

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056703.D
 Acq On : 15 Jul 2019 11:06
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:26 AM

Quant Time: Jul 16 01:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	385404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	573226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	242292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	199125	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.59	113	174727	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.09	98	684650	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	237303	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	160608	44.380	ug/l	99
3) Chloromethane	2.06	50	213579	43.897	ug/l	99
4) Vinyl Chloride	2.18	62	209909	44.801	ug/l	100
5) Bromomethane	2.55	94	132161	47.966	ug/l	99
6) Chloroethane	2.69	64	119388	43.728	ug/l	99
7) Trichlorofluoromethane	3.01	101	271303	45.127	ug/l	99
8) Diethyl Ether	3.41	74	110484	47.136	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167834	46.466	ug/l	99
10) Methyl Iodide	3.95	142	224519	46.472	ug/l	100
11) Tert butyl alcohol	4.79	59	168701	237.743	ug/l	99
12) 1,1-Dichloroethene	3.73	96	165702	45.736	ug/l	98
13) Acrolein	3.61	56	58719	242.608	ug/l	99
14) Allyl chloride	4.32	41	293222	46.799	ug/l	100
15) Acrylonitrile	4.99	53	473744	231.185	ug/l	100
16) Acetone	3.82	43	455636	231.930	ug/l	100
17) Carbon Disulfide	4.05	76	449558	46.956	ug/l	99
18) Methyl Acetate	4.33	43	200575	45.369	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	535283	46.370	ug/l	100
20) Methylene Chloride	4.55	84	191334	44.567	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	178544	46.621	ug/l	97
22) Diisopropyl ether	5.95	45	581928	47.054	ug/l	99
23) Vinyl Acetate	5.90	43	2456324	245.098	ug/l	100
24) 1,1-Dichloroethane	5.85	63	329085	45.896	ug/l	99
25) 2-Butanone	6.84	43	674196	234.734	ug/l	100
26) 2,2-Dichloropropane	6.82	77	251641	48.673	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	208394	47.290	ug/l	100
28) Bromochloromethane	7.20	49	160608	47.640	ug/l	100
29) Tetrahydrofuran	7.21	42	432366	230.803	ug/l	99
30) Chloroform	7.37	83	319923	44.587	ug/l	99
31) Cyclohexane	7.65	56	318609	46.750	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	265501	46.789	ug/l	99
36) 1,1-Dichloropropene	7.79	75	251712	47.453	ug/l	99
37) Ethyl Acetate	6.93	43	254011	48.587	ug/l	98
38) Carbon Tetrachloride	7.77	117	234398	47.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	327381	49.984	ug/l	100
40) Benzene	8.04	78	762413	46.909	ug/l	99
41) Methacrylonitrile	7.18	41	116891m	50.901	ug/l	
42) 1,2-Dichloroethane	8.12	62	243008	47.308	ug/l	100
43) Isopropyl Acetate	8.17	43	402454	48.967	ug/l	100
44) Trichloroethene	8.83	130	209750	47.524	ug/l	97
45) 1,2-Dichloropropane	9.12	63	204321	47.311	ug/l	97
46) Dibromomethane	9.21	93	129045	48.218	ug/l	100
47) Bromodichloromethane	9.40	83	243817	47.942	ug/l	99
48) Methyl methacrylate	9.20	41	193149	48.594	ug/l	97
49) 1,4-Dioxane	9.20	88	81592	1000.421	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1276909	239.875	ug/l	99
52) Toluene	10.15	92	472393	48.941	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	274596	51.752	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	311378	50.572	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	185492	45.818	ug/l	98
56) Ethyl methacrylate	10.43	69	300425	51.573	ug/l	99
57) 1,3-Dichloropropane	10.71	76	315629	47.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	711514	254.005	ug/l	98
59) 2-Hexanone	10.75	43	968433	253.543	ug/l	100
60) Dibromochloromethane	10.90	129	197682	49.649	ug/l	100
61) 1,2-Dibromoethane	11.00	107	197773	49.155	ug/l	99
64) Tetrachloroethene	10.63	164	201909	45.401	ug/l	99
65) Chlorobenzene	11.43	112	505709	47.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	185865	47.892	ug/l	99
67) Ethyl Benzene	11.51	91	907537	48.993	ug/l	99
68) m/p-Xylenes	11.62	106	681164	98.394	ug/l	99
69) o-Xylene	11.95	106	331857	48.759	ug/l	99
70) Styrene	11.96	104	559916	50.886	ug/l	100
71) Bromoform	12.12	173	147801	50.053	ug/l #	98
73) Isopropylbenzene	12.25	105	873682	44.721	ug/l	100
74) N-amyl acetate	12.07	43	341738	46.969	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	270259	47.683	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	238144m	44.939	ug/l	
77) Bromobenzene	12.53	156	229406	44.894	ug/l	98
78) n-propylbenzene	12.59	91	997452	45.989	ug/l	99
79) 2-Chlorotoluene	12.67	91	588246	49.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	748538	45.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	83708	48.783	ug/l	98
82) 4-Chlorotoluene	12.77	91	595475	46.785	ug/l	99
83) tert-Butylbenzene	12.99	119	635784	49.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	749411	46.329	ug/l	100
85) sec-Butylbenzene	13.17	105	846035	45.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	784598	47.074	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	394262	47.080	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	385377	47.310	ug/l	100
89) n-Butylbenzene	13.61	91	670755	49.961	ug/l	100
90) Hexachloroethane	13.87	117	124291	46.114	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	388324	45.340	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48833	46.615	ug/l	99

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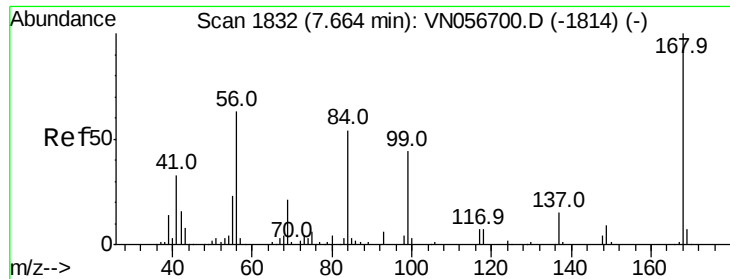
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	237191	50.119	ug/l	98
94) Hexachlorobutadiene	15.01	225	139443	51.869	ug/l	100
95) Naphthalene	15.13	128	626373	48.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	237657	50.549	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion:168 Resp: 385404

Ion Ratio Lower Upper

168 100

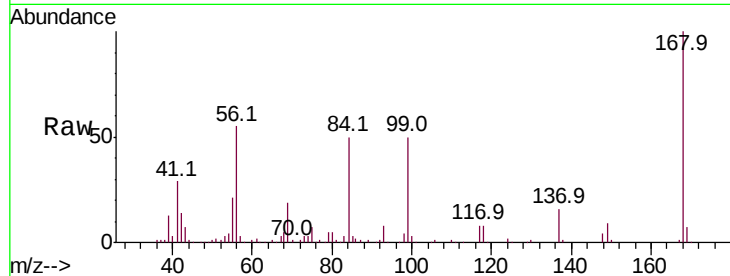
99 50.3 39.4 59.2

Manual Integrations

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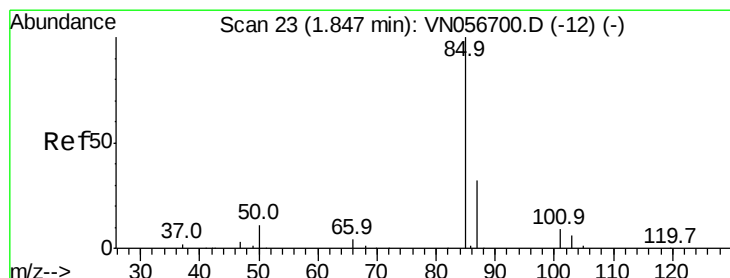
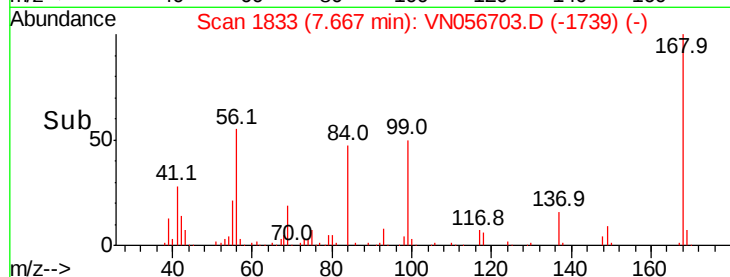
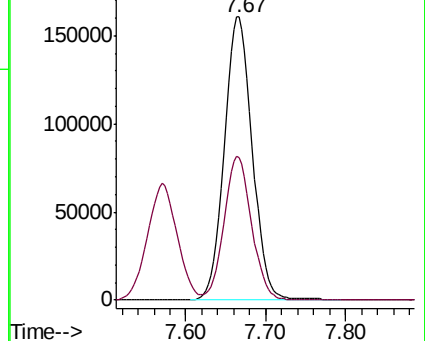
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.380 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056703.D

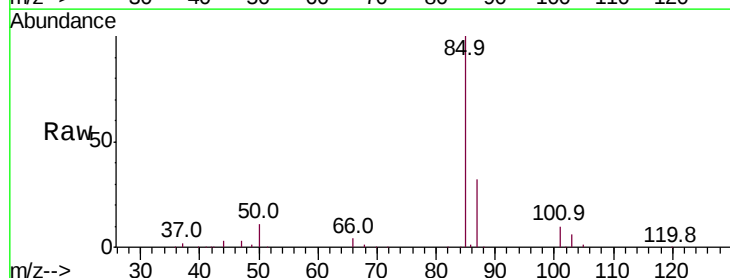
Acq: 15 Jul 2019 11:06

Tgt Ion: 85 Resp: 160608

Ion Ratio Lower Upper

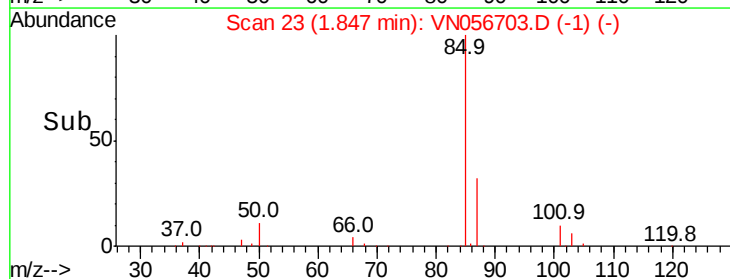
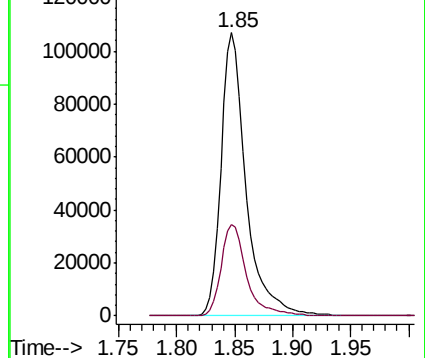
85 100

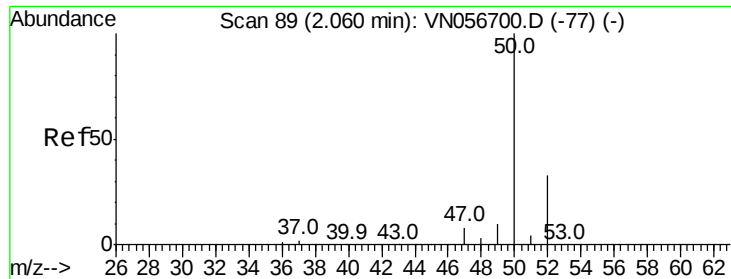
87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.897 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion: 50 Resp: 213579

Ion Ratio Lower Upper

50 100

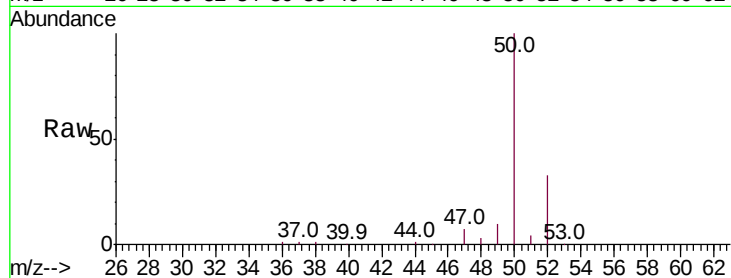
52 32.8 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

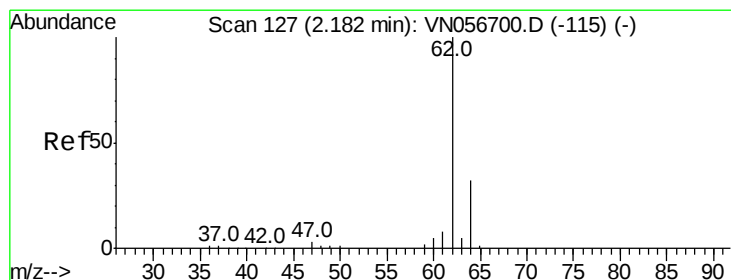
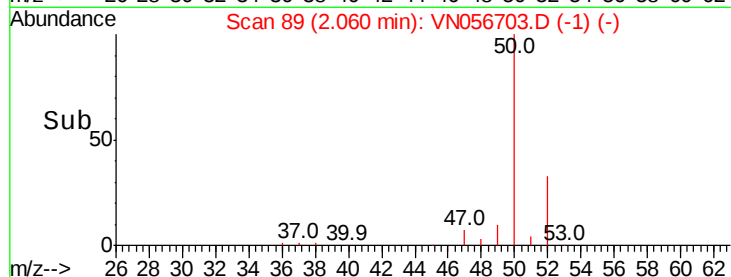
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.801 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056703.D

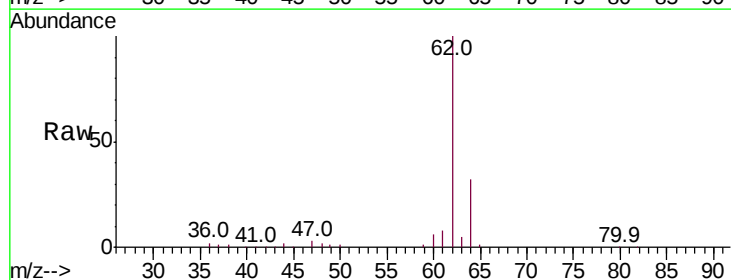
Acq: 15 Jul 2019 11:06

Tgt Ion: 62 Resp: 209909

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

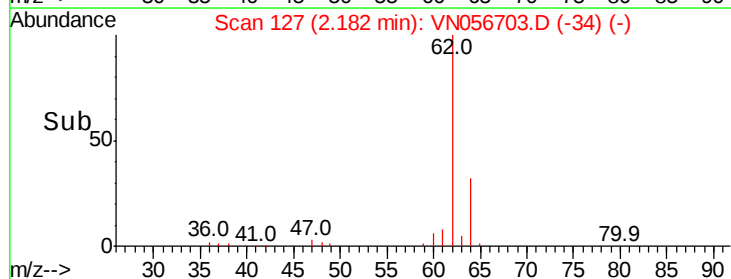
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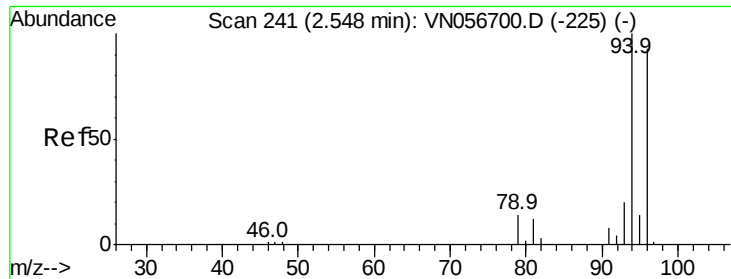
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Time-->





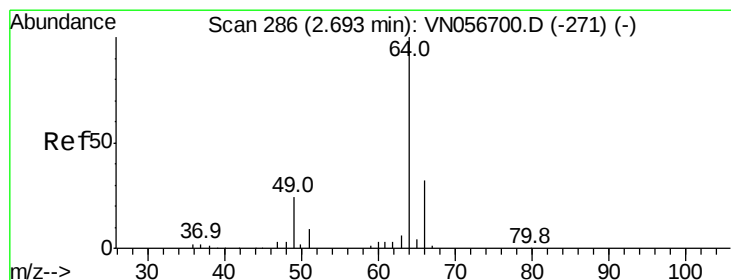
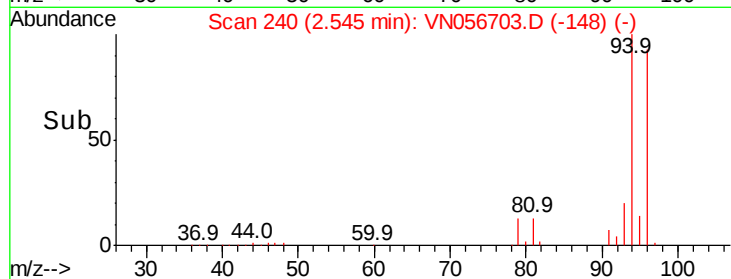
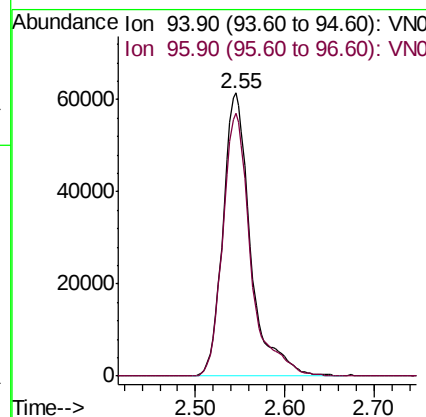
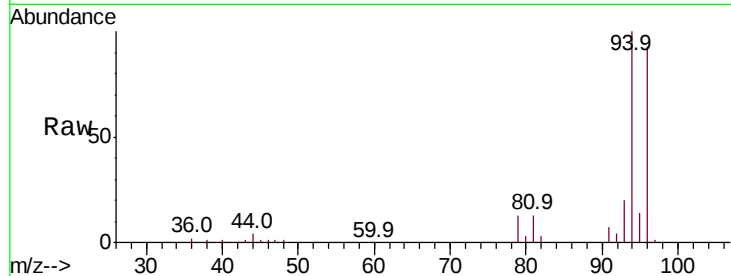
#5
Bromomethane
Concen: 47.966 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 132161
Ion Ratio Lower Upper
94 100
96 93.0 74.0 111.0

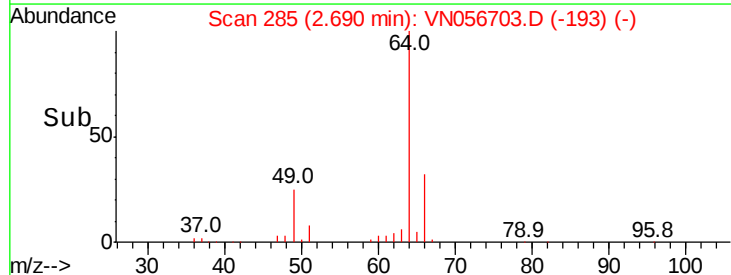
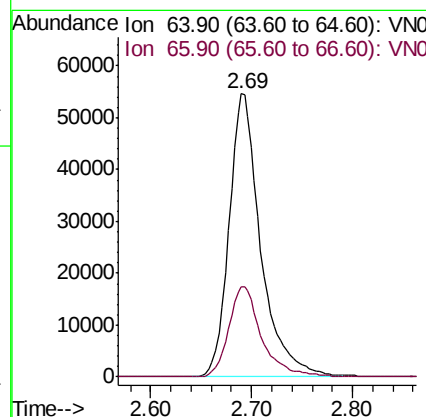
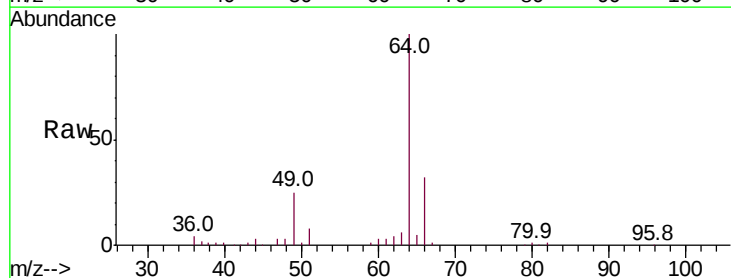
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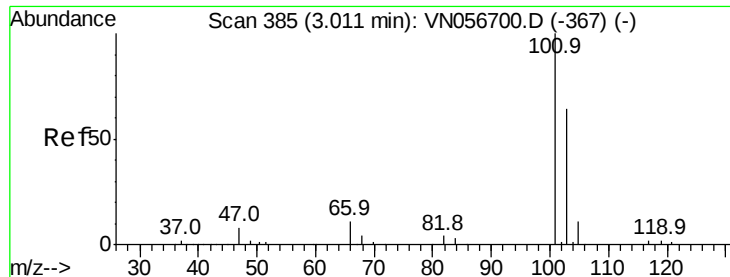
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#6
Chloroethane
Concen: 43.728 ug/l
RT: 2.69 min Scan# 285
Delta R.T. -0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 64 Resp: 119388
Ion Ratio Lower Upper
64 100
66 31.8 25.8 38.8





#7

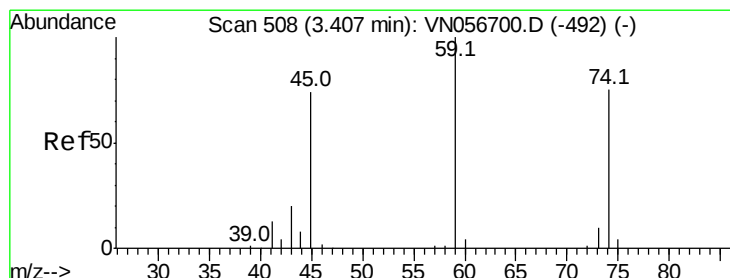
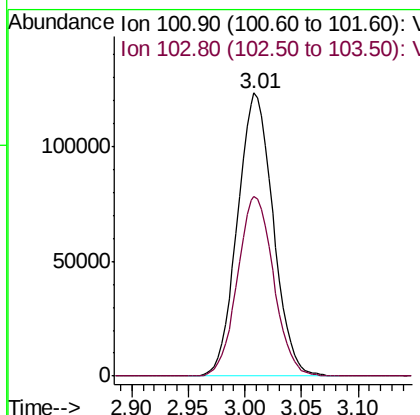
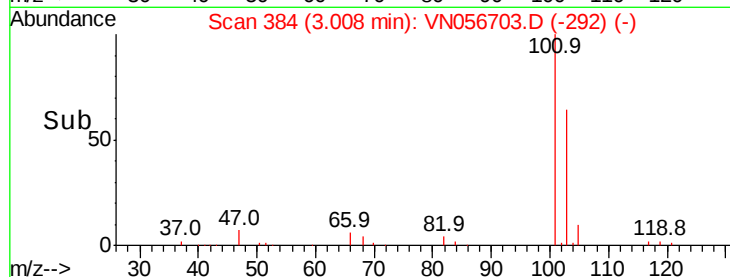
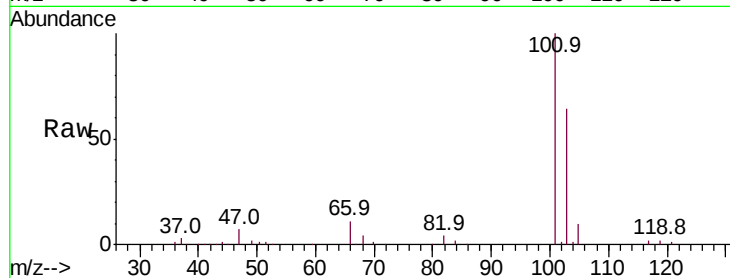
Trichlorofluoromethane
Concen: 45.127 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
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ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.5	77.3

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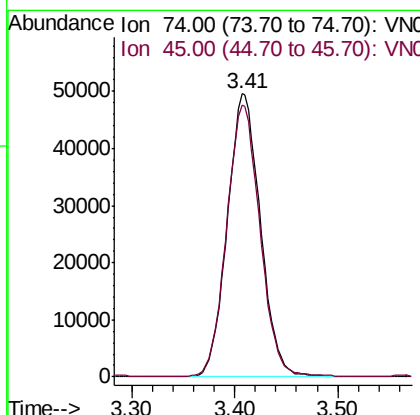
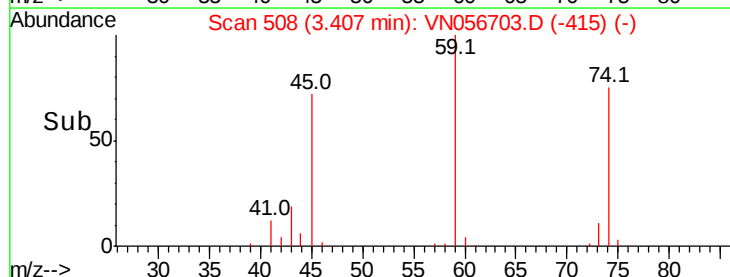
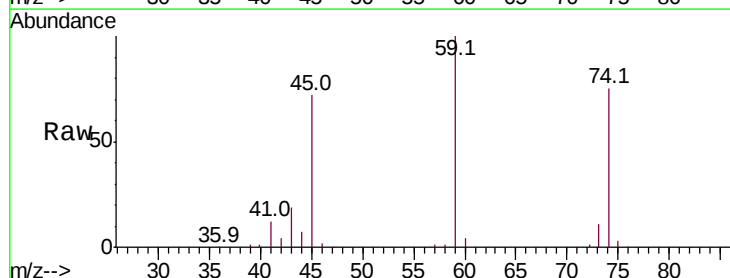
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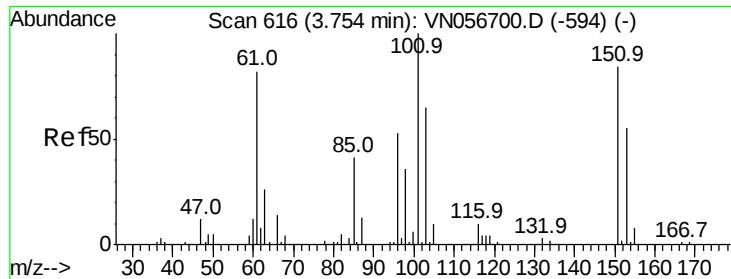


#8

Diethyl Ether
Concen: 47.136 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	49.4	148.2





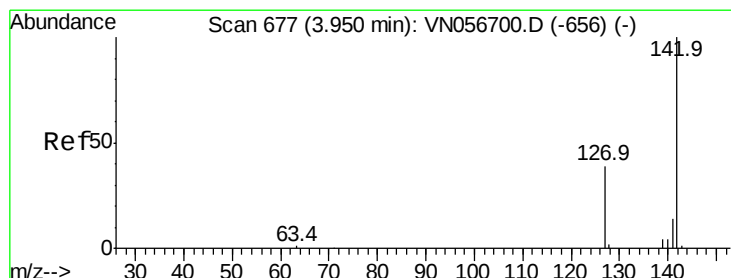
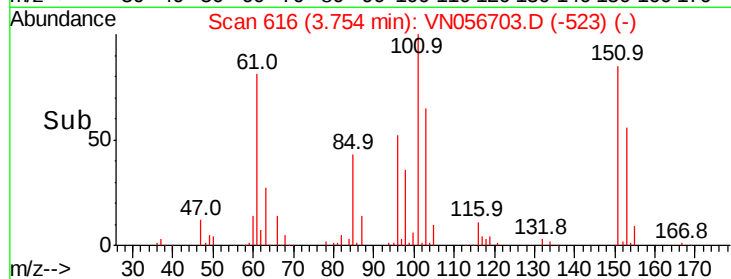
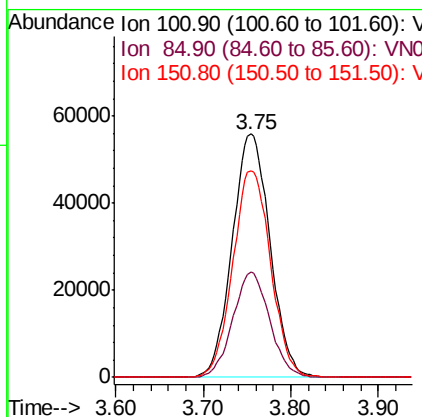
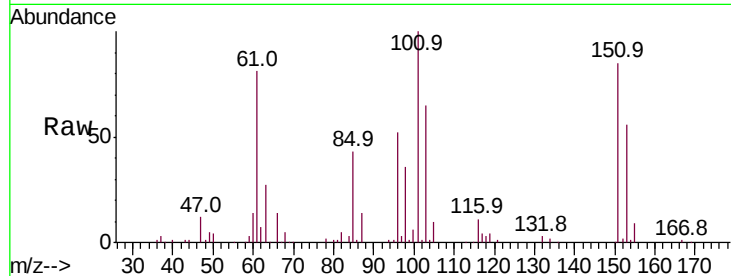
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.466 ug/l
RT: 3.75 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Resp	Lower	Upper
101	100	167834		
85	42.0	33.3	49.9	
151	84.8	67.0	100.6	

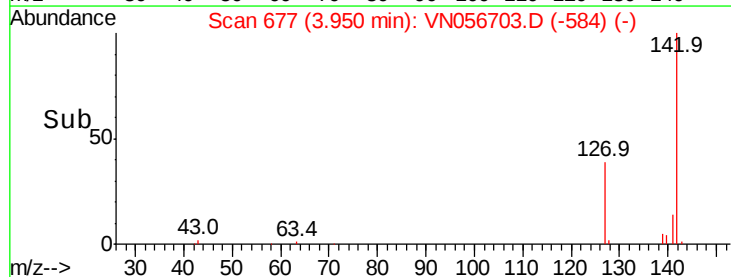
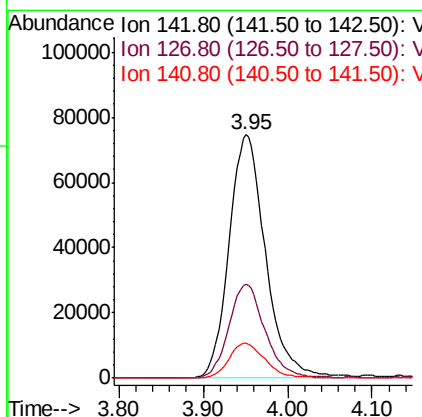
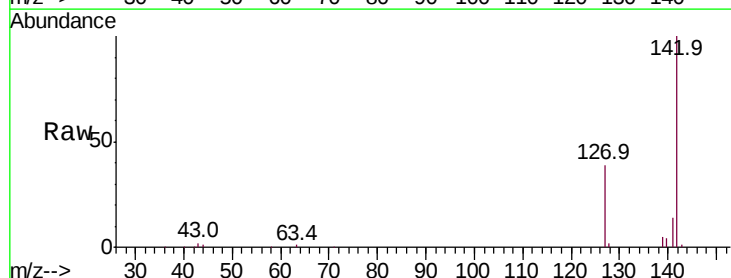
Manual Integrations
APPROVED

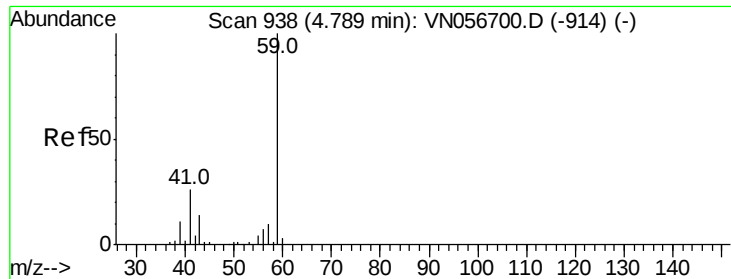
MMDadoda
7/17/2019 1:31:26 AM



#10
Methyl Iodide
Concen: 46.472 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	224519		
127	38.4	30.7	46.1	
141	14.4	11.3	16.9	





