

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
 Data File : VN056815.D
 Acq On : 18 Jul 2019 16:27
 Operator : JC/SP
 Sample : VN0718WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 11:31:43 PM

Quant Time: Jul 19 09:03:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	296690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	456710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	402325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	164823	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
35) Dibromofluoromethane	7.59	113	144408	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	549003	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	177179	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	51720	18.565	ug/l	100
3) Chloromethane	2.06	50	68151	18.195	ug/l	99
4) Vinyl Chloride	2.18	62	67176	18.625	ug/l	98
5) Bromomethane	2.55	94	41760	19.688	ug/l	96
6) Chloroethane	2.70	64	38528	18.331	ug/l	98
7) Trichlorofluoromethane	3.01	101	89146	19.262	ug/l	97
8) Diethyl Ether	3.41	74	36576	20.270	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	55154	19.836	ug/l	99
10) Methyl Iodide	3.95	142	67695	18.202	ug/l	99
11) Tert butyl alcohol	4.79	59	55054	100.784	ug/l	97
12) 1,1-Dichloroethene	3.73	96	54256	19.453	ug/l	98
13) Acrolein	3.61	56	12884	76.779	ug/l	95
14) Allyl chloride	4.32	41	90533	18.770	ug/l	98
15) Acrylonitrile	4.99	53	162429	102.966	ug/l	99
16) Acetone	3.82	43	138131	91.336	ug/l	99
17) Carbon Disulfide	4.05	76	127378	17.283	ug/l	99
18) Methyl Acetate	4.33	43	72548	20.790	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	175372	19.735	ug/l	99
20) Methylene Chloride	4.55	84	64339	19.468	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	57241	19.416	ug/l	97
22) Diisopropyl ether	5.95	45	192572	20.227	ug/l	96
23) Vinyl Acetate	5.90	43	782786	101.464	ug/l	100
24) 1,1-Dichloroethane	5.85	63	109872	19.905	ug/l	99
25) 2-Butanone	6.84	43	217962	98.579	ug/l	97
26) 2,2-Dichloropropane	6.82	77	78426	19.705	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	68208	20.106	ug/l	99
28) Bromochloromethane	7.19	49	49878	19.219	ug/l	100
29) Tetrahydrofuran	7.22	42	148085	102.687	ug/l	99
30) Chloroform	7.37	83	108016	19.555	ug/l	98
31) Cyclohexane	7.65	56	102821	19.599	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	89263	20.434	ug/l	99
36) 1,1-Dichloropropene	7.79	75	78957	18.683	ug/l	100
37) Ethyl Acetate	6.93	43	87823	21.084	ug/l	98
38) Carbon Tetrachloride	7.77	117	75640	19.085	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	98232	18.824	ug/l	99
40) Benzene	8.04	78	253180	19.552	ug/l	99
41) Methacrylonitrile	7.18	41	37913m	20.721	ug/l	
42) 1,2-Dichloroethane	8.13	62	82400	20.134	ug/l	100
43) Isopropyl Acetate	8.17	43	130213	19.885	ug/l #	92
44) Trichloroethene	8.83	130	69158	19.667	ug/l	100
45) 1,2-Dichloropropane	9.12	63	68142	19.804	ug/l	96
46) Dibromomethane	9.21	93	43676	20.483	ug/l	99
47) Bromodichloromethane	9.40	83	82118	20.266	ug/l	95
48) Methyl methacrylate	9.20	41	64915	20.498	ug/l	99
49) 1,4-Dioxane	9.20	88	26546	408.526	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	433185	102.137	ug/l	100
52) Toluene	10.16	92	154958	20.150	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	82289	19.465	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	95534	19.474	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	63645	19.731	ug/l	98
56) Ethyl methacrylate	10.43	69	93966	20.246	ug/l	99
57) 1,3-Dichloropropane	10.71	76	105194	19.968	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	222416	99.657	ug/l	99
59) 2-Hexanone	10.75	43	300191	98.643	ug/l	99
60) Dibromochloromethane	10.90	129	62201	19.608	ug/l	99
61) 1,2-Dibromoethane	11.00	107	64540	20.133	ug/l	99
64) Tetrachloroethene	10.63	164	70213	20.229	ug/l	97
65) Chlorobenzene	11.43	112	162384	19.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	61341	20.252	ug/l	100
67) Ethyl Benzene	11.51	91	284293	19.664	ug/l	99
68) m/p-Xylenes	11.62	106	210600	38.978	ug/l	99
69) o-Xylene	11.95	106	105119	19.789	ug/l	100
70) Styrene	11.96	104	167879	19.549	ug/l	98
71) Bromoform	12.13	173	45290	19.652	ug/l #	99
73) Isopropylbenzene	12.25	105	275292	20.870	ug/l	99
74) N-amyl acetate	12.07	43	97462	19.839	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	91522	22.907	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	80517m	22.503	ug/l	
77) Bromobenzene	12.52	156	72208	20.928	ug/l	97
78) n-propylbenzene	12.59	91	293925	20.071	ug/l	100
79) 2-Chlorotoluene	12.67	91	184512	21.878	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	231038	20.666	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22957	19.815	ug/l	96
82) 4-Chlorotoluene	12.77	91	172987	20.129	ug/l	100
83) tert-Butylbenzene	12.99	119	200440	22.196	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	231521	21.198	ug/l	99
85) sec-Butylbenzene	13.17	105	256347	20.635	ug/l	99
86) p-Isopropyltoluene	13.29	119	229230	20.369	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	111134	19.655	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	105981	19.269	ug/l	98
89) n-Butylbenzene	13.61	91	174313	19.229	ug/l	99
90) Hexachloroethane	13.87	117	37549	20.633	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	114043	19.720	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13850	19.581	ug/l	99

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QLast Update : Tue Jul 16 07:03:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47625	17.498	ug/l	100
94) Hexachlorobutadiene	15.01	225	40656	21.644	ug/l	99
95) Naphthalene	15.13	128	113257	16.277	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51622	18.516	ug/l	98

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

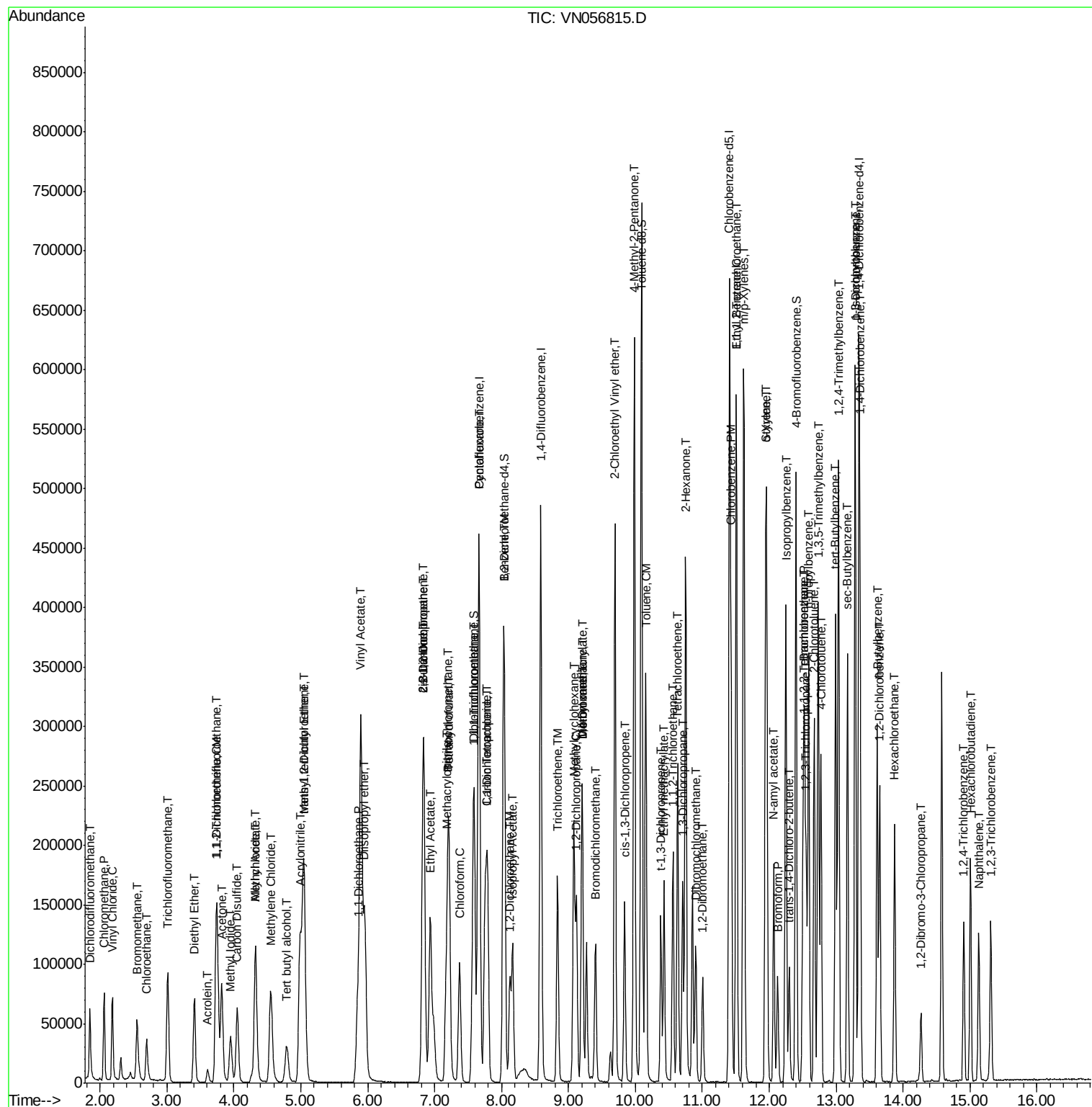
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071819\
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 Operator : JC/SP
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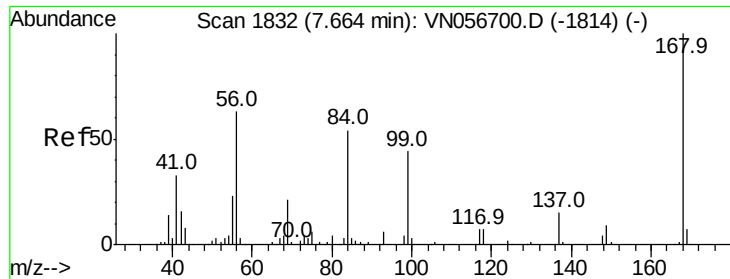
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion:168 Resp: 296690

Ion Ratio Lower Upper

168 100

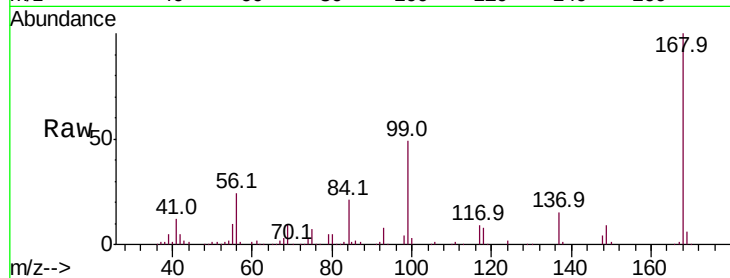
99 49.1 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

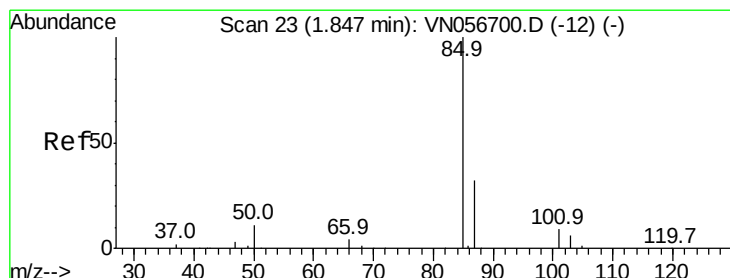
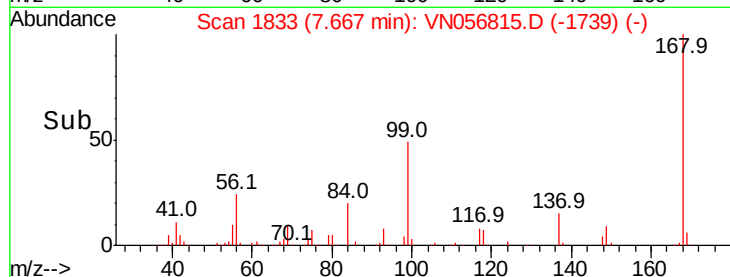
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.565 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056815.D

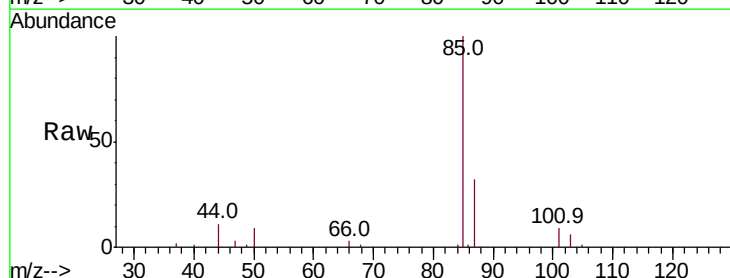
Acq: 18 Jul 2019 16:27

Tgt Ion: 85 Resp: 51720

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

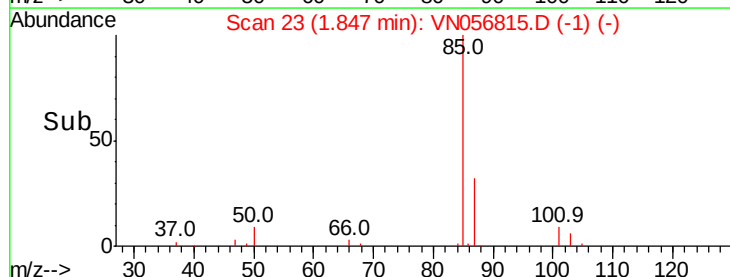
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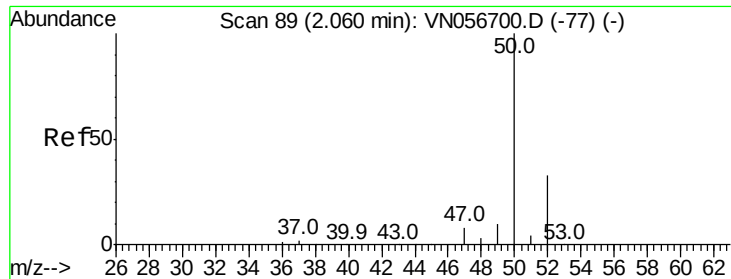
20000

10000

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Time-->





#3

Chloromethane

Concen: 18.195 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion: 50 Resp: 68151

Ion Ratio Lower Upper

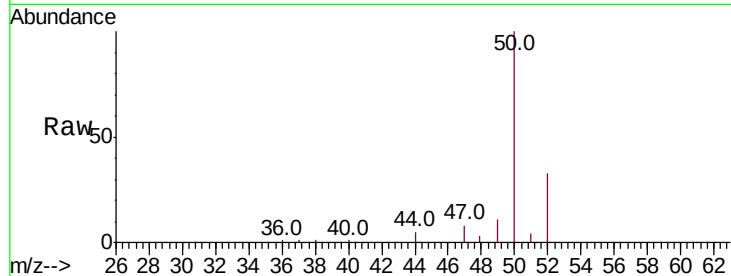
50 100

52 32.7 26.5 39.7

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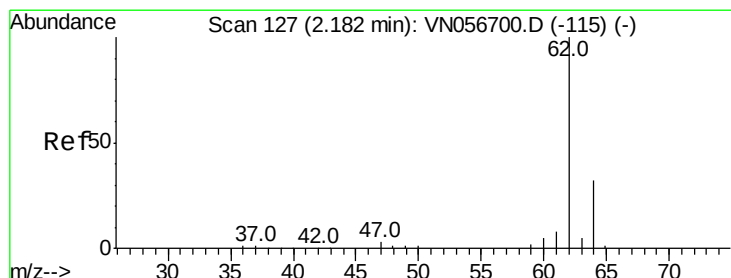
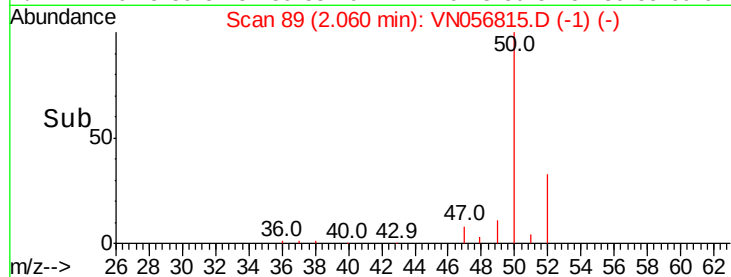
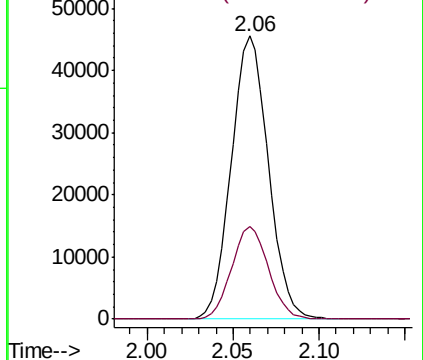
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.625 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056815.D

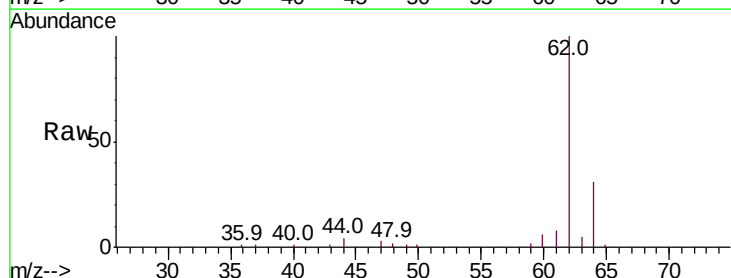
Acq: 18 Jul 2019 16:27

Tgt Ion: 62 Resp: 67176

Ion Ratio Lower Upper

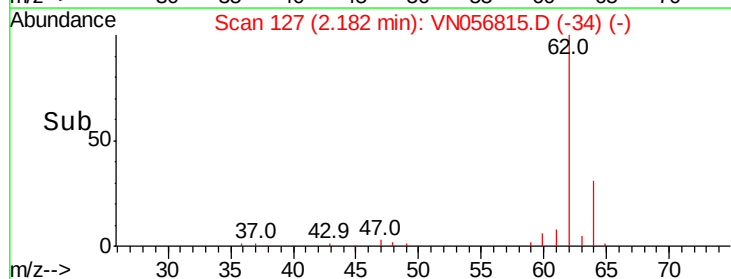
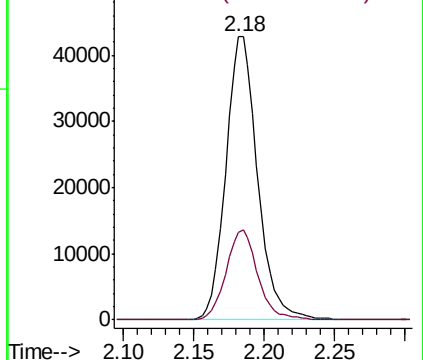
62 100

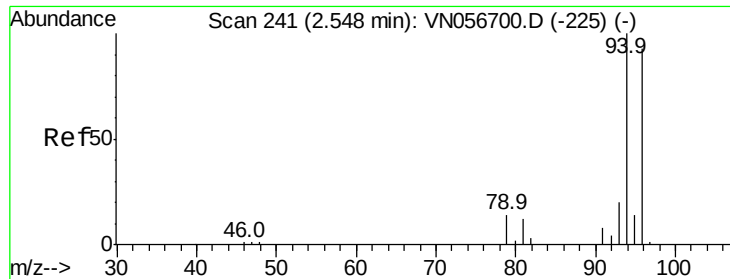
64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





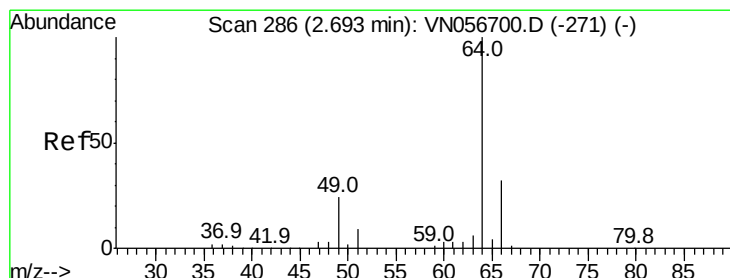
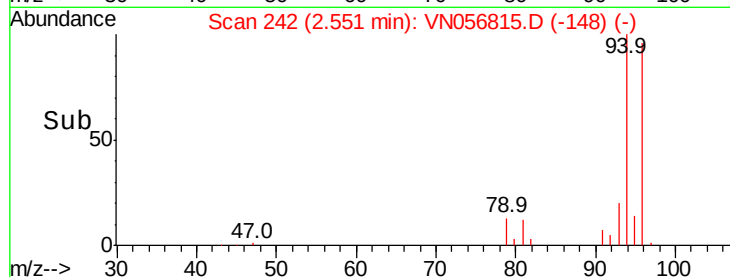
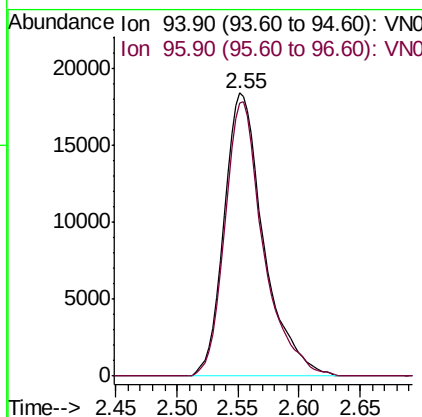
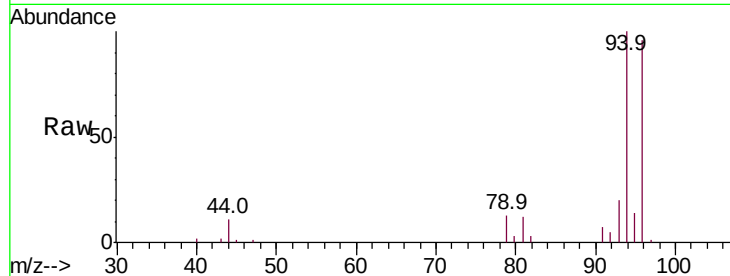
#5
Bromomethane
Concen: 19.688 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 41760
Ion Ratio Lower Upper
94 100
96 96.4 74.0 111.0

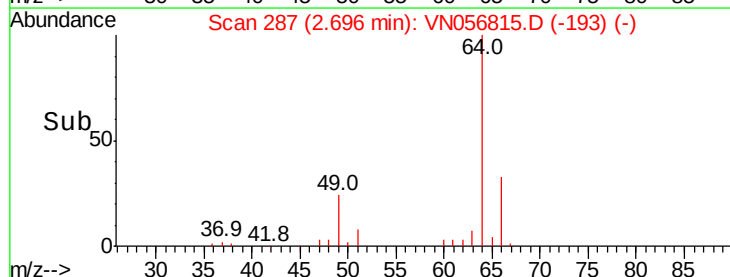
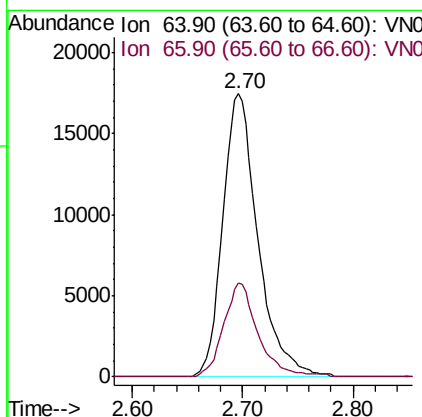
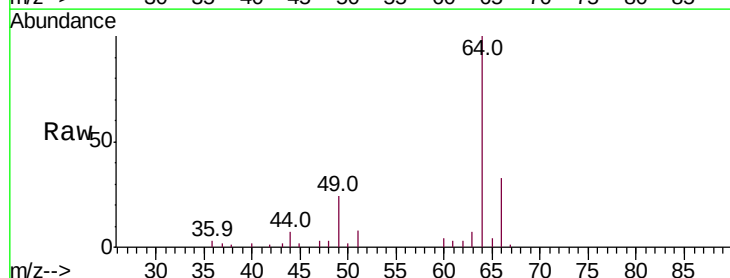
Manual Integrations
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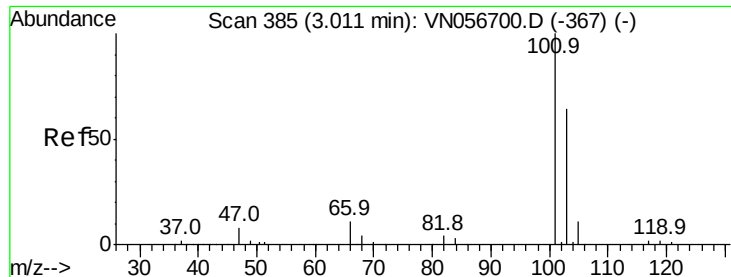
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#6
Chloroethane
Concen: 18.331 ug/l
RT: 2.70 min Scan# 287
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 64 Resp: 38528
Ion Ratio Lower Upper
64 100
66 33.3 25.8 38.8





#7

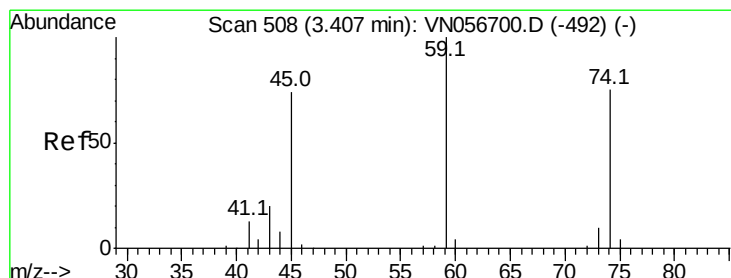
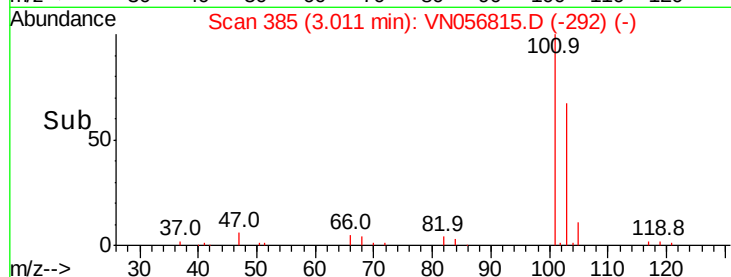
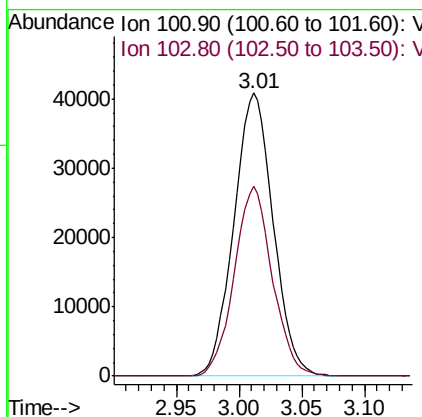
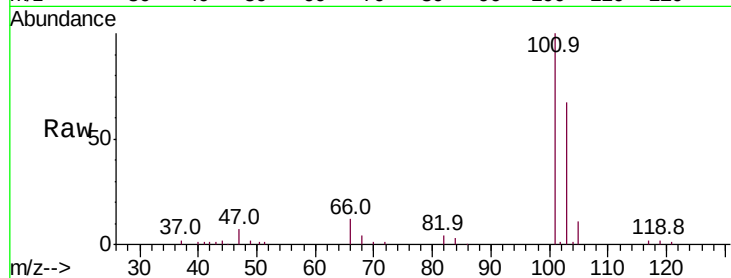
Trichlorofluoromethane
Concen: 19.262 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.5	77.3

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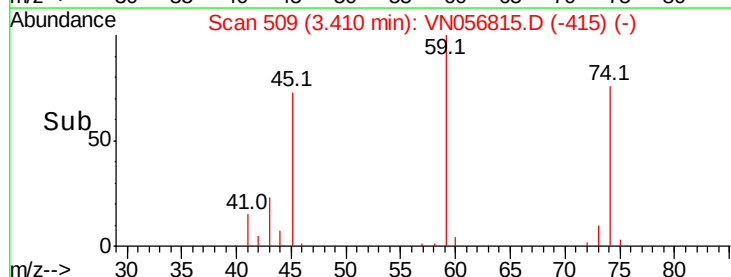
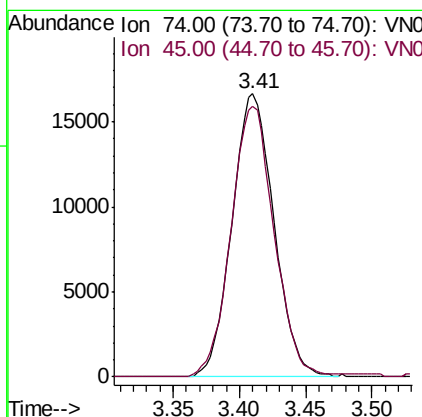
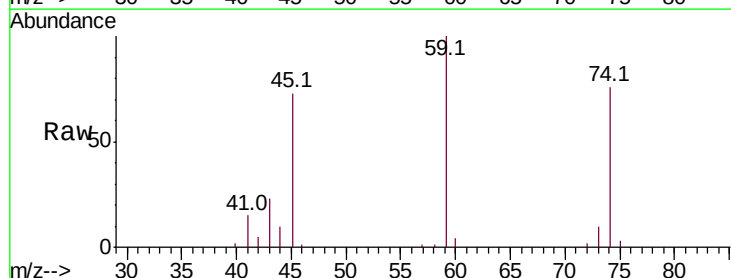
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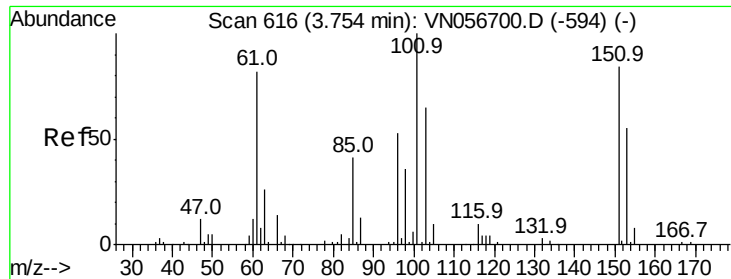


#8

Diethyl Ether
Concen: 20.270 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	49.4	148.2





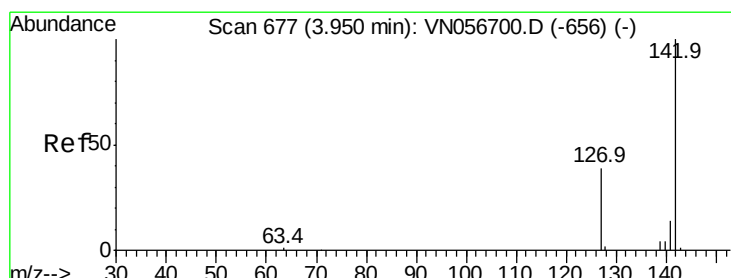
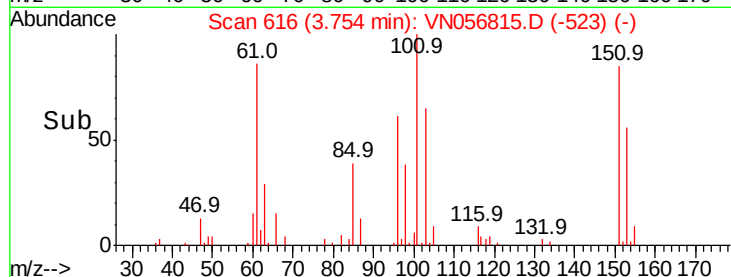
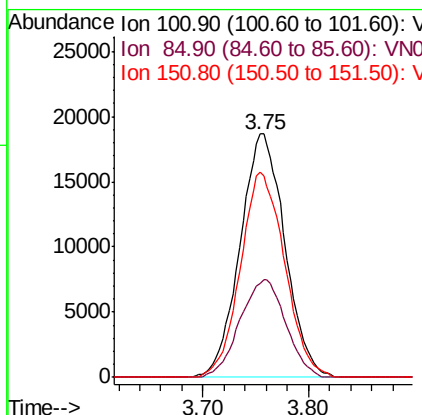
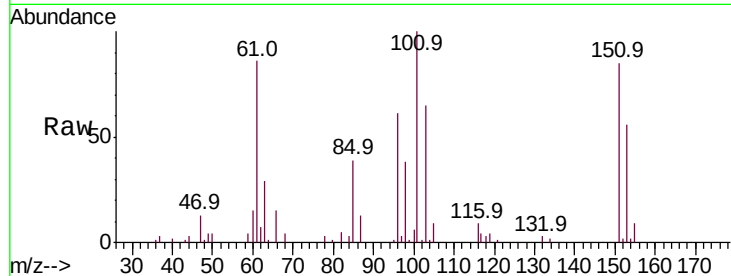
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.836 ug/l
RT: 3.75 min Scan# 616
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.8	33.3	49.9
151	83.0	67.0	100.6

