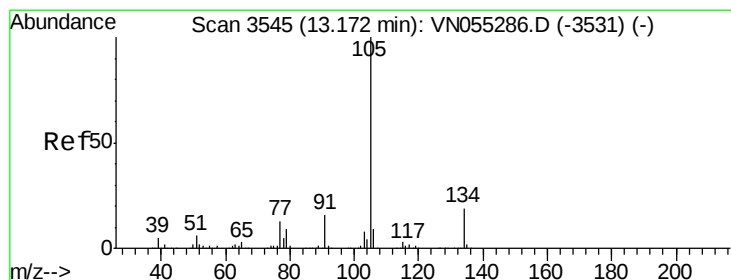
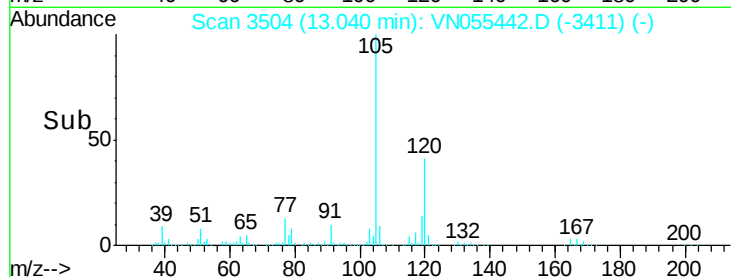
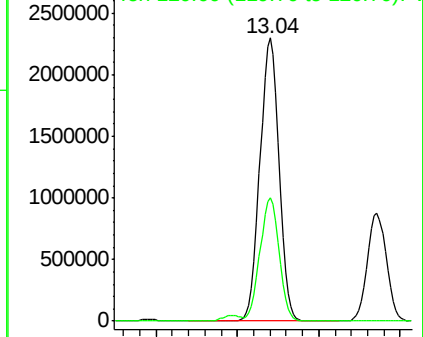
MMDadoda

5/8/2019 10:22:23 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 70.190 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055442.D

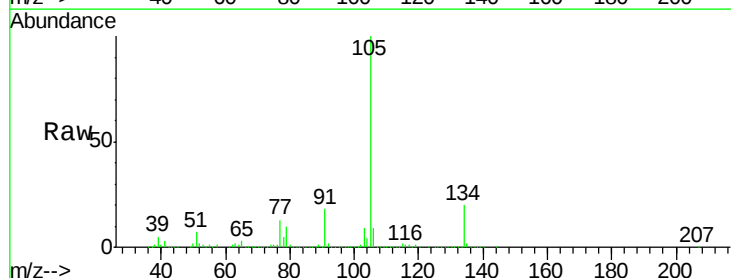
Acq: 7 May 2019 17:10

Tgt Ion:105 Resp: 1392847

Ion Ratio Lower Upper

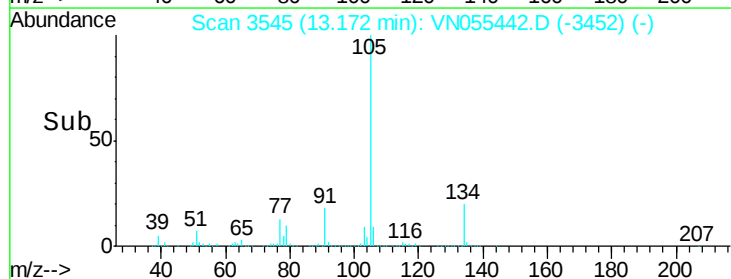
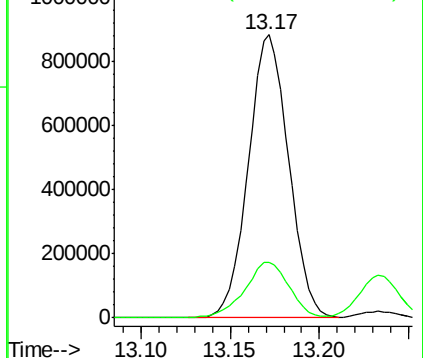
105 100