#11

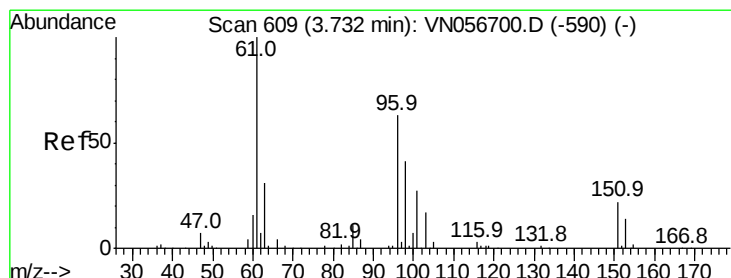
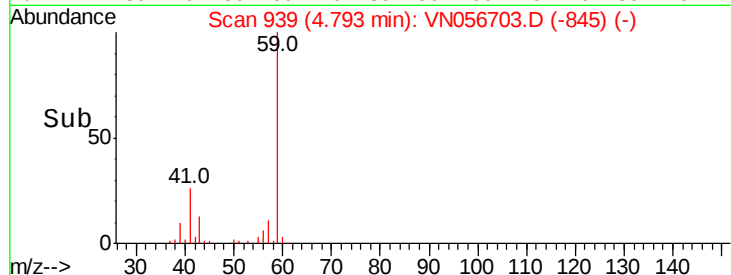
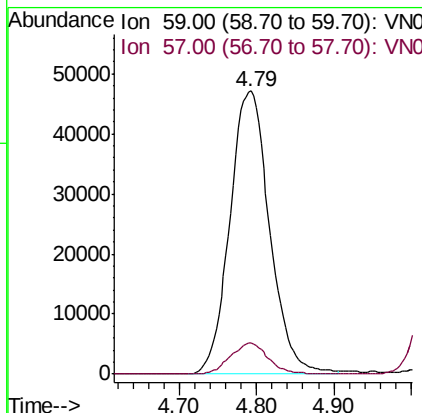
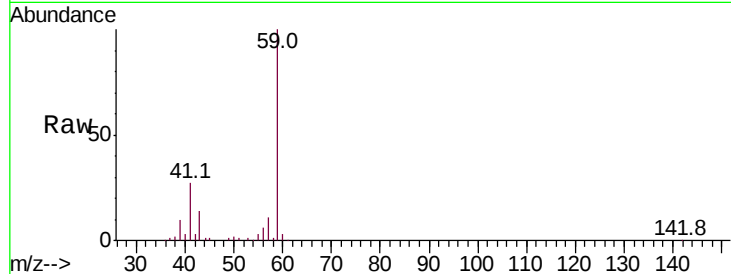
Tert butyl alcohol
Concen: 237.743 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.0	12.0

Manual Integrations
APPROVED

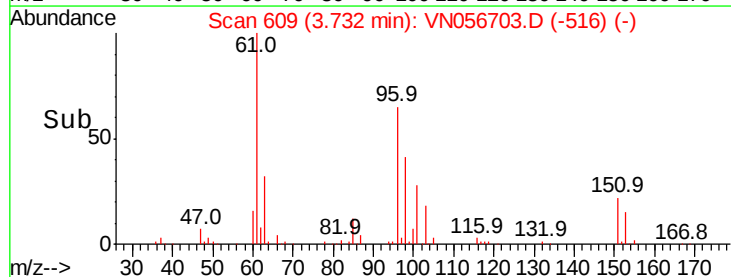
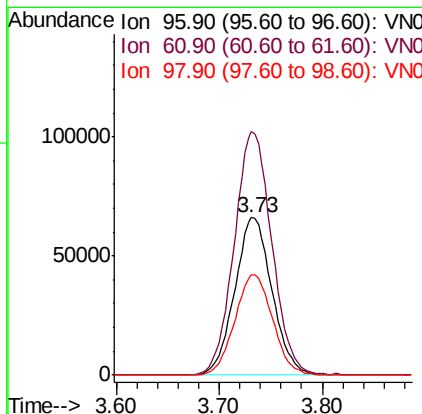
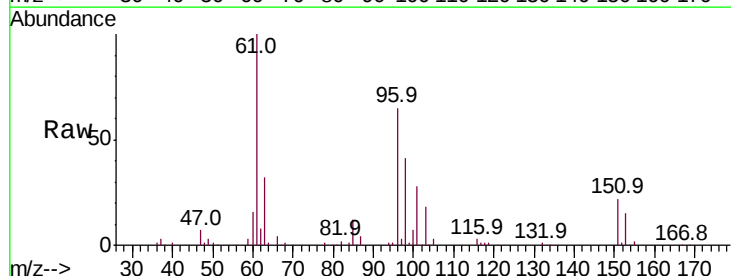
MMDadoda
7/17/2019 1:31:26 AM

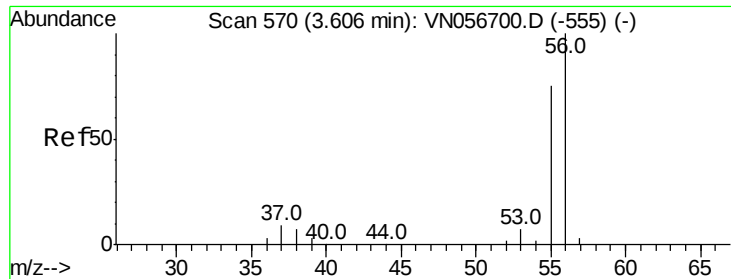


#12

1,1-Dichloroethene
Concen: 45.736 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	126.6	189.8
98	63.6	51.4	77.2





#13

Acrolein

Concen: 242.608 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion: 56 Resp: 58719

Ion Ratio Lower Upper

56 100

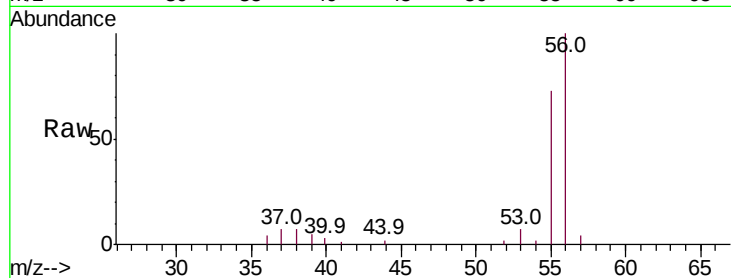
55 71.7 58.0 87.0

Manual Integrations

APPROVED

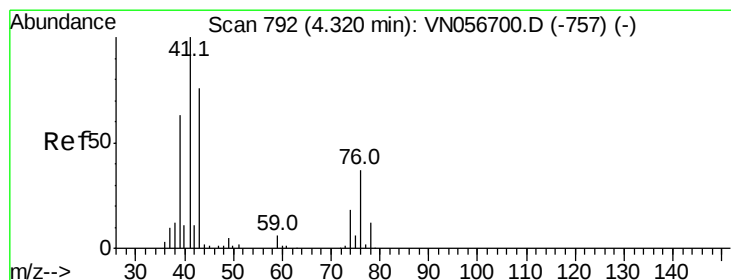
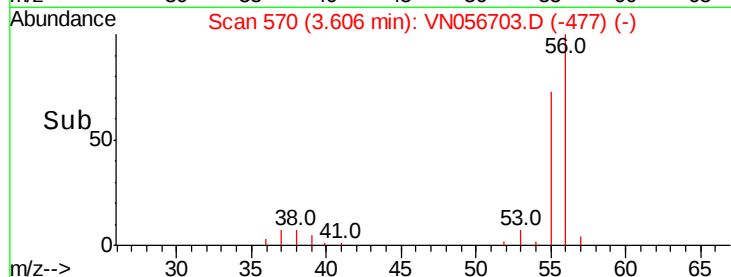
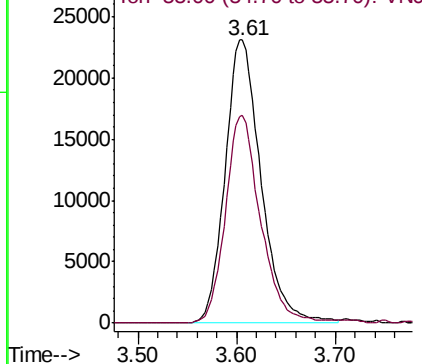
MMDadoda

7/17/2019 1:31:26 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.799 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

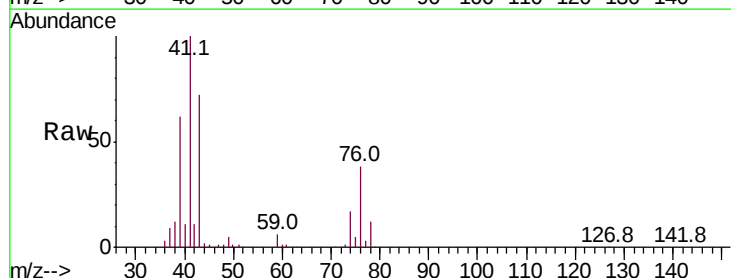
Tgt Ion: 41 Resp: 293222

Ion Ratio Lower Upper

41 100

39 58.4 46.9 70.3

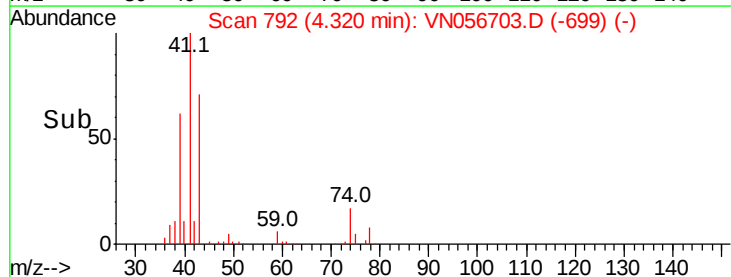
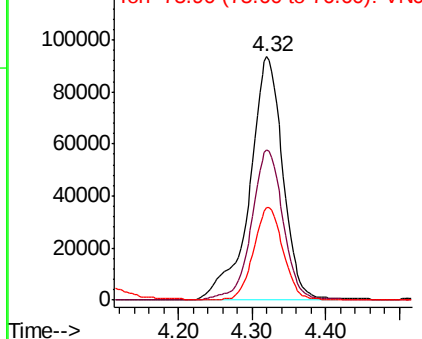
76 33.1 26.5 39.7

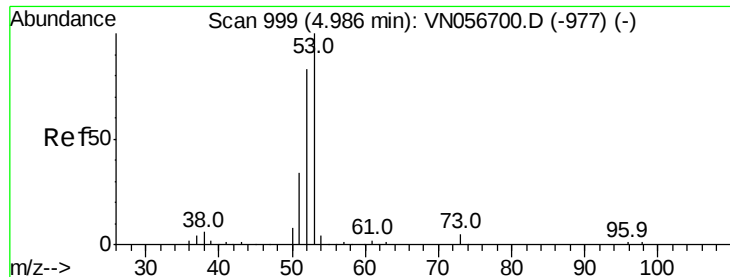


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 231.185 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

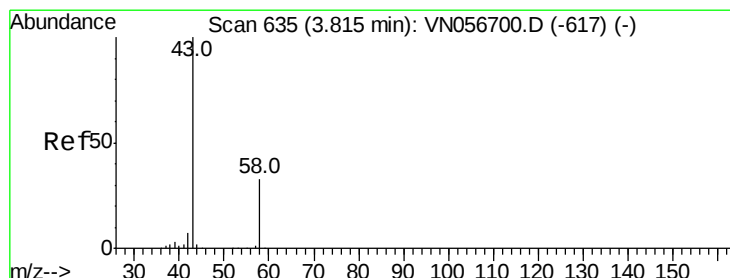
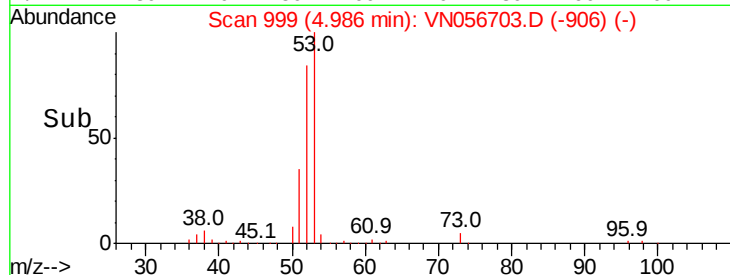
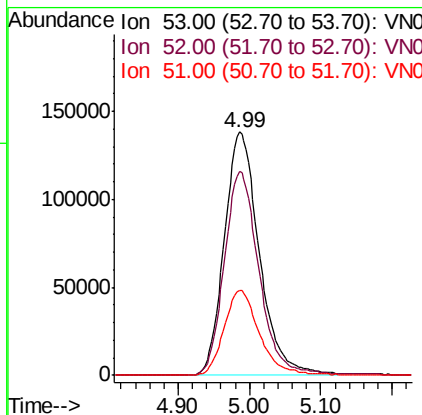
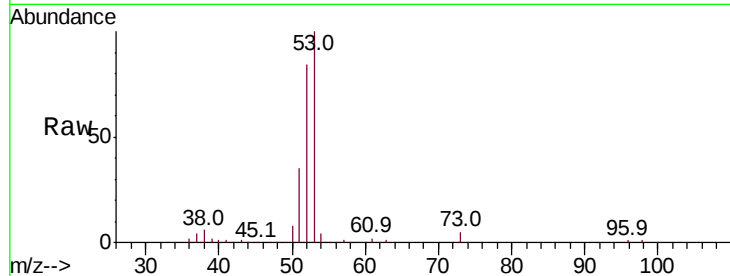
ClientSampleId :

ICVVN071519

Tot Ion:	53	Resp:	473744
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	35.2	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 231.930 ug/l

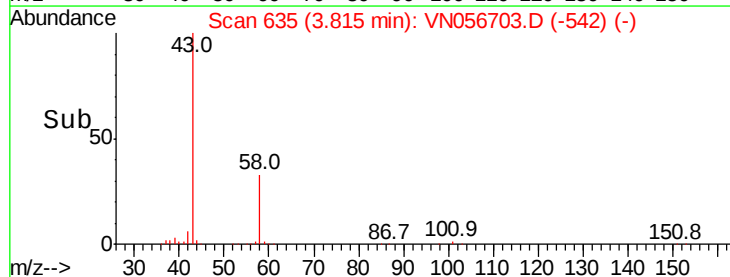
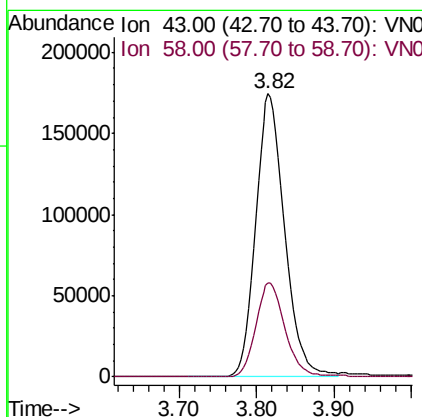
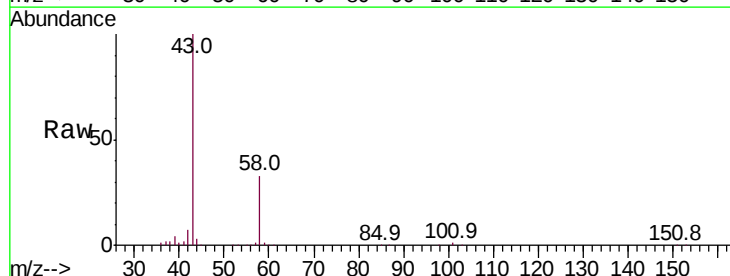
RT: 3.82 min Scan# 635

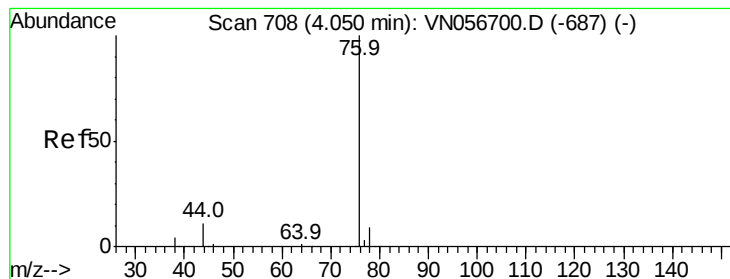
Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion:	43	Resp:	455636
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.7	40.1





#17

Carbon Disulfide

Concen: 46.956 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion: 76 Resp: 449558

Ion Ratio Lower Upper

76 100

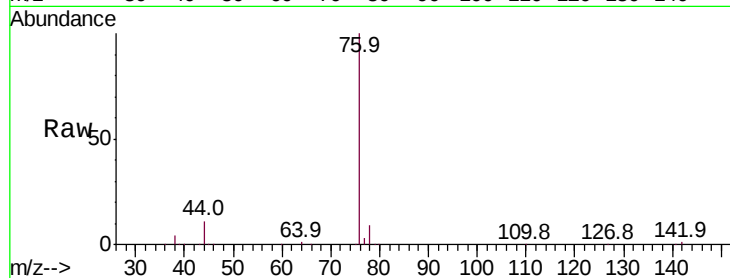
78 8.9 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

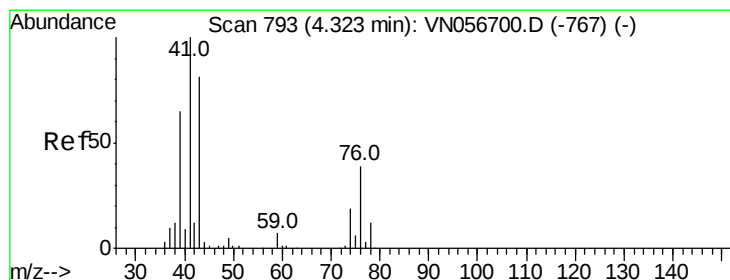
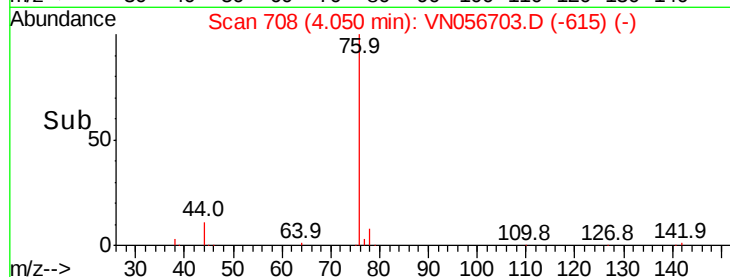
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 45.369 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056703.D

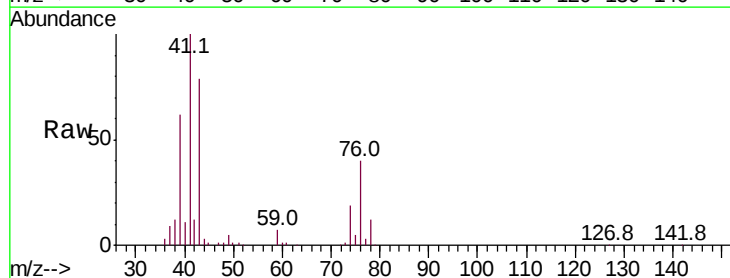
Acq: 15 Jul 2019 11:06

Tgt Ion: 43 Resp: 200575

Ion Ratio Lower Upper

43 100

74 23.9 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

80000

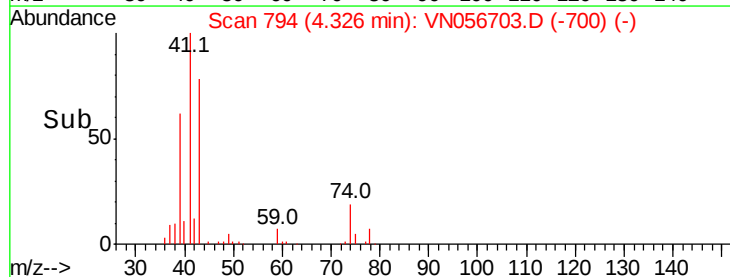
60000

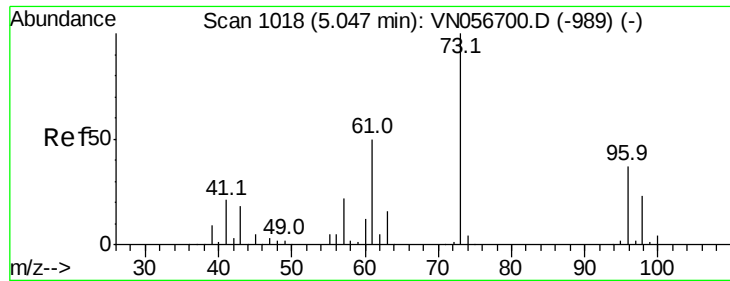
40000

20000

0

Time--> 4.20 4.30 4.40 4.50





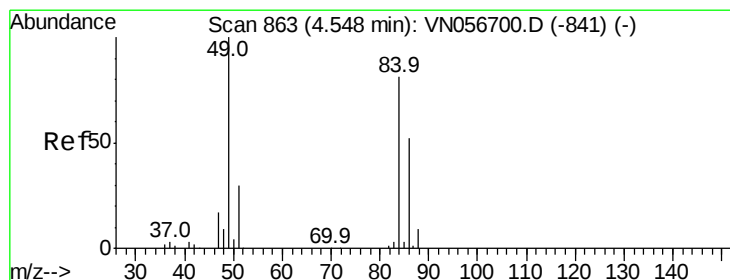
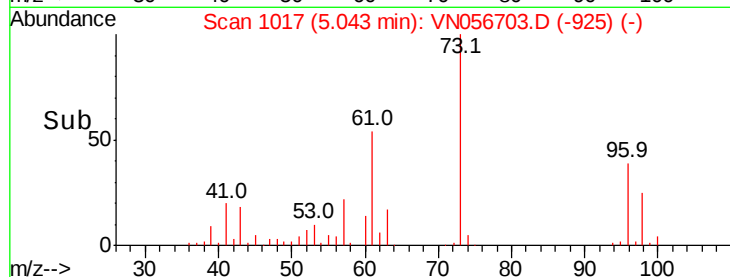
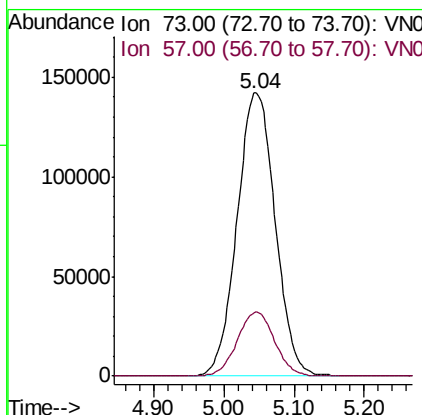
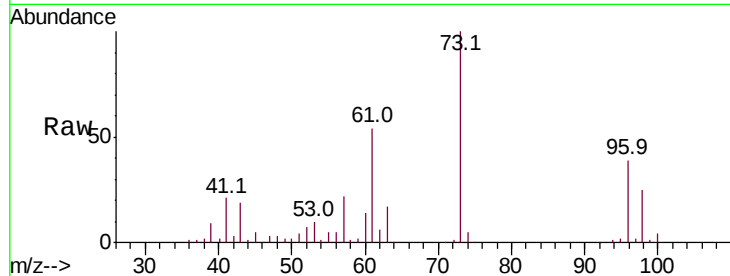
#19
Methyl tert-butyl Ether
Concen: 46.370 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion: 73 Resp: 535283
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

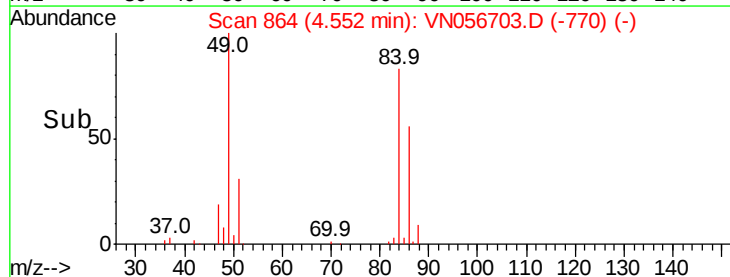
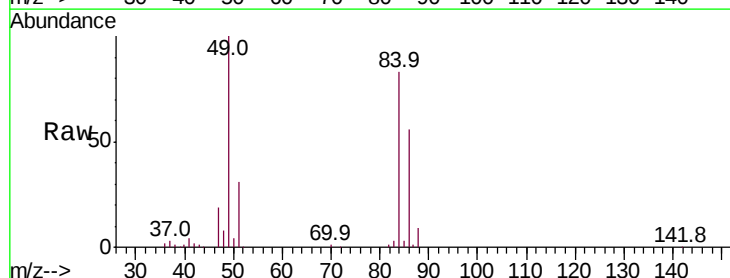
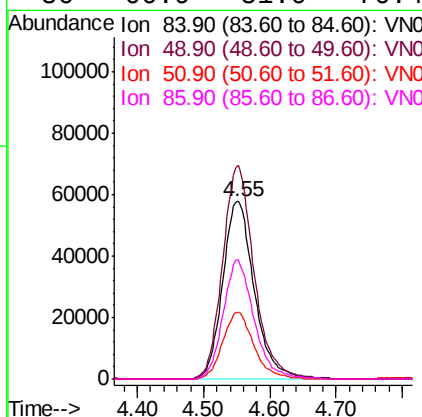
Manual Integrations
APPROVED

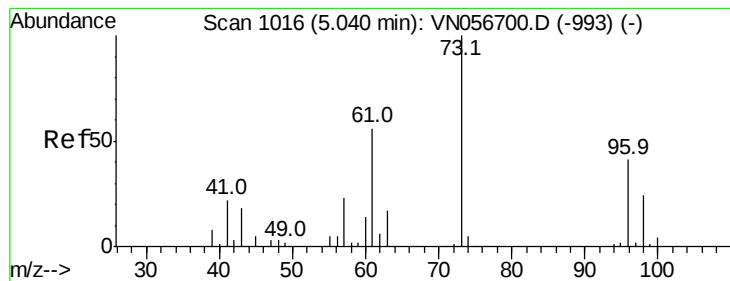
MMDadoda
7/17/2019 1:31:26 AM



#20
Methylene Chloride
Concen: 44.567 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 84 Resp: 191334
Ion Ratio Lower Upper
84 100
49 120.1 98.2 147.4
51 37.7 29.6 44.4
86 66.9 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 46.621 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN071519

Tot Ion: 96 Resp: 178544

Ion Ratio Lower Upper

96 100

61 139.7 109.4 164.2

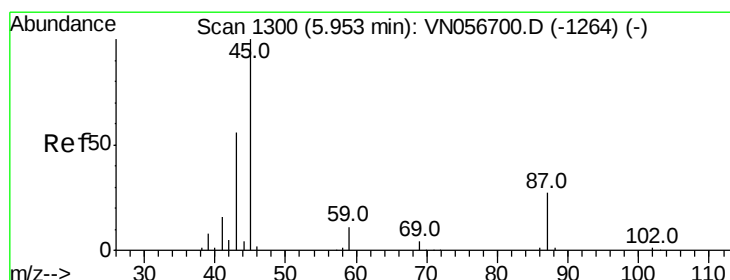
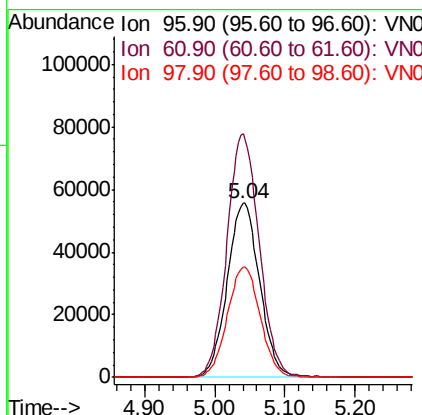
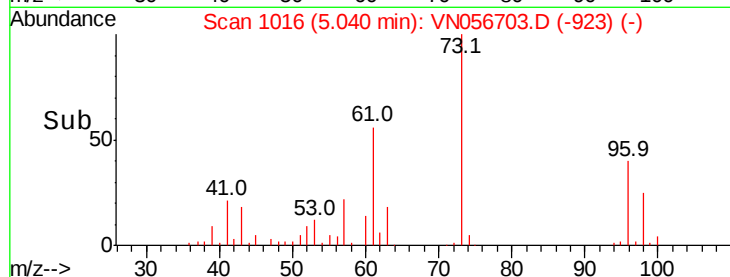
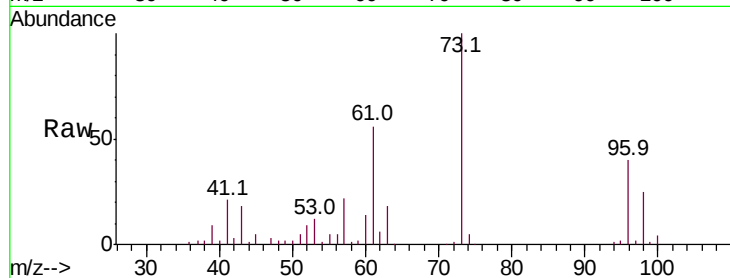
98 63.2 48.0 72.0

Manual Integrations

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MMDadoda

7/17/2019 1:31:26 AM



#22

Diisopropyl ether

Concen: 47.054 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion: 45 Resp: 581928

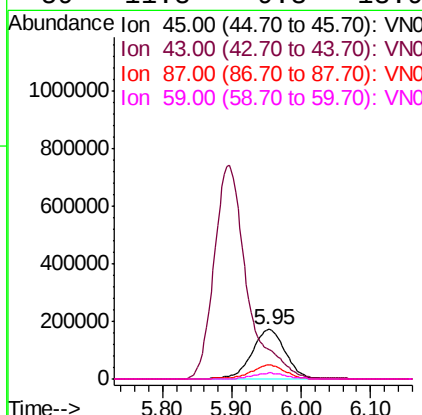
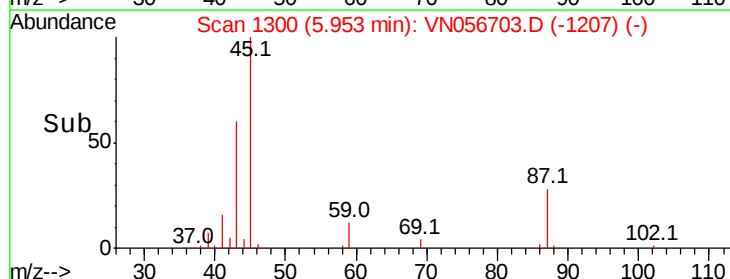
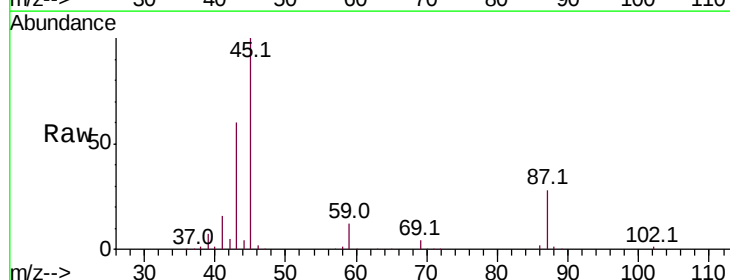
Ion Ratio Lower Upper