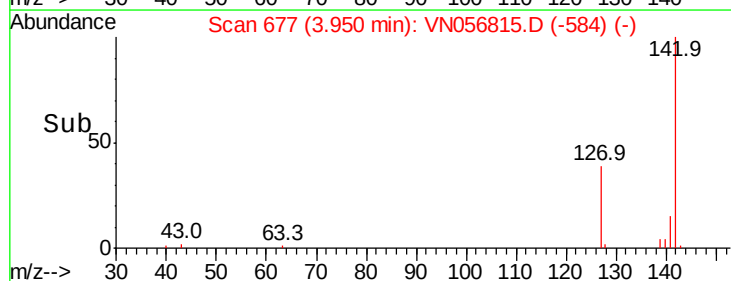
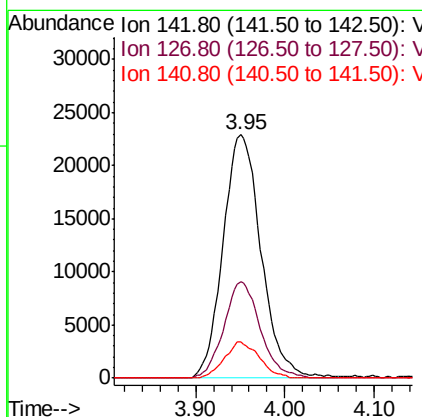
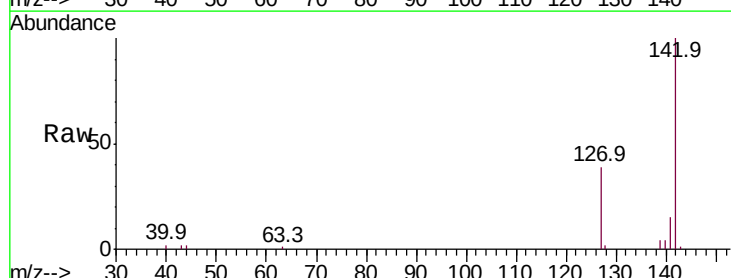
Manual Integrations
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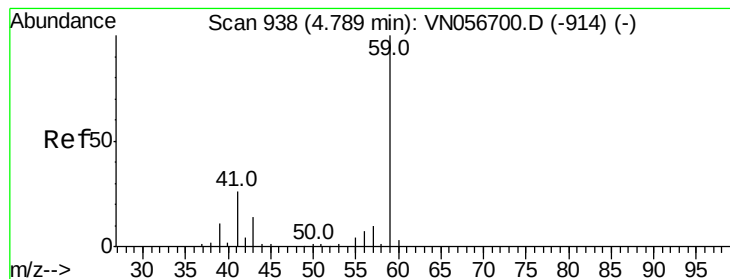
MMDadoda
7/19/2019 11:31:43 PM



#10
Methyl Iodide
Concen: 18.202 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
142	100		
127	37.7	30.7	46.1
141	13.7	11.3	16.9





#11

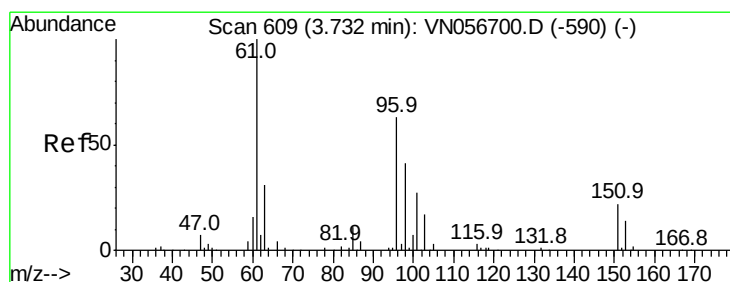
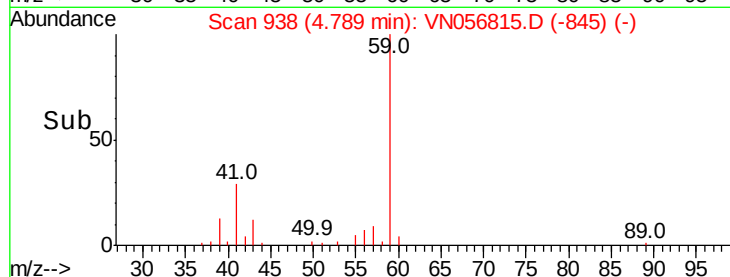
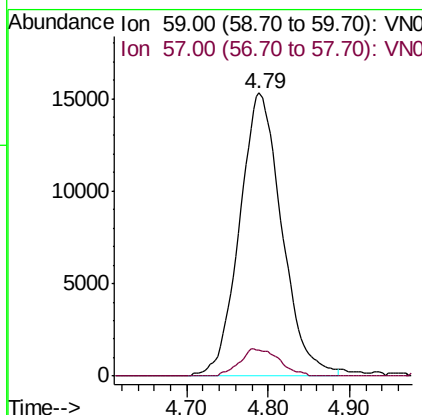
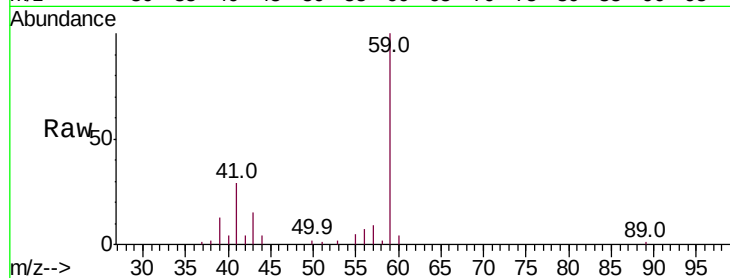
Tert butyl alcohol
Concen: 100.784 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.0	12.0

Manual Integrations
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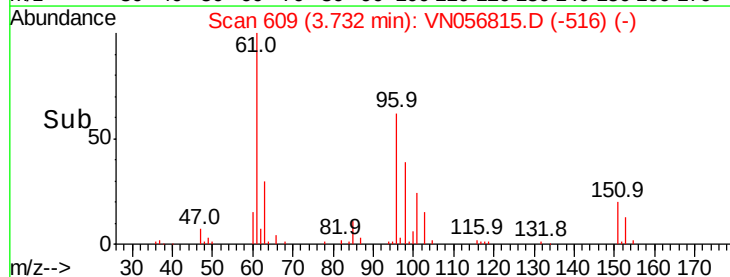
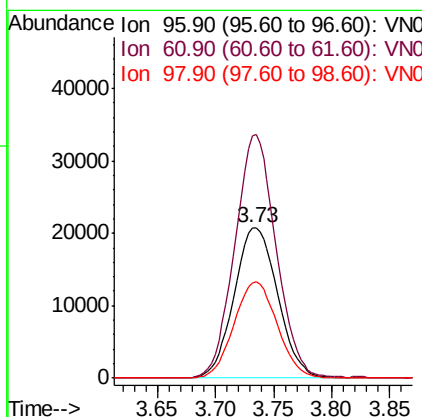
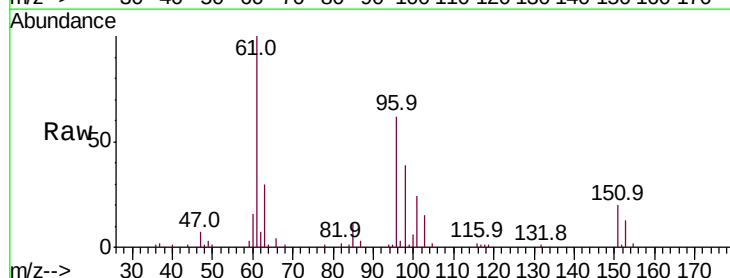
MMDadoda
7/19/2019 11:31:43 PM

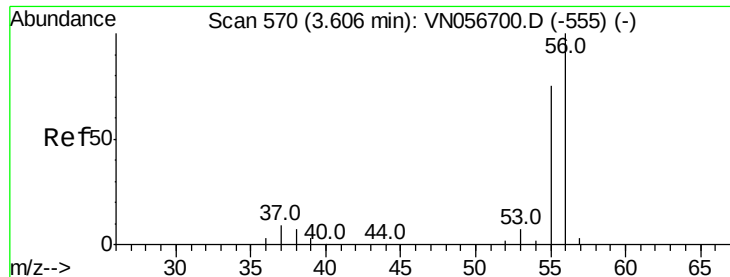


#12

1,1-Dichloroethene
Concen: 19.453 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.9	126.6	189.8
98	63.0	51.4	77.2





#13

Acrolein

Concen: 76.779 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion: 56 Resp: 12884

Ion Ratio Lower Upper

56 100

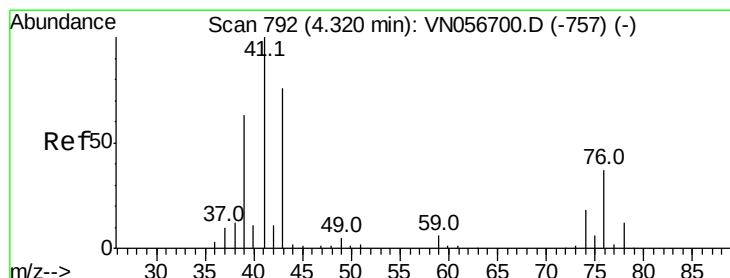
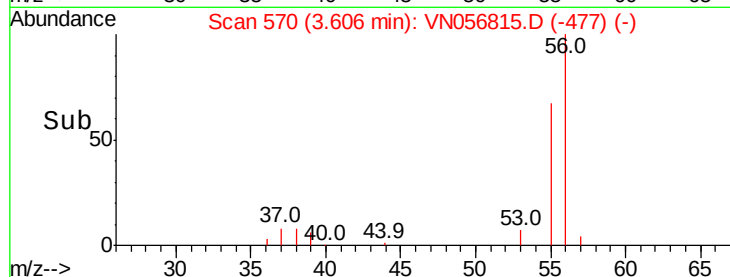
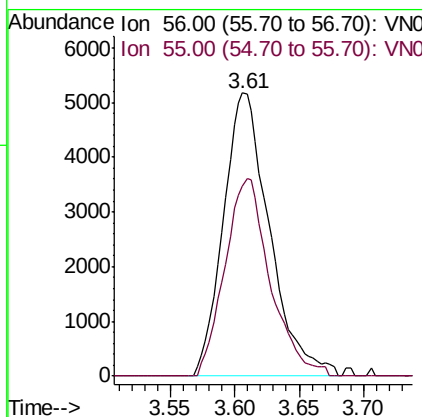
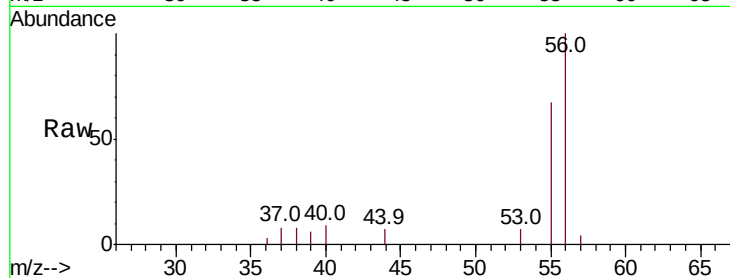
55 68.6 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.770 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

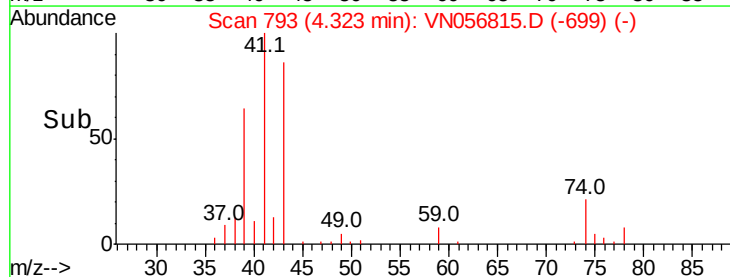
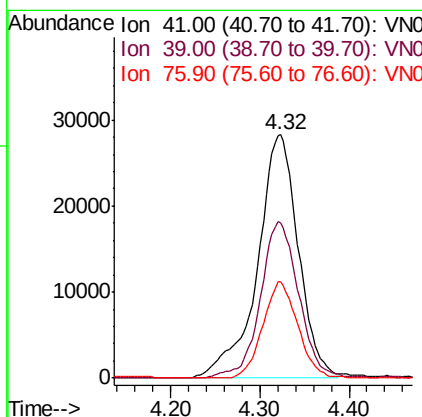
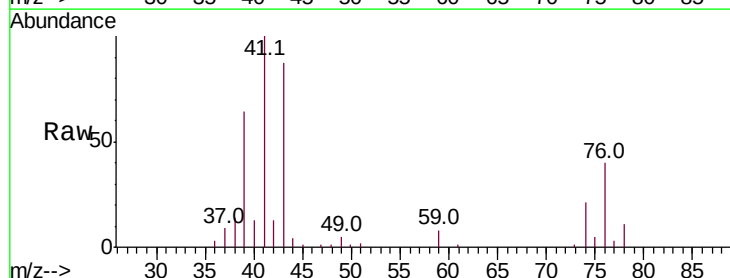
Tgt Ion: 41 Resp: 90533

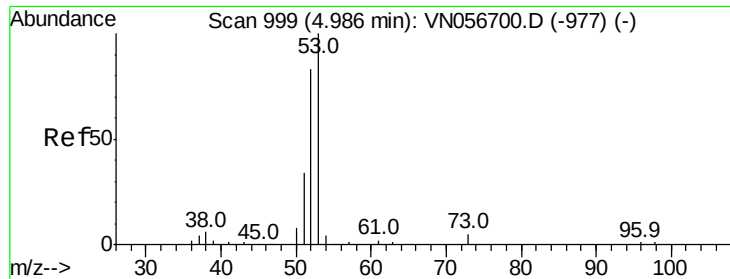
Ion Ratio Lower Upper

41 100

39 60.4 46.9 70.3

76 33.8 26.5 39.7





#15

Acrylonitrile

Concen: 102.966 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

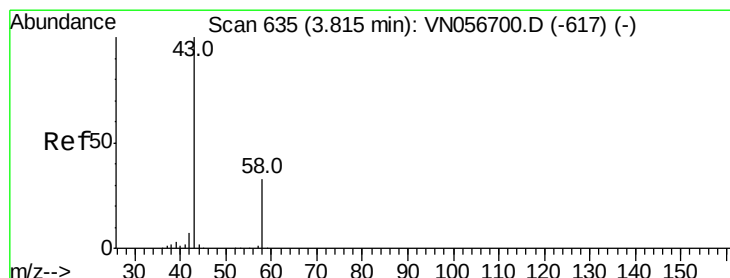
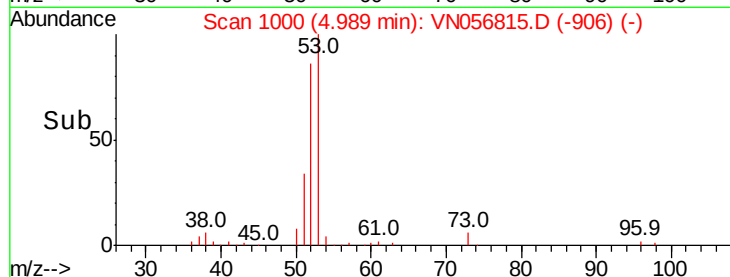
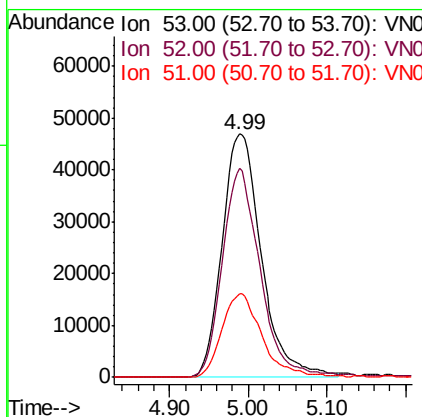
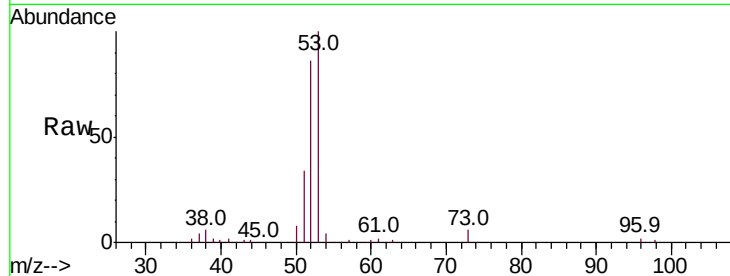
ClientSampleId :

VN0718WBS02

Tot Ion:	53	Resp:	162429
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	99.8
51	34.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 91.336 ug/l

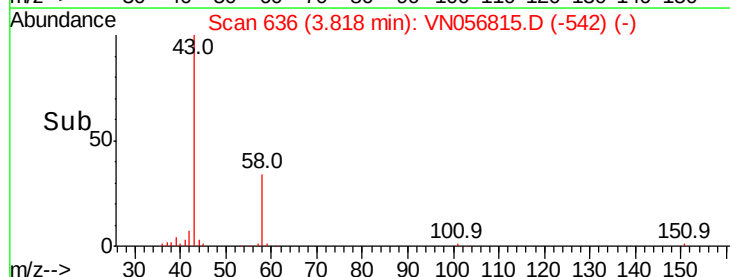
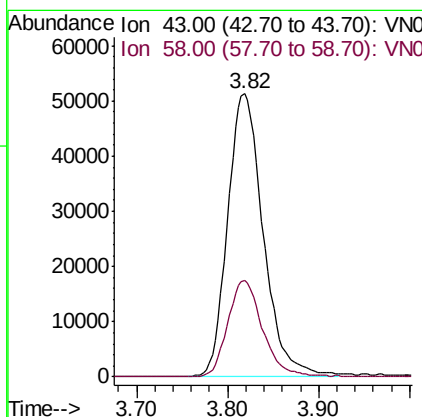
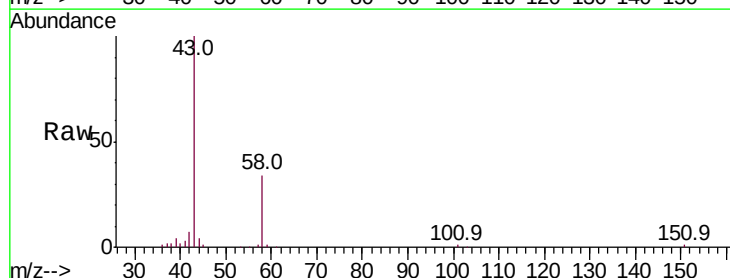
RT: 3.82 min Scan# 636

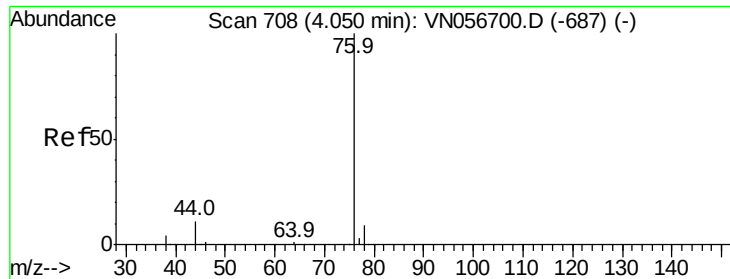
Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion:	43	Resp:	138131
Ion	Ratio	Lower	Upper
43	100		
58	34.0	26.7	40.1





#17

Carbon Disulfide

Concen: 17.283 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion: 76 Resp: 127378

Ion Ratio Lower Upper

76 100

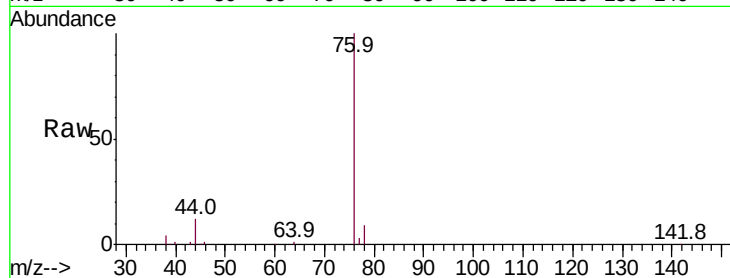
78 9.0 7.4 11.0

Manual Integrations

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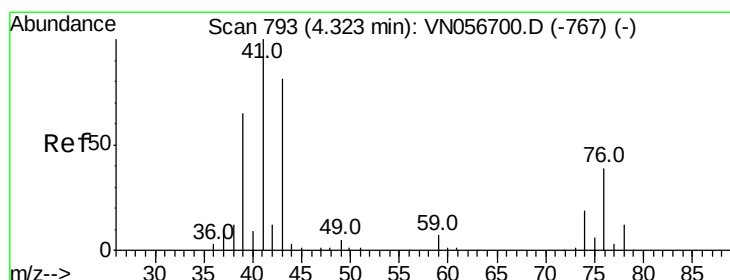
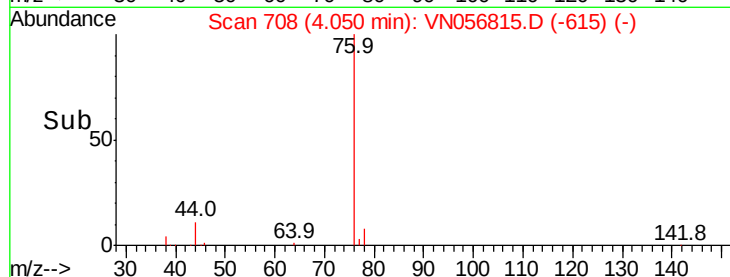
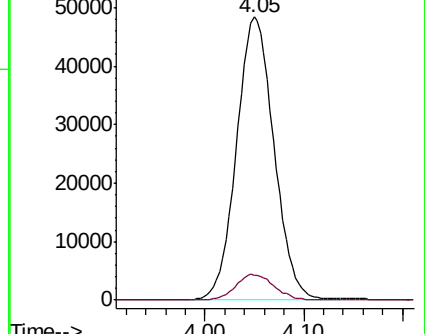
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.790 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056815.D

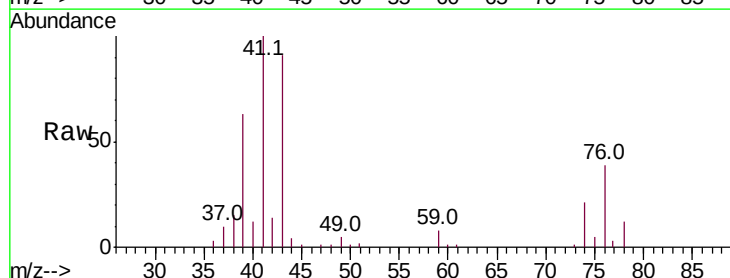
Acq: 18 Jul 2019 16:27

Tgt Ion: 43 Resp: 72548

Ion Ratio Lower Upper

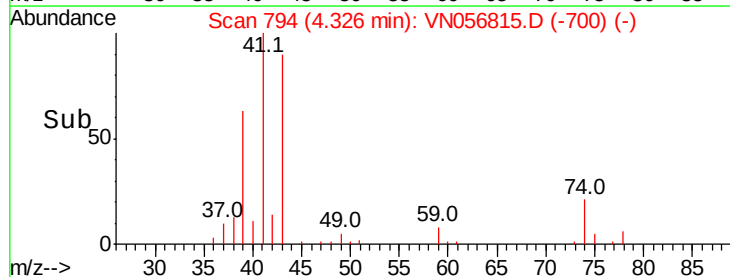
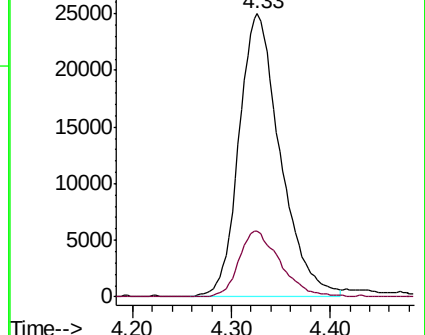
43 100

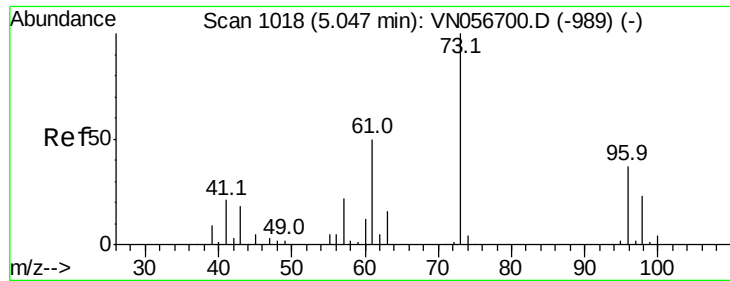
74 23.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





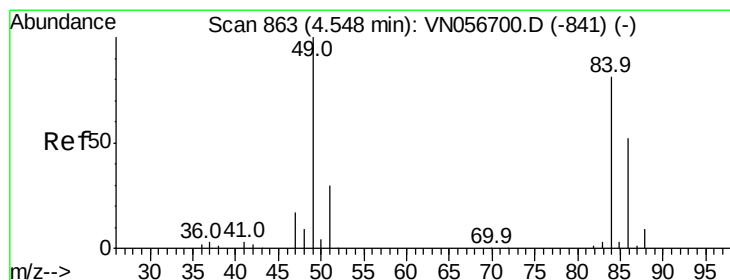
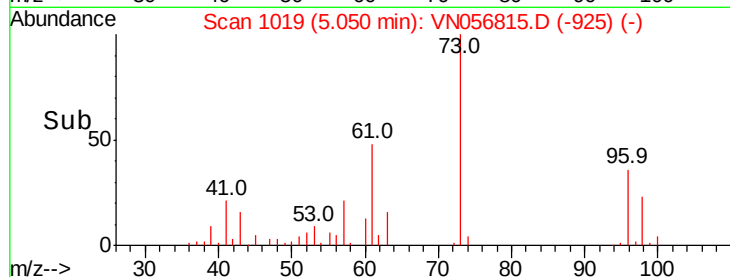
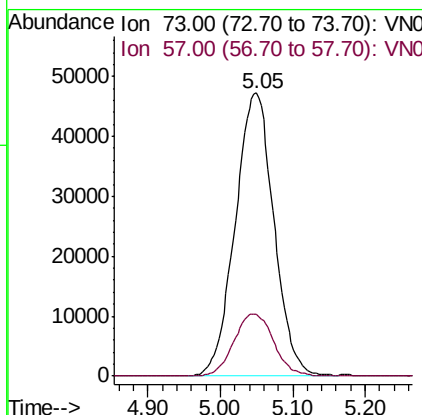
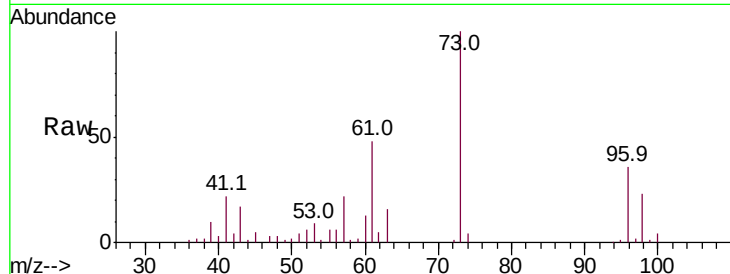
#19
Methyl tert-butyl Ether
Concen: 19.735 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion: 73 Resp: 175372
Ion Ratio Lower Upper
73 100
57 21.8 17.9 26.9

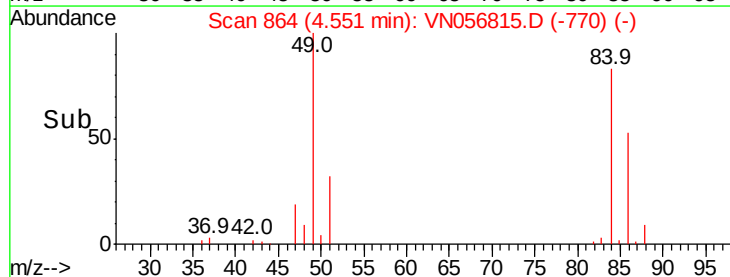
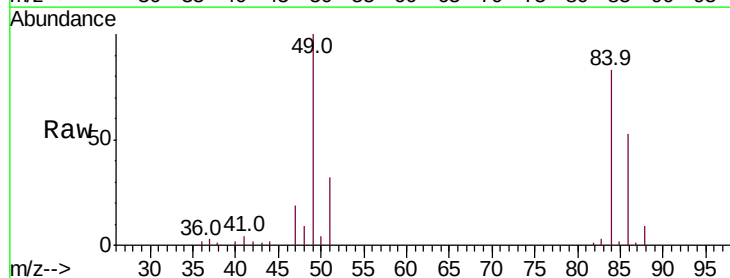
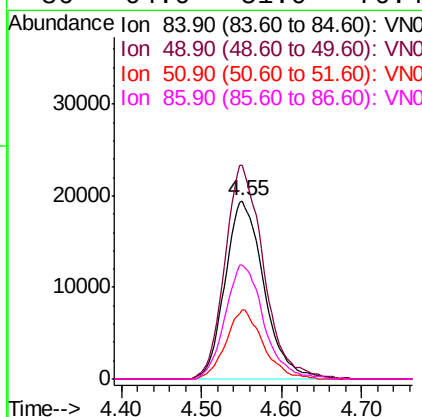
Manual Integrations
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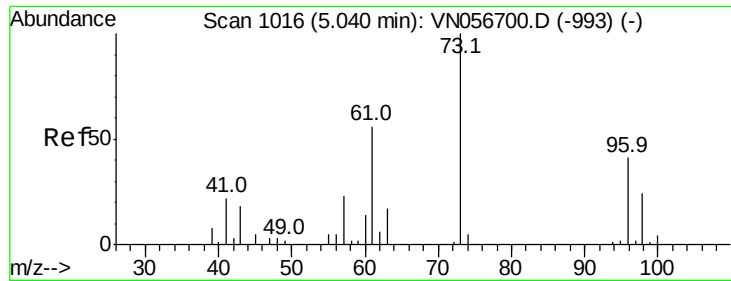
MMDadoda
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#20
Methylene Chloride
Concen: 19.468 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 84 Resp: 64339
Ion Ratio Lower Upper
84 100
49 119.8 98.2 147.4
51 38.5 29.6 44.4
86 64.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.416 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion: 96 Resp: 57241

Ion Ratio Lower Upper

96 100

61 133.7 109.4 164.2

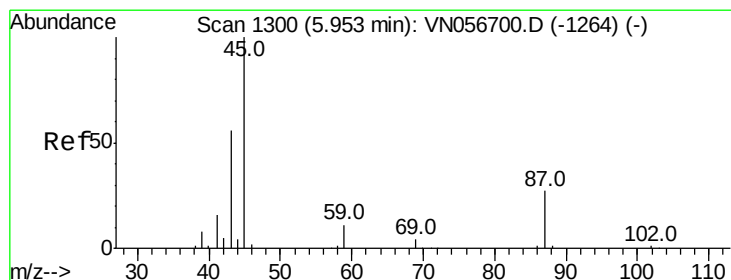
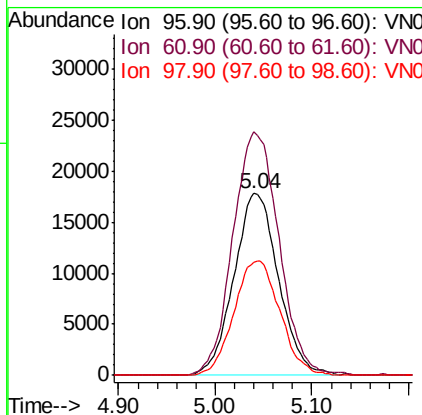
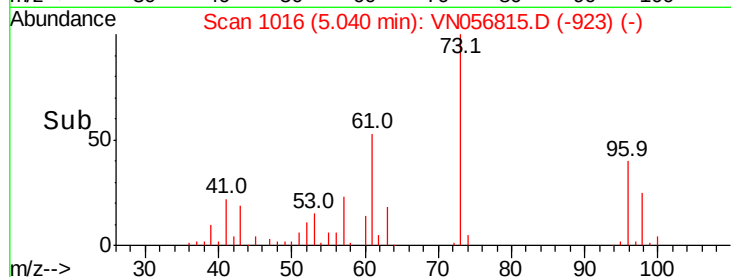
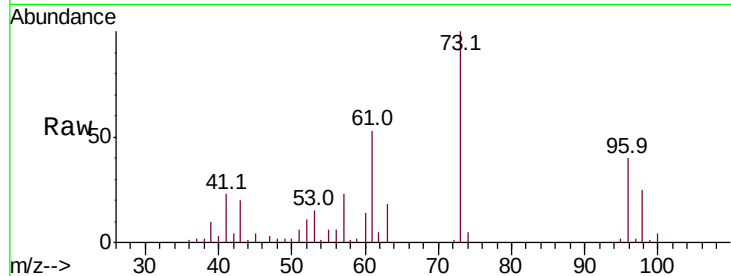
98 62.1 48.0 72.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.227 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion: 45 Resp: 192572

