

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\
 Data File : VN056670.D
 Acq On : 11 Jul 2019 17:19
 Operator : JC/SP
 Sample : VN0712WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 5:32:59 PM

Quant Time: Jul 12 05:42:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	289705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	451190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	402381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	165767	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.59	113	144288	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.09	98	534604	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.40	95	184208	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	44555	18.163	ug/l	98
3) Chloromethane	2.06	50	57376	17.178	ug/l	99
4) Vinyl Chloride	2.18	62	60104	18.631	ug/l	98
5) Bromomethane	2.55	94	35832	18.946	ug/l	99
6) Chloroethane	2.70	64	35484	18.993	ug/l	94
7) Trichlorofluoromethane	3.01	101	82885	19.862	ug/l	99
8) Diethyl Ether	3.41	74	34118	19.318	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	53319	20.035	ug/l	99
10) Methyl Iodide	3.95	142	58427	16.244	ug/l	99
11) Tert butyl alcohol	4.79	59	60949	112.705	ug/l	100
12) 1,1-Dichloroethene	3.73	96	48769	19.056	ug/l	99
13) Acrolein	3.61	56	16157	35.449	ug/l	98
14) Allyl chloride	4.32	41	87463	20.530	ug/l	99
15) Acrylonitrile	4.99	53	168875	112.878	ug/l	98
16) Acetone	3.82	43	142473	88.566	ug/l	100
17) Carbon Disulfide	4.05	76	88870	15.267	ug/l	99
18) Methyl Acetate	4.33	43	75066	23.363	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	178317	21.057	ug/l	100
20) Methylene Chloride	4.55	84	62748	20.160	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	52305	18.957	ug/l	98
22) Diisopropyl ether	5.95	45	199747	22.326	ug/l	98
23) Vinyl Acetate	5.90	43	786618	111.471	ug/l	100
24) 1,1-Dichloroethane	5.85	63	108790	21.183	ug/l	99
25) 2-Butanone	6.84	43	227972	107.075	ug/l	100
26) 2,2-Dichloropropane	6.83	77	74543	20.869	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	66484	20.595	ug/l	99
28) Bromochloromethane	7.20	49	56853	22.380	ug/l	98
29) Tetrahydrofuran	7.21	42	152308	117.062	ug/l	98
30) Chloroform	7.37	83	110987	21.900	ug/l	99
31) Cyclohexane	7.65	56	88498	17.849	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	84814	21.114	ug/l	98
36) 1,1-Dichloropropene	7.79	75	73357	18.472	ug/l	98
37) Ethyl Acetate	6.93	43	88981	22.800	ug/l	98
38) Carbon Tetrachloride	7.77	117	71433	20.569	ug/l	97

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	85238	17.395	ug/l	97
40) Benzene	8.04	78	245814	20.123	ug/l	99
41) Methacrylonitrile	7.17	41	38857	22.547	ug/l	90
42) 1,2-Dichloroethane	8.13	62	82529	20.471	ug/l	100
43) Isopropyl Acetate	8.17	43	136525	22.686	ug/l	98
44) Trichloroethene	8.84	130	64801	19.693	ug/l	97
45) 1,2-Dichloropropane	9.12	63	68438	20.949	ug/l	100
46) Dibromomethane	9.21	93	43256	21.163	ug/l	97
47) Bromodichloromethane	9.40	83	80343	22.164	ug/l	98
48) Methyl methacrylate	9.20	41	67453	22.367	ug/l	95
49) 1,4-Dioxane	9.20	88	30066	480.422	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	457393	117.758	ug/l	99
52) Toluene	10.16	92	150971	20.215	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	79192	20.563	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	92719	21.240	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	65658	21.872	ug/l	97
56) Ethyl methacrylate	10.43	69	95175	21.694	ug/l	99
57) 1,3-Dichloropropane	10.71	76	107907	21.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	220919	140.169	ug/l	100
59) 2-Hexanone	10.75	43	327986	114.891	ug/l	99
60) Dibromochloromethane	10.90	129	62386	21.637	ug/l	100
61) 1,2-Dibromoethane	11.00	107	65140	21.246	ug/l	98
64) Tetrachloroethene	10.63	164	62768	19.698	ug/l	99
65) Chlorobenzene	11.43	112	163848	20.265	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	61067	22.347	ug/l	99
67) Ethyl Benzene	11.51	91	278649	19.628	ug/l	100
68) m/p-Xylenes	11.62	106	210561	40.471	ug/l	99
69) o-Xylene	11.95	106	105242	20.446	ug/l	97
70) Styrene	11.96	104	174903	21.258	ug/l	99
71) Bromoform	12.13	173	45404	22.444	ug/l #	100
73) Isopropylbenzene	12.25	105	279126	19.650	ug/l	99
74) N-amyl acetate	12.07	43	107748	19.387	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	98376	22.539	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	85764m	23.686	ug/l	
77) Bromobenzene	12.53	156	73685	18.871	ug/l	96
78) n-propylbenzene	12.59	91	302918	18.942	ug/l	99
79) 2-Chlorotoluene	12.67	91	188318	19.956	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	236194	20.142	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22434	22.020	ug/l	99
82) 4-Chlorotoluene	12.77	91	178772	18.933	ug/l	99
83) tert-Butylbenzene	12.99	119	203990	19.625	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	235278	20.014	ug/l	100
85) sec-Butylbenzene	13.17	105	262270	18.659	ug/l	100
86) p-Isopropyltoluene	13.29	119	234535	19.443	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	118504	20.027	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	114893	20.048	ug/l	99
89) n-Butylbenzene	13.61	91	184770	20.234	ug/l	99
90) Hexachloroethane	13.87	117	35565	18.911	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	122949	20.942	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15956	24.694	ug/l	95

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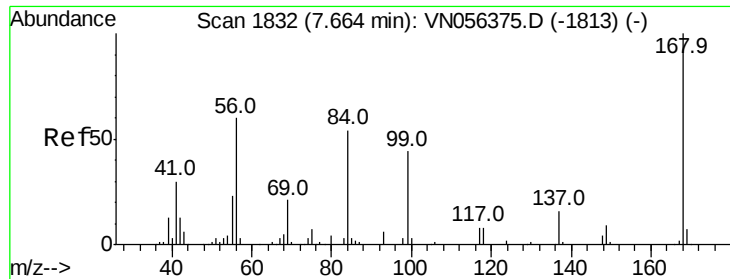
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56750	22.092	ug/l	97
94) Hexachlorobutadiene	15.01	225	41684	19.818	ug/l	99
95) Naphthalene	15.13	128	143510	21.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	61123	22.047	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion:168 Resp: 289705