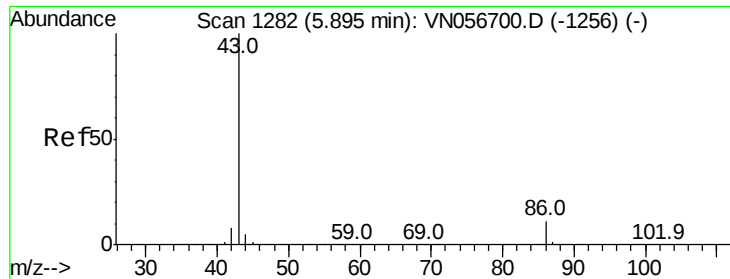
45 100

43 58.1 45.6 68.4

87 28.0 22.0 33.0

59 11.8 9.3 13.9





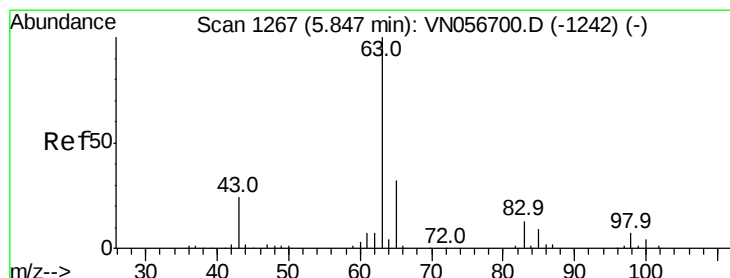
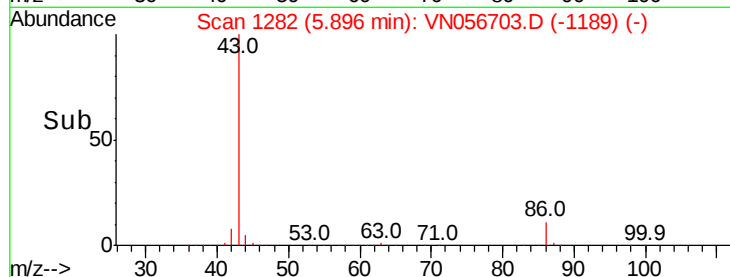
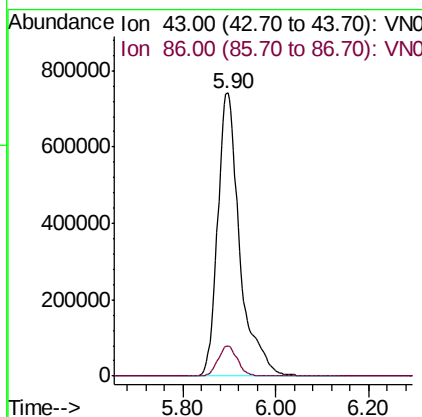
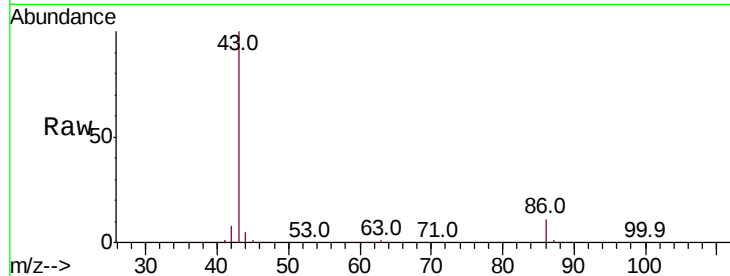
#23
 Vinyl Acetate
 Concen: 245.098 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion: 43 Resp: 2456324
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7

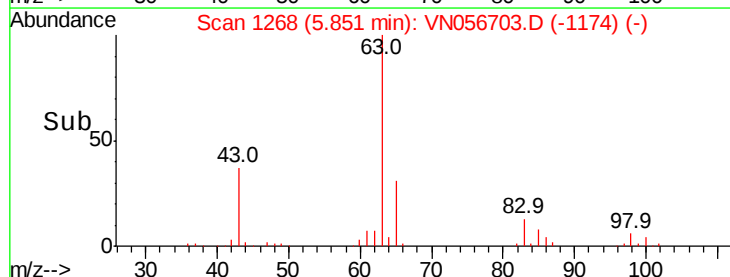
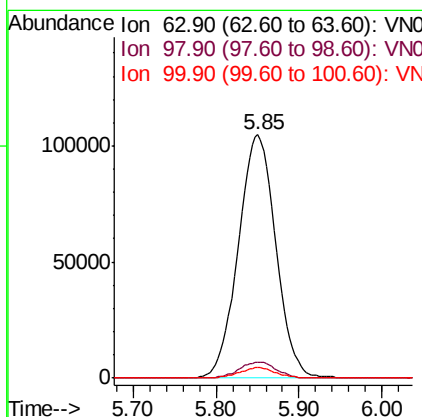
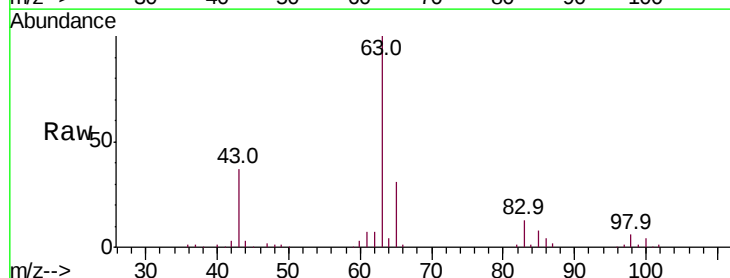
Manual Integrations
 APPROVED

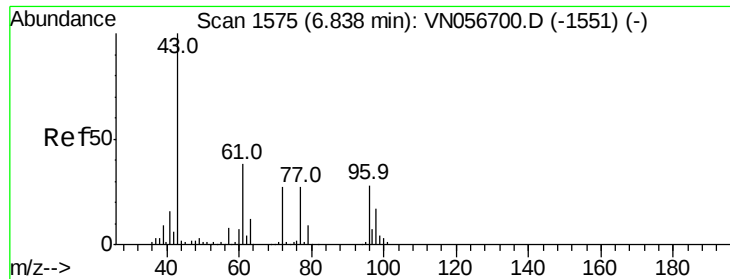
MMDadoda
 7/17/2019 1:31:26 AM



#24
 1,1-Dichloroethane
 Concen: 45.896 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 63 Resp: 329085
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 4.4 2.0 5.8





#25

2-Butanone

Concen: 234.734 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN071519

Tot Ion: 43 Resp: 674196

Ion Ratio Lower Upper

43 100

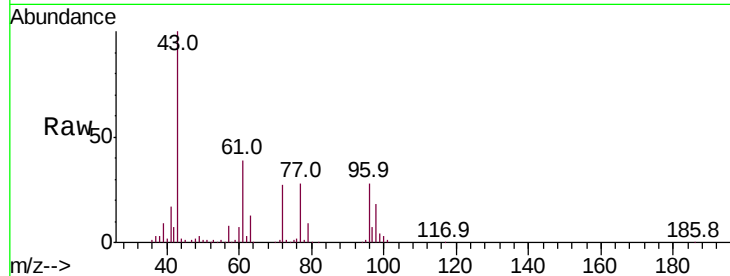
72 26.7 21.2 31.8

Manual Integrations

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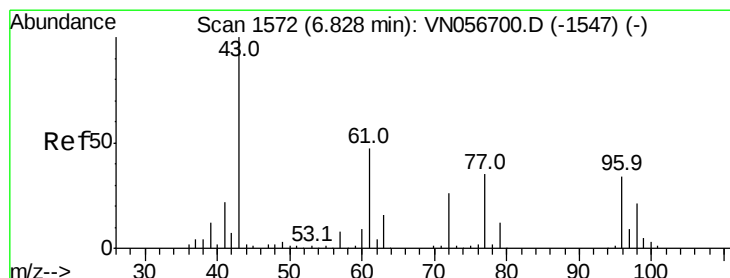
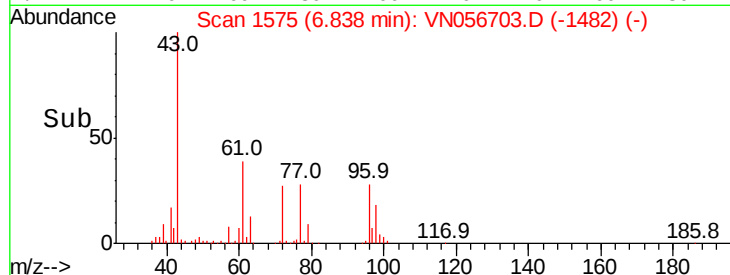
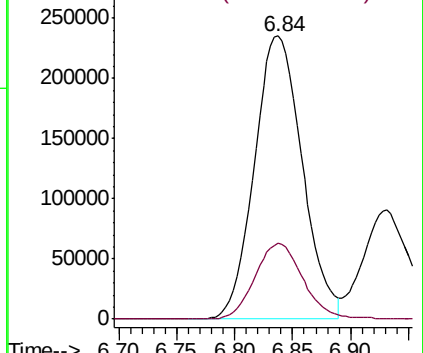
MMDadoda

7/17/2019 1:31:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 48.673 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056703.D

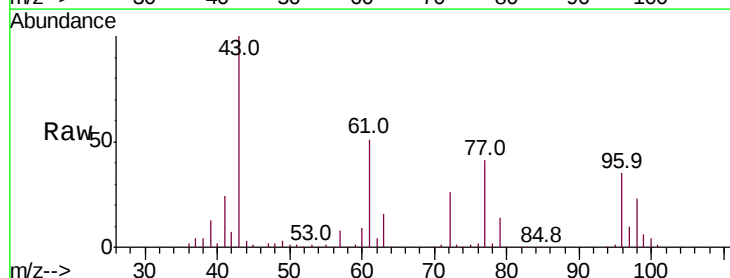
Acq: 15 Jul 2019 11:06

Tgt Ion: 77 Resp: 251641

Ion Ratio Lower Upper

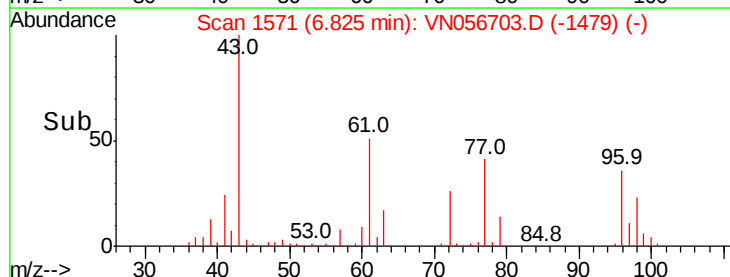
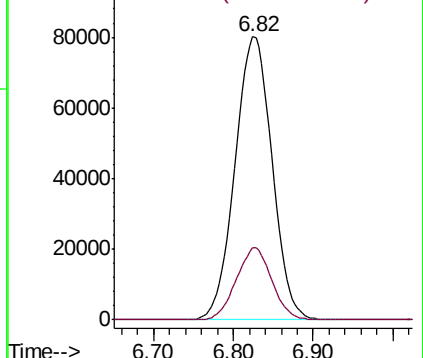
77 100

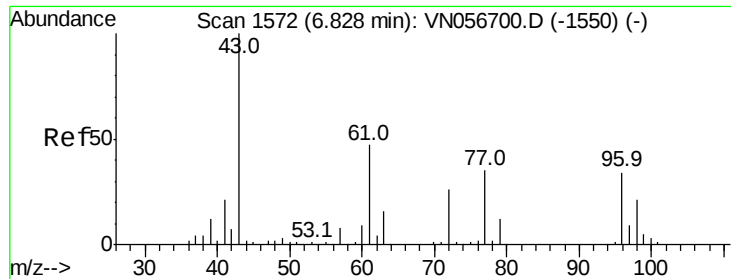
97 24.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 47.290 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056703.D

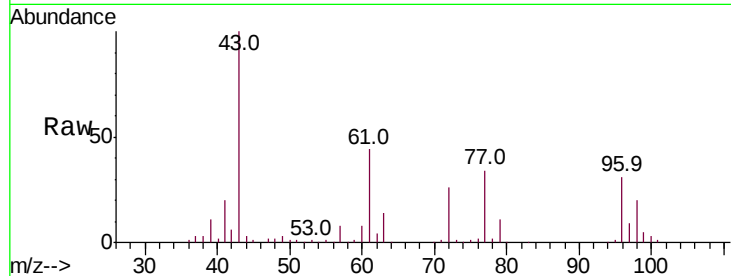
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Resp	Lower	Upper
96	100	208394		
61	140.9	0.0	281.4	
98	63.8	0.0	127.8	

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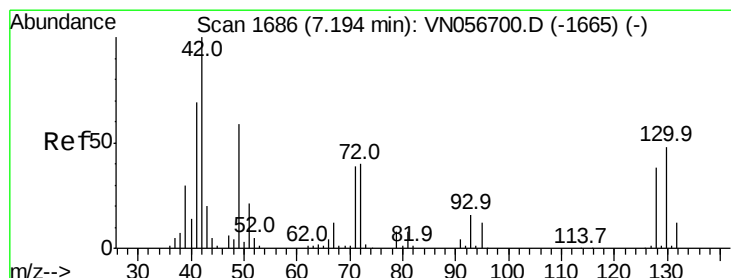
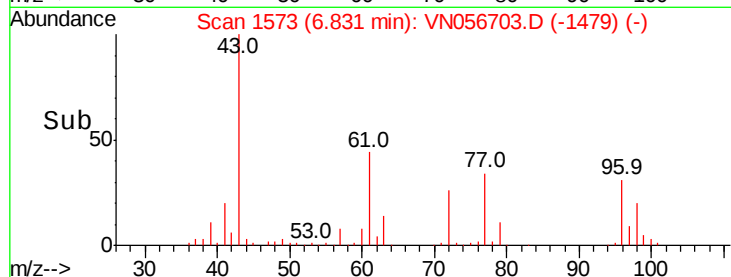
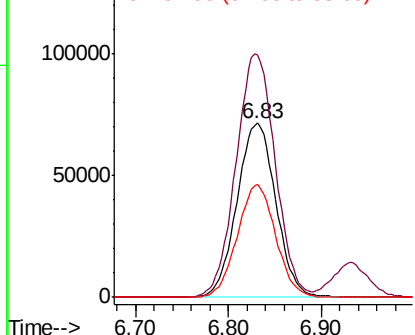


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.640 ug/l

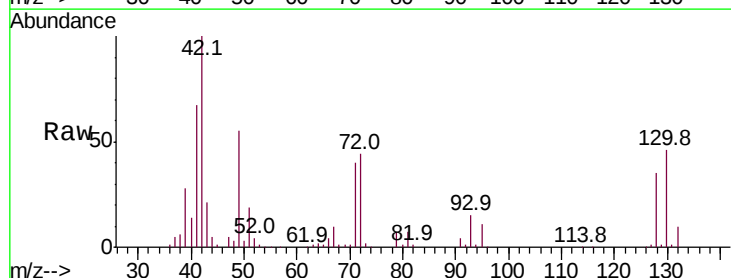
RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	160608		
129	2.0	0.0	4.0	
130	81.1	64.7	97.1	

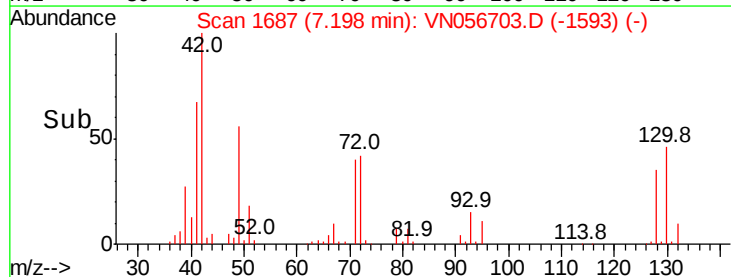
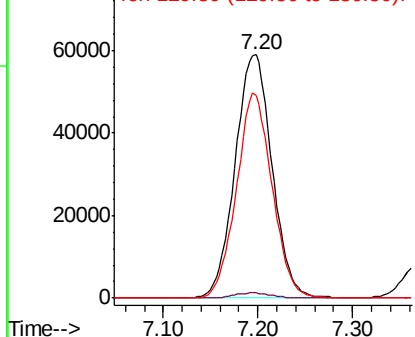


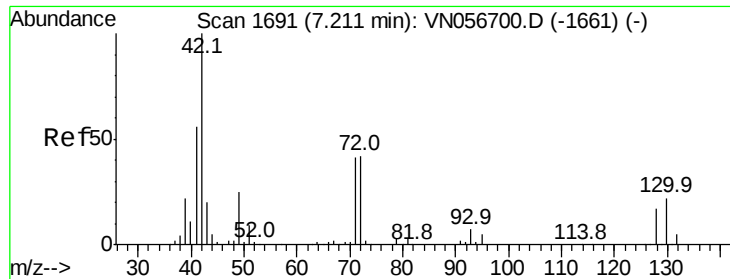
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





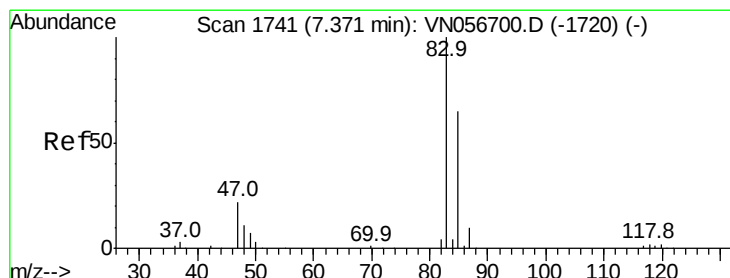
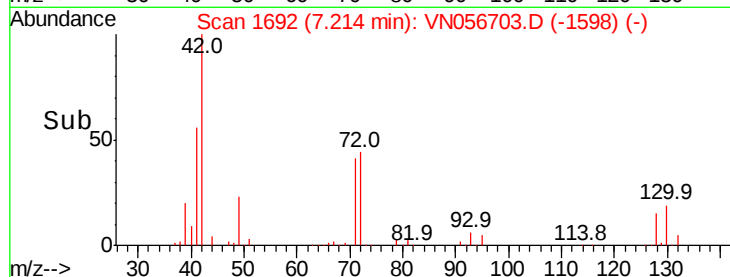
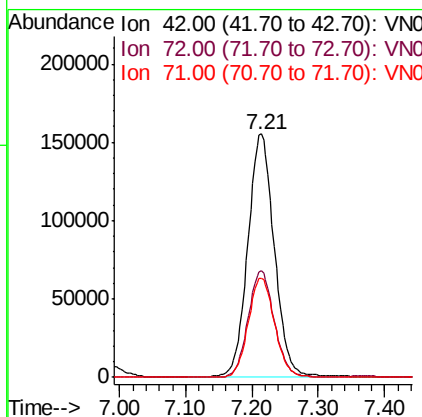
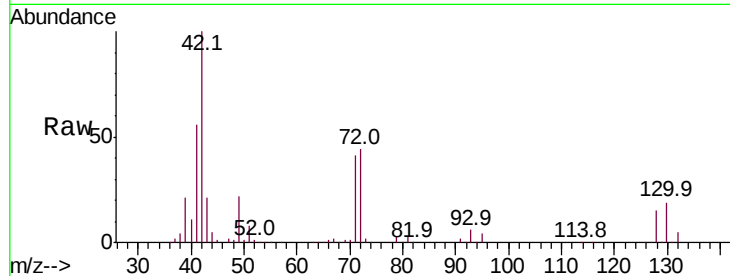
#29
Tetrahydrofuran
Concen: 230.803 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.5	50.3
71	40.3	31.8	47.8

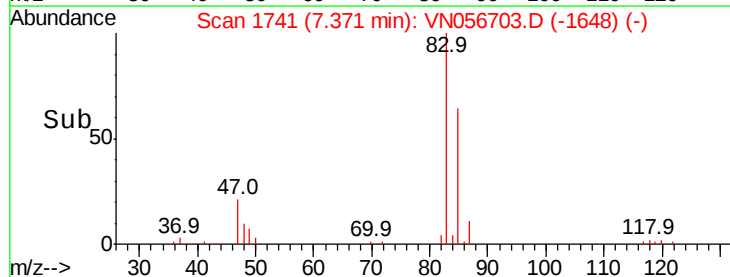
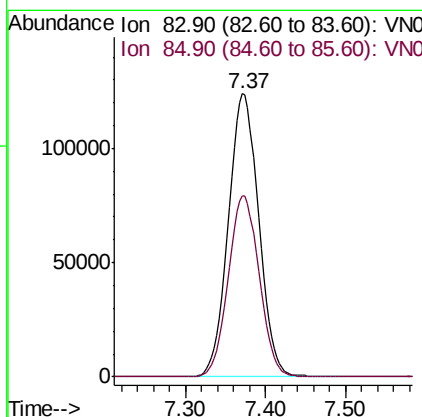
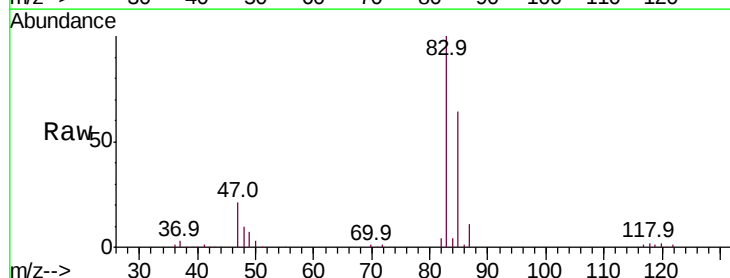
Manual Integrations
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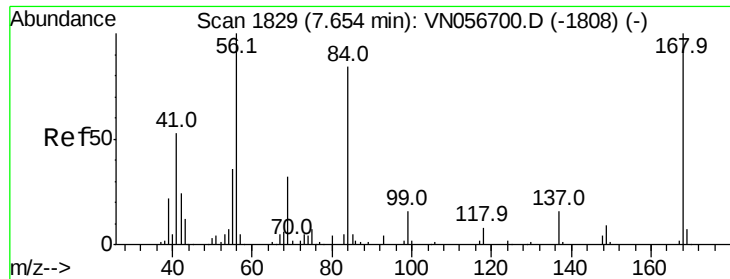
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#30
Chloroform
Concen: 44.587 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.9	77.9





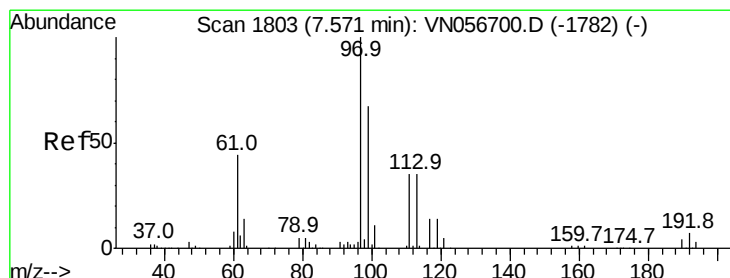
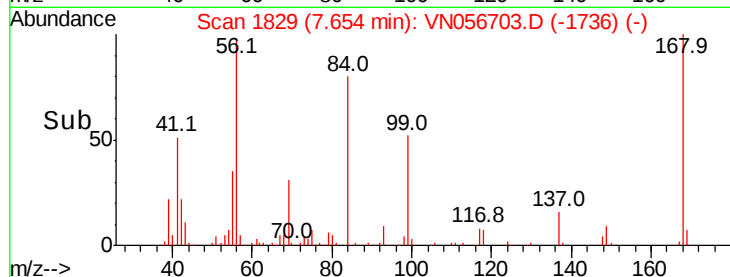
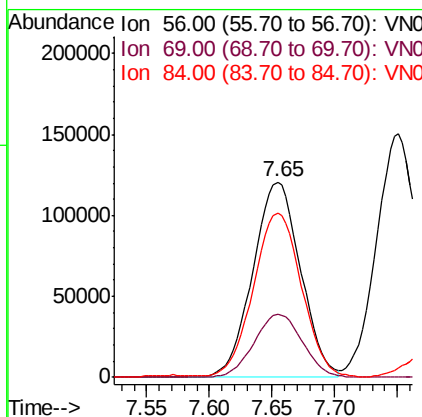
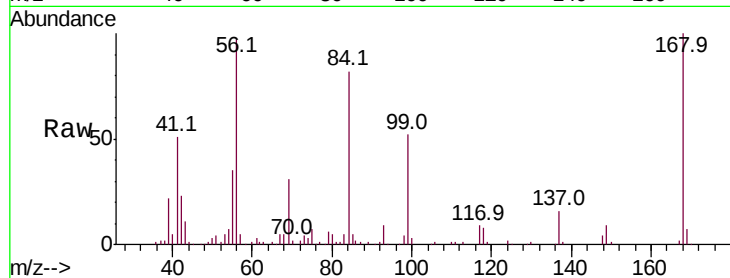
#31
Cyclohexane
Concen: 46.750 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.8
84	83.4	67.4	101.0

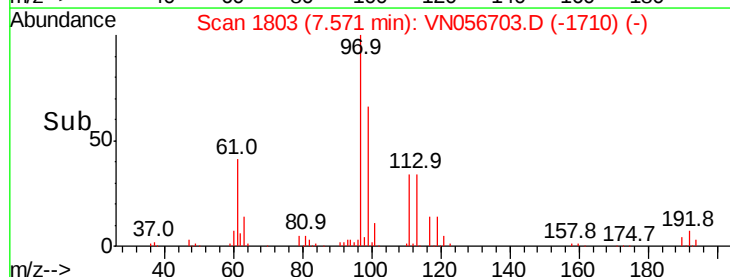
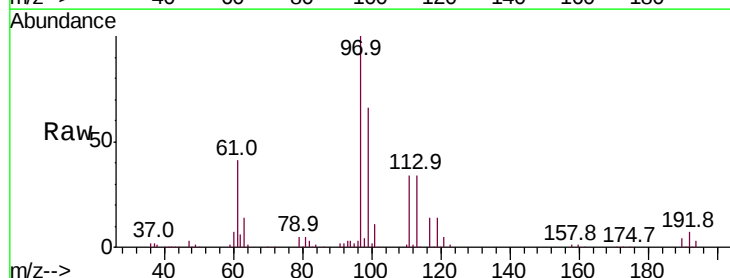
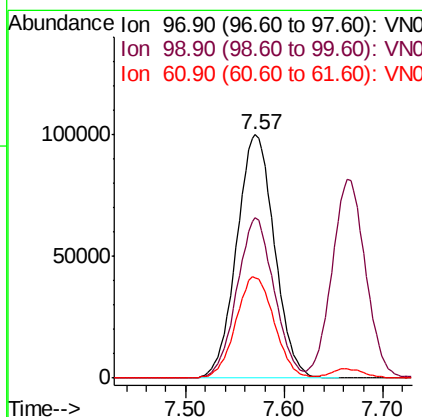
Manual Integrations
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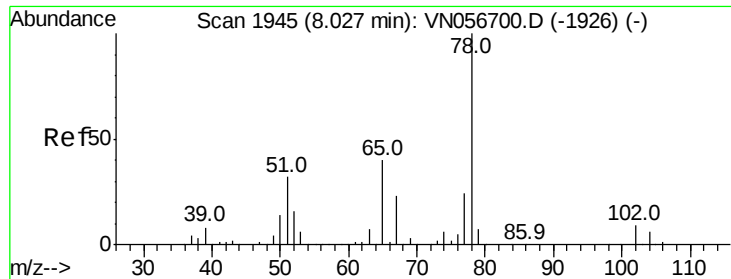
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.789 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	42.3	34.3	51.5





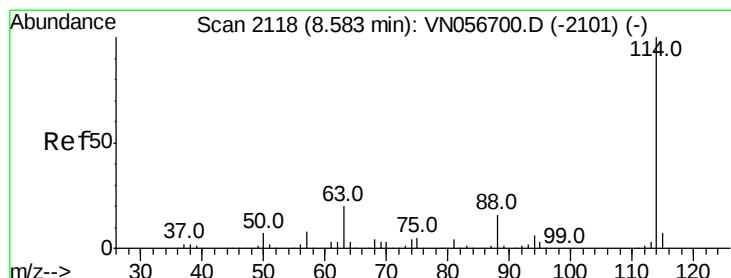
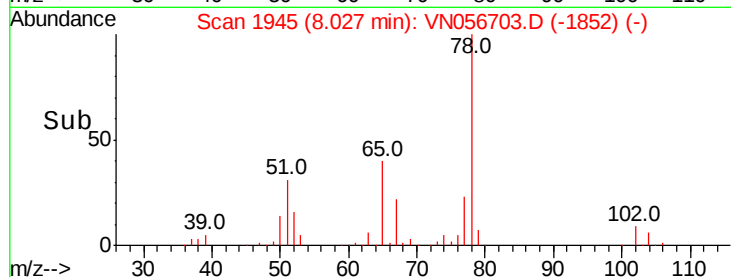
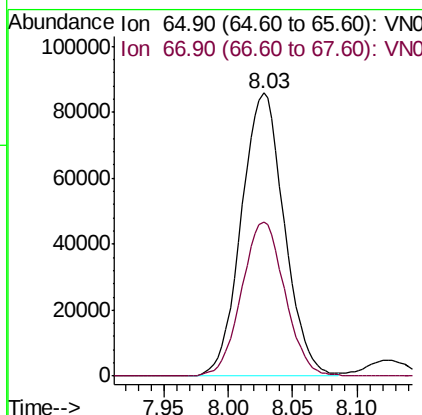
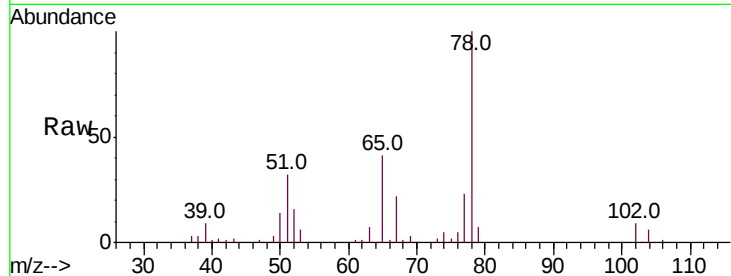
#33
 1,2-Dichloroethane-d4
 Concen: 46.709 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199125		
67	54.9	0.0	109.0	

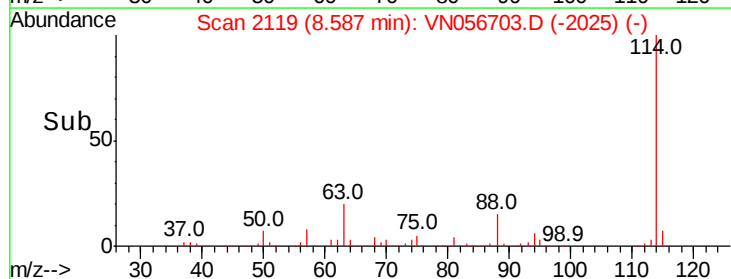
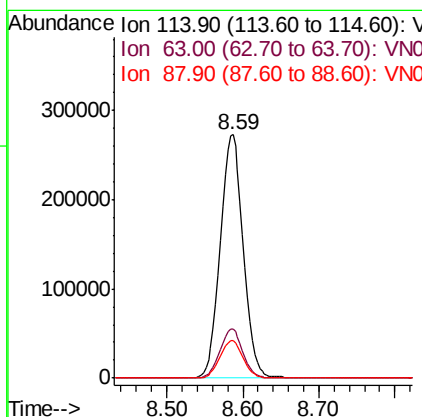
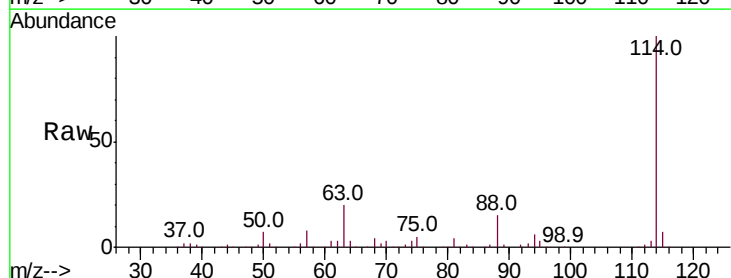
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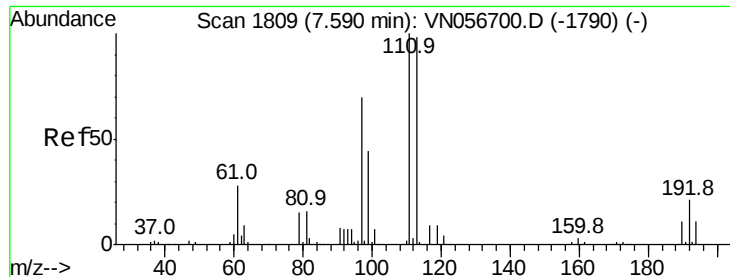
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	573226		
63	20.0	0.0	39.4	
88	15.4	0.0	31.2	





#35

Dibromofluoromethane

Concen: 48.980 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

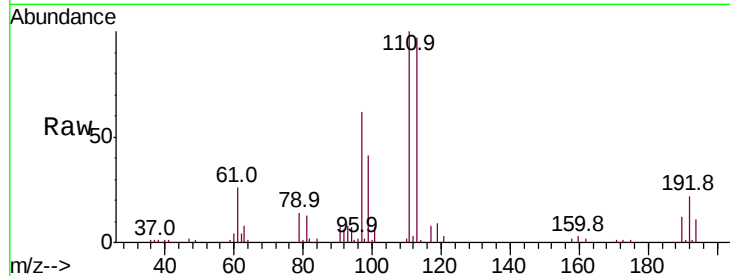
ClientSampleId :

