

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056941.D
 Acq On : 26 Jul 2019 10:34
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:14 AM

Quant Time: Jul 27 00:42:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	628137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	914946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	797460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	349948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	339290	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.57	113	308634	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	10.08	98	1169659	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.39	95	382303	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	346988	52.361	ug/l	100
3) Chloromethane	2.05	50	369046	46.744	ug/l	100
4) Vinyl Chloride	2.18	62	359683	48.070	ug/l	100
5) Bromomethane	2.55	94	213423	47.217	ug/l	100
6) Chloroethane	2.69	64	195670	47.190	ug/l	100
7) Trichlorofluoromethane	3.00	101	474046	48.576	ug/l	100
8) Diethyl Ether	3.39	74	178651	48.892	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	294600	48.858	ug/l	100
10) Methyl Iodide	3.94	142	421799	48.390	ug/l	100
11) Tert butyl alcohol	4.77	59	231304	247.437	ug/l	100
12) 1,1-Dichloroethene	3.72	96	281616	48.600	ug/l	100
13) Acrolein	3.59	56	111770	217.066	ug/l	100
14) Allyl chloride	4.30	41	466507	49.534	ug/l	100
15) Acrylonitrile	4.96	53	696640	260.773	ug/l	100
16) Acetone	3.80	43	630250	282.973	ug/l	100
17) Carbon Disulfide	4.04	76	735210	47.303	ug/l	100
18) Methyl Acetate	4.31	43	382288	49.391	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	863509	50.449	ug/l	100
20) Methylene Chloride	4.53	84	316688	45.865	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	297295	47.969	ug/l	100
22) Diisopropyl ether	5.93	45	940541	49.201	ug/l	100
23) Vinyl Acetate	5.88	43	3465151	261.685	ug/l	100
24) 1,1-Dichloroethane	5.83	63	546062	48.542	ug/l	100
25) 2-Butanone	6.82	43	934958	273.554	ug/l	100
26) 2,2-Dichloropropane	6.81	77	416789	50.382	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	346650	49.000	ug/l	100
28) Bromochloromethane	7.18	49	243925	47.252	ug/l	100
29) Tetrahydrofuran	7.19	42	604793	270.513	ug/l	100
30) Chloroform	7.36	83	536474	46.323	ug/l	100
31) Cyclohexane	7.64	56	518979	47.429	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	444898	48.059	ug/l	100
36) 1,1-Dichloropropene	7.78	75	409997	49.654	ug/l	100
37) Ethyl Acetate	6.91	43	366021	53.992	ug/l	100
38) Carbon Tetrachloride	7.76	117	398146	50.641	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056941.D
 Acq On : 26 Jul 2019 10:34
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:14 AM

Quant Time: Jul 27 00:42:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	537045	53.199	ug/l	100
40) Benzene	8.03	78	1254981	48.931	ug/l	100
41) Methacrylonitrile	7.15	41	150225	49.816	ug/l	100
42) 1,2-Dichloroethane	8.11	62	385467	48.733	ug/l	100
43) Isopropyl Acetate	8.15	43	582414	52.518	ug/l	100
44) Trichloroethene	8.82	130	339897	48.757	ug/l	100
45) 1,2-Dichloropropane	9.11	63	332757	48.389	ug/l	100
46) Dibromomethane	9.20	93	208558	50.217	ug/l	100
47) Bromodichloromethane	9.39	83	408738	50.354	ug/l	100
48) Methyl methacrylate	9.19	41	283529	53.538	ug/l	100
49) 1,4-Dioxane	9.19	88	110467	1008.064	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1755823	266.308	ug/l	100
52) Toluene	10.15	92	769223	50.134	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	431662	52.595	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	498177	51.740	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	303305	49.108	ug/l	100
56) Ethyl methacrylate	10.42	69	444506	53.326	ug/l	100
57) 1,3-Dichloropropane	10.70	76	503676	49.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	959448	289.881	ug/l	100
59) 2-Hexanone	10.74	43	1271095	280.604	ug/l	100
60) Dibromochloromethane	10.89	129	328777	52.164	ug/l	100
61) 1,2-Dibromoethane	11.00	107	308373	50.463	ug/l	100
64) Tetrachloroethene	10.62	164	332324	46.653	ug/l	100
65) Chlorobenzene	11.43	112	811639	49.333	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	310489	50.549	ug/l	100
67) Ethyl Benzene	11.50	91	1443302	50.970	ug/l	100
68) m/p-Xylenes	11.61	106	1082797	102.668	ug/l	100
69) o-Xylene	11.94	106	520541	50.442	ug/l	100
70) Styrene	11.96	104	872929	53.397	ug/l	100
71) Bromoform	12.12	173	233644	54.201	ug/l	100
73) Isopropylbenzene	12.24	105	1400946	44.667	ug/l	100
74) N-amyl acetate	12.06	43	452108	48.812	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	409443	44.797	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	339141m	49.494	ug/l	
77) Bromobenzene	12.52	156	366474	45.625	ug/l	100
78) n-propylbenzene	12.58	91	1560453	47.086	ug/l	100
79) 2-Chlorotoluene	12.67	91	920579	44.618	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1174326	45.337	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	119137	53.615	ug/l	100
82) 4-Chlorotoluene	12.77	91	907845	47.948	ug/l	100
83) tert-Butylbenzene	12.99	119	1011066	44.241	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	1150284	46.954	ug/l	100
85) sec-Butylbenzene	13.17	105	1343531	46.556	ug/l	100
86) p-Isopropyltoluene	13.28	119	1230140	48.177	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	594263	49.520	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	573474	49.758	ug/l	100
89) n-Butylbenzene	13.61	91	991962	50.265	ug/l	100
90) Hexachloroethane	13.87	117	204298	44.918	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	587734	48.313	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	64260	51.468	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
Data File : VN056941.D
Acq On : 26 Jul 2019 10:34
Operator : JC/SP
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM

Quant Time: Jul 27 00:42:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 26 23:57:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	296616	58.428	ug/l	100
94) Hexachlorobutadiene	15.00	225	221332	44.848	ug/l	100
95) Naphthalene	15.12	128	709266	56.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	300066	55.065	ug/l	100

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

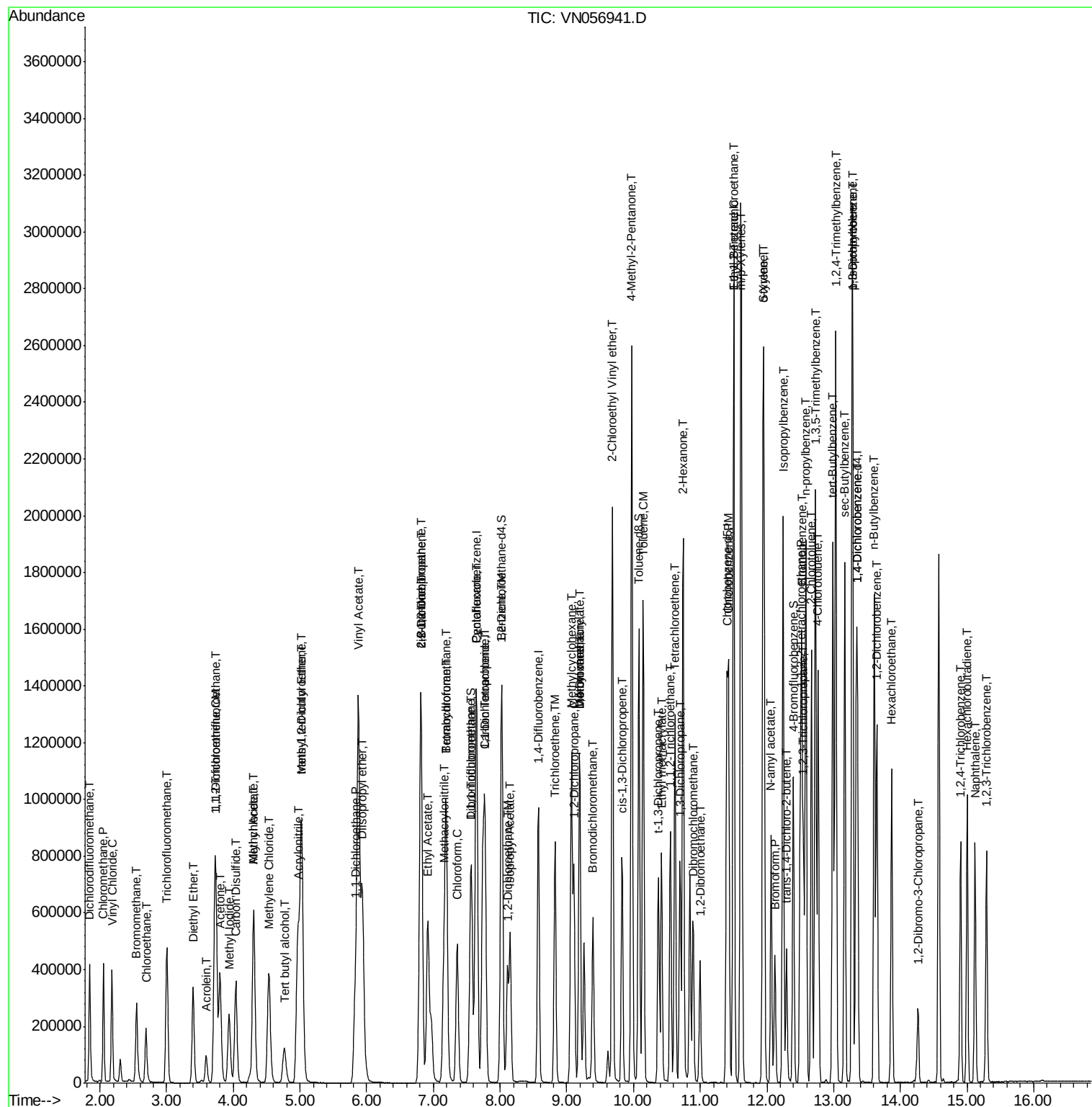
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056941.D
 Acq On : 26 Jul 2019 10:34
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

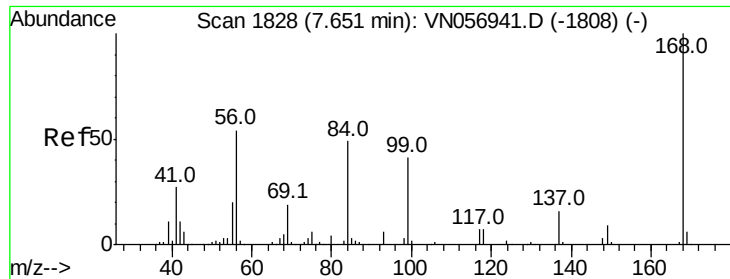
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:14 AM

Quant Time: Jul 27 00:42:49 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 628137

Ion Ratio Lower Upper

168 100

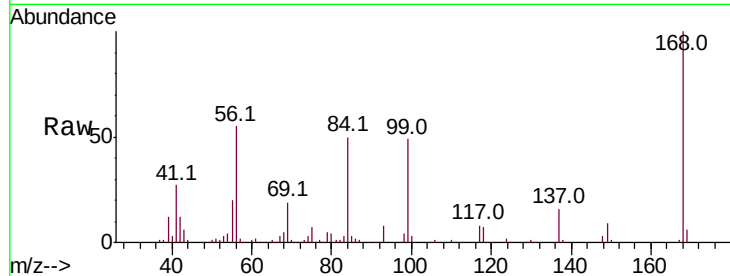
99 48.7 39.0 58.4

Manual Integrations

APPROVED

MMDadoda

8/2/2019 9:13:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

100000

50000

0

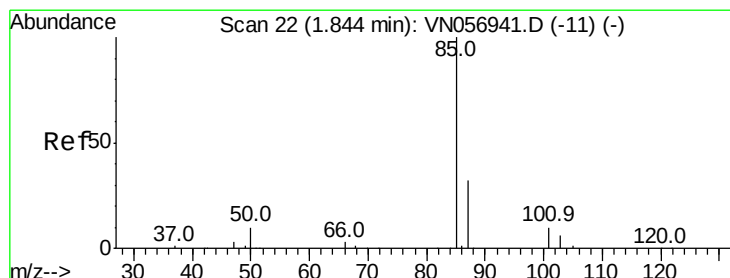
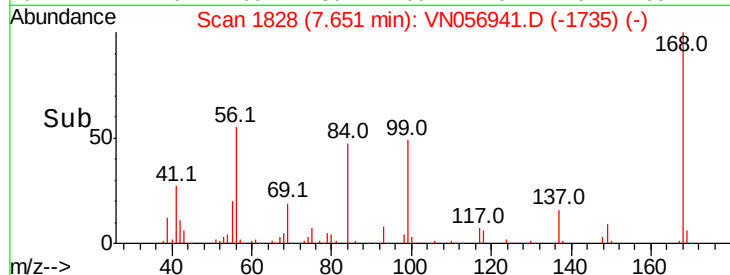
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.361 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN056941.D

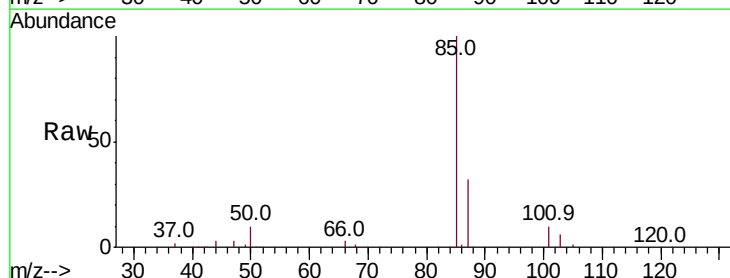
Acq: 26 Jul 2019 10:34

Tgt Ion: 85 Resp: 346988

Ion Ratio Lower Upper

85 100

87 31.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

250000

200000

150000

100000

50000

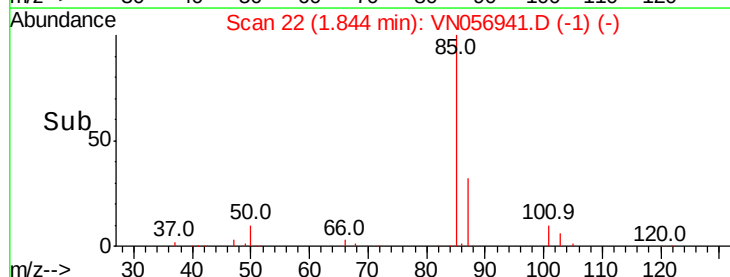
0

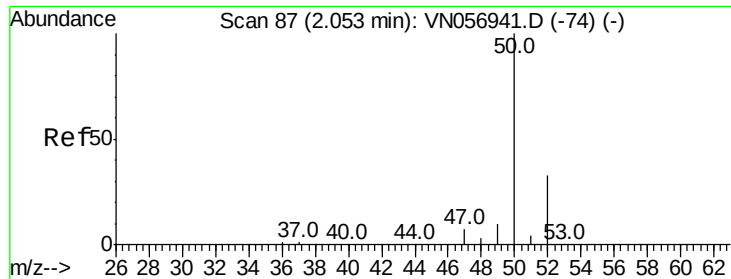
1.80

1.90

2.00

Time-->





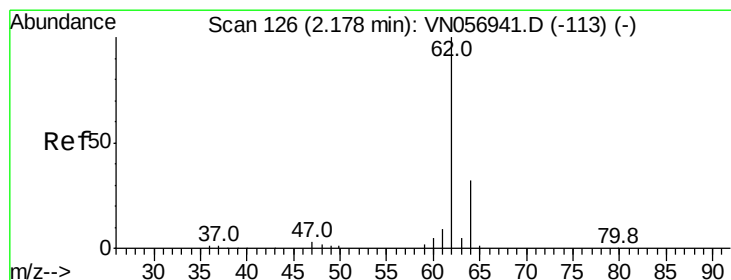
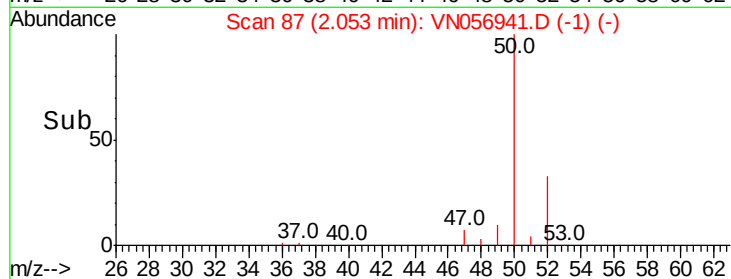
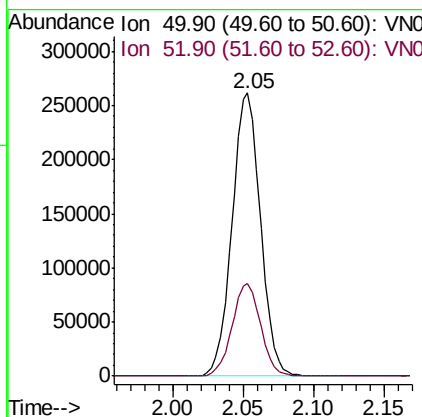
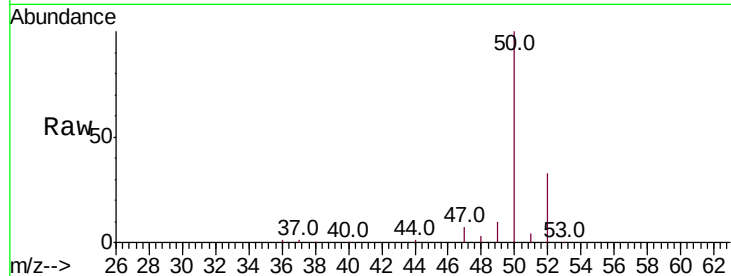
#3
Chloromethane
Concen: 46.744 ug/l
RT: 2.05 min Scan# 87
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	26.2	39.2

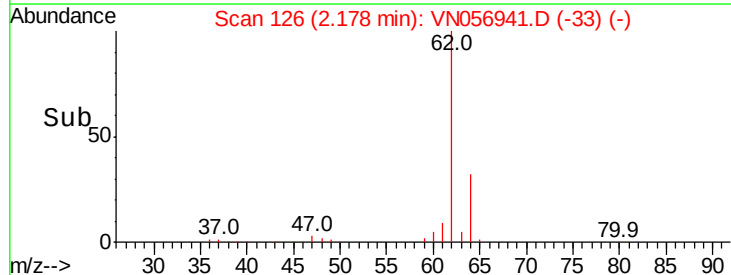
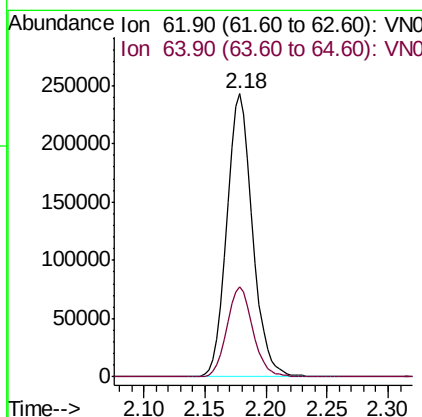
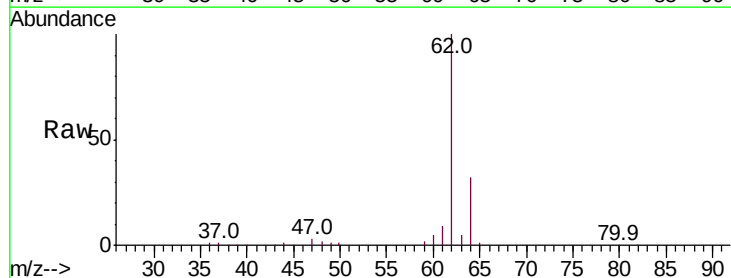
Manual Integrations
APPROVED

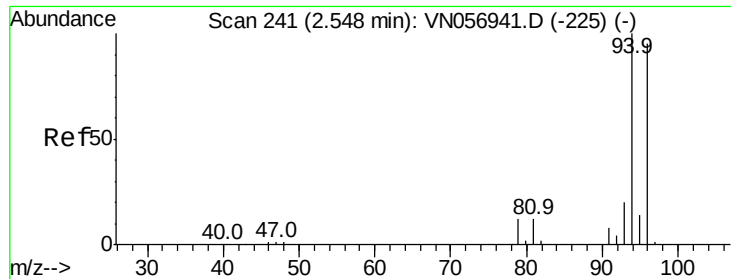
MMDadoda
8/2/2019 9:13:14 AM



#4
Vinyl Chloride
Concen: 48.070 ug/l
RT: 2.18 min Scan# 126
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0





#5

Bromomethane

Concen: 47.217 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 213423

Ion Ratio Lower Upper

94 100

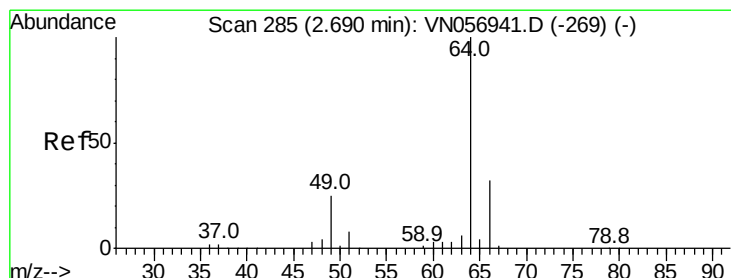
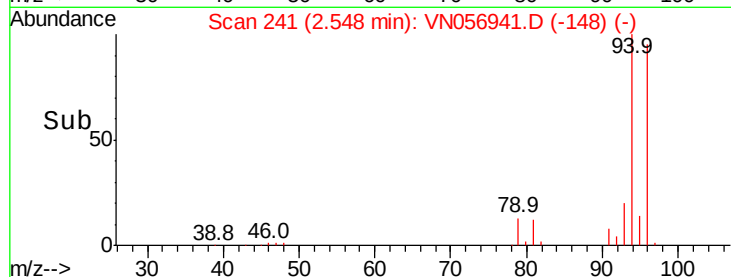
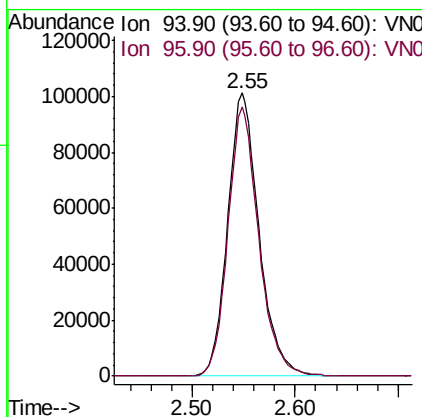
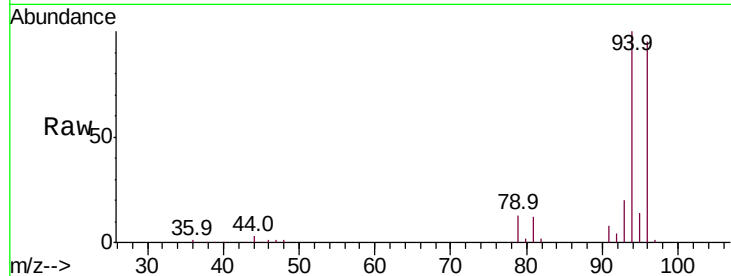
96 95.2 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

8/2/2019 9:13:14 AM



#6

Chloroethane

Concen: 47.190 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN056941.D

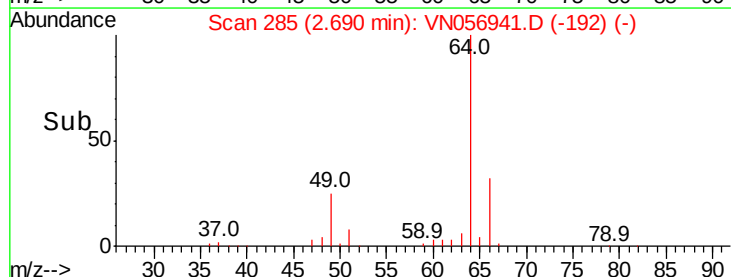
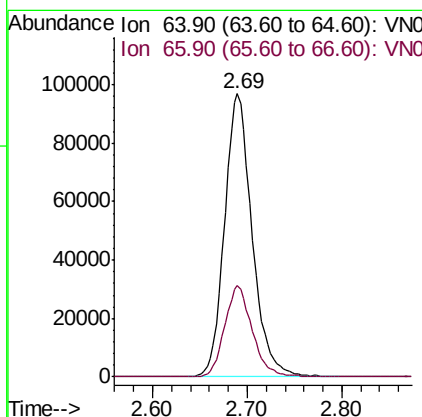
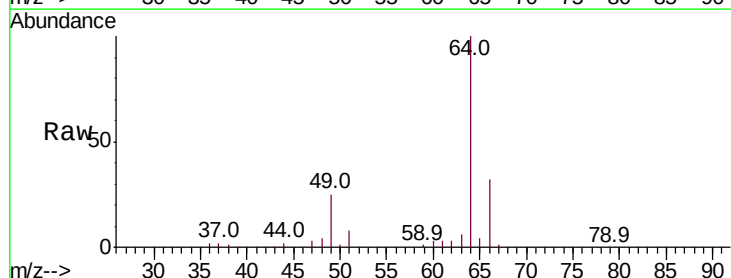
Acq: 26 Jul 2019 10:34

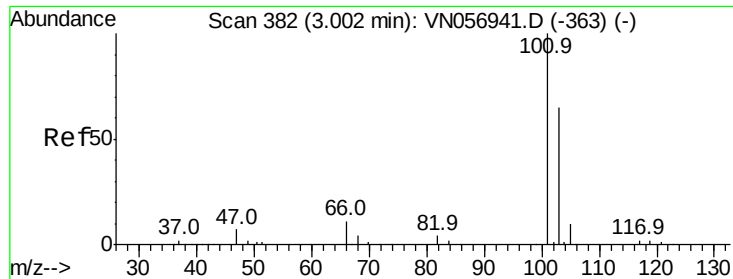
Tgt Ion: 64 Resp: 195670

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8





#7

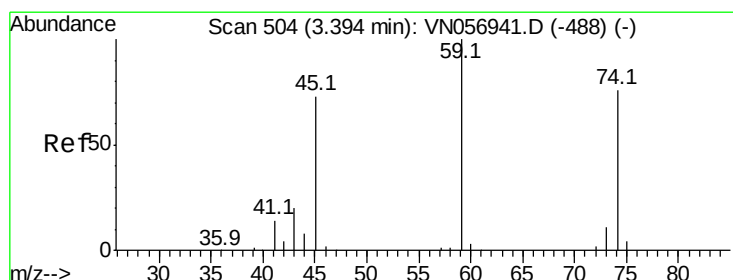
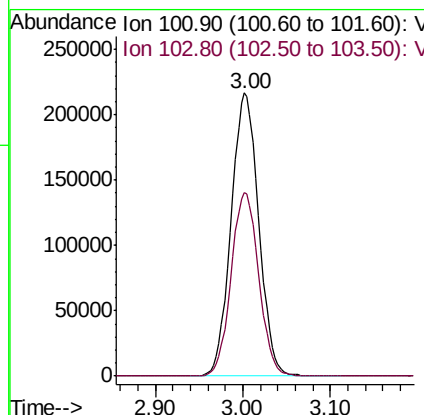
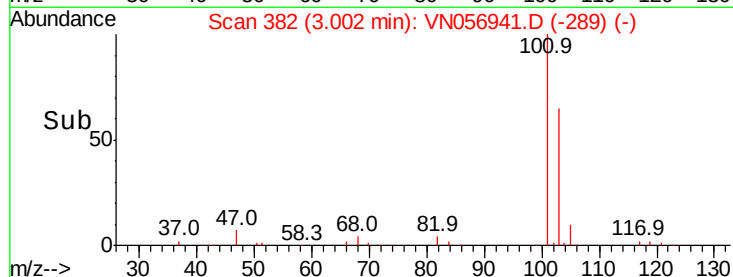
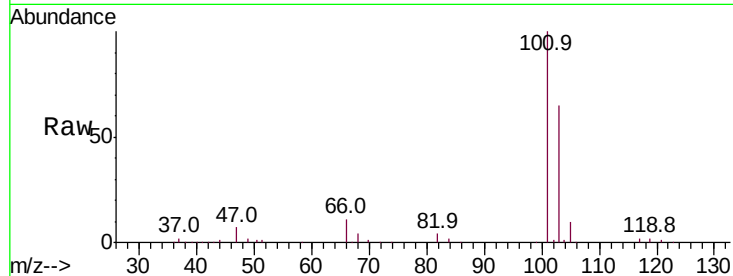
Trichlorofluoromethane
Concen: 48.576 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:101 Resp: 474046
Ion Ratio Lower Upper
101 100
103 65.1 52.1 78.1

Manual Integrations
APPROVED

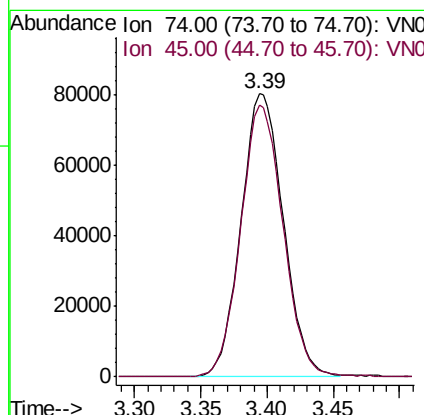
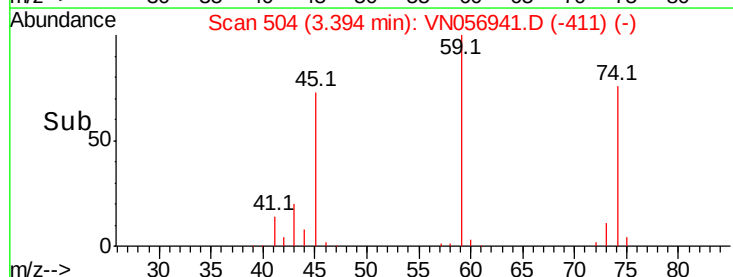
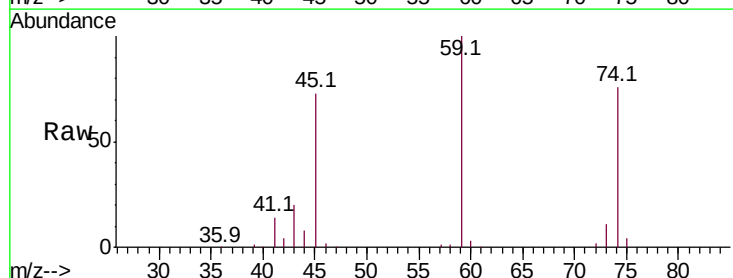
MMDadoda
8/2/2019 9:13:14 AM

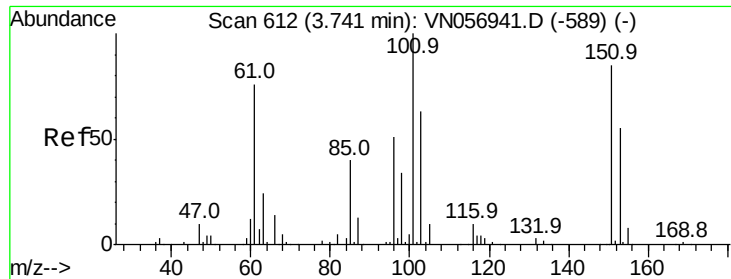


#8

Diethyl Ether
Concen: 48.892 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 74 Resp: 178651
Ion Ratio Lower Upper
74 100
45 96.2 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.858 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

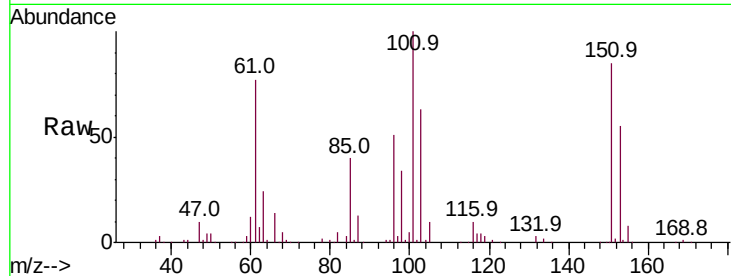
ClientSampled :