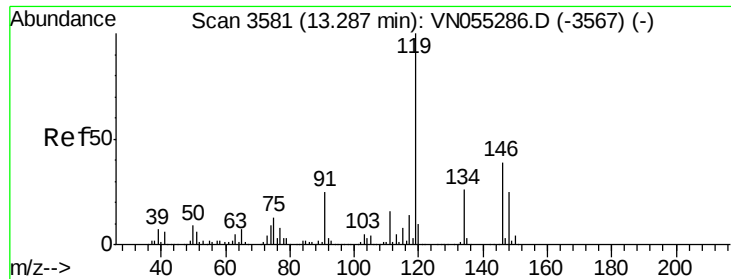
134 21.9 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





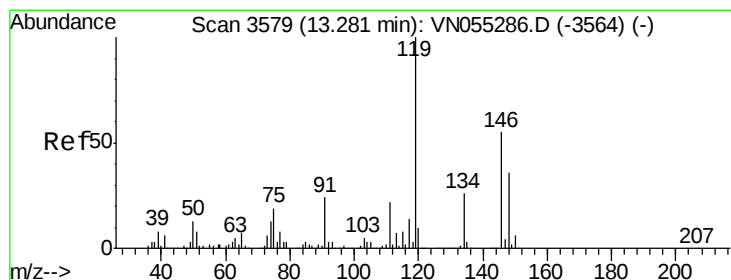
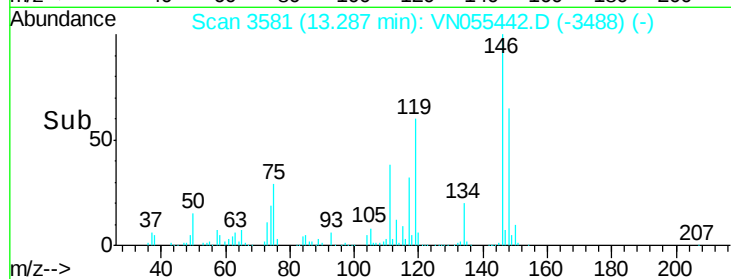
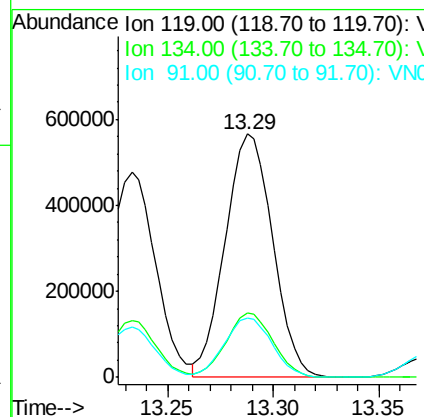
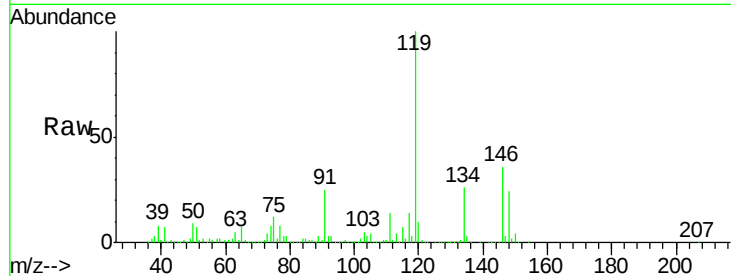
#86
 p-Isopropyltoluene
 Concen: 54.023 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampled :
 EP1-PZ-W4-5MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	881119		
134	26.0	13.0	38.9	
91	24.7	12.2	36.6	

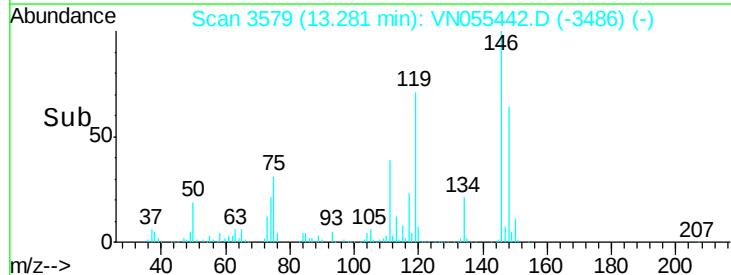
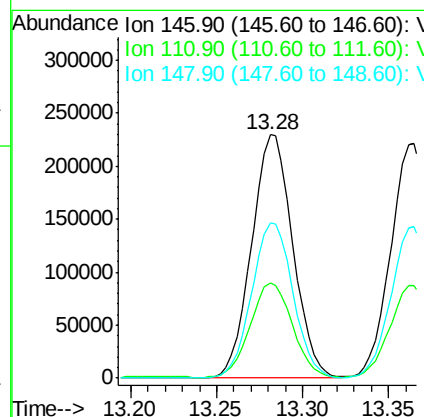
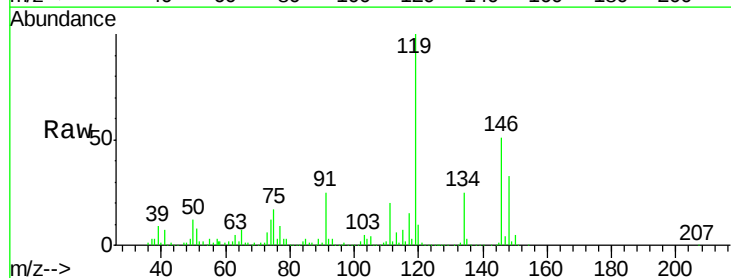
Manual Integrations
 APPROVED