ICVVN071519

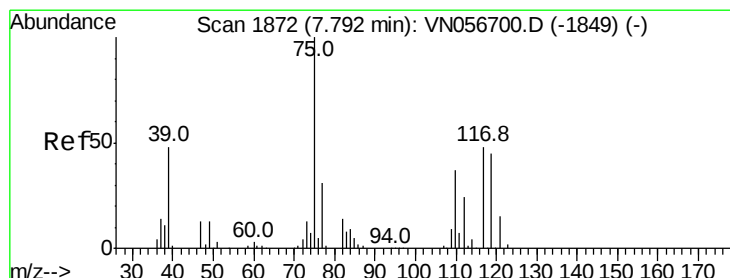
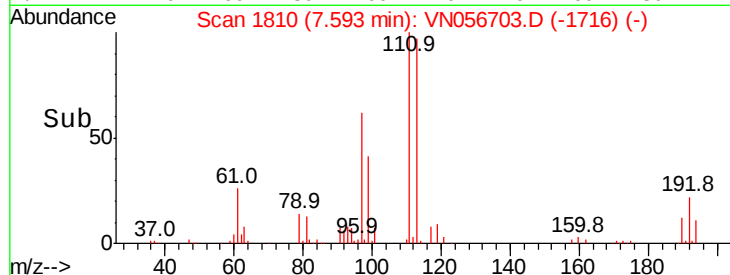
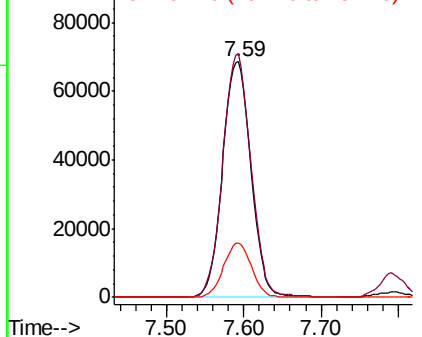
Tot Ion:	113	Resp:	174727
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.8	122.6
192	22.6	17.5	26.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.453 ug/l

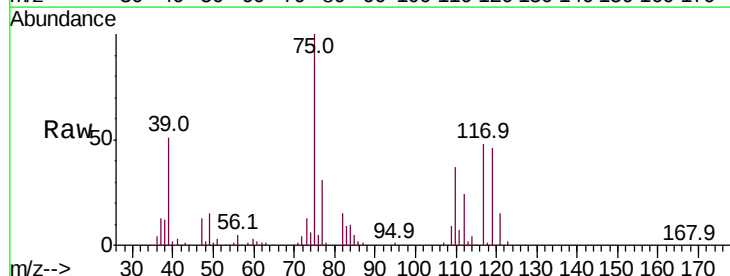
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

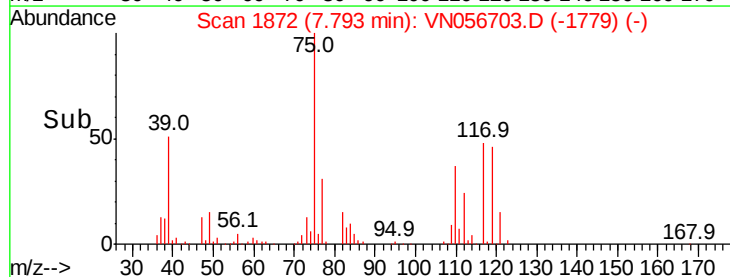
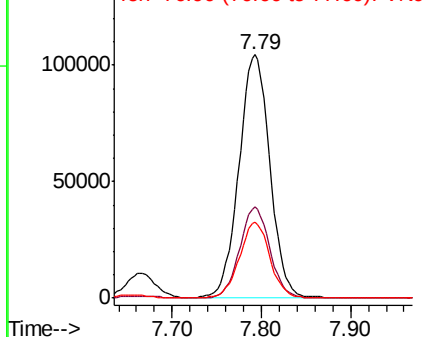
Lab File: VN056703.D

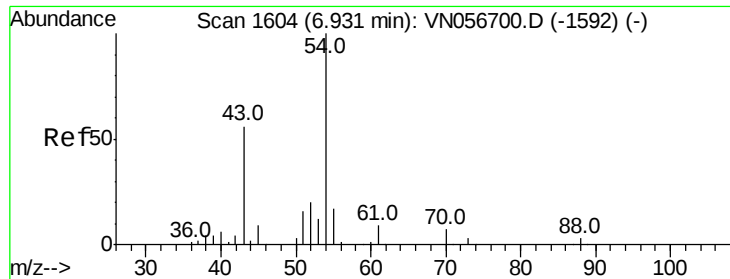
Acq: 15 Jul 2019 11:06

Tgt Ion:	75	Resp:	251712
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.4	55.4
77	30.8	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





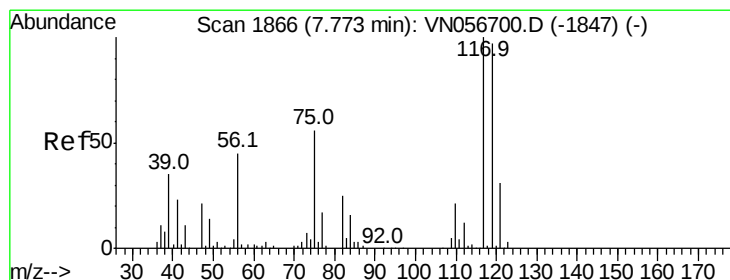
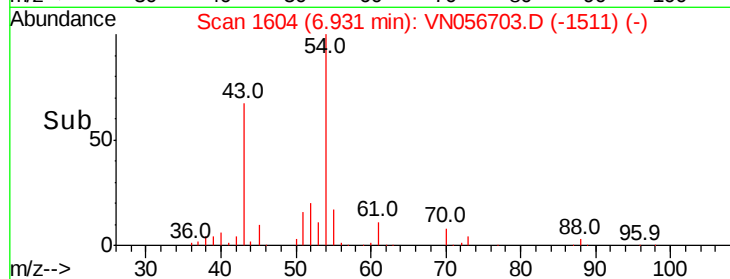
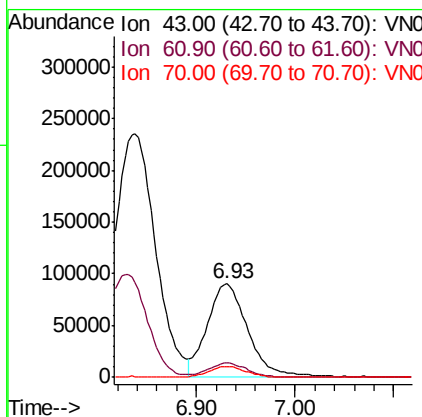
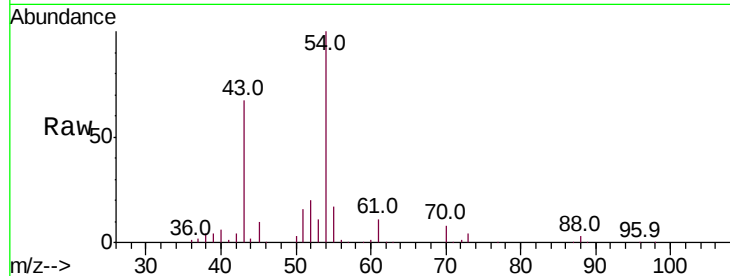
#37
Ethyl Acetate
Concen: 48.587 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.3	16.9
70	11.2	8.5	12.7

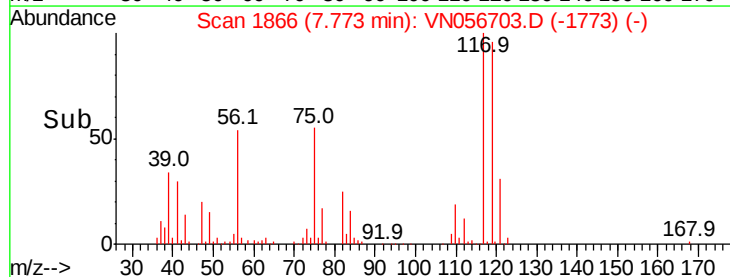
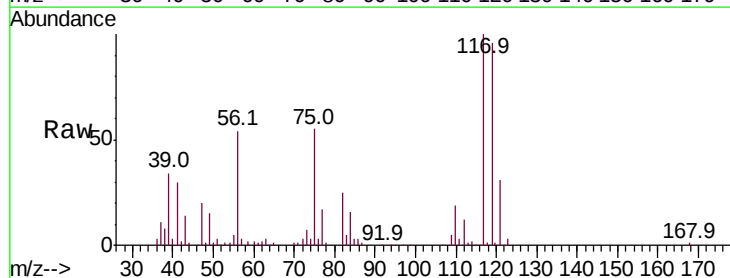
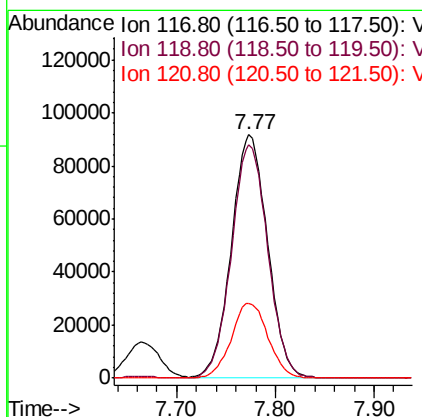
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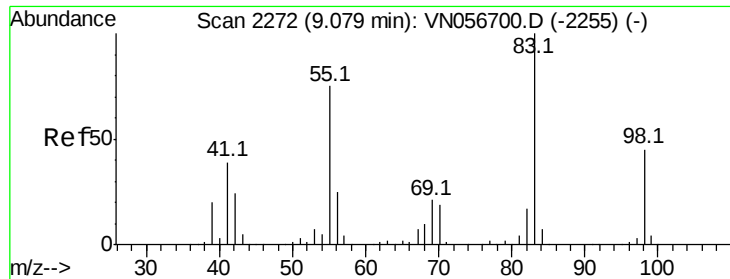
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#38
Carbon Tetrachloride
Concen: 47.120 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.5	116.3
121	30.8	24.7	37.1





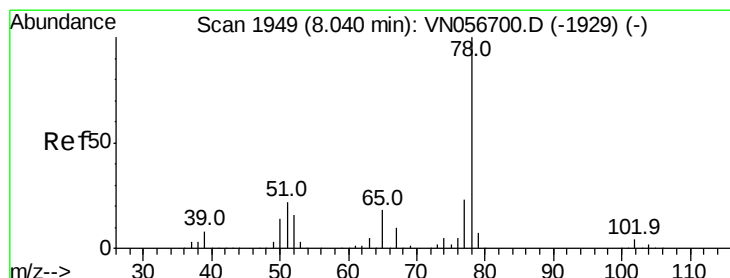
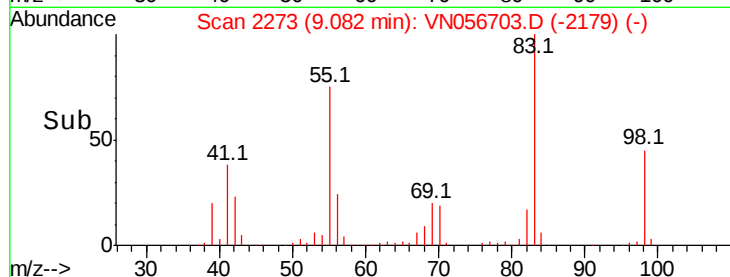
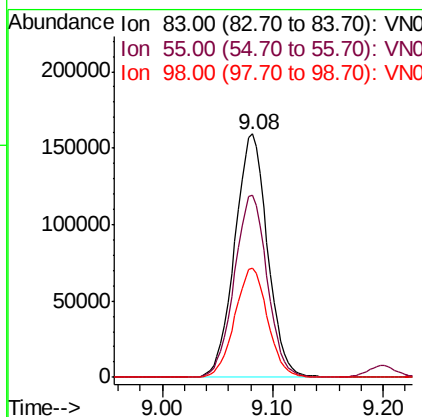
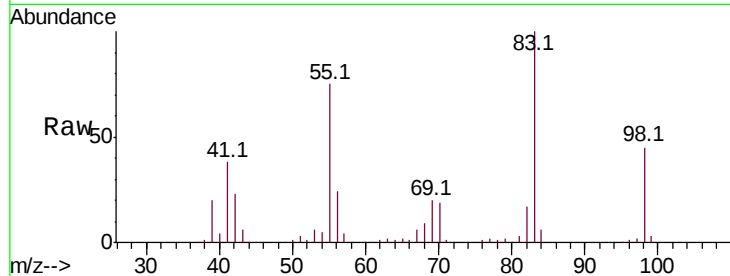
#39
Methvlcvclohexane
Concen: 49.984 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.1	60.4	90.6	
98	44.8	35.8	53.8	

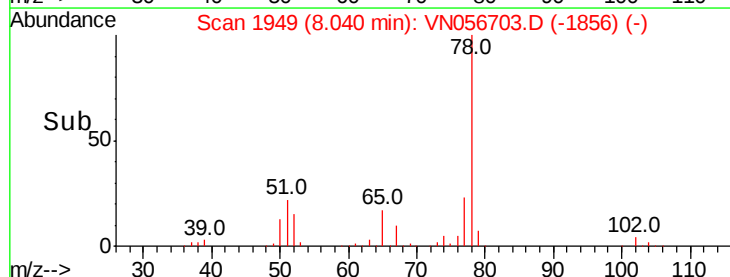
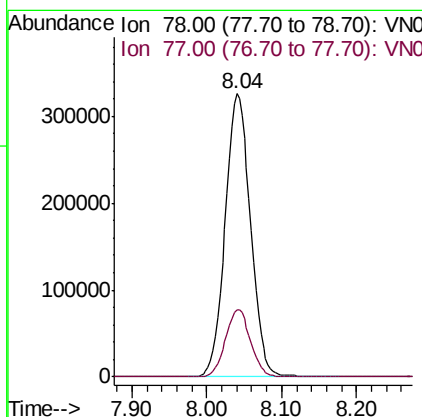
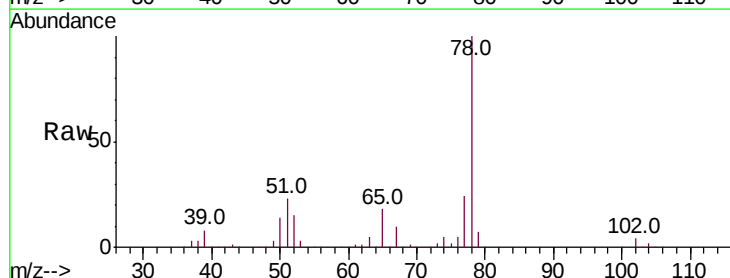
Manual Integrations
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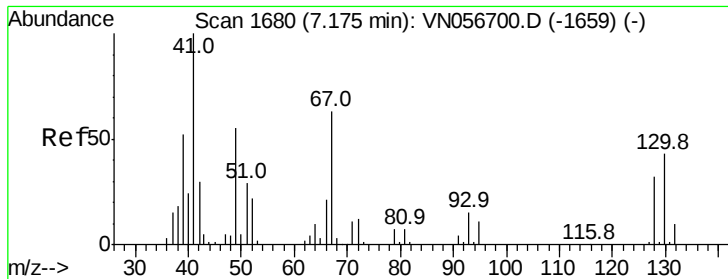
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#40
Benzene
Concen: 46.909 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.6	27.8	





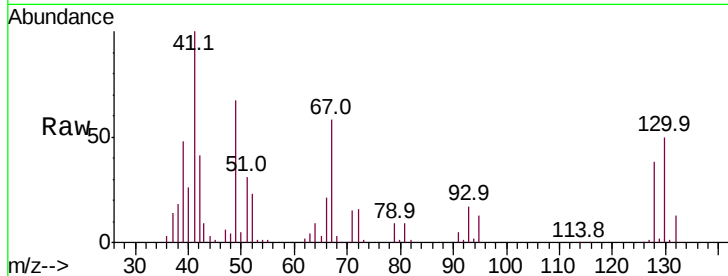
#41
Methacrylonitrile
Concen: 50.901 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

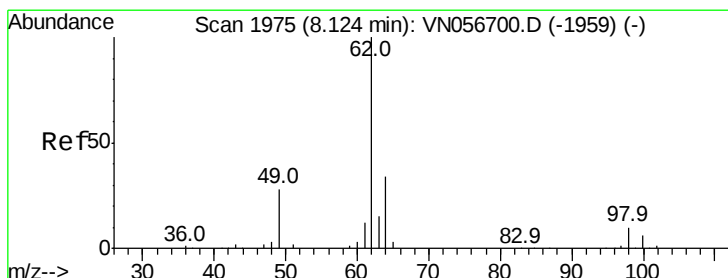
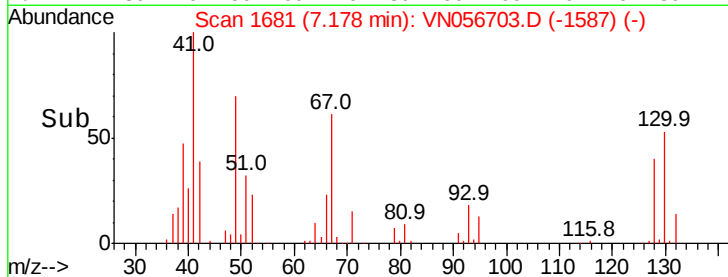
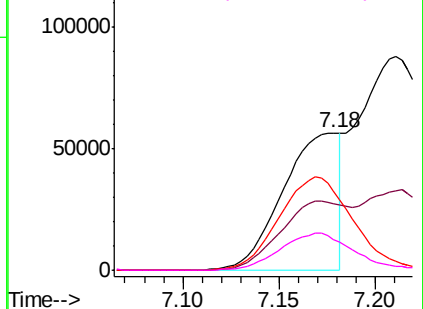
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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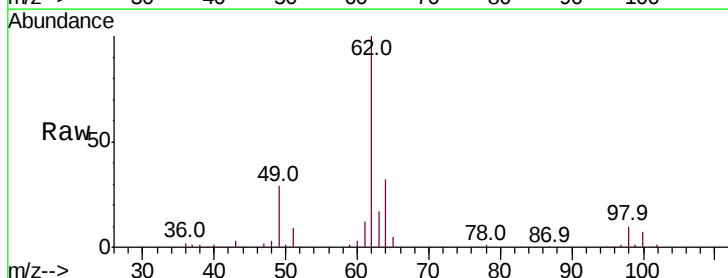


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

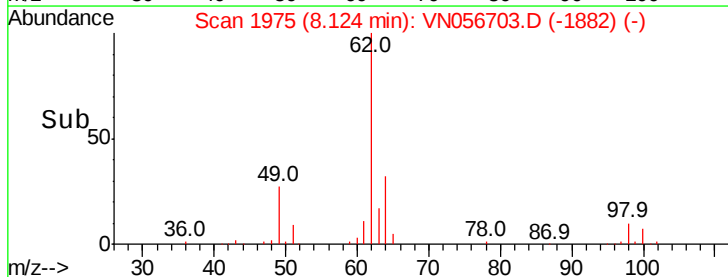
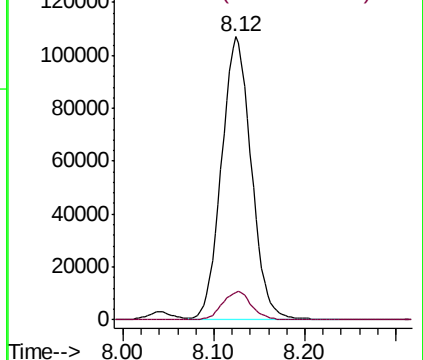


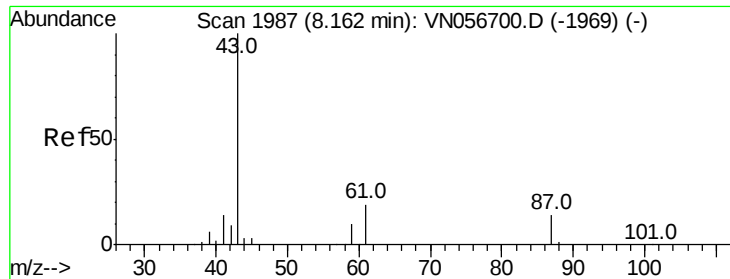
#42
1,2-Dichloroethane
Concen: 47.308 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 48.967 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

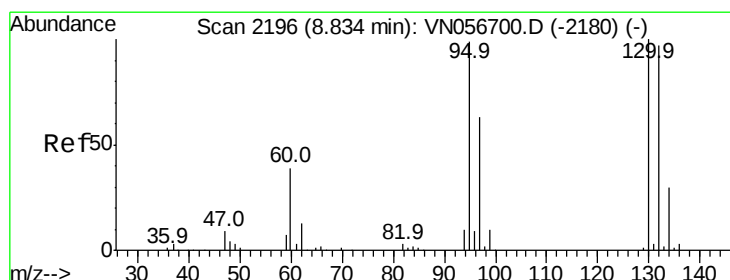
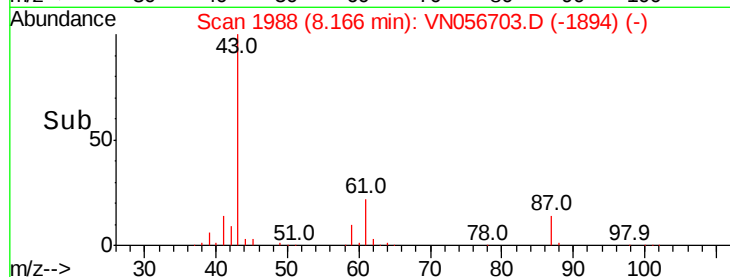
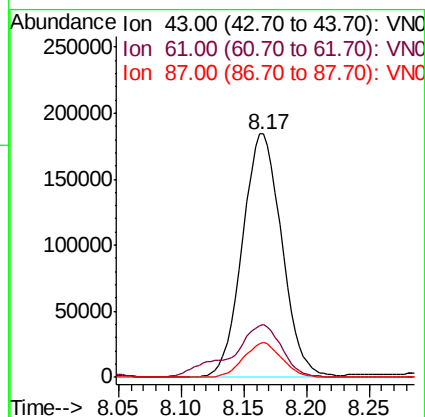
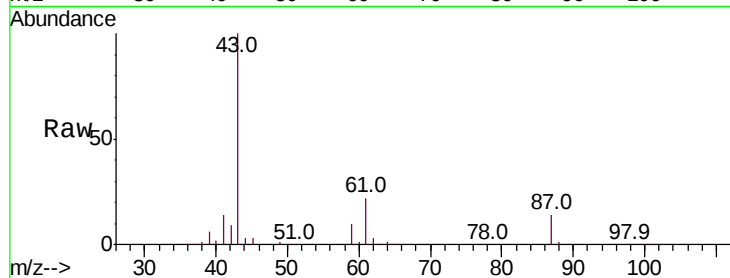
ClientSampleId :

ICVVN071519

Tot Ion:	43	Resp:	402454
Ion	Ratio	Lower	Upper
43	100		
61	27.7	22.3	33.5
87	14.0	11.1	16.7

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#44

Trichloroethene

Concen: 47.524 ug/l

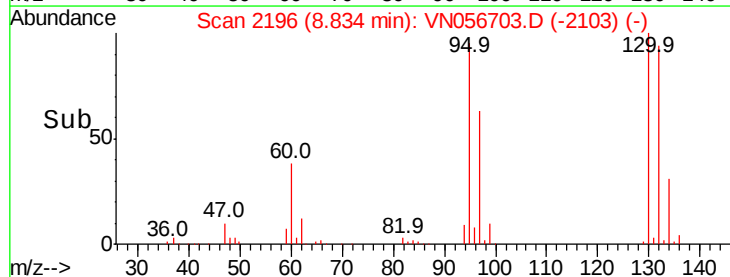
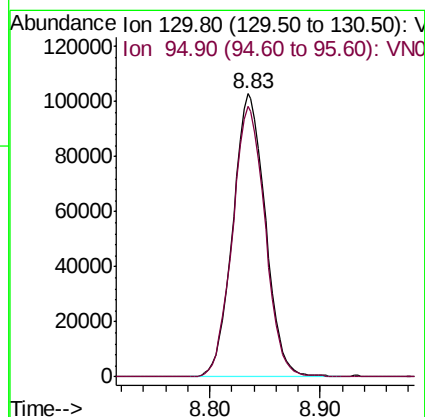
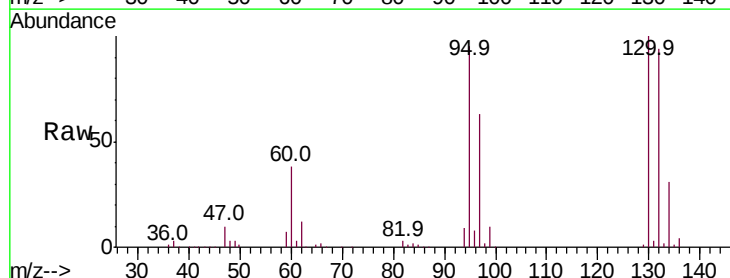
RT: 8.83 min Scan# 2196

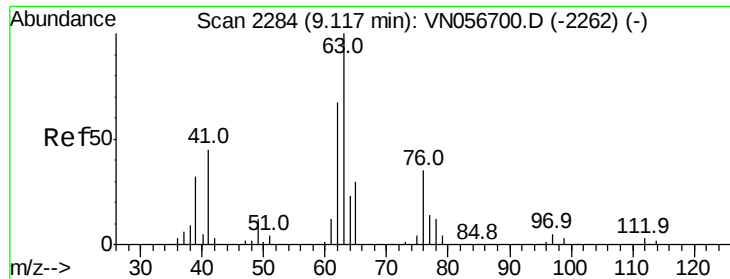
Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion:	130	Resp:	209750
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	197.2





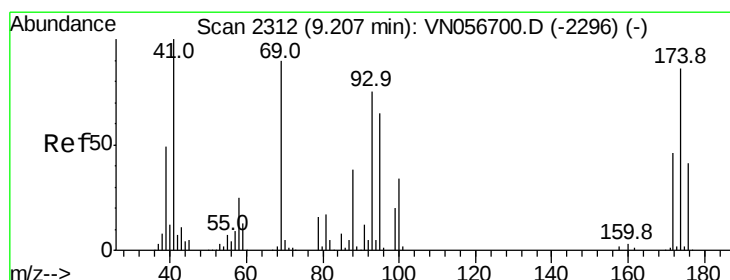
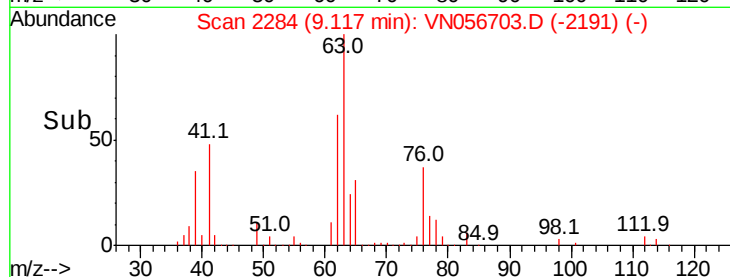
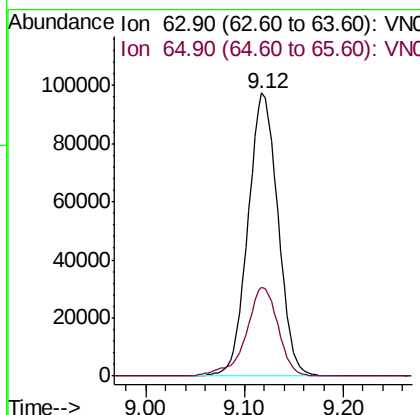
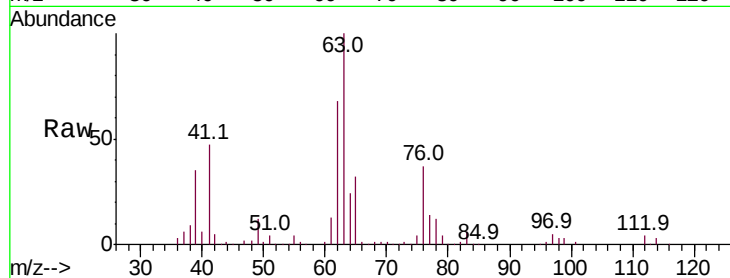
#45
 1,2-Dichloropropane
 Concen: 47.311 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.0	36.0

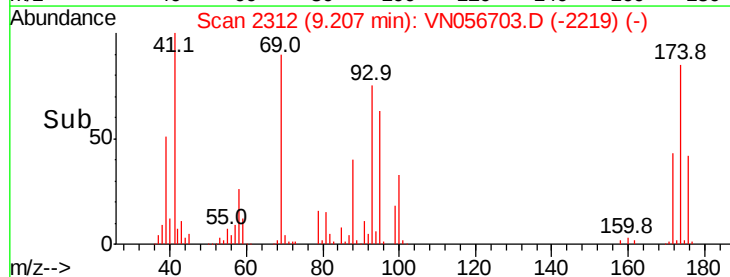
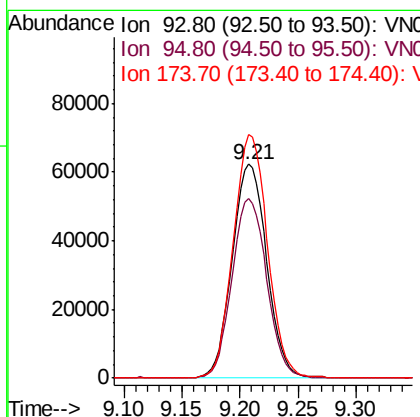
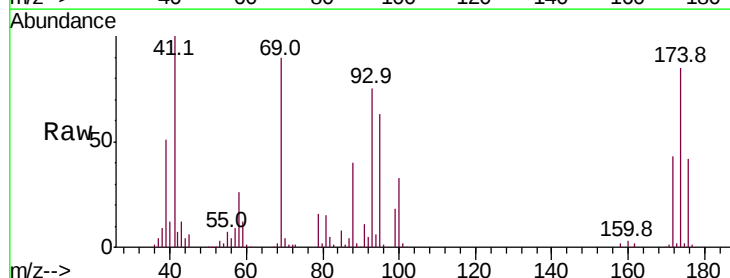
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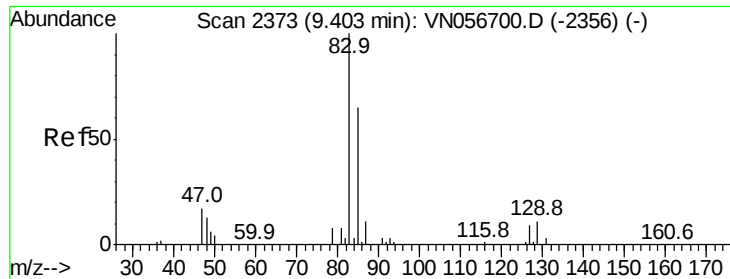
MMDadoda
 7/17/2019 1:31:26 AM



#46
 Dibromomethane
 Concen: 48.218 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.4	101.0
174	112.6	90.3	135.5





#47

Bromodichloromethane

Concen: 47.942 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

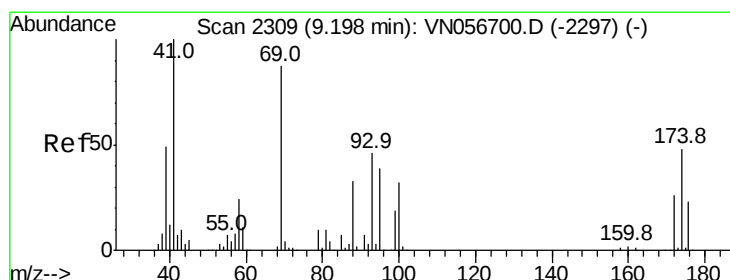
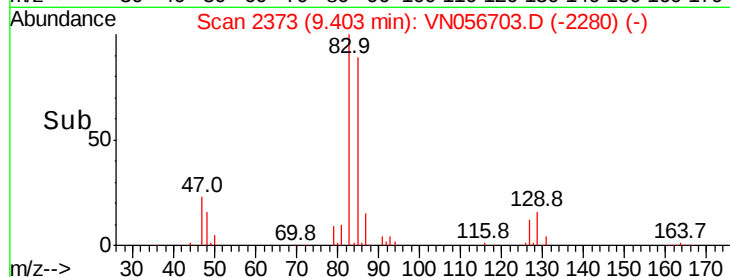
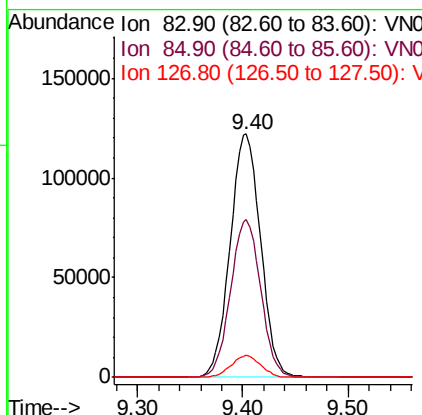
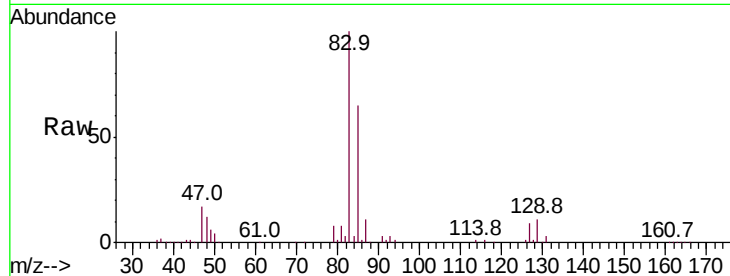
ClientSampleId :