Ion Ratio Lower Upper

168 100

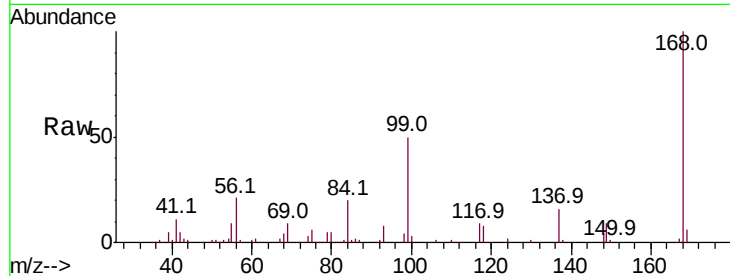
99 49.2 40.6 61.0

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

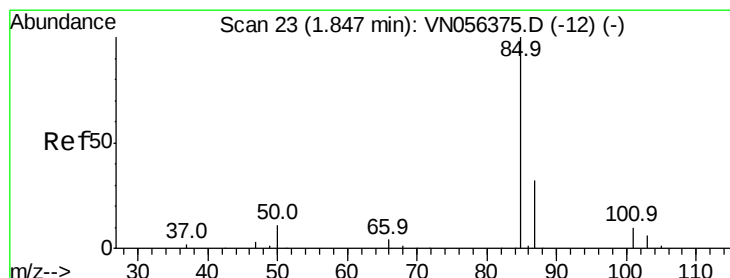
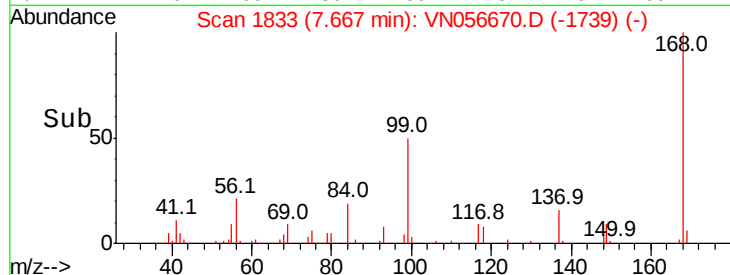
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.163 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056670.D

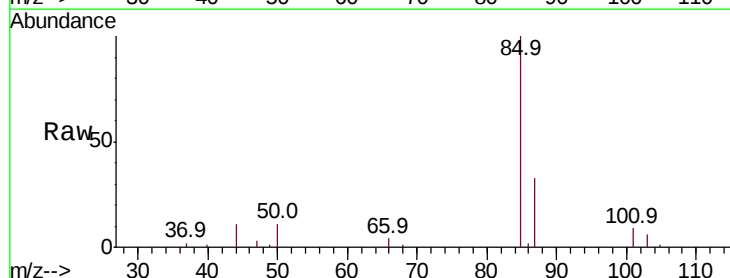
Acq: 11 Jul 2019 17:19

Tgt Ion: 85 Resp: 44555

Ion Ratio Lower Upper

85 100

87 33.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

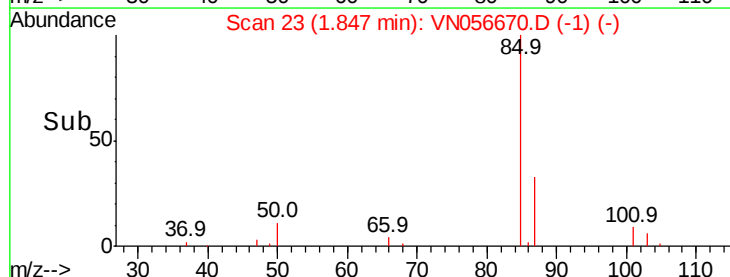
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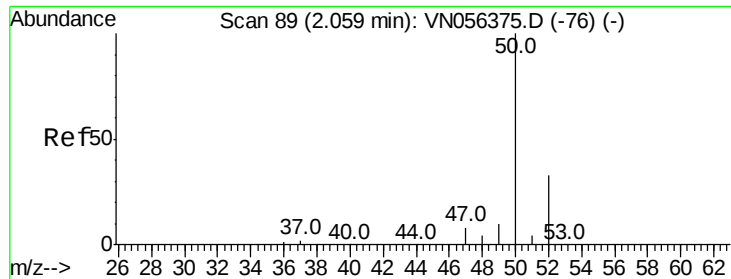
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10000

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Time-->





#3

Chloromethane

Concen: 17.178 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 50 Resp: 57376

Ion Ratio Lower Upper

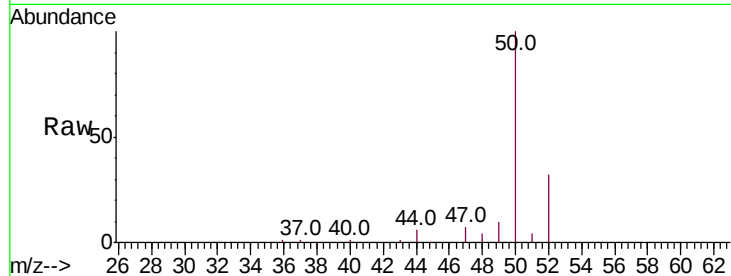
50 100

52 32.3 26.5 39.7

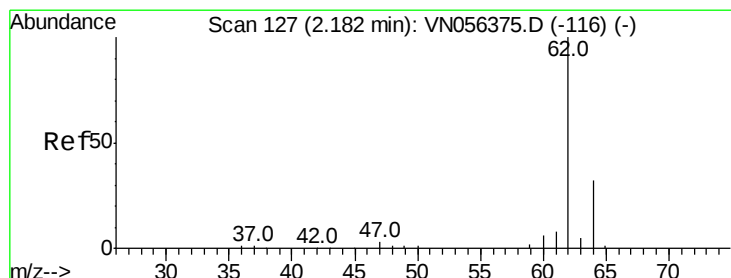
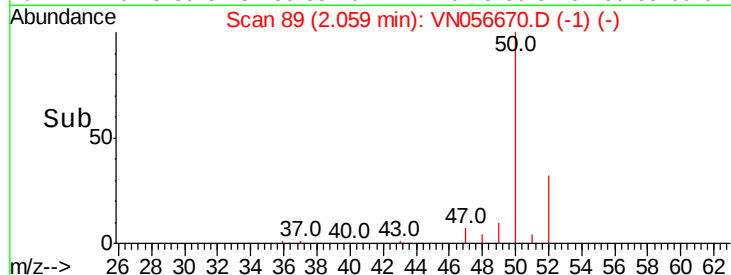
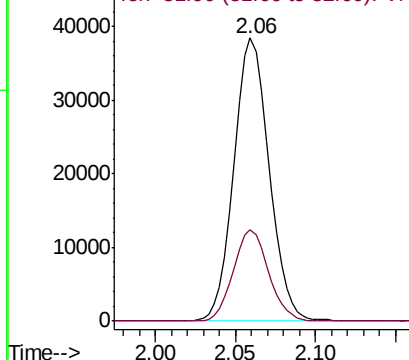
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.631 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056670.D