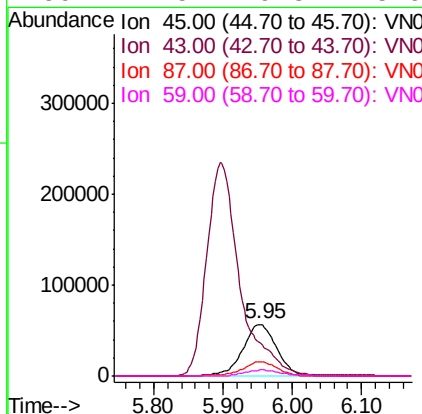
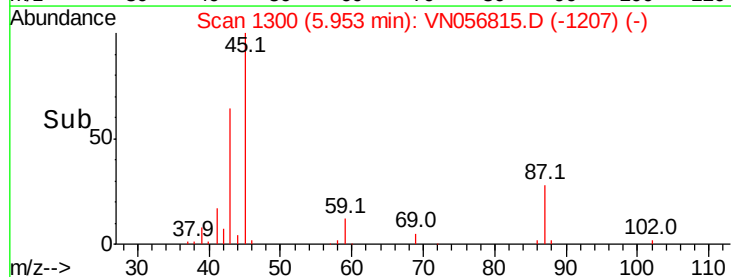
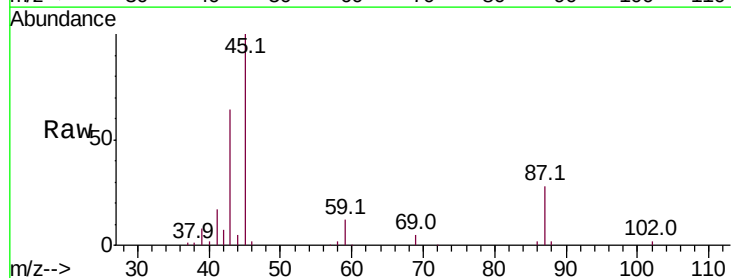
Ion Ratio Lower Upper

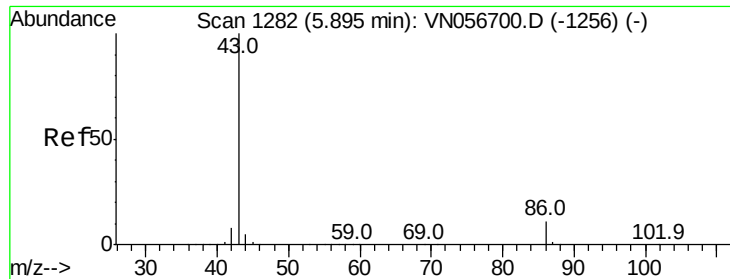
45 100

43 61.8 45.6 68.4

87 27.8 22.0 33.0

59 11.5 9.3 13.9





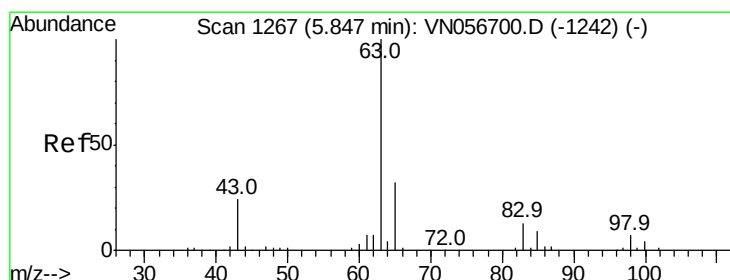
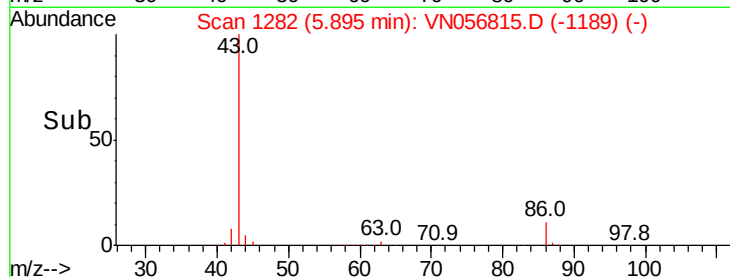
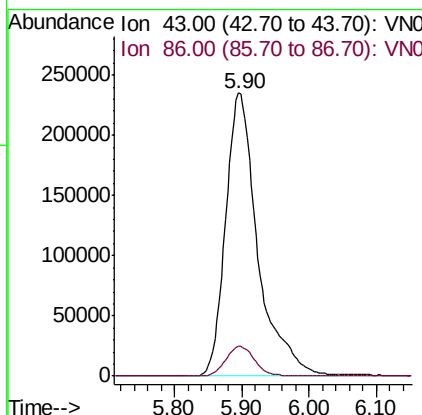
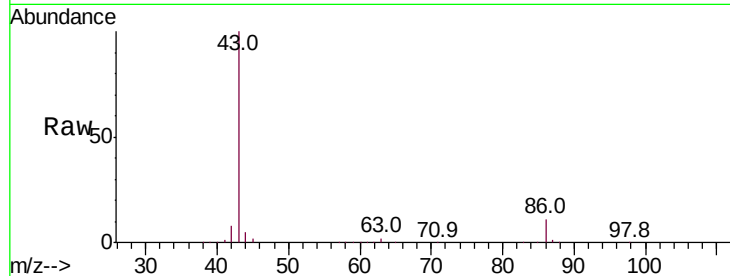
#23
 Vinyl Acetate
 Concen: 101.464 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0718WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.5	12.7

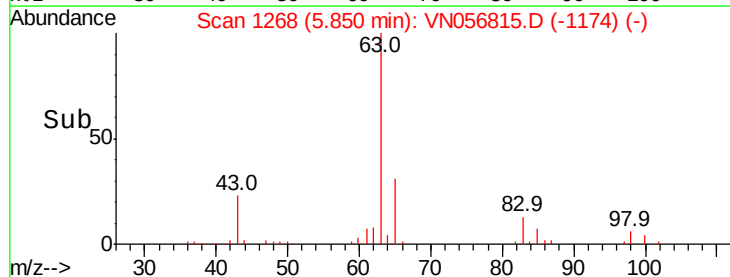
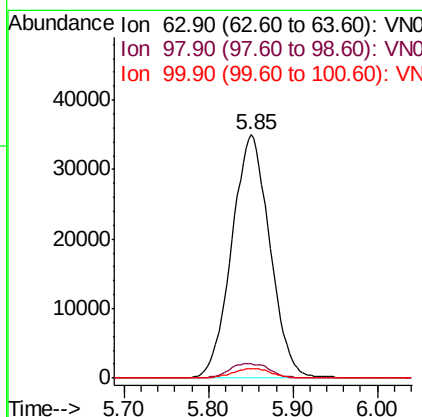
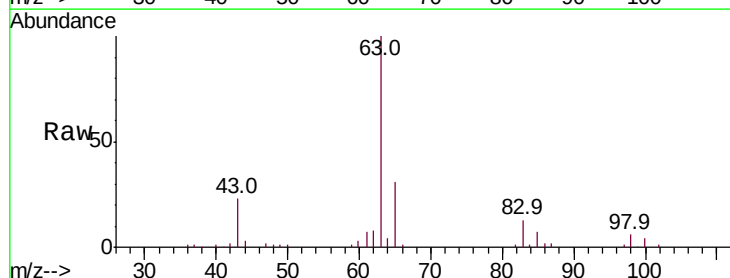
Manual Integrations
 APPROVED

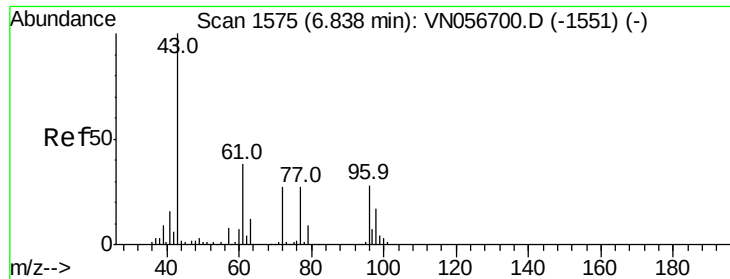
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#24
 1,1-Dichloroethane
 Concen: 19.905 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.9
100	3.9	2.0	5.8





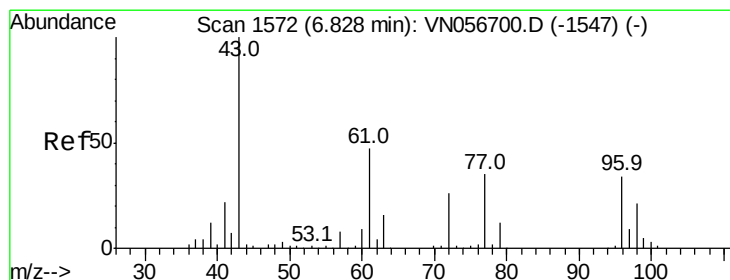
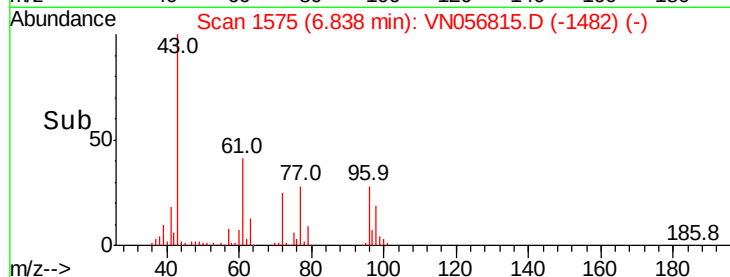
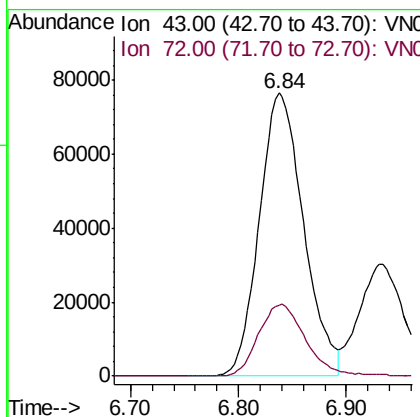
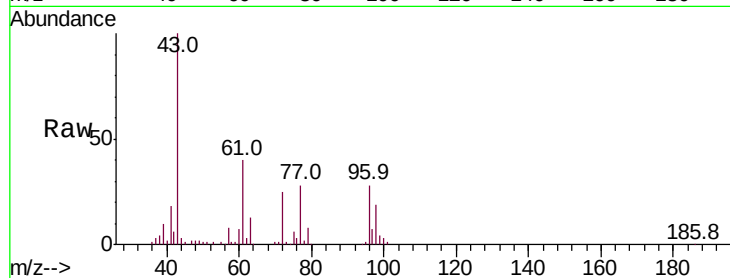
#25
 2-Butanone
 Concen: 98.579 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0718WBS02

Tot Ion: 43 Resp: 217962
 Ion Ratio Lower Upper
 43 100
 72 25.0 21.2 31.8

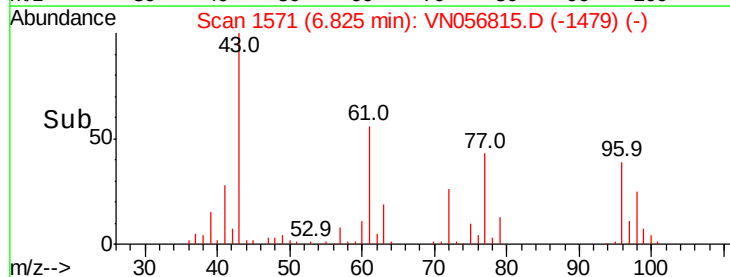
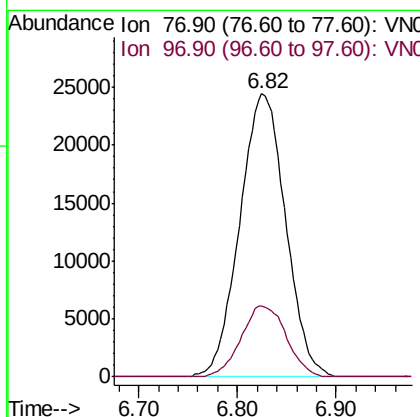
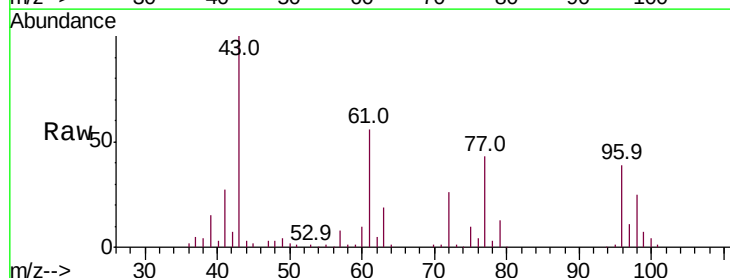
Manual Integrations
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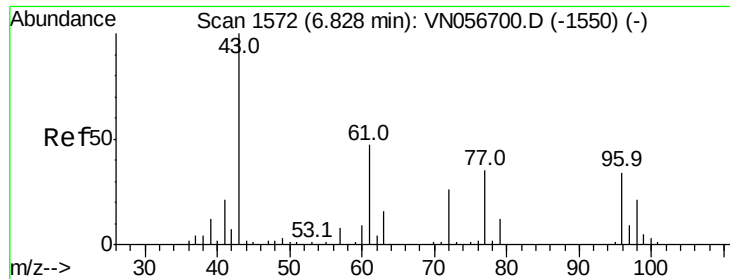
MMDadoda
 7/19/2019 11:31:43 PM



#26
 2,2-Dichloropropane
 Concen: 19.705 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion: 77 Resp: 78426
 Ion Ratio Lower Upper
 77 100
 97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.106 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

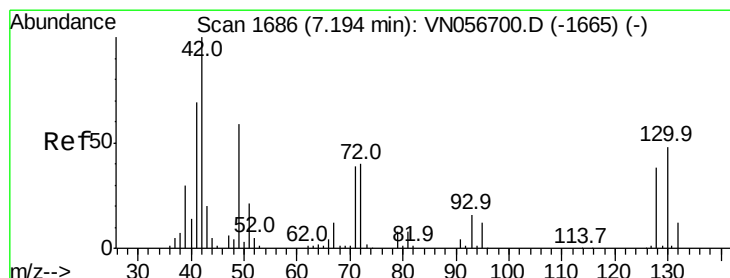
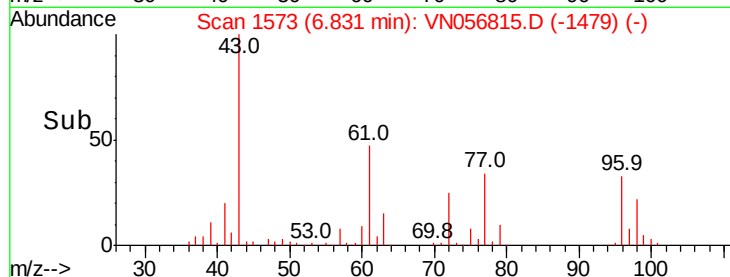
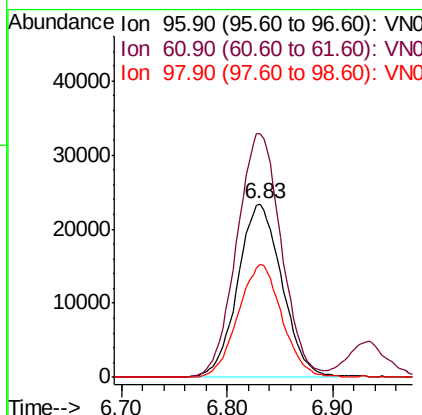
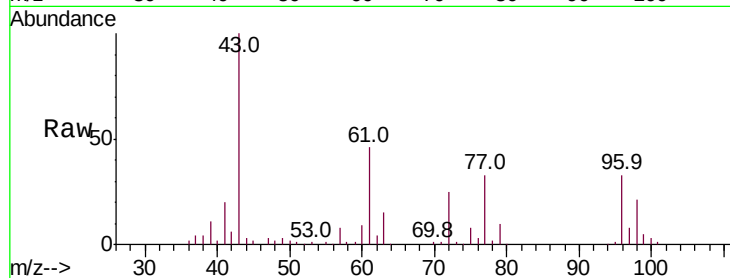
ClientSampleId :

VN0718WBS02

Tot Ion:	96	Resp:	68208
Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	281.4
98	64.7	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 19.219 ug/l

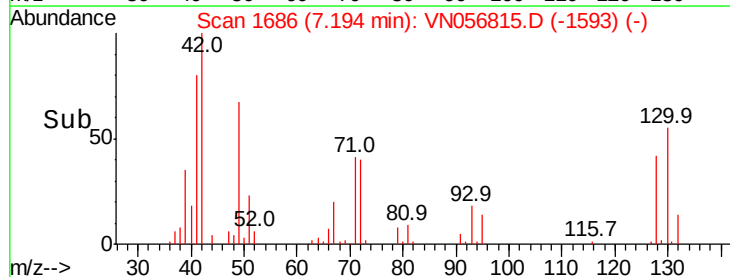
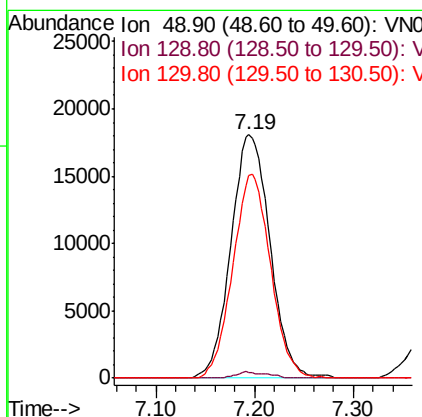
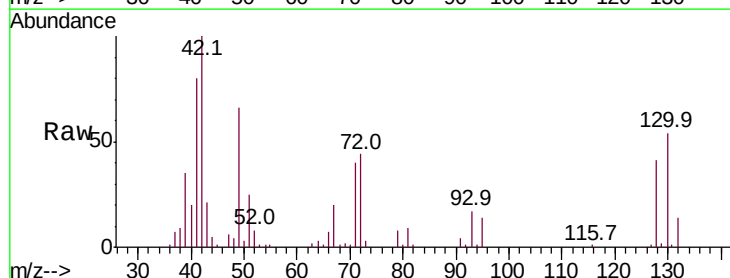
RT: 7.19 min Scan# 1686

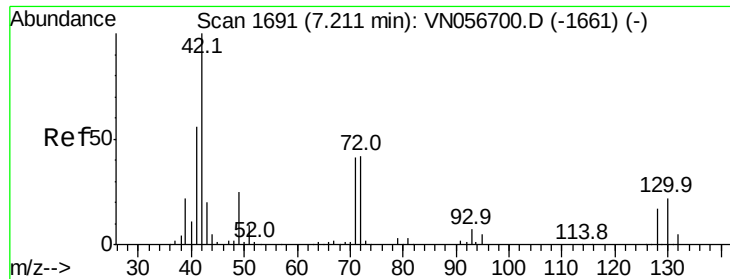
Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion:	49	Resp:	49878
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	80.7	64.7	97.1





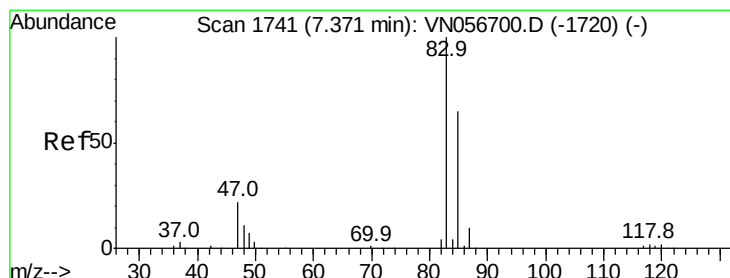
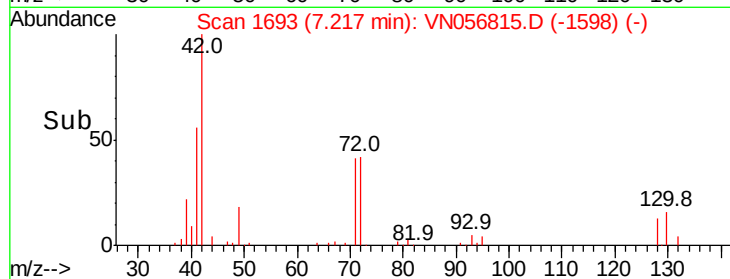
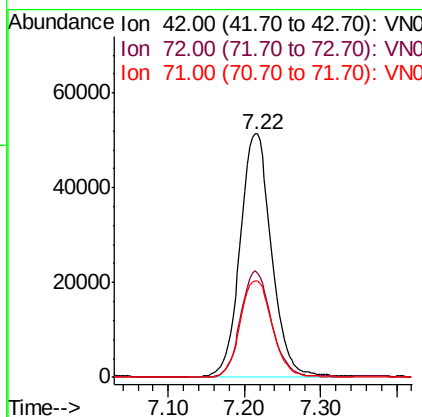
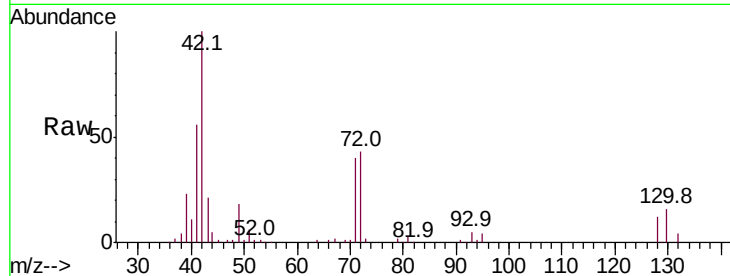
#29
Tetrahydrofuran
Concen: 102.687 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.5	50.3
71	40.4	31.8	47.8

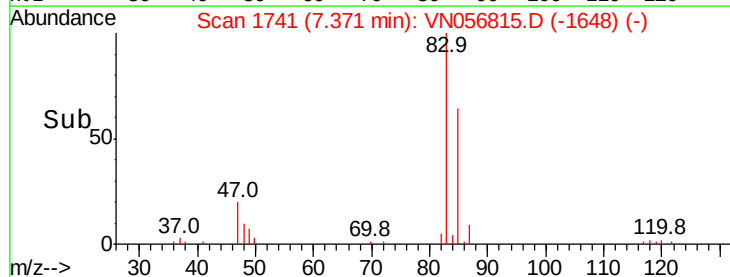
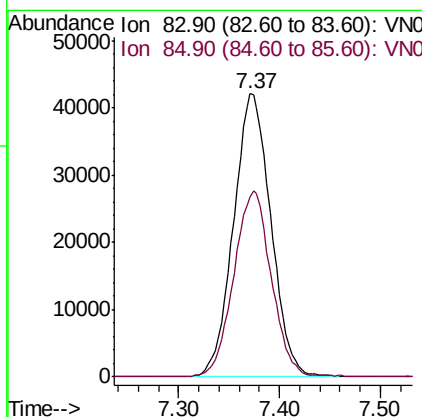
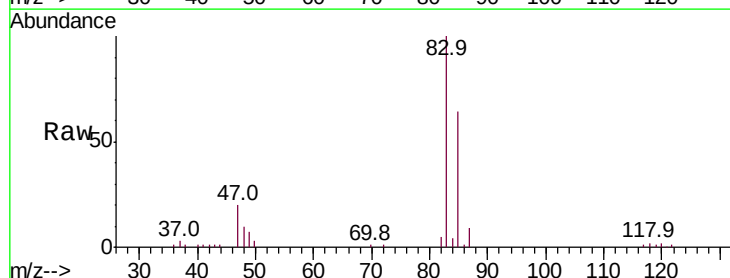
Manual Integrations
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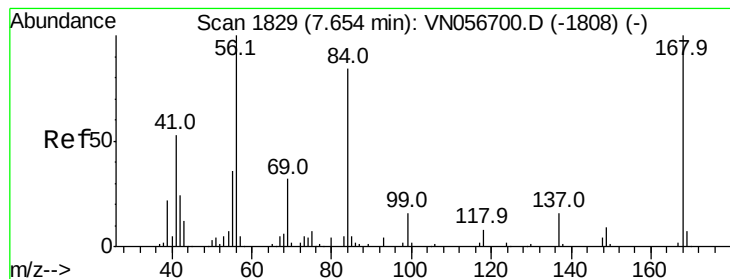
MMDadoda
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#30
Chloroform
Concen: 19.555 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.9	77.9





#31

Cyclohexane

Concen: 19.599 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion: 56 Resp: 102821

Ion Ratio Lower Upper

56 100

69 35.2 25.8 38.8

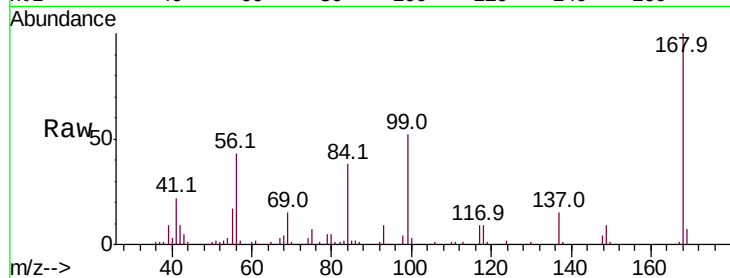
84 87.8 67.4 101.0

Manual Integrations

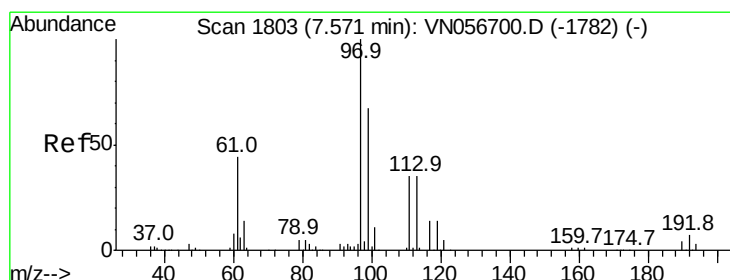
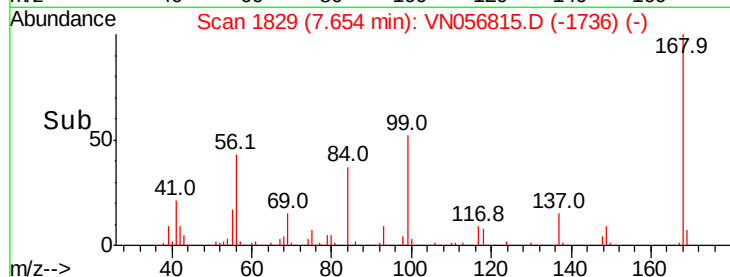
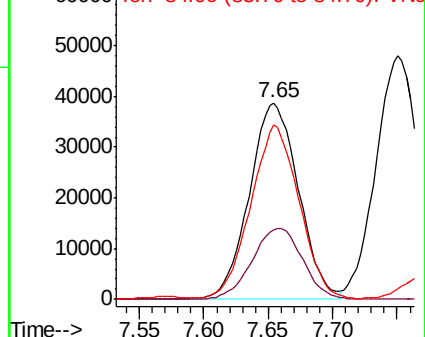
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.434 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

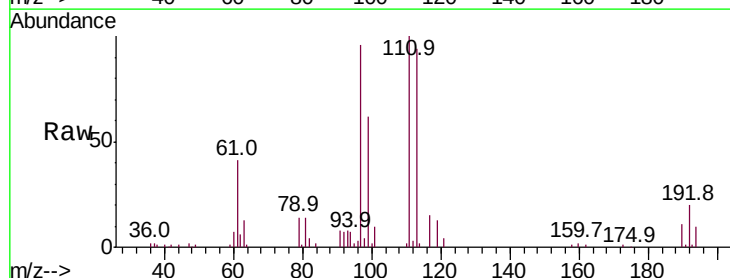
Tgt Ion: 97 Resp: 89263

Ion Ratio Lower Upper

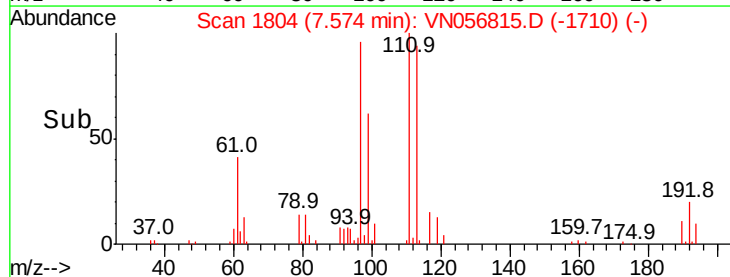
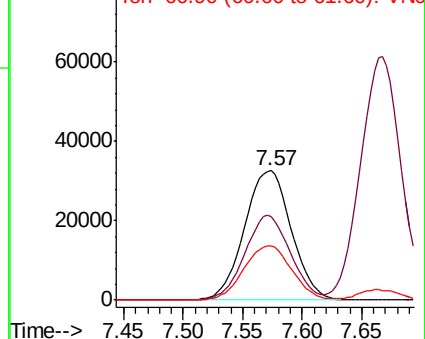
97 100

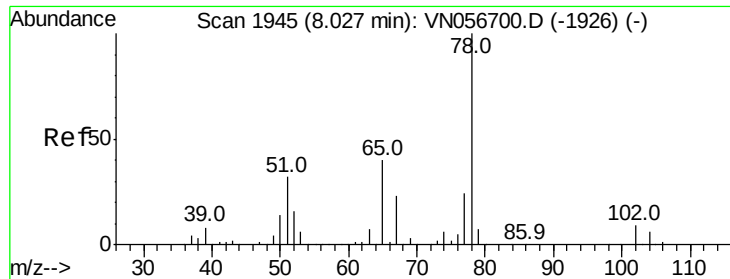
99 63.8 52.0 78.0

61 42.7 34.3 51.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





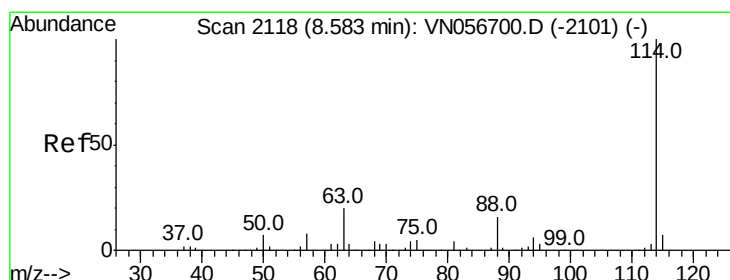
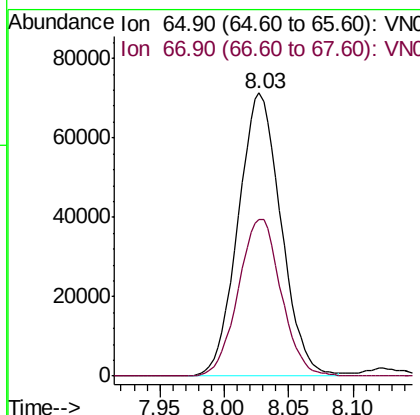
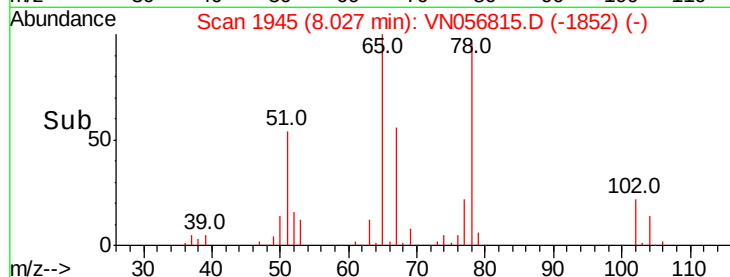
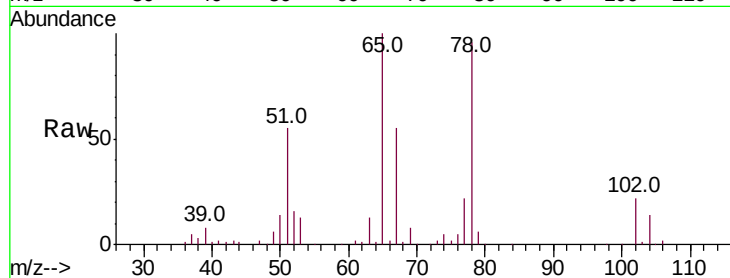
#33
 1,2-Dichloroethane-d4
 Concen: 50.223 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	109.0	