ICVVN071519

Tot Ion:	83	Resp:	243817
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.3	78.5
127	8.9	7.6	11.4

Manual Integrations
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MMDadoda
7/17/2019 1:31:26 AM



#48

Methyl methacrylate

Concen: 48.594 ug/l

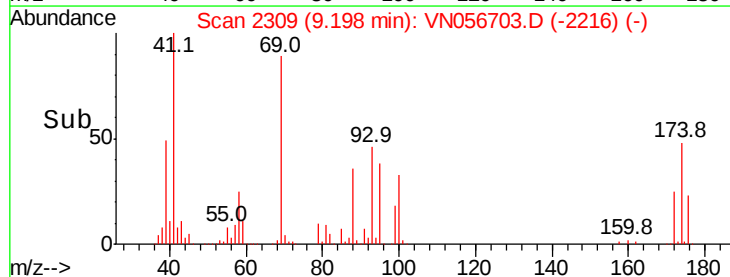
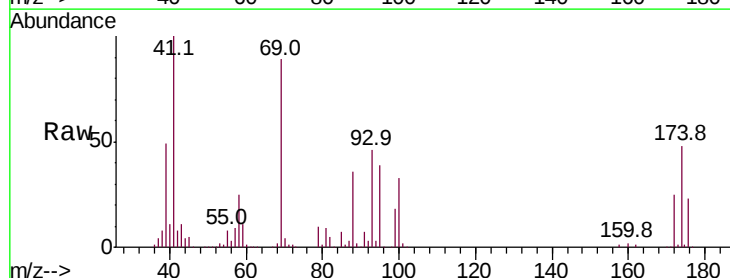
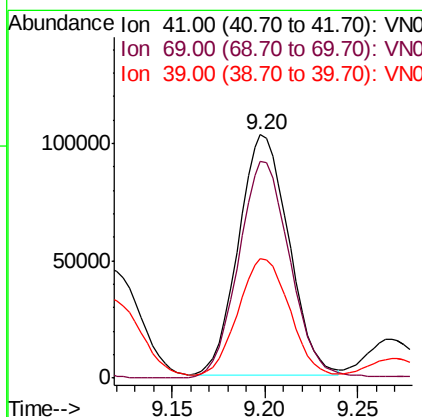
RT: 9.20 min Scan# 2309

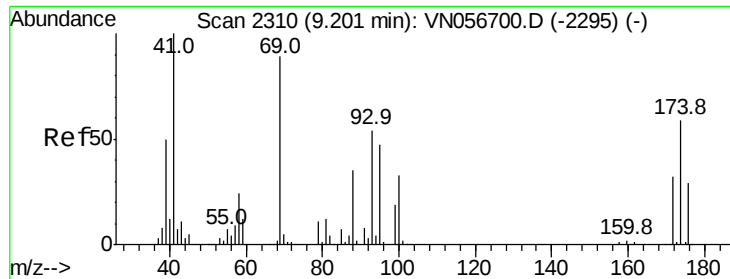
Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion:	41	Resp:	193149
Ion Ratio	Lower	Upper	
41	100		
69	92.9	71.4	107.0
39	51.6	41.2	61.8





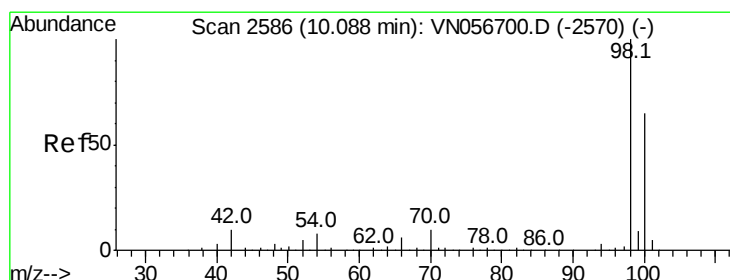
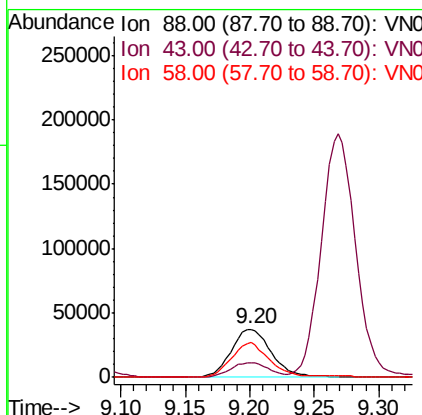
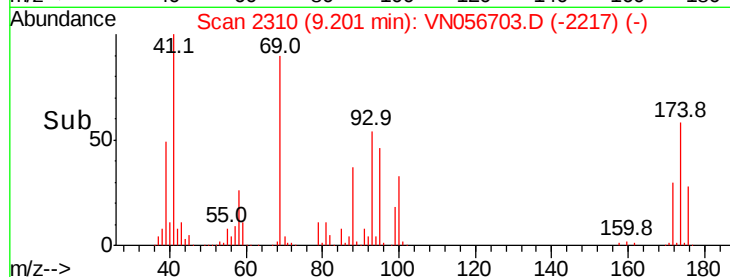
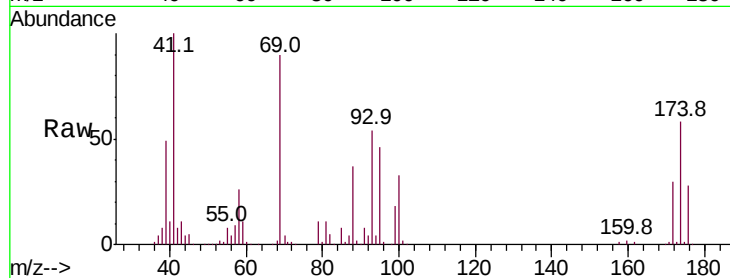
#49
 1,4-Dioxane
 Concen: 1000.421 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion	88	Resp	81592
Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.7	35.5
58	67.6	55.6	83.4

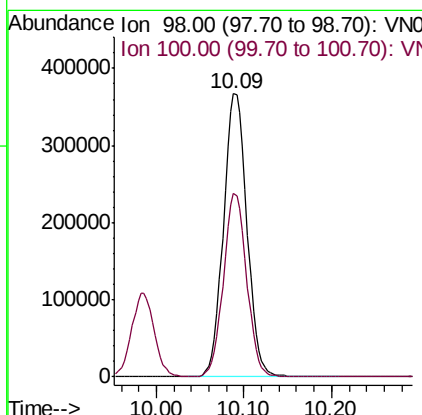
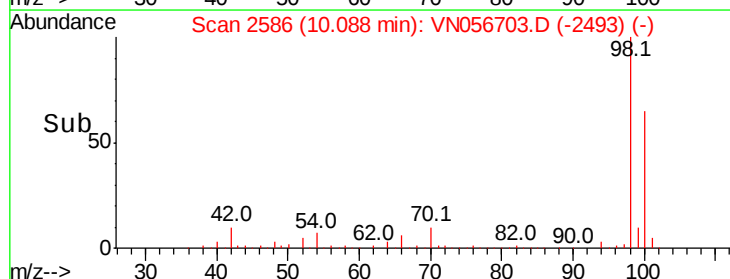
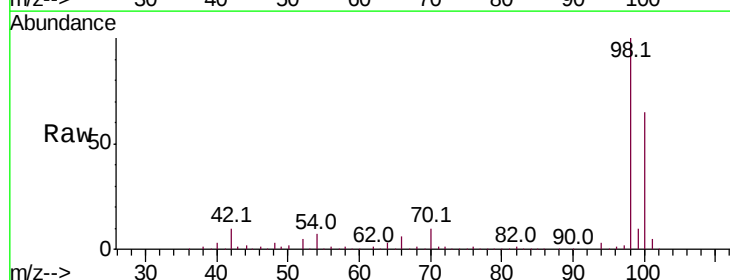
Manual Integrations
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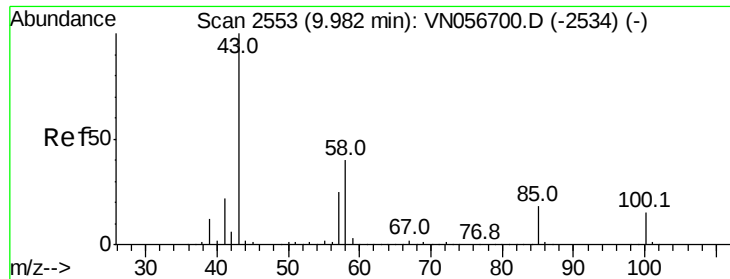
MMDadoda
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#50
 Toluene-d8
 Concen: 49.692 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion	98	Resp	684650
Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 239.875 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion: 43 Resp: 1276909

Ion Ratio Lower Upper

43 100

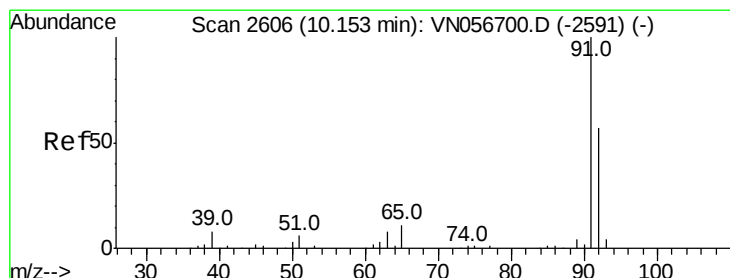
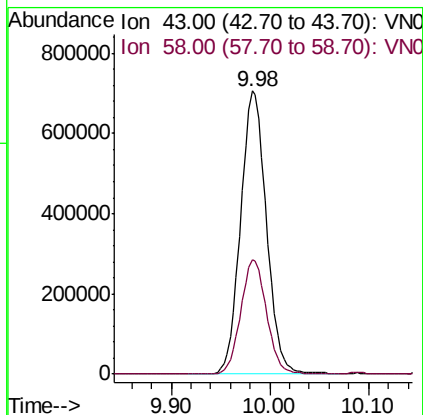
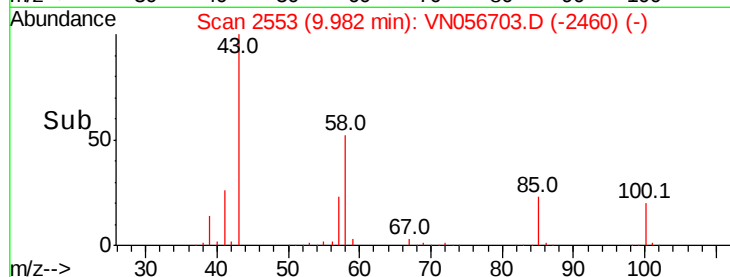
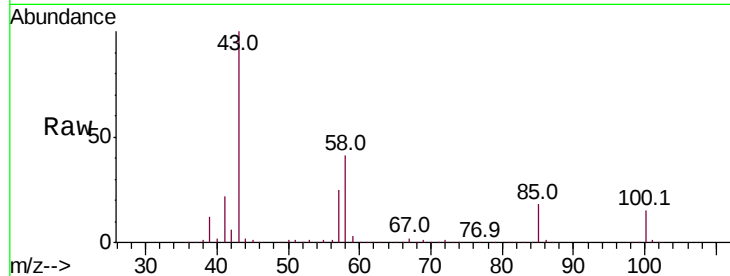
58 40.5 32.0 48.0

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#52

Toluene

Concen: 48.941 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056703.D

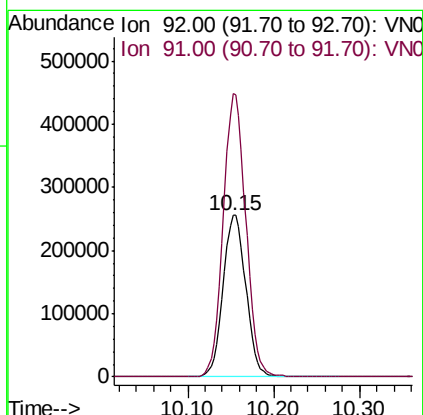
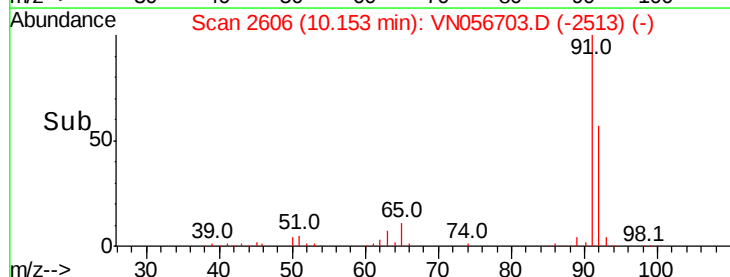
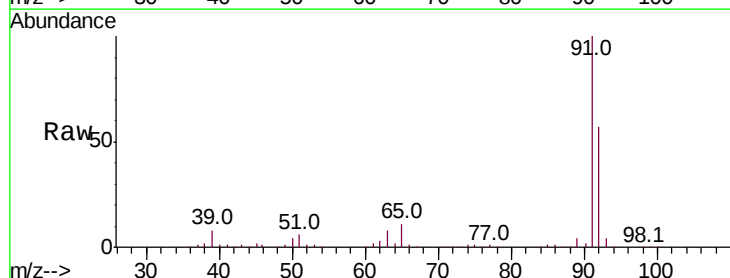
Acq: 15 Jul 2019 11:06

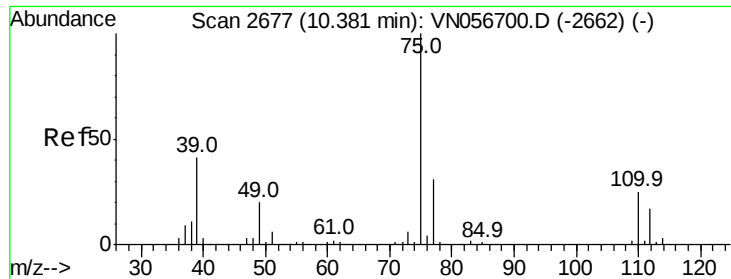
Tgt Ion: 92 Resp: 472393

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





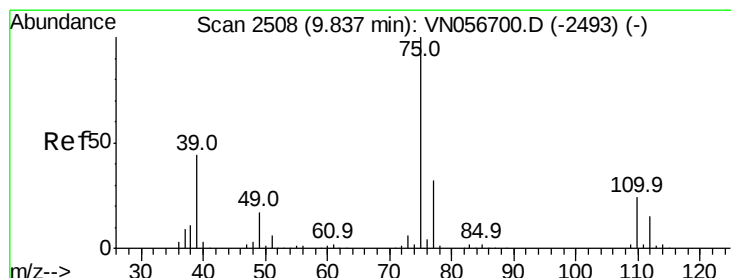
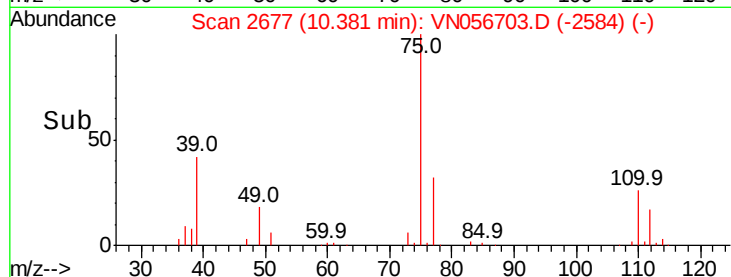
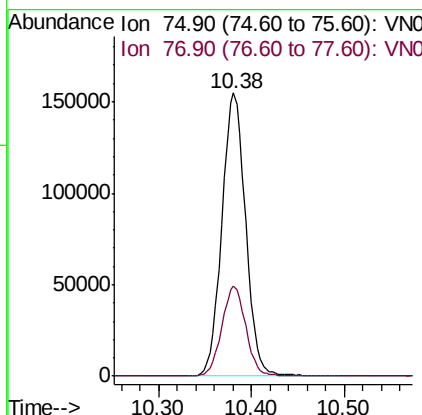
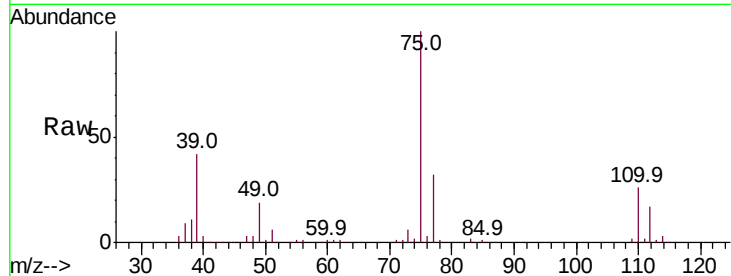
#53
t-1,3-Dichloropropene
Concen: 51.752 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion: 75 Resp: 274596
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

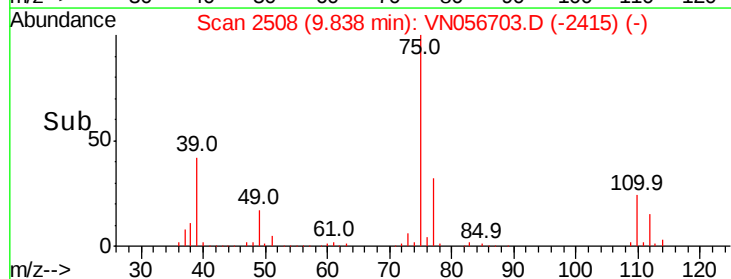
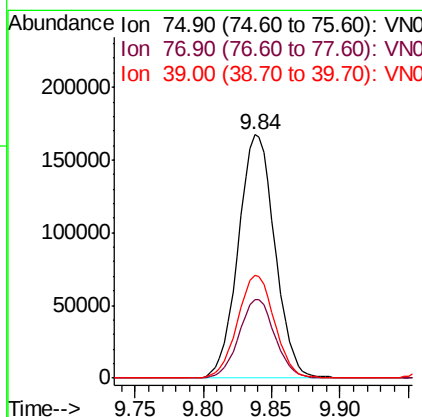
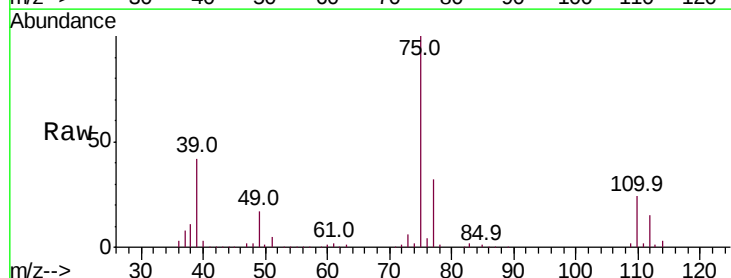
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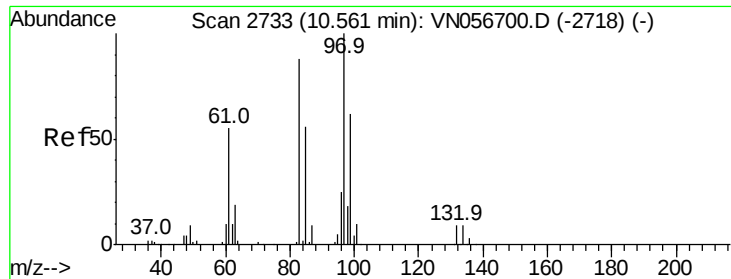
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#54
cis-1,3-Dichloropropene
Concen: 50.572 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 75 Resp: 311378
Ion Ratio Lower Upper
75 100
77 32.2 26.0 39.0
39 42.3 35.1 52.7





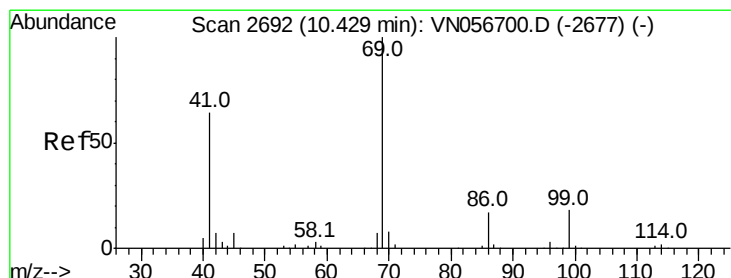
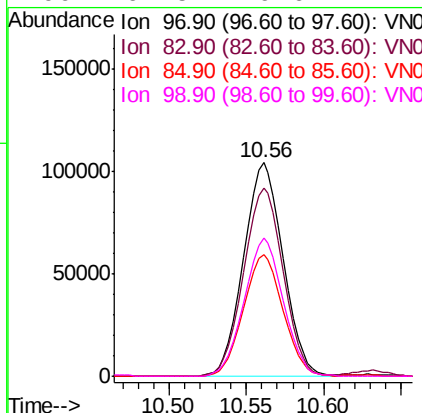
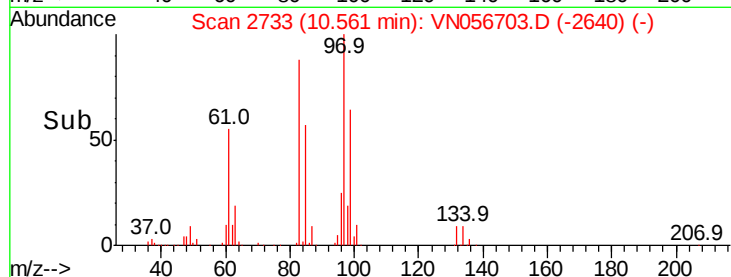
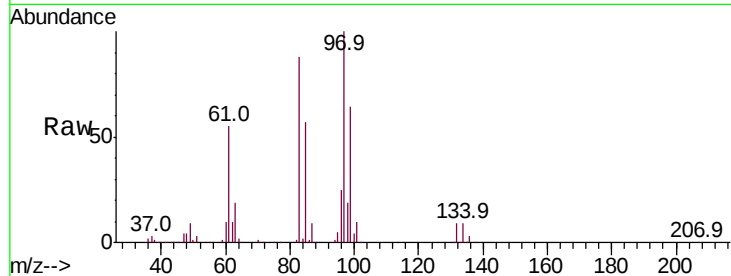
#55
 1,1,2-Trichloroethane
 Concen: 45.818 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion:	97	Resp:	185492
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.3	105.5
85	57.2	44.8	67.2
99	64.5	49.6	74.4

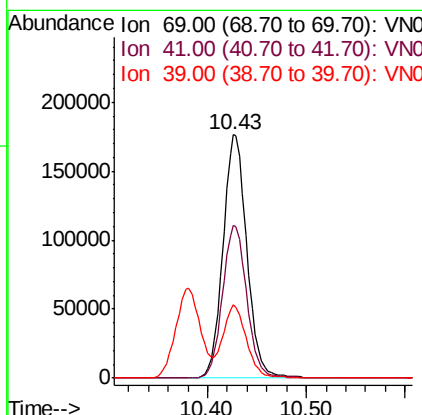
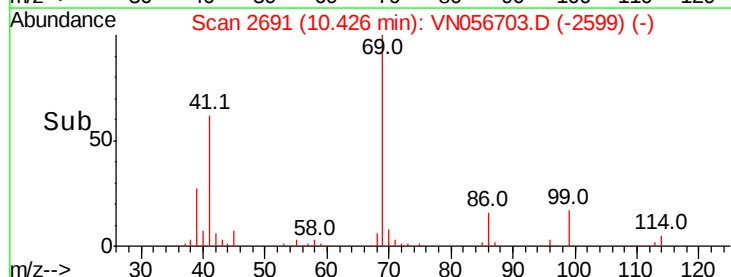
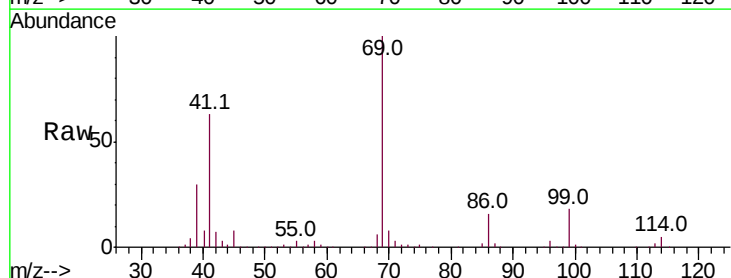
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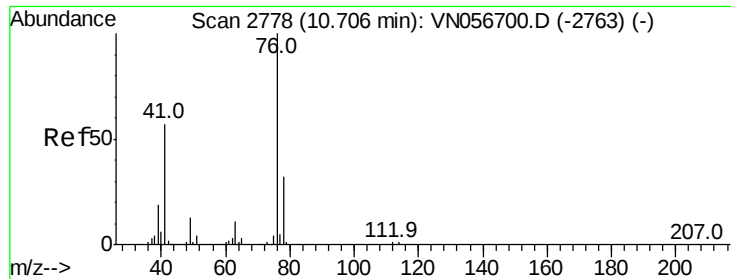
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#56
 Ethyl methacrylate
 Concen: 51.573 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion:	69	Resp:	300425
Ion	Ratio	Lower	Upper
69	100		
41	62.8	51.0	76.4
39	30.1	24.6	36.8





#57

1,3-Dichloropropane

Concen: 47.734 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion: 76 Resp: 315629

Ion Ratio Lower Upper

76 100

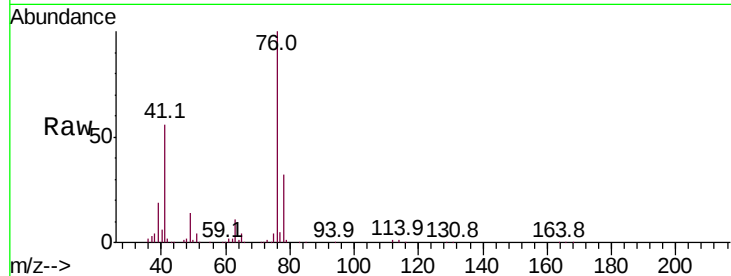
78 32.3 26.0 39.0

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

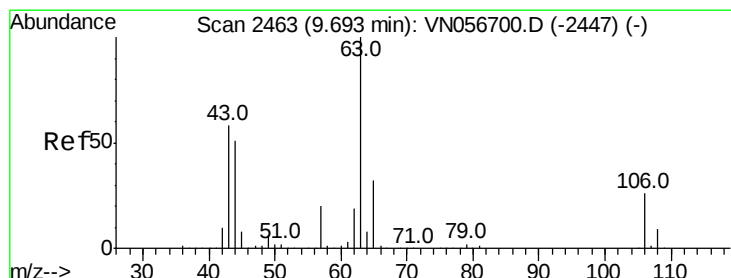
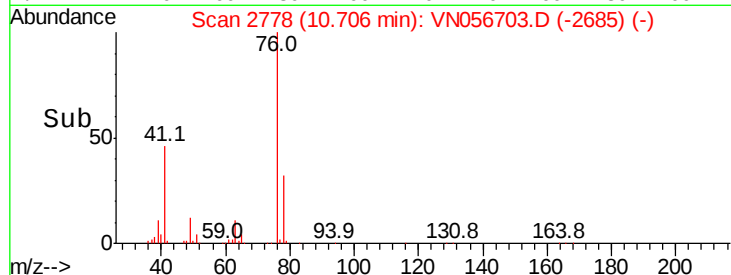
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 254.005 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056703.D

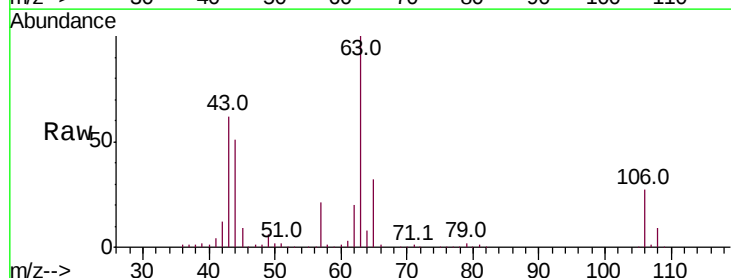
Acq: 15 Jul 2019 11:06

Tgt Ion: 63 Resp: 711514

Ion Ratio Lower Upper

63 100

106 27.4 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

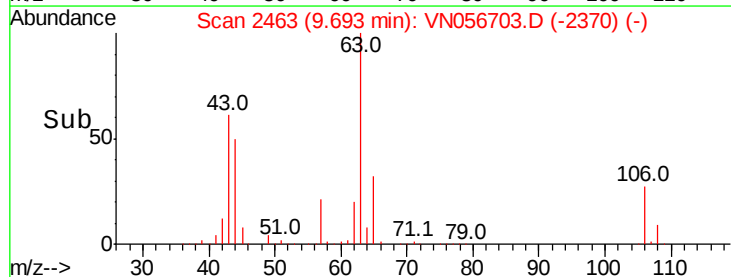
300000

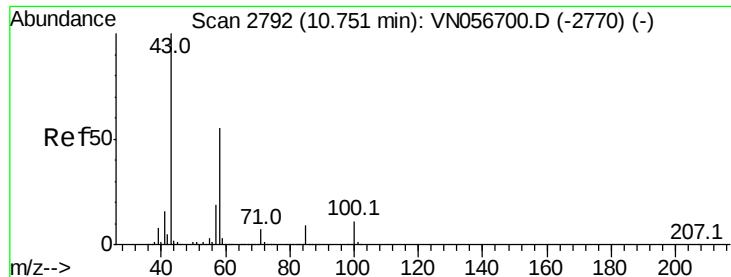
200000

100000

0

Time--> 9.60 9.70 9.80





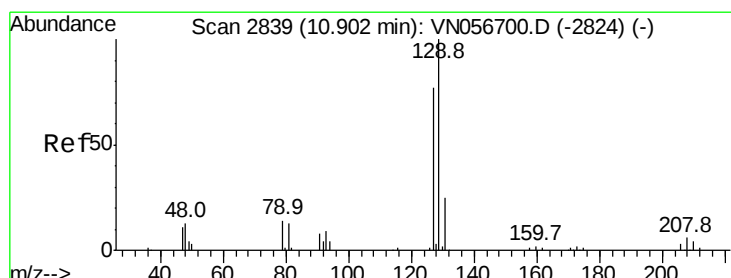
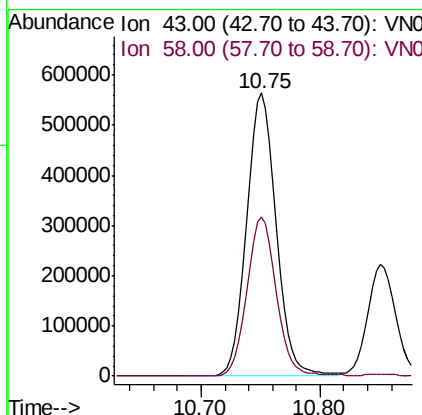
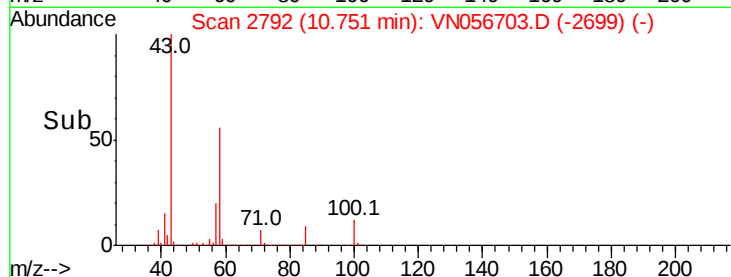
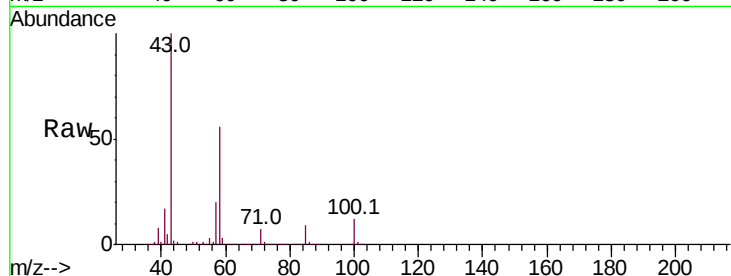
#59
2-Hexanone
Concen: 253.543 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion: 43 Resp: 968433
Ion Ratio Lower Upper
43 100
58 56.0 27.9 83.6