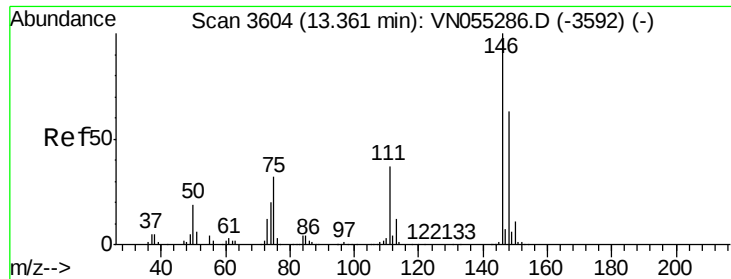
MMDadoda
 5/8/2019 10:22:23 AM



#87
 1,3-Dichlorobenzene
 Concen: 48.862 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	380777		
111	39.4	20.3	60.8	
148	64.0	32.5	97.5	





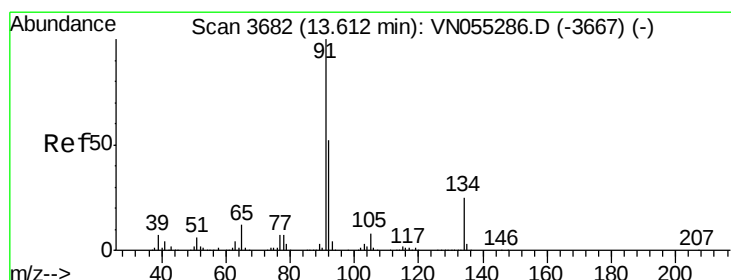
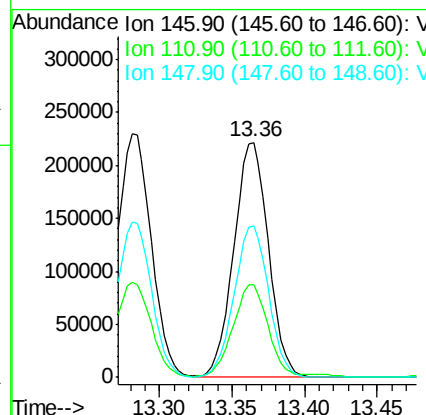
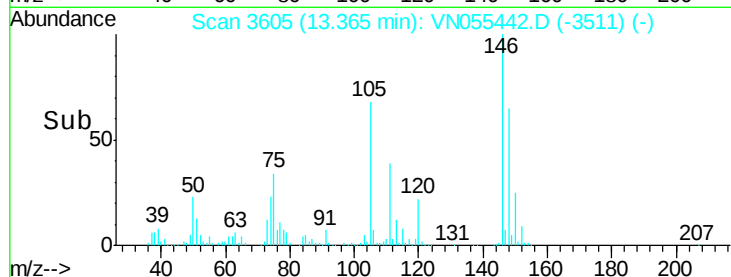
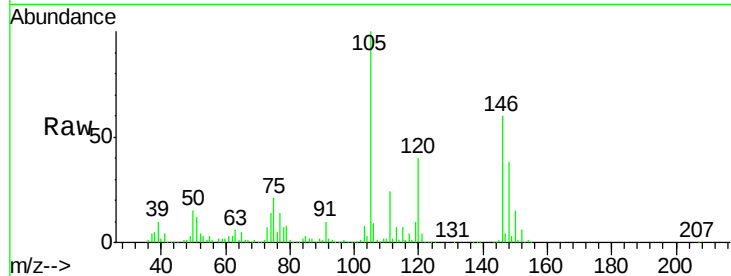
#88
 1,4-Dichlorobenzene
 Concen: 49.930 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.4	32.5	97.4