VSTDICCC050

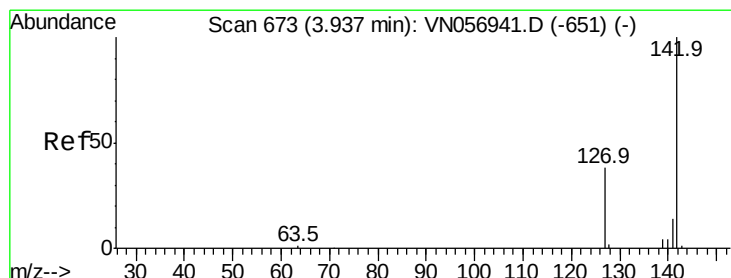
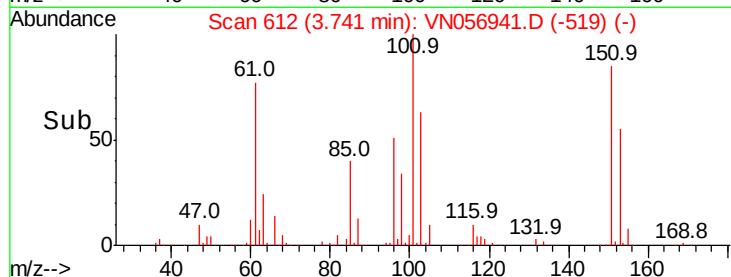
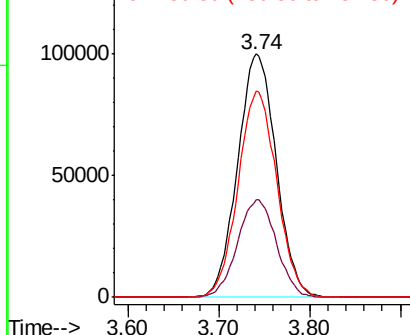
Tot Ion:	101	Resp:	294600
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.3	48.5
151	85.0	68.0	102.0

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



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



#10

Methyl Iodide

Concen: 48.390 ug/l

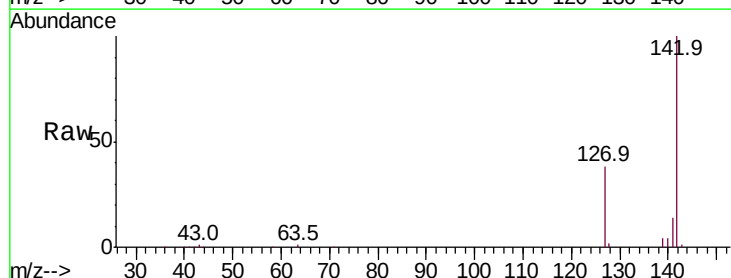
RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

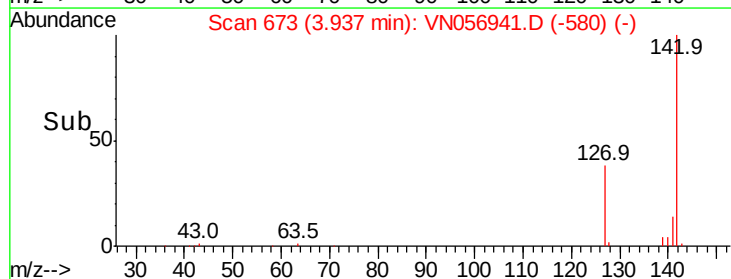
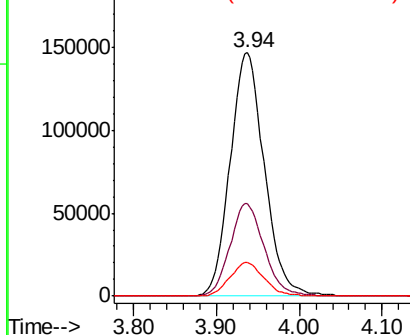
Lab File: VN056941.D

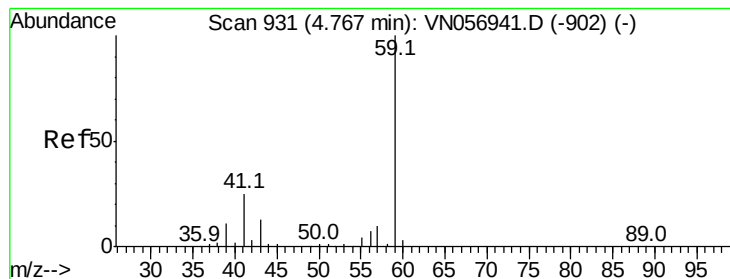
Acq: 26 Jul 2019 10:34

Tgt Ion:	142	Resp:	421799
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.4	45.6
141	13.9	11.1	16.7



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





#11

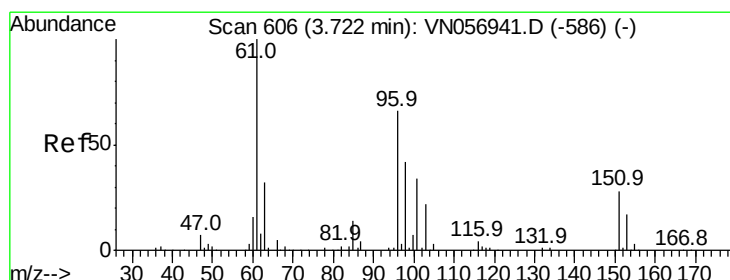
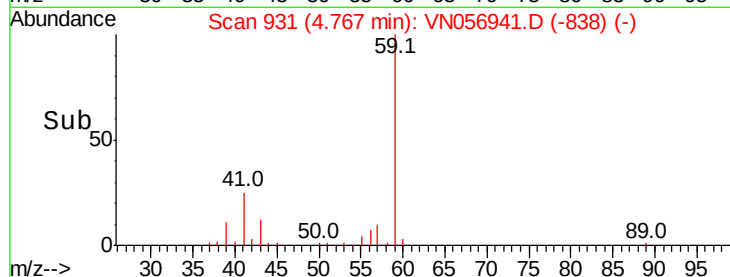
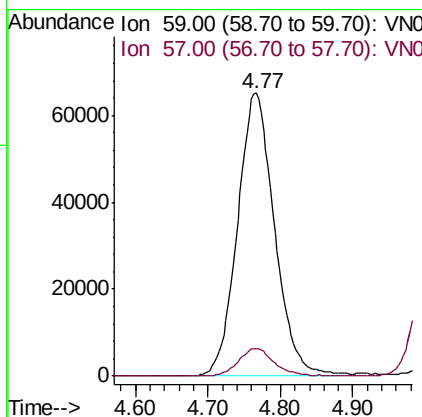
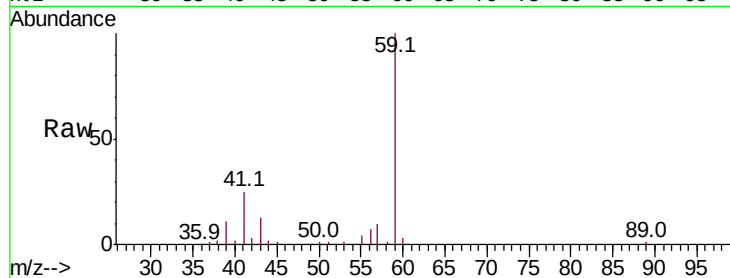
Tert butyl alcohol
Concen: 247.437 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.5	11.3

Manual Integrations
APPROVED

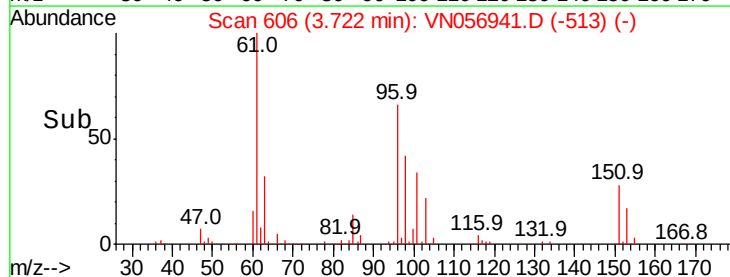
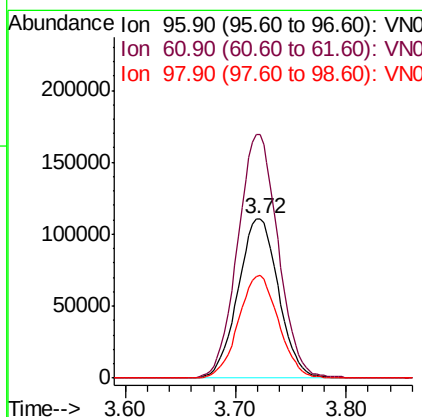
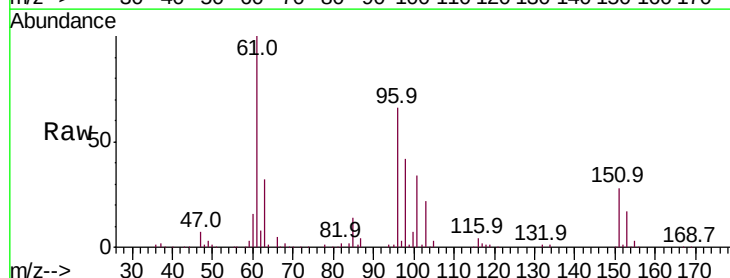
MMDadoda
8/2/2019 9:13:14 AM

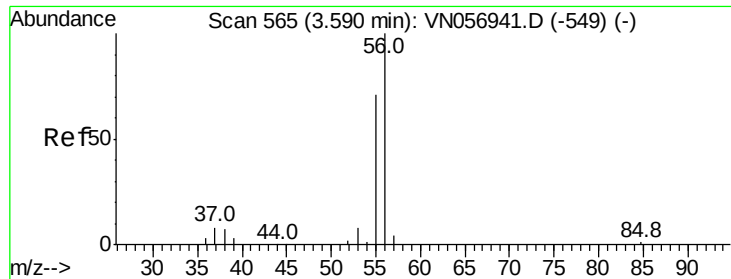


#12

1,1-Dichloroethene
Concen: 48.600 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	121.8	182.8
98	64.6	51.7	77.5





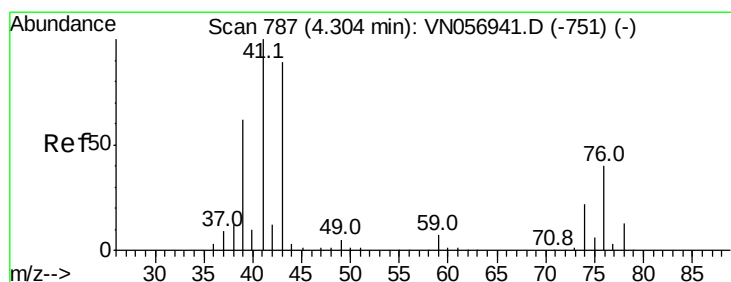
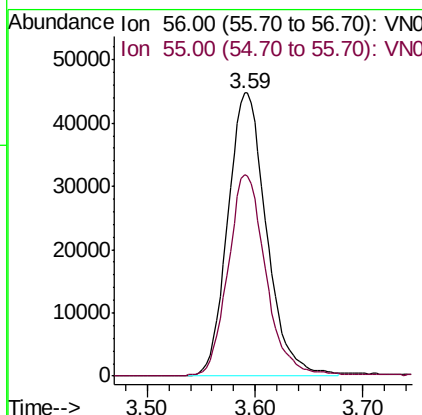
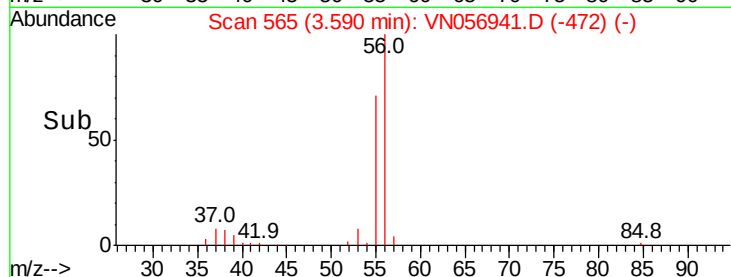
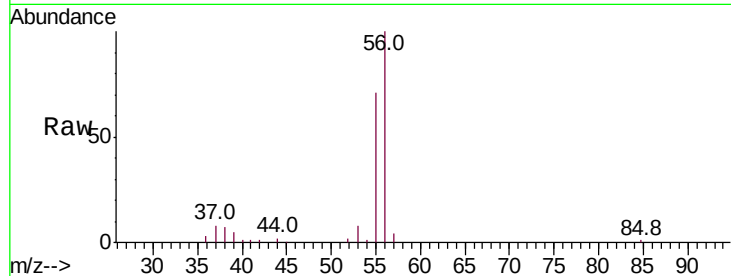
#13
Acrolein
Concen: 217.066 ug/l
RT: 3.59 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	56	Resp	111770
Ion Ratio	100	Lower	Upper
55	69.7	55.8	83.6

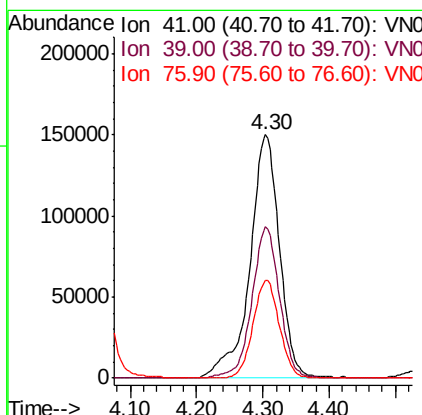
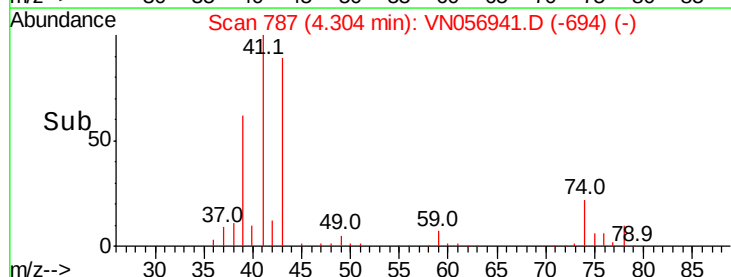
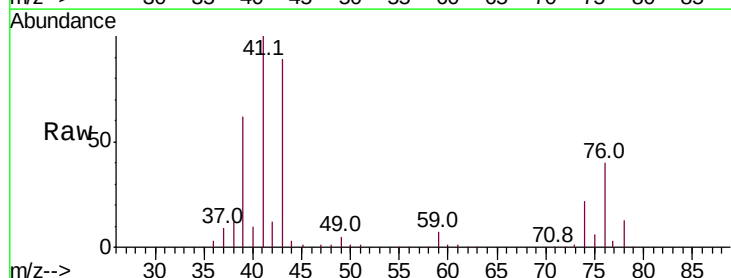
Manual Integrations
APPROVED

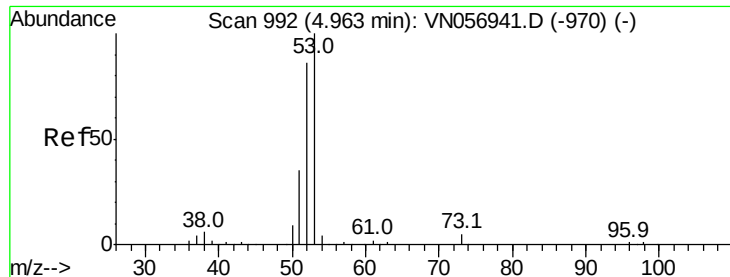
MMDadoda
8/2/2019 9:13:14 AM



#14
Allyl chloride
Concen: 49.534 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	41	Resp	466507
Ion Ratio	100	Lower	Upper
39	58.0	46.4	69.6
76	35.5	28.4	42.6





#15

Acrylonitrile

Concen: 260.773 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

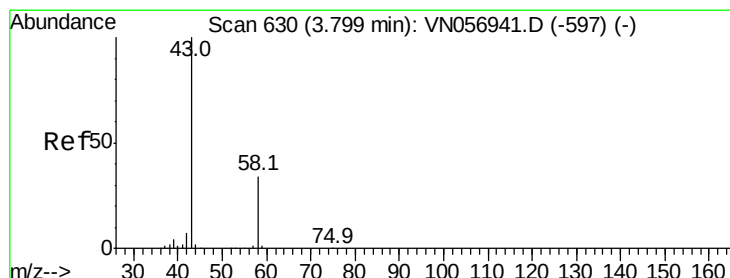
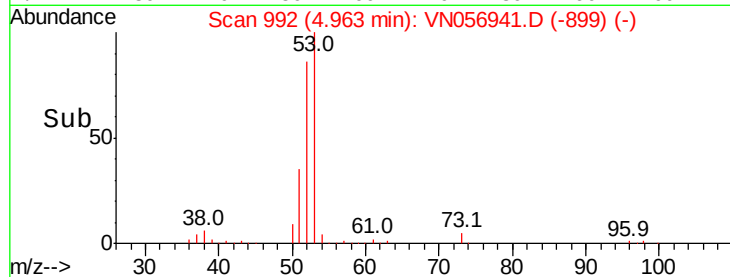
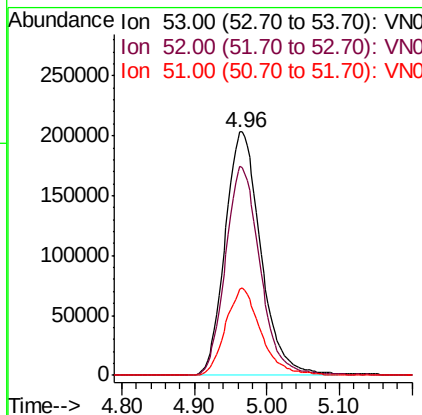
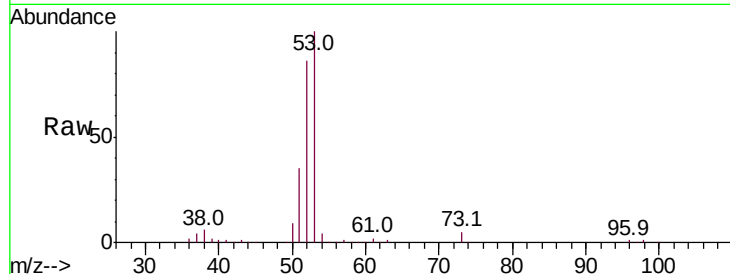
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	696640
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	35.5	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



#16

Acetone

Concen: 282.973 ug/l

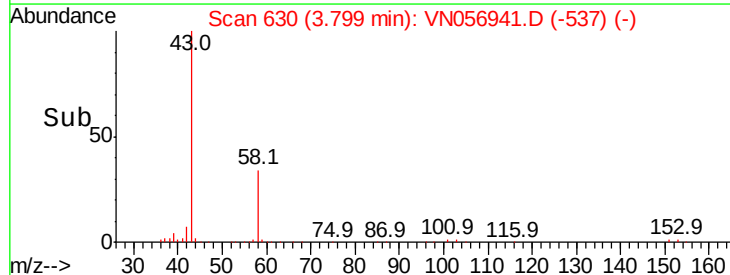
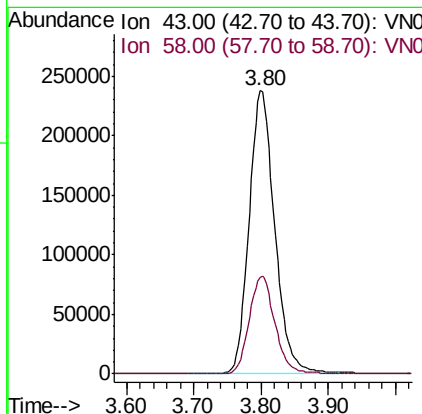
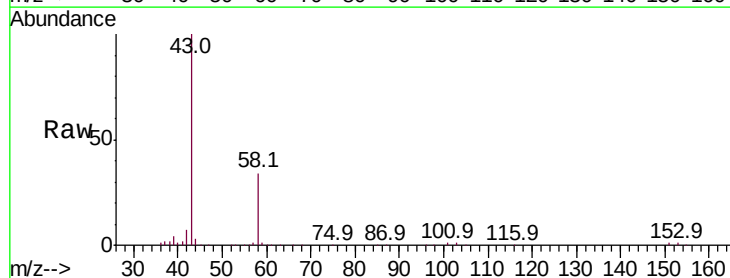
RT: 3.80 min Scan# 630

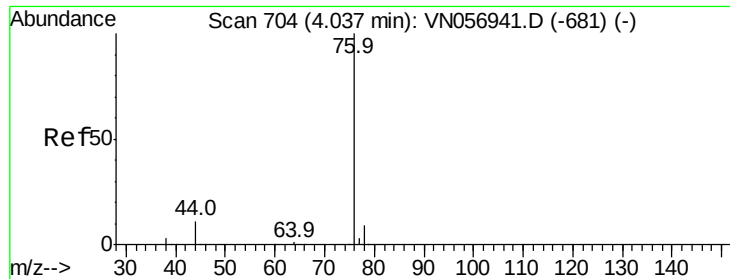
Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt Ion:	43	Resp:	630250
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8





#17

Carbon Disulfide

Concen: 47.303 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 735210

Ion Ratio Lower Upper

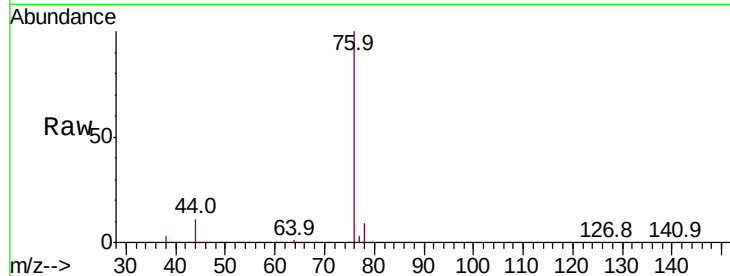
76 100

78 9.0 7.2 10.8

Manual Integrations
APPROVED

MMDadoda

8/2/2019 9:13:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

300000

250000

200000

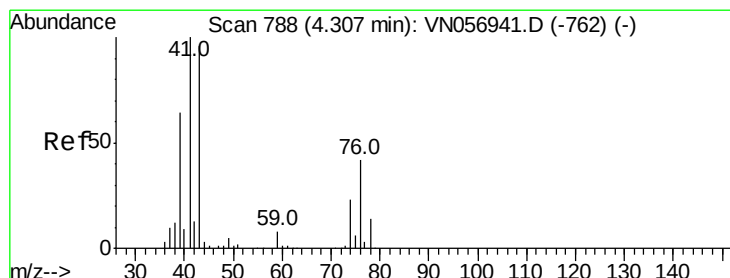
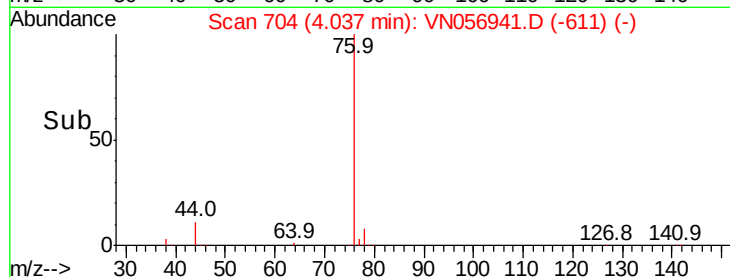
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 49.391 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN056941.D

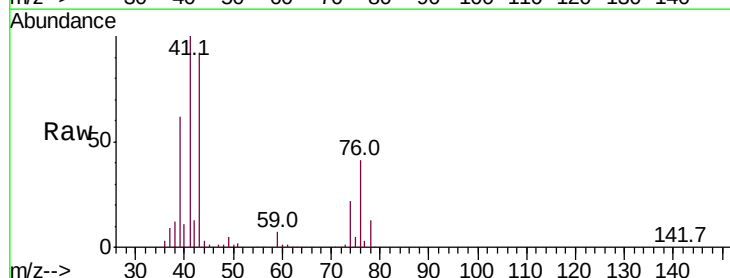
Acq: 26 Jul 2019 10:34

Tgt Ion: 43 Resp: 382288

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

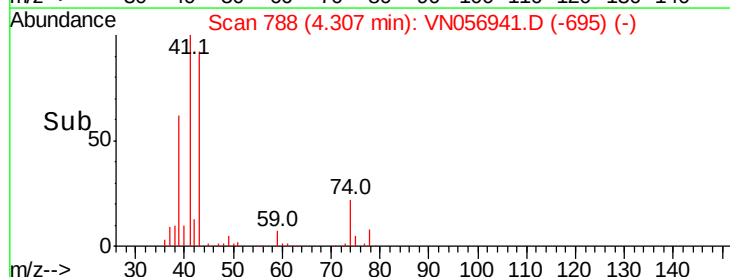
150000

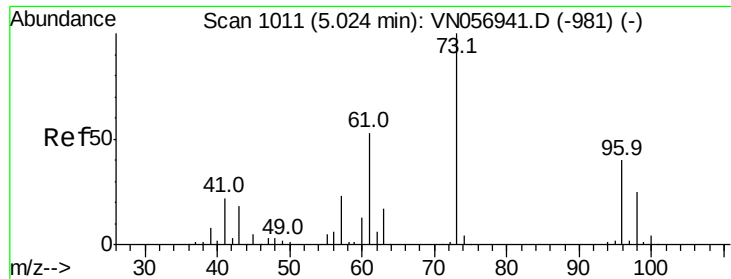
100000

50000

0

Time-->





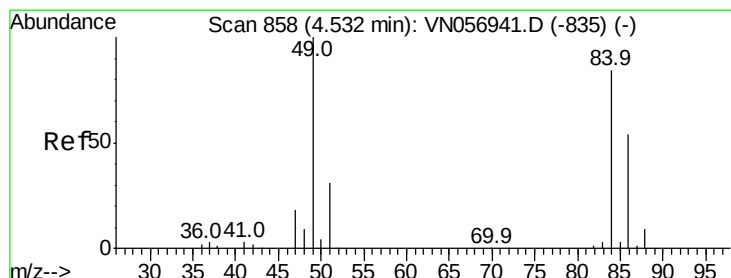
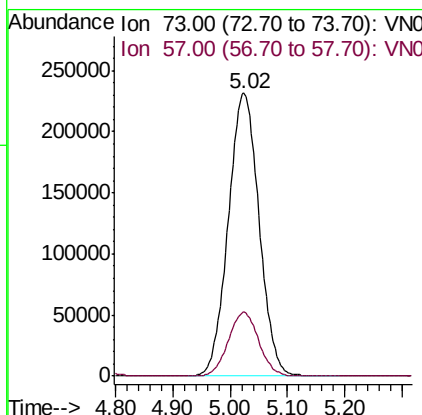
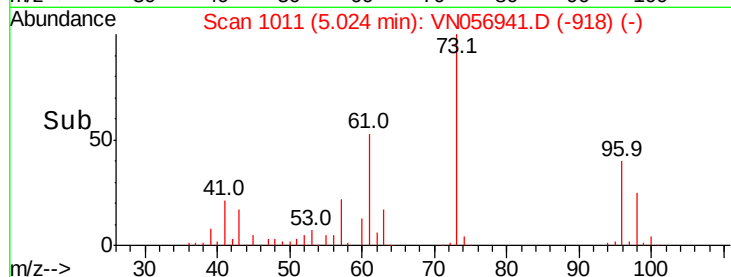
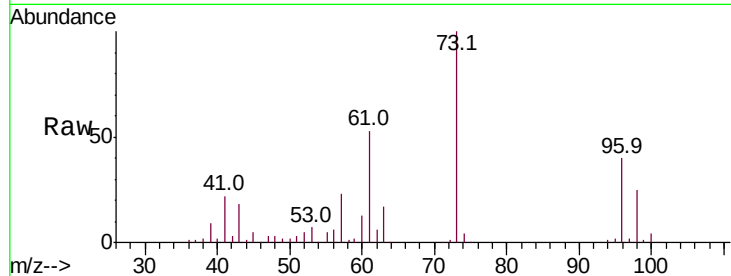
#19
Methyl tert-butyl Ether
Concen: 50.449 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 863509
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

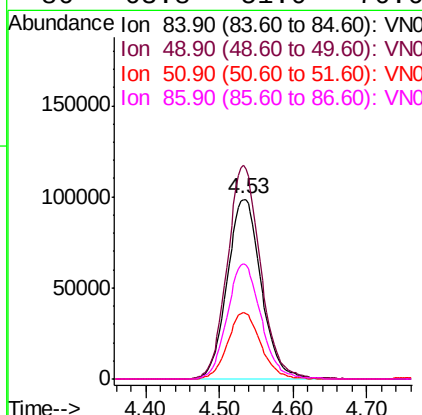
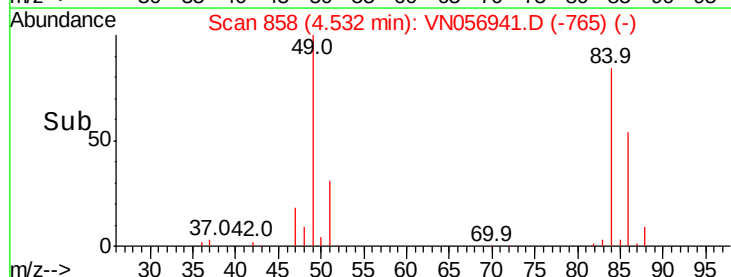
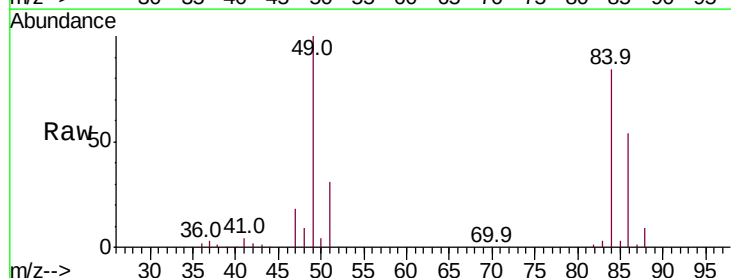
Manual Integrations
APPROVED

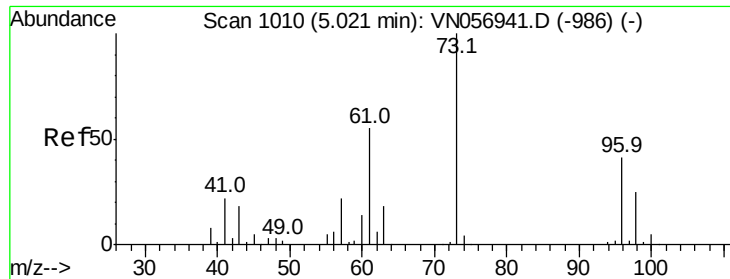
MMDadoda
8/2/2019 9:13:14 AM



#20
Methylene Chloride
Concen: 45.865 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 84 Resp: 316688
Ion Ratio Lower Upper
84 100
49 119.0 95.2 142.8
51 37.1 29.7 44.5
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 47.969 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 297295

Ion Ratio Lower Upper

96 100

61 134.4 107.5 161.3

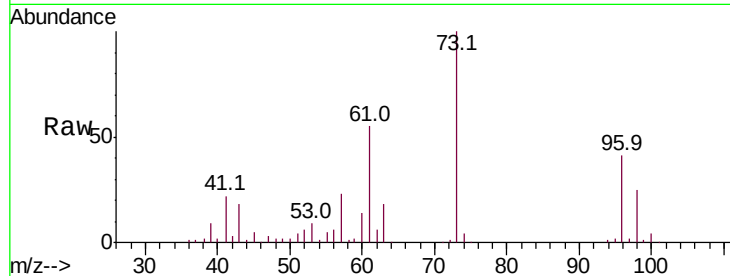
98 62.4 49.9 74.9

Manual Integrations

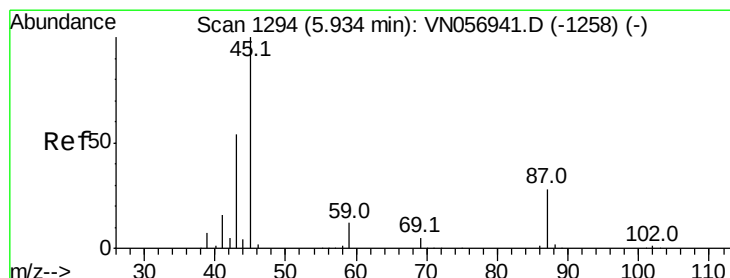
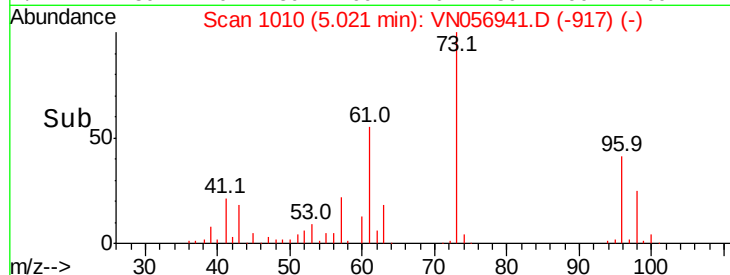
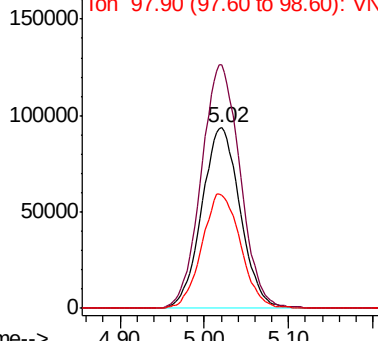
APPROVED

MMDadoda

8/2/2019 9:13:14 AM



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.201 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt Ion: 45 Resp: 940541