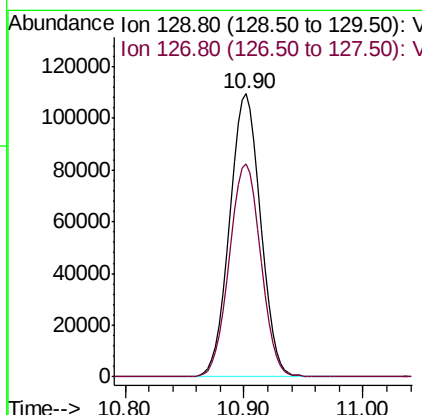
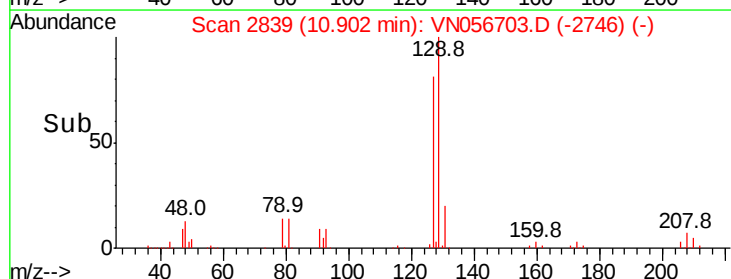
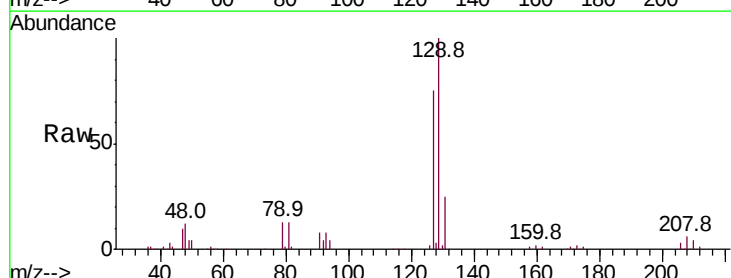
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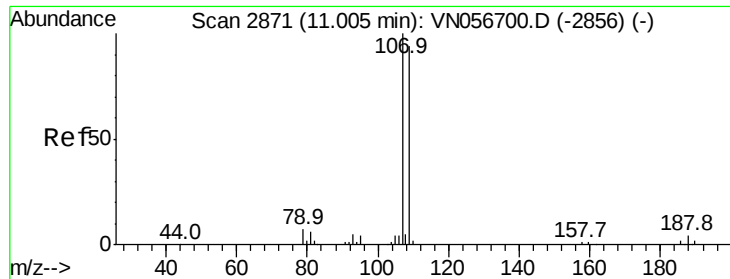
MMDadoda
7/17/2019 1:31:26 AM



#60
Dibromochloromethane
Concen: 49.649 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 129 Resp: 197682
Ion Ratio Lower Upper
129 100
127 76.8 38.2 114.6





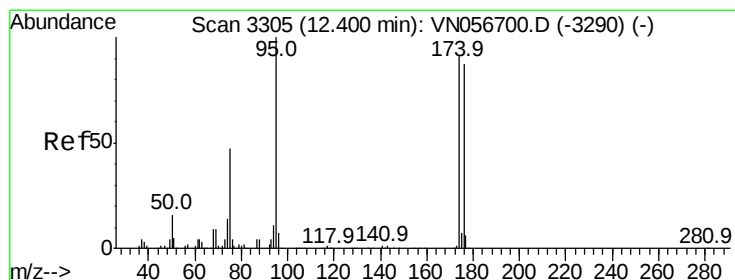
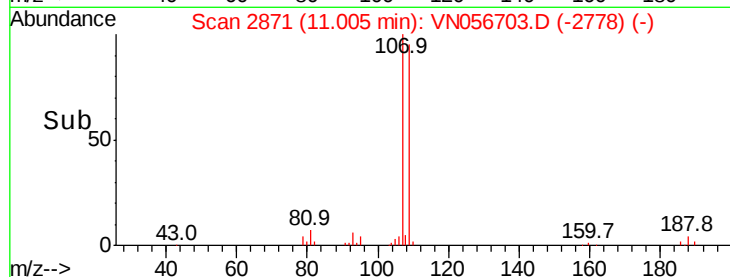
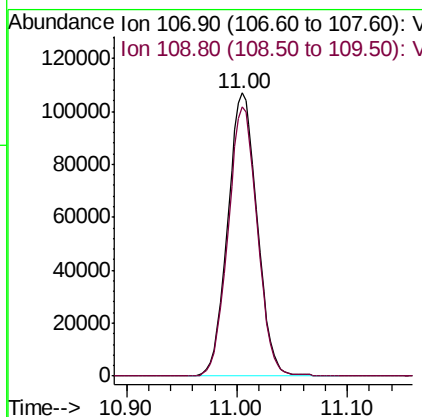
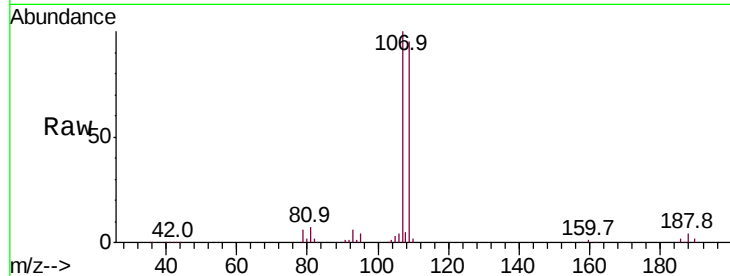
#61
 1,2-Dibromoethane
 Concen: 49.155 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion: 107 Resp: 197773
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.2 114.4

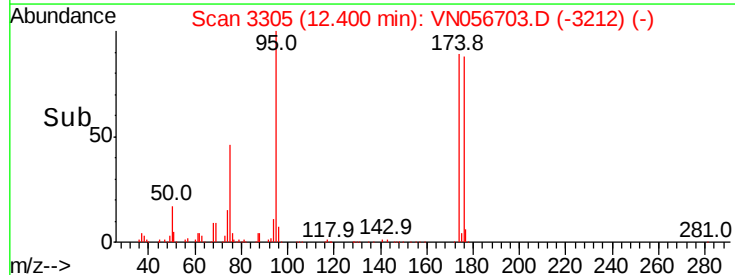
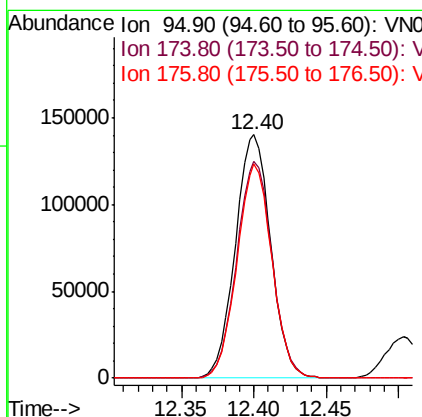
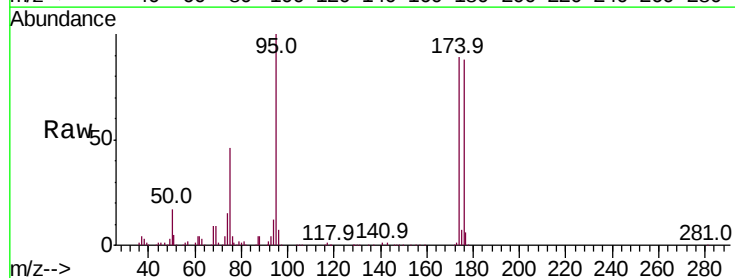
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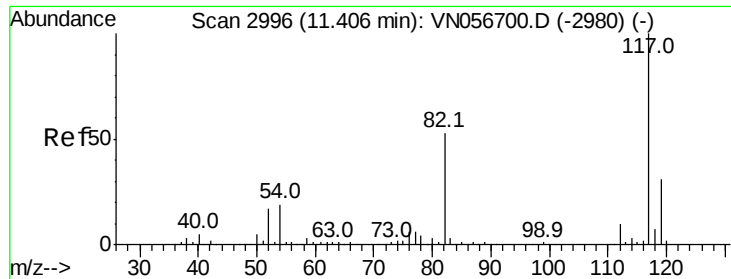
MMDadoda
 7/17/2019 1:31:26 AM



#62
 4-Bromofluorobenzene
 Concen: 51.073 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 95 Resp: 237303
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 180.0
 176 87.0 0.0 173.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

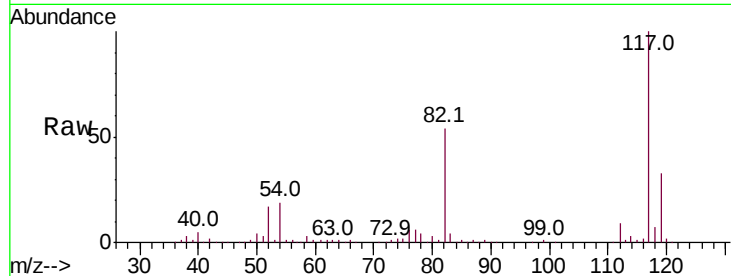
ClientSampleId :

ICVVN071519

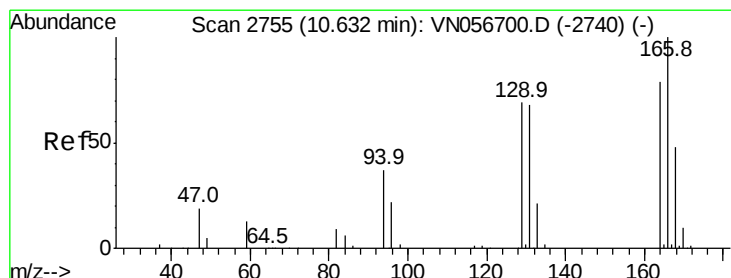
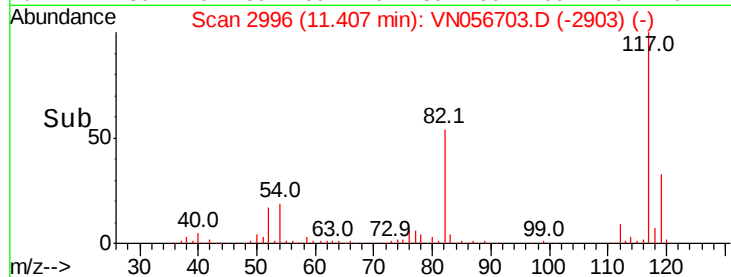
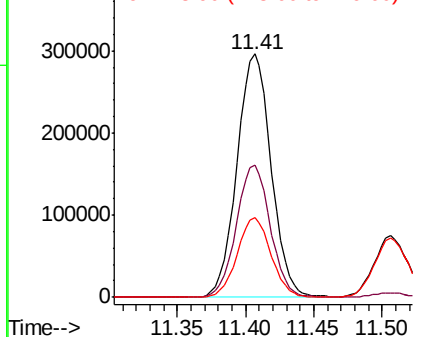
Tot Ion:	117	Resp:	515493
Ion Ratio	Lower	Upper	
117	100		
82	54.1	42.2	63.2
119	32.6	25.2	37.8

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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: 45.401 ug/l

RT: 10.63 min Scan# 2755

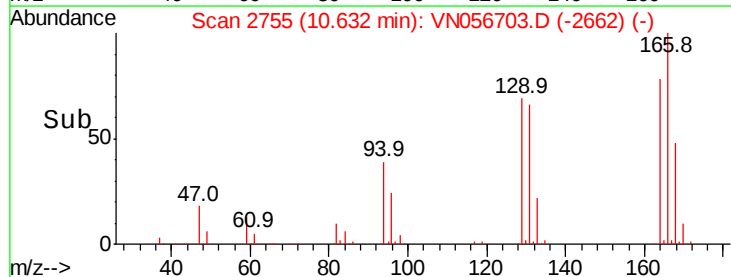
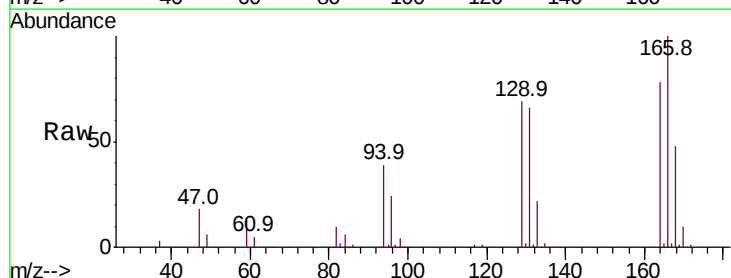
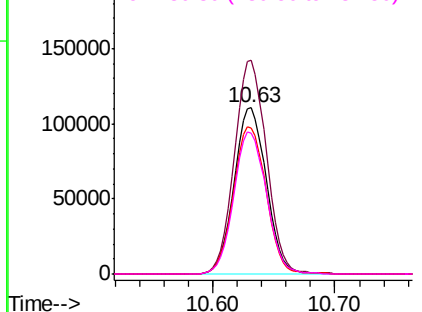
Delta R.T. 0.00 min

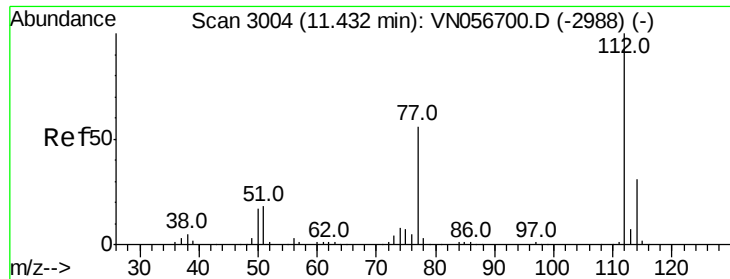
Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion:	164	Resp:	201909
Ion Ratio	Lower	Upper	
164	100		
166	128.7	101.4	152.2
129	88.3	69.6	104.4
131	85.1	69.0	103.4

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





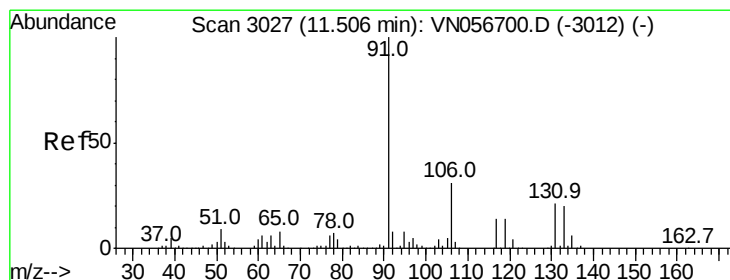
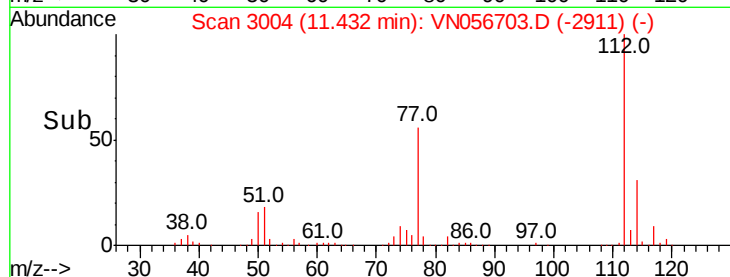
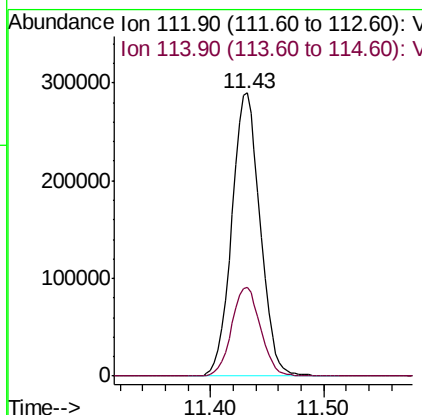
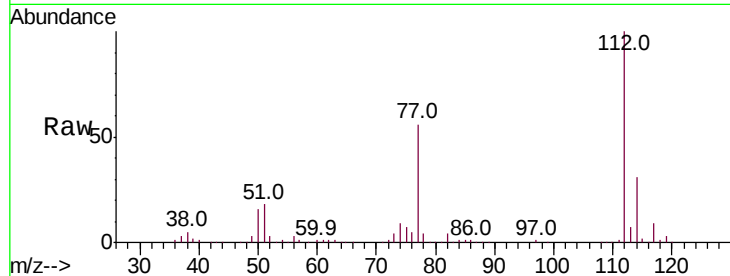
#65
Chlorobenzene
Concen: 47.978 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion:112 Resp: 505709
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

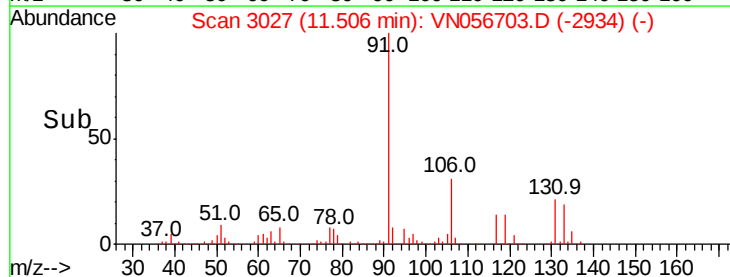
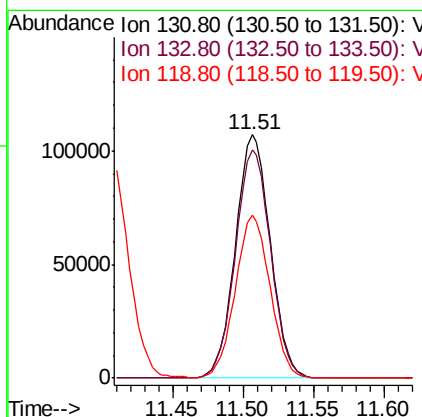
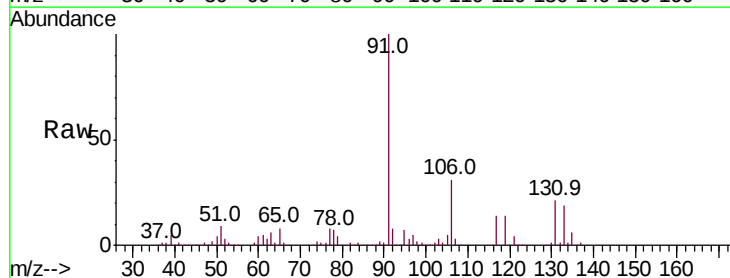
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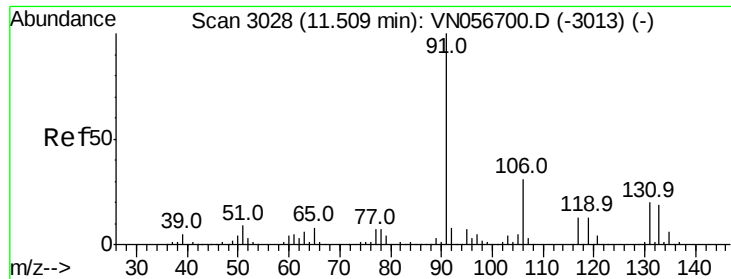
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.892 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion:131 Resp: 185865
Ion Ratio Lower Upper
131 100
133 94.8 46.9 140.7
119 66.8 32.8 98.3





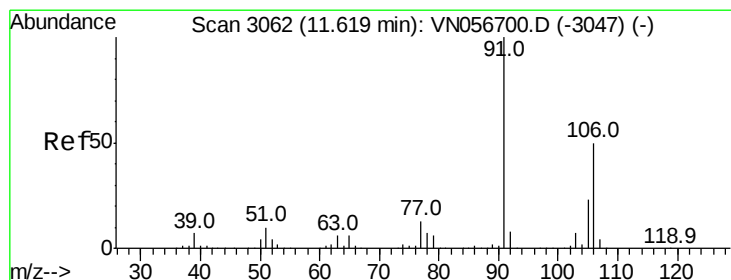
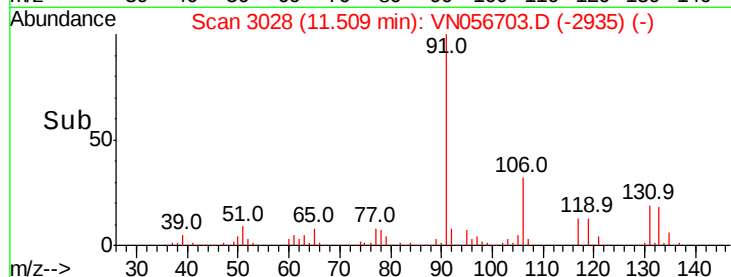
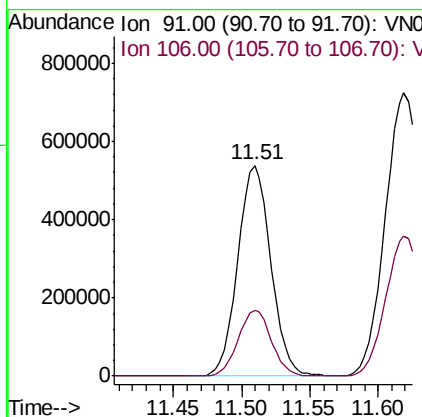
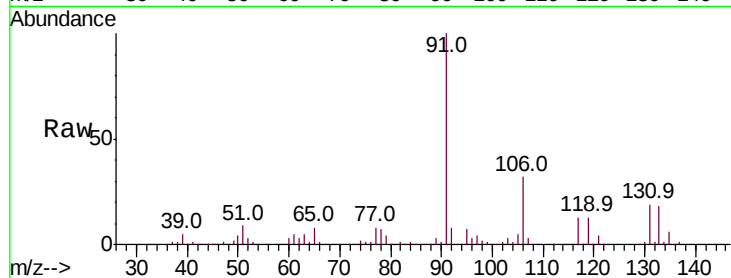
#67
Ethyl Benzene
Concen: 48.993 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion: 91 Resp: 907537
Ion Ratio Lower Upper
91 100
106 31.6 24.8 37.2

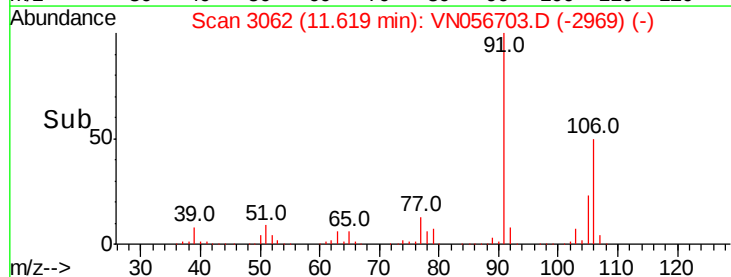
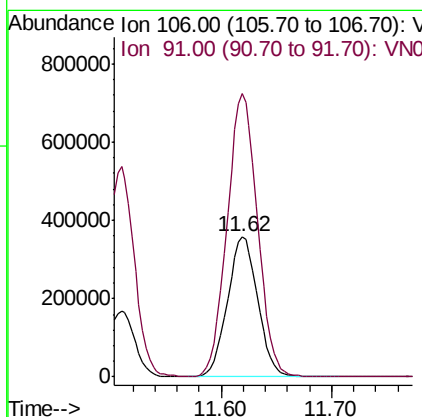
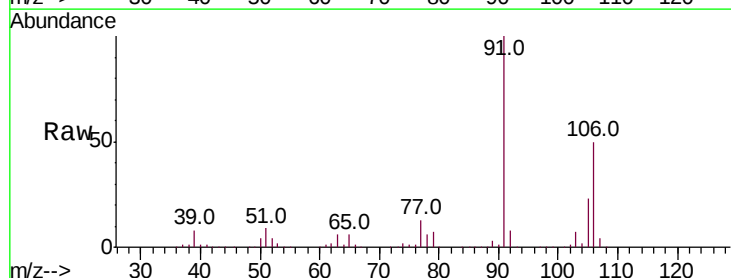
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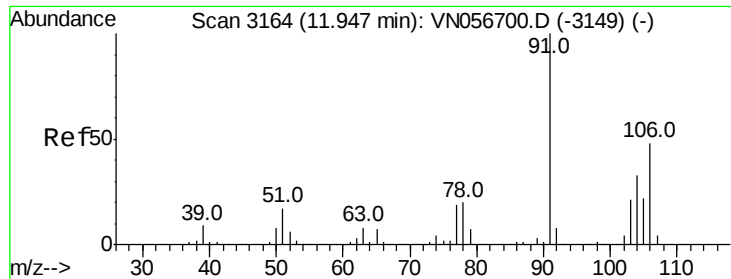
MMDadoda
7/17/2019 1:31:26 AM



#68
m/p-Xylenes
Concen: 98.394 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion: 106 Resp: 681164
Ion Ratio Lower Upper
106 100
91 202.7 160.5 240.7





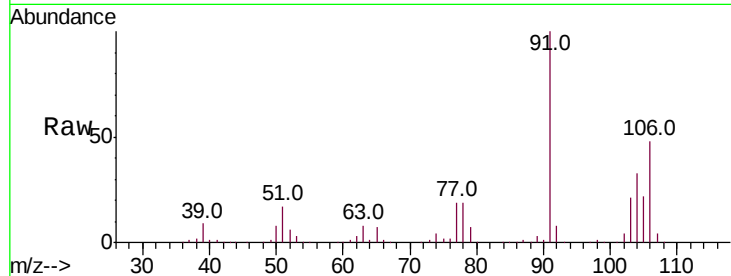
#69
o-Xylene
Concen: 48.759 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

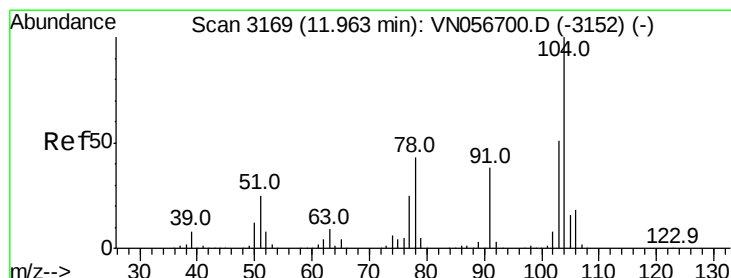
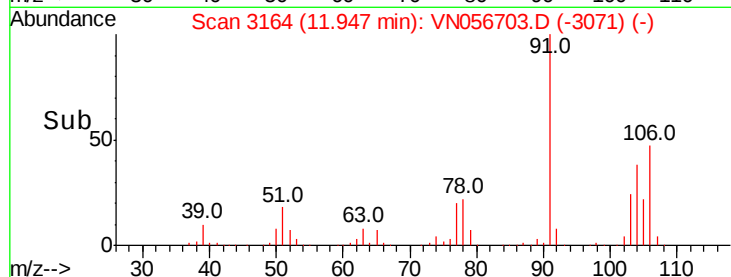
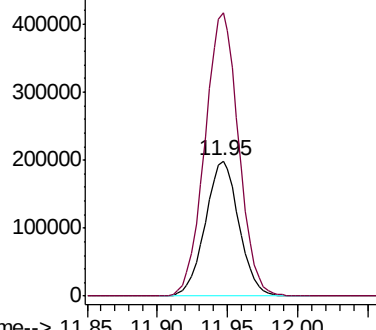
Tot Ion:106 Resp: 331857
Ion Ratio Lower Upper
106 100
91 210.3 105.6 316.8

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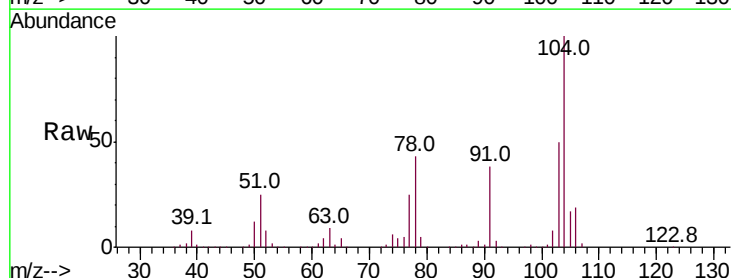


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

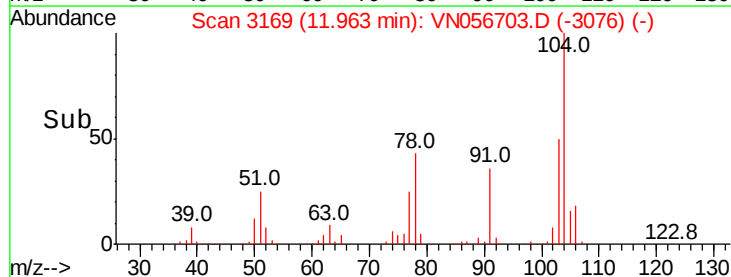
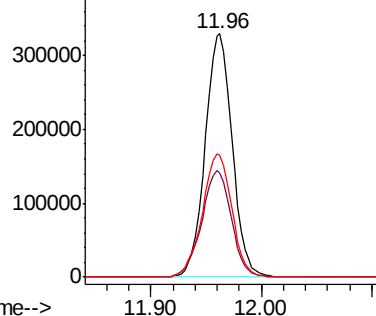


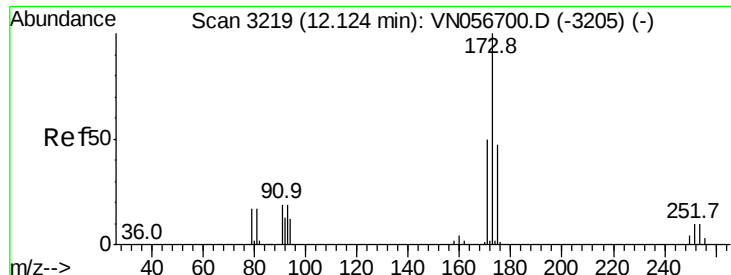
#70
Styrene
Concen: 50.886 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion:104 Resp: 559916
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.2 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





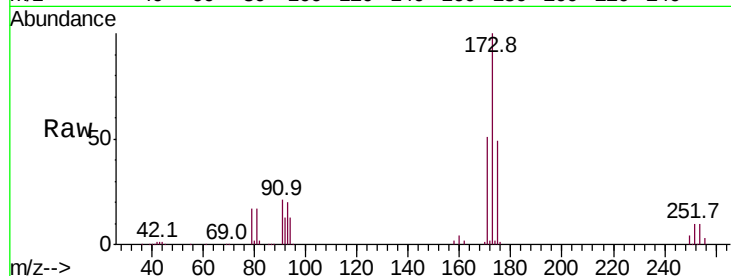
#71
Bromoform
Concen: 50.053 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

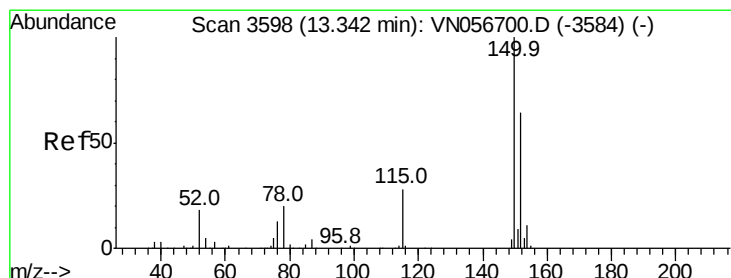
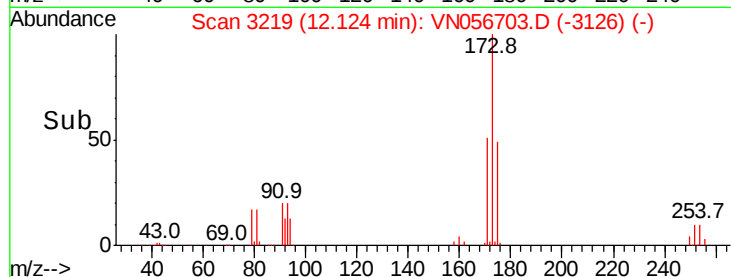
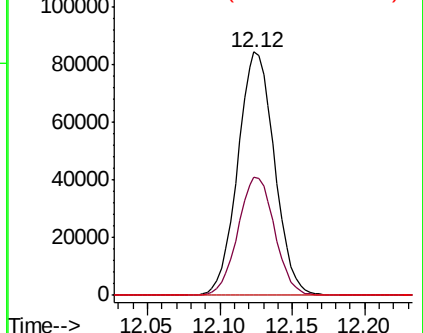
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.4
254	0.1	0.0	0.0#