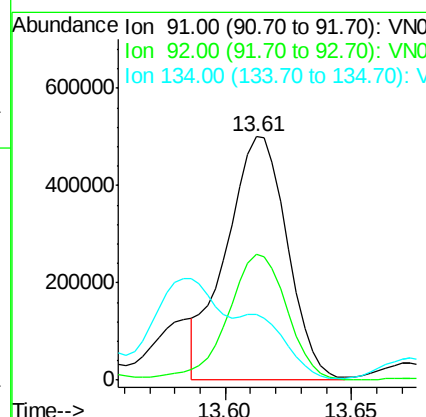
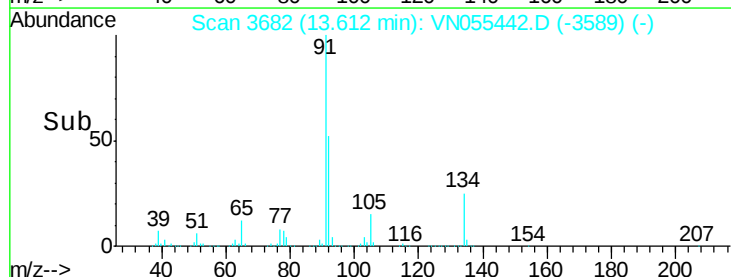
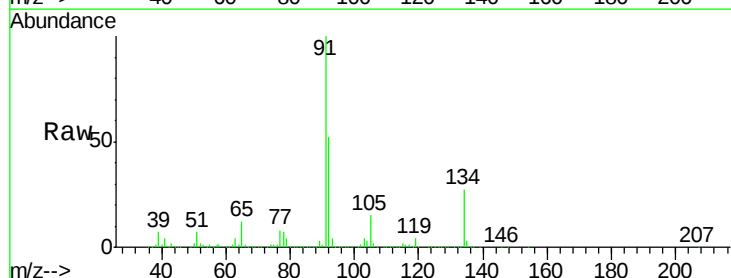
Manual Integrations
 APPROVED

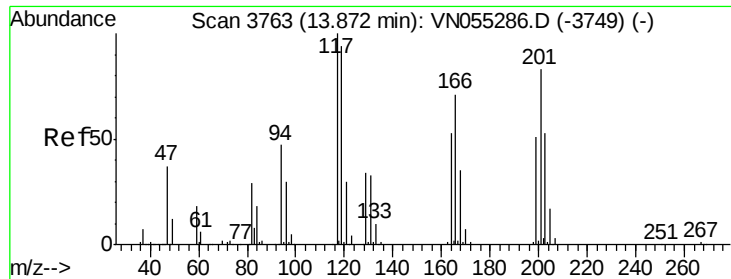
MMDadoda
 5/8/2019 10:22:23 AM



#89
 n-Butylbenzene
 Concen: 73.057 ug/l m
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.1	78.3
134	0.0	12.4	37.4#