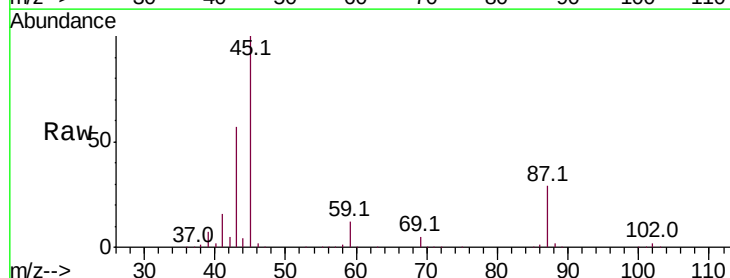
Ion Ratio Lower Upper

45 100

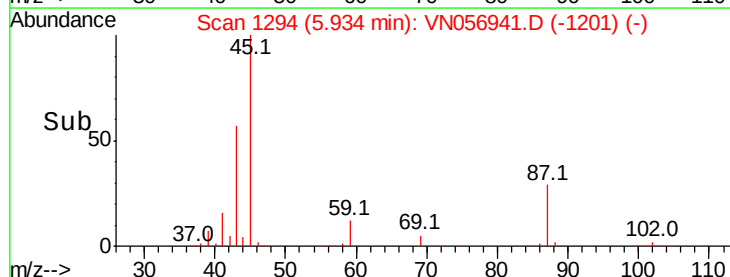
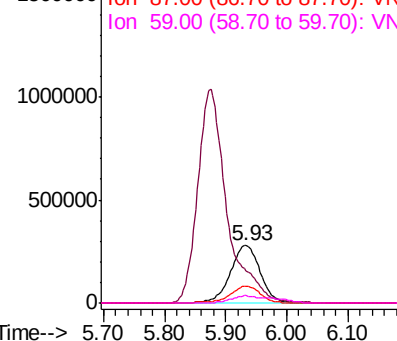
43 55.9 44.7 67.1

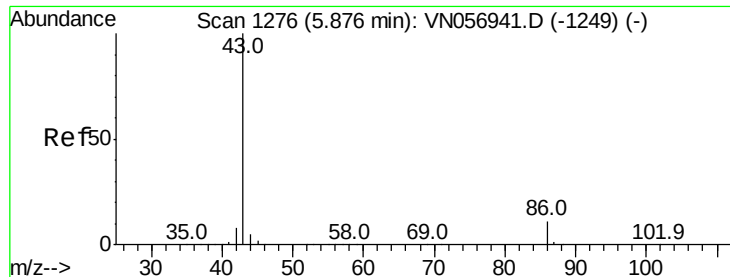
87 28.8 23.0 34.6

59 12.3 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





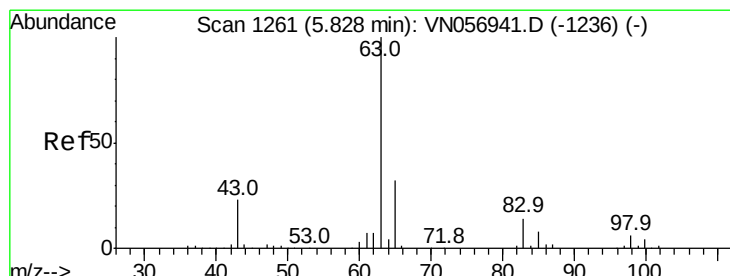
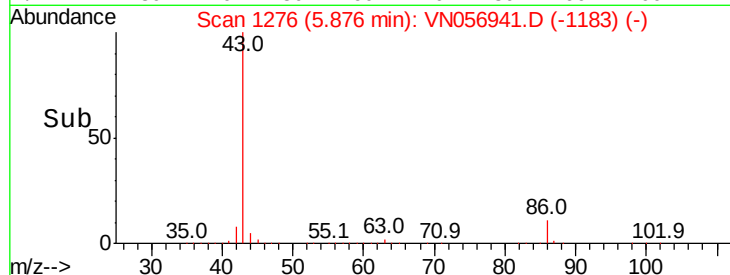
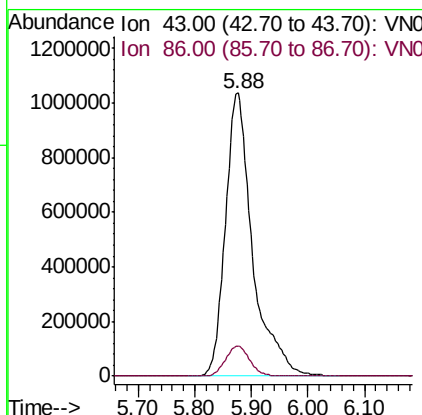
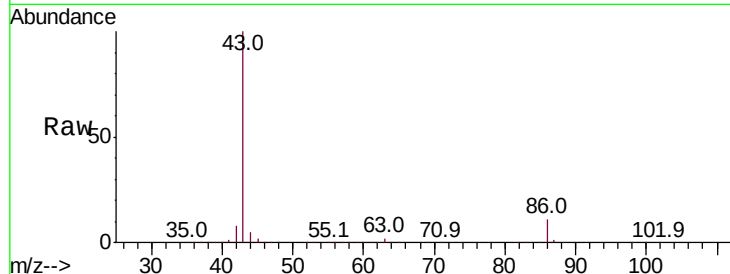
#23
 Vinyl Acetate
 Concen: 261.685 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 3465151
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7

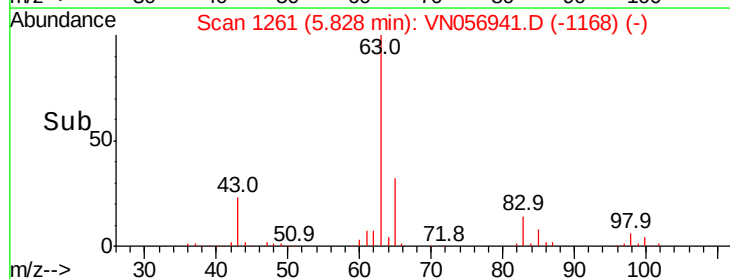
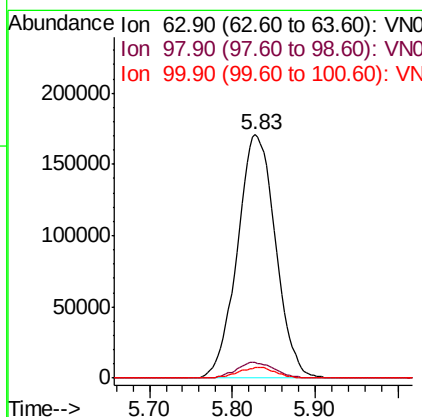
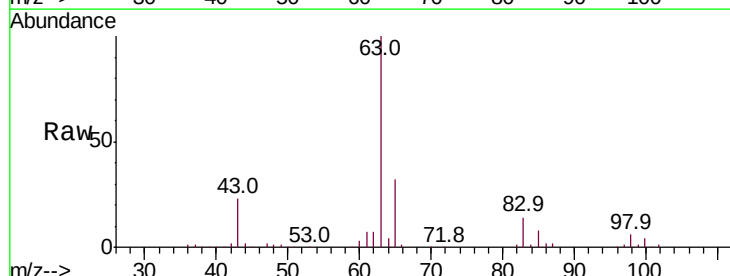
Manual Integrations
 APPROVED

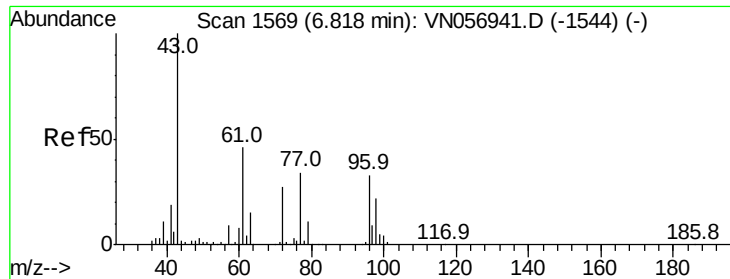
MMDadoda
 8/2/2019 9:13:14 AM



#24
 1,1-Dichloroethane
 Concen: 48.542 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 63 Resp: 546062
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 273.554 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 934958

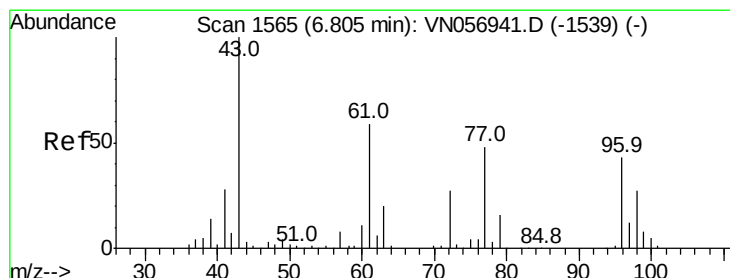
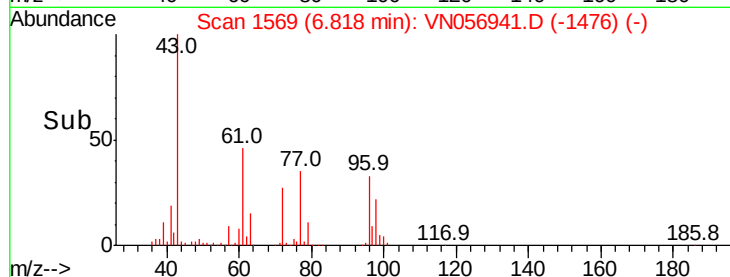
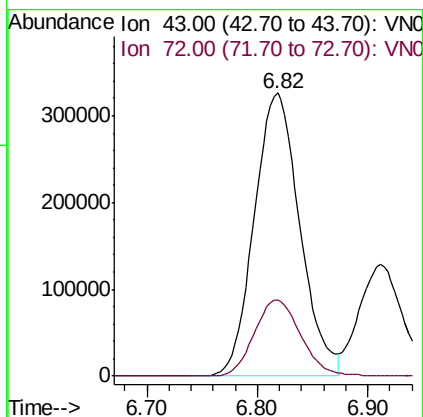
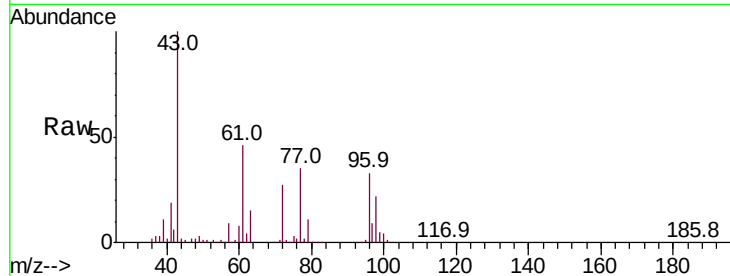
Ion Ratio Lower Upper

43 100

72 26.9 21.5 32.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



#26

2,2-Dichloropropane

Concen: 50.382 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN056941.D

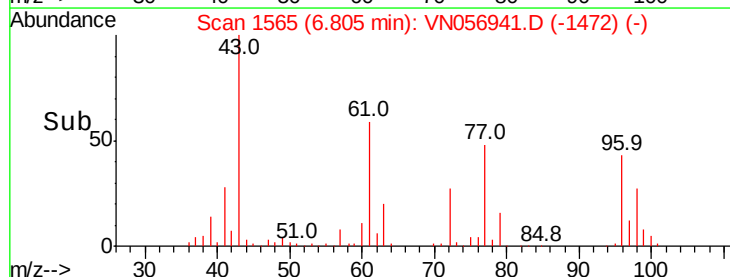
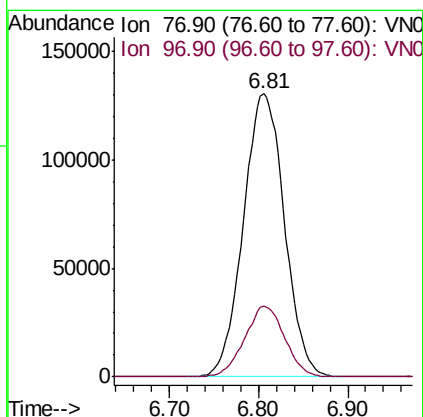
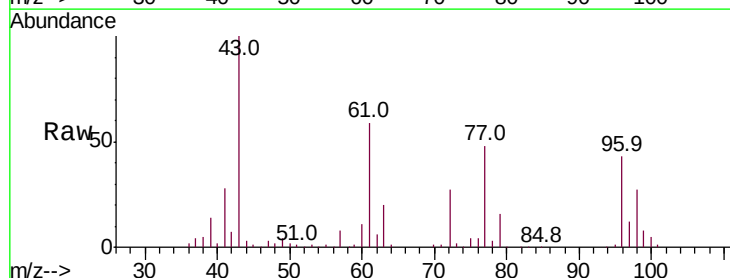
Acq: 26 Jul 2019 10:34

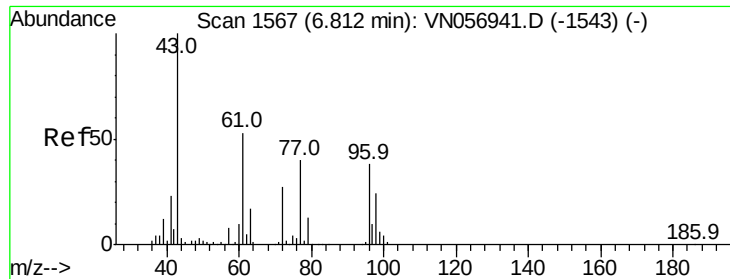
Tgt Ion: 77 Resp: 416789

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.000 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN056941.D

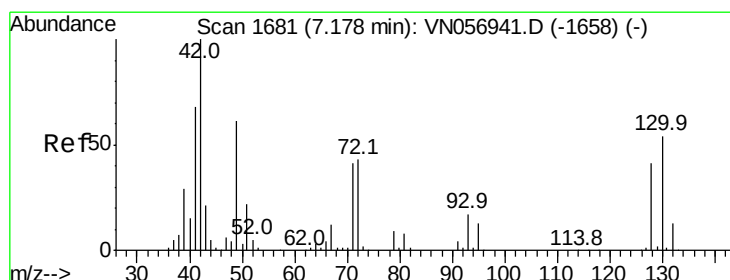
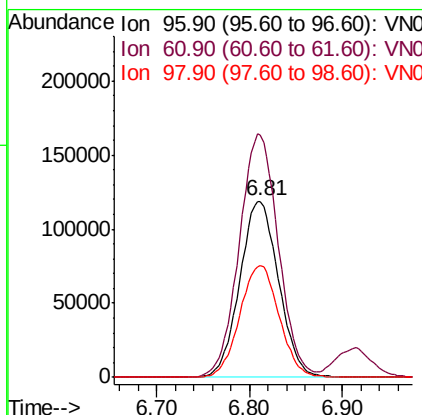
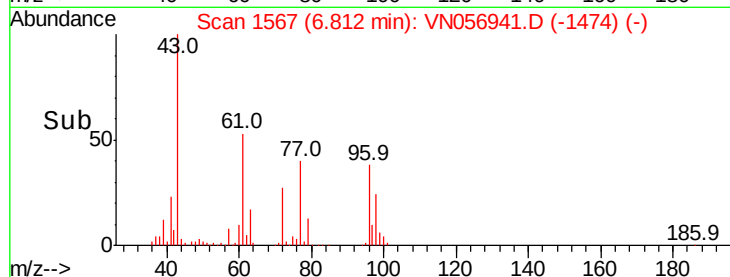
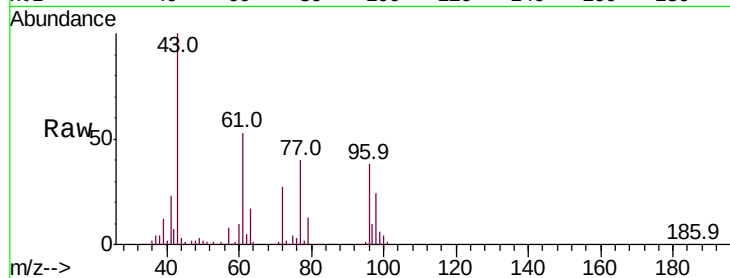
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.6	0.0	277.2	
98	64.2	0.0	128.4	

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



#28

Bromochloromethane

Concen: 47.252 ug/l

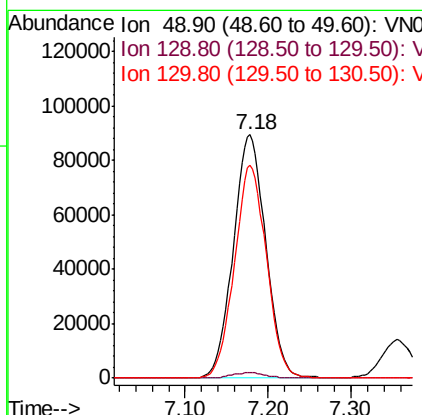
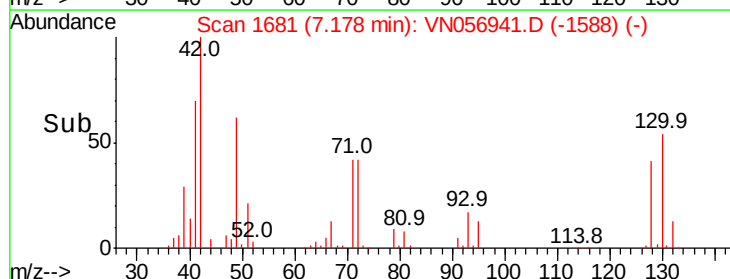
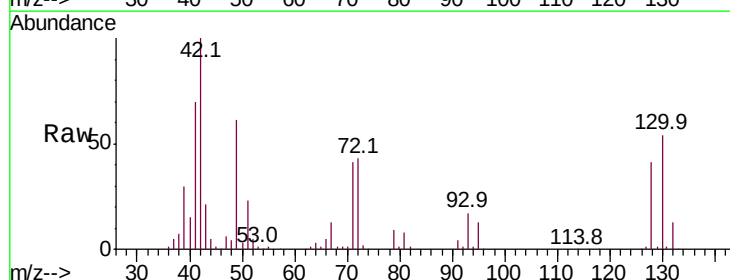
RT: 7.18 min Scan# 1681

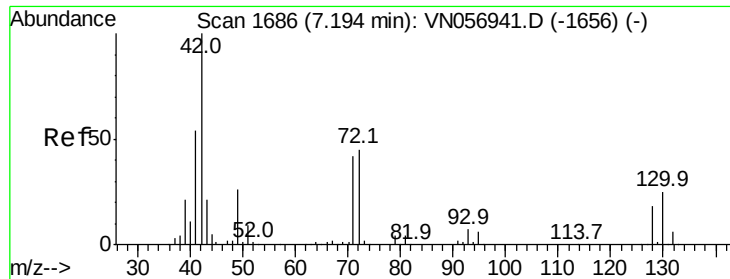
Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	86.2	69.0	103.4	





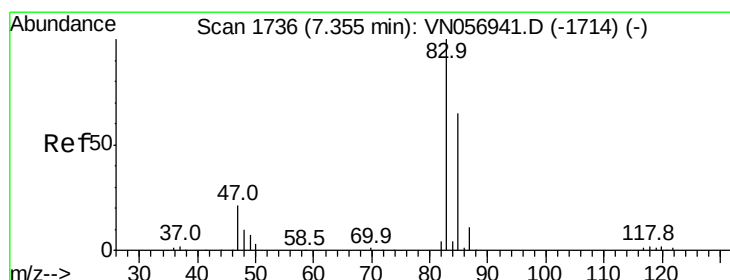
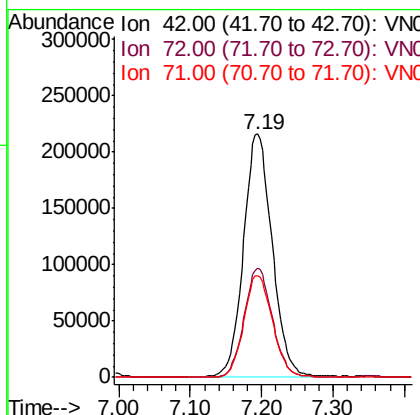
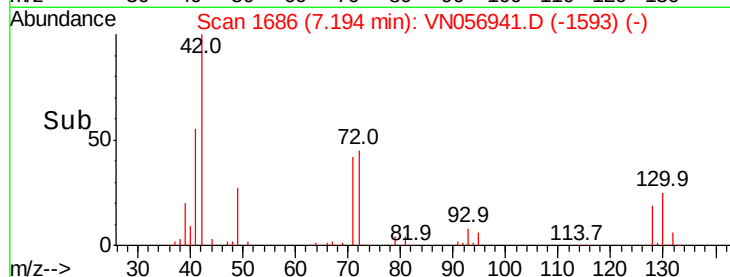
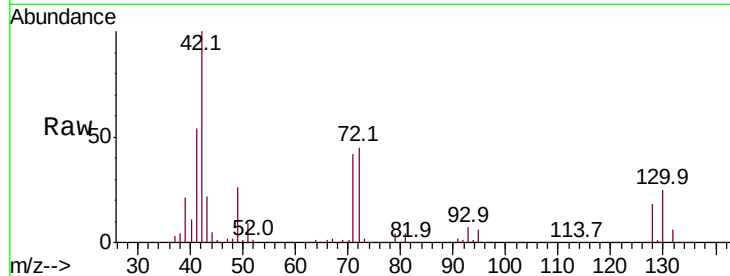
#29
Tetrahydrofuran
Concen: 270.513 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.6	53.4
71	41.9	33.5	50.3

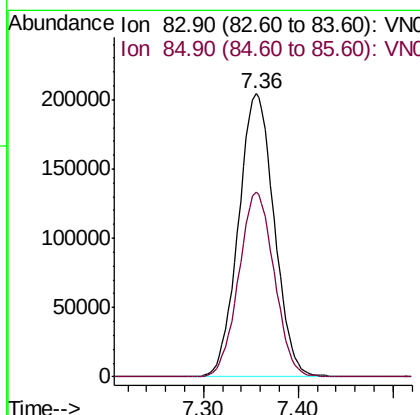
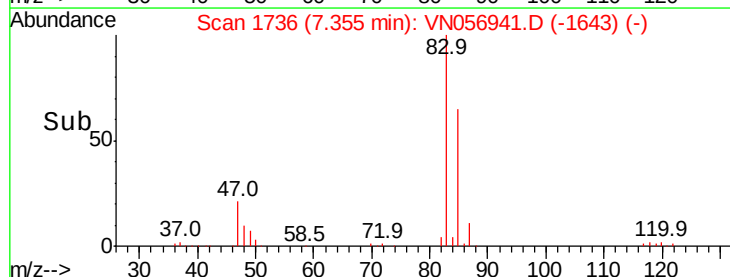
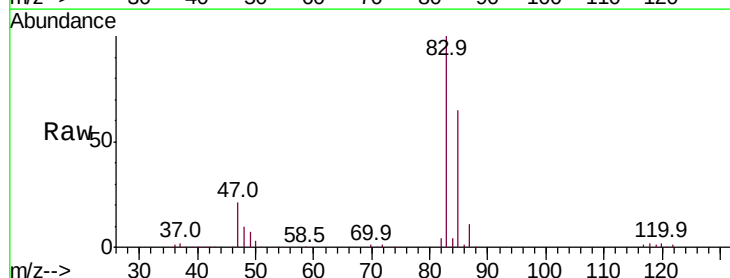
Manual Integrations
APPROVED

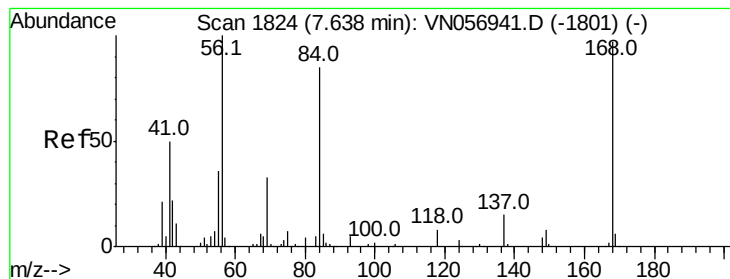
MMDadoda
8/2/2019 9:13:14 AM



#30
Chloroform
Concen: 46.323 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.2	78.2





#31

Cyclohexane

Concen: 47.429 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 518979

Ion Ratio Lower Upper

56 100

69 32.7 26.2 39.2

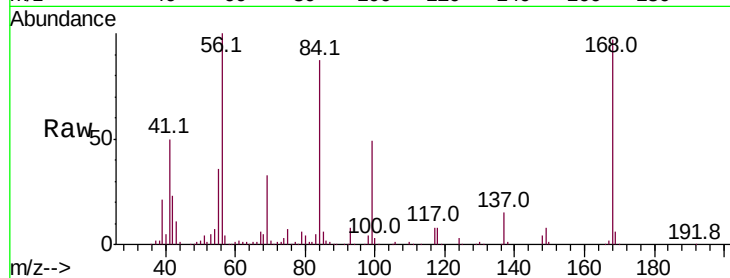
84 85.2 68.2 102.2

Manual Integrations

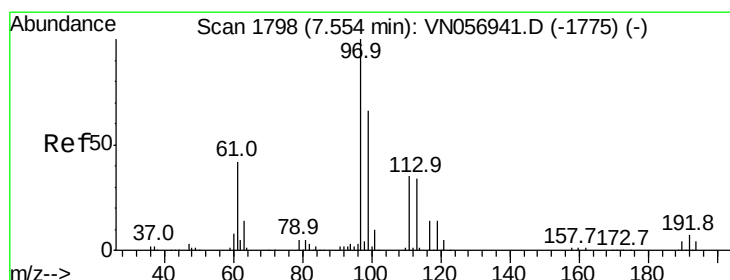
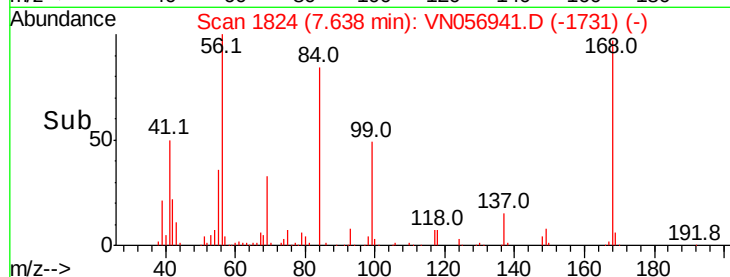
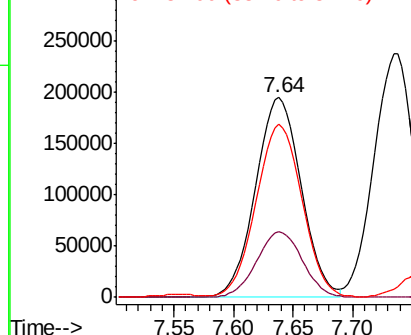
APPROVED

MMDadoda

8/2/2019 9:13:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 48.059 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

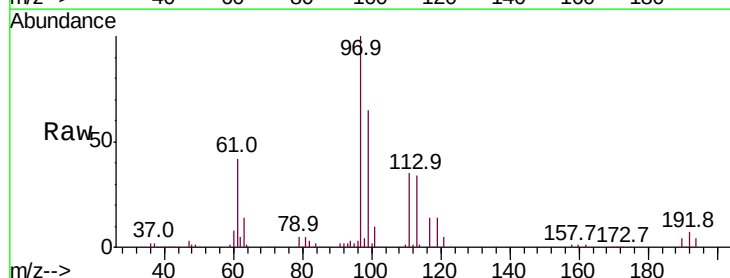
Tgt Ion: 97 Resp: 444898

Ion Ratio Lower Upper

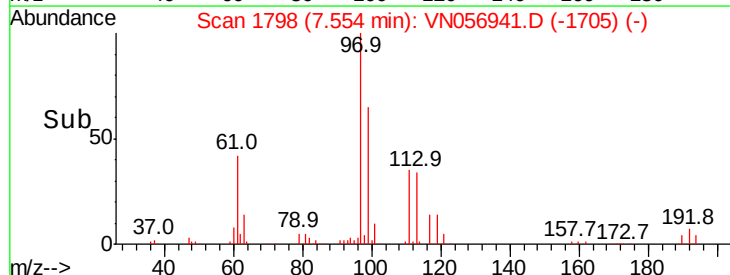
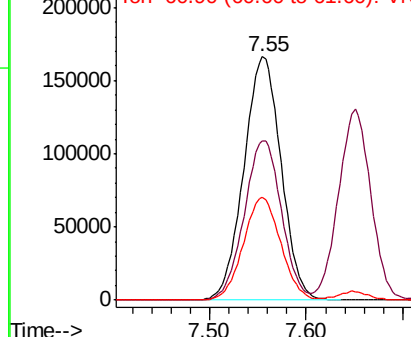
97 100

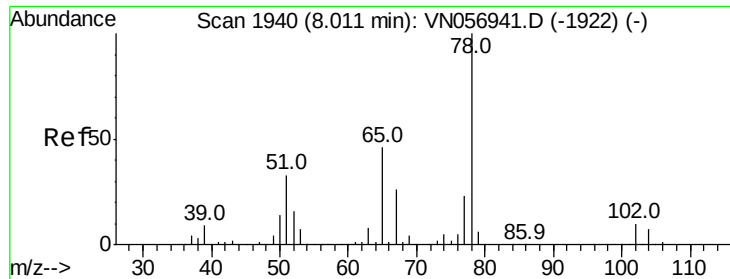
99 65.4 52.3 78.5

61 42.4 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





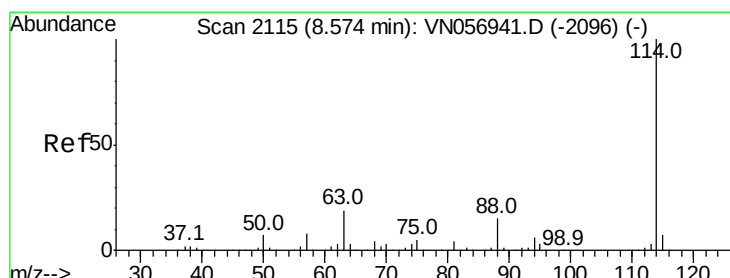
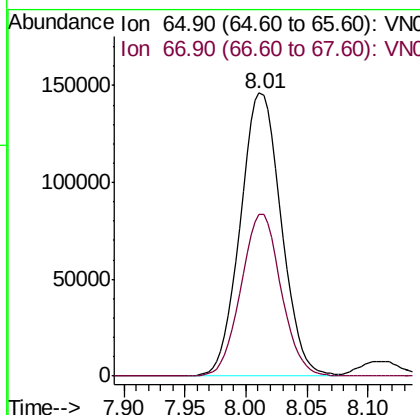
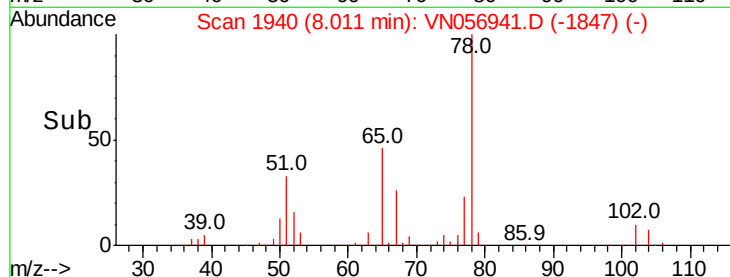
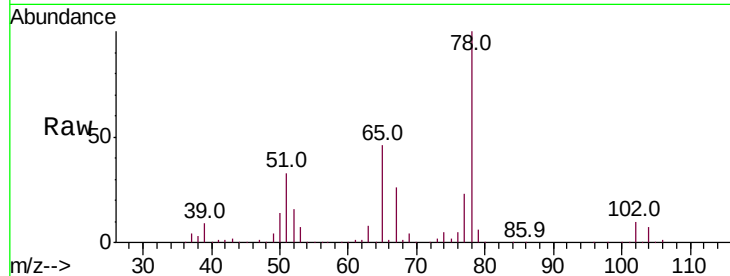
#33
 1,2-Dichloroethane-d4
 Concen: 52.529 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	339290		
67	56.0	0.0	112.0	

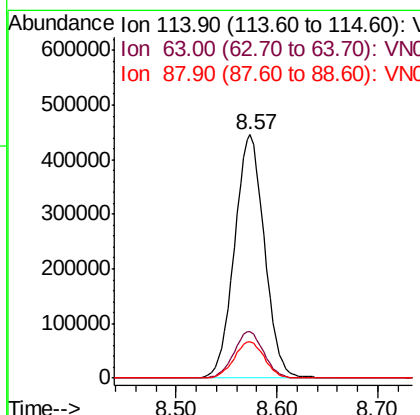
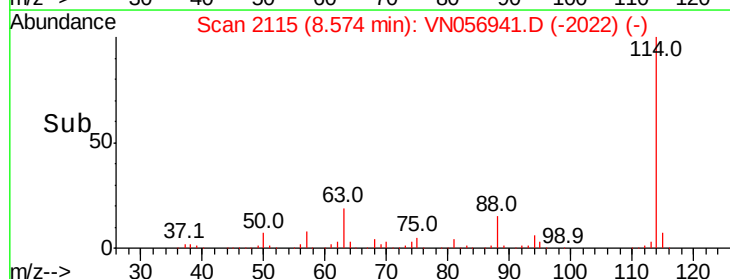
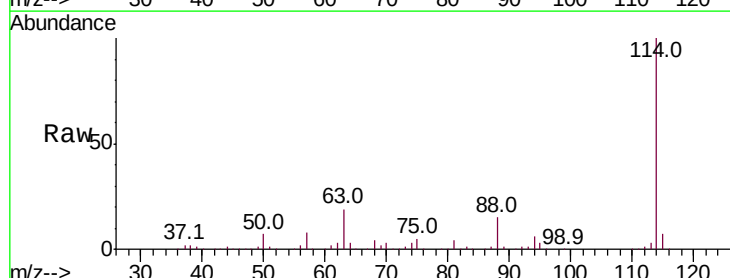
Manual Integrations
 APPROVED