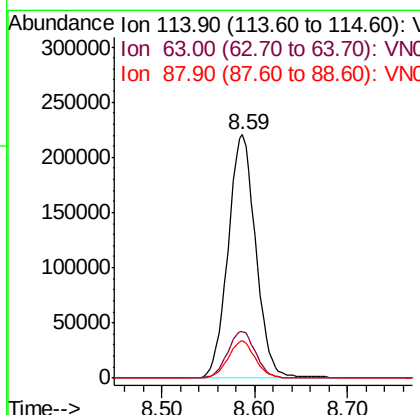
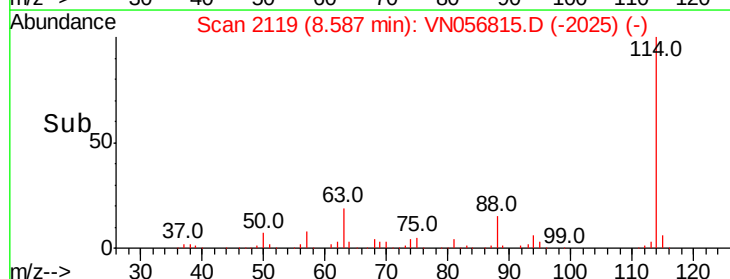
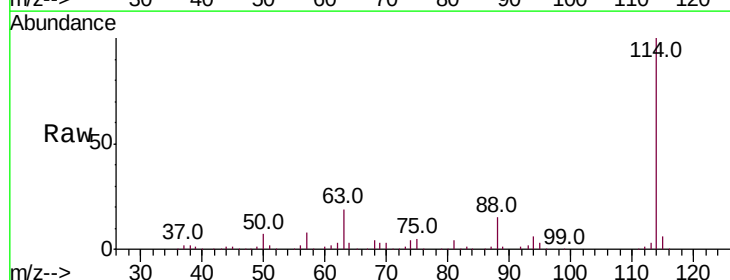
Manual Integrations
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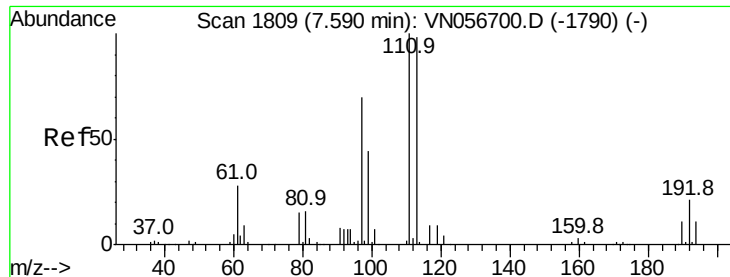
MMDadoda
 7/19/2019 11:31:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	39.4	
88	15.2	0.0	31.2	





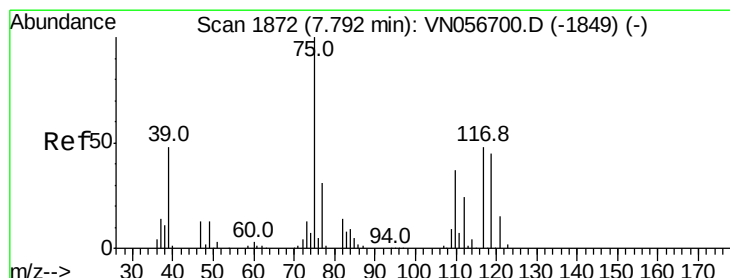
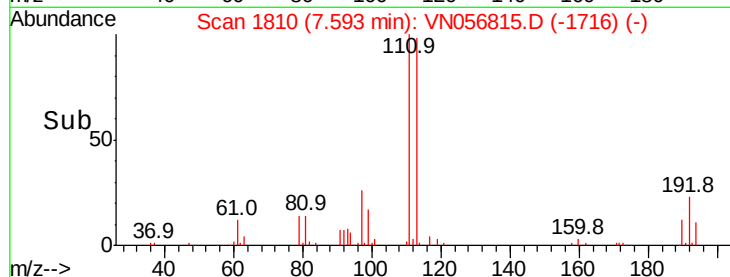
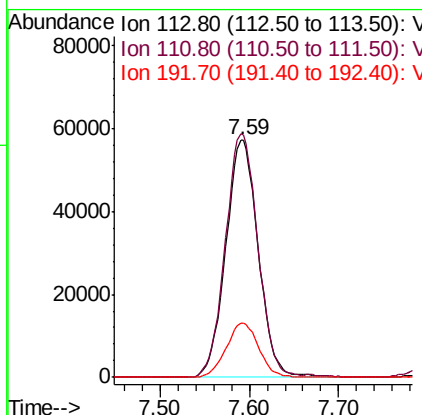
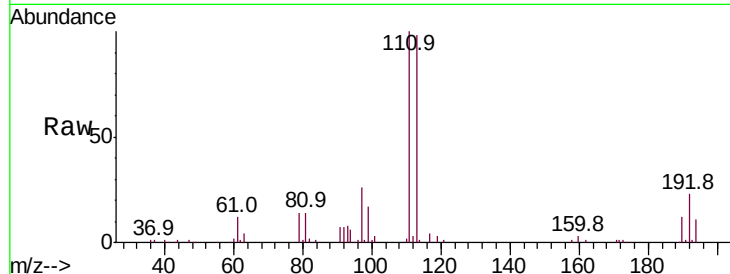
#35
Dibromofluoromethane
Concen: 50.809 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	22.8	17.5	26.3

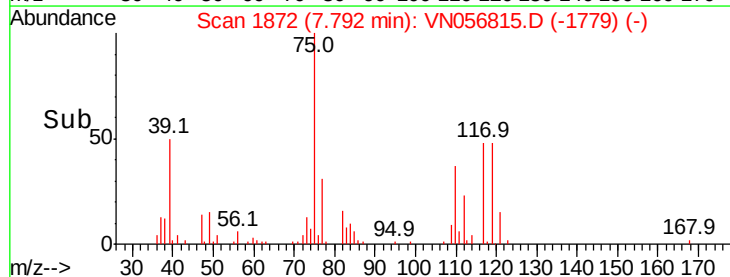
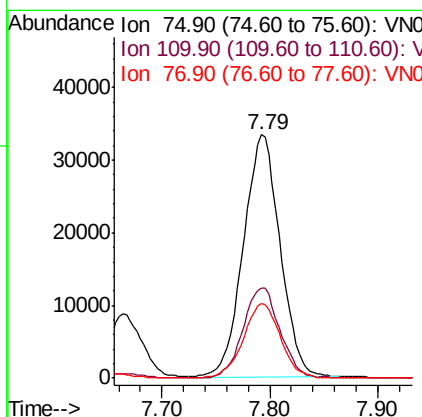
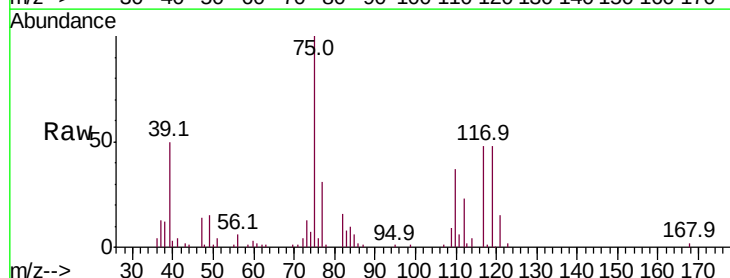
Manual Integrations
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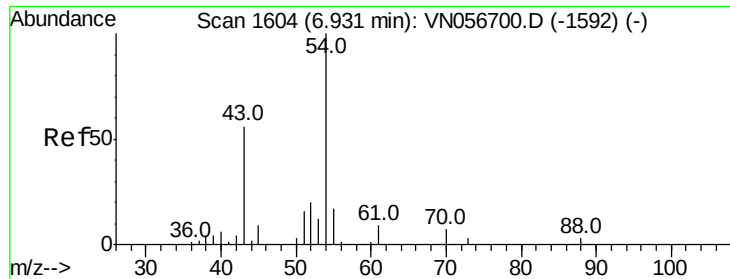
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.683 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.4	55.4
77	30.9	24.6	36.8





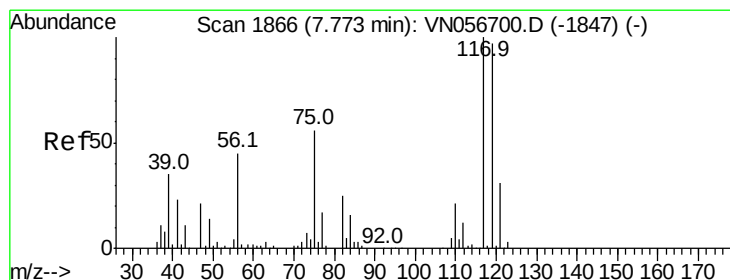
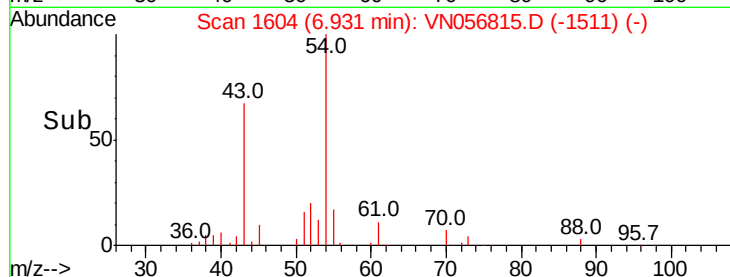
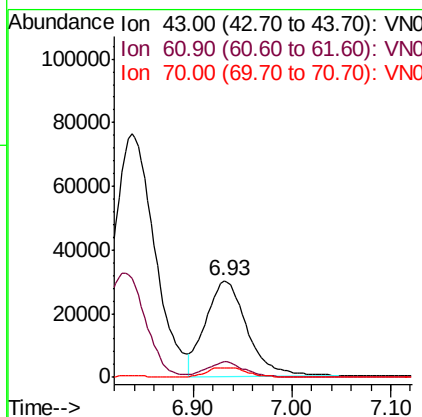
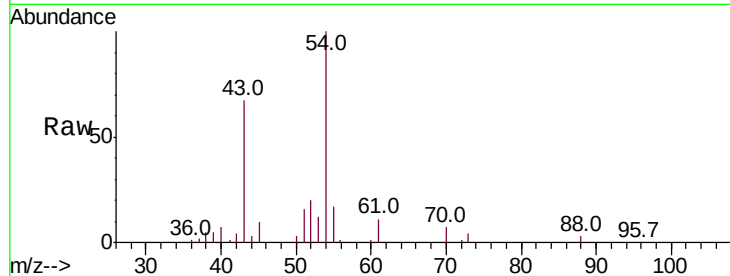
#37
Ethyl Acetate
Concen: 21.084 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	43	61	70
Ion Ratio	100	14.9	10.3
Lower		11.3	8.5
Upper		16.9	12.7

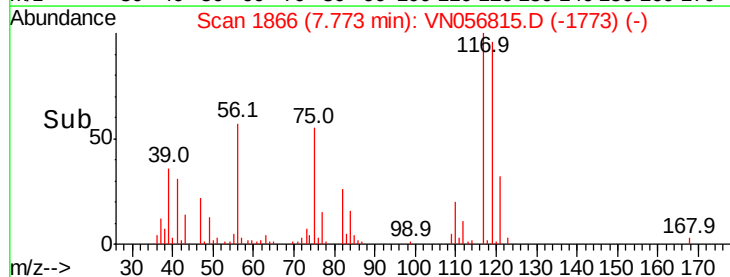
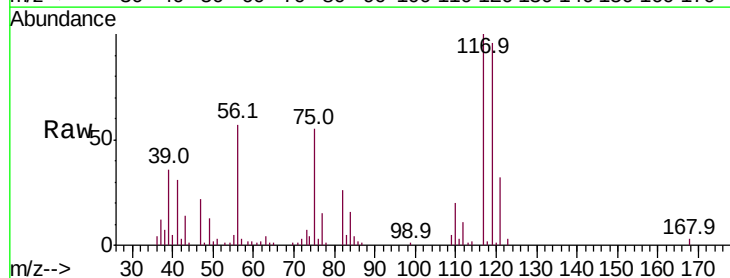
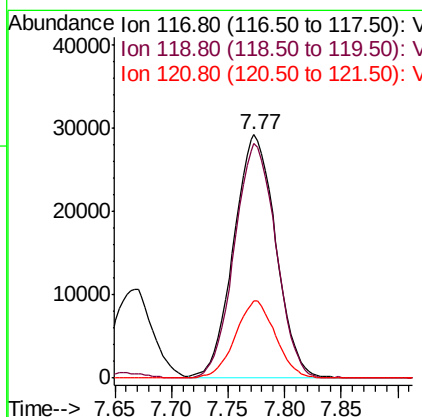
Manual Integrations
APPROVED

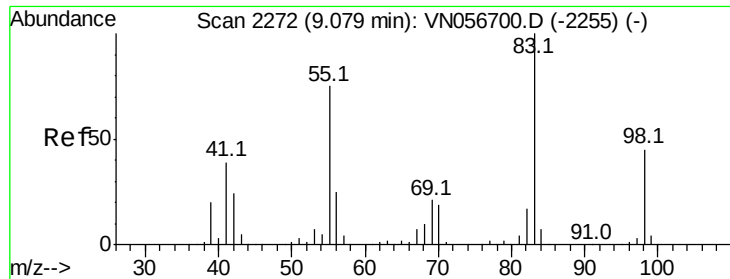
MMDadoda
7/19/2019 11:31:43 PM



#38
Carbon Tetrachloride
Concen: 19.085 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	117	119	121
Ion Ratio	100	96.3	31.7
Lower		77.5	24.7
Upper		116.3	37.1





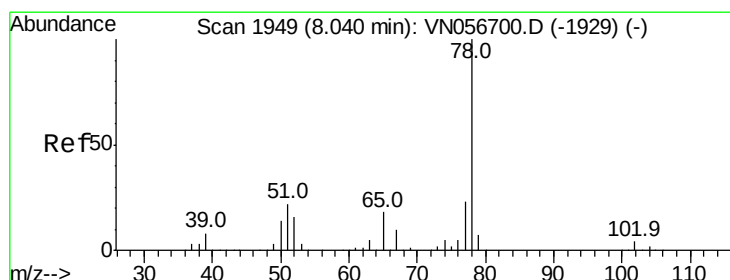
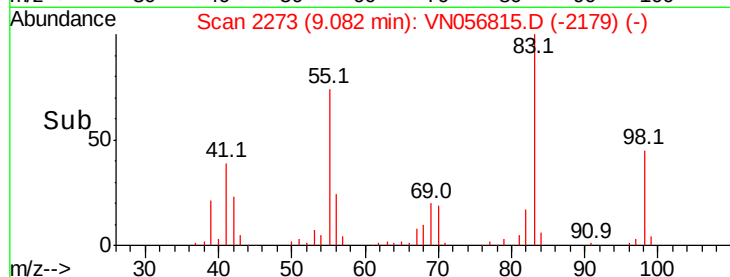
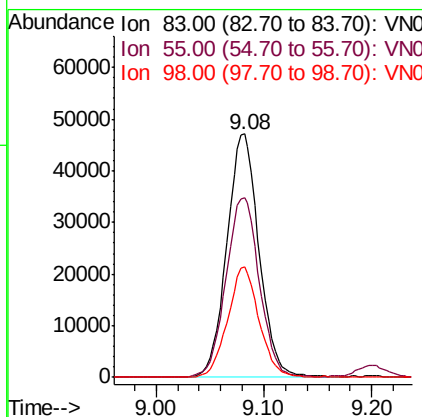
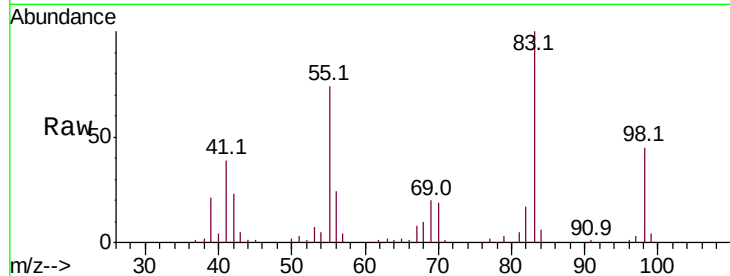
#39
Methylvlcyclohexane
Concen: 18.824 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	60.4	90.6
98	45.3	35.8	53.8

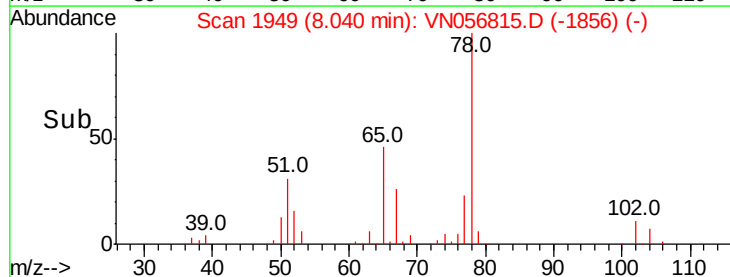
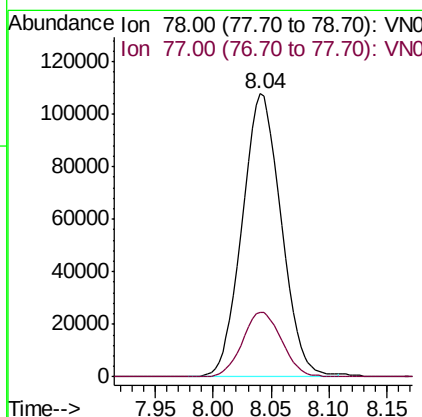
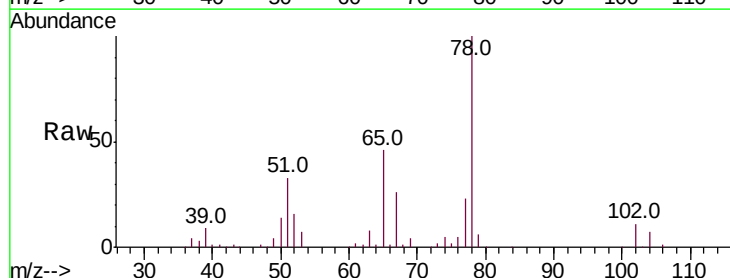
Manual Integrations
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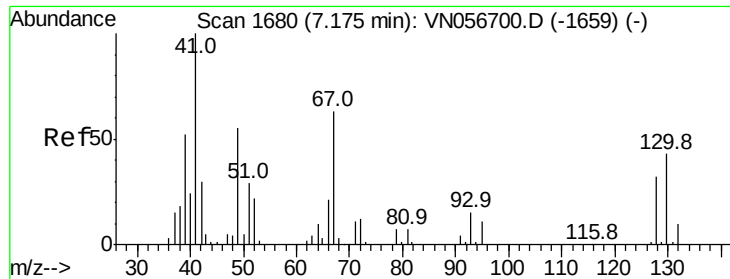
MMDadoda
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#40
Benzene
Concen: 19.552 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.6	27.8





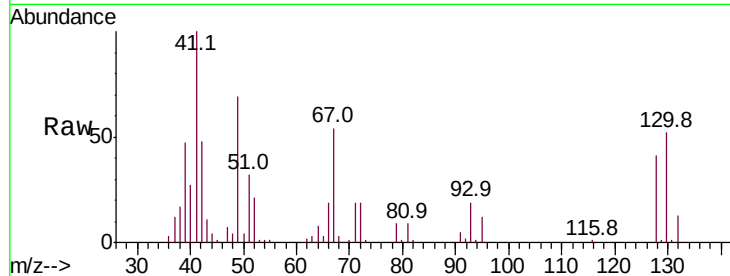
#41
Methacrylonitrile
Concen: 20.721 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

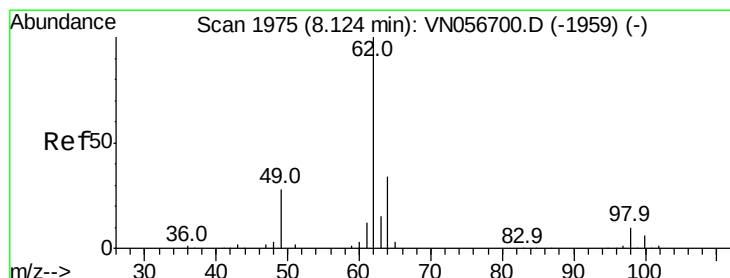
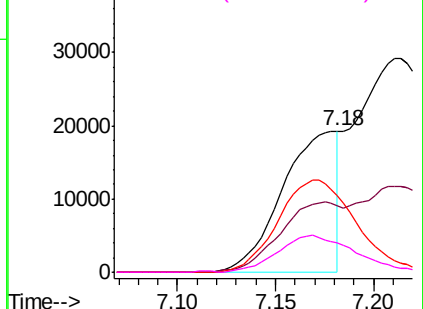
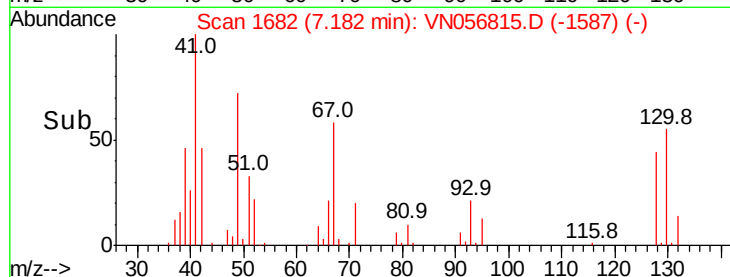
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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7/19/2019 11:31:43 PM

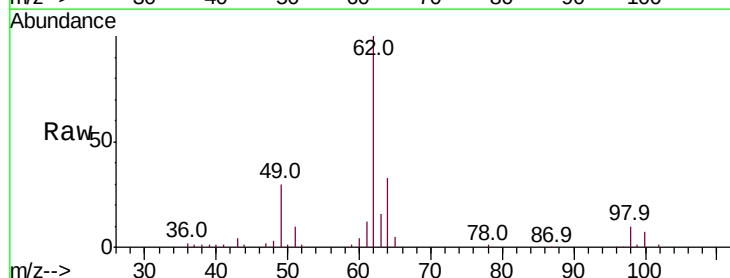


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

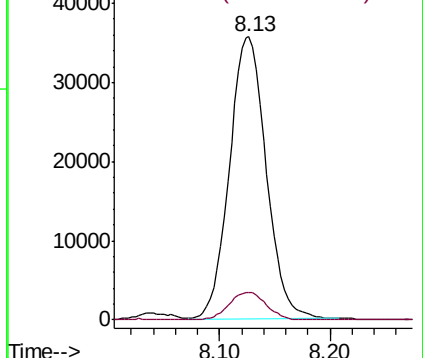
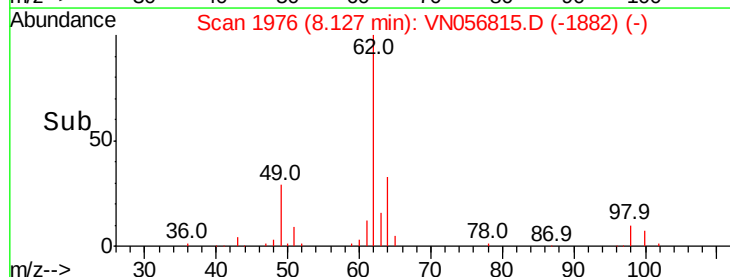


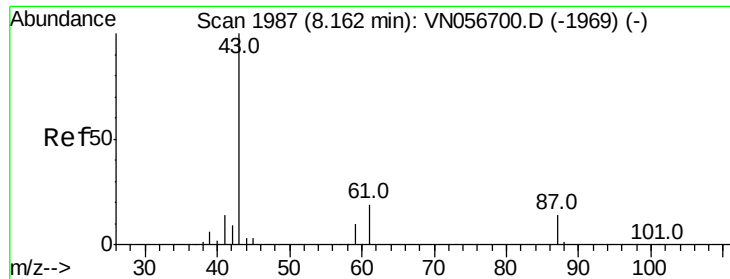
#42
1,2-Dichloroethane
Concen: 20.134 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

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: 19.885 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

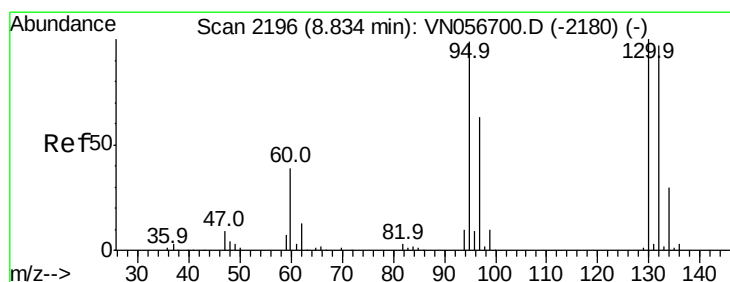
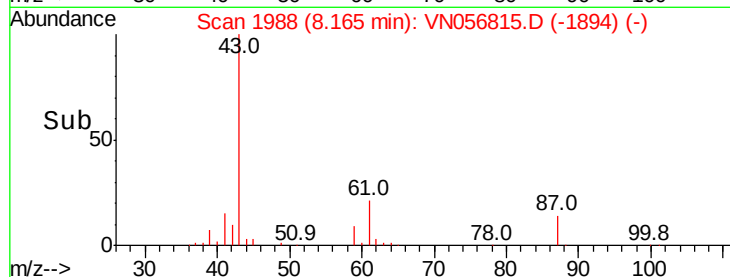
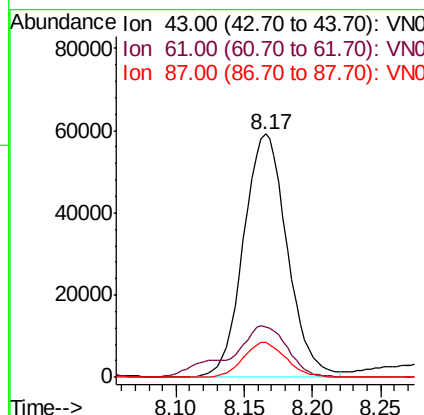
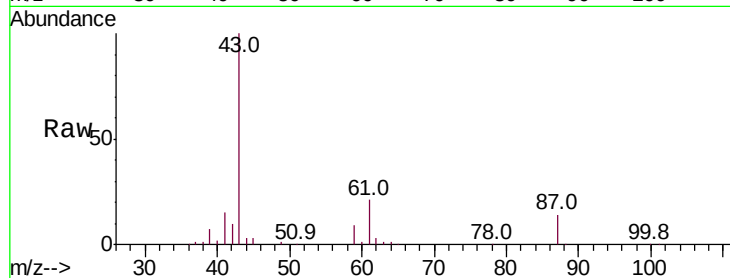
ClientSampleId :

VN0718WBS02

Tot Ion:	43	Resp:	130213
Ion Ratio	Lower	Upper	
43	100		
61	21.9	22.3	33.5#
87	14.1	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 19.667 ug/l

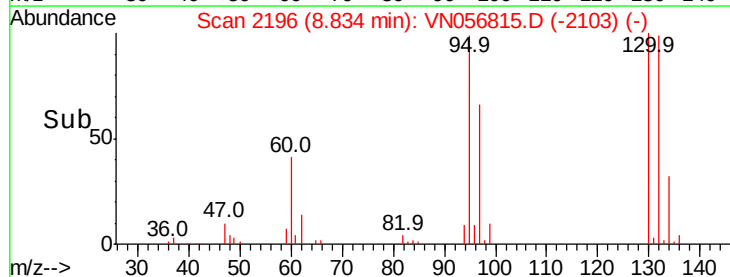
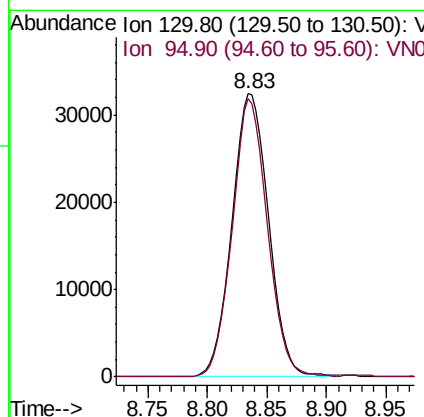
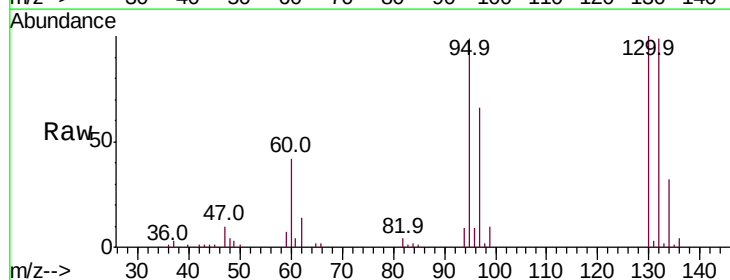
RT: 8.83 min Scan# 2196

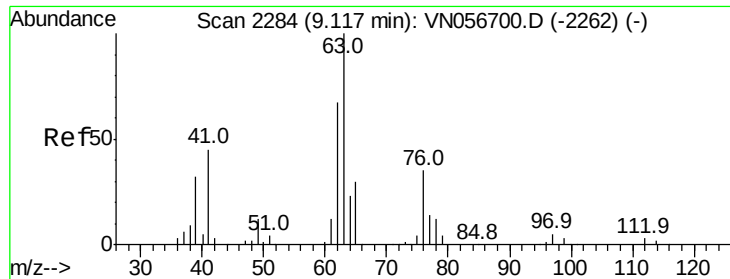
Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion:	130	Resp:	69158
Ion Ratio	Lower	Upper	
130	100		
95	98.5	0.0	197.2





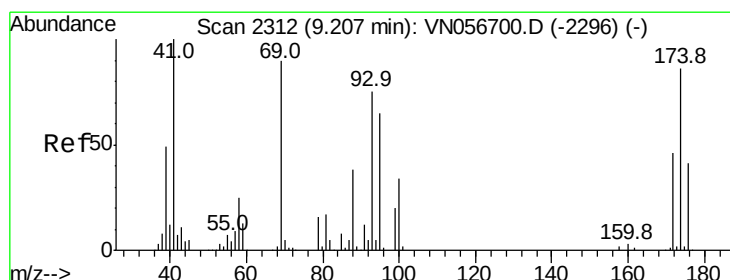
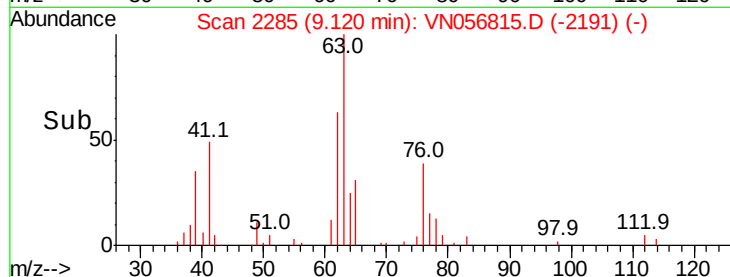
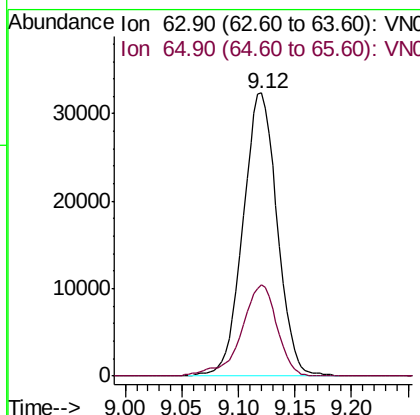
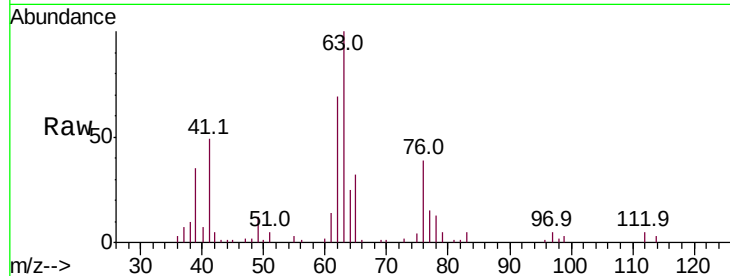
#45
 1,2-Dichloropropane
 Concen: 19.804 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.0	36.0

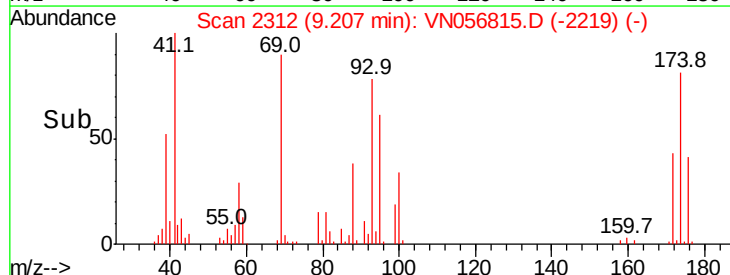
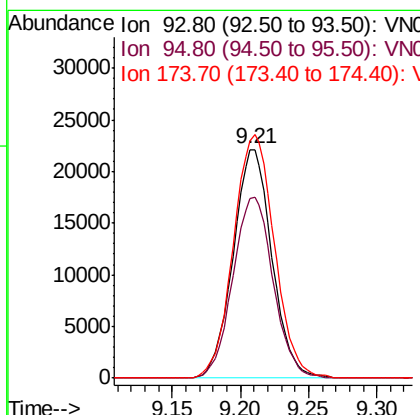
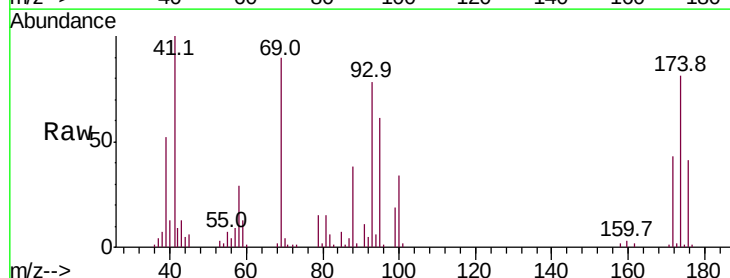
Manual Integrations
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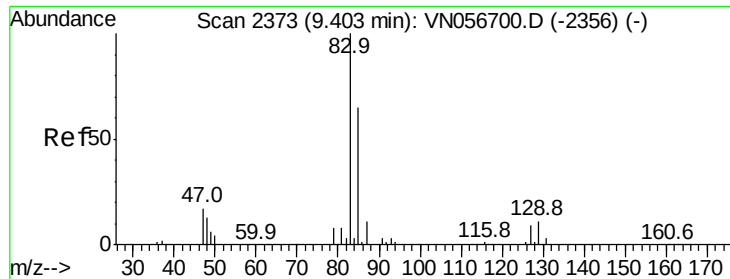
MMDadoda
 7/19/2019 11:31:43 PM