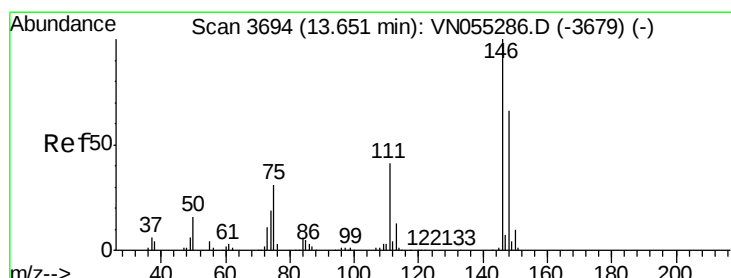
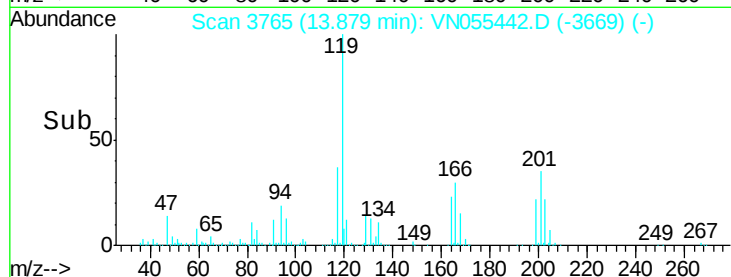
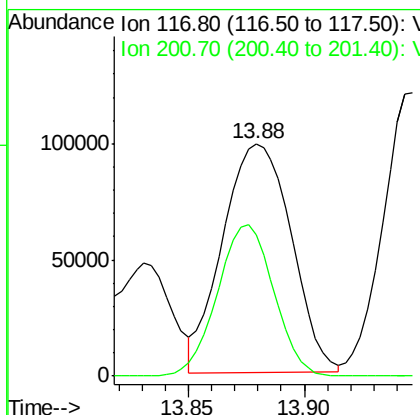
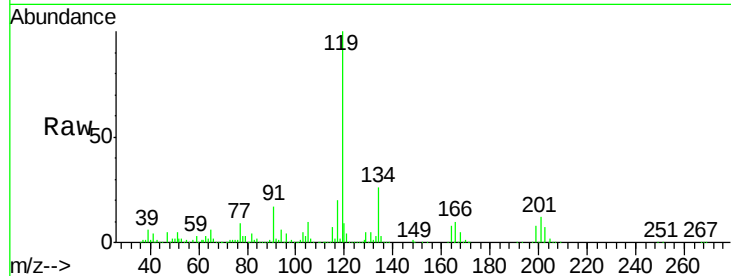
#90
Hexachloroethane
Concen: 79.326 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.01 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Instrument :
MSVOA_N
ClientSampleId :
EP1-PZ-W4-5MS

Tot Ion:117 Resp: 202473
Ion Ratio Lower Upper
117 100
201 54.6 41.9 125.8

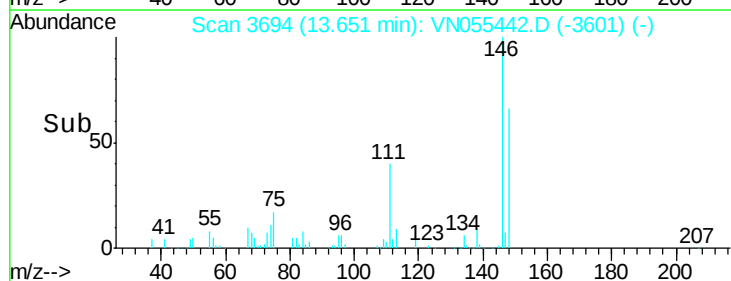
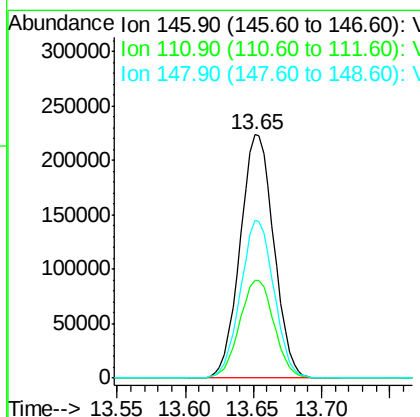
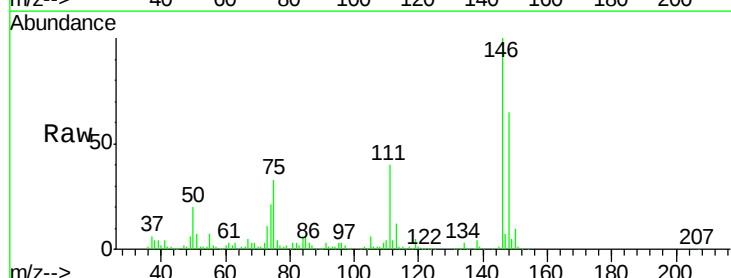
Manual Integrations
APPROVED

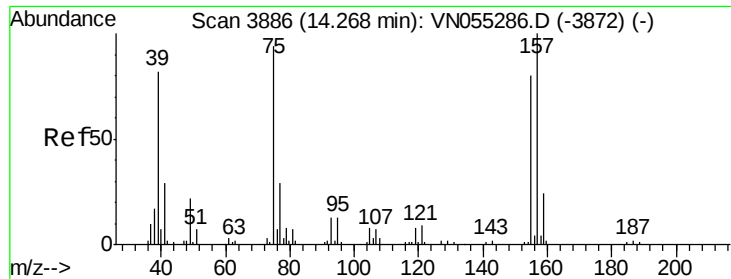
MMDadoda
5/8/2019 10:22:23 AM



#91
1,2-Dichlorobenzene
Concen: 49.684 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN055442.D
Acq: 7 May 2019 17:10