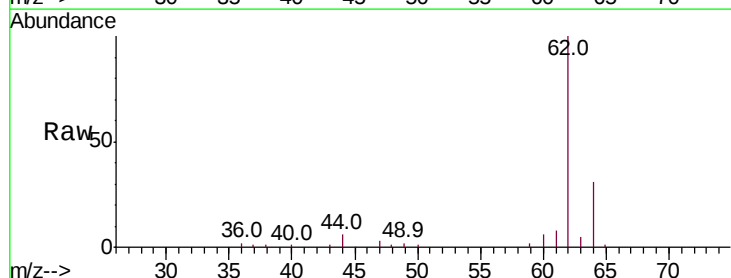
Acq: 11 Jul 2019 17:19

Tgt Ion: 62 Resp: 60104

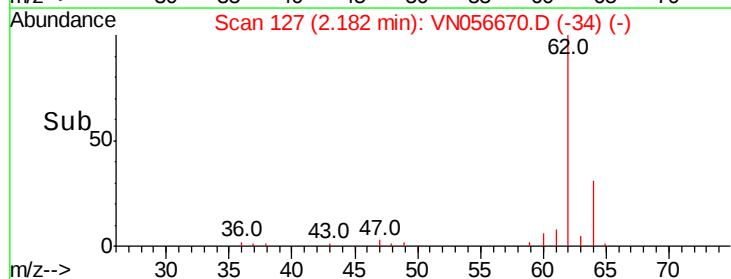
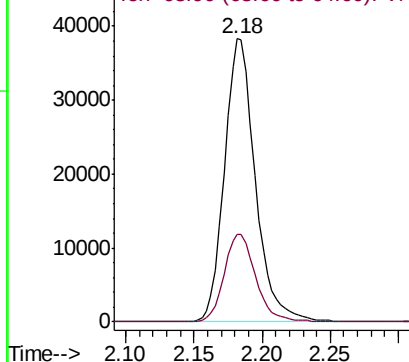
Ion Ratio Lower Upper

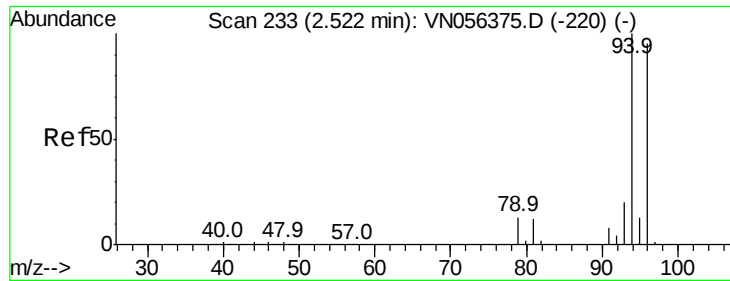
62 100

64 31.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.946 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.03 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 94 Resp: 35832

Ion Ratio Lower Upper

94 100

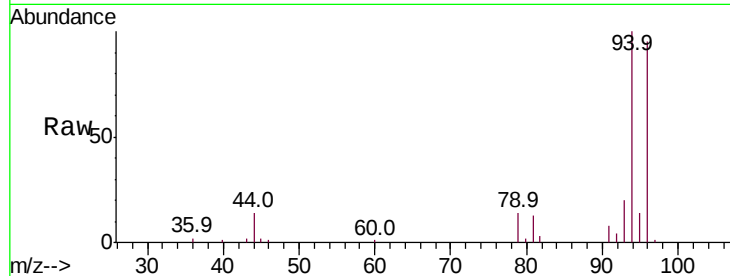
96 94.5 76.0 114.0

Manual Integrations

APPROVED

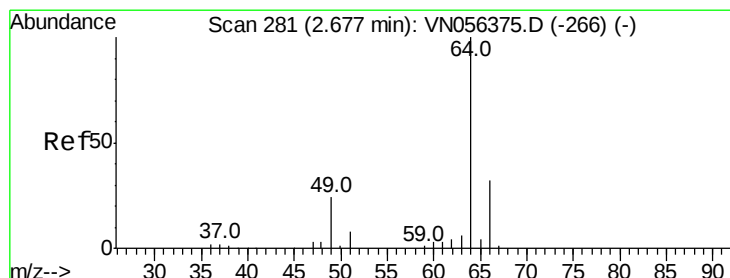
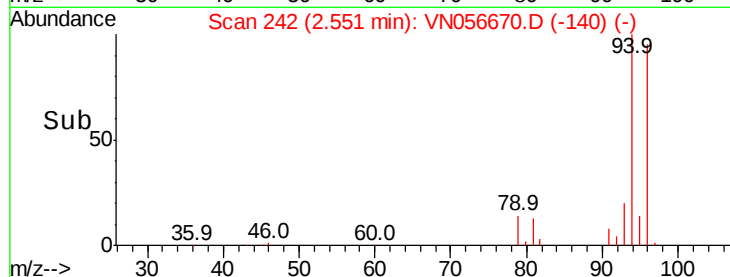
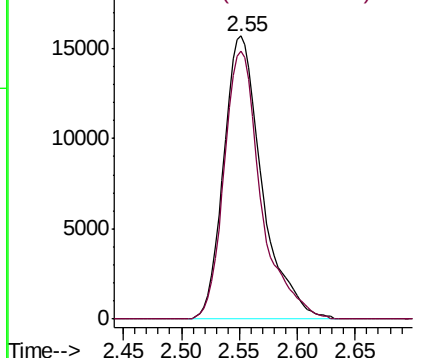
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.993 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.02 min

Lab File: VN056670.D

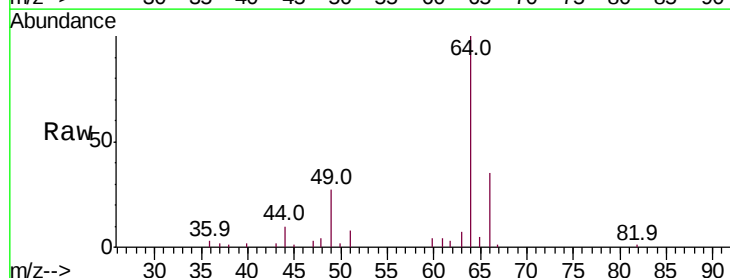
Acq: 11 Jul 2019 17:19

Tgt Ion: 64 Resp: 35484

Ion Ratio Lower Upper

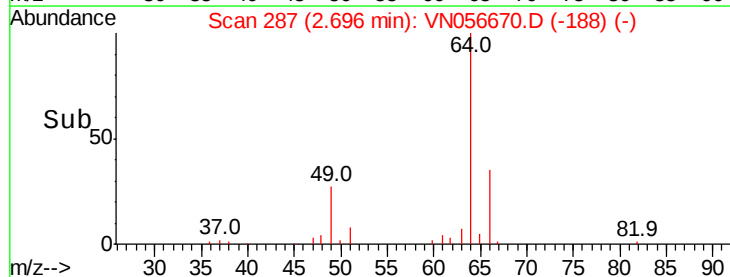
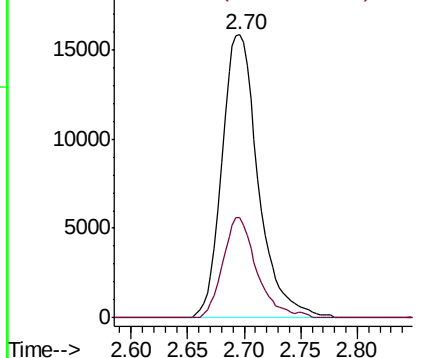
64 100