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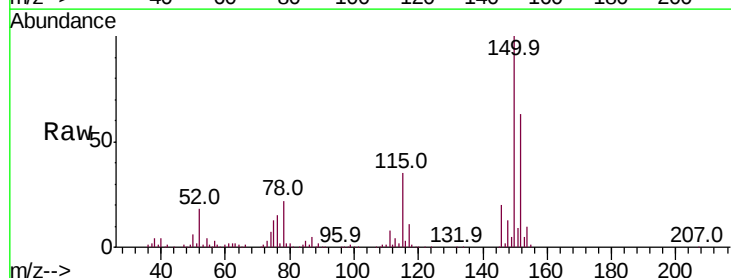


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

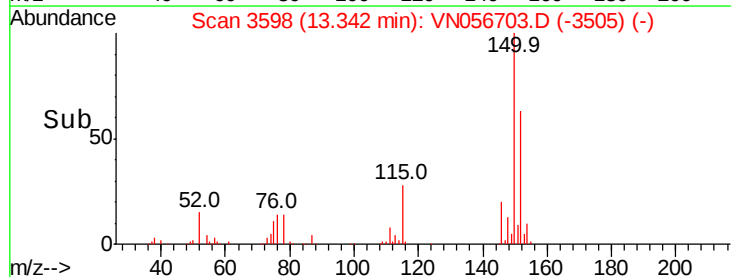
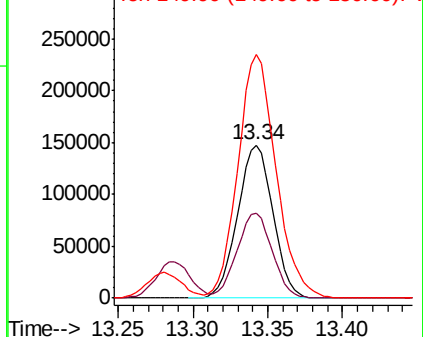


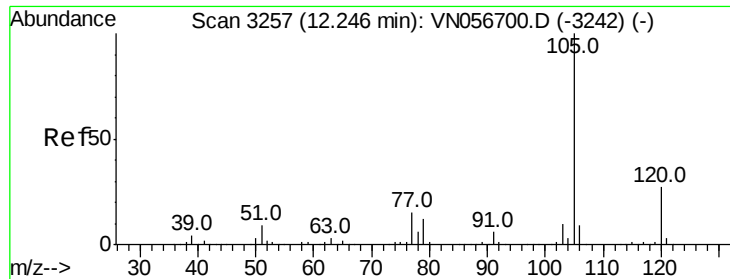
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.2	84.7
150	172.2	0.0	345.8



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: 44.721 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion:105 Resp: 873682

Ion Ratio Lower Upper

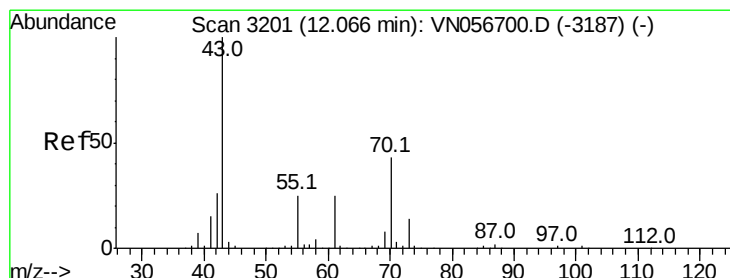
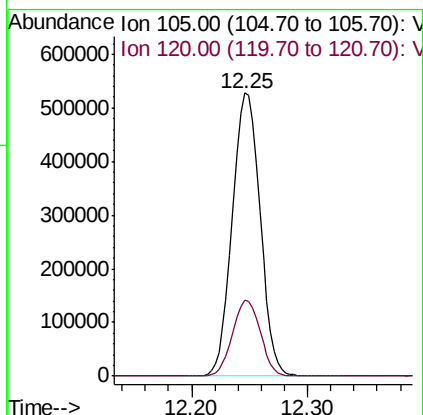
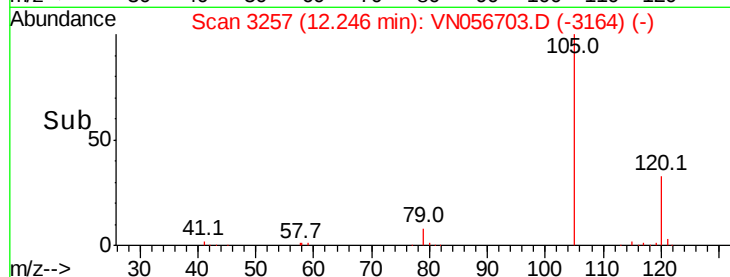
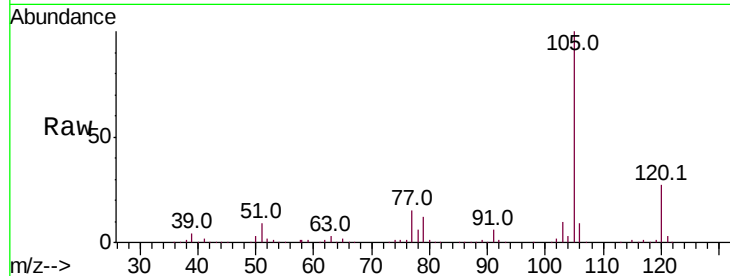
105 100

120 26.8 13.4 40.2

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#74

N-ethyl acetate

Concen: 46.969 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion: 43 Resp: 341738

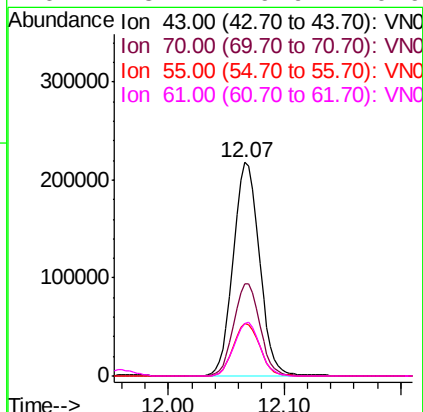
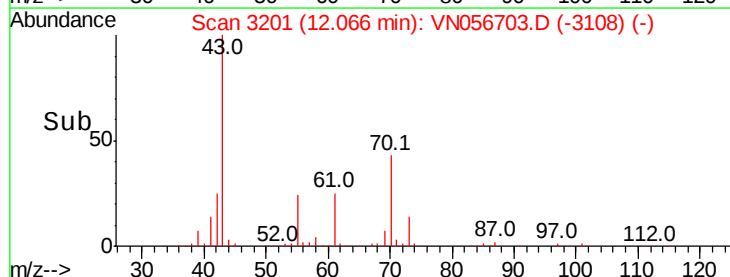
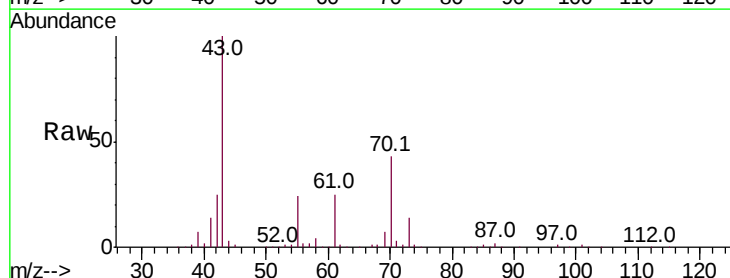
Ion Ratio Lower Upper

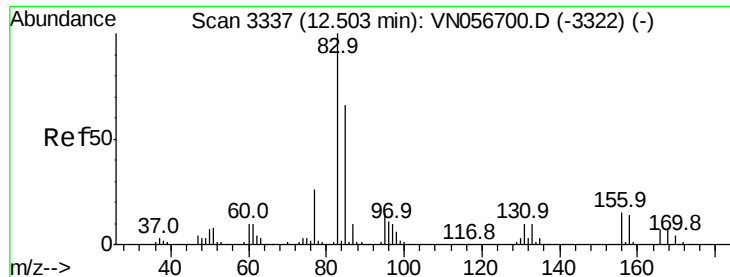
43 100

70 43.3 34.5 51.7

55 24.8 20.2 30.2

61 25.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.683 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion: 83 Resp: 270259
Ion Ratio Lower Upper

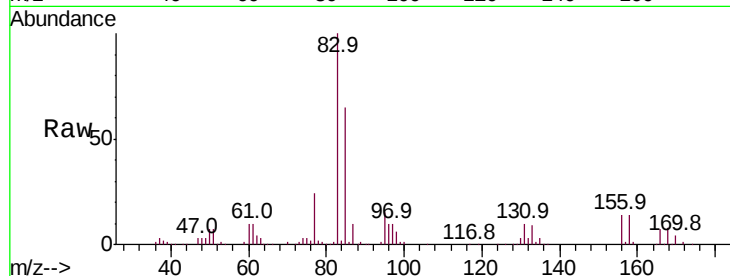
83 100

131 10.3 5.3 15.8

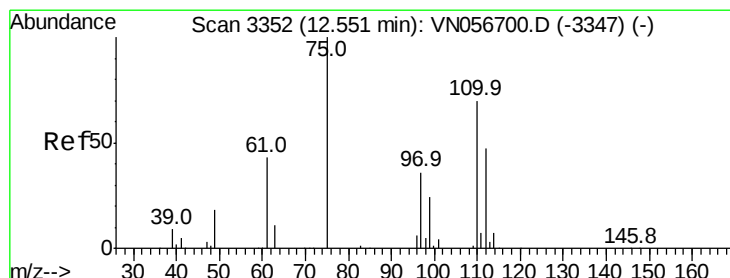
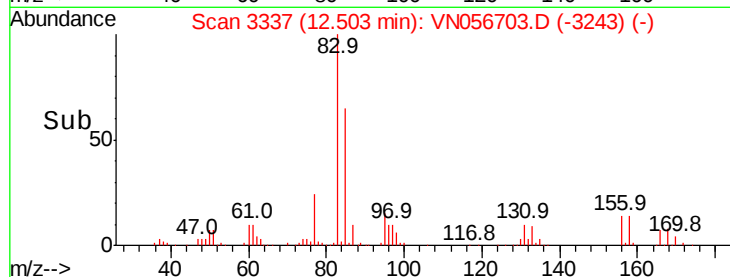
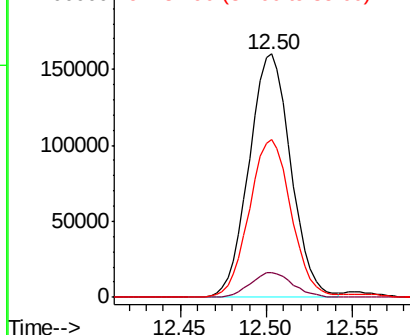
85 65.0 32.6 97.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 44.939 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

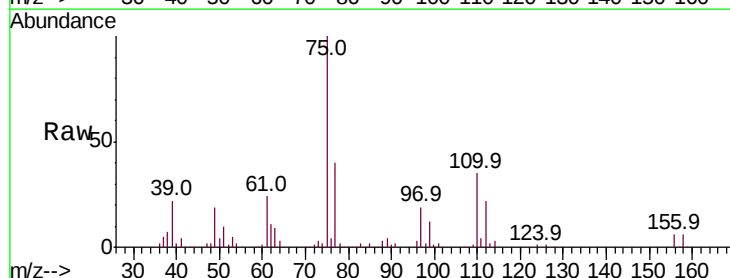
Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

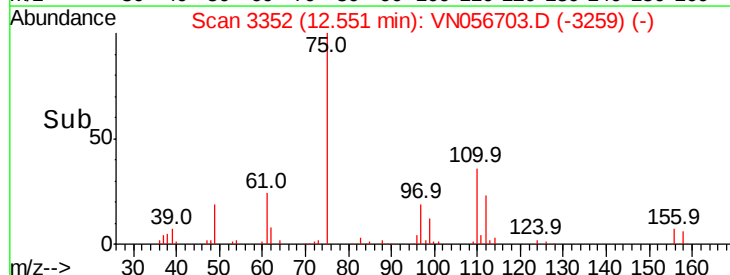
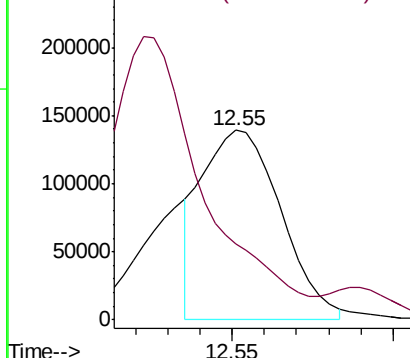
Tgt Ion: 75 Resp: 238144
Ion Ratio Lower Upper

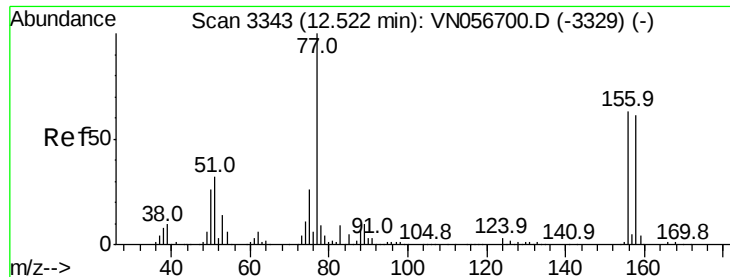
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 44.894 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN071519

Tot Ion:156 Resp: 229406

Ion Ratio Lower Upper

156 100

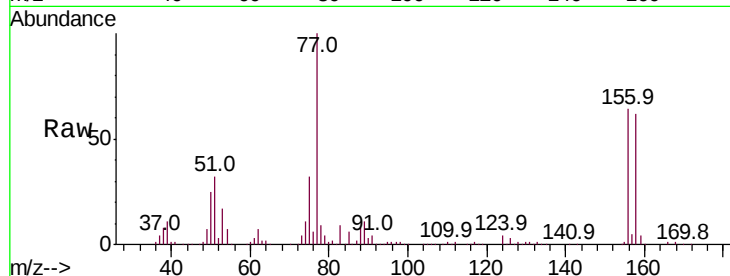
77 189.8 97.2 291.6

158 97.1 48.9 146.8

Manual Integrations
APPROVED

MMDadoda

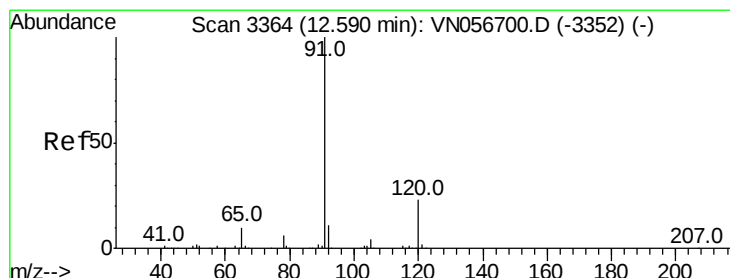
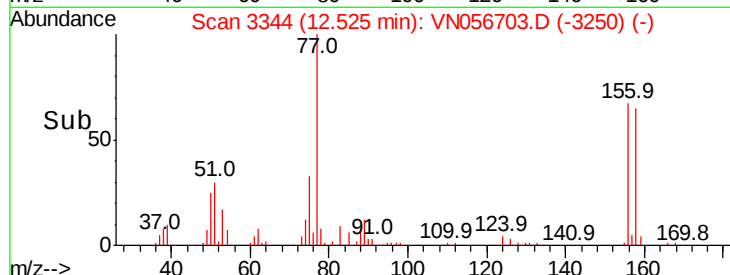
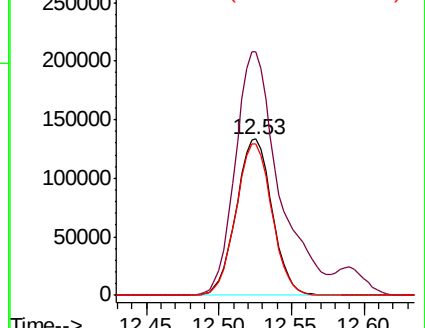
7/17/2019 1:31:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.989 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056703.D

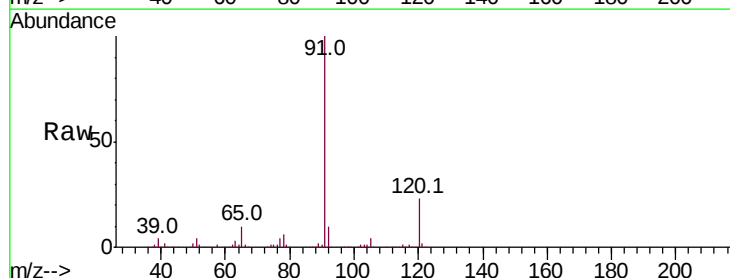
Acq: 15 Jul 2019 11:06

Tgt Ion: 91 Resp: 997452

Ion Ratio Lower Upper

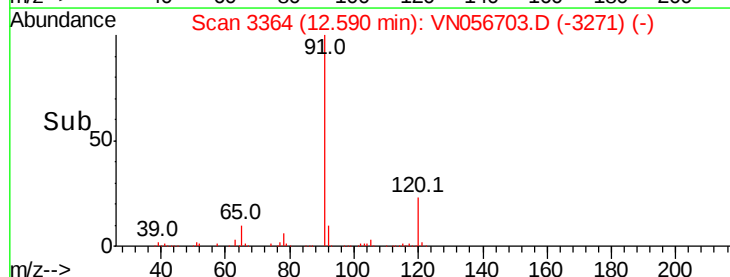
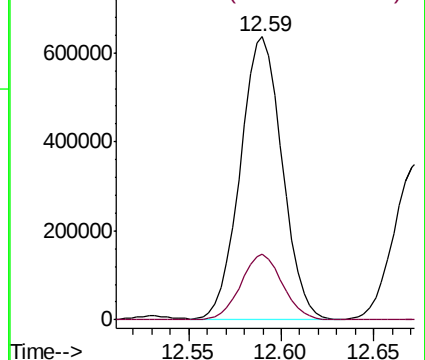
91 100

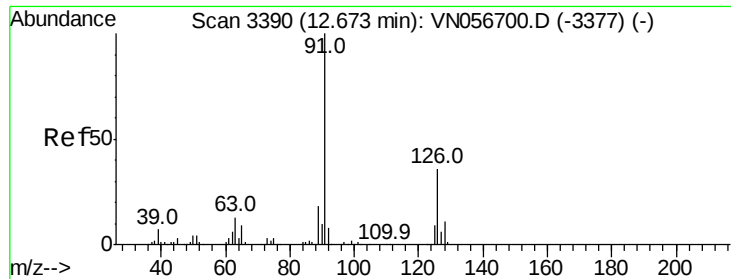
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





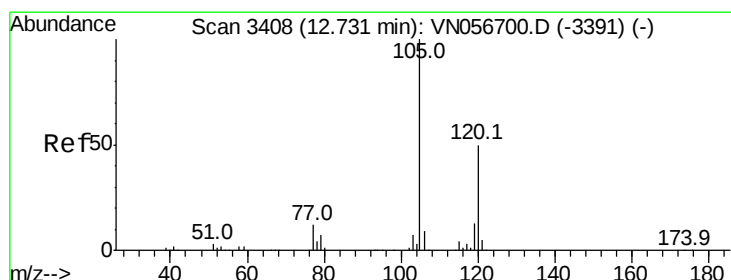
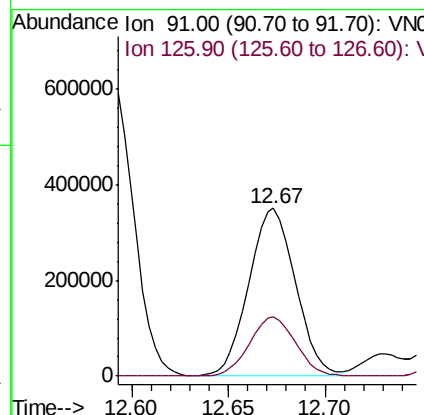
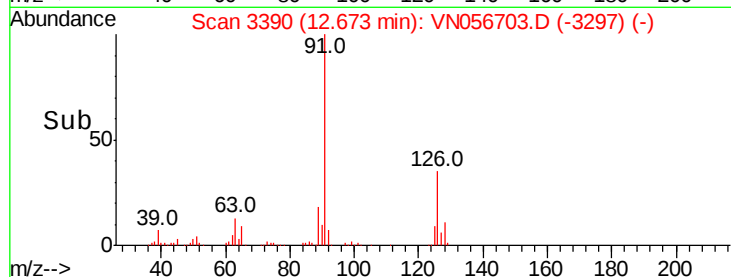
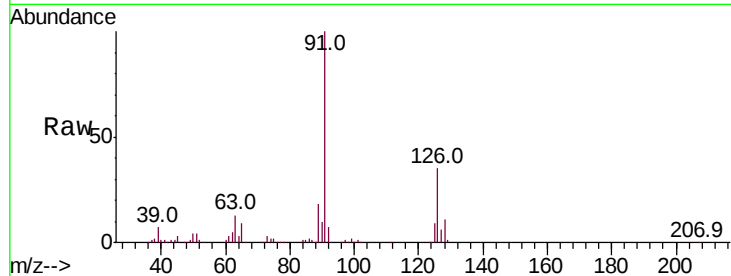
#79
 2-Chlorotoluene
 Concen: 49.050 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion: 91 Resp: 588246
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.7

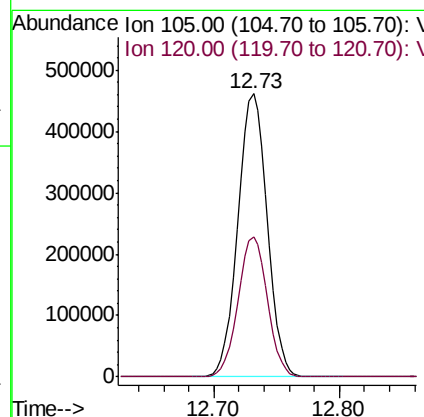
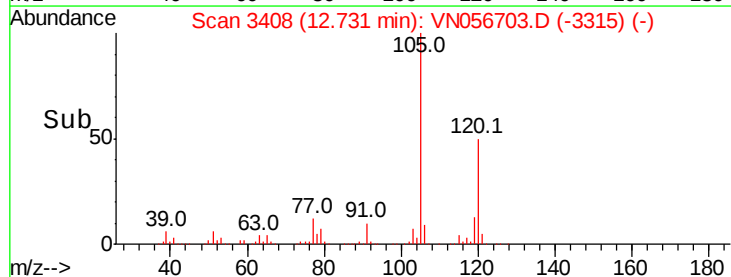
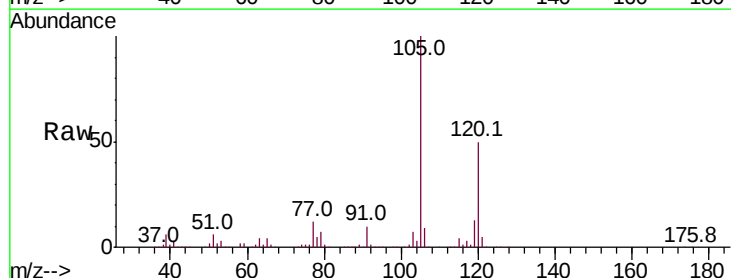
Manual Integrations
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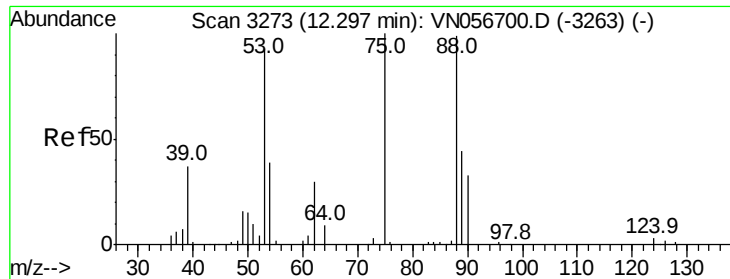
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#80
 1,3,5-Trimethylbenzene
 Concen: 45.208 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion: 105 Resp: 748538
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.783 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071519

Tot Ion: 75 Resp: 83708

Ion Ratio Lower Upper

75 100

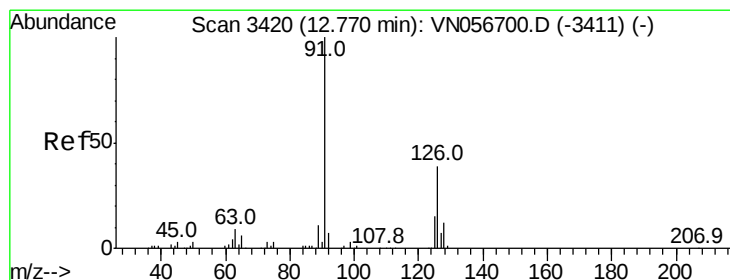
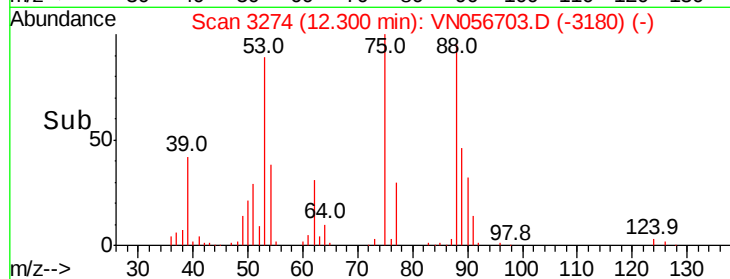
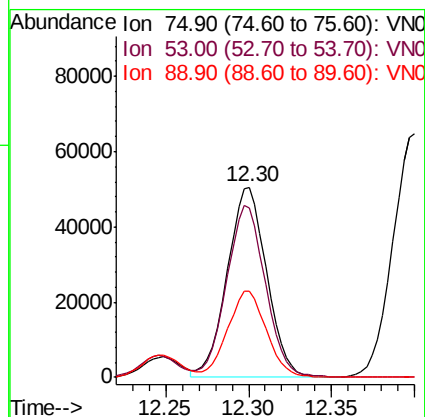
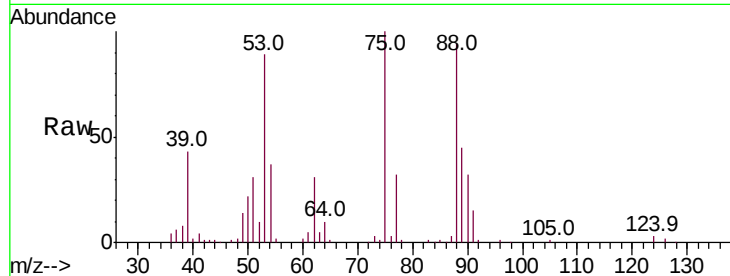
53 89.7 73.7 110.5

89 44.3 36.2 54.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 46.785 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056703.D

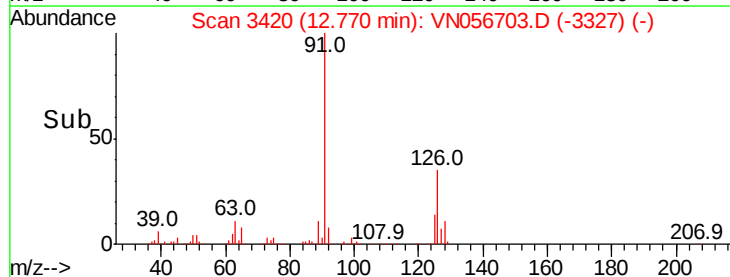
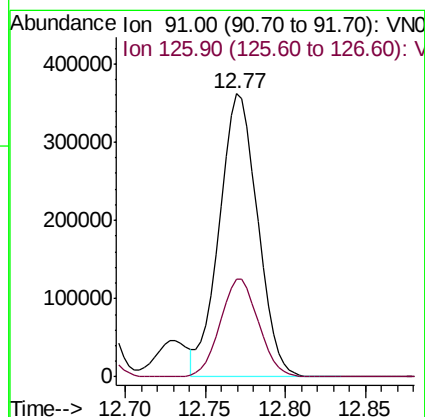
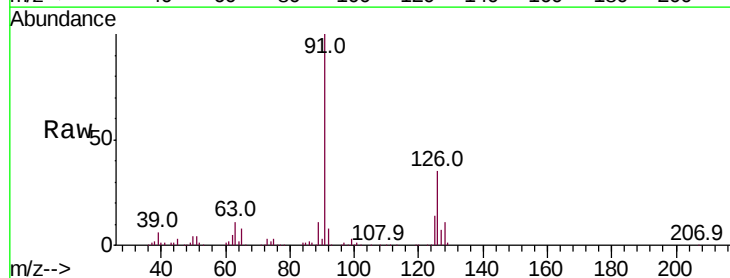
Acq: 15 Jul 2019 11:06

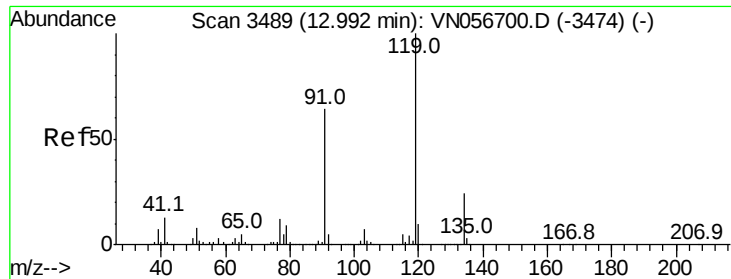
Tgt Ion: 91 Resp: 595475

Ion Ratio Lower Upper

91 100

126 34.6 17.6 52.8





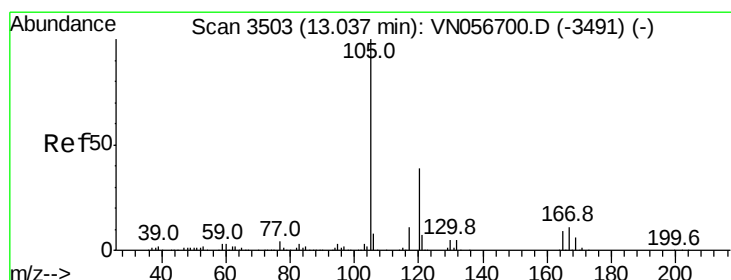
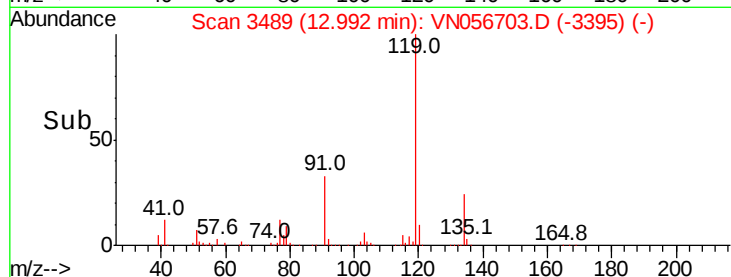
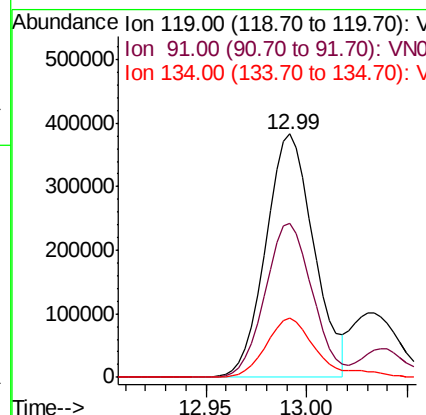
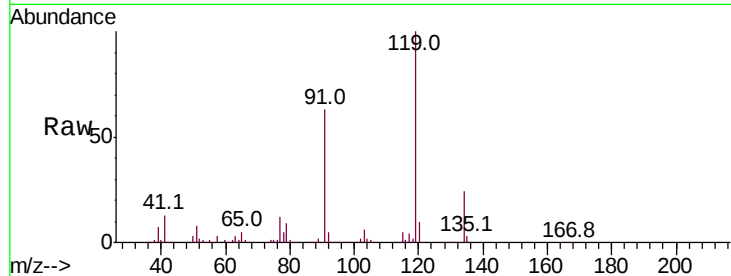
#83
tert-Butylbenzene
Concen: 49.235 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.8	95.4
134	25.7	13.0	38.9