Tgt Ion:146 Resp: 383744
Ion Ratio Lower Upper
146 100
111 40.7 20.3 61.0
148 64.3 32.4 97.2





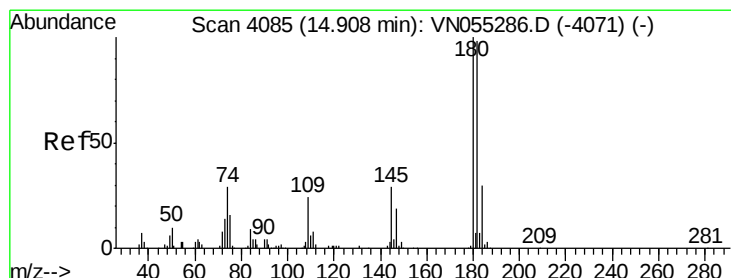
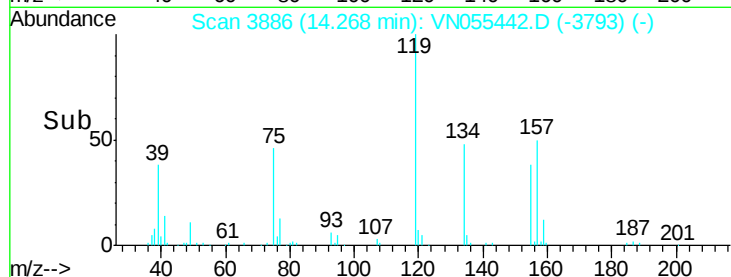
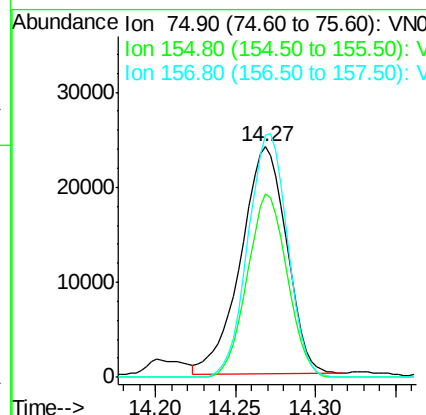
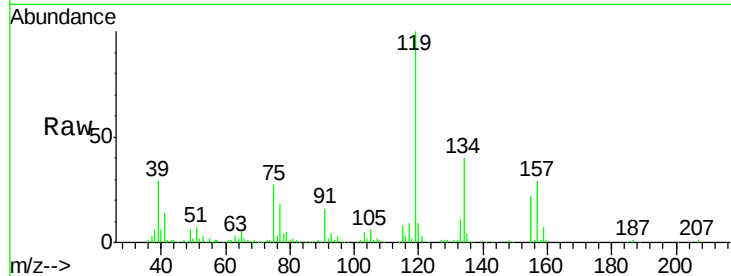
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.534 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	70.2	41.5	124.6
157	92.5	54.0	162.2

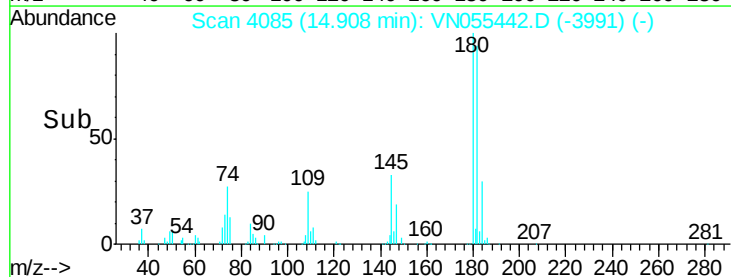
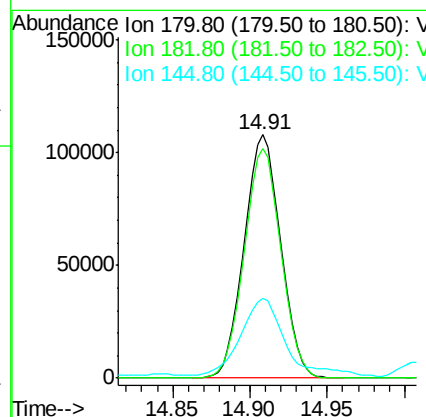
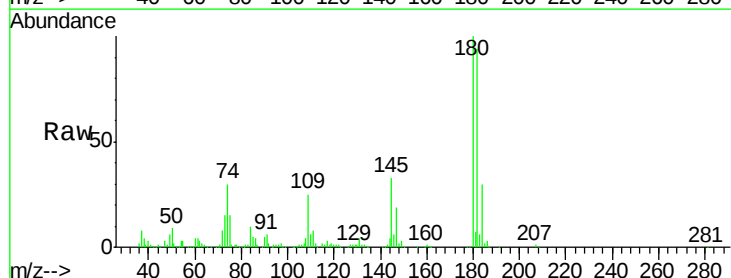
Manual Integrations
 APPROVED