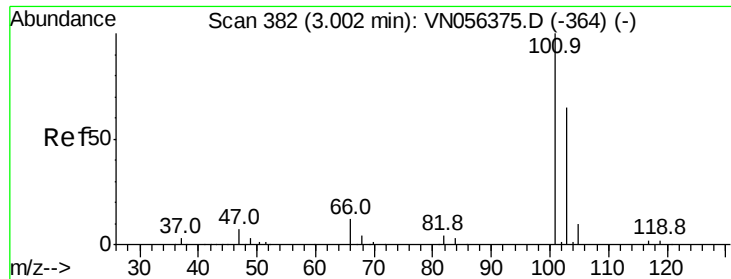
66 35.5 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

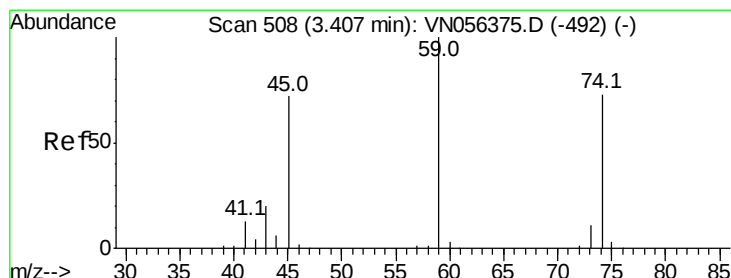
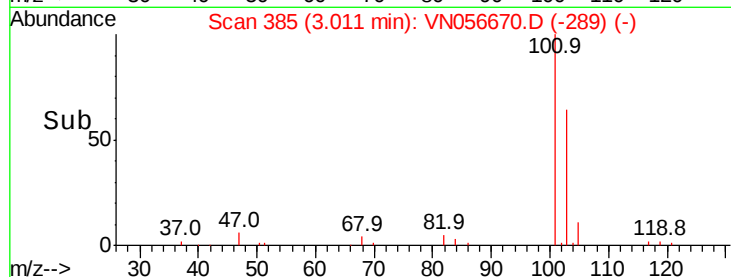
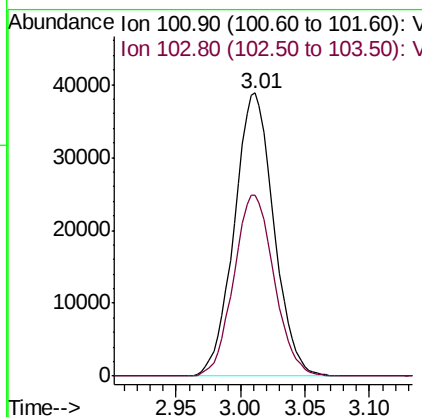
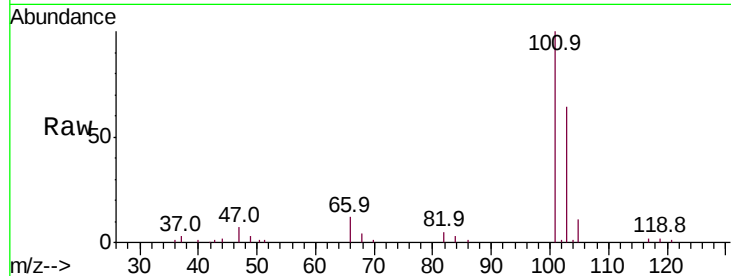
Trichlorofluoromethane
Concen: 19.862 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.01 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

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VN0712WBSD01

Tot Ion:101 Resp: 82885
Ion Ratio Lower Upper
101 100
103 64.1 51.7 77.5

Manual Integrations
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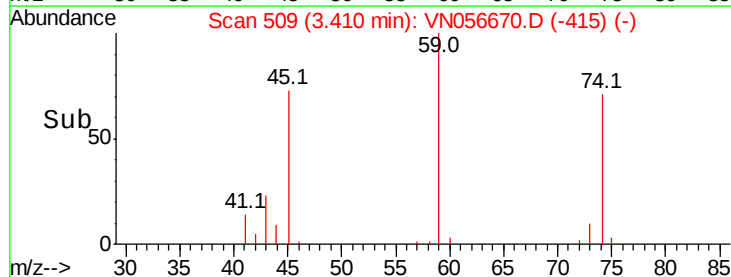
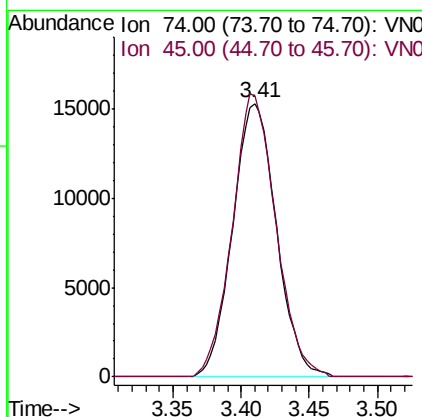
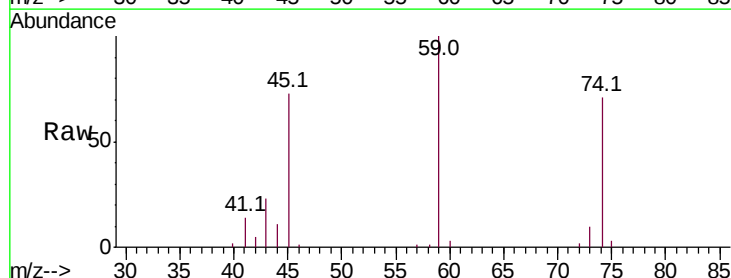
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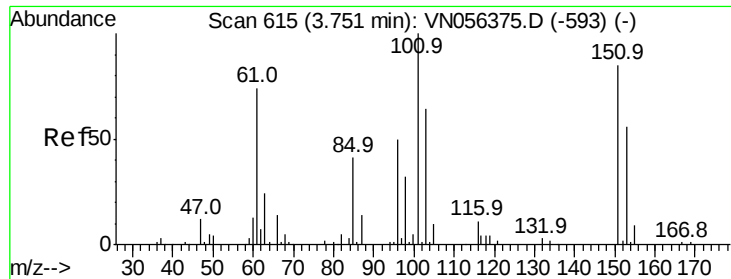


#8

Diethyl Ether
Concen: 19.318 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 74 Resp: 34118
Ion Ratio Lower Upper
74 100
45 102.8 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.035 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