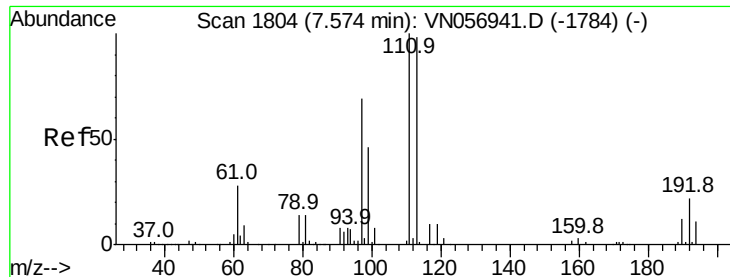
MMDadoda
 8/2/2019 9:13:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	914946		
63	19.0	0.0	38.0	
88	15.0	0.0	30.0	





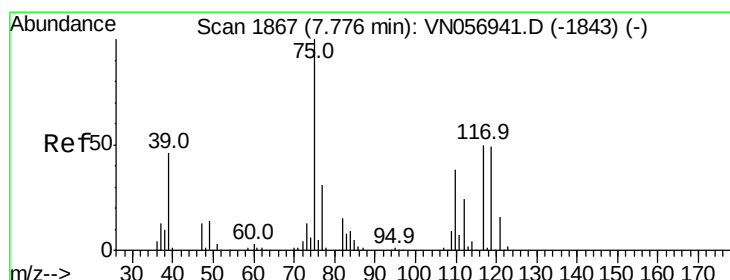
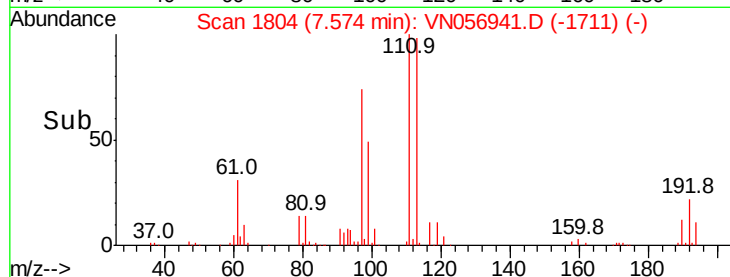
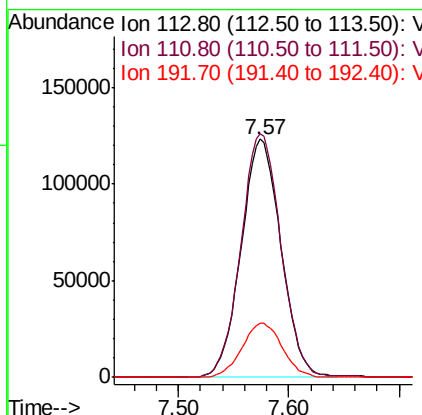
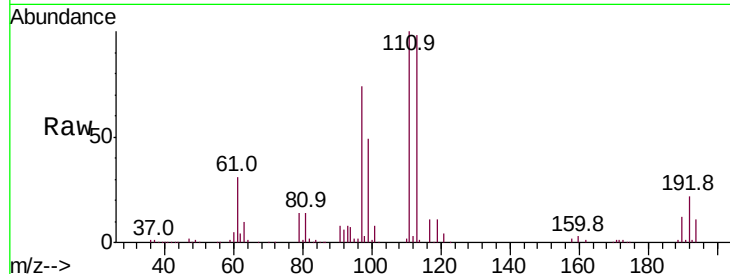
#35
 Dibromofluoromethane
 Concen: 53.192 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	23.0	18.4	27.6

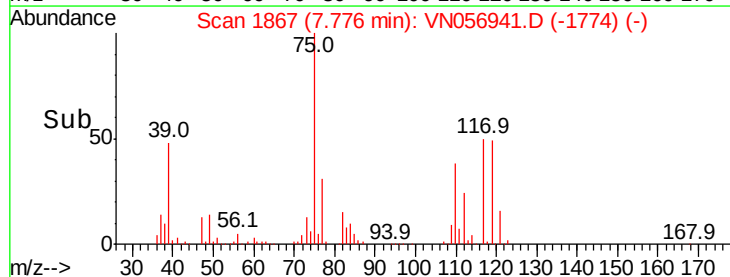
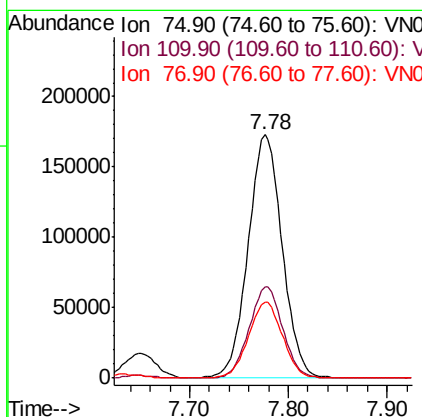
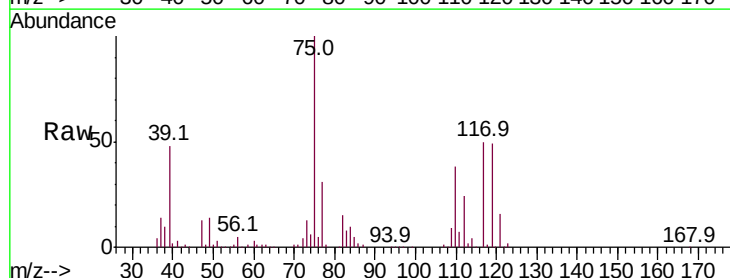
Manual Integrations
 APPROVED

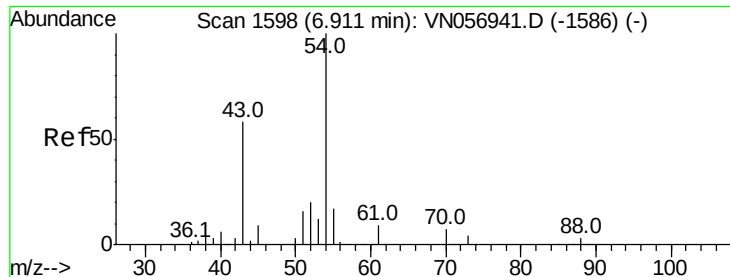
MMDadoda
 8/2/2019 9:13:14 AM



#36
 1,1-Dichloropropene
 Concen: 49.654 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	31.5	25.2	37.8





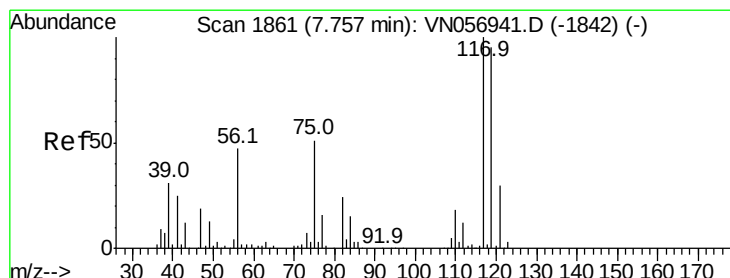
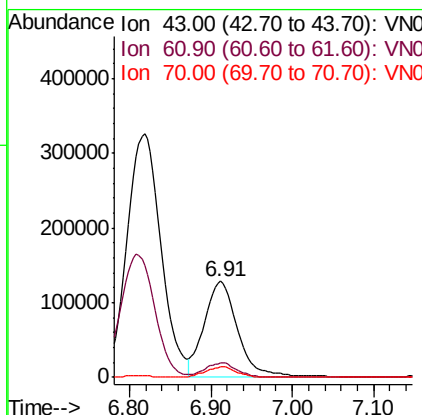
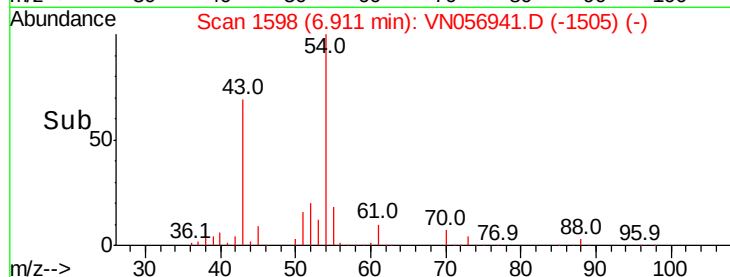
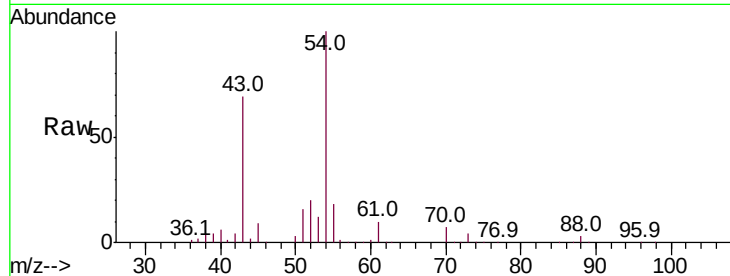
#37
Ethyl Acetate
Concen: 53.992 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	10.6	8.5	12.7

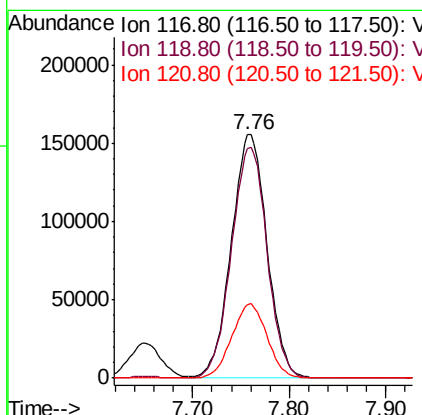
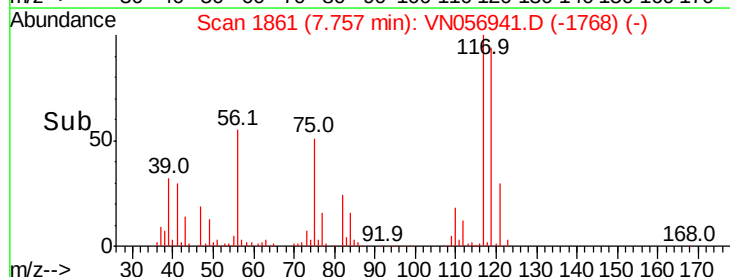
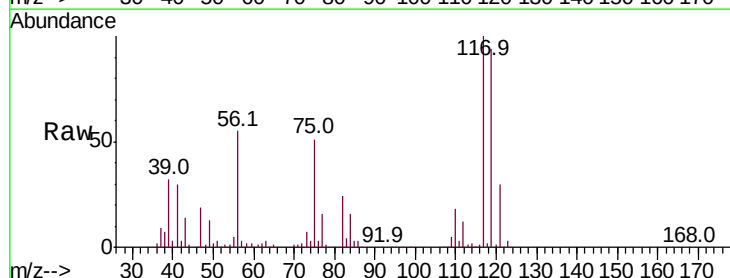
Manual Integrations
APPROVED

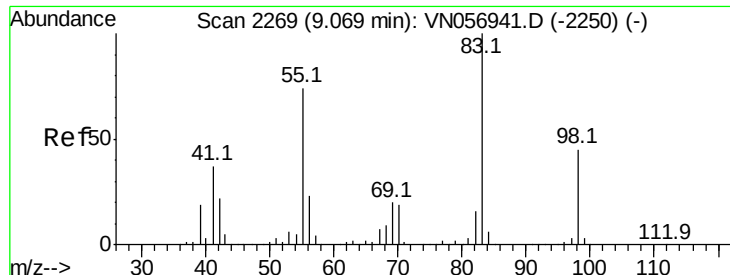
MMDadoda
8/2/2019 9:13:14 AM



#38
Carbon Tetrachloride
Concen: 50.641 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.3	112.9
121	30.3	24.2	36.4





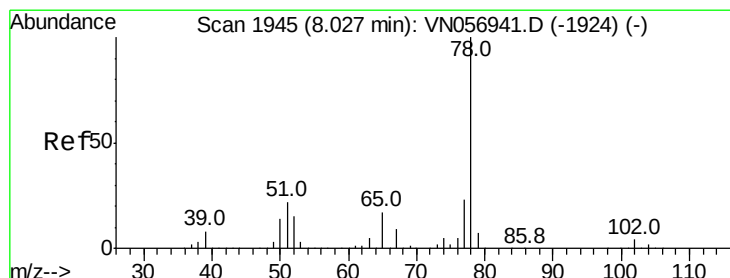
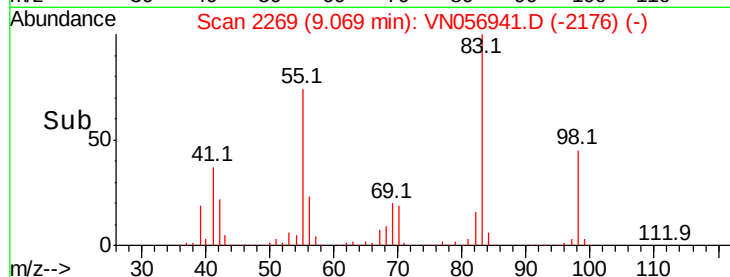
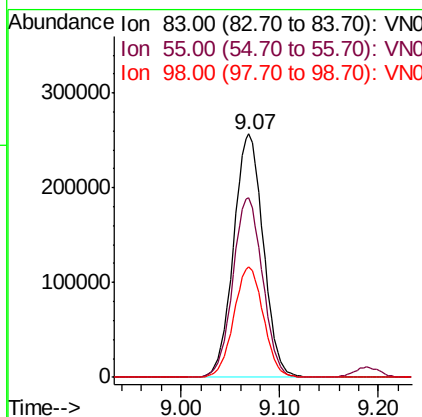
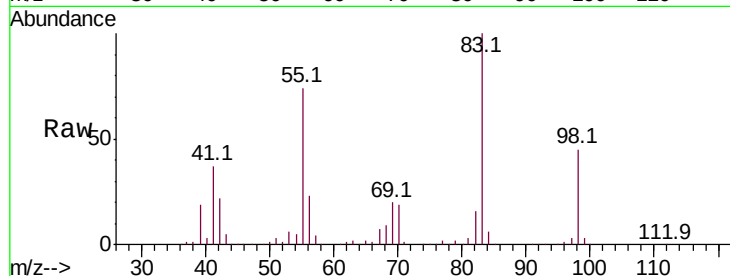
#39
Methylvlcyclohexane
Concen: 53.199 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	59.0	88.6
98	45.3	36.2	54.4

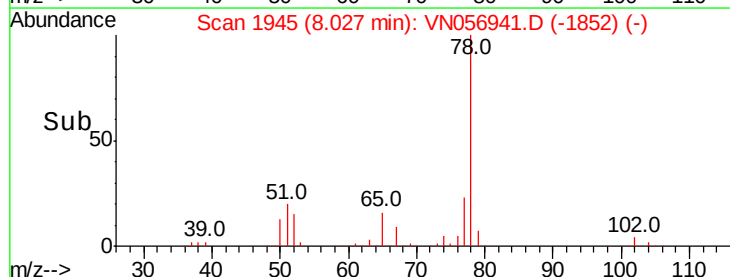
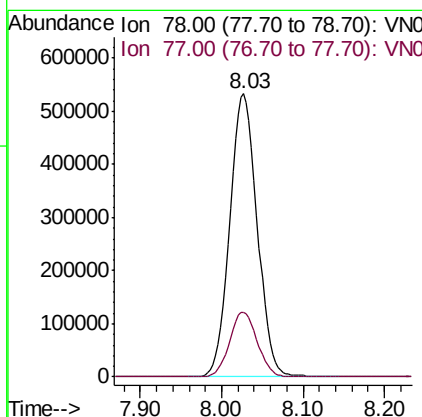
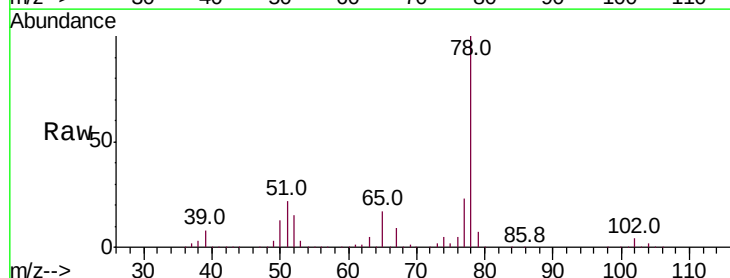
Manual Integrations
APPROVED

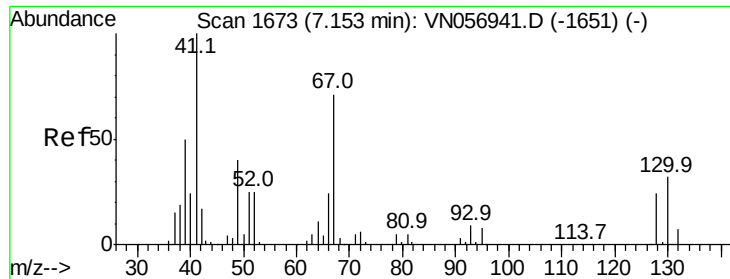
MMDadoda
8/2/2019 9:13:14 AM



#40
Benzene
Concen: 48.931 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





#41

Methacrylonitrile

Concen: 49.816 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 41 Resp: 150225

Ion Ratio Lower Upper

41 100

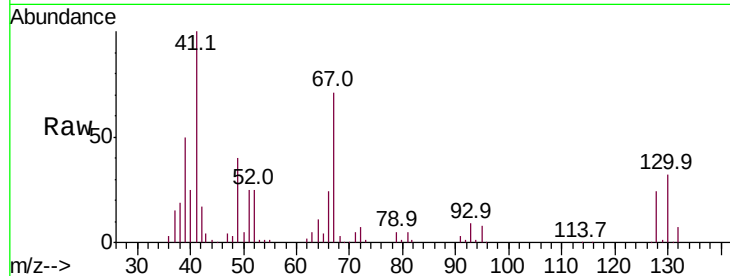
39 61.1 48.9 73.3

67 104.2 83.4 125.0

52 38.6 30.9 46.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM

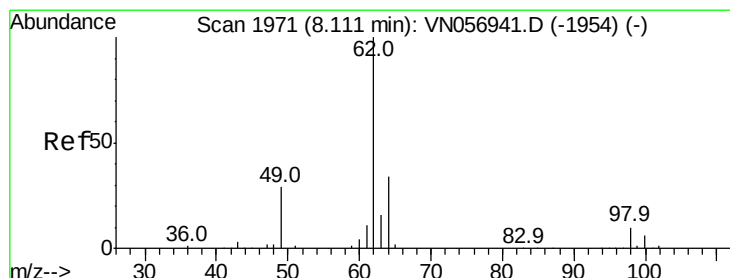
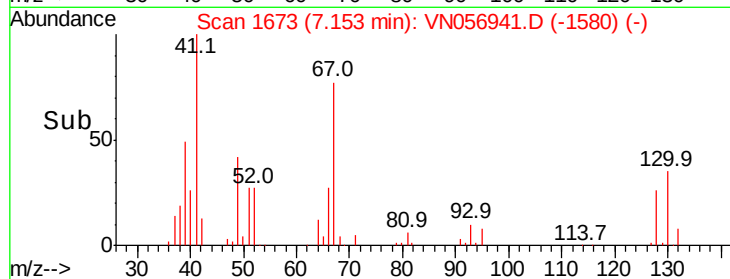
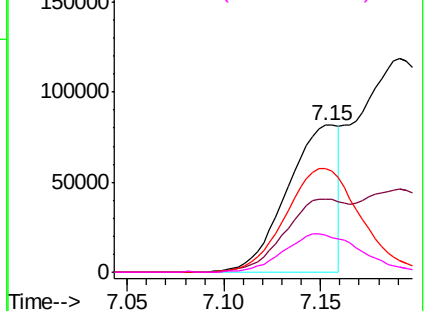


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 48.733 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN056941.D

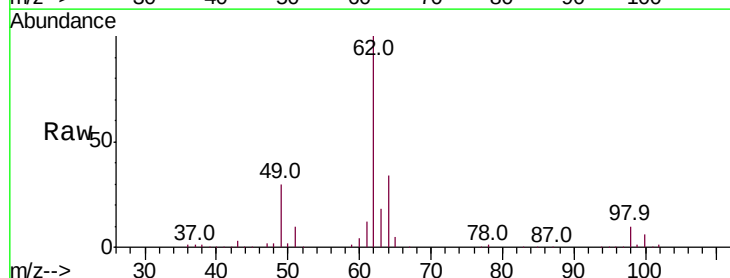
Acq: 26 Jul 2019 10:34

Tgt Ion: 62 Resp: 385467

Ion Ratio Lower Upper

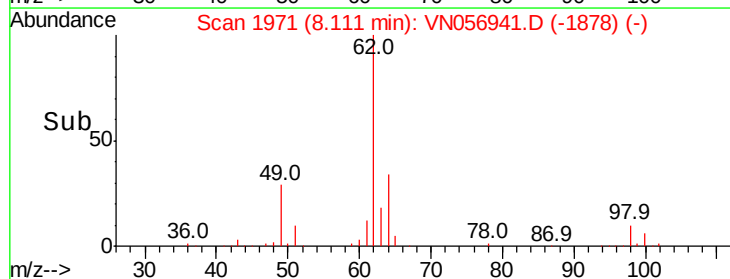
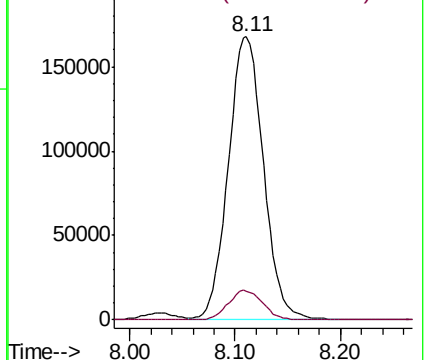
62 100

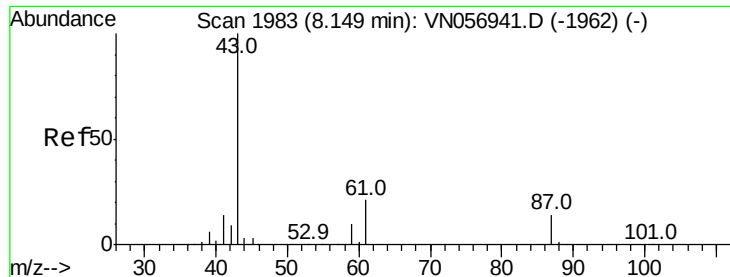
98 10.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 52.518 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

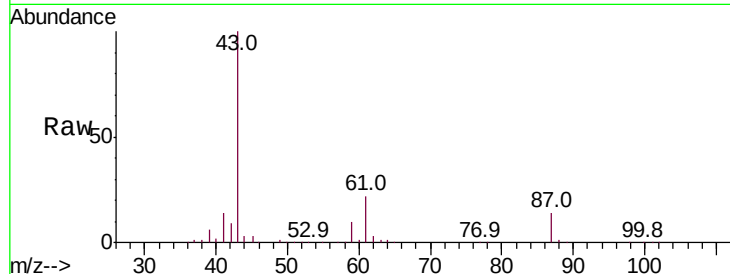
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	582414
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.0	34.6
87	14.6	11.7	17.5

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM

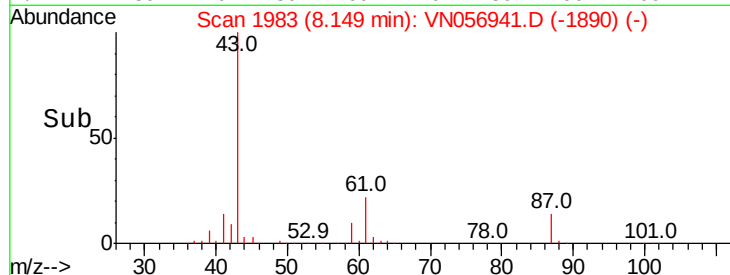


Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)

Time-->

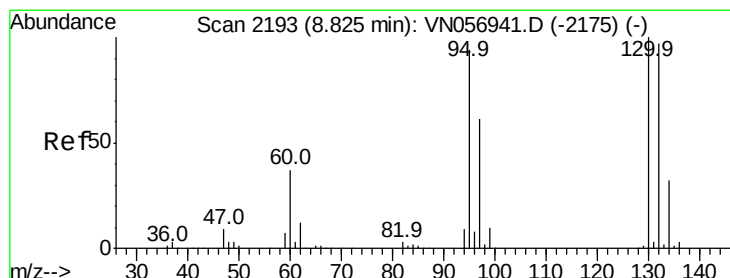


Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1890) (-)

Time-->



#44

Trichloroethene

Concen: 48.757 ug/l

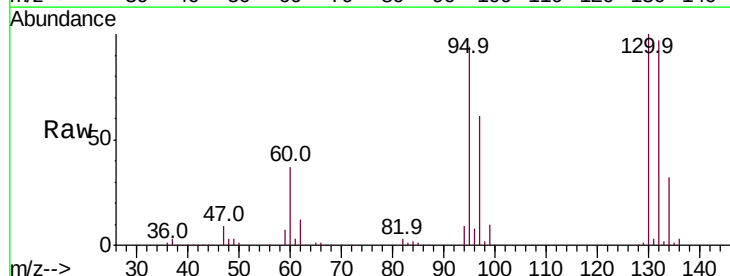
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

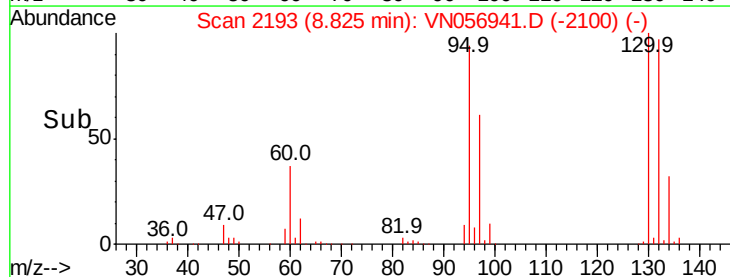
Tgt Ion:	130	Resp:	339897
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

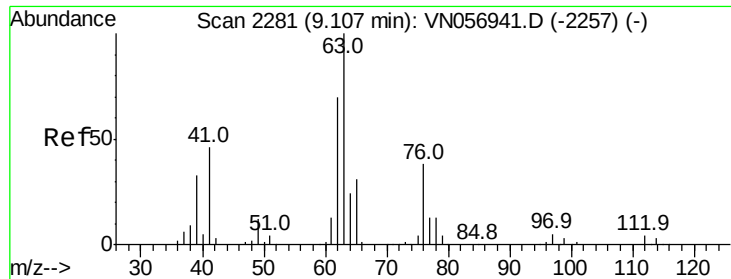
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2100) (-)

Time-->



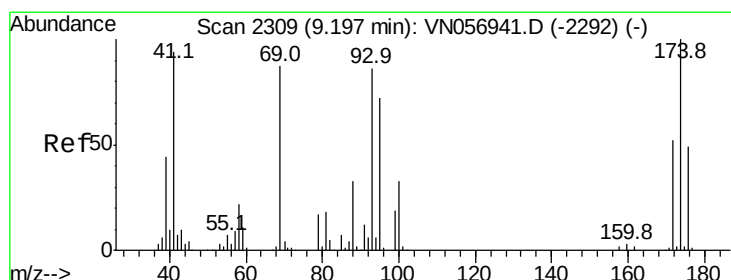
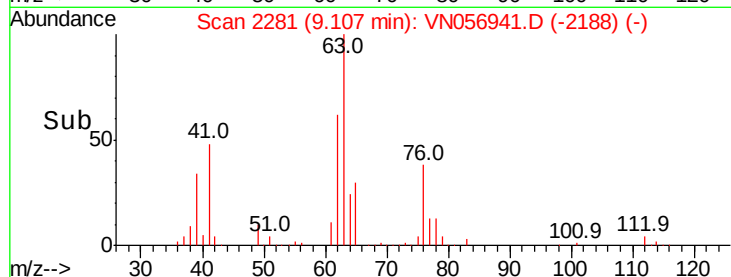
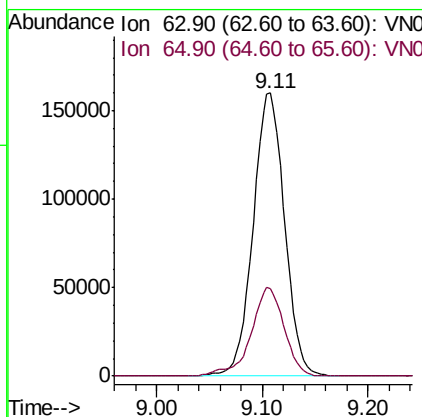
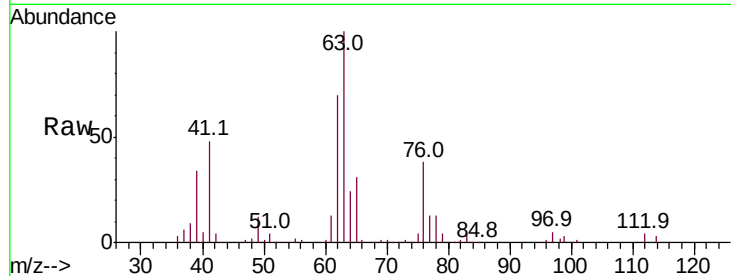
#45
 1,2-Dichloropropane
 Concen: 48.389 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 332757
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

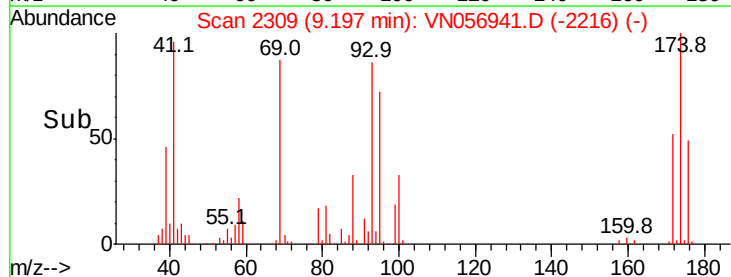
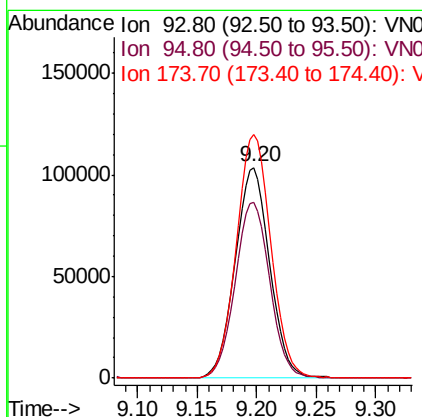
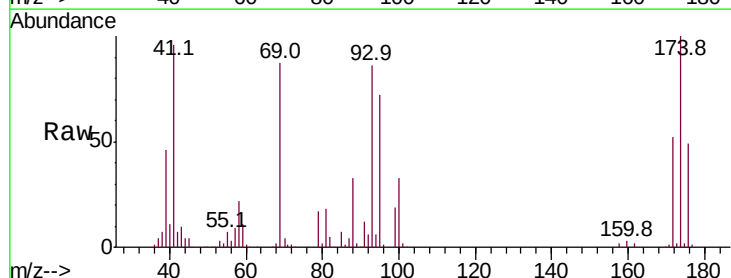
Manual Integrations
 APPROVED

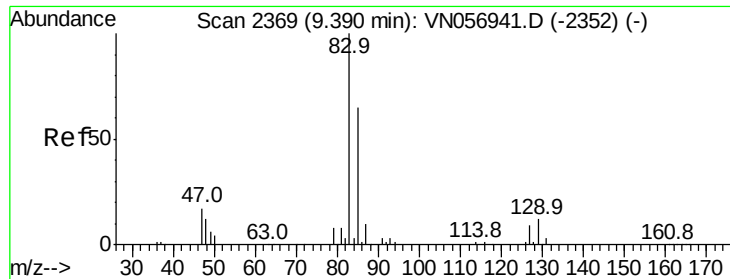
MMDadoda
 8/2/2019 9:13:14 AM



#46
 Dibromomethane
 Concen: 50.217 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion: 93 Resp: 208558
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.6
 174 115.9 92.7 139.1