#46
 Dibromomethane
 Concen: 20.483 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	67.4	101.0
174	112.5	90.3	135.5





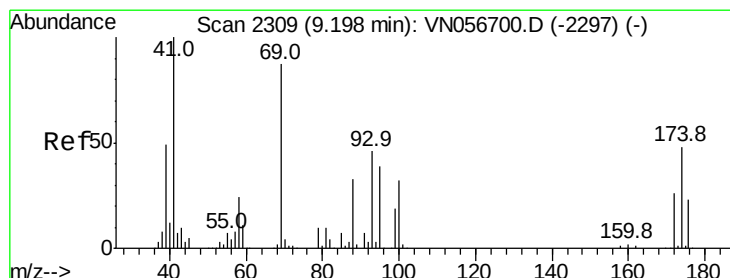
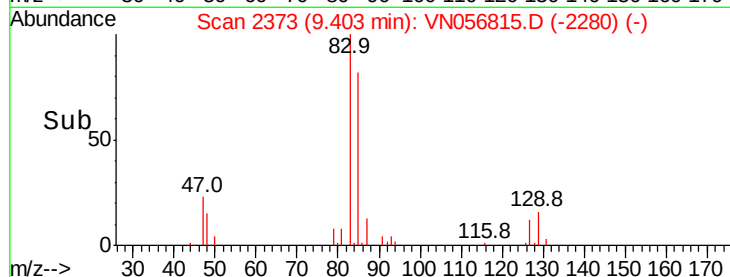
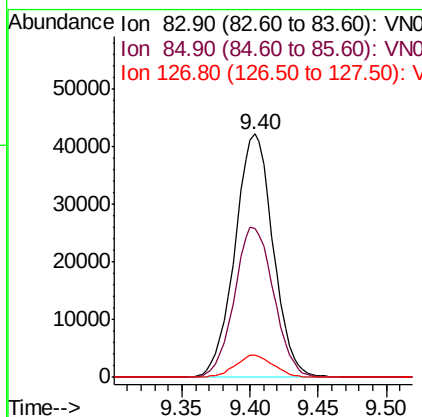
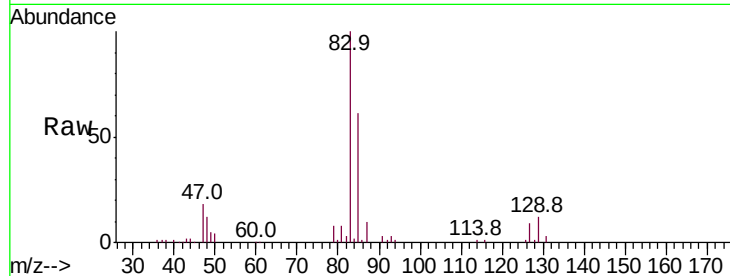
#47
Bromodichloromethane
Concen: 20.266 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	83	Resp	82118
Ion Ratio	100	Lower	Upper
83	100		
85	61.1	52.3	78.5
127	9.0	7.6	11.4

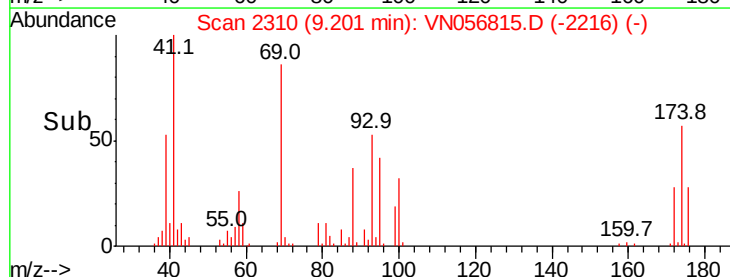
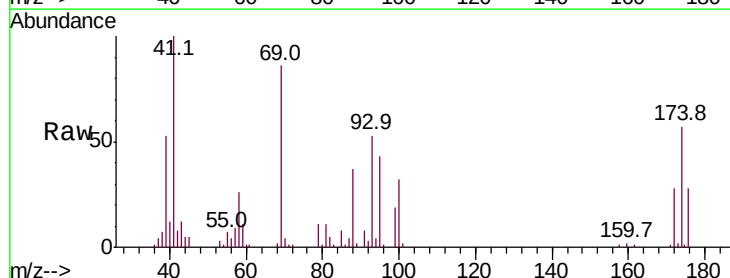
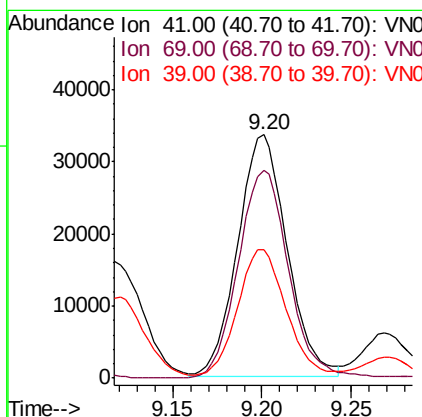
Manual Integrations
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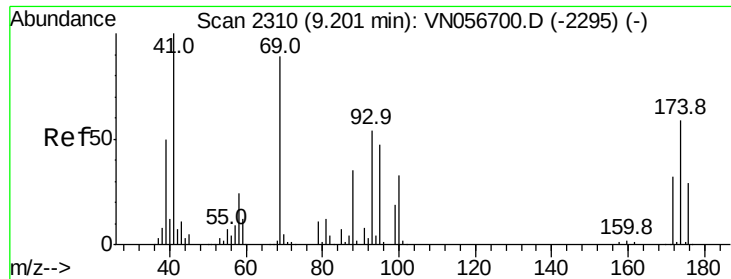
MMDadoda
7/19/2019 11:31:43 PM



#48
Methyl methacrylate
Concen: 20.498 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	41	Resp	64915
Ion Ratio	100	Lower	Upper
41	100		
69	88.0	71.4	107.0
39	52.4	41.2	61.8





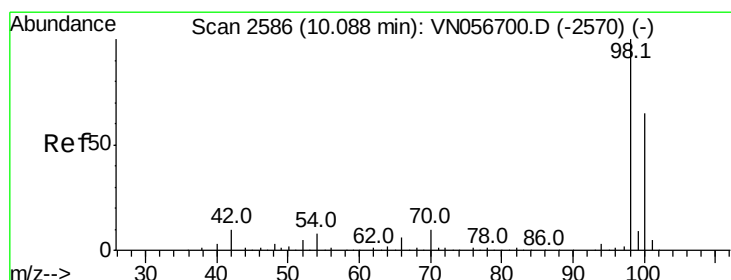
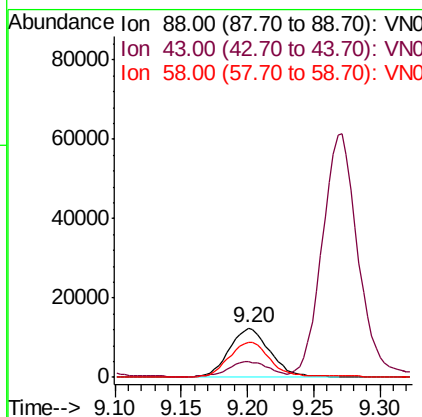
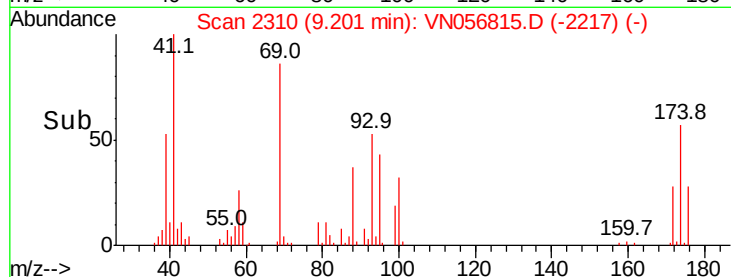
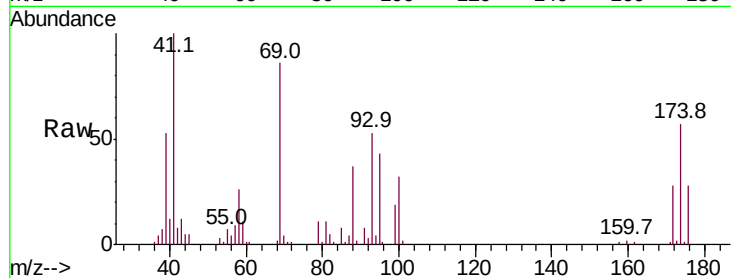
#49
1,4-Dioxane
Concen: 408.526 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.7	35.5
58	73.4	55.6	83.4

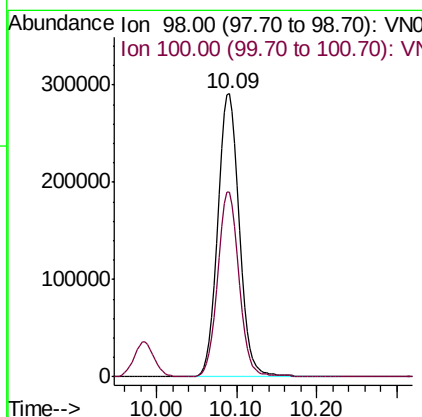
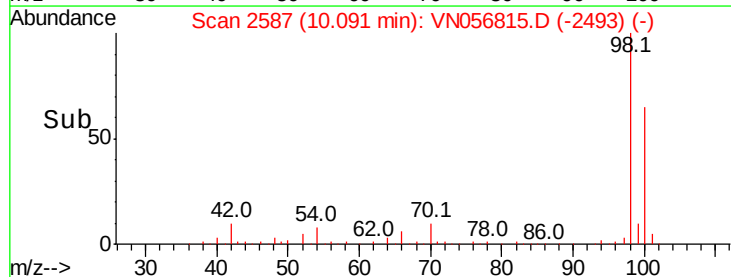
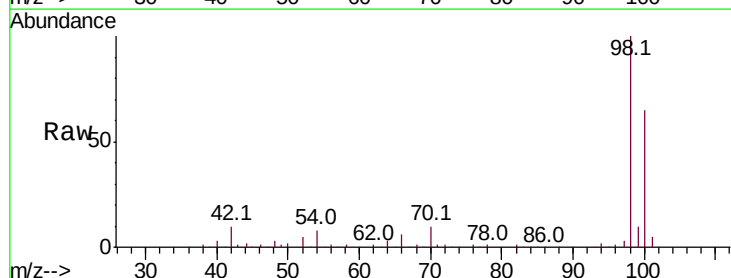
Manual Integrations
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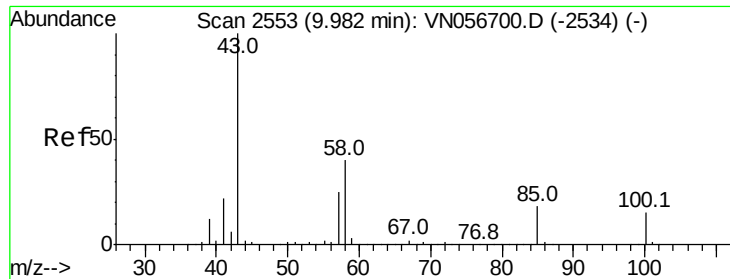
MMDadoda
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#50
Toluene-d8
Concen: 50.013 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 102.137 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleID :

VN0718WBS02

Tot Ion: 43 Resp: 433185

Ion Ratio Lower Upper

43 100

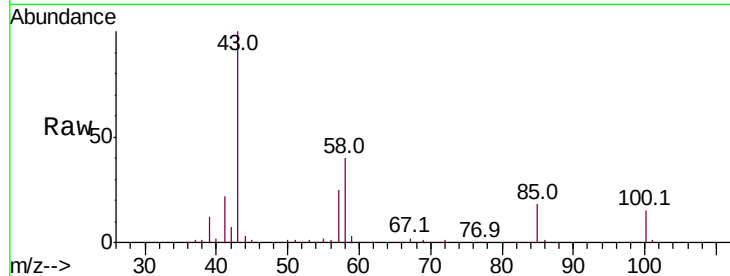
58 40.1 32.0 48.0

Manual Integrations

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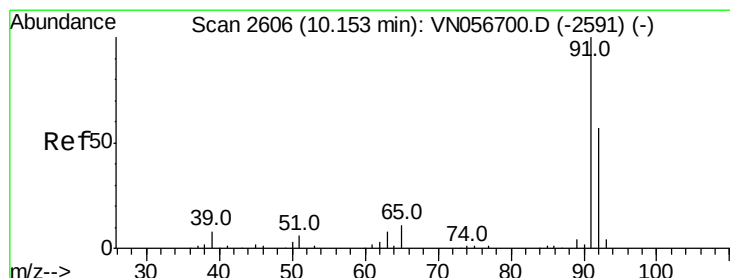
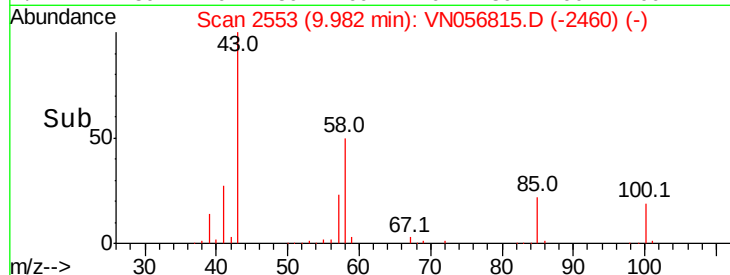
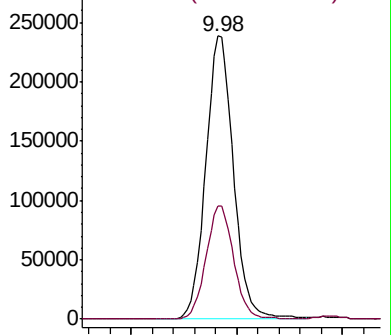
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.150 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056815.D

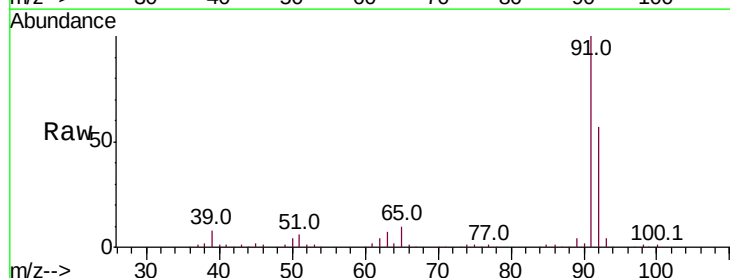
Acq: 18 Jul 2019 16:27

Tgt Ion: 92 Resp: 154958

Ion Ratio Lower Upper

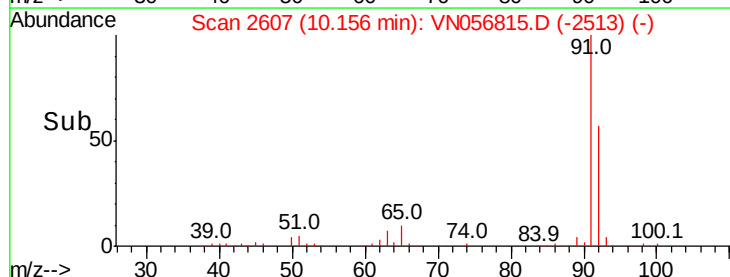
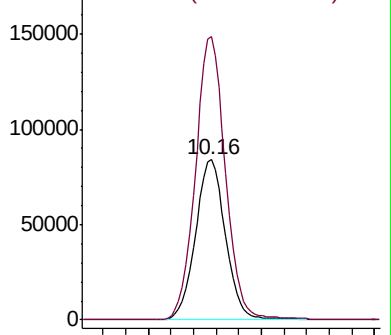
92 100

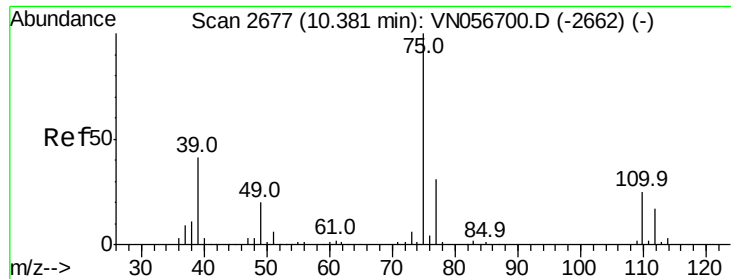
91 176.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





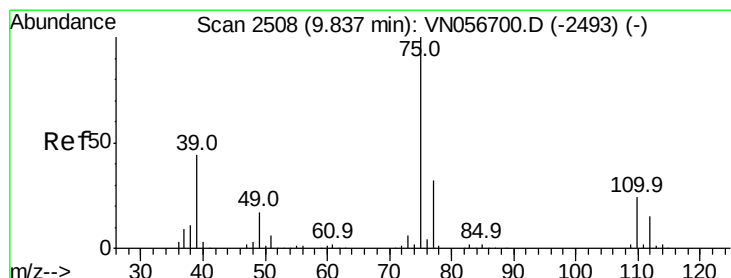
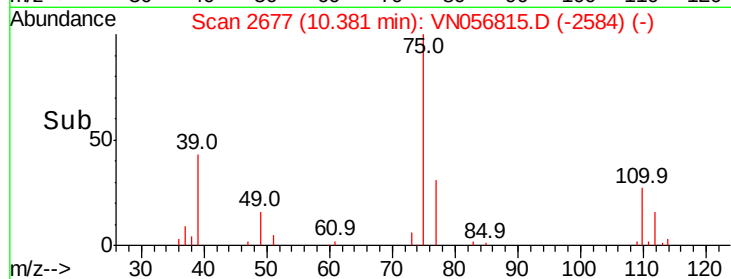
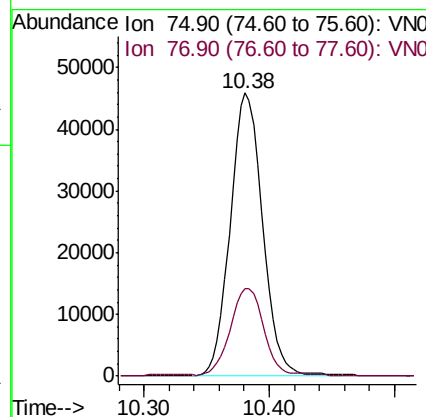
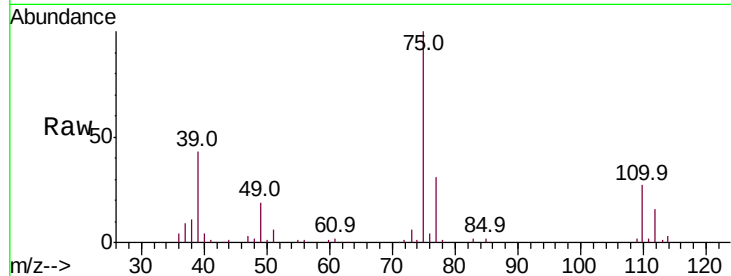
#53
t-1,3-Dichloropropene
Concen: 19.465 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion: 75 Resp: 82289
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6

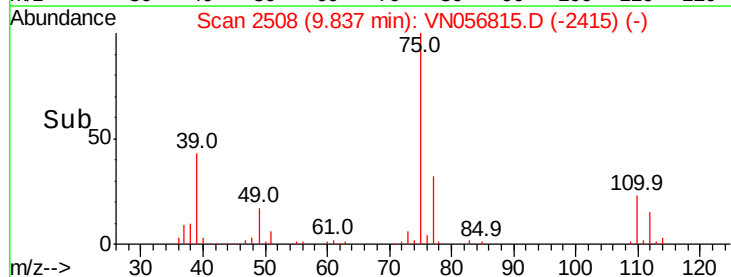
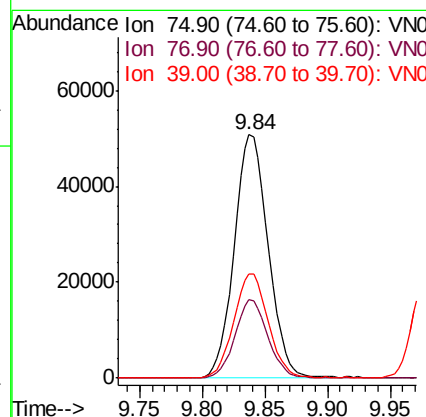
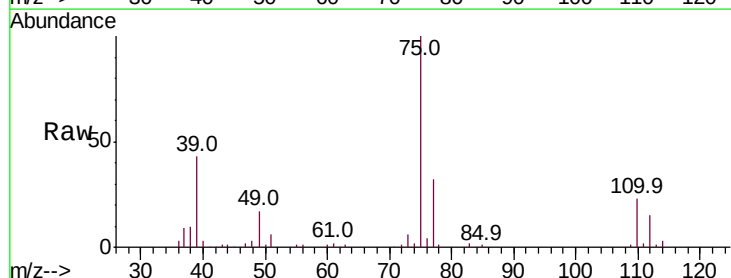
Manual Integrations
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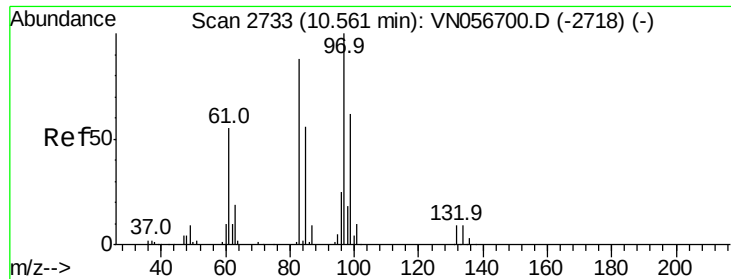
MMDadoda
7/19/2019 11:31:43 PM



#54
cis-1,3-Dichloropropene
Concen: 19.474 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 75 Resp: 95534
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0
39 42.9 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 19.731 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

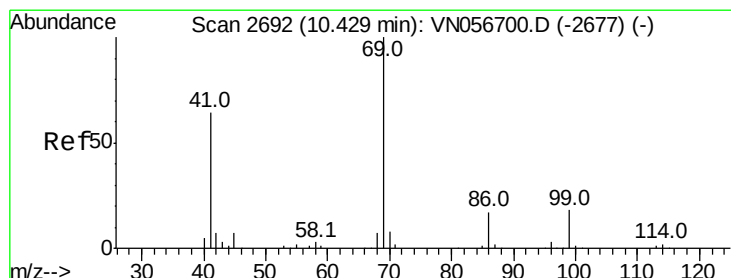
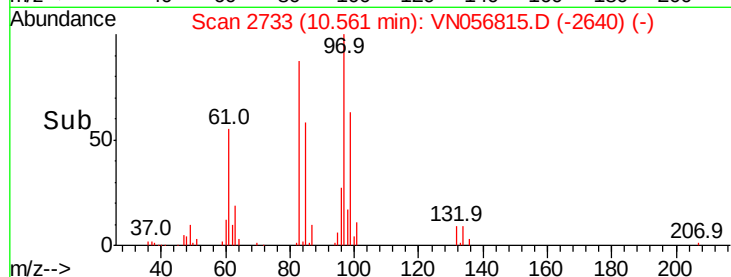
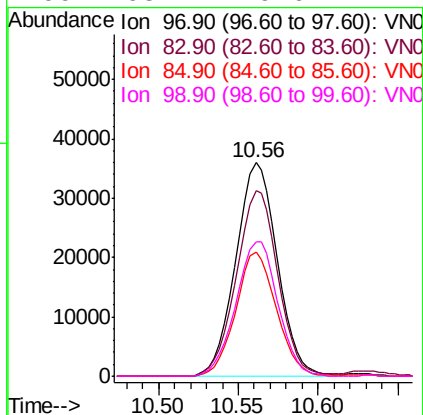
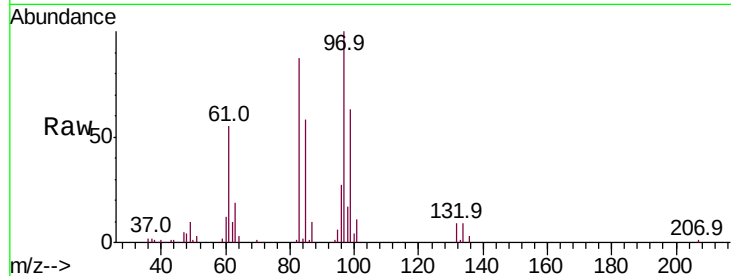
ClientSampleId :

VN0718WBS02

Tot Ion:	97	Resp:	63645
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.3	105.5
85	57.9	44.8	67.2
99	63.2	49.6	74.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.246 ug/l

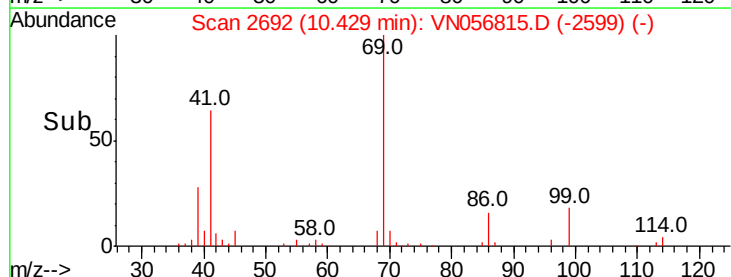
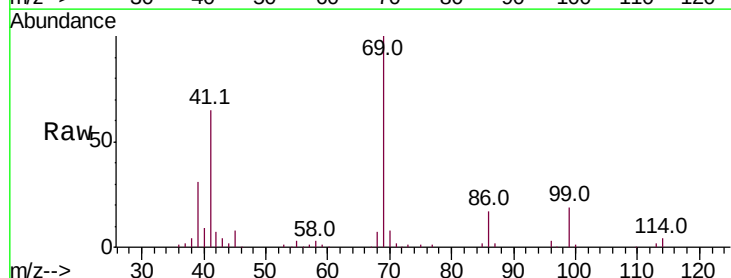
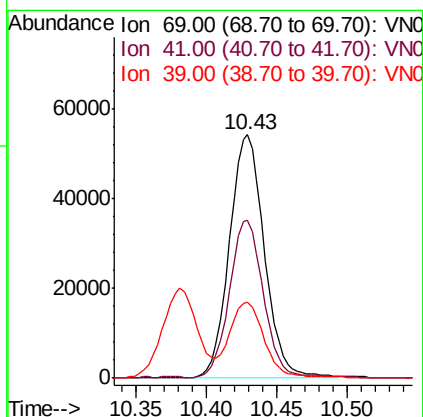
RT: 10.43 min Scan# 2692

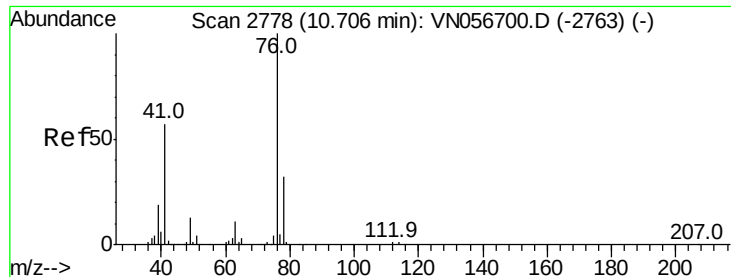
Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion:	69	Resp:	93966
Ion	Ratio	Lower	Upper
69	100		
41	62.7	51.0	76.4
39	30.5	24.6	36.8





#57

1,3-Dichloropropane

Concen: 19.968 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion: 76 Resp: 105194

Ion Ratio Lower Upper

76 100

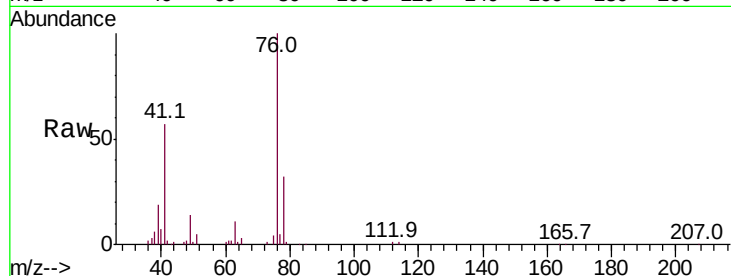
78 32.3 26.0 39.0

Manual Integrations

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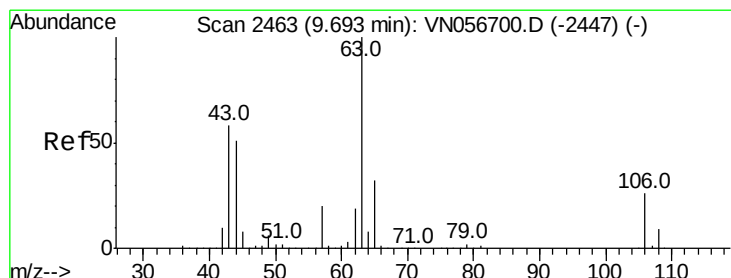
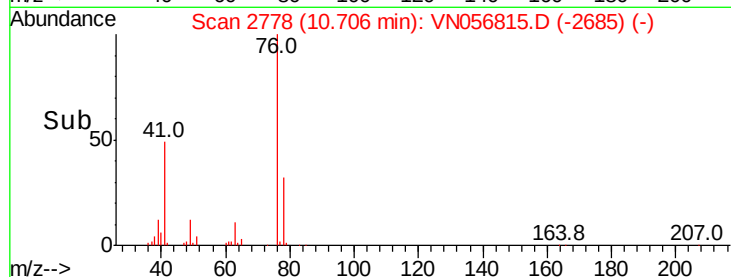
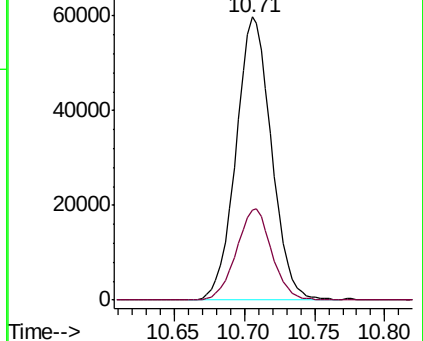
MMDadoda

7/19/2019 11:31:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.657 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056815.D

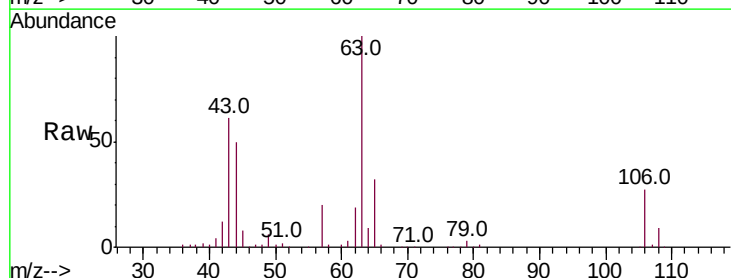
Acq: 18 Jul 2019 16:27

Tgt Ion: 63 Resp: 222416

Ion Ratio Lower Upper

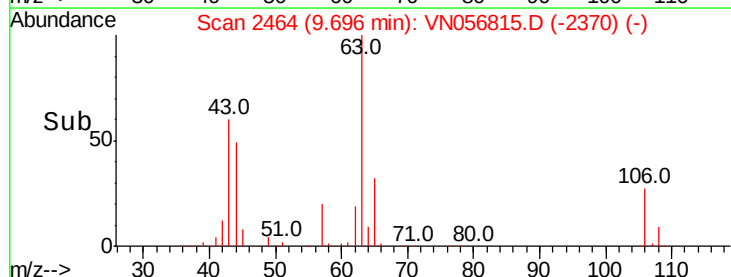
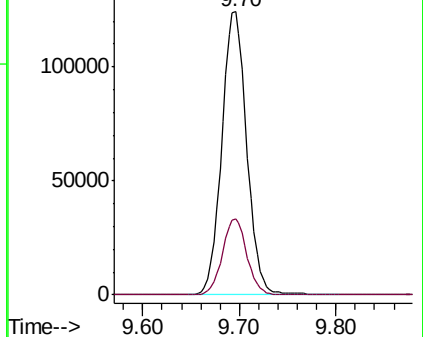
63 100

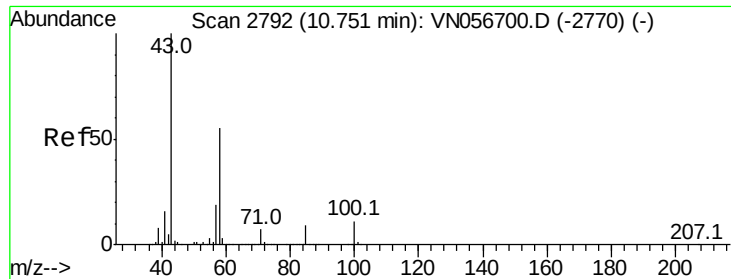
106 26.2 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