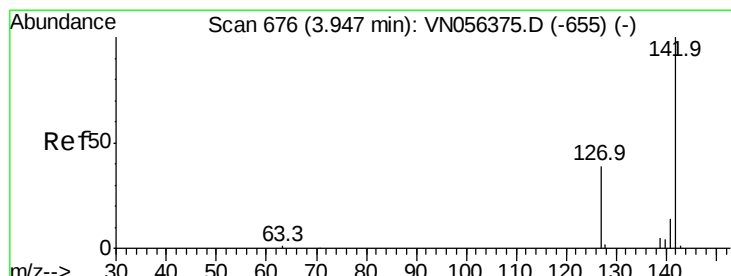
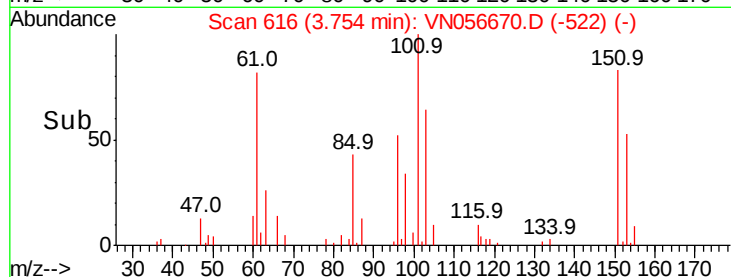
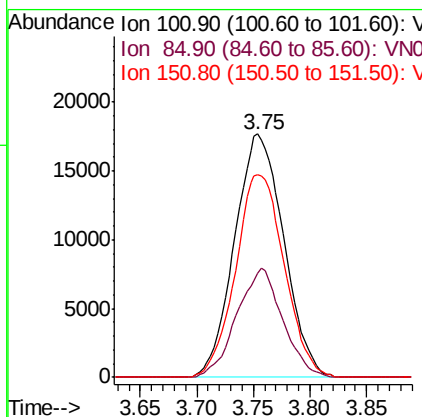
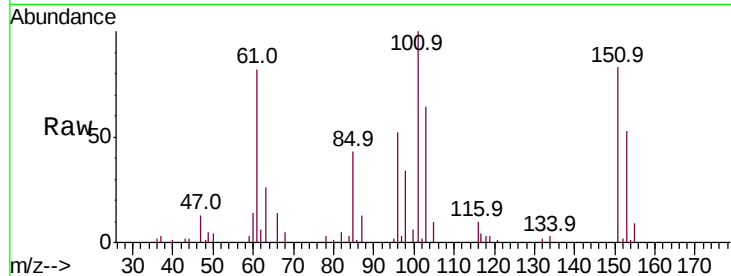
ClientSampleId :

VN0712WBSD01

Tot Ion:	101	Resp:	53319
Ion Ratio	Lower	Upper	
101	100		
85	41.8	32.7	49.1
151	82.6	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 16.244 ug/l

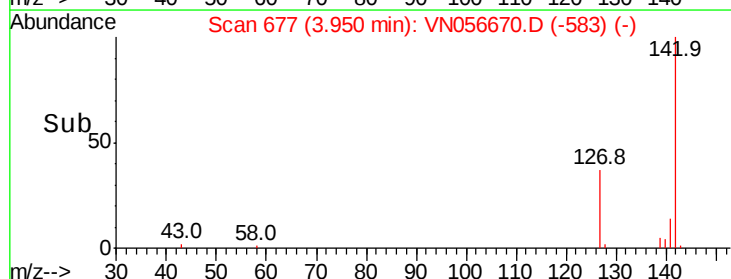
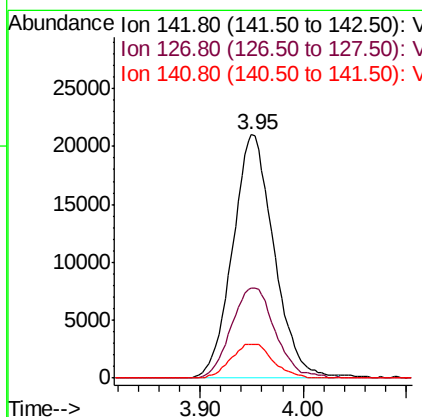
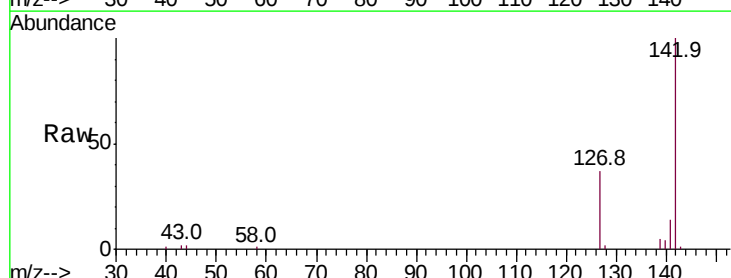
RT: 3.95 min Scan# 677

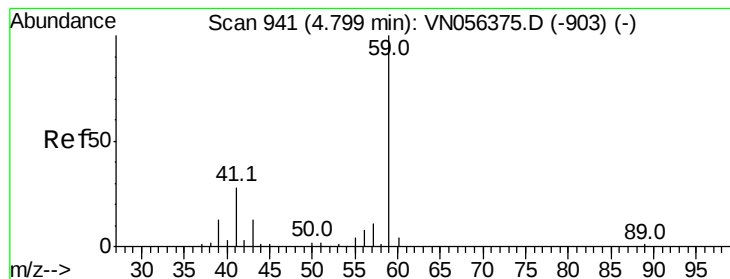
Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion:	142	Resp:	58427
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.6	46.0
141	14.3	11.4	17.2





#11

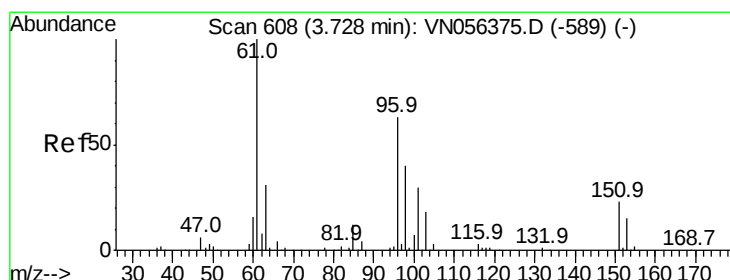
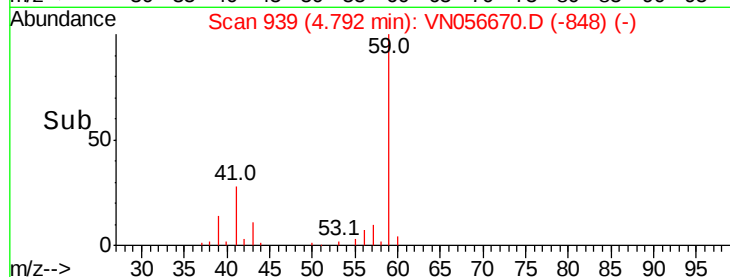
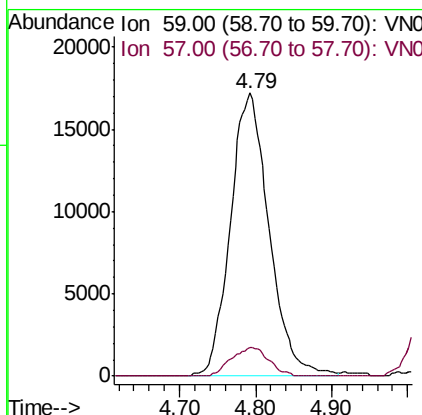
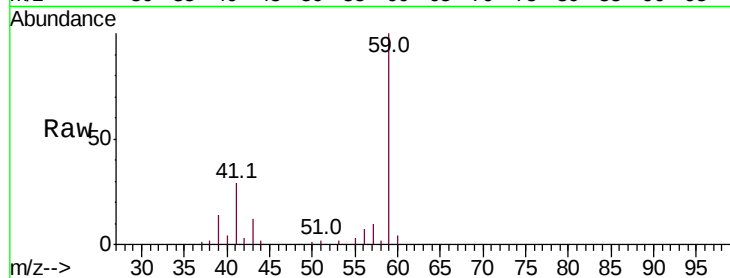
Tert butyl alcohol
 Concen: 112.705 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.6	11.4