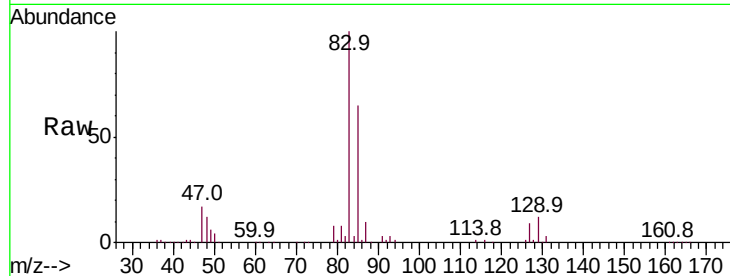
#47
Bromodichloromethane
Concen: 50.354 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

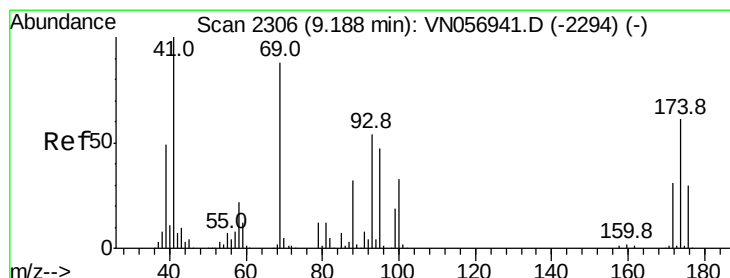
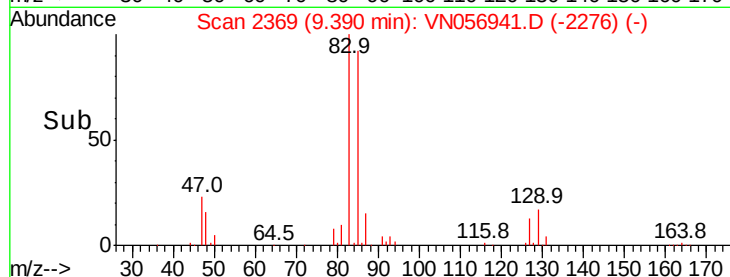
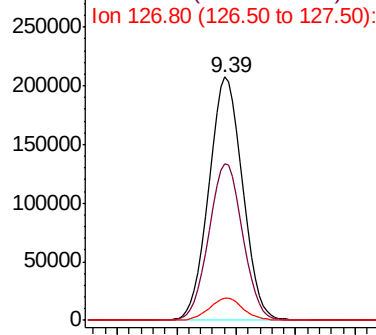
Tot Ion	83	Resp	408738
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.6	77.4
127	9.1	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM

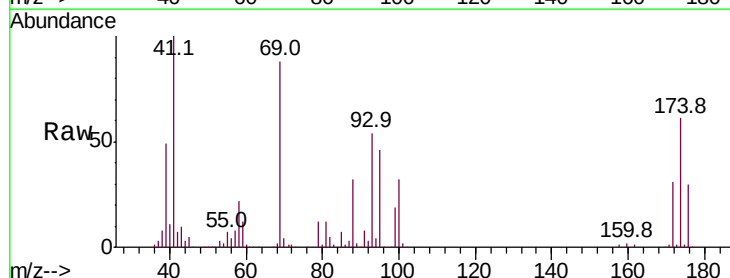


Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

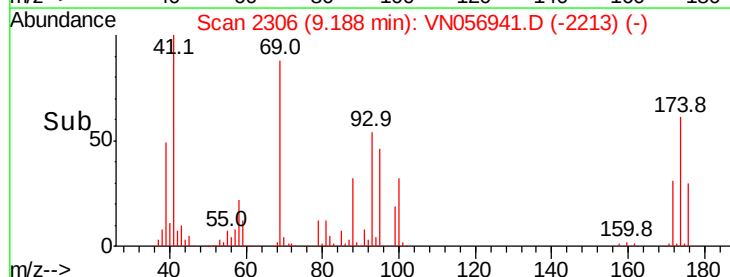
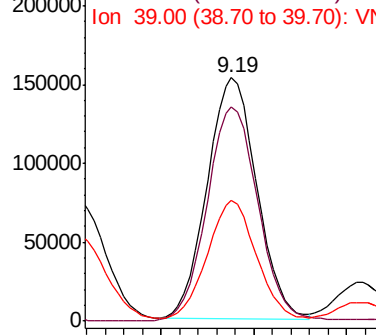


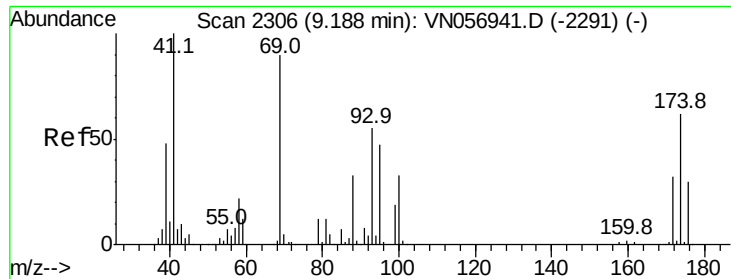
#48
Methyl methacrylate
Concen: 53.538 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	41	Resp	283529
Ion Ratio	100	Lower	Upper
41	100		
69	91.7	73.4	110.0
39	49.9	39.9	59.9



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)





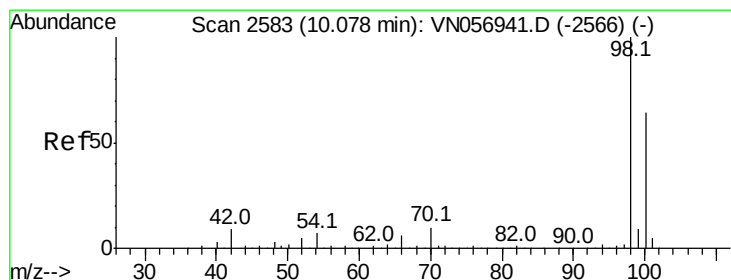
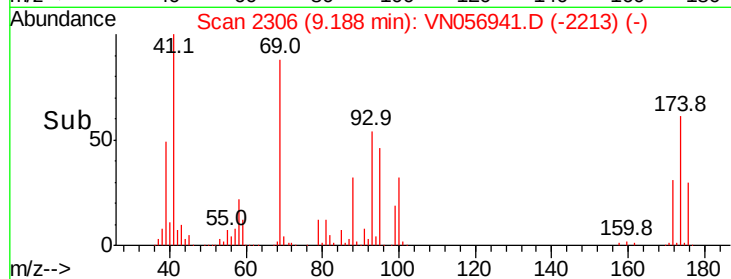
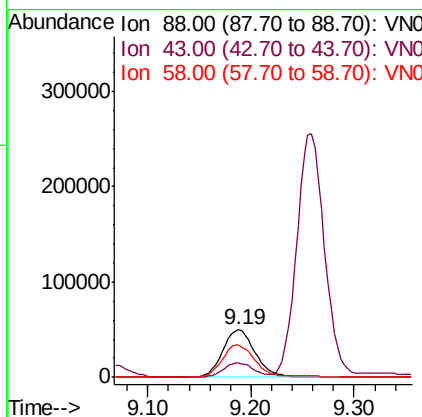
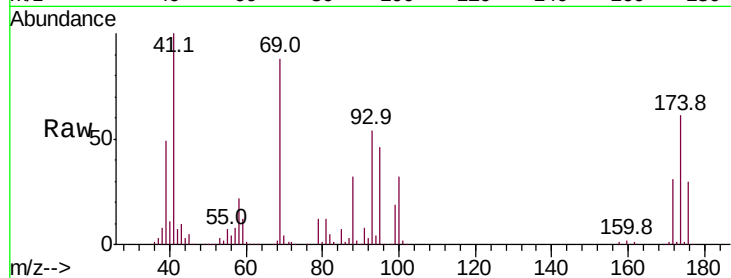
#49
1,4-Dioxane
Concen: 1008.064 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	110467
Ion	Ratio	Lower	Upper
88	100		
43	27.7	22.2	33.2
58	67.6	54.1	81.1

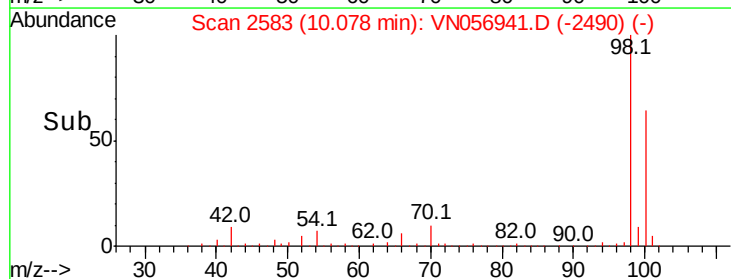
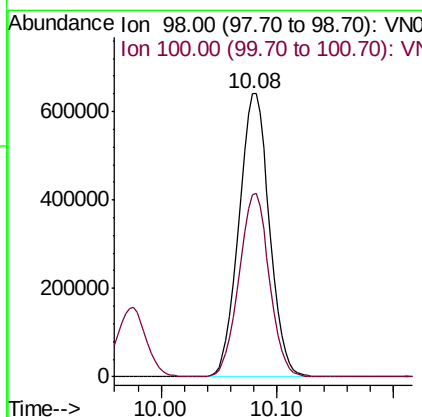
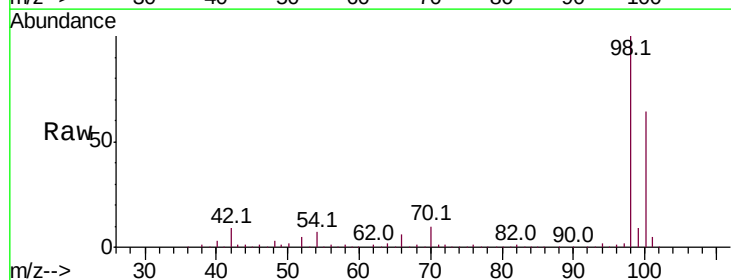
Manual Integrations
APPROVED

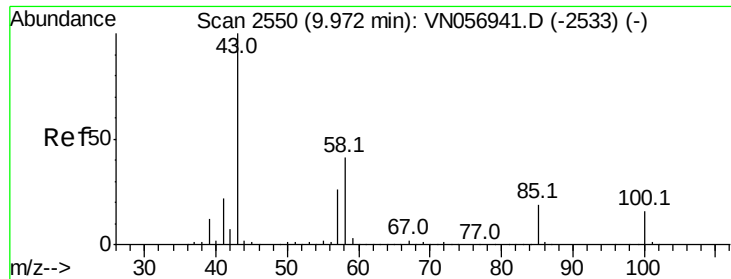
MMDadoda
8/2/2019 9:13:14 AM



#50
Toluene-d8
Concen: 53.064 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	98	Resp	1169659
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 266.308 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1755823

Ion Ratio Lower Upper

43 100

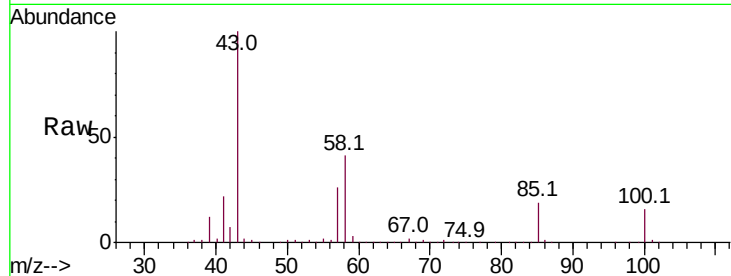
58 41.4 33.1 49.7

Manual Integrations

APPROVED

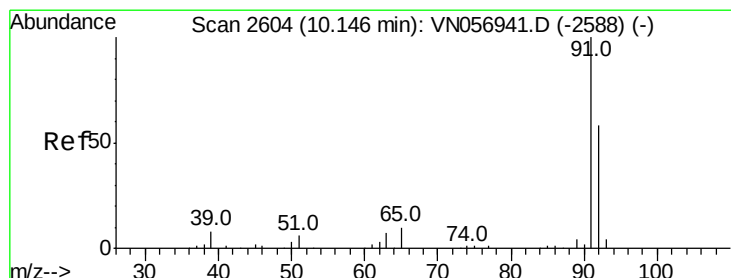
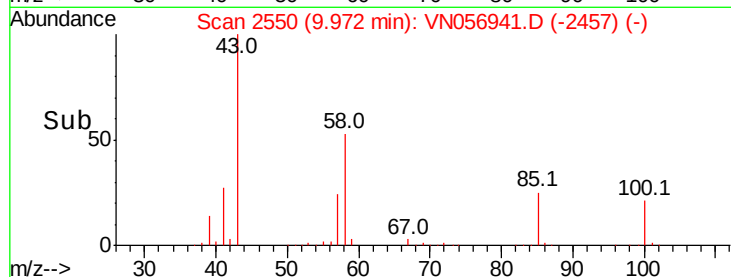
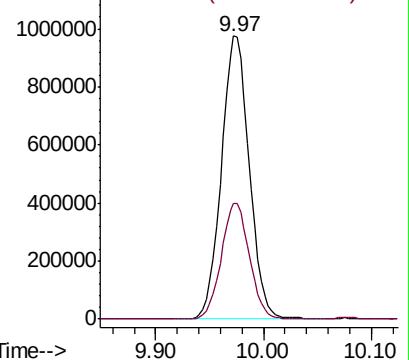
MMDadoda

8/2/2019 9:13:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.134 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN056941.D

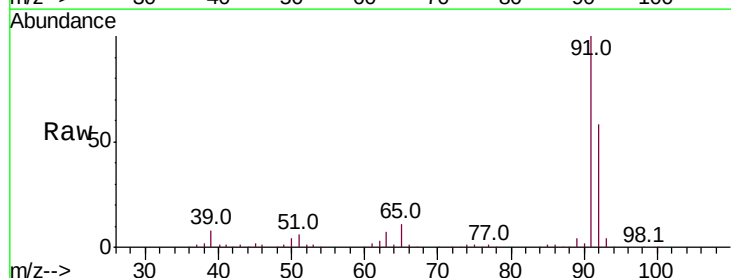
Acq: 26 Jul 2019 10:34

Tgt Ion: 92 Resp: 769223

Ion Ratio Lower Upper

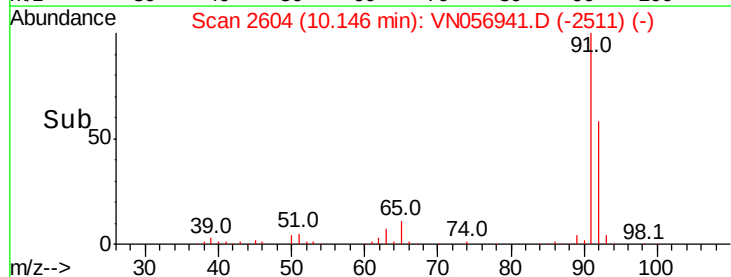
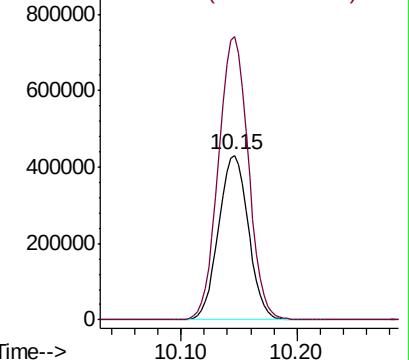
92 100

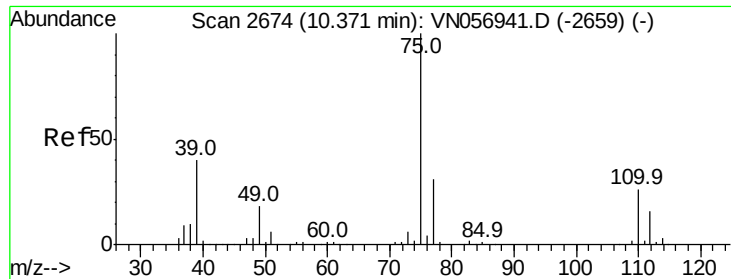
91 172.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





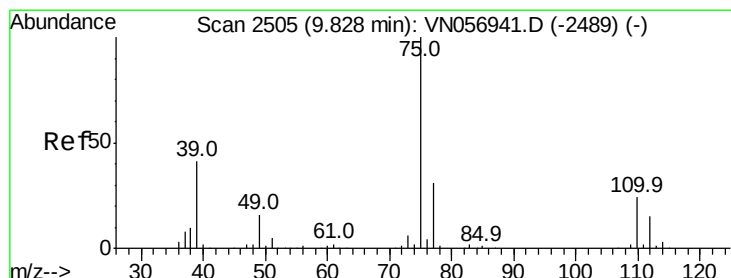
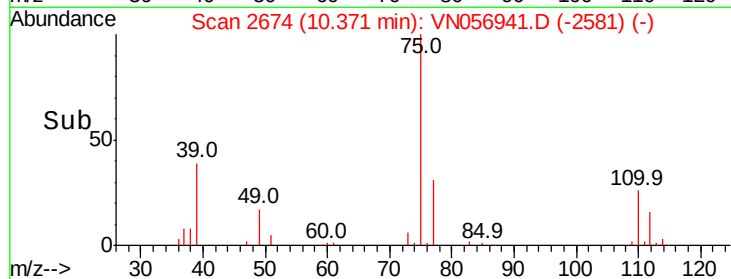
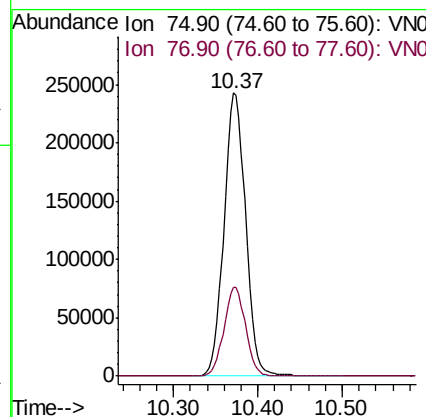
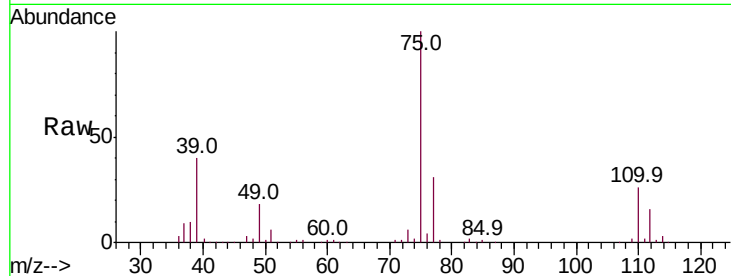
#53
t-1,3-Dichloropropene
Concen: 52.595 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 431662
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

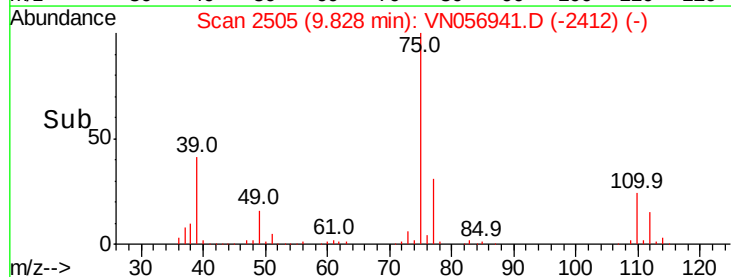
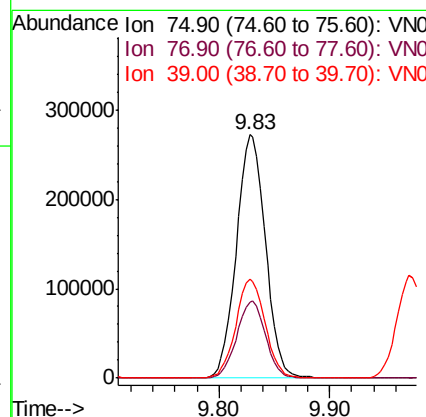
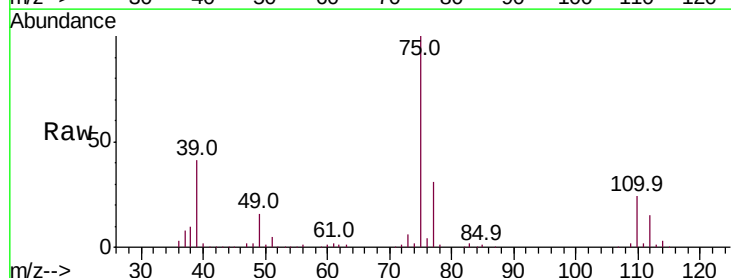
Manual Integrations
APPROVED

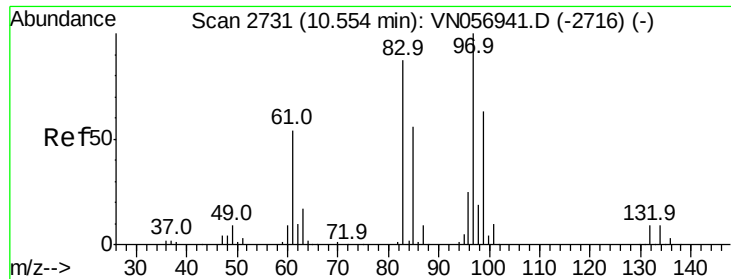
MMDadoda
8/2/2019 9:13:14 AM



#54
cis-1,3-Dichloropropene
Concen: 51.740 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 75 Resp: 498177
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6
39 40.8 32.6 49.0





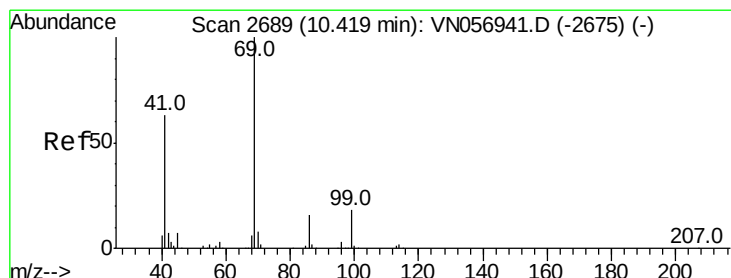
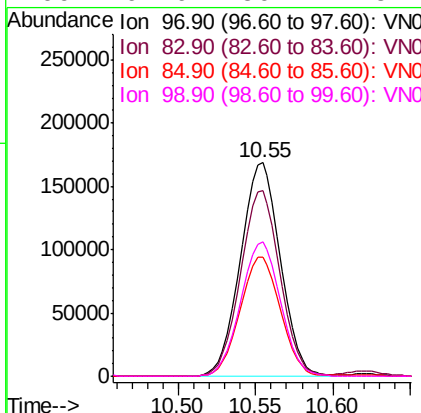
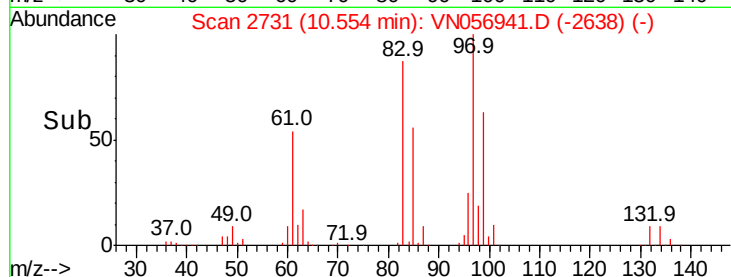
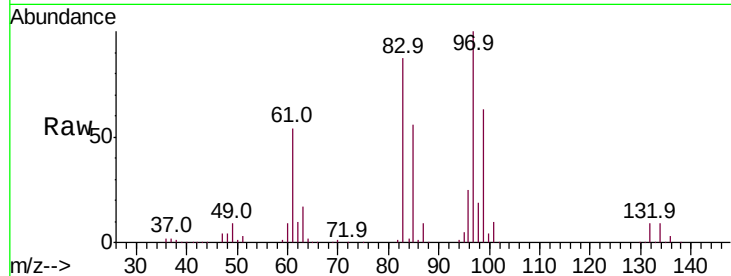
#55
 1,1,2-Trichloroethane
 Concen: 49.108 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	97	Resp	303305
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.0
85	55.9	44.7	67.1
99	62.6	50.1	75.1

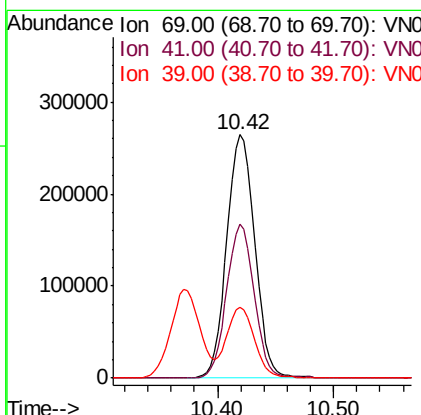
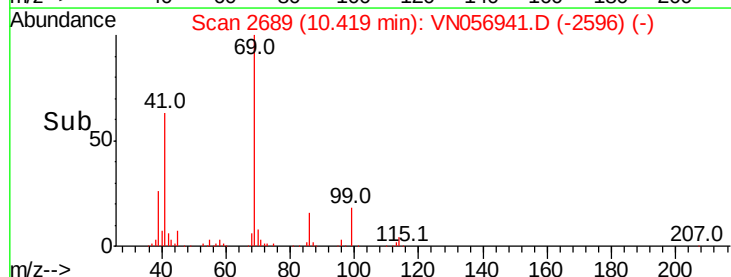
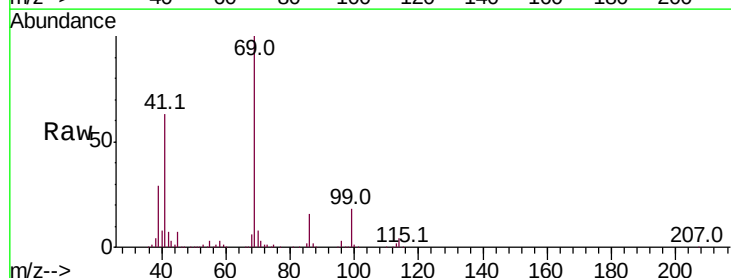
Manual Integrations
 APPROVED

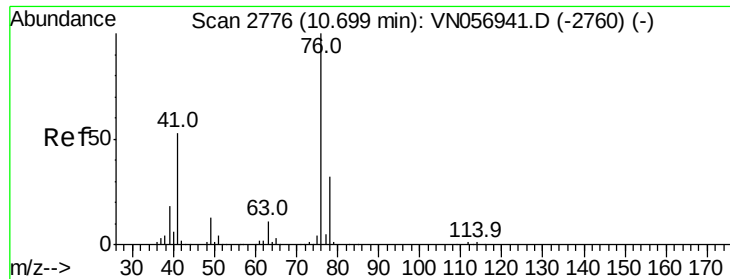
MMDadoda
 8/2/2019 9:13:14 AM



#56
 Ethyl methacrylate
 Concen: 53.326 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion	69	Resp	444506
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.2	73.8
39	28.9	23.1	34.7





#57

1,3-Dichloropropane

Concen: 49.909 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 503676

Ion Ratio Lower Upper

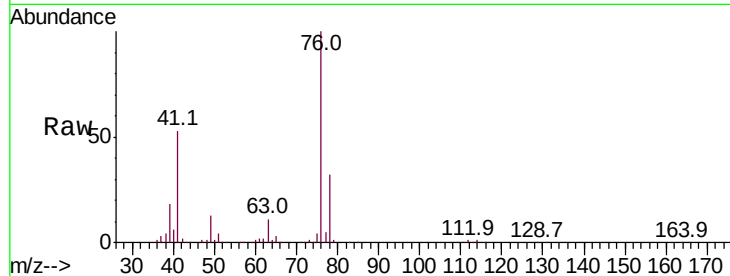
76 100

78 32.4 25.9 38.9

Manual Integrations
APPROVED

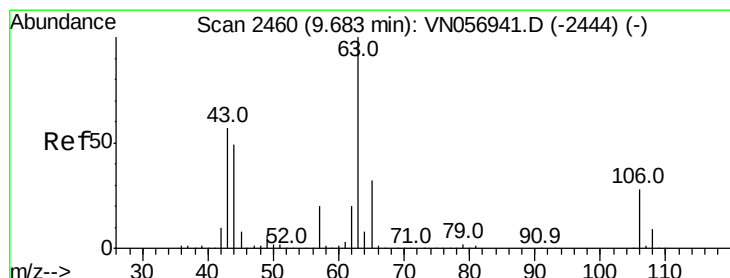
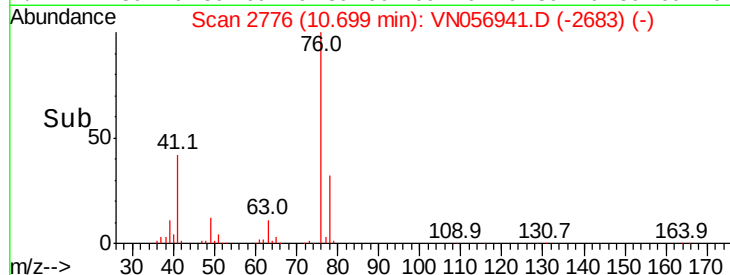
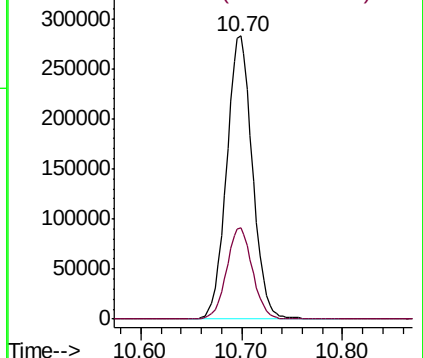
MMDadoda

8/2/2019 9:13:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 289.881 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN056941.D

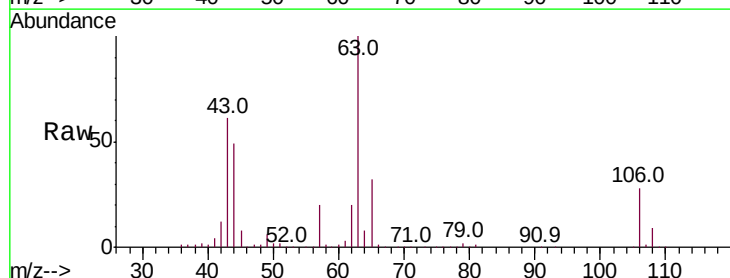
Acq: 26 Jul 2019 10:34

Tgt Ion: 63 Resp: 959448

Ion Ratio Lower Upper

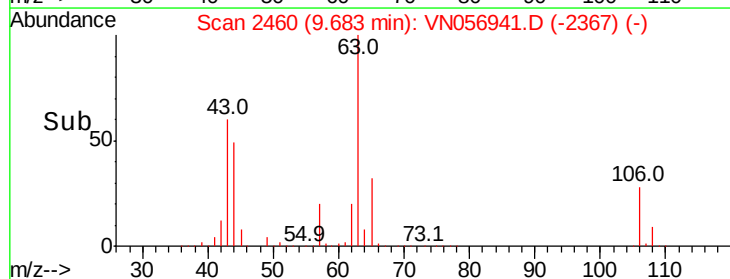
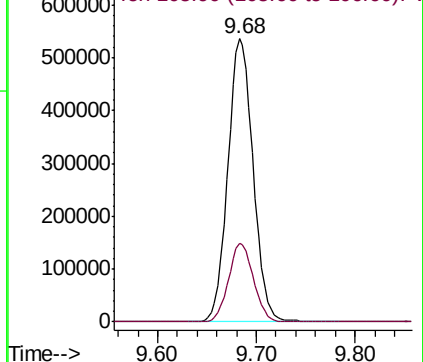
63 100

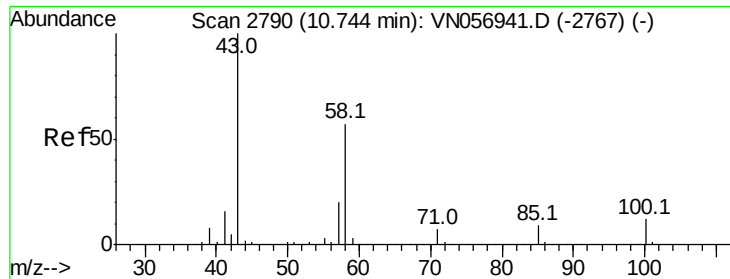
106 27.5 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