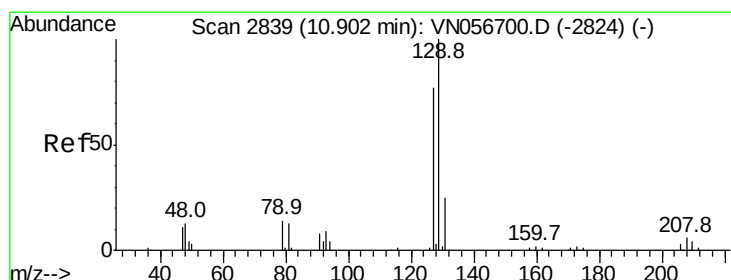
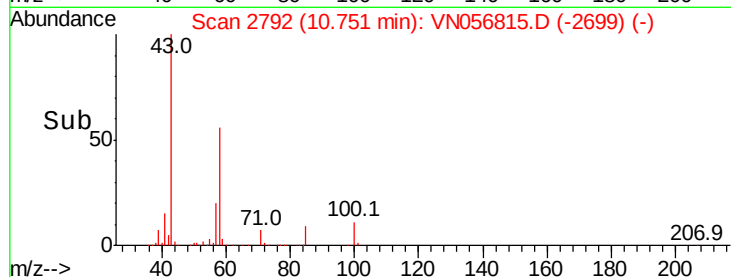
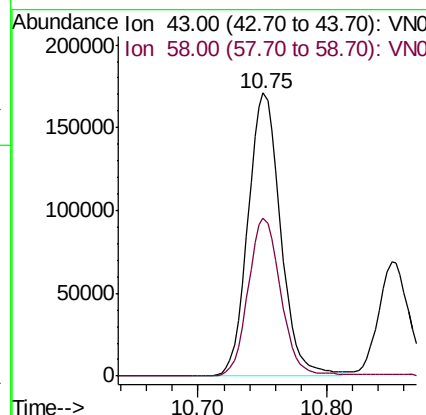
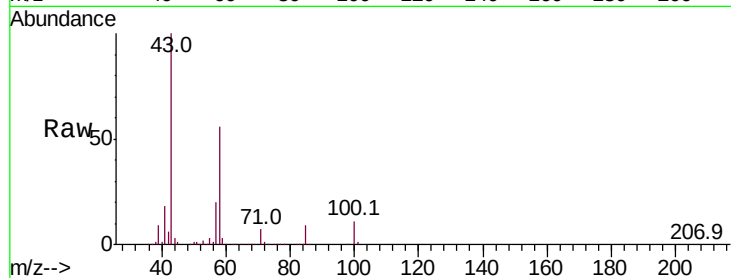
#59
2-Hexanone
Concen: 98.643 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	27.9	83.6

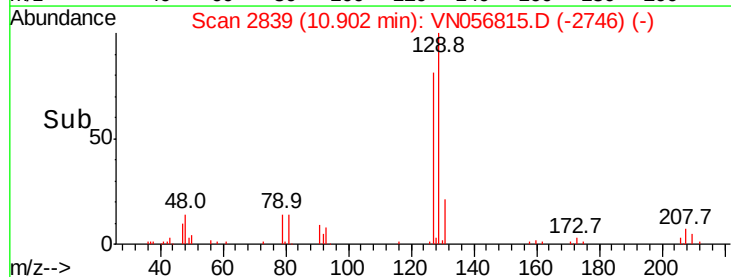
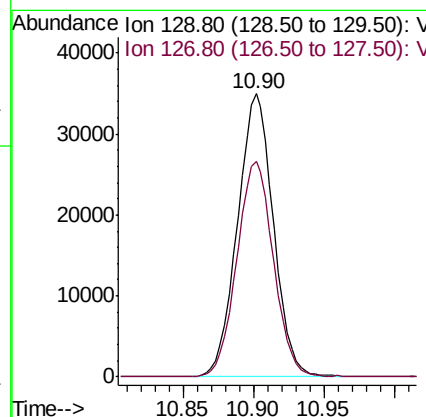
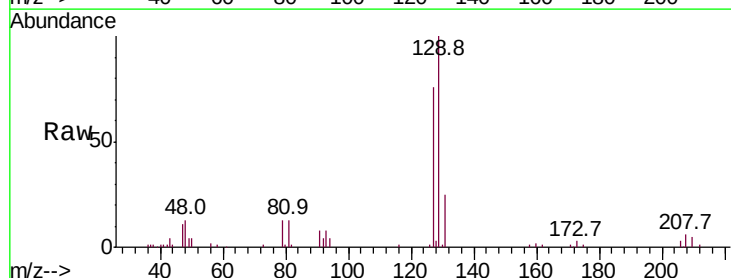
Manual Integrations
APPROVED

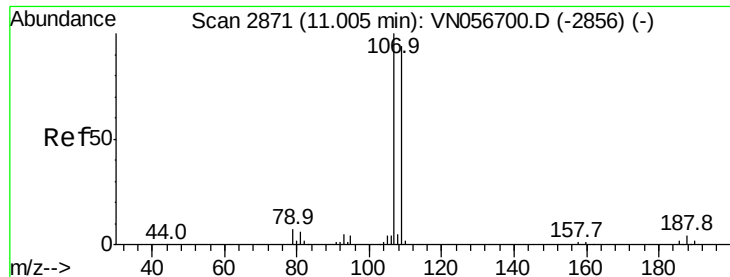
MMDadoda
7/19/2019 11:31:43 PM



#60
Dibromochloromethane
Concen: 19.608 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.2	114.6





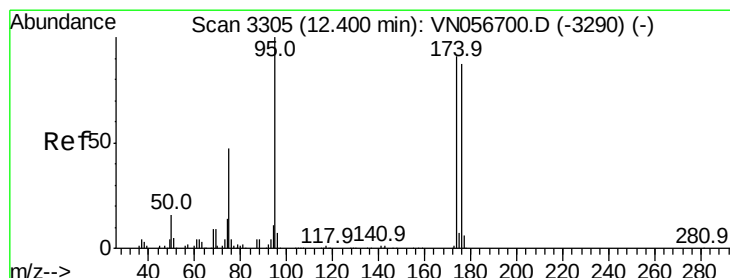
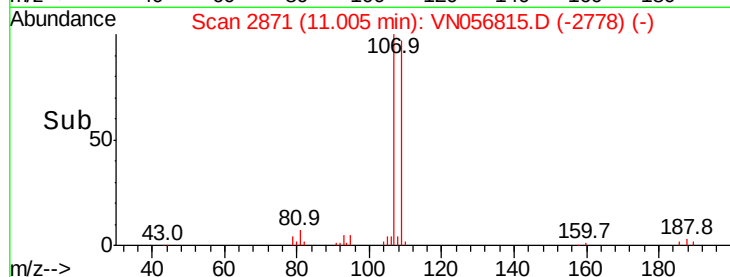
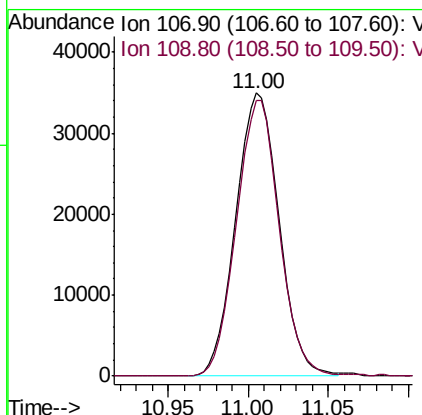
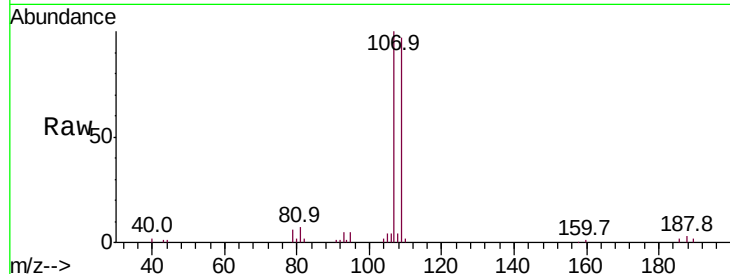
#61
1,2-Dibromoethane
Concen: 20.133 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	76.2	114.4

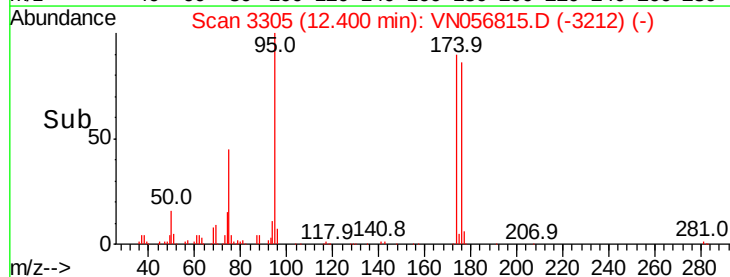
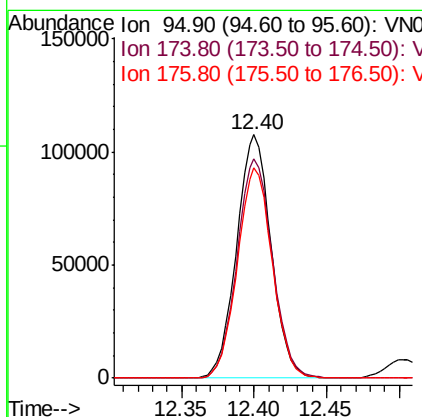
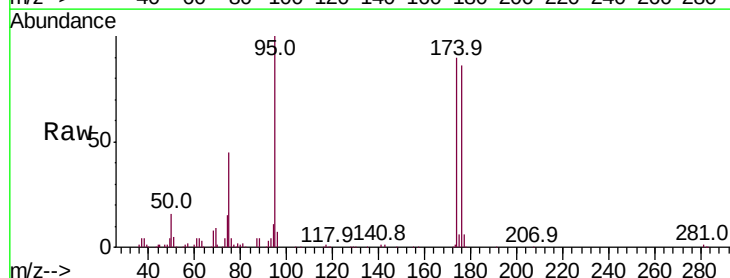
Manual Integrations
APPROVED

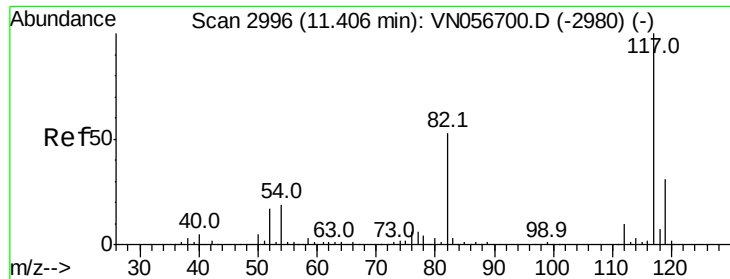
MMDadoda
7/19/2019 11:31:43 PM



#62
4-Bromofluorobenzene
Concen: 47.862 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	180.0
176	87.6	0.0	173.2





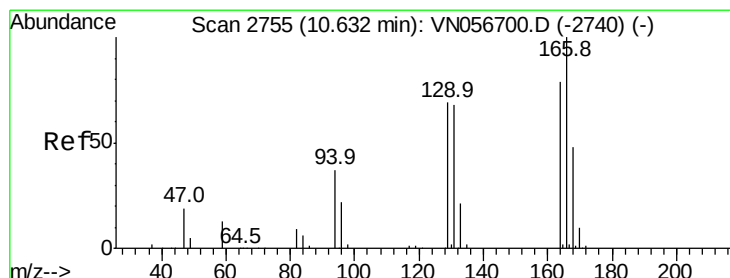
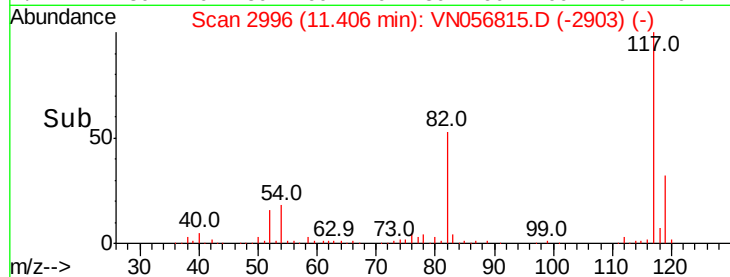
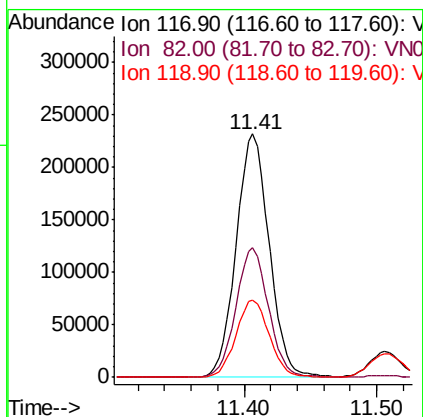
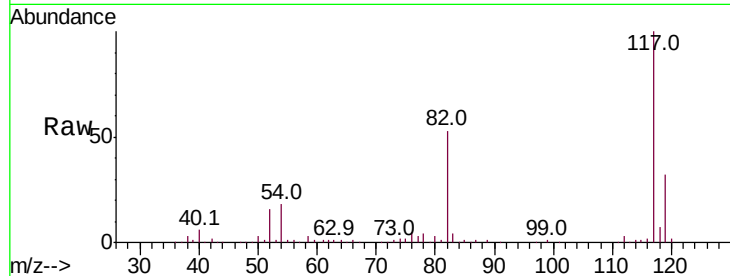
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.2	63.2
119	31.8	25.2	37.8

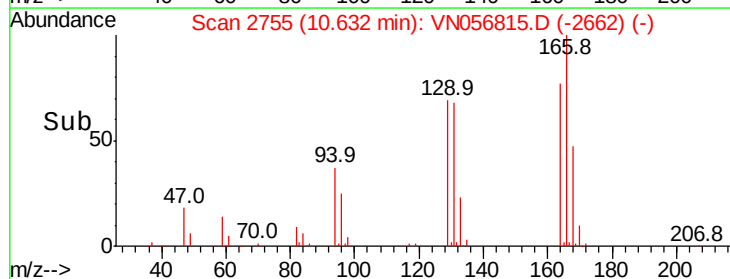
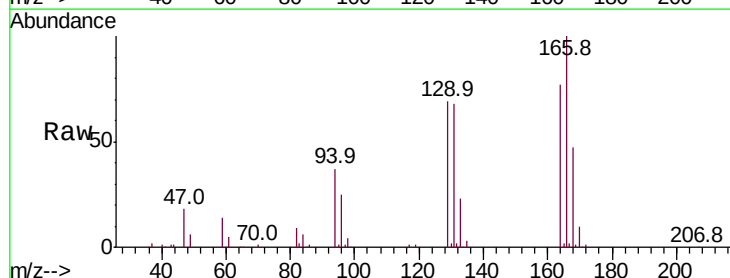
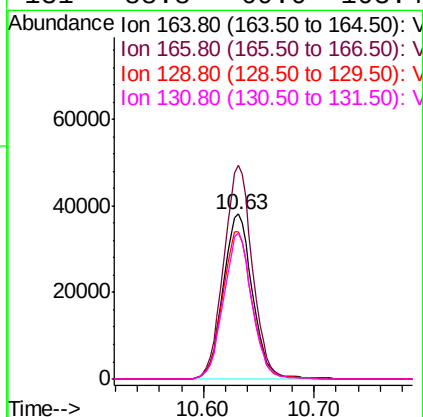
Manual Integrations
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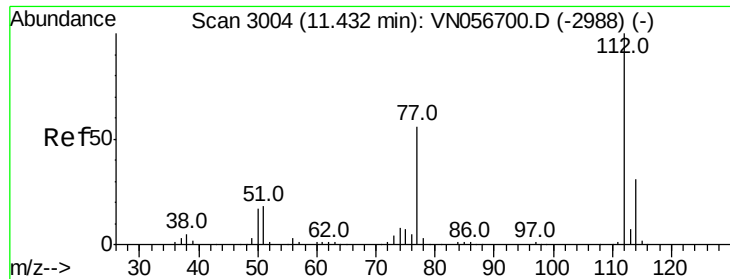
MMDadoda
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#64
Tetrachloroethene
Concen: 20.229 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.4	152.2
129	89.6	69.6	104.4
131	88.8	69.0	103.4





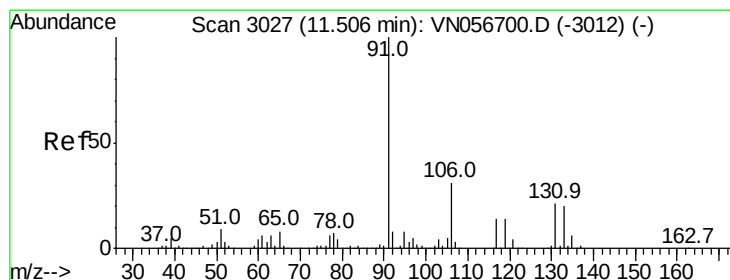
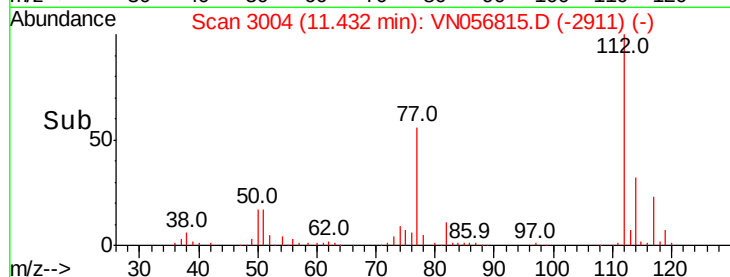
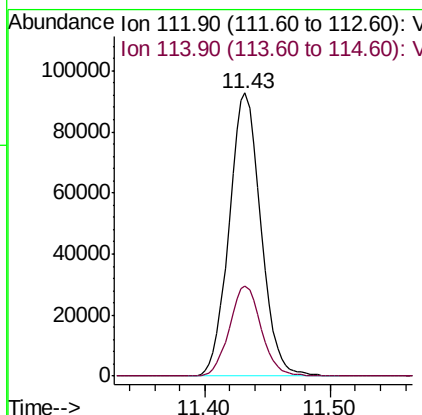
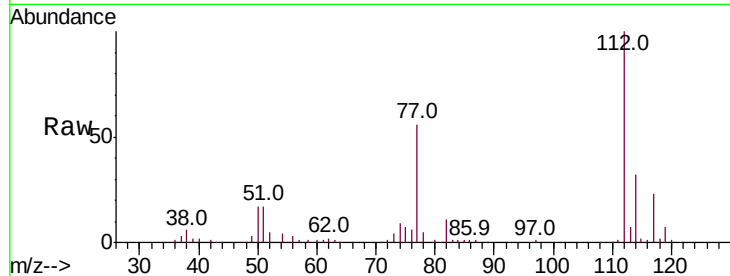
#65
Chlorobenzene
Concen: 19.739 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion:112 Resp: 162384
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8

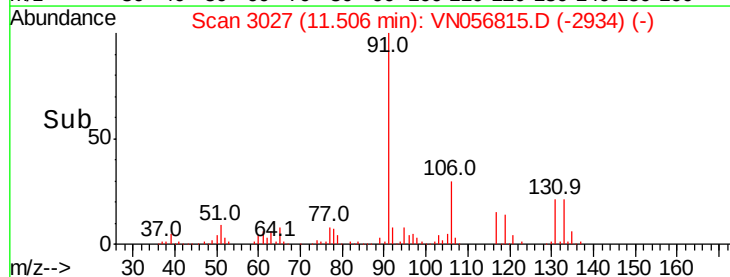
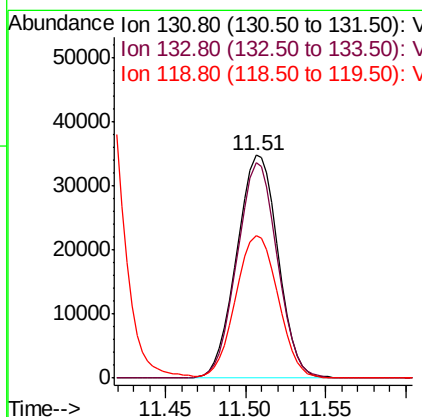
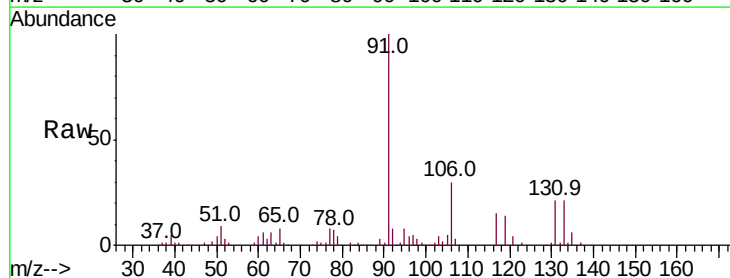
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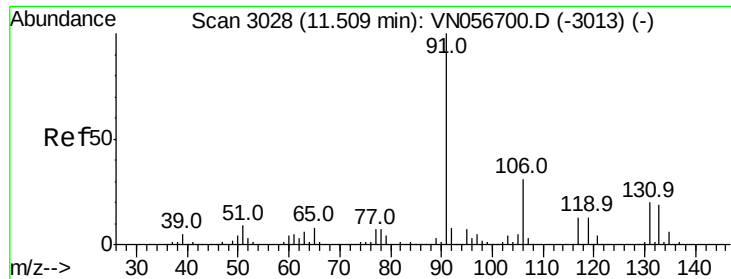
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.252 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion:131 Resp: 61341
Ion Ratio Lower Upper
131 100
133 94.4 46.9 140.7
119 65.6 32.8 98.3





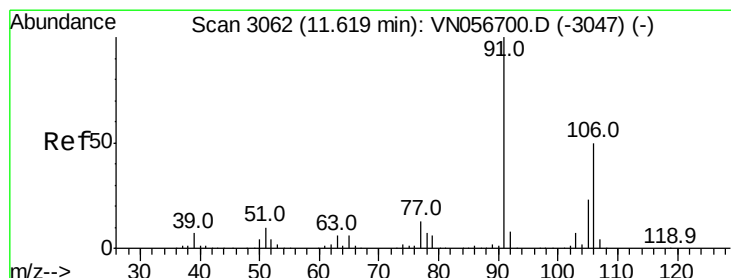
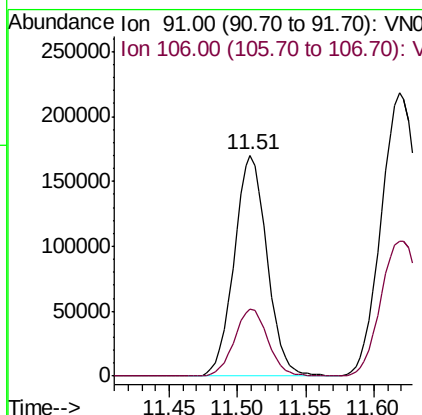
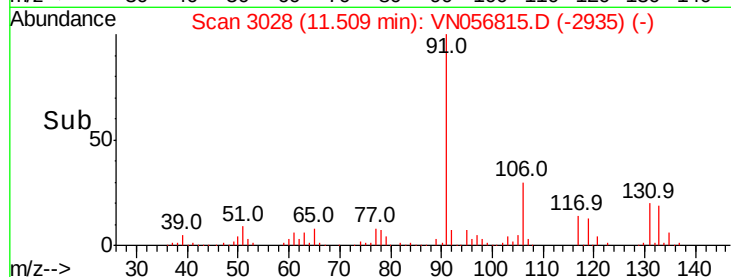
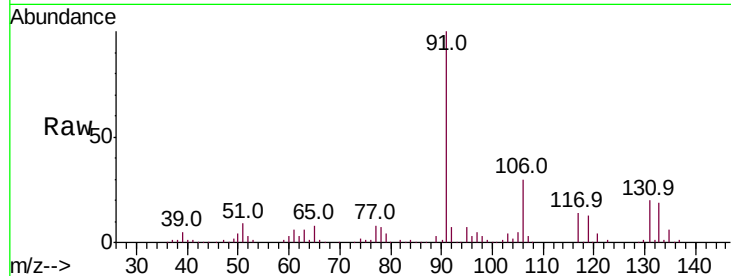
#67
Ethyl Benzene
Concen: 19.664 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion: 91 Resp: 284293
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2

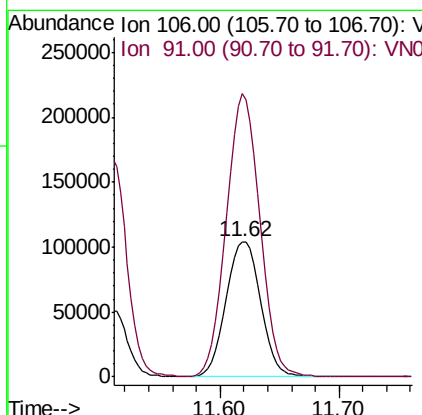
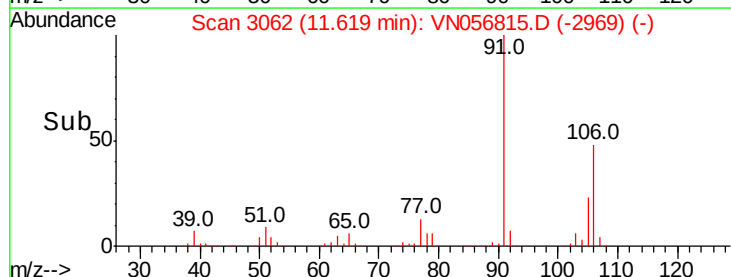
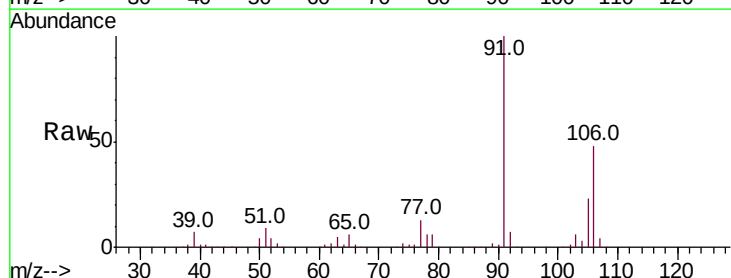
Manual Integrations
APPROVED

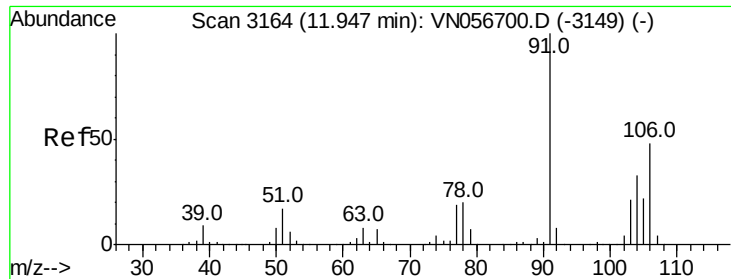
MMDadoda
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#68
m/p-Xylenes
Concen: 38.978 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion: 106 Resp: 210600
Ion Ratio Lower Upper
106 100
91 202.6 160.5 240.7





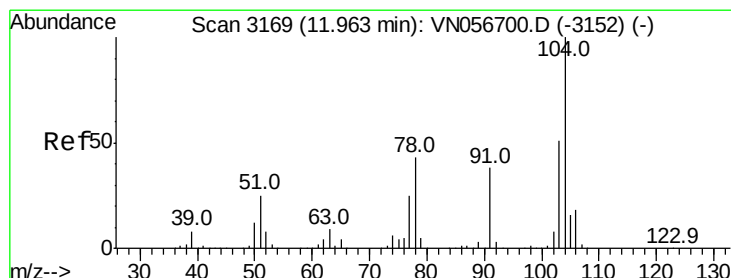
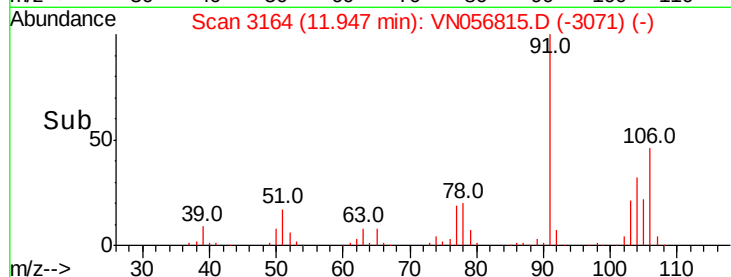
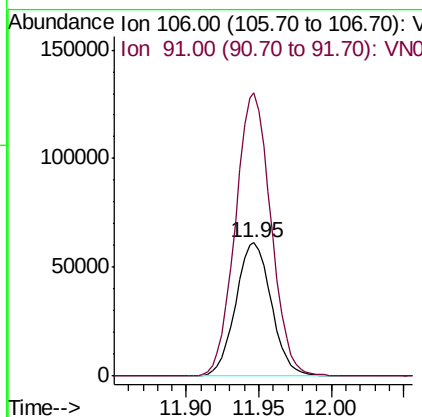
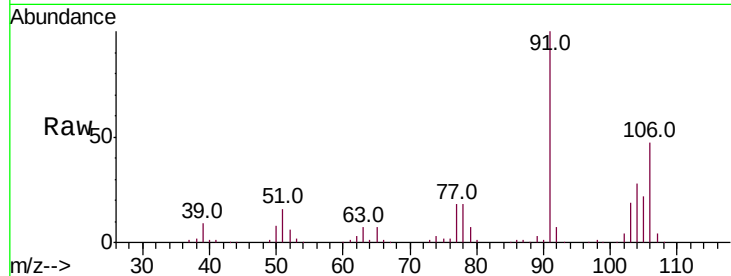
#69
o-Xylene
Concen: 19.789 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.5	105.6	316.8

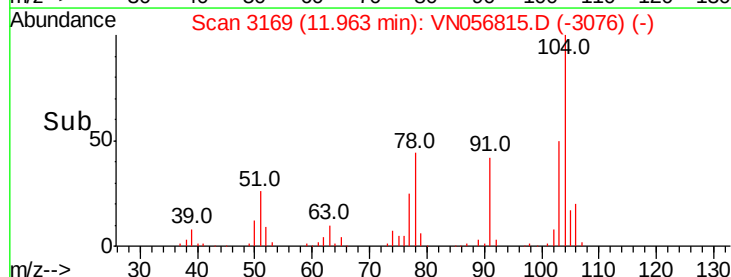
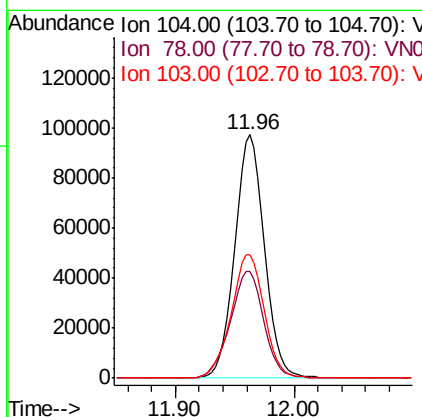
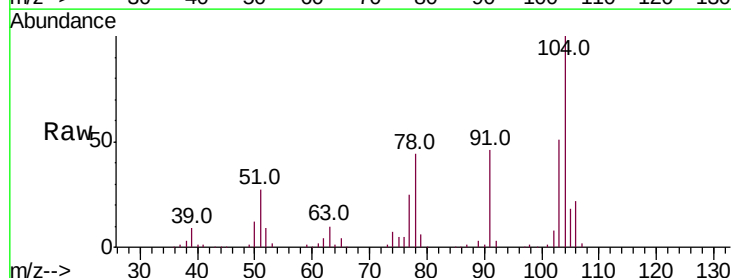
Manual Integrations
APPROVED

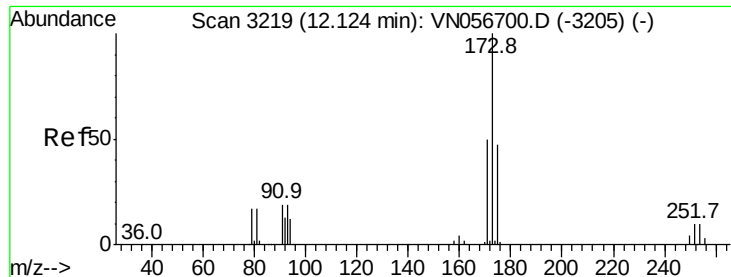
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#70
Styrene
Concen: 19.549 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	38.6	57.8
103	56.4	44.2	66.4





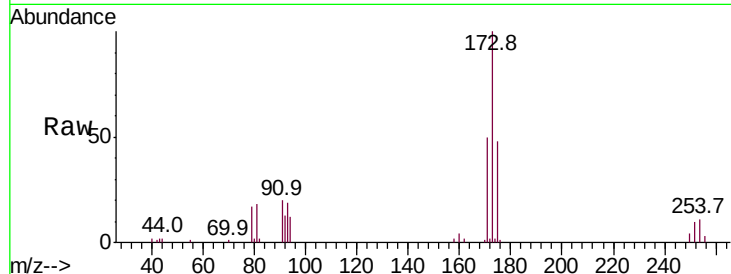
#71
Bromoform
Concen: 19.652 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