Manual Integrations
 APPROVED

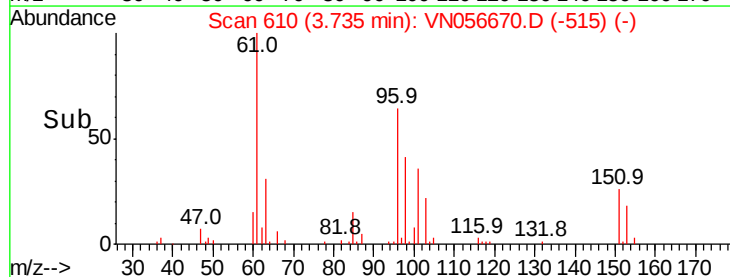
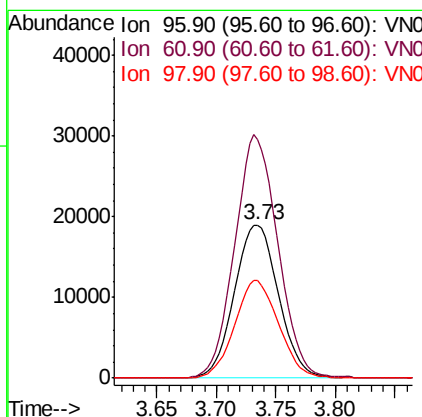
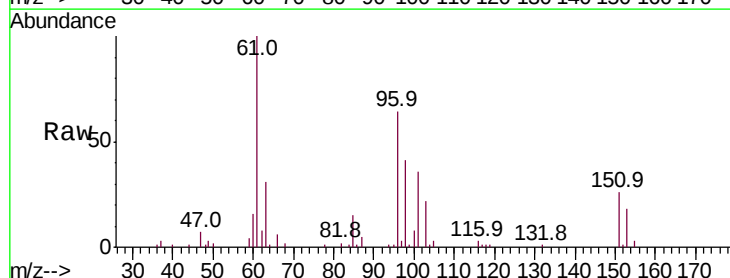
MMDadoda
 7/12/2019 5:32:59 PM

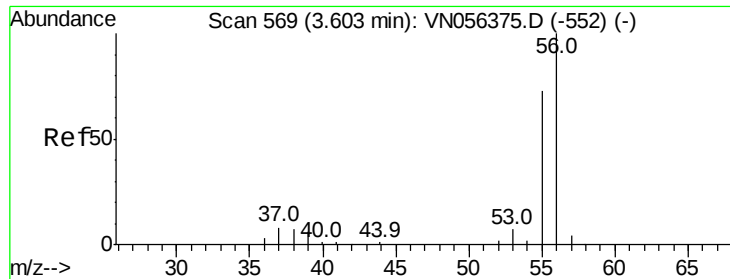


#12

1,1-Dichloroethene
 Concen: 19.056 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.2	126.6	190.0
98	63.6	51.1	76.7





#13

Acrolein

Concen: 35.449 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 56 Resp: 16157

Ion Ratio Lower Upper

56 100

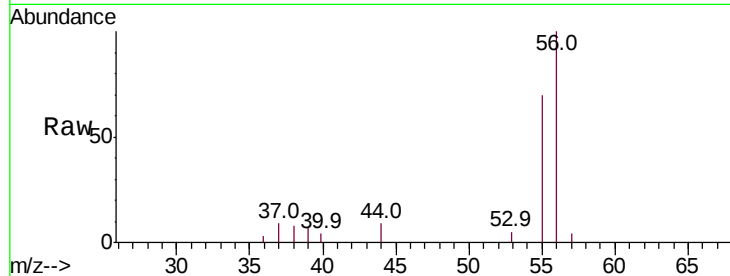
55 69.9 57.1 85.7

Manual Integrations

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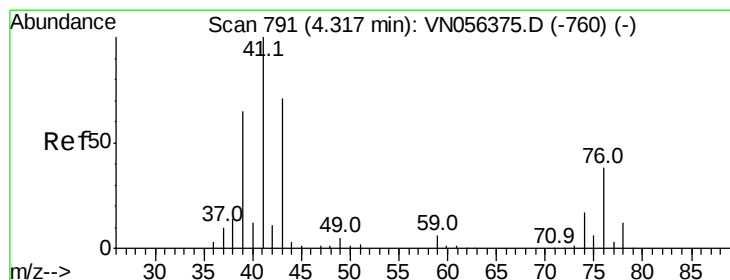
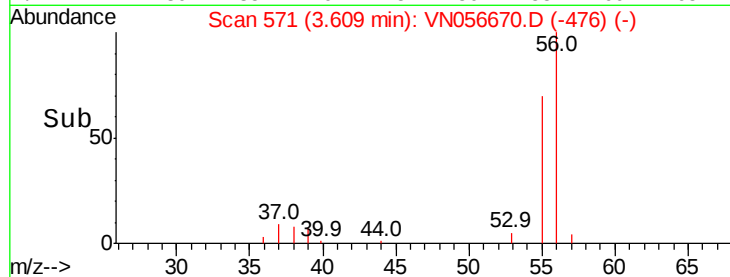
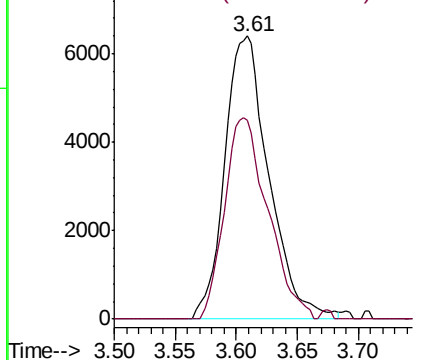
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.530 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

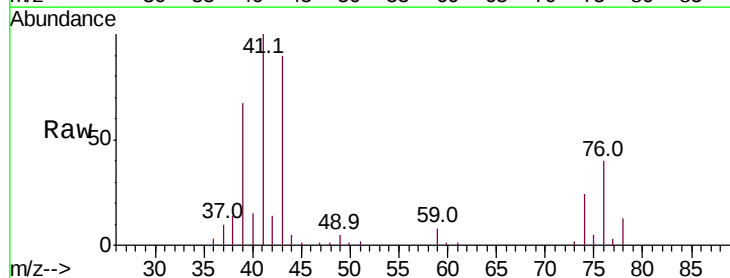
Tgt Ion: 41 Resp: 87463

Ion Ratio Lower Upper

41 100

39 60.4 48.6 73.0

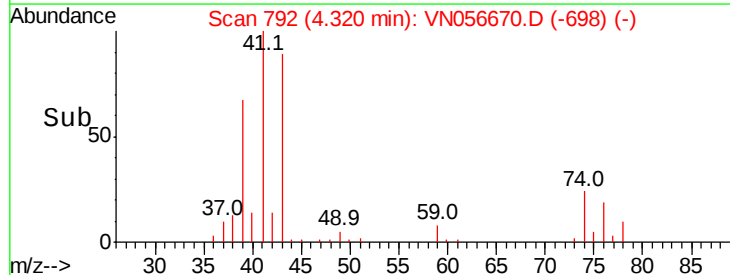
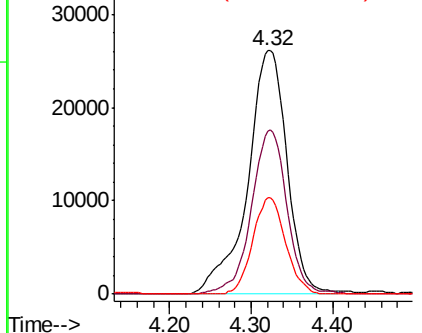
76 32.7 26.6 40.0