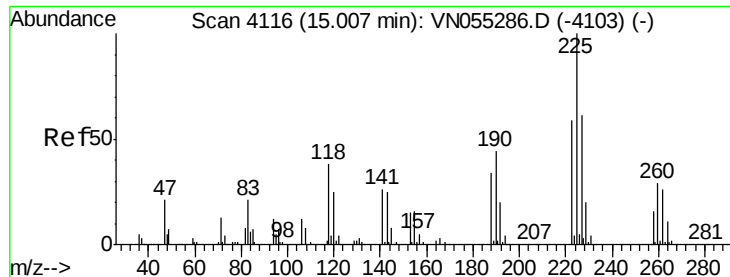
MMDadoda
 5/8/2019 10:22:23 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 57.766 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.3	144.9
145	39.6	14.2	42.6





#94

Hexachlorobutadiene

Concen: 58.746 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Instrument :

MSVOA_N

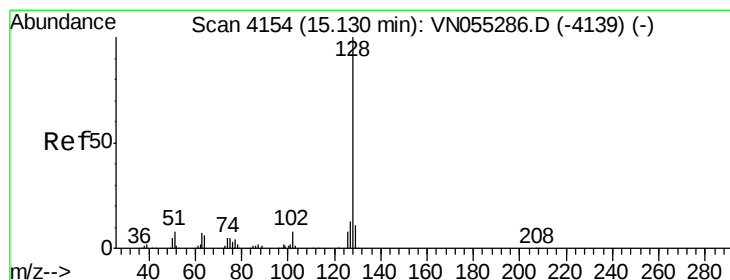
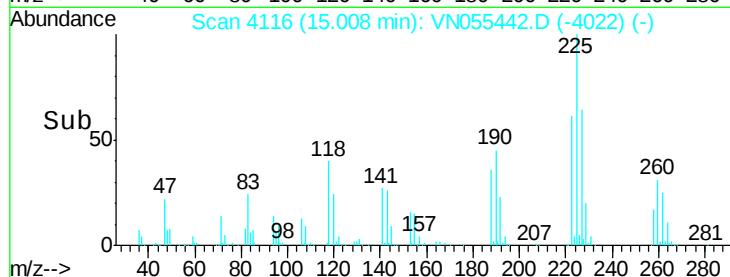
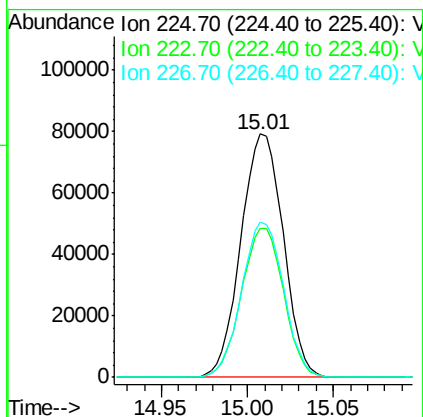
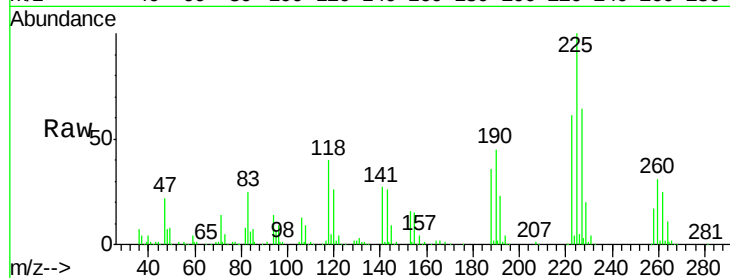
ClientSampled :