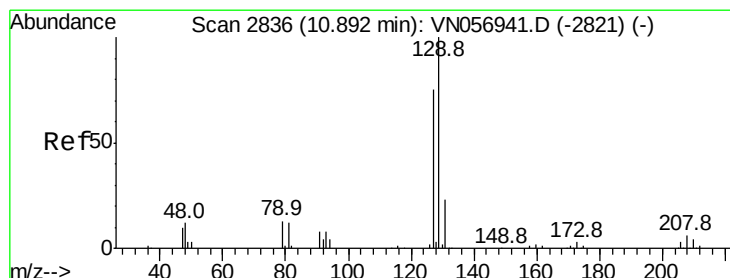
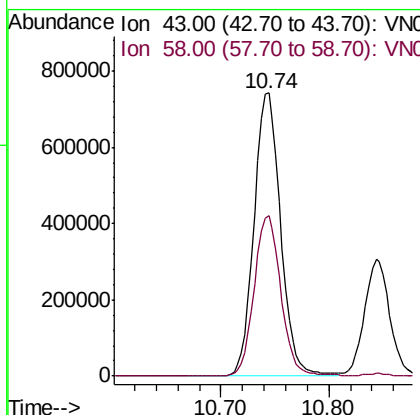
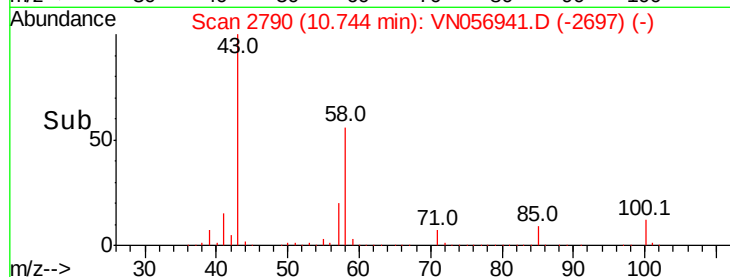
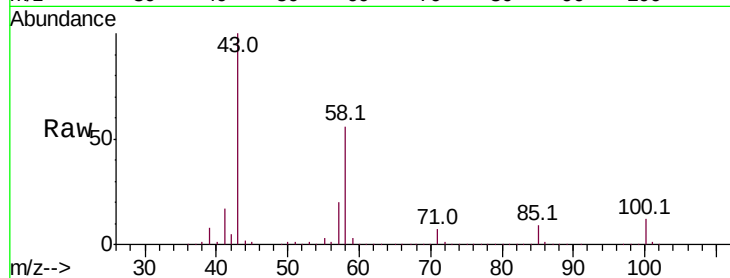
#59
2-Hexanone
Concen: 280.604 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 1271095
Ion Ratio Lower Upper
43 100
58 57.0 28.5 85.5

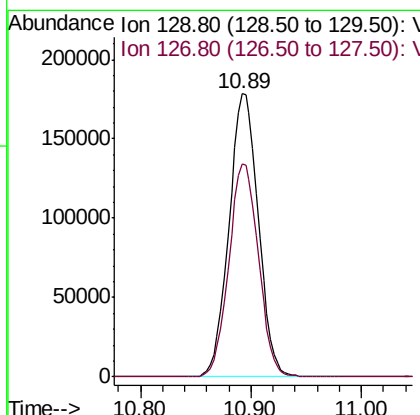
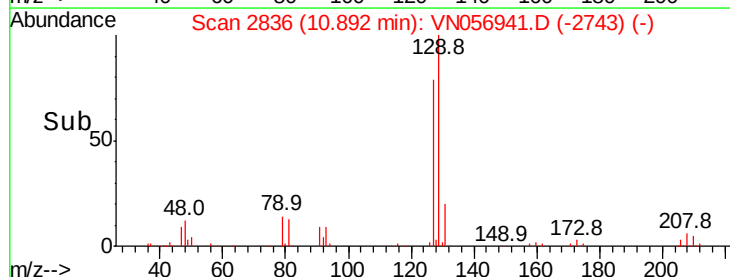
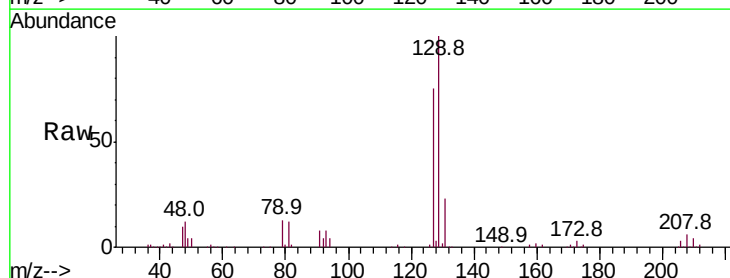
Manual Integrations
APPROVED

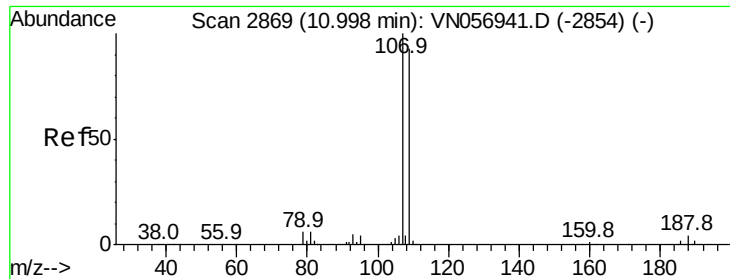
MMDadoda
8/2/2019 9:13:14 AM



#60
Dibromochloromethane
Concen: 52.164 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 129 Resp: 328777
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9





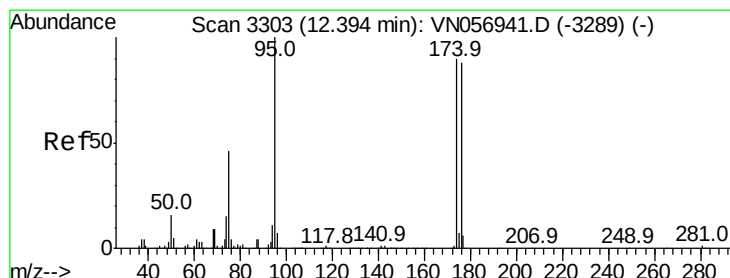
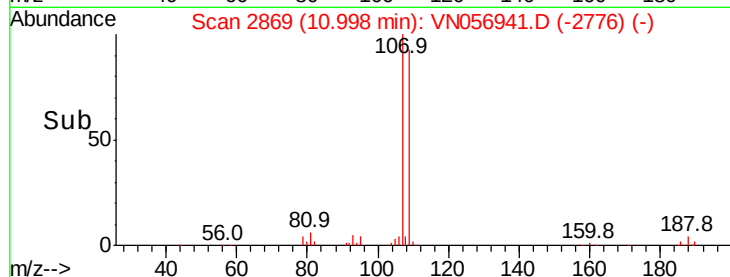
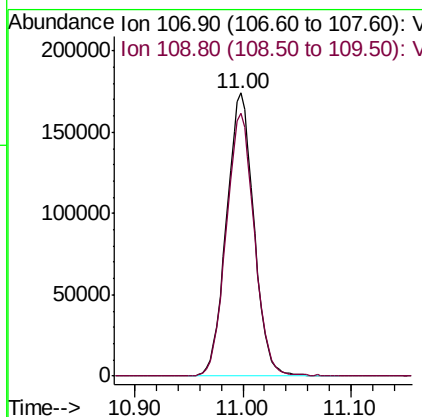
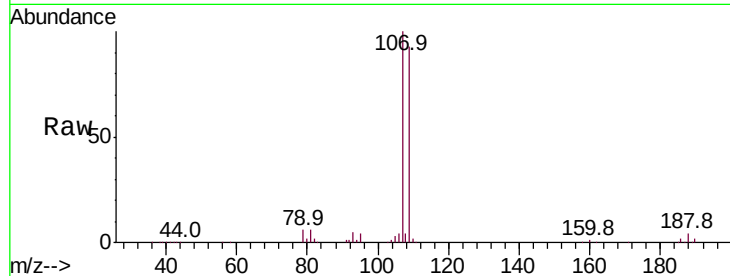
#61
 1,2-Dibromoethane
 Concen: 50.463 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

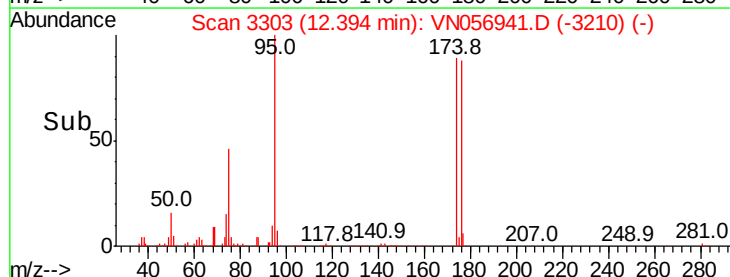
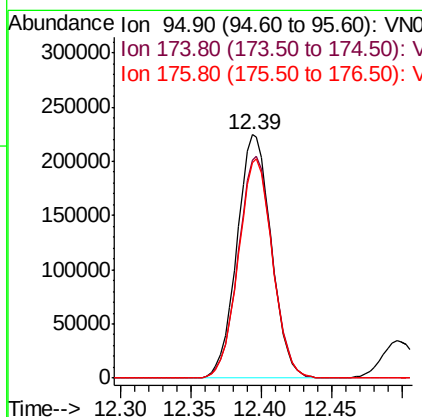
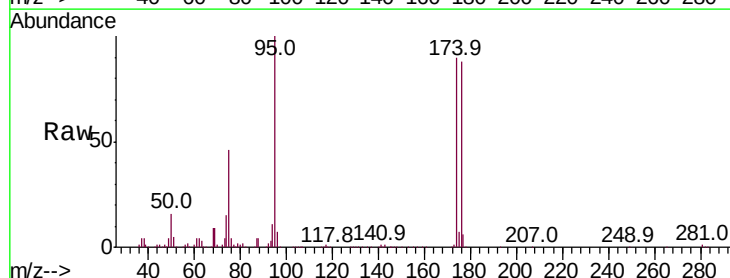
Manual Integrations
 APPROVED

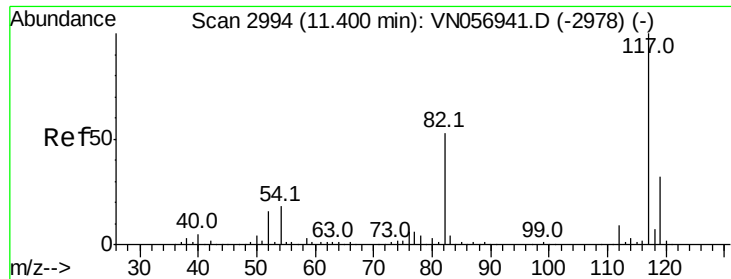
MMDadoda
 8/2/2019 9:13:14 AM



#62
 4-Bromofluorobenzene
 Concen: 53.169 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	182.2
176	89.7	0.0	179.4





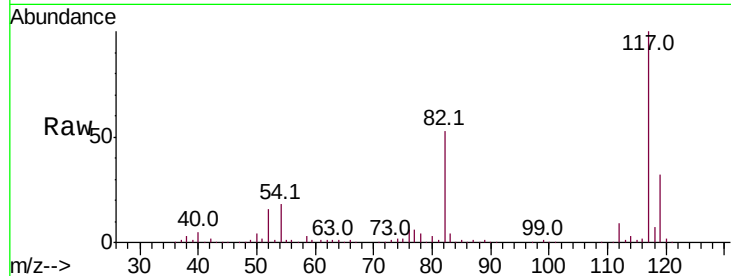
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	32.2	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM

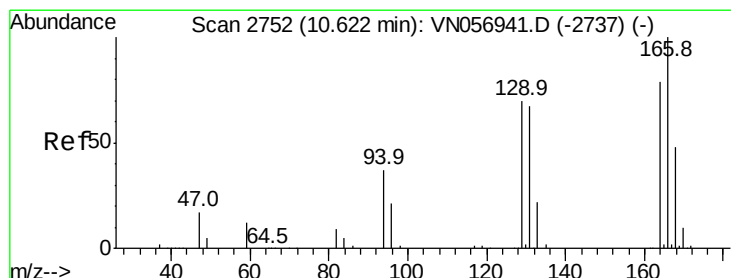
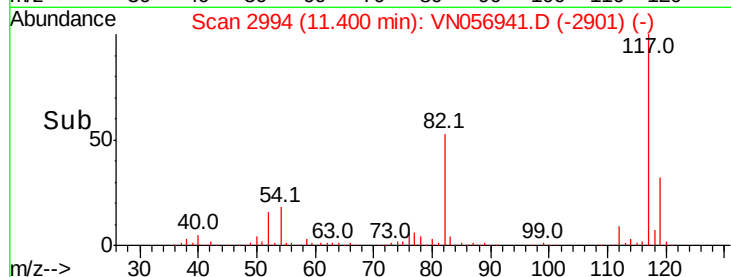
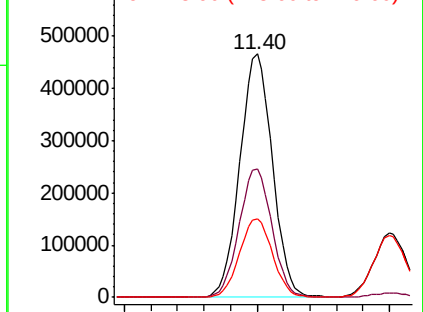


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 46.653 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.1	151.7
129	88.6	70.9	106.3
131	84.6	67.7	101.5

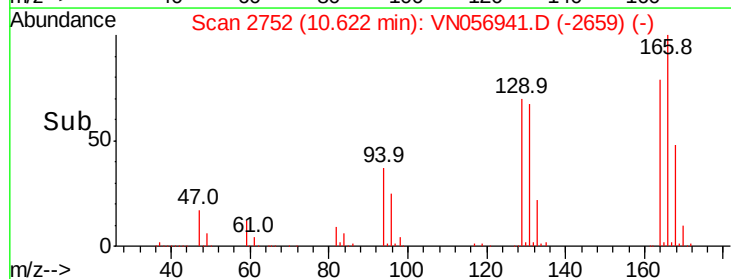
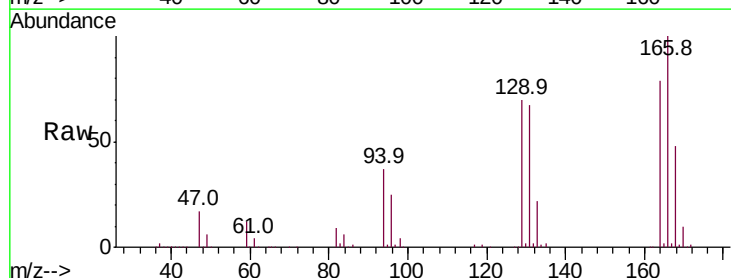
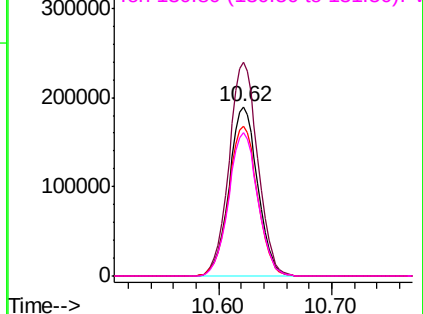
Abundance

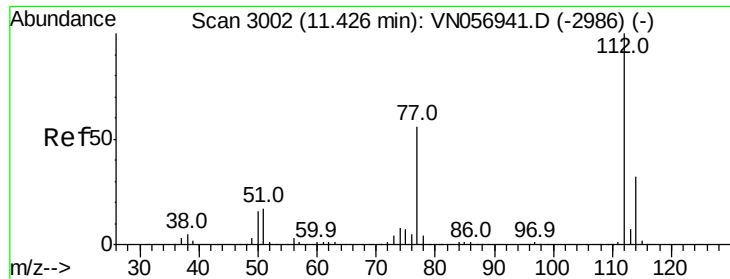
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





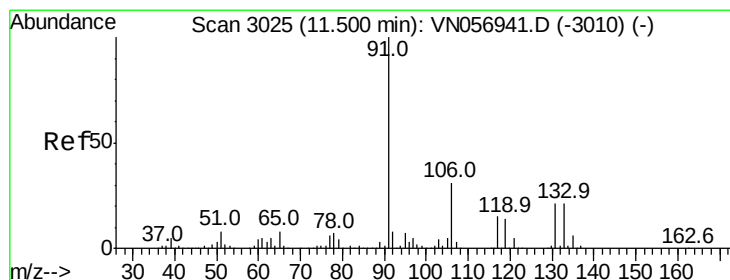
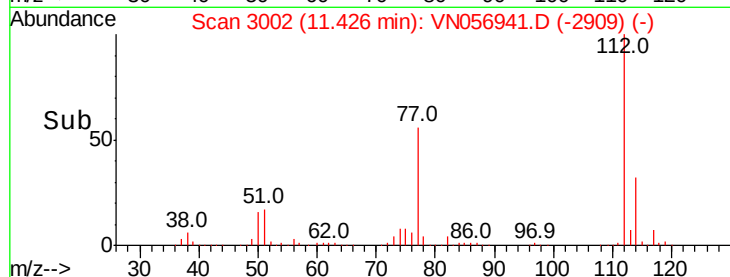
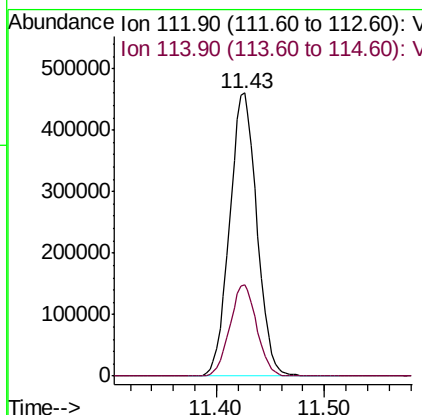
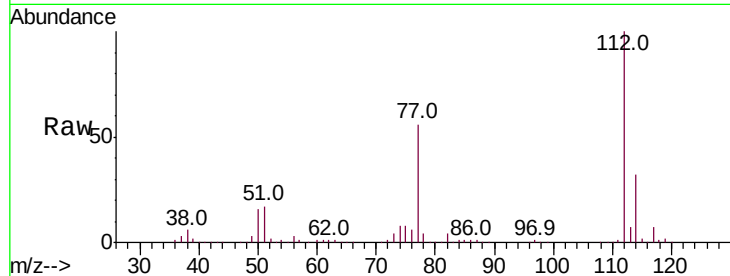
#65
Chlorobenzene
Concen: 49.333 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 811639
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

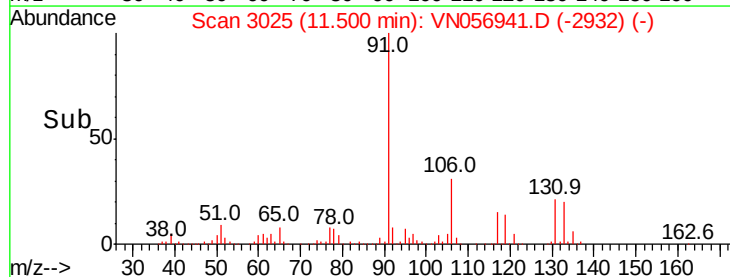
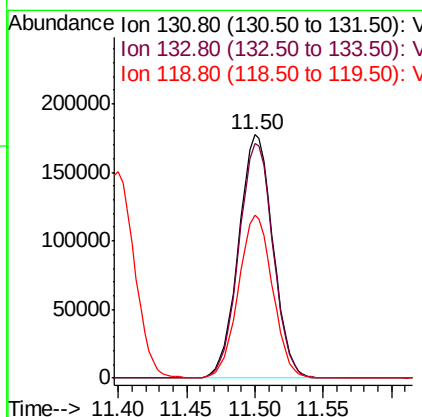
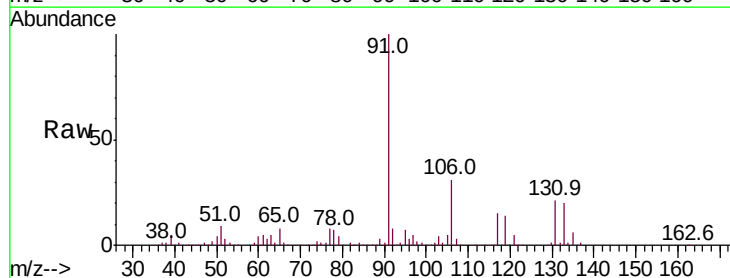
Manual Integrations
APPROVED

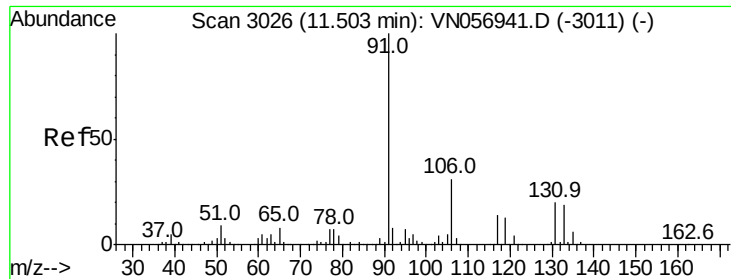
MMDadoda
8/2/2019 9:13:14 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.549 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion:131 Resp: 310489
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 66.4 33.2 99.6





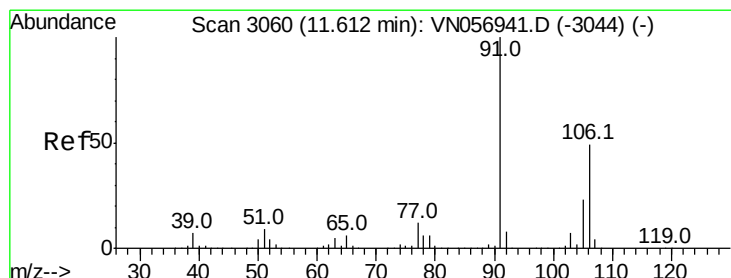
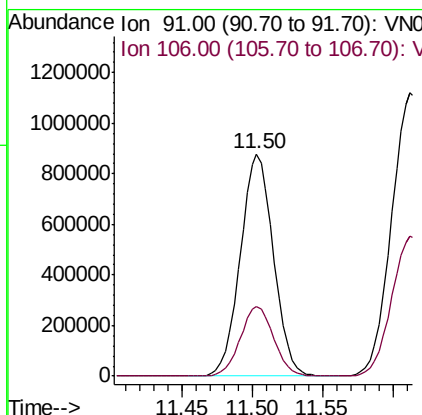
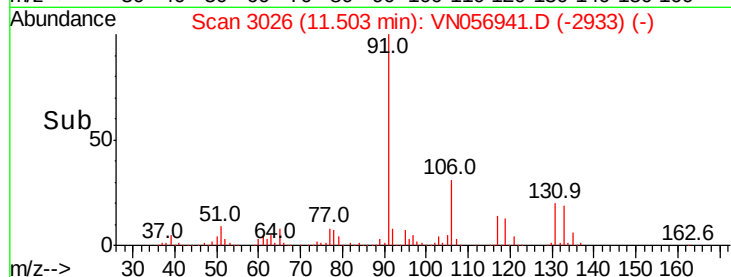
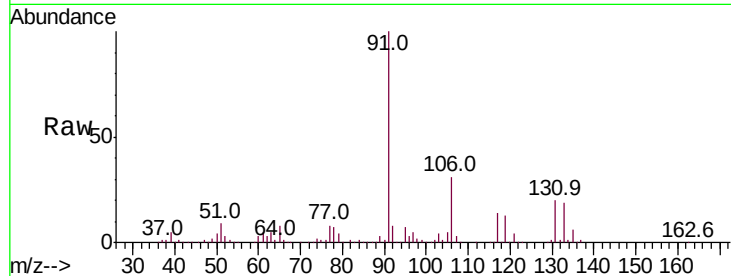
#67
Ethyl Benzene
Concen: 50.970 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1443302
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

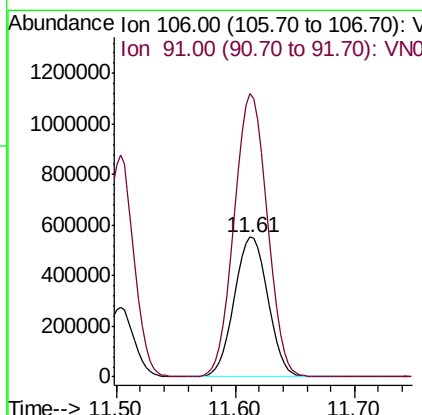
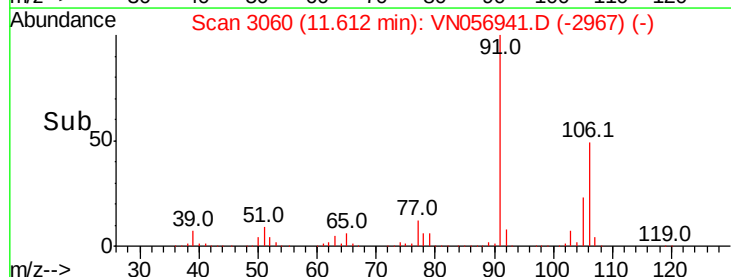
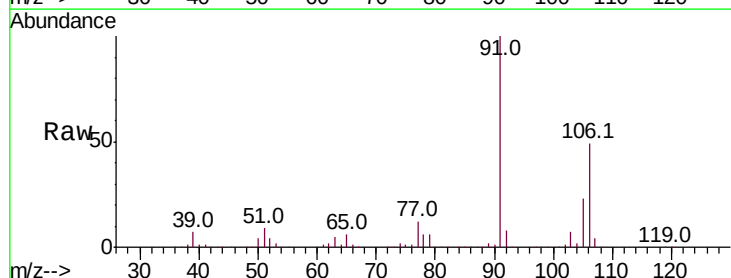
Manual Integrations
APPROVED

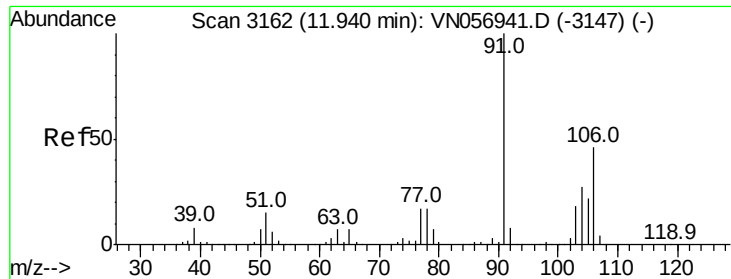
MMDadoda
8/2/2019 9:13:14 AM



#68
m/p-Xylenes
Concen: 102.668 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion: 106 Resp: 1082797
Ion Ratio Lower Upper
106 100
91 200.0 160.0 240.0





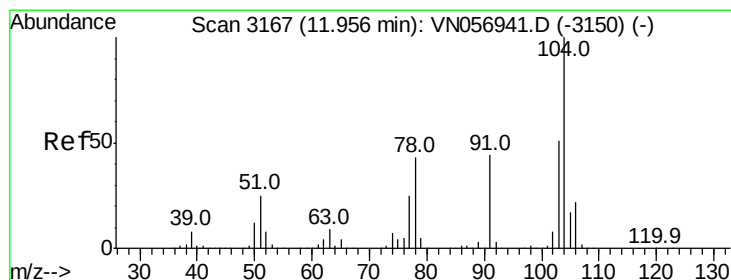
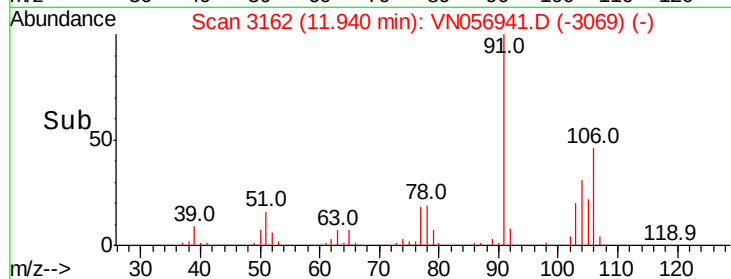
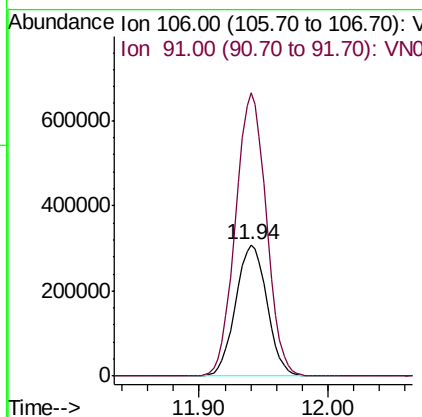
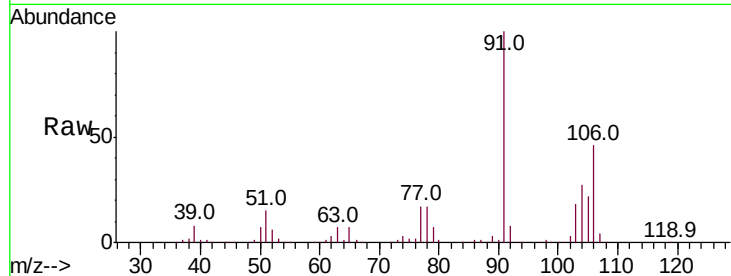
#69
o-Xylene
Concen: 50.442 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 520541
Ion Ratio Lower Upper
106 100
91 212.4 106.2 318.6

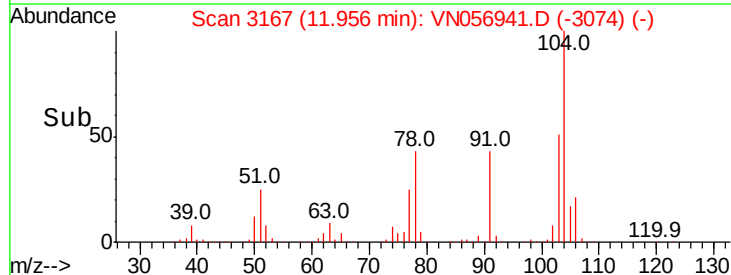
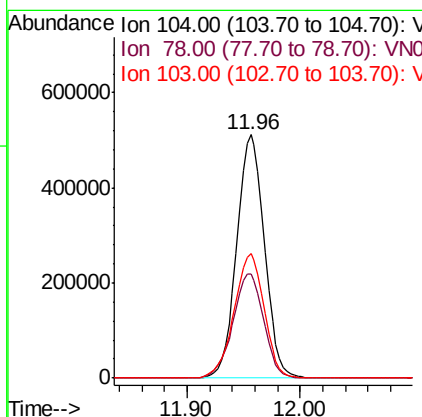
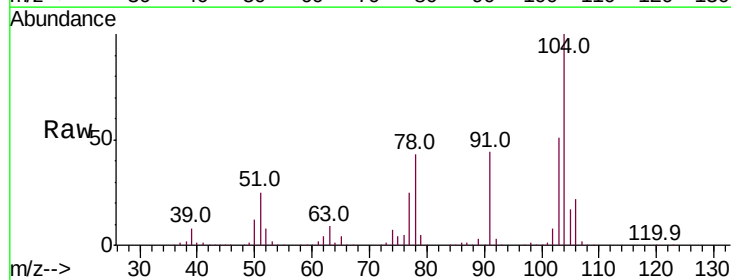
Manual Integrations
APPROVED

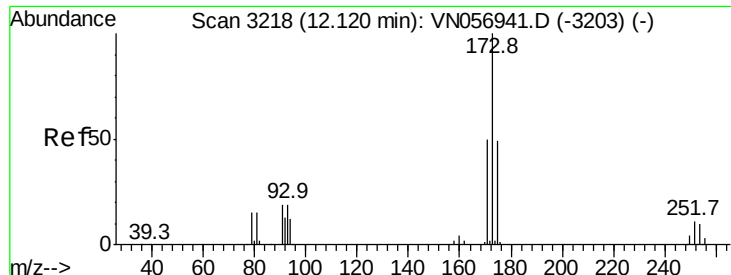
MMDadoda
8/2/2019 9:13:14 AM



#70
Styrene
Concen: 53.397 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion:104 Resp: 872929
Ion Ratio Lower Upper
104 100
78 47.6 38.1 57.1
103 55.4 44.3 66.5





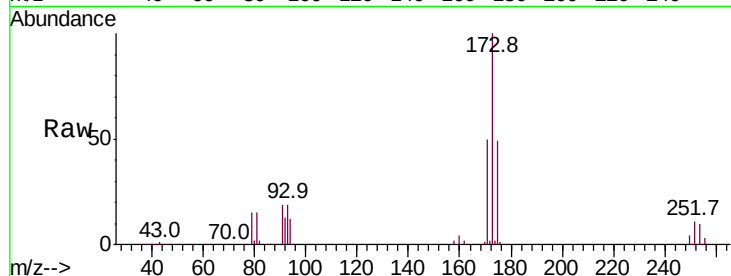
#71
Bromoform
Concen: 54.201 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

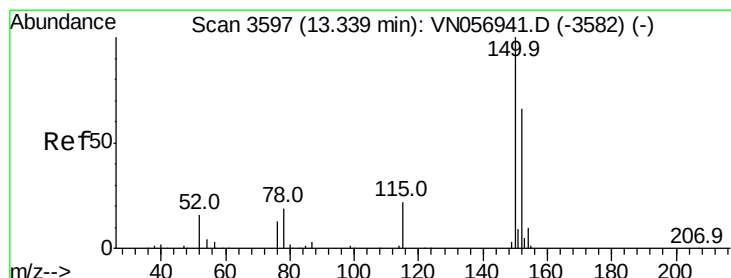
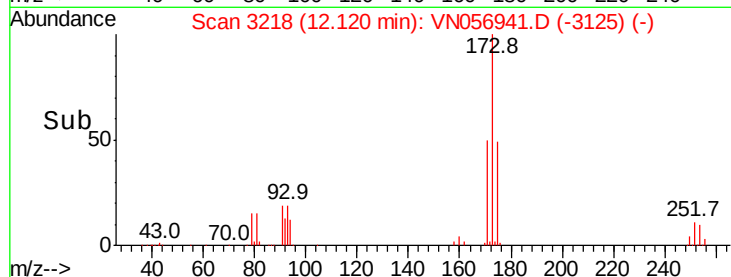
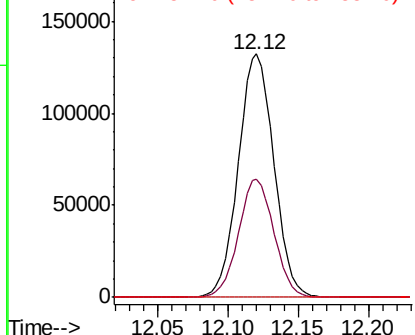
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM