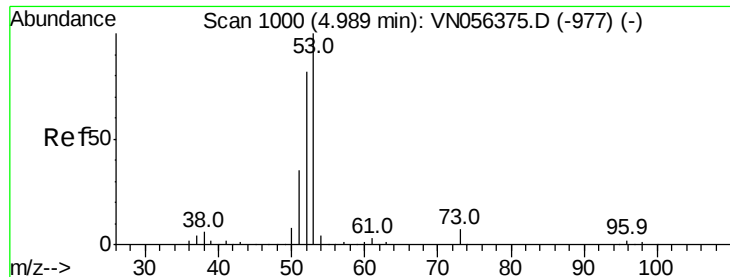


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 112.878 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

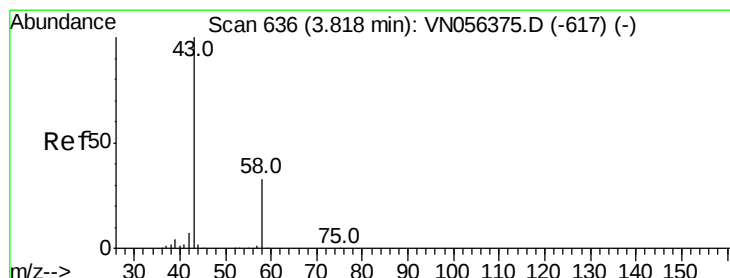
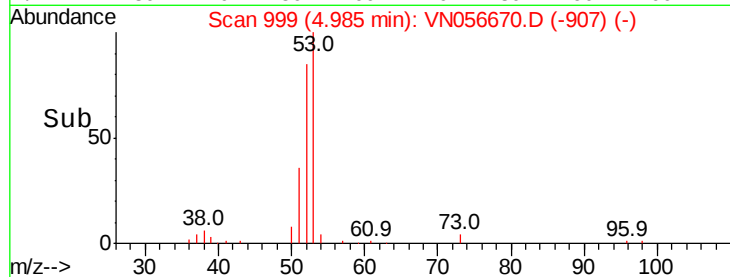
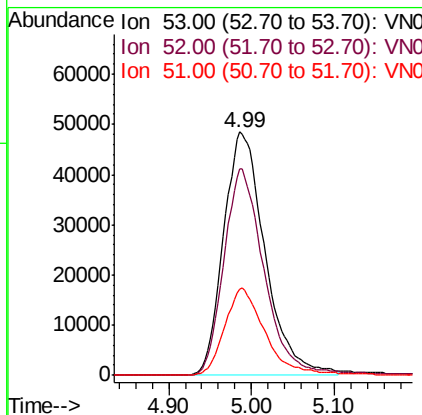
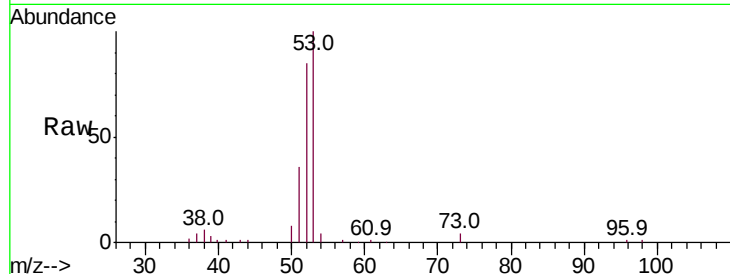
ClientSampleId :

VN0712WBSD01

Tot Ion:	53	Resp:	168875
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.9	98.9
51	34.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 88.566 ug/l

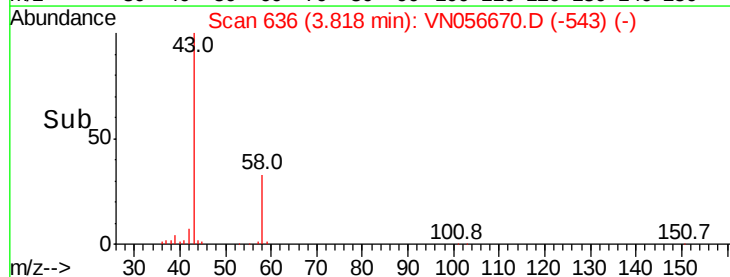
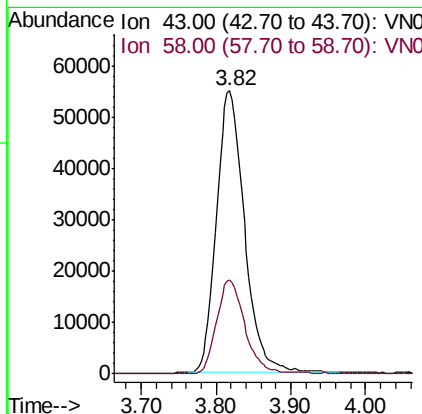
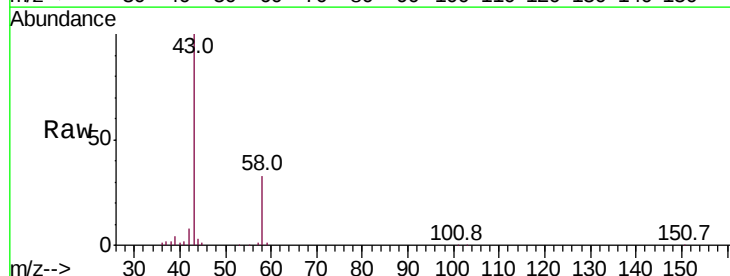
RT: 3.82 min Scan# 636

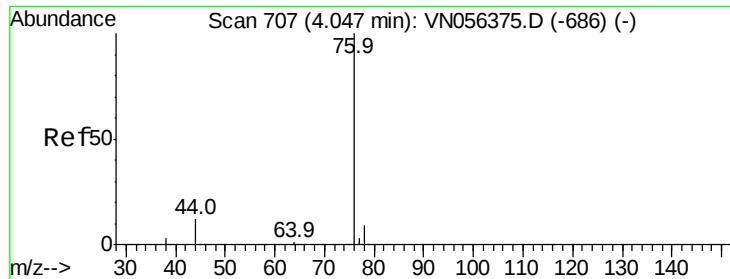
Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion:	43	Resp:	142473
Ion	Ratio	Lower	Upper
43	100		
58	33.3	26.4	39.6