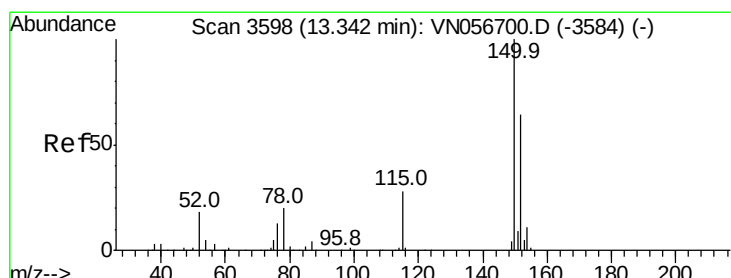
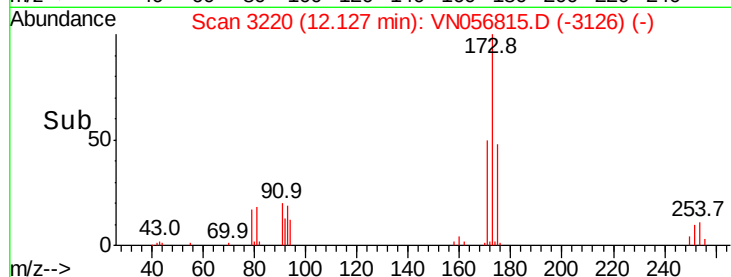
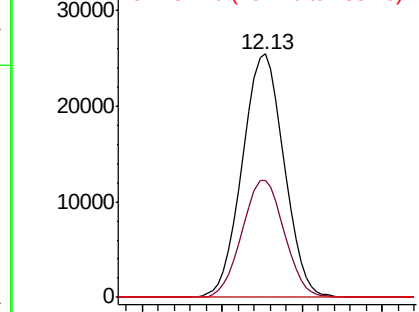
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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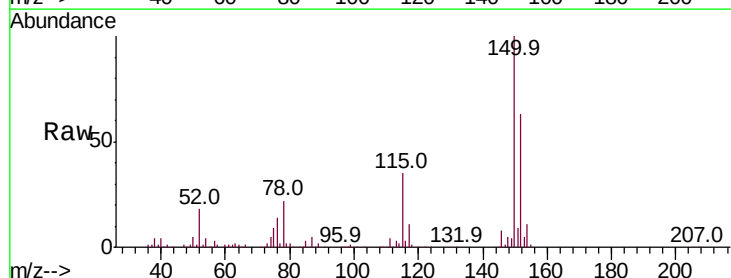


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

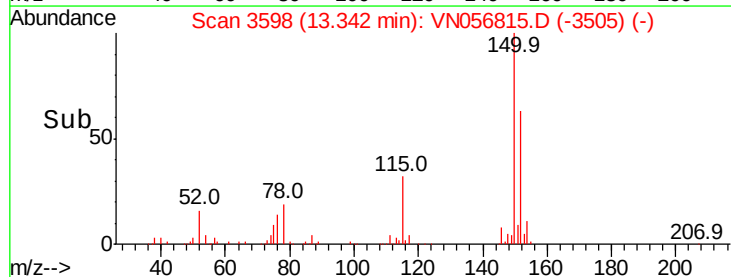
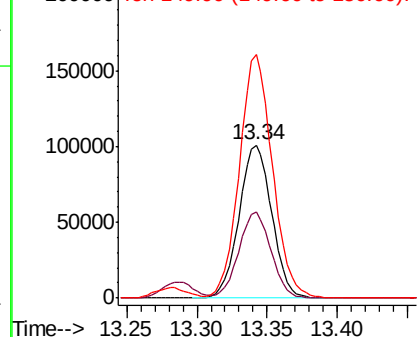


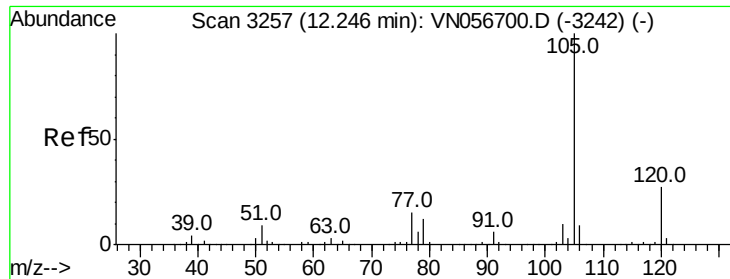
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.2	84.7
150	161.7	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: 20.870 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion:105 Resp: 275292

Ion Ratio Lower Upper

105 100

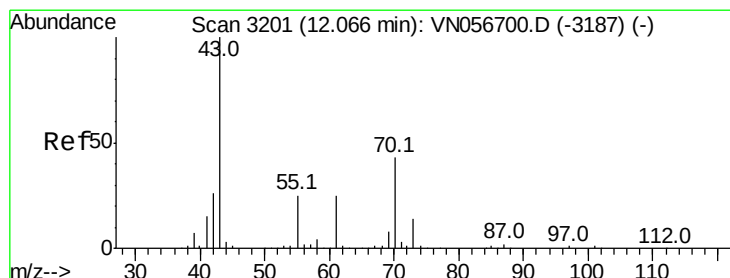
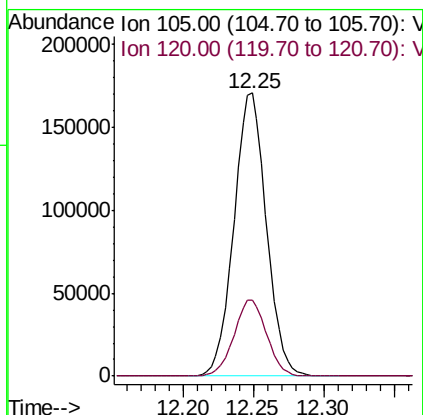
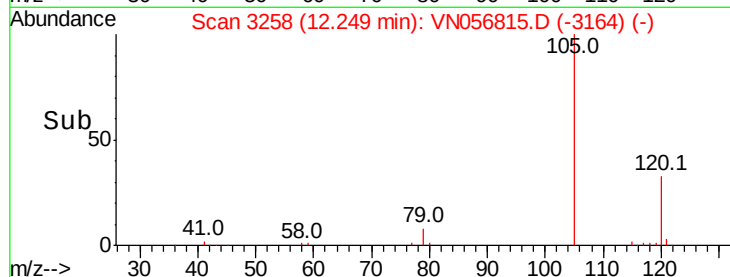
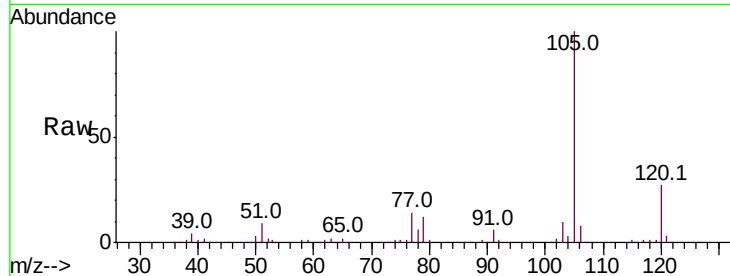
120 27.1 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.839 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion: 43 Resp: 97462

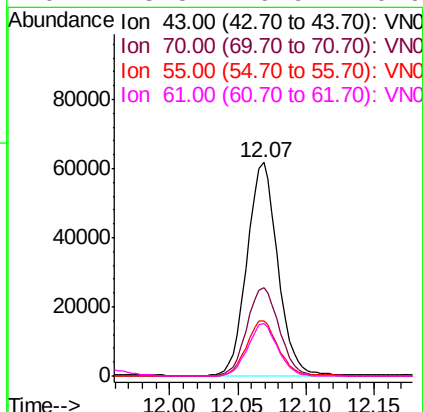
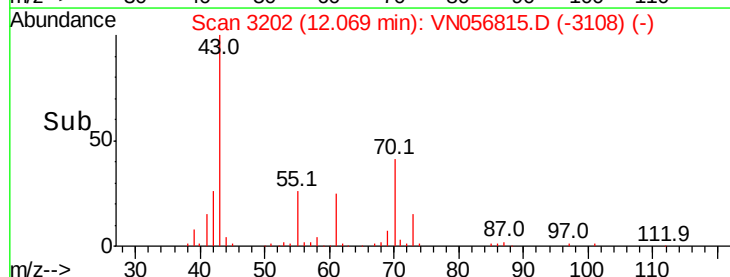
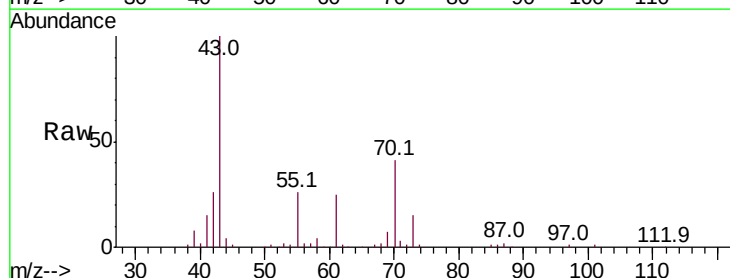
Ion Ratio Lower Upper

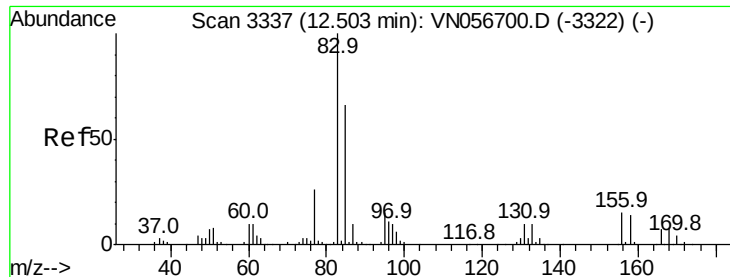
43 100

70 43.3 34.5 51.7

55 26.6 20.2 30.2

61 23.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.907 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

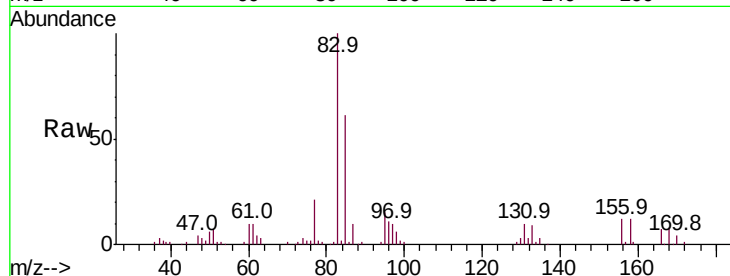
ClientSampleId :

VN0718WBS02

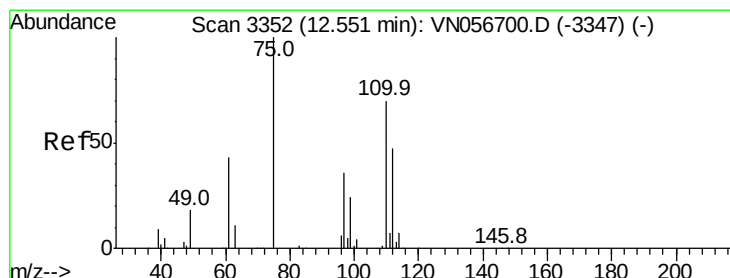
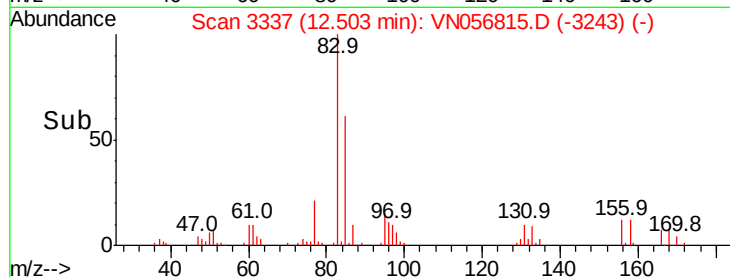
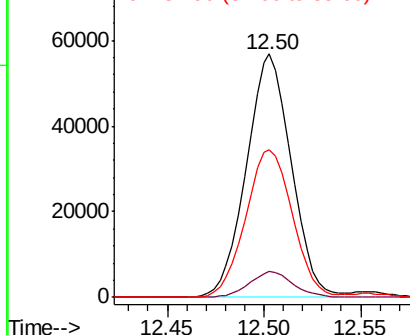
Tot Ion:	83	Resp:	91522
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	63.4	32.6	97.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 22.503 ug/l m

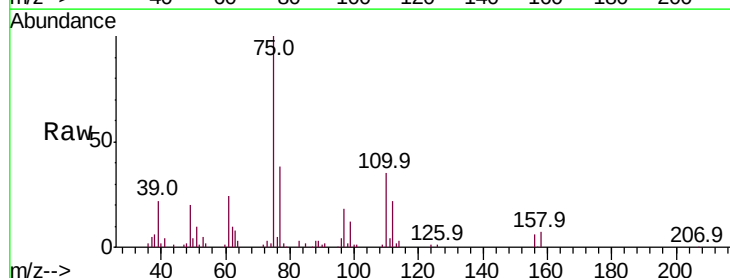
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

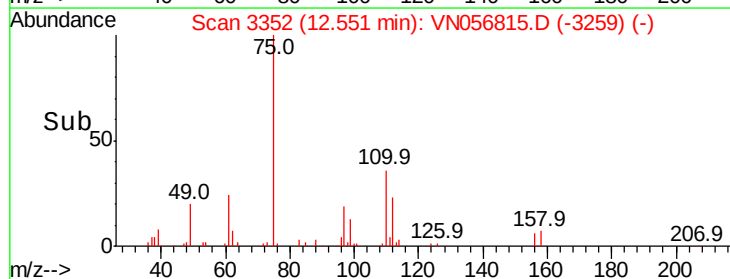
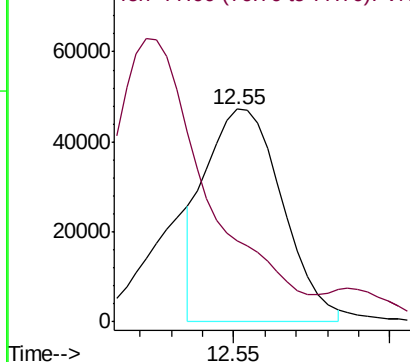
Lab File: VN056815.D

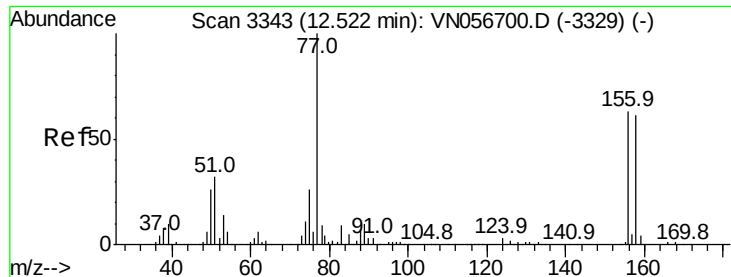
Acq: 18 Jul 2019 16:27

Tgt Ion:	75	Resp:	80517
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 20.928 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

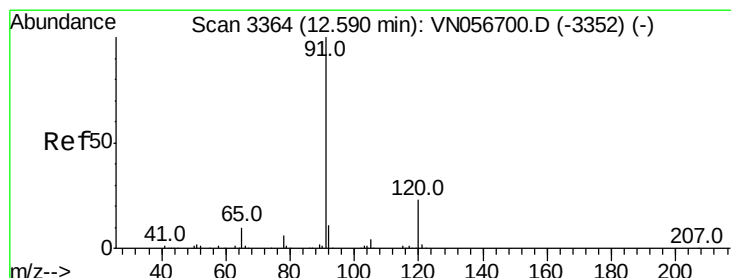
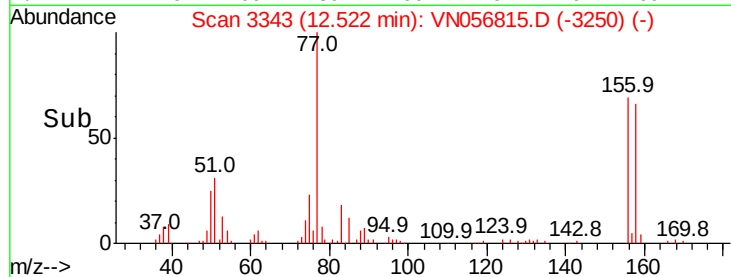
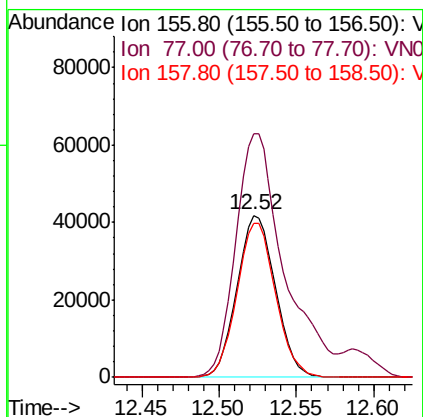
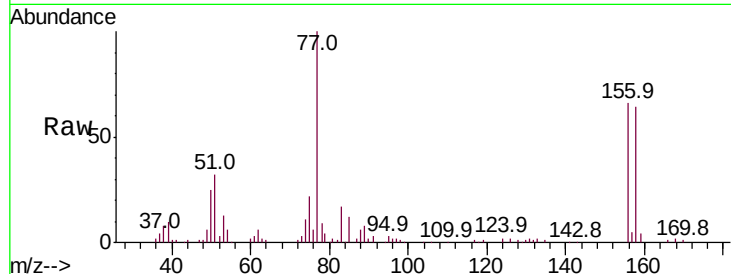
ClientSampleId :

VN0718WBS02

Tot Ion:	156	Resp:	72208
Ion Ratio	Lower	Upper	
156	100		
77	190.4	97.2	291.6
158	95.6	48.9	146.8

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#78

n-propylbenzene

Concen: 20.071 ug/l

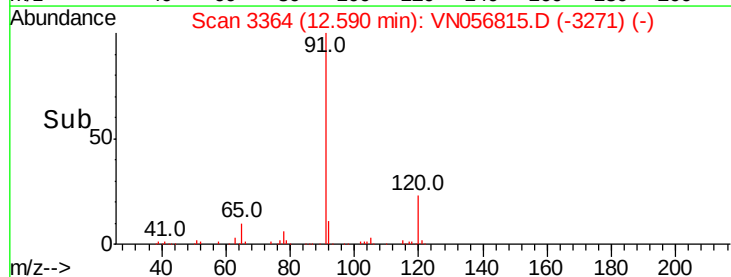
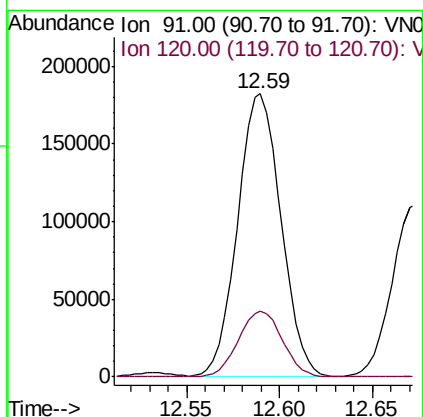
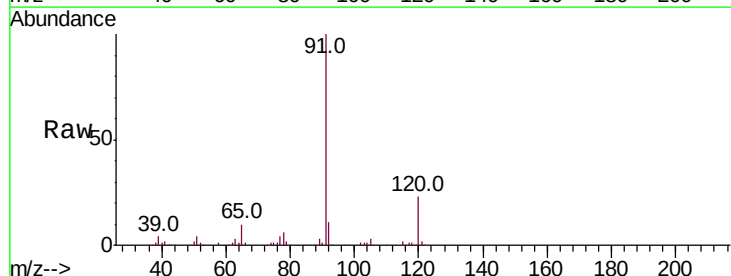
RT: 12.59 min Scan# 3364

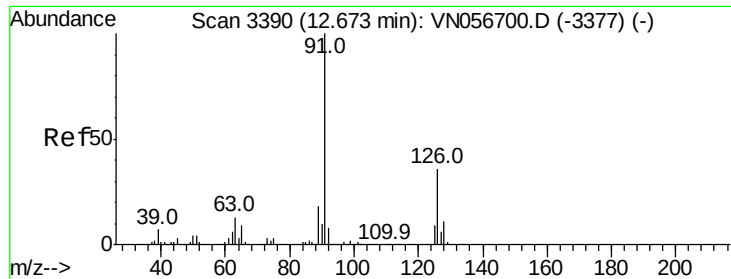
Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion:	91	Resp:	293925
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.3





#79

2-Chlorotoluene

Concen: 21.878 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN0718WBS02

Tot Ion: 91 Resp: 184512

Ion Ratio Lower Upper

91 100

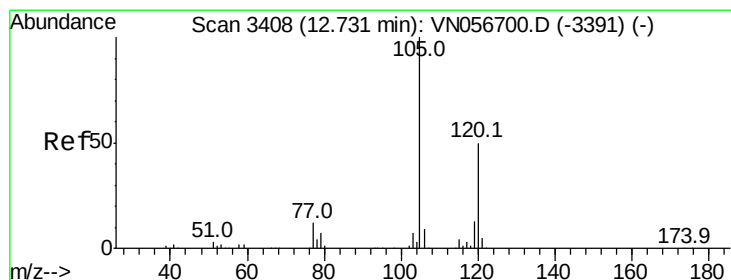
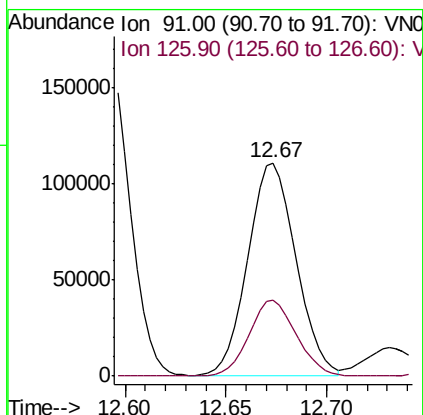
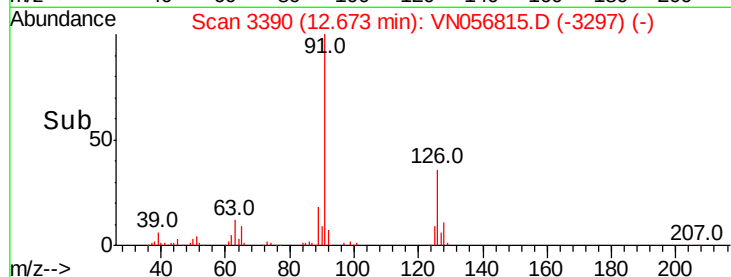
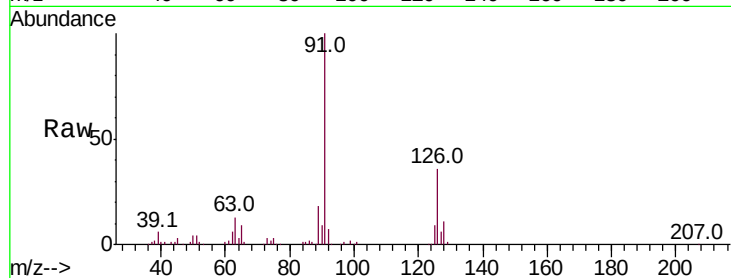
126 35.4 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.666 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056815.D

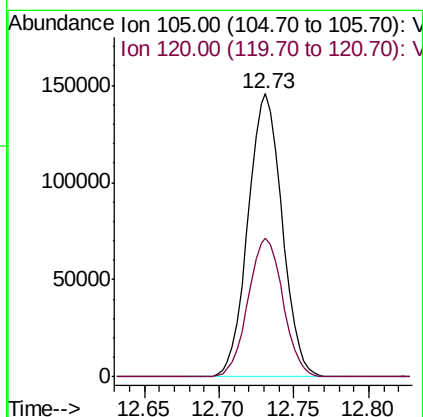
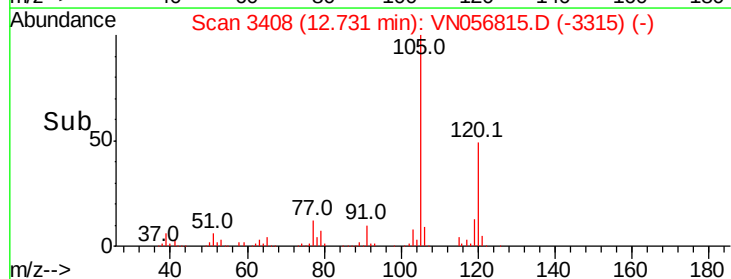
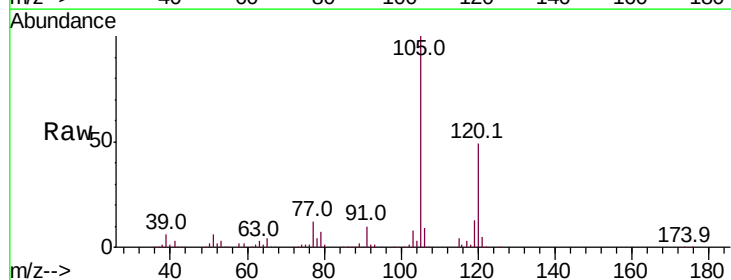
Acq: 18 Jul 2019 16:27

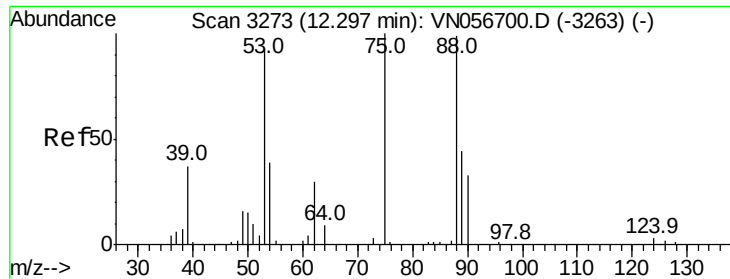
Tgt Ion: 105 Resp: 231038

Ion Ratio Lower Upper

105 100

120 50.2 24.8 74.3





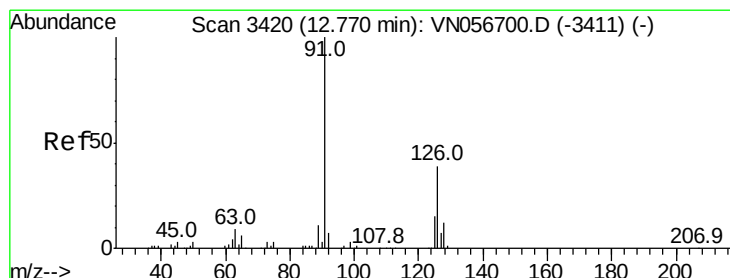
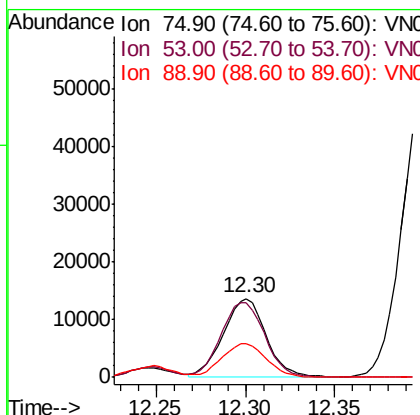
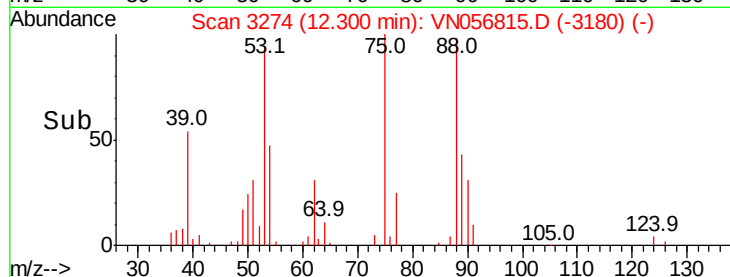
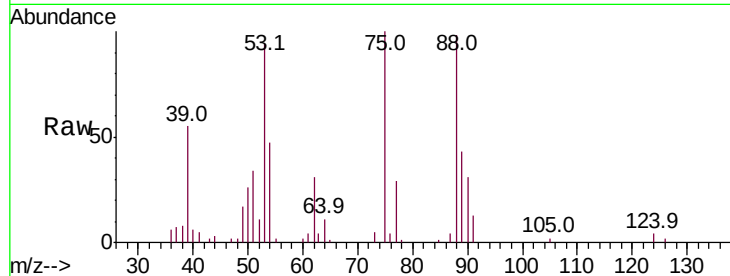
#81
trans-1,4-Dichloro-2-butene
Concen: 19.815 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampled :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	73.7	110.5
89	44.3	36.2	54.2

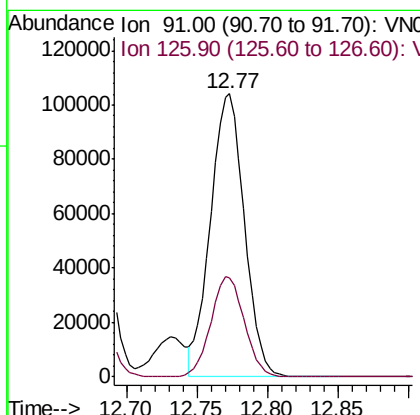
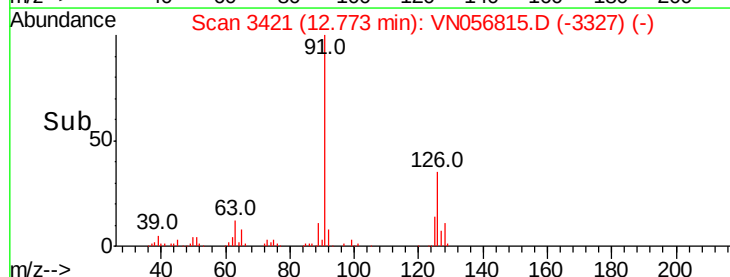
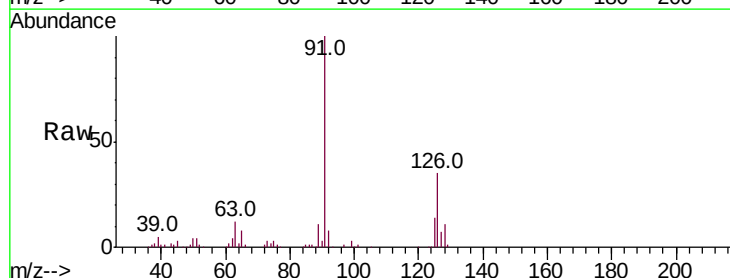
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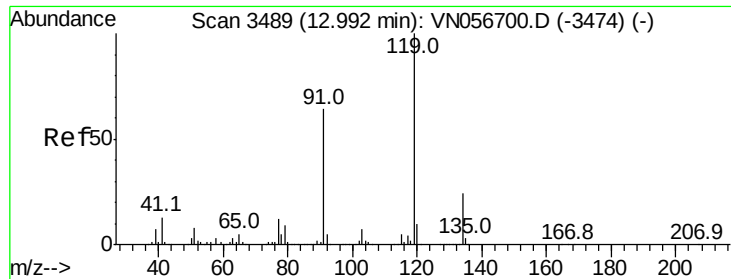
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#82
4-Chlorotoluene
Concen: 20.129 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.8





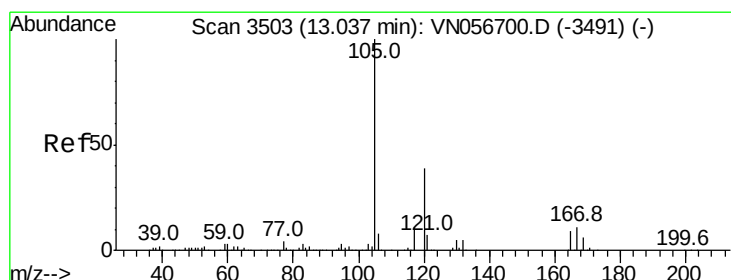
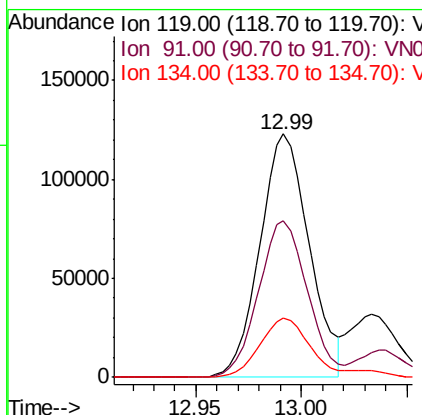
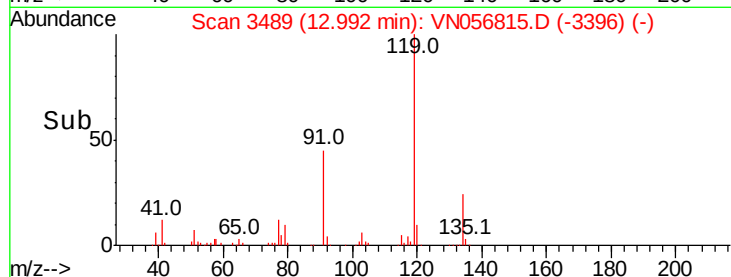
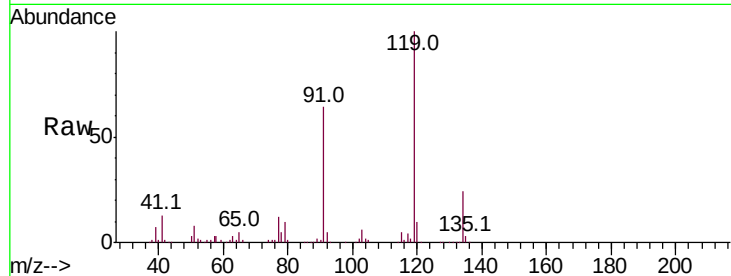
#83
 tert-Butylbenzene
 Concen: 22.196 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	31.8	95.4
134	24.7	13.0	38.9