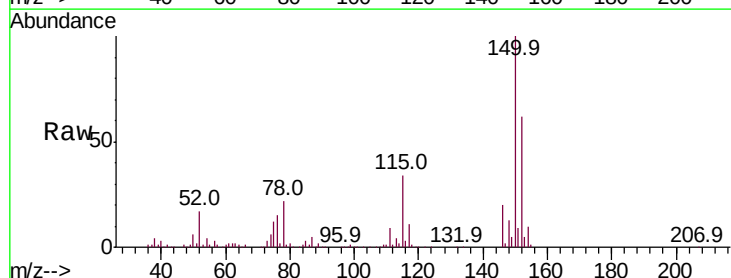


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

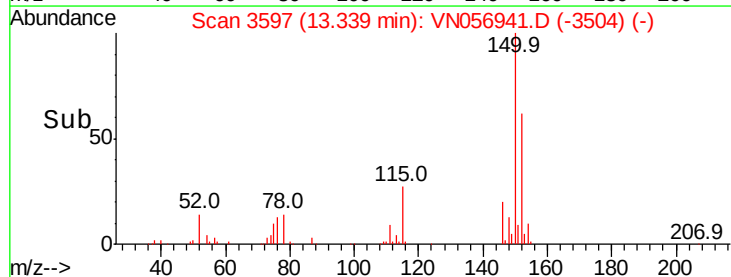
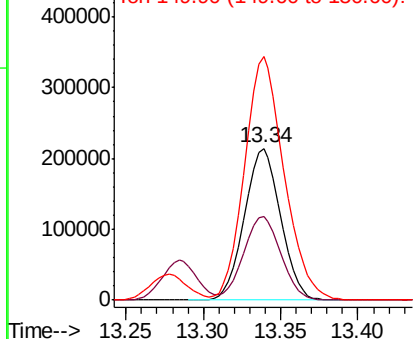


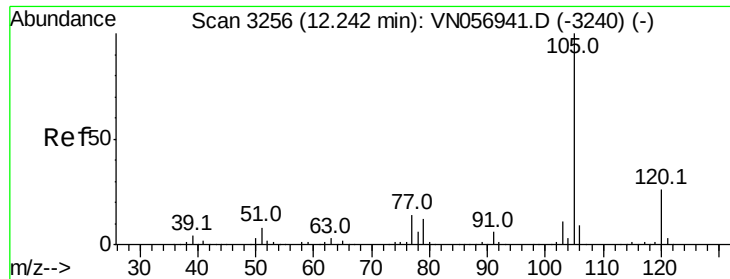
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.2	84.6
150	174.7	0.0	349.4



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





#73

Isopropylbenzene

Concen: 44.667 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1400946

Ion Ratio Lower Upper

105 100

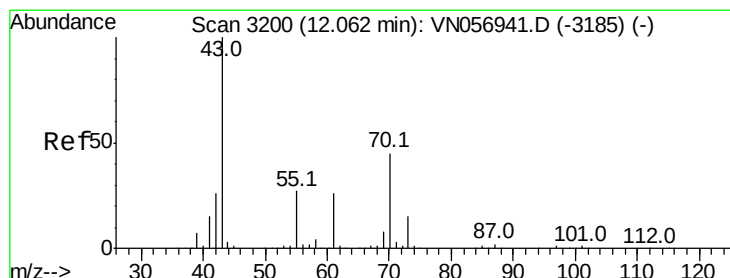
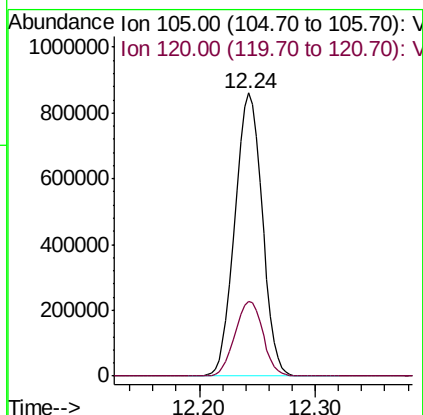
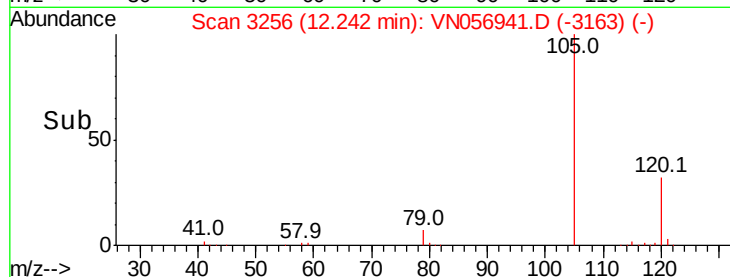
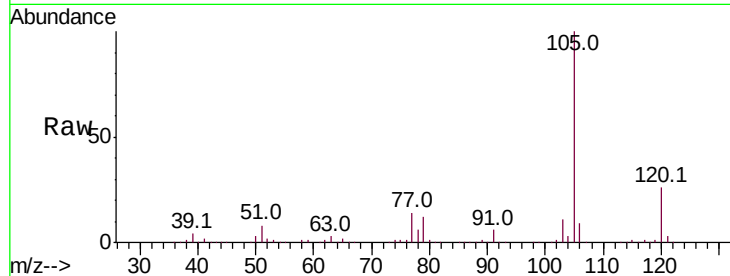
120 27.0 13.5 40.5

Manual Integrations

APPROVED

MMDadoda

8/2/2019 9:13:14 AM



#74

N-ethyl acetate

Concen: 48.812 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt Ion: 43 Resp: 452108

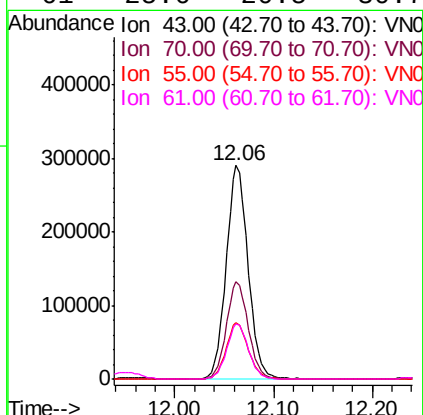
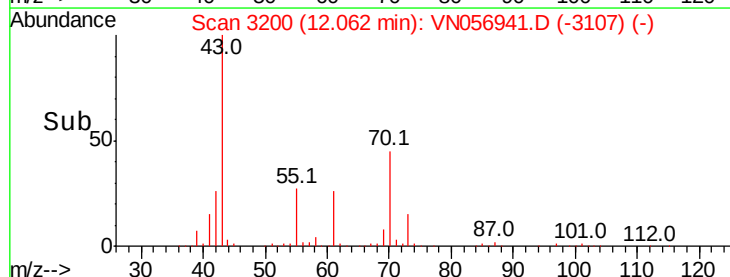
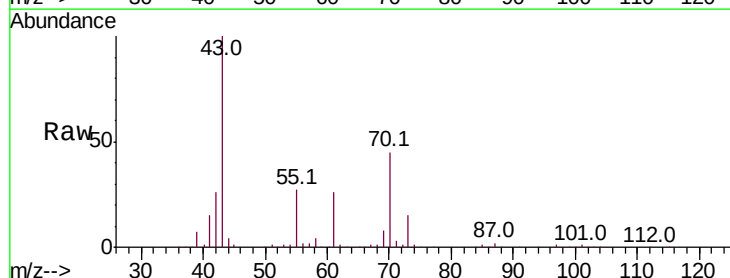
Ion Ratio Lower Upper

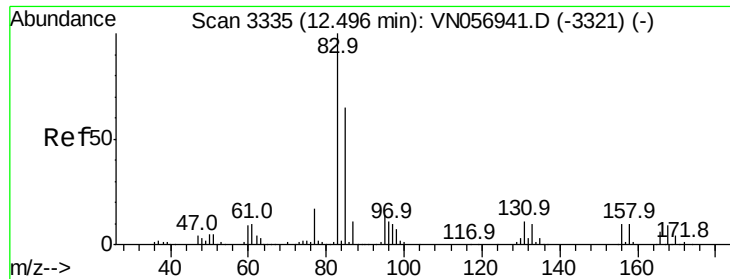
43 100

70 45.6 36.5 54.7

55 26.7 21.4 32.0

61 25.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 44.797 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

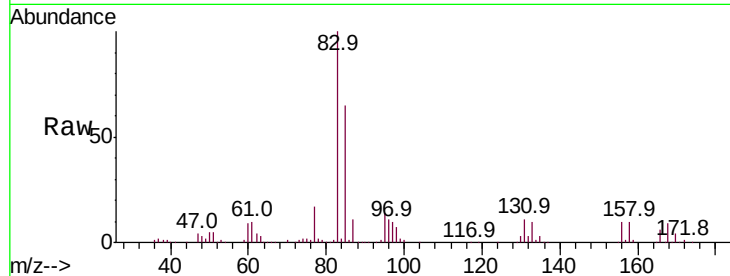
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	409443
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.3	16.1
85	64.9	32.5	97.4

Manual Integrations
APPROVED

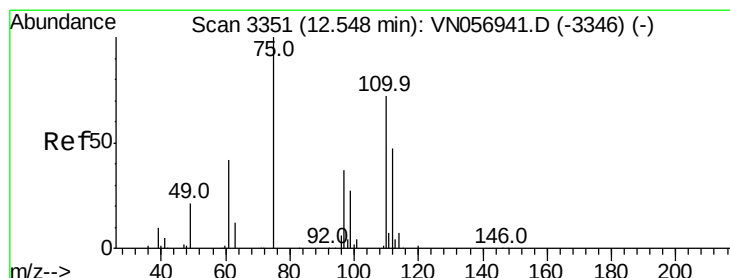
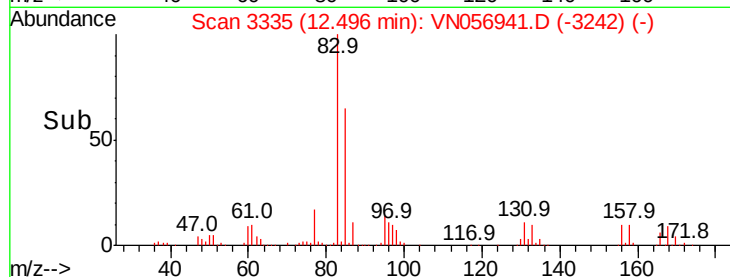
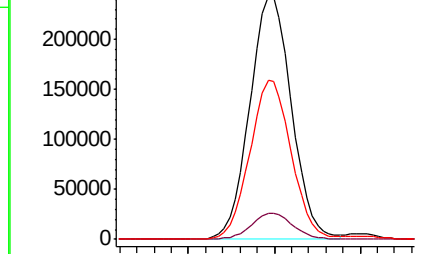
MMDadoda
8/2/2019 9:13:14 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056941.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 49.494 ug/l m

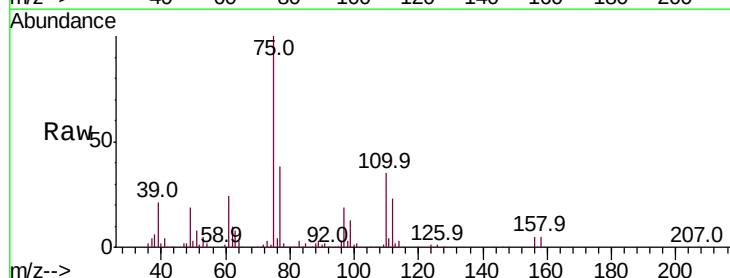
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN056941.D

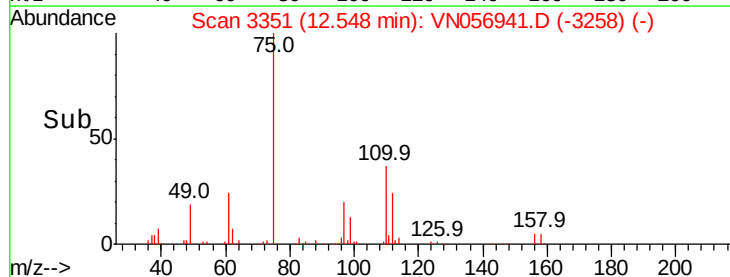
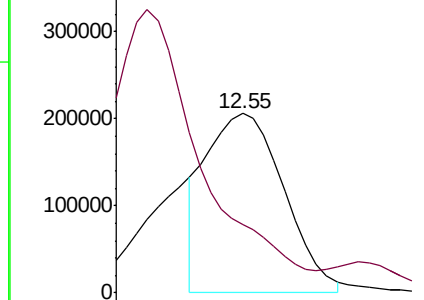
Acq: 26 Jul 2019 10:34

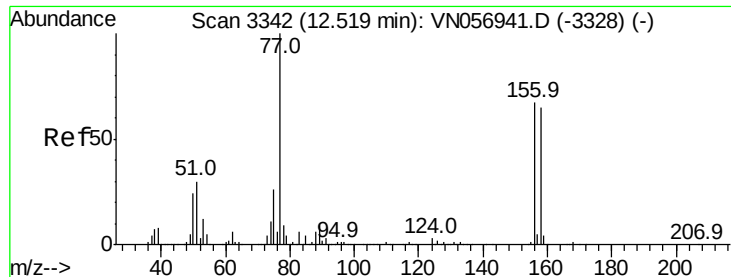
Tgt Ion:	75	Resp:	339141
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN056941.D (-3346) (-)





#77

Bromobenzene

Concen: 45.625 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

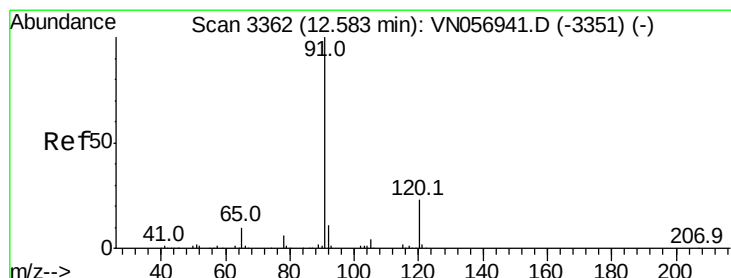
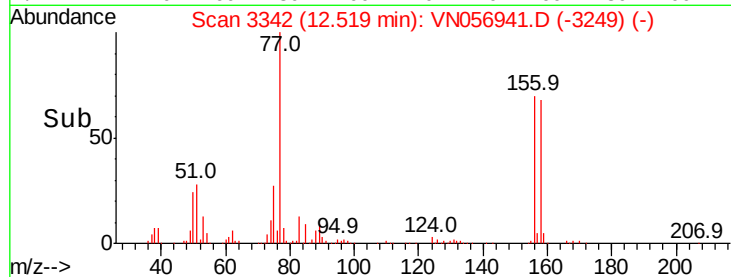
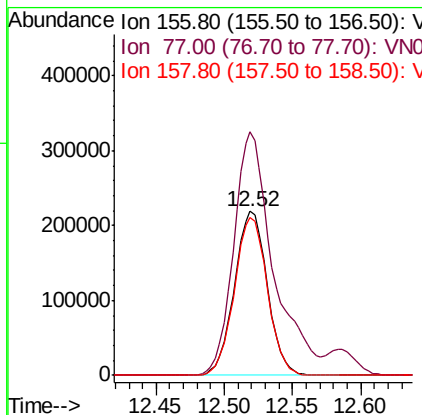
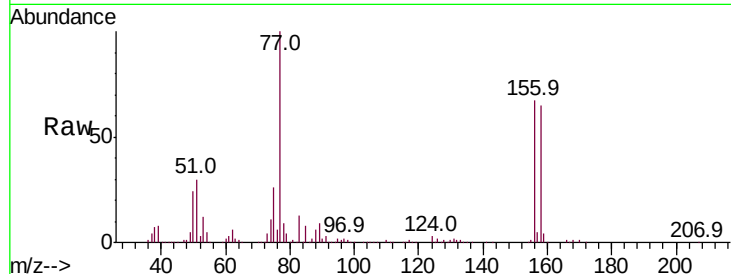
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	366474
Ion	Ratio	Lower	Upper
156	100		
77	179.0	89.5	268.5
158	96.9	48.4	145.3

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



#78

n-propylbenzene

Concen: 47.086 ug/l

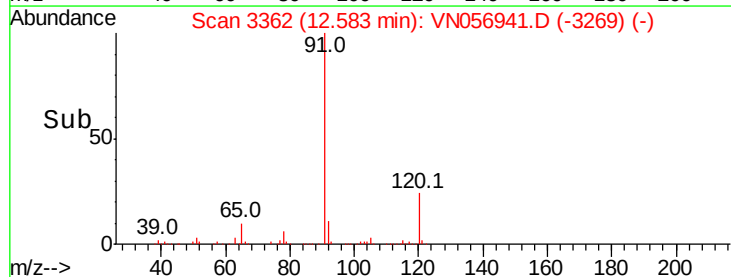
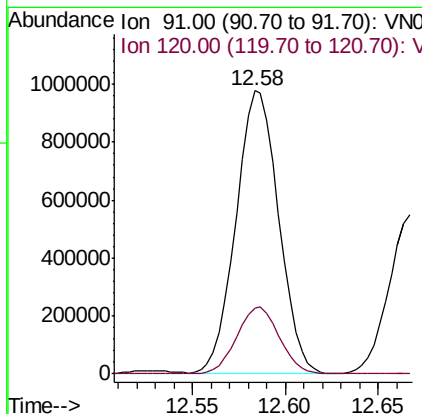
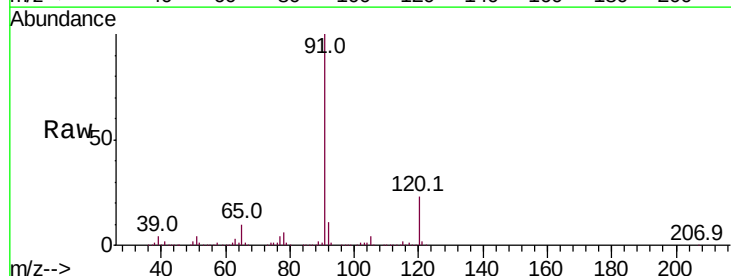
RT: 12.58 min Scan# 3362

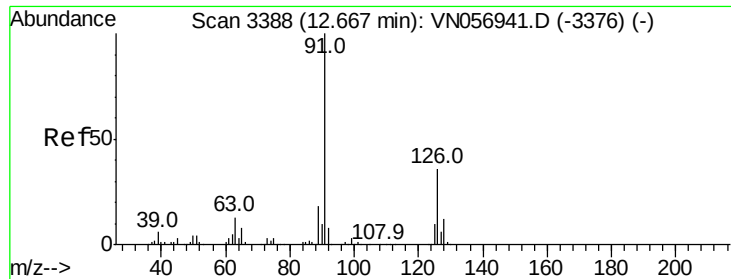
Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt Ion:	91	Resp:	1560453
Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.4





#79

2-Chlorotoluene

Concen: 44.618 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 920579

Ion Ratio Lower Upper

91 100

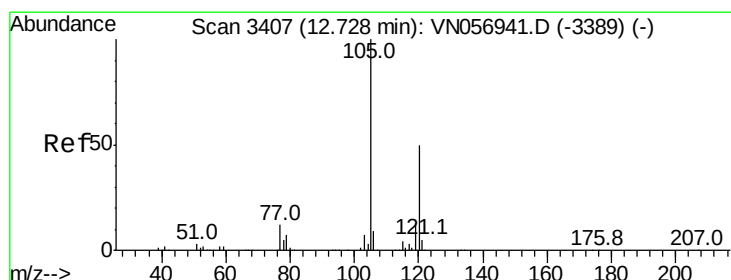
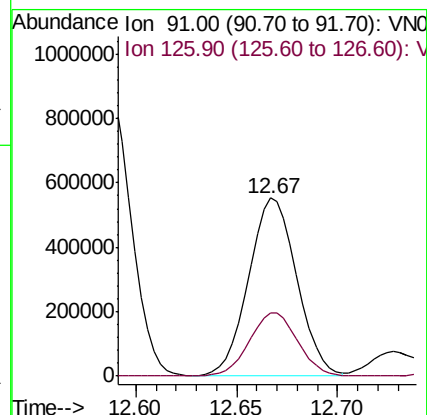
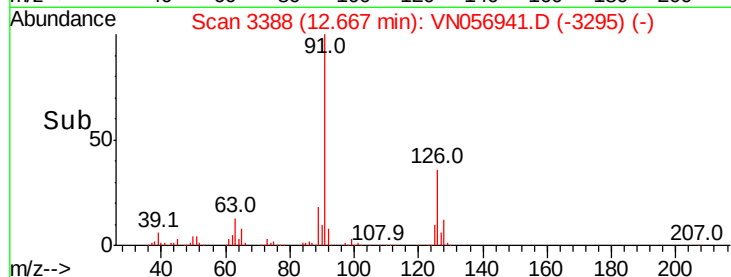
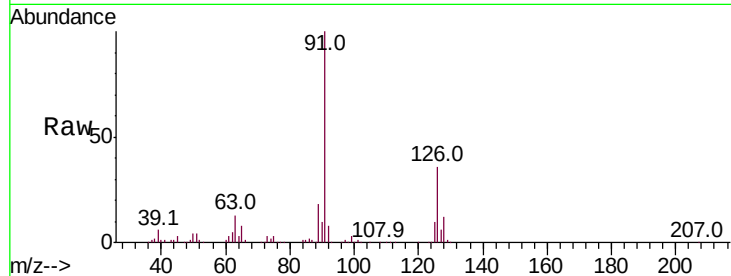
126 35.8 17.9 53.7

Manual Integrations

APPROVED

MMDadoda

8/2/2019 9:13:14 AM



#80

1,3,5-Trimethylbenzene

Concen: 45.337 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056941.D

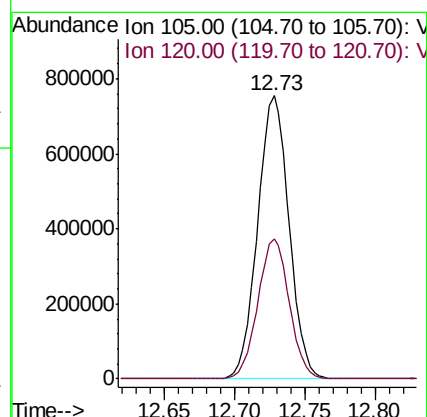
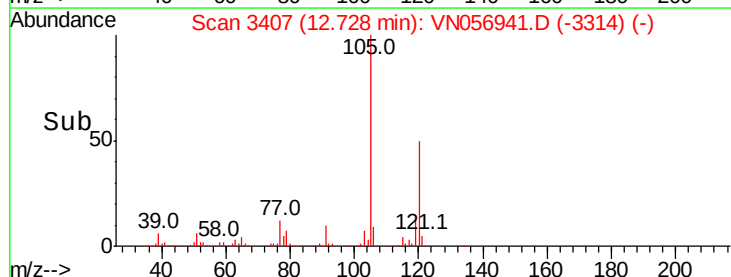
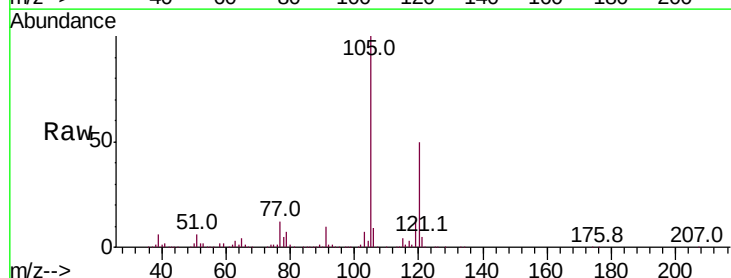
Acq: 26 Jul 2019 10:34

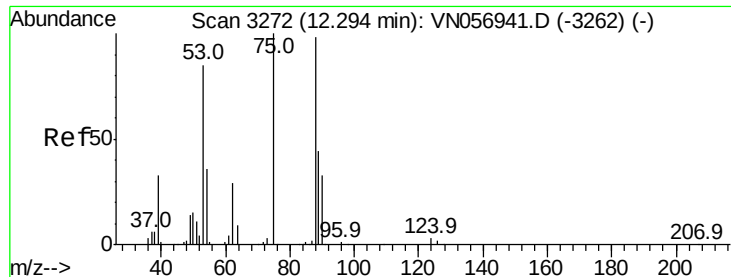
Tgt Ion: 105 Resp: 1174326

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 53.615 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 75 Resp: 119137

Ion Ratio Lower Upper

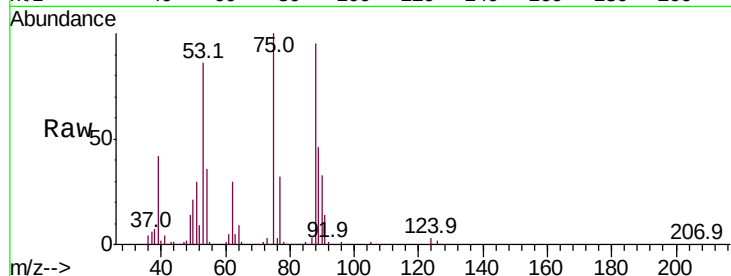
75 100

53 86.6 69.3 103.9

89 44.7 35.8 53.6

Manual Integrations
APPROVED

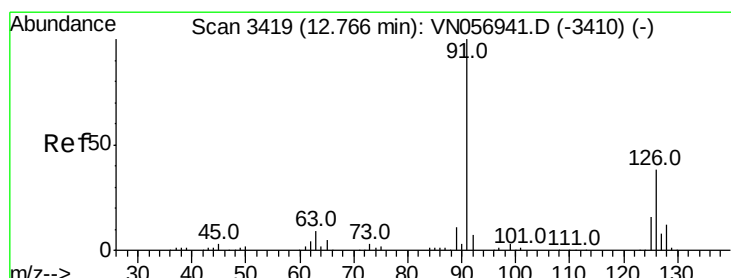
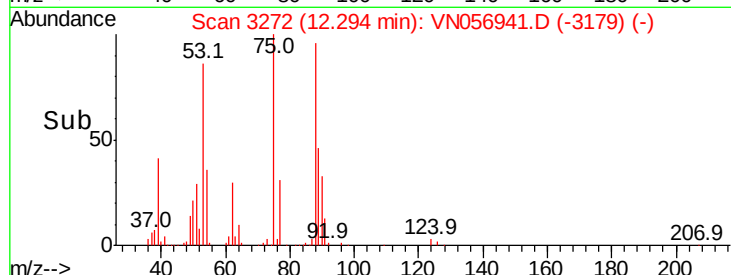
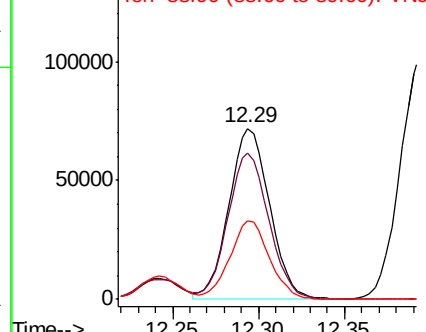
MMDadoda
8/2/2019 9:13:14 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.948 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN056941.D

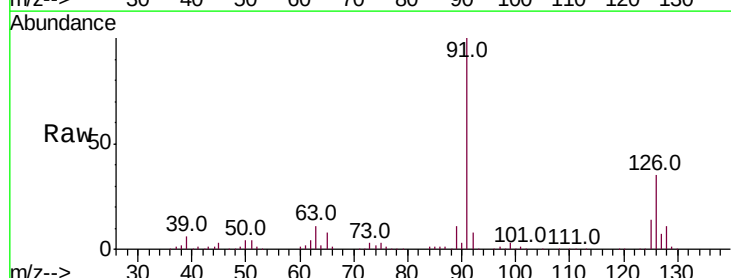
Acq: 26 Jul 2019 10:34

Tgt Ion: 91 Resp: 907845

Ion Ratio Lower Upper

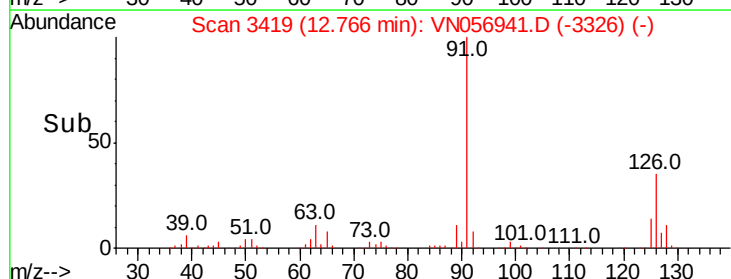
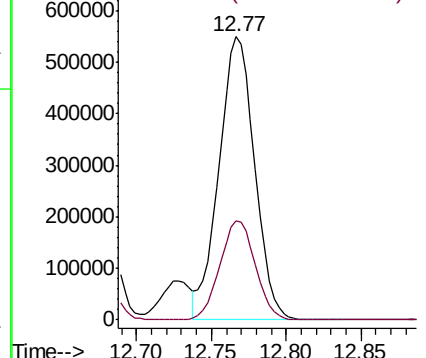
91 100

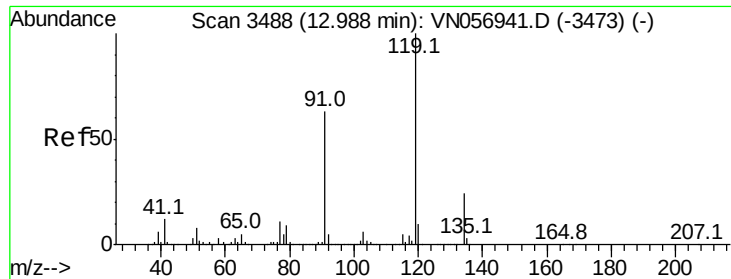
126 35.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 44.241 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

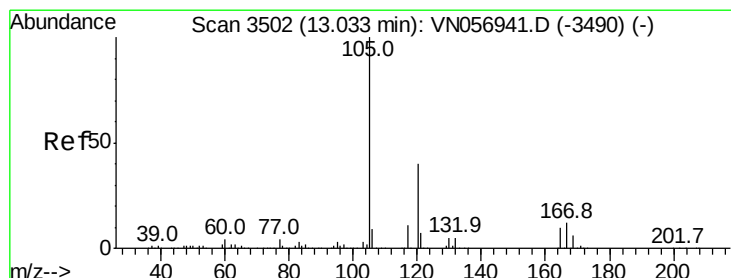
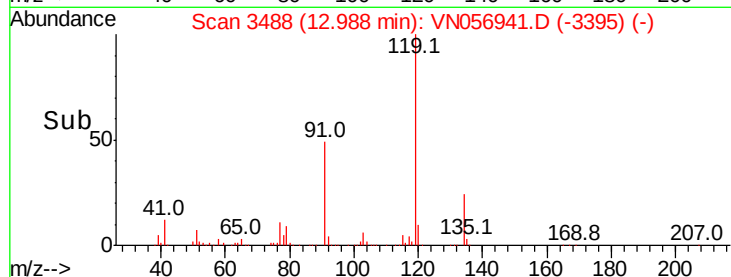
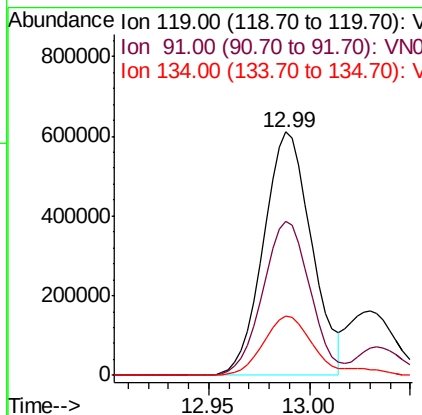
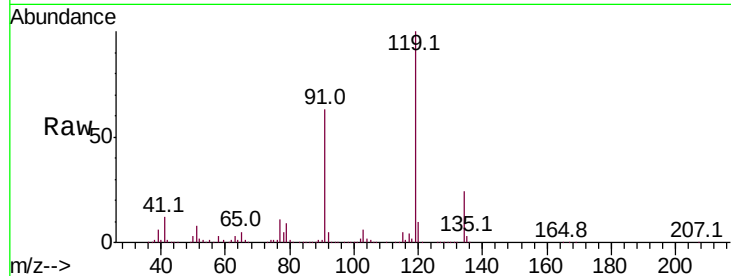
ClientSampled :