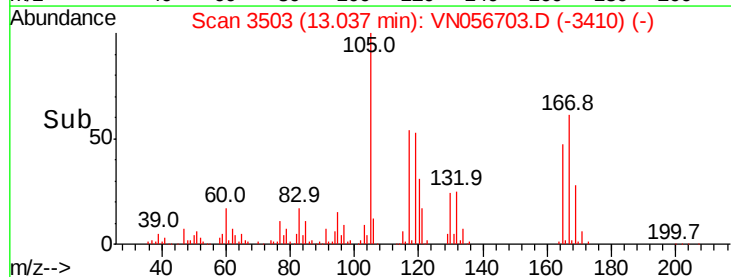
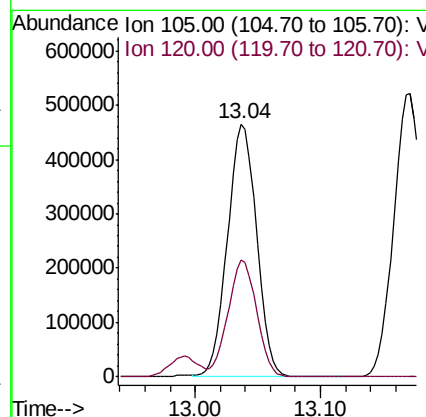
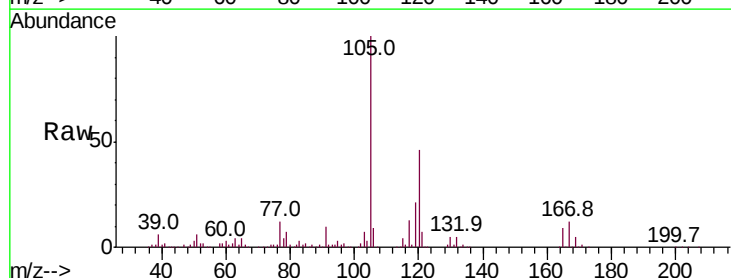
Manual Integrations
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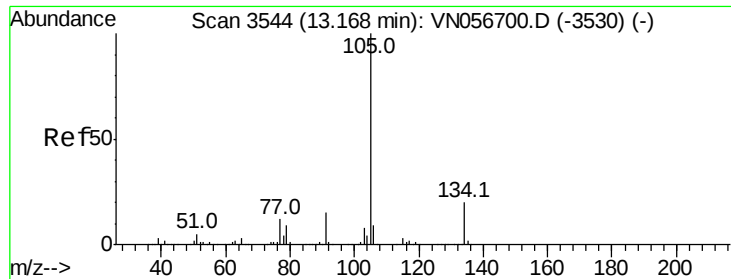
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.329 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.8





#85

sec-Butylbenzene

Concen: 45.984 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN071519

Tot Ion:105 Resp: 846035

Ion Ratio Lower Upper

105 100

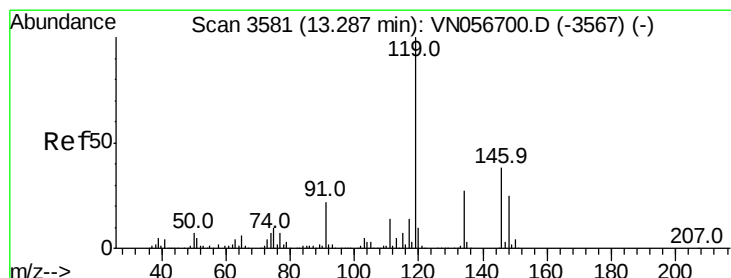
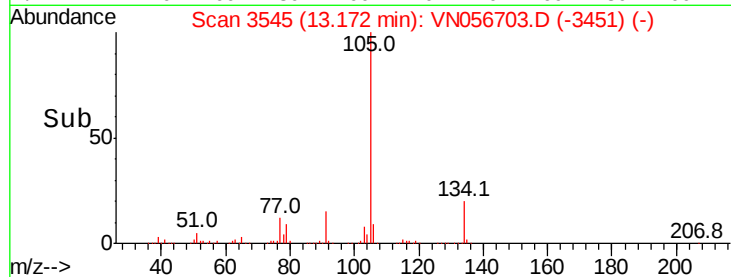
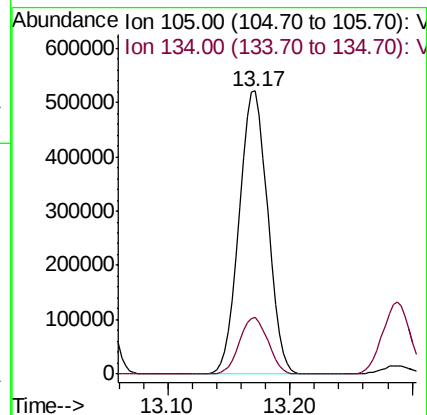
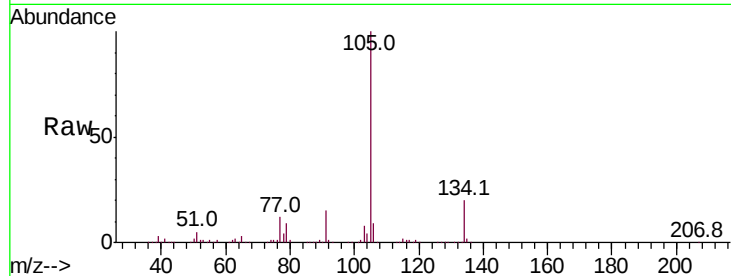
134 20.0 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.074 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

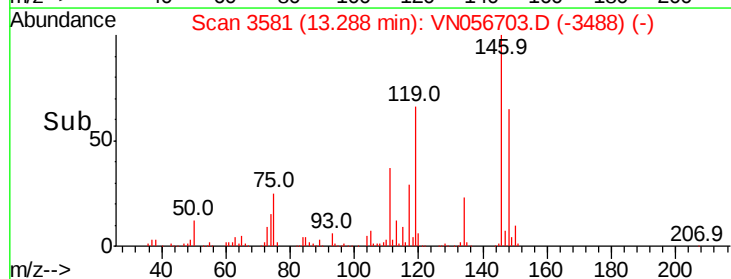
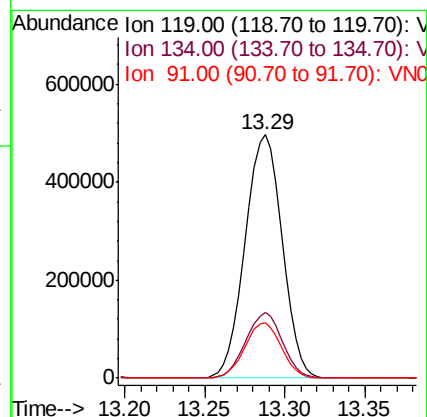
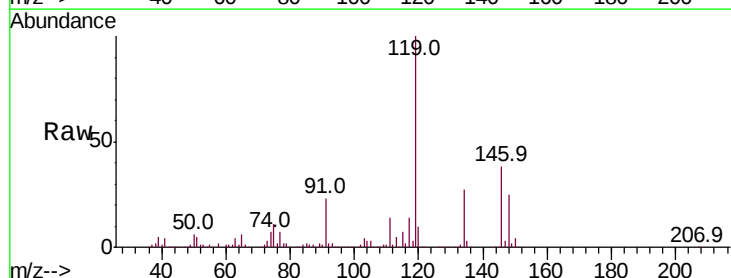
Tgt Ion:119 Resp: 784598

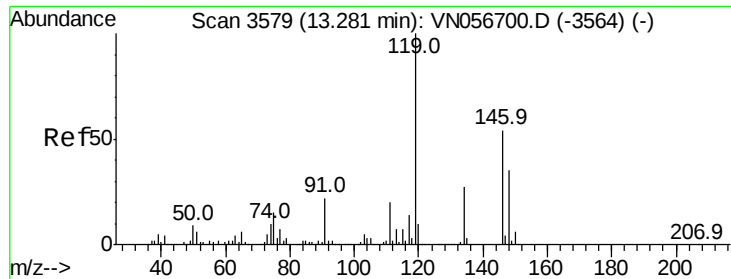
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

91 22.3 11.2 33.5





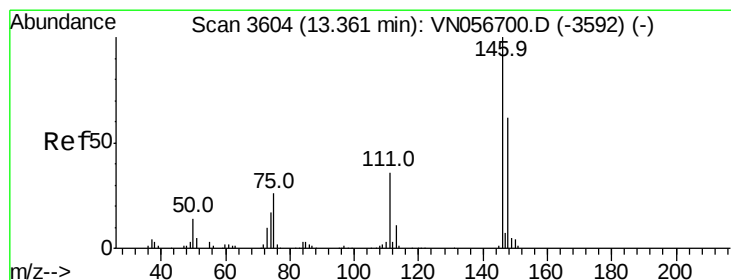
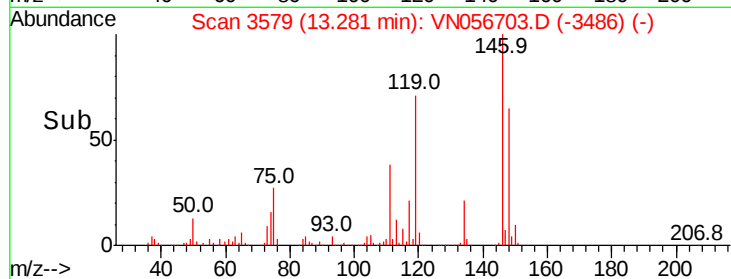
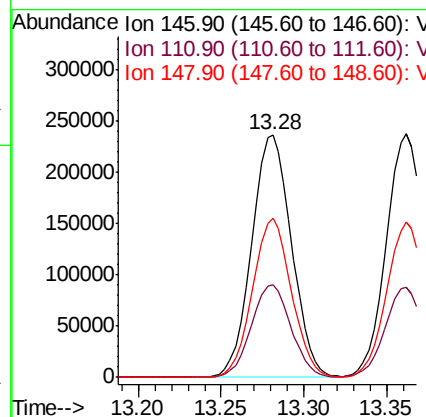
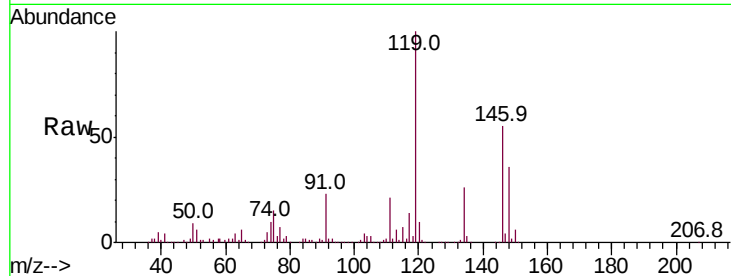
#87
 1,3-Dichlorobenzene
 Concen: 47.080 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	64.1	32.3	96.8

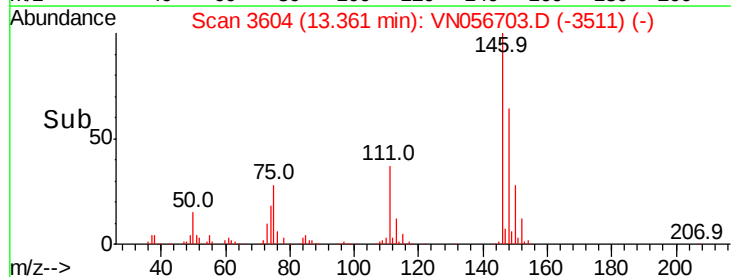
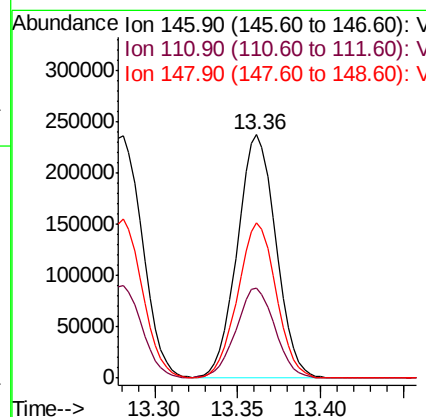
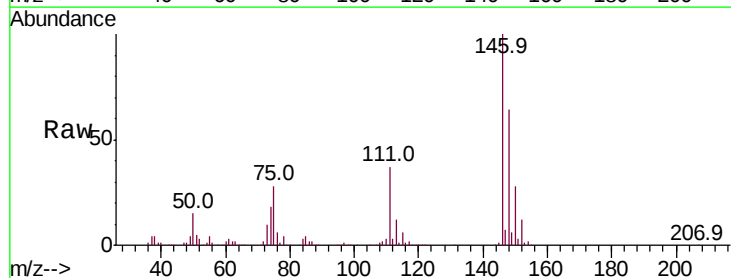
Manual Integrations
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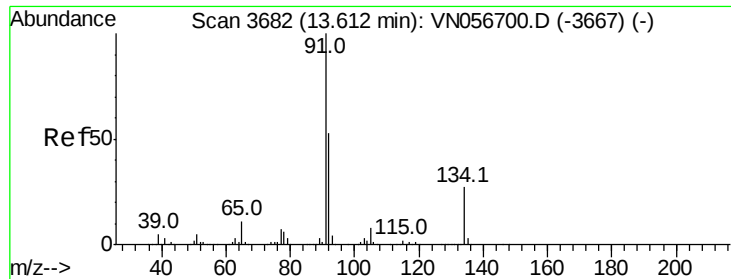
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.310 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056703.D
 Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	63.5	31.9	95.7





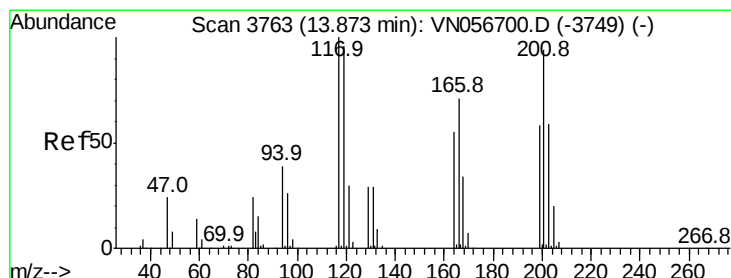
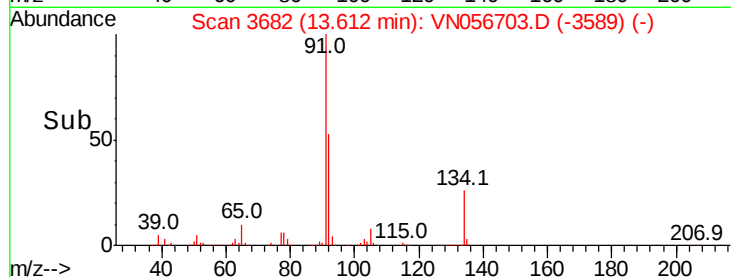
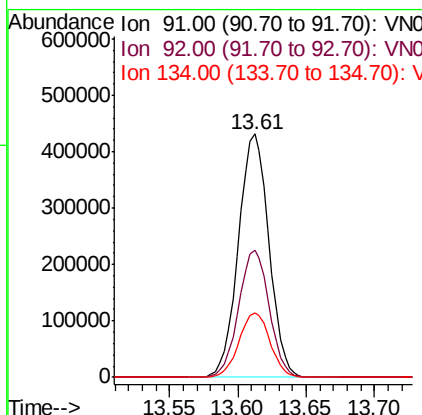
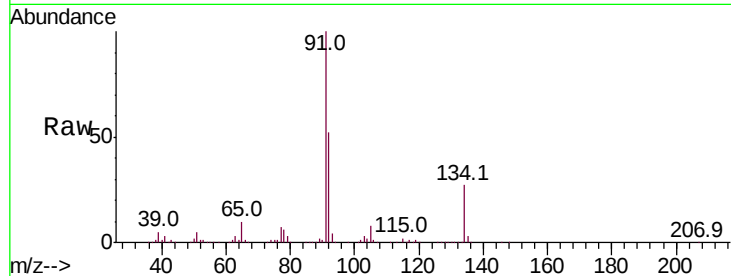
#89
n-Butylbenzene
Concen: 49.961 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071519

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	26.8	13.4	40.2

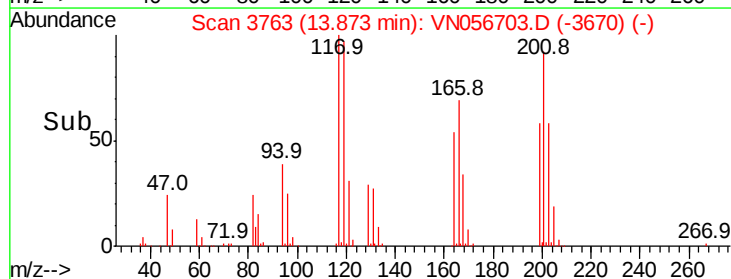
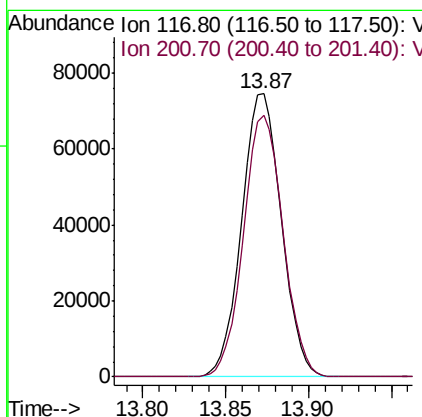
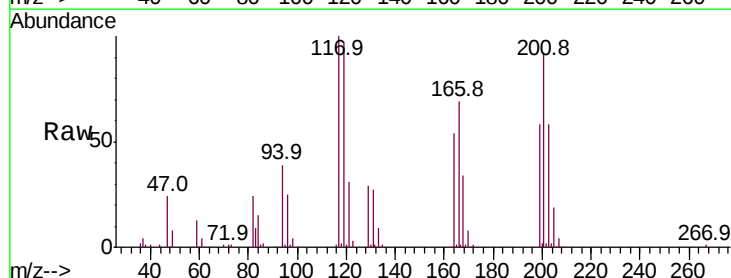
Manual Integrations
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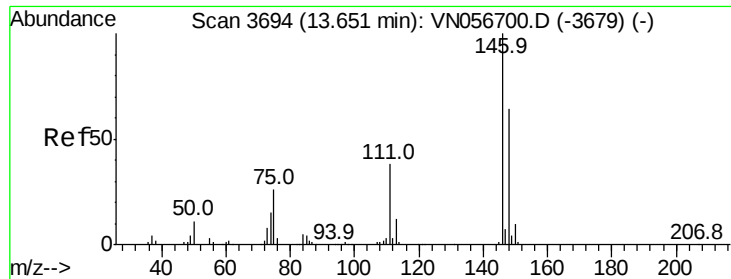
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#90
Hexachloroethane
Concen: 46.114 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056703.D
Acq: 15 Jul 2019 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	46.5	139.5





#91

1,2-Dichlorobenzene

Concen: 45.340 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

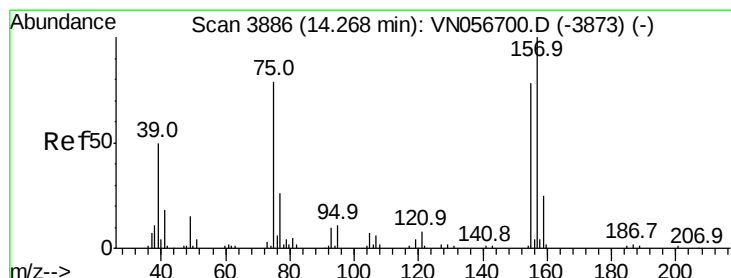
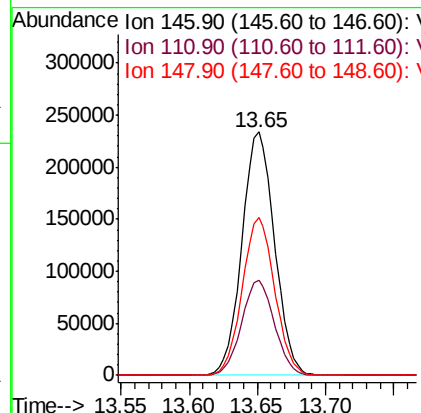
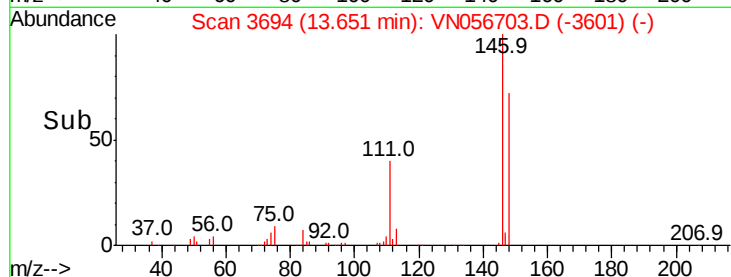
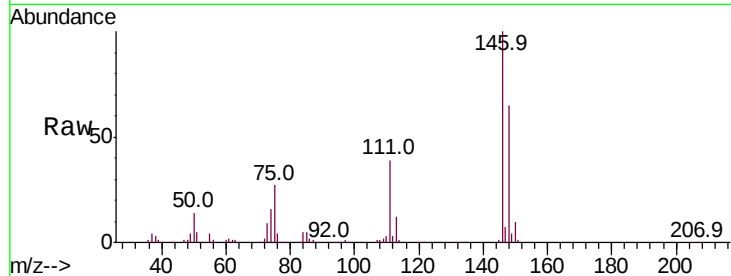
ClientSampleId :

ICVVN071519

Tot Ion:	146	Resp:	388324
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.1	57.1
148	64.5	31.7	95.1

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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.615 ug/l

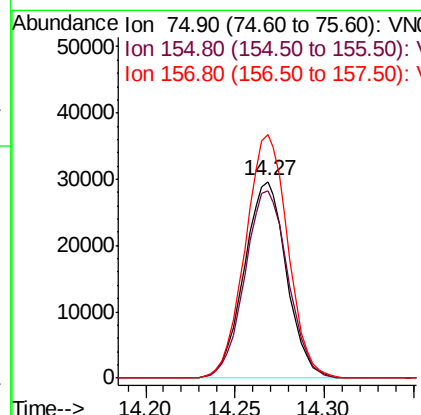
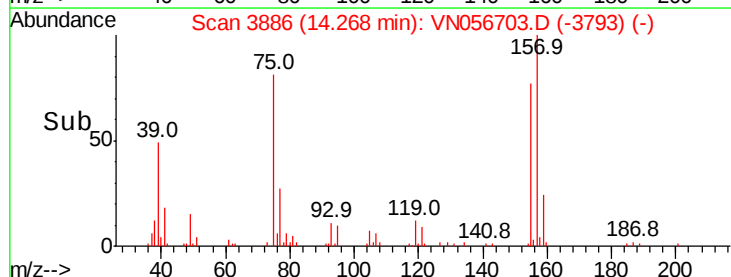
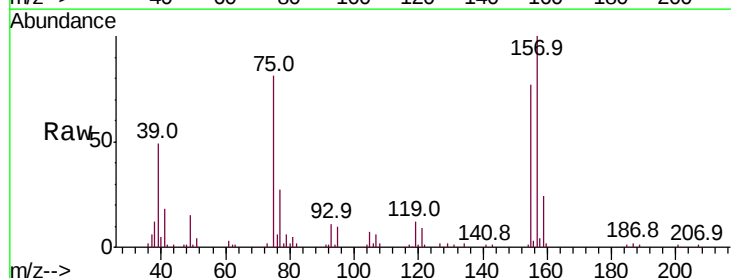
RT: 14.27 min Scan# 3886

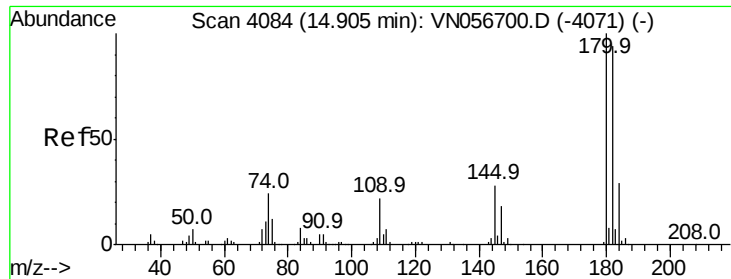
Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion:	75	Resp:	48833
Ion Ratio	Lower	Upper	
75	100		
155	97.3	49.3	147.9
157	124.9	62.4	187.1





#93

1,2,4-Trichlorobenzene

Concen: 50.119 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

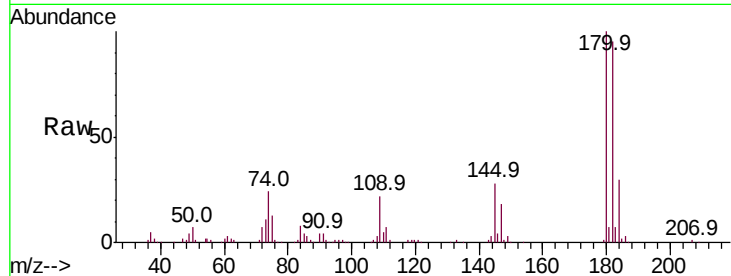
ClientSampleId :

ICVVN071519

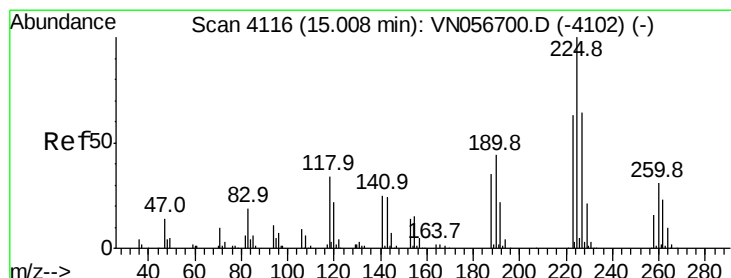
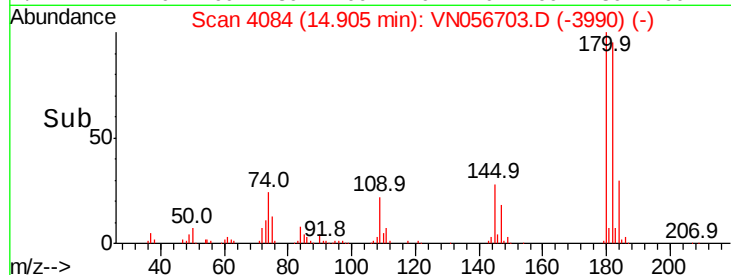
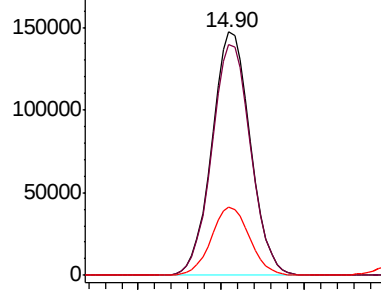
Tot Ion:	180	Resp:	237191
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.2	141.6
145	28.0	14.2	42.8

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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: 51.869 ug/l

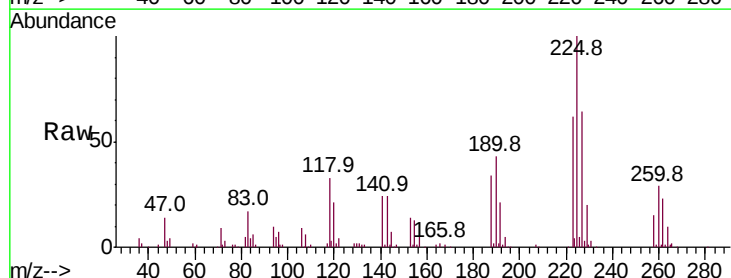
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

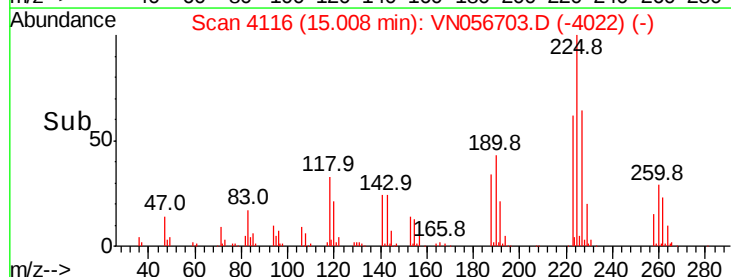
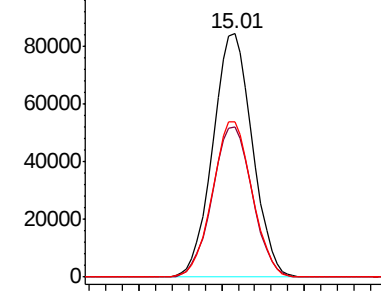
Lab File: VN056703.D

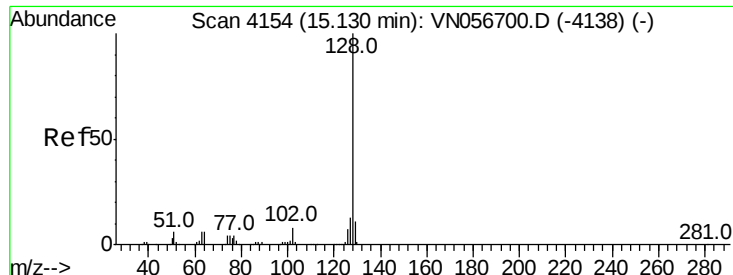
Acq: 15 Jul 2019 11:06

Tgt Ion:	225	Resp:	139443
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.5	94.5
227	63.9	32.0	96.2



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: 48.410 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Instrument :

MSVOA_N

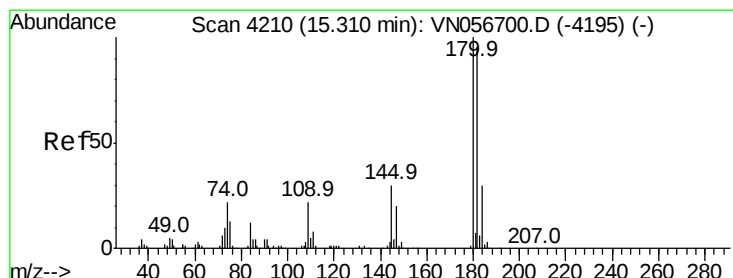
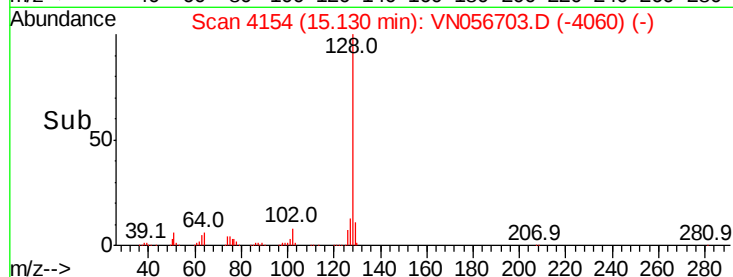
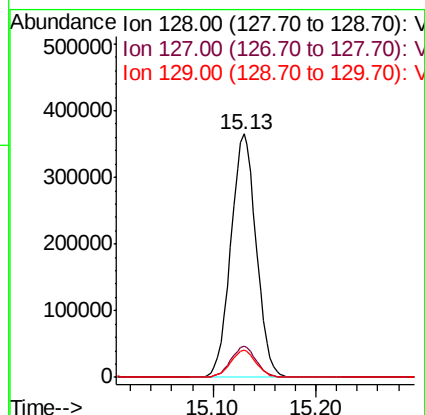
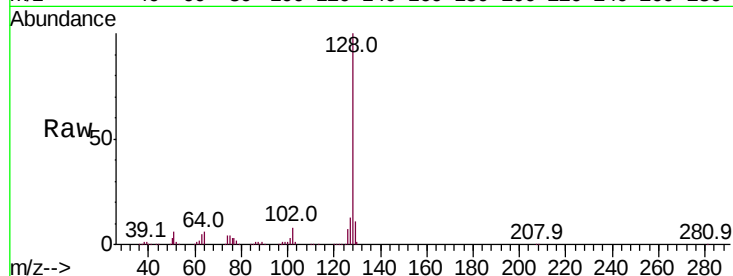
ClientSampleId :

ICVVN071519

Tot Ion:	128	Resp:	626373
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 50.549 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056703.D

Acq: 15 Jul 2019 11:06

Tgt Ion:	180	Resp:	237657
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.3
145	29.9	15.0	45.1