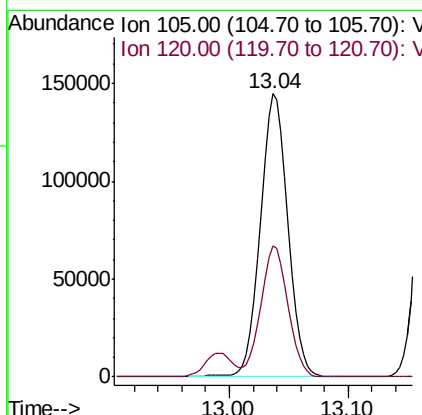
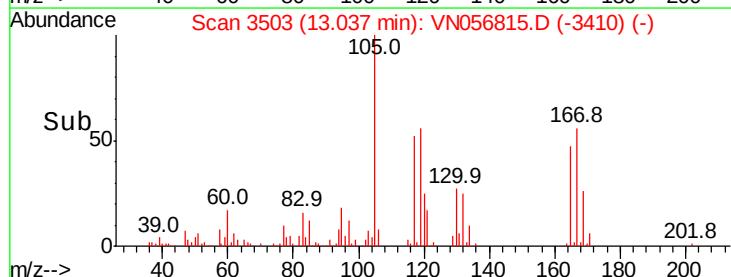
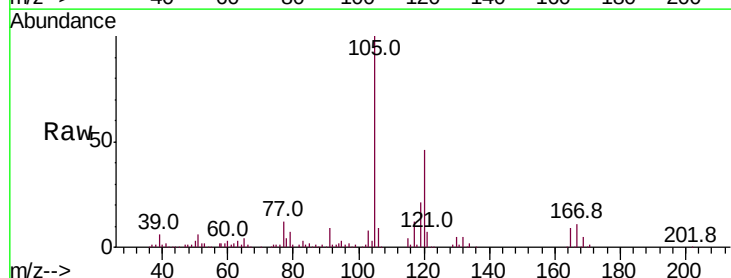
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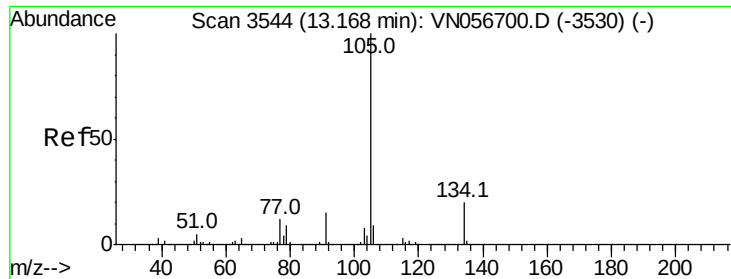
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.198 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.635 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

ClientSampled :

VN0718WBS02

Tot Ion:105 Resp: 256347

Ion Ratio Lower Upper

105 100

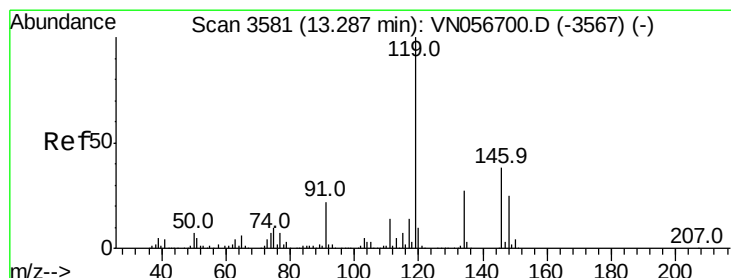
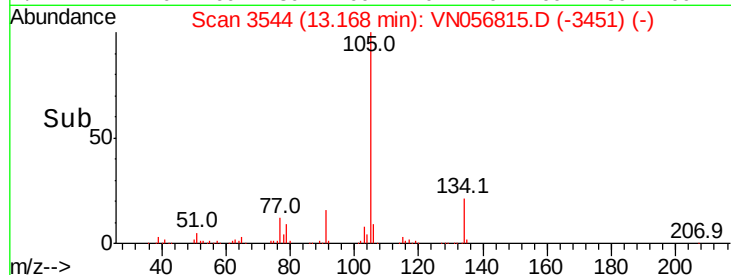
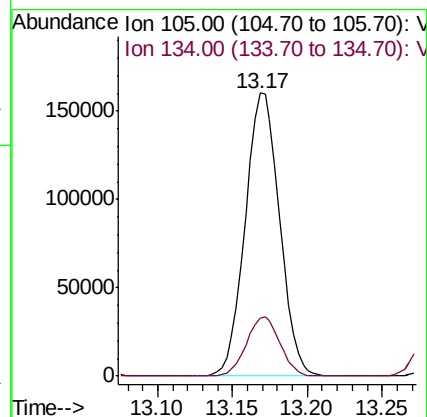
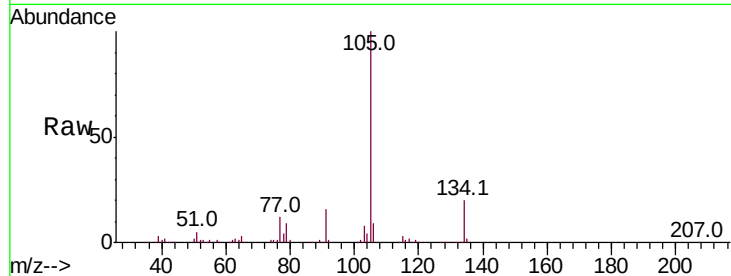
134 20.6 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.369 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

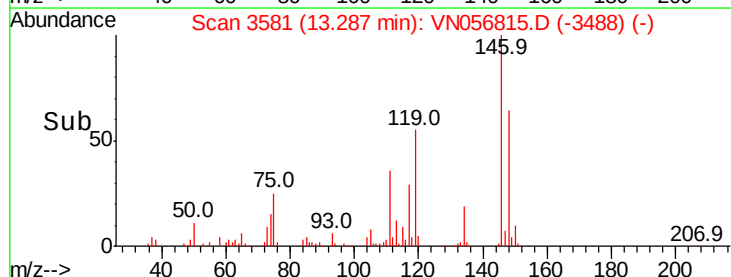
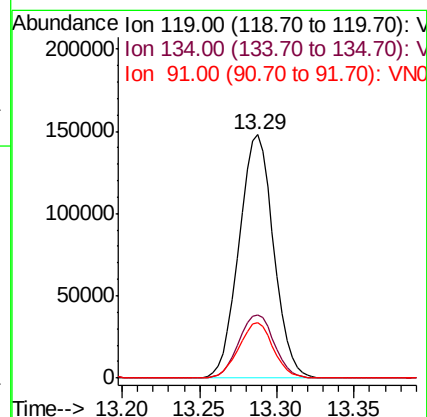
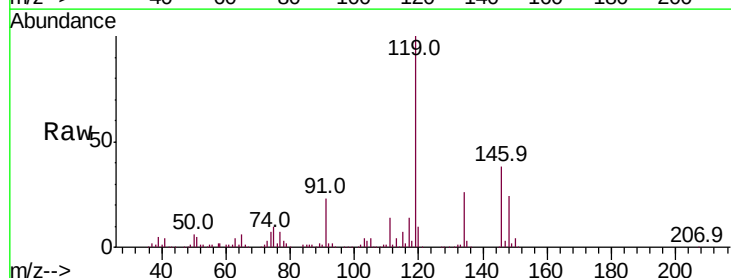
Tgt Ion:119 Resp: 229230

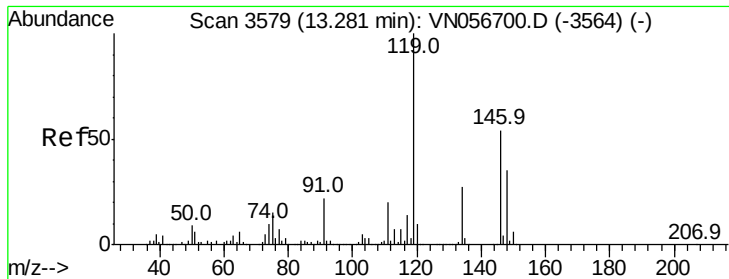
Ion Ratio Lower Upper

119 100

134 26.7 13.6 40.7

91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.655 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

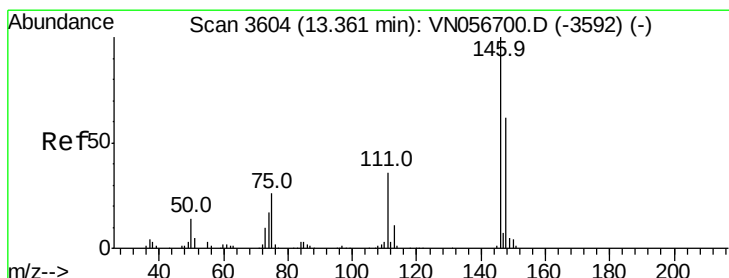
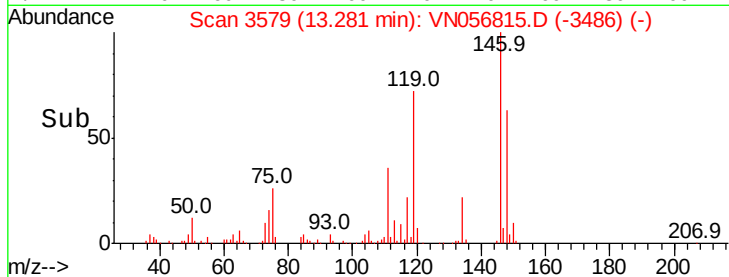
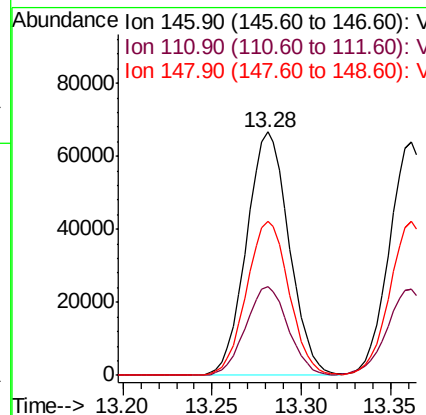
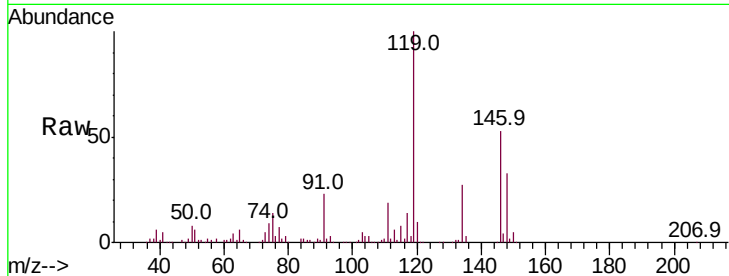
ClientSampleId :

VN0718WBS02

Tot Ion:	146	Resp:	111134
Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.3
148	63.1	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 19.269 ug/l

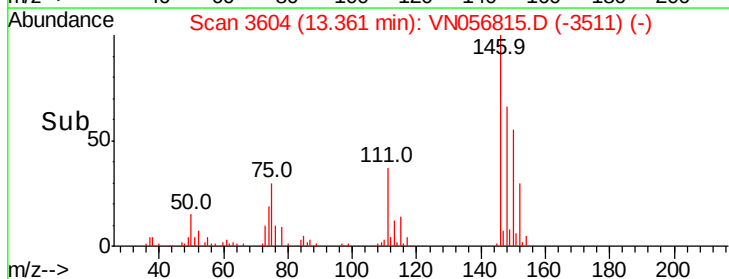
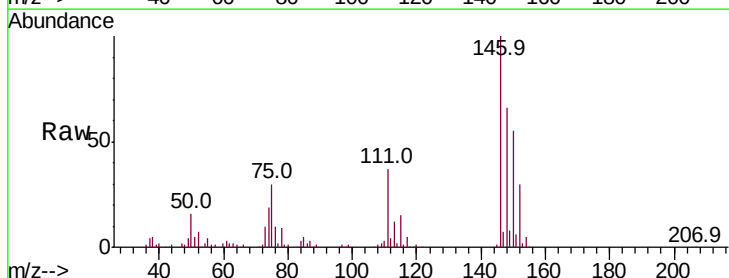
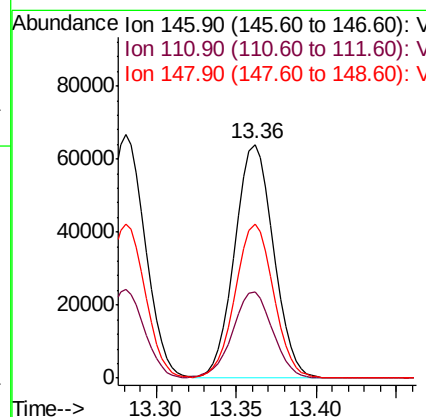
RT: 13.36 min Scan# 3604

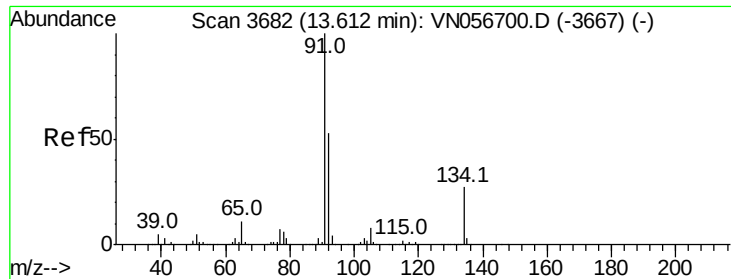
Delta R.T. -0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion:	146	Resp:	105981
Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	65.3	31.9	95.7





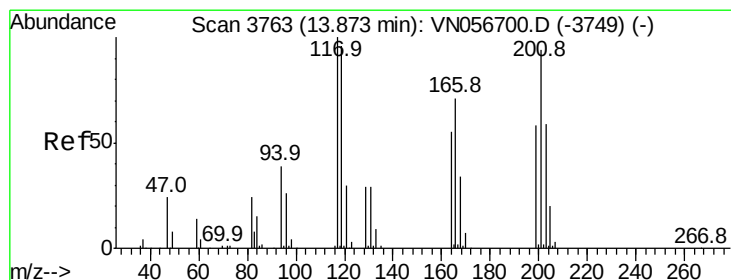
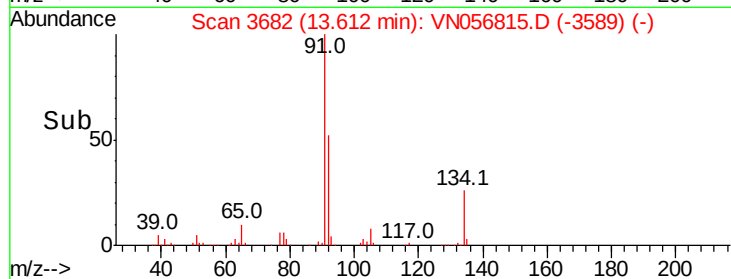
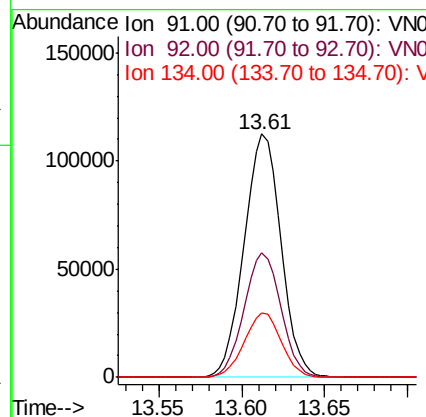
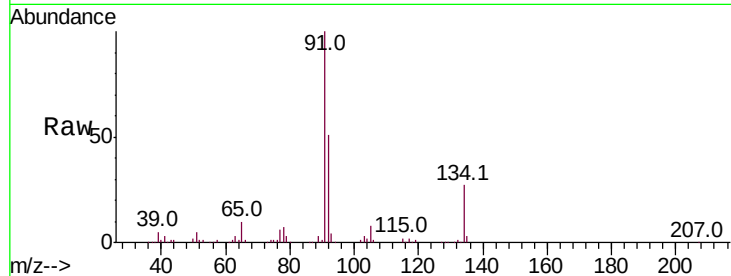
#89
n-Butylbenzene
Concen: 19.229 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN0718WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.0	78.0
134	26.7	13.4	40.2

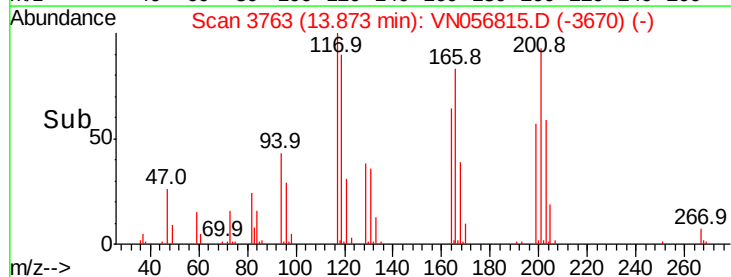
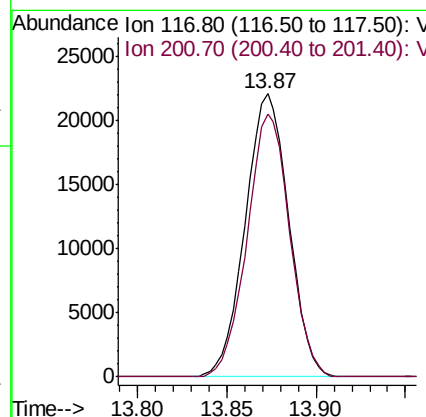
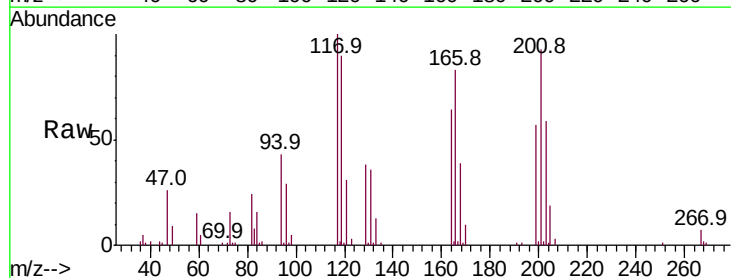
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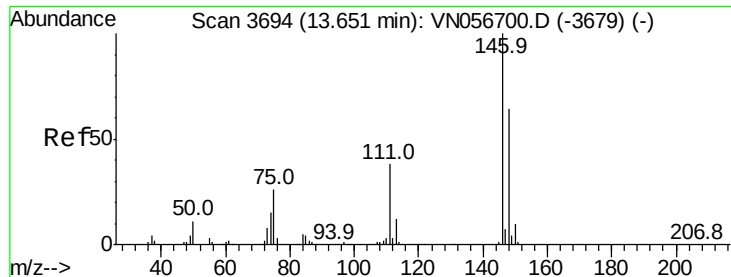
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#90
Hexachloroethane
Concen: 20.633 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056815.D
Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	46.5	139.5





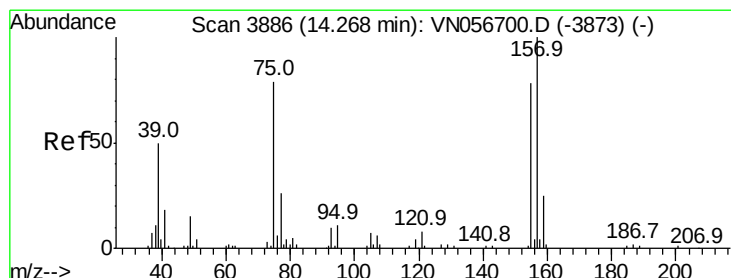
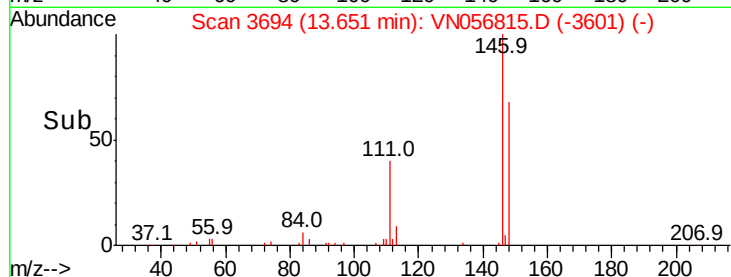
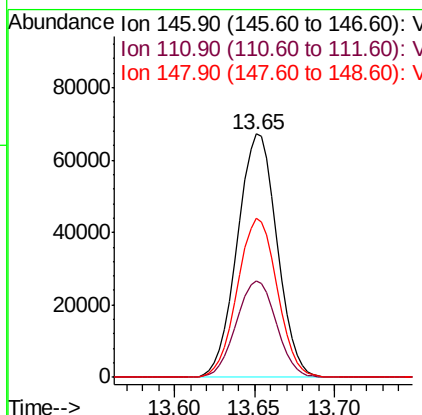
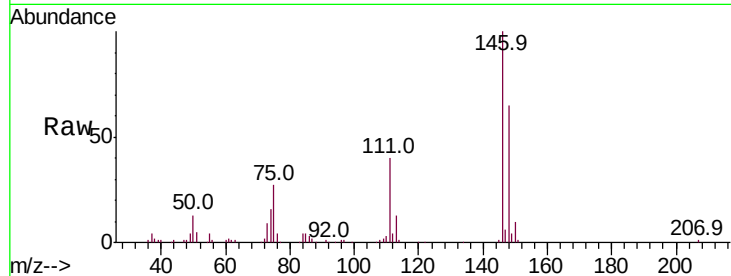
#91
 1,2-Dichlorobenzene
 Concen: 19.720 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.1
148	65.6	31.7	95.1

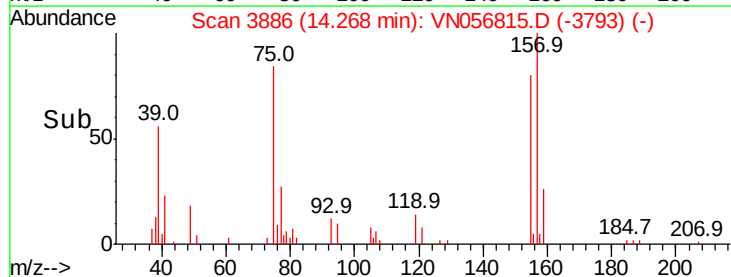
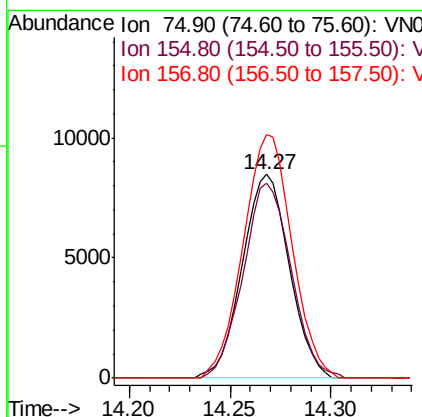
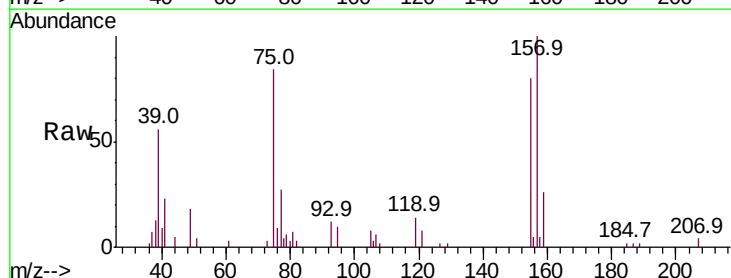
Manual Integrations
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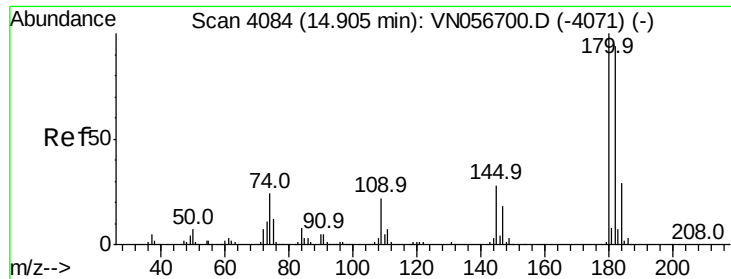
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.581 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	49.3	147.9
157	124.1	62.4	187.1





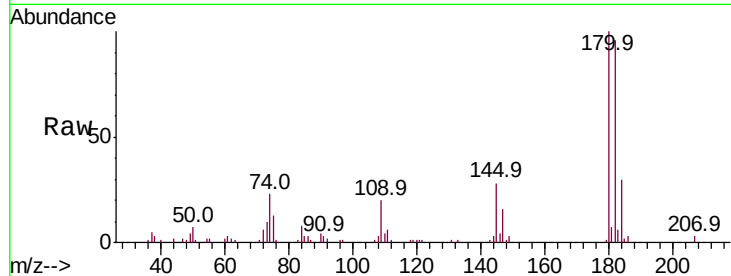
#93
 1,2,4-Trichlorobenzene
 Concen: 17.498 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0718WBS02

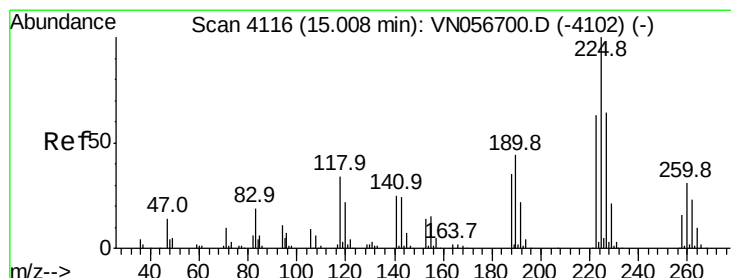
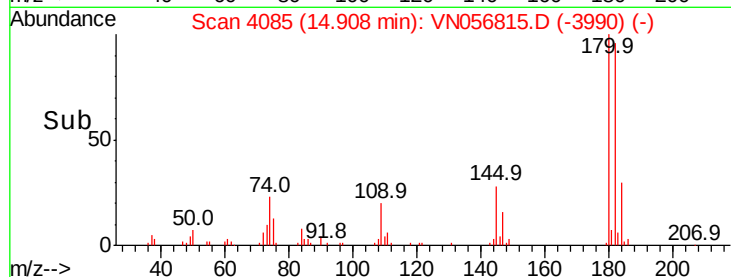
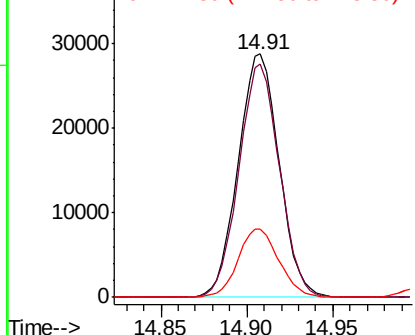
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.2	141.6	
145	27.9	14.2	42.8	

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 11:31:43 PM

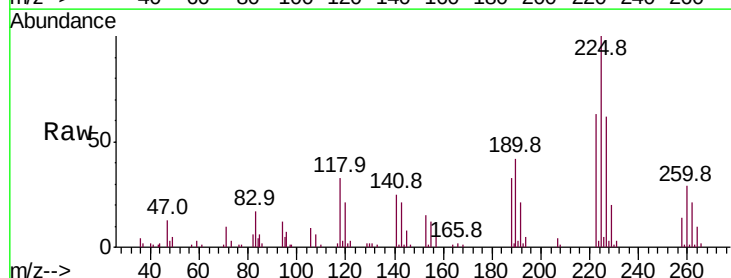


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

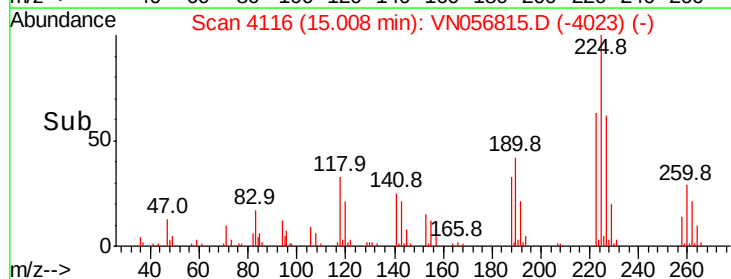
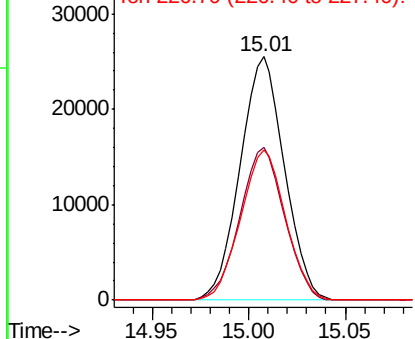


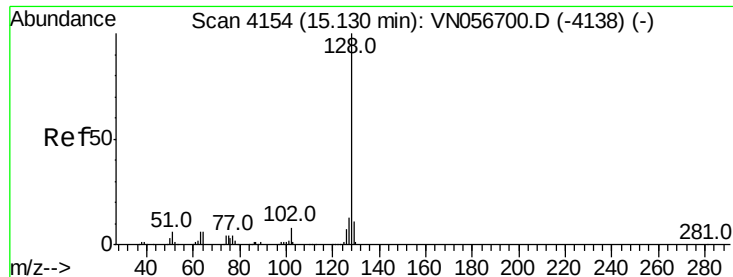
#94
 Hexachlorobutadiene
 Concen: 21.644 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056815.D
 Acq: 18 Jul 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.5	94.5	
227	62.6	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: 16.277 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Instrument :

MSVOA_N

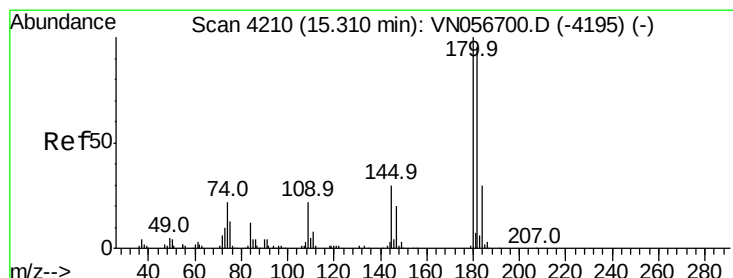
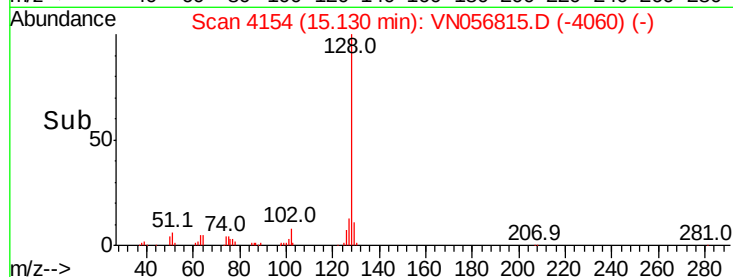
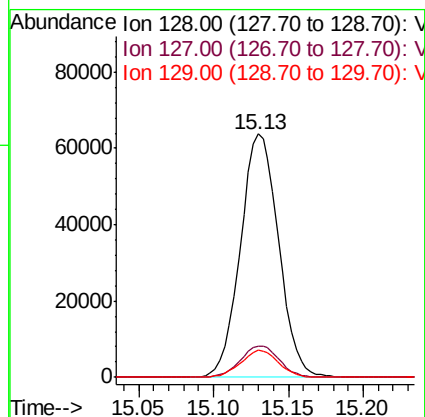
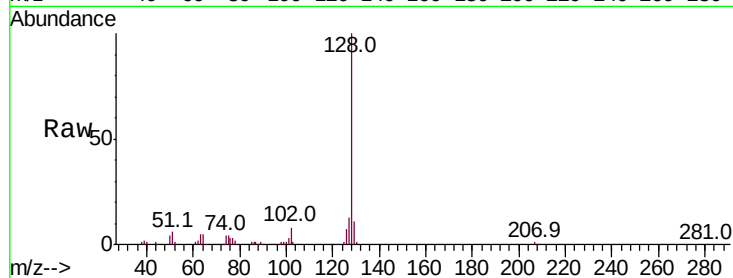
ClientSampleId :

VN0718WBS02

Tot Ion:	128	Resp:	113257
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/19/2019 11:31:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.516 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056815.D

Acq: 18 Jul 2019 16:27

Tgt Ion:	180	Resp:	51622
Ion Ratio	Lower	Upper	
180	100		
182	92.0	47.1	141.3
145	29.4	15.0	45.1