VSTDICCC050

Tot Ion	119	Resp: Lower	1011066 Upper
119	100		
91	62.5	31.3	93.8
134	26.5	13.3	39.8

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



#84

1,2,4-Trimethylbenzene

Concen: 46.954 ug/l

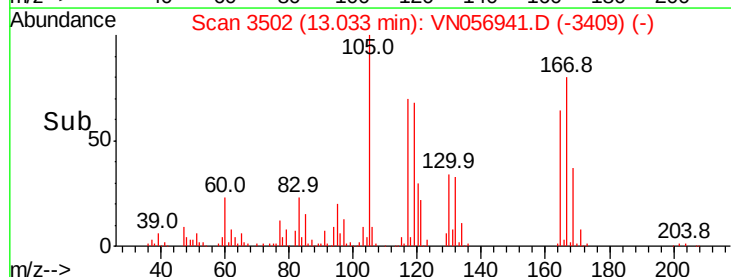
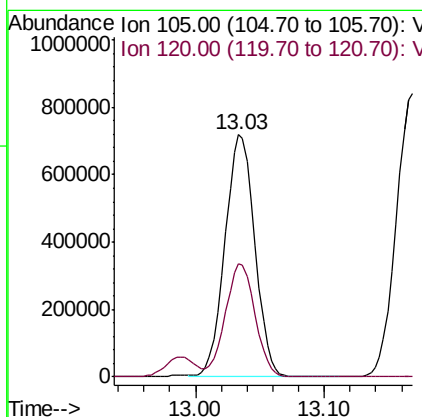
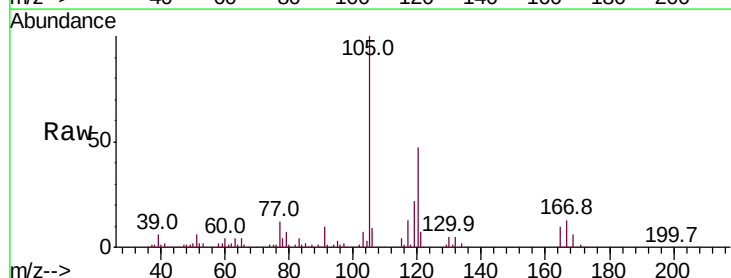
RT: 13.03 min Scan# 3502

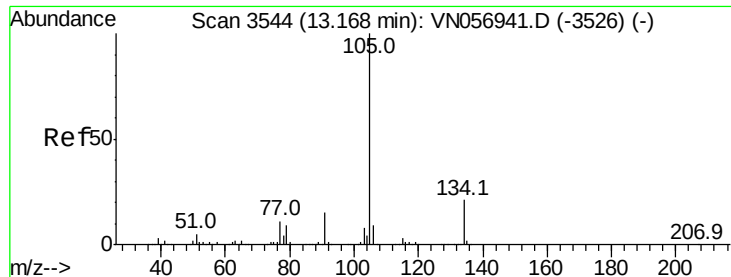
Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt	Ion:105	Resp:	1150284
Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6





#85

sec-Butylbenzene

Concen: 46.556 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1343531

Ion Ratio Lower Upper

105 100

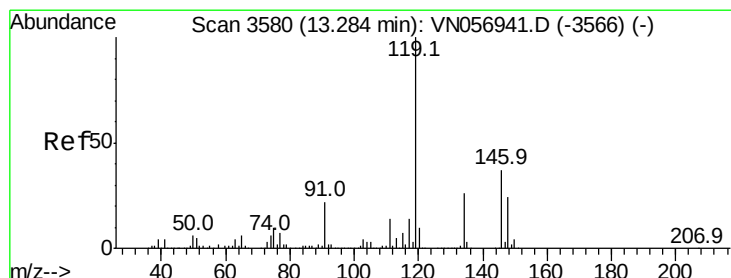
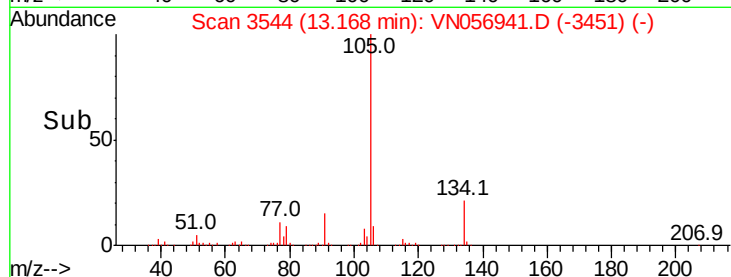
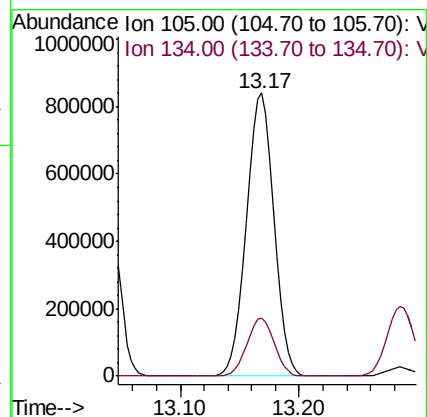
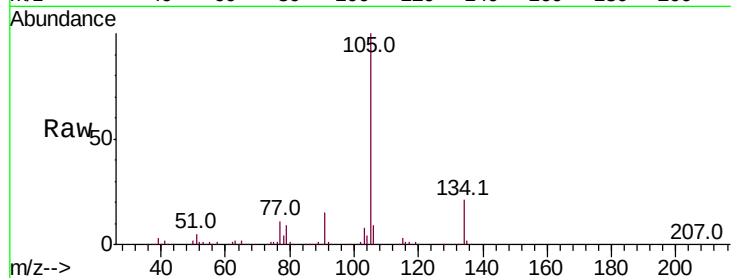
134 20.5 10.3 30.8

Manual Integrations

APPROVED

MMDadoda

8/2/2019 9:13:14 AM



#86

p-Isopropyltoluene

Concen: 48.177 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

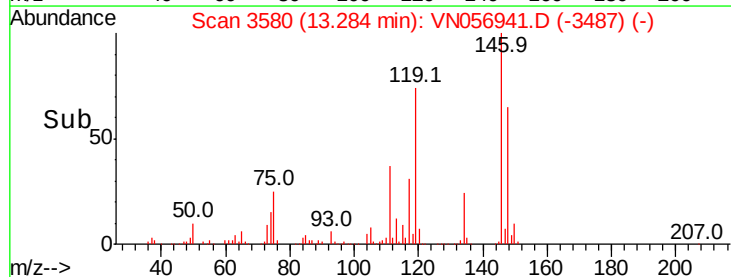
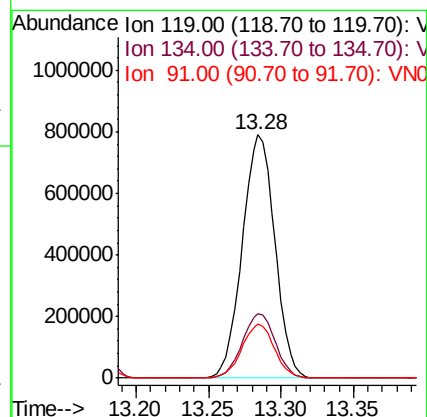
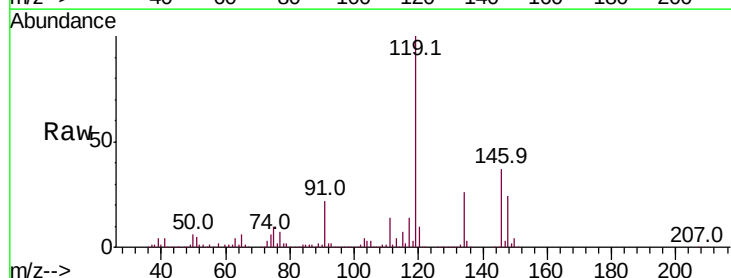
Tgt Ion:119 Resp: 1230140

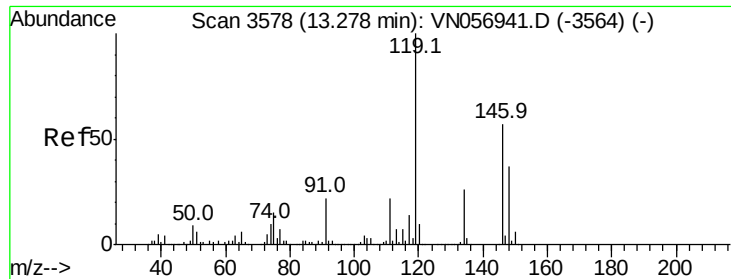
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.0 11.0 33.0





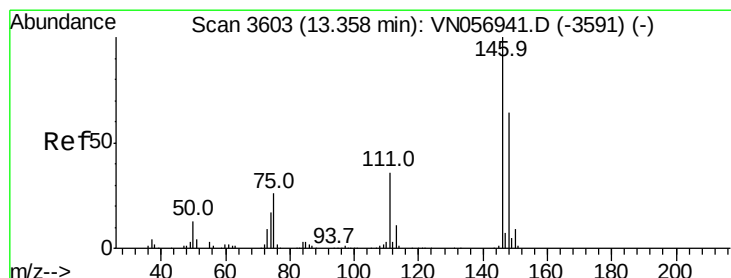
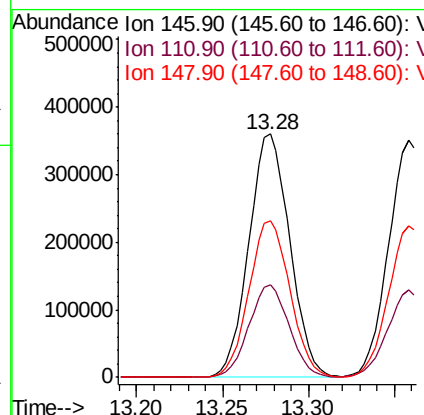
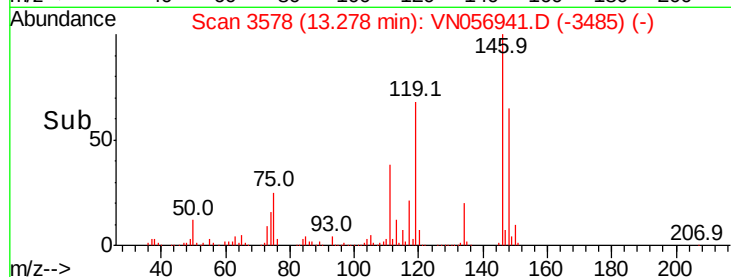
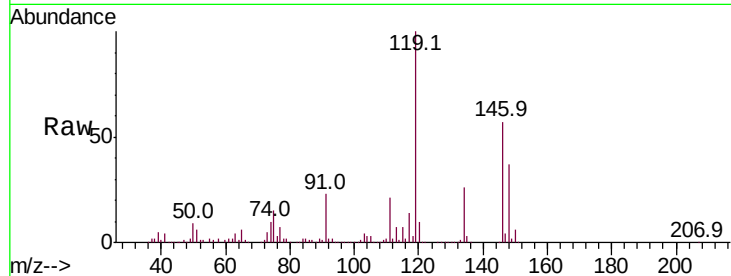
#87
 1,3-Dichlorobenzene
 Concen: 49.520 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.4	32.2	96.6

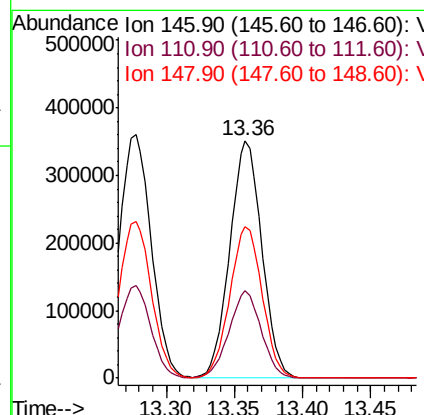
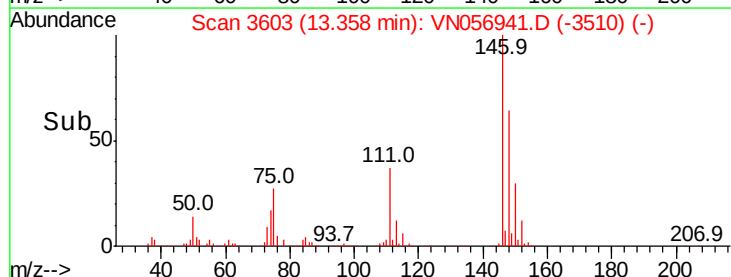
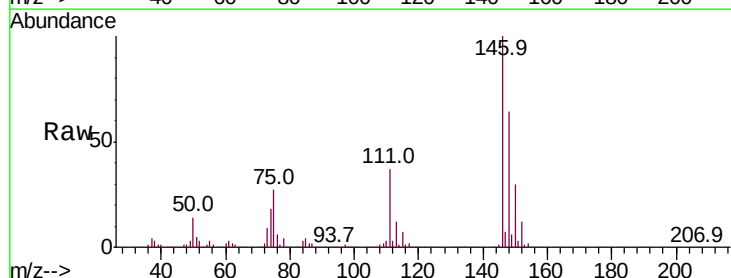
Manual Integrations
 APPROVED

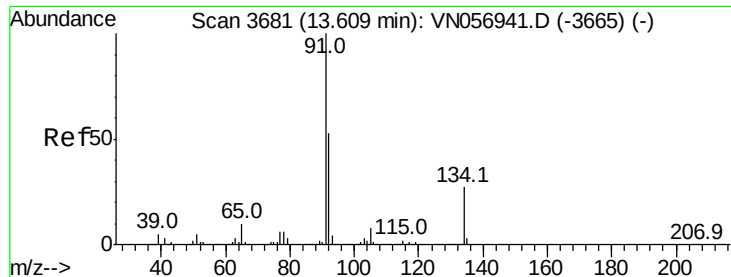
MMDadoda
 8/2/2019 9:13:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.758 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	64.6	32.3	96.9





#89

n-Butylbenzene

Concen: 50.265 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

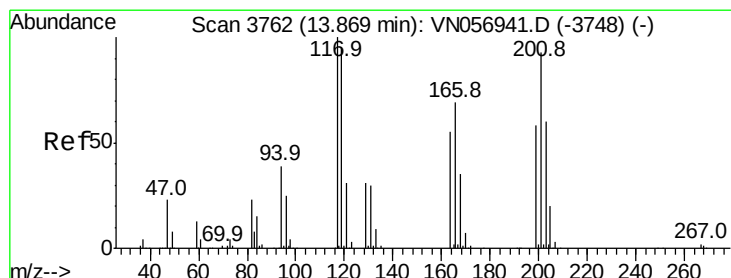
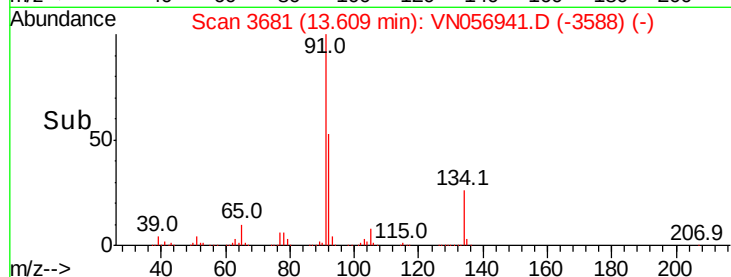
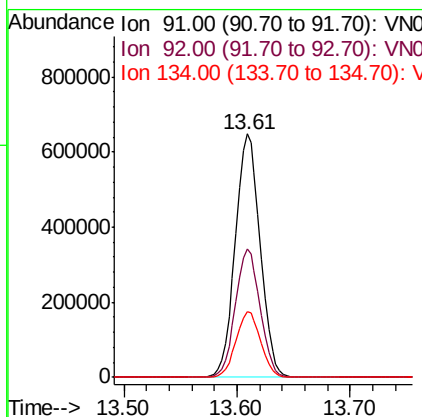
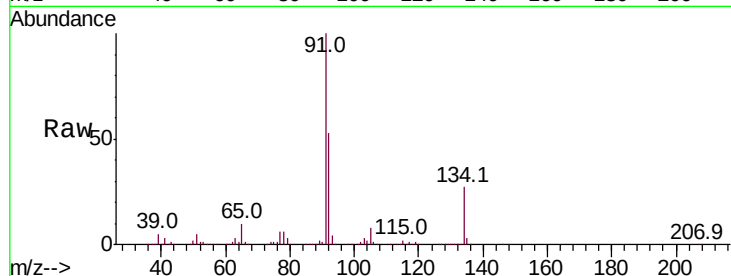
ClientSampleId :

VSTDICCC050

Tot Ion:	91	Resp:	991962
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.2	78.5
134	26.9	13.5	40.4

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



#90

Hexachloroethane

Concen: 44.918 ug/l

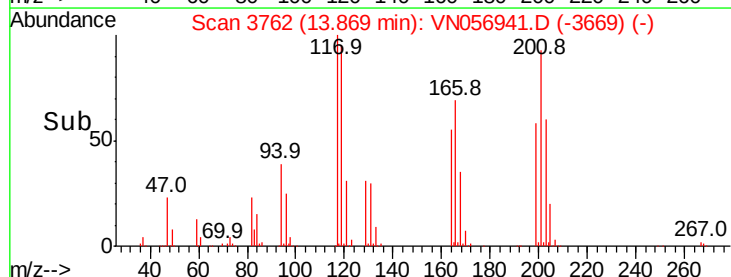
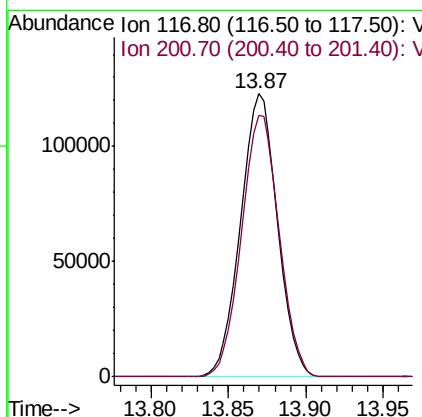
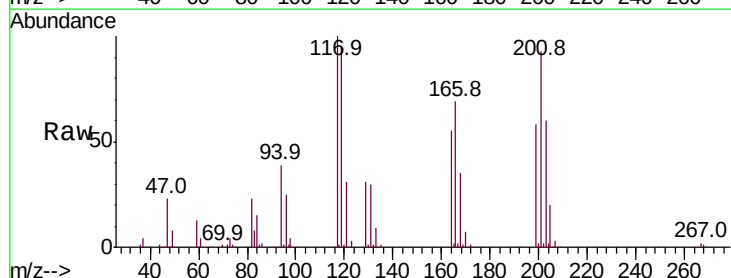
RT: 13.87 min Scan# 3762

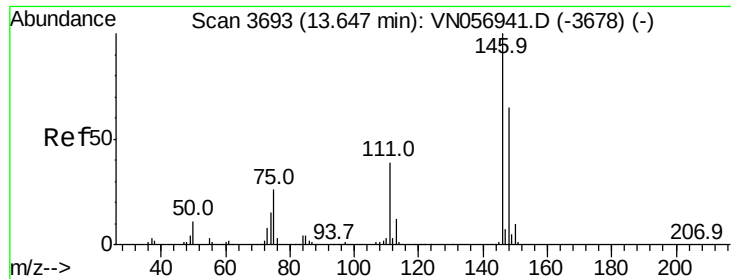
Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Tgt Ion:	117	Resp:	204298
Ion	Ratio	Lower	Upper
117	100		
201	94.1	47.0	141.2





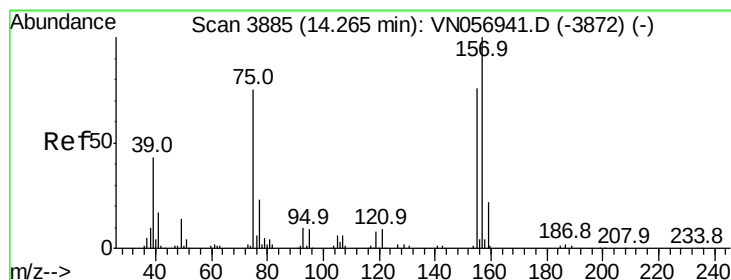
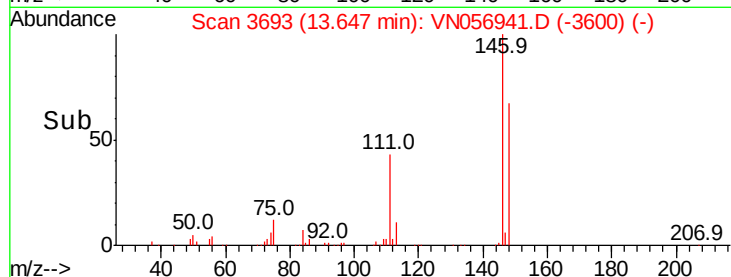
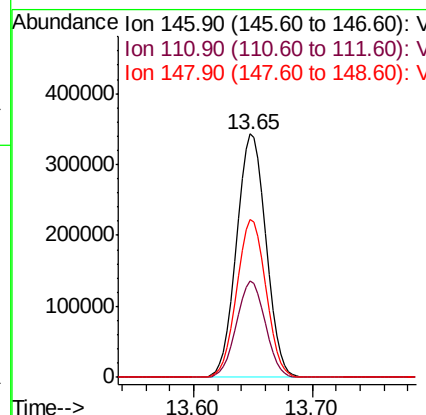
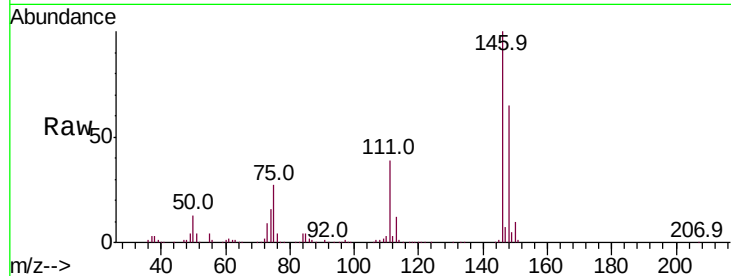
#91
 1,2-Dichlorobenzene
 Concen: 48.313 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	64.4	32.2	96.6

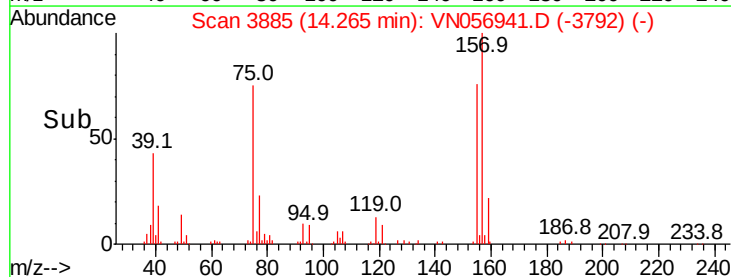
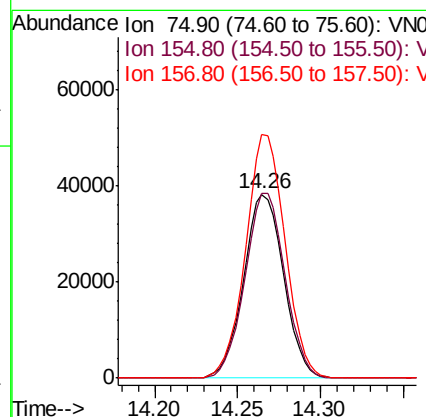
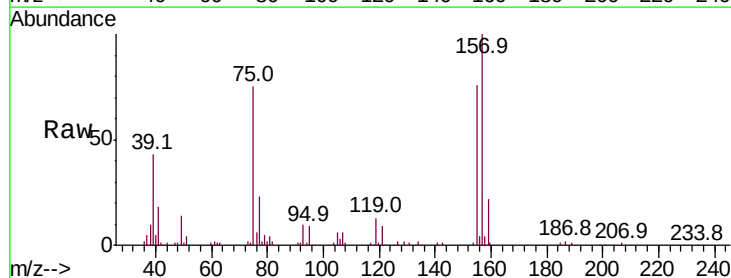
Manual Integrations
 APPROVED

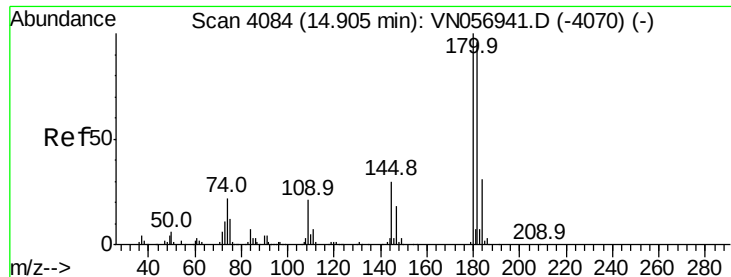
MMDadoda
 8/2/2019 9:13:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.468 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN056941.D
 Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	50.2	150.6
157	130.3	65.1	195.4





#93

1,2,4-Trichlorobenzene

Concen: 58.428 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN056941.D

Acq: 26 Jul 2019 10:34

Instrument :

MSVOA_N

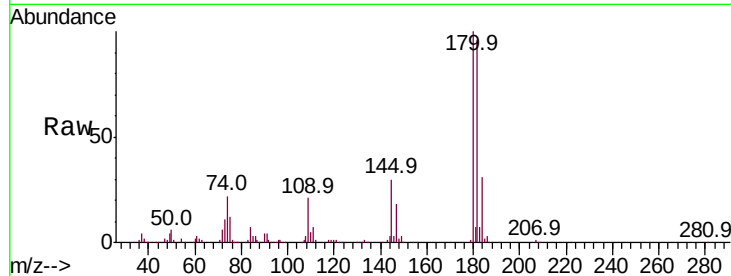
ClientSampled :

VSTDICCC050

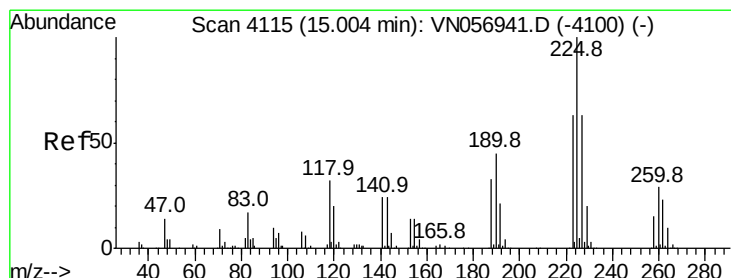
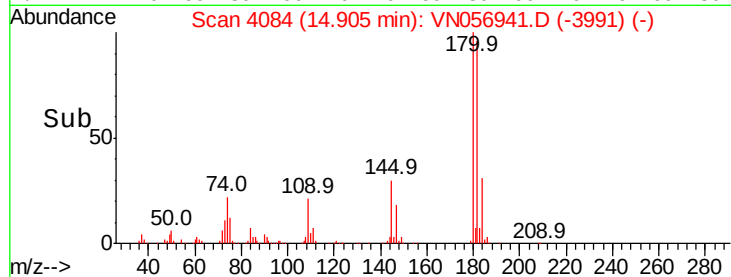
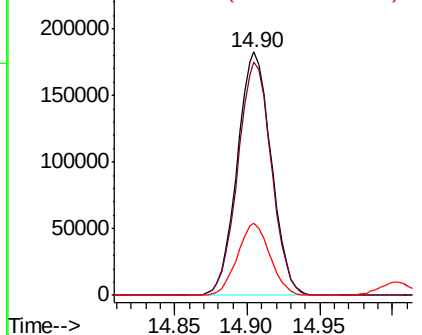
Tot Ion:	180	Resp:	296616
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.6	142.8
145	28.5	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 44.848 ug/l

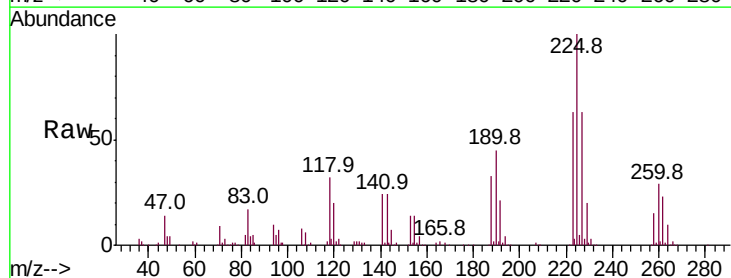
RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

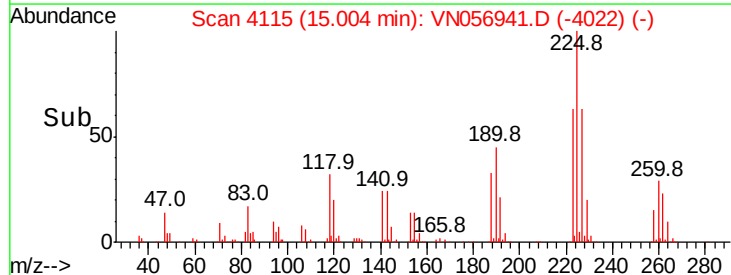
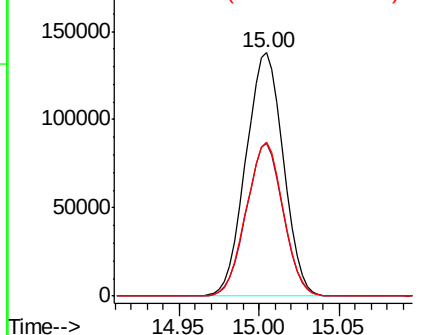
Lab File: VN056941.D

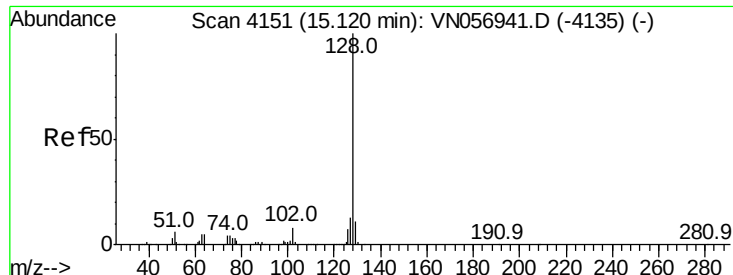
Acq: 26 Jul 2019 10:34

Tgt Ion:	225	Resp:	221332
Ion Ratio	Lower	Upper	
225	100		
223	61.6	30.8	92.4
227	62.3	31.1	93.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





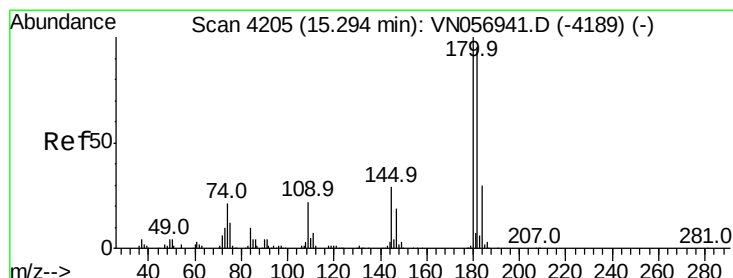
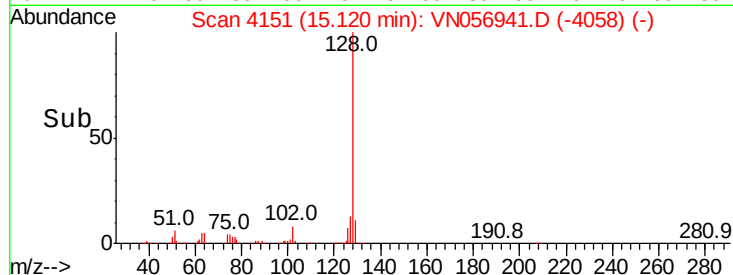
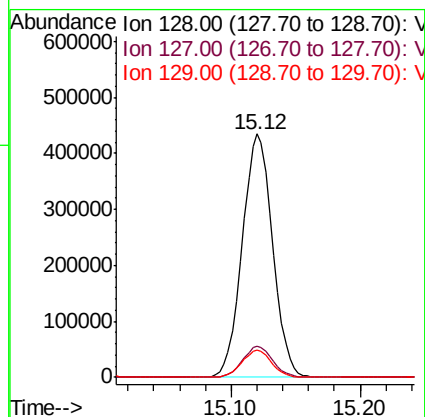
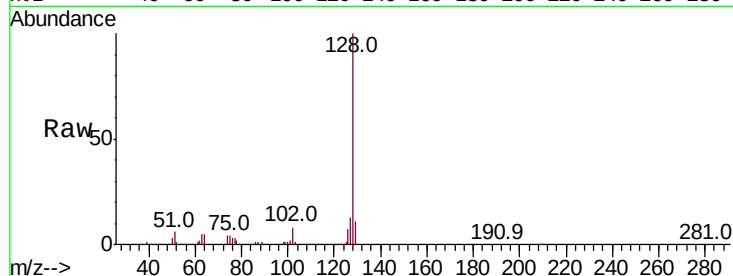
#95
Naphthalene
Concen: 56.084 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	709266		
127	12.5		10.0	15.0
129	10.9		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/2/2019 9:13:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 55.065 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN056941.D
Acq: 26 Jul 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	300066		
182	96.1		48.0	144.2
145	30.0		15.0	45.0