EP1-PZ-W4-5MS

Tot Ion:	225	Resp:	135397
Ion Ratio		Lower	Upper
225	100		
223	61.1	30.3	90.8
227	63.4	30.9	92.7

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:23 AM



#95

Naphthalene

Concen: 59.694 ug/l

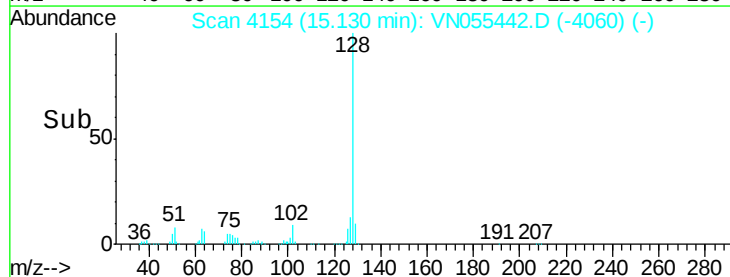
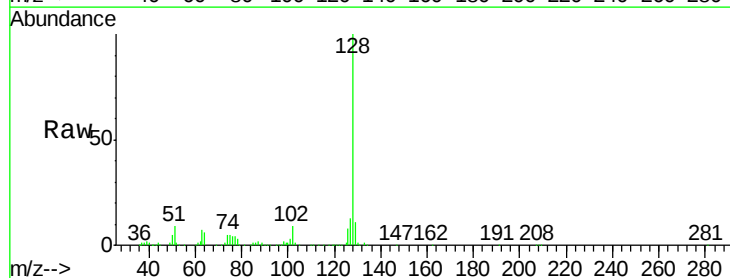
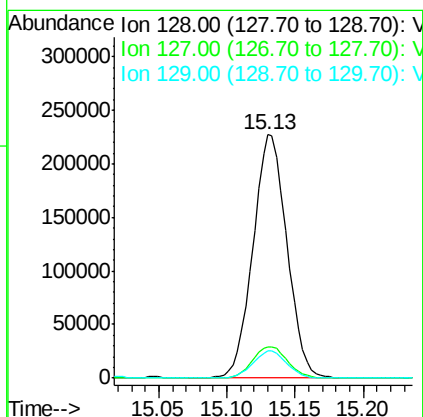
RT: 15.13 min Scan# 4154

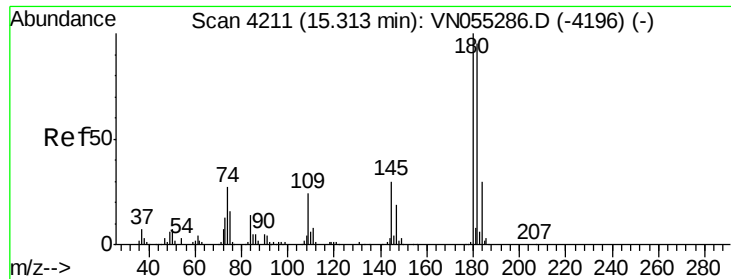
Delta R.T. 0.00 min

Lab File: VN055442.D

Acq: 7 May 2019 17:10

Tgt Ion:	128	Resp:	390883
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.7	16.1
129	11.1	8.6	13.0





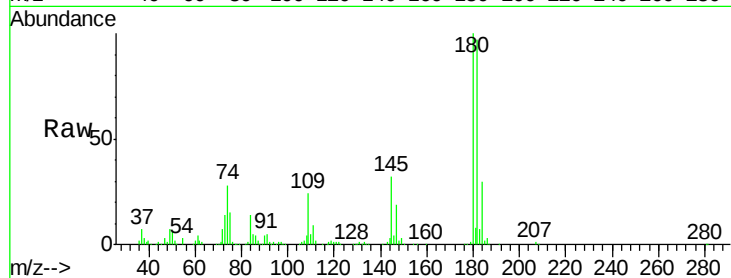
#96
 1,2,3-Trichlorobenzene
 Concen: 60.845 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055442.D
 Acq: 7 May 2019 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-PZ-W4-5MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.1	48.3	144.9
145	32.8	15.2	45.6

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:22:23 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