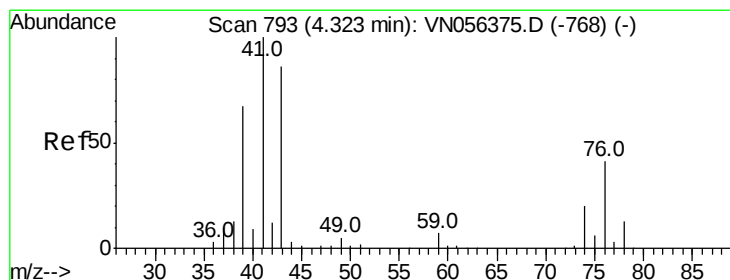
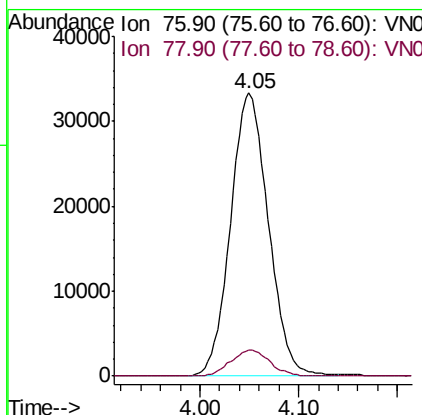
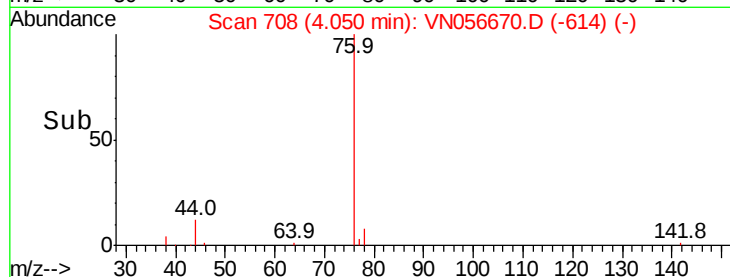
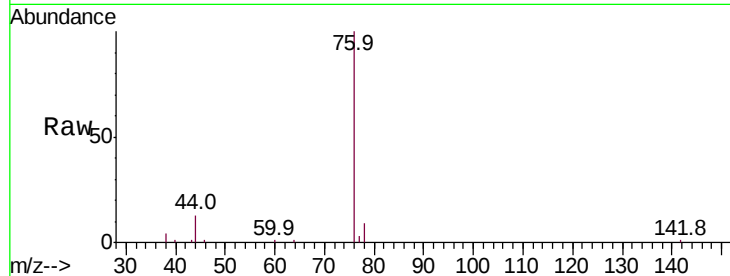
#17
Carbon Disulfide
Concen: 15.267 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion: 76 Resp: 88870
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

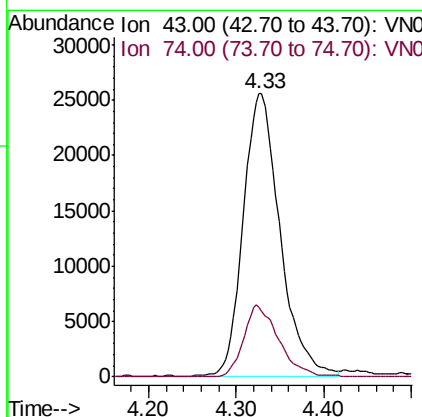
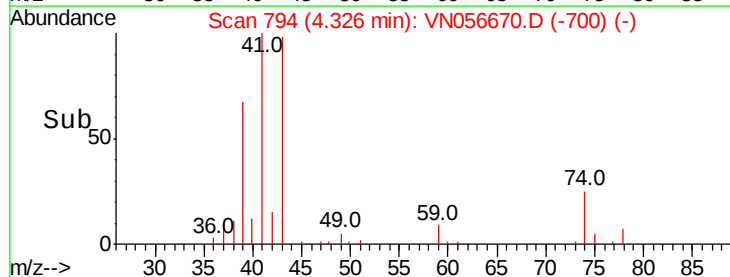
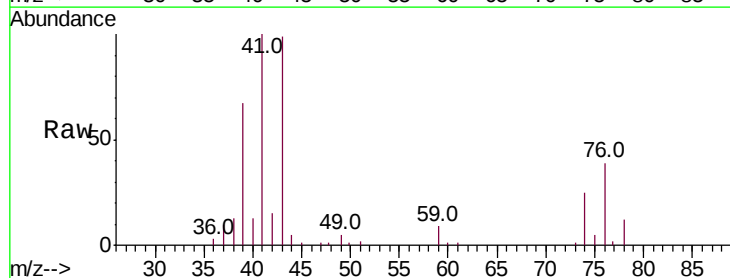
Manual Integrations
APPROVED

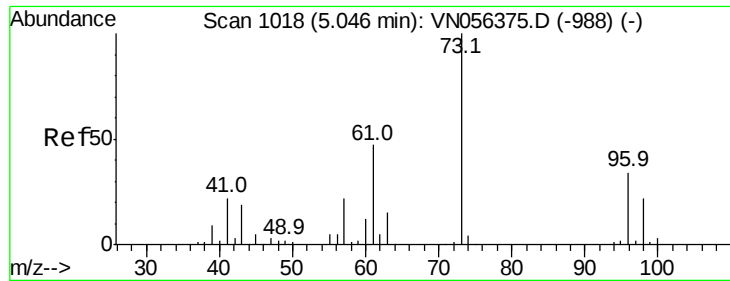
MMDadoda
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#18
Methyl Acetate
Concen: 23.363 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 43 Resp: 75066
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8





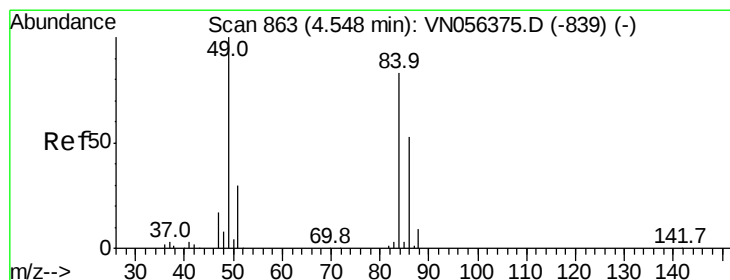
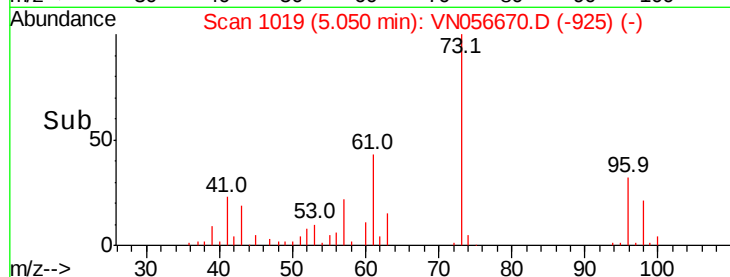
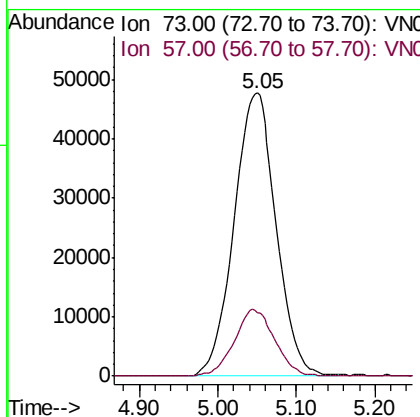
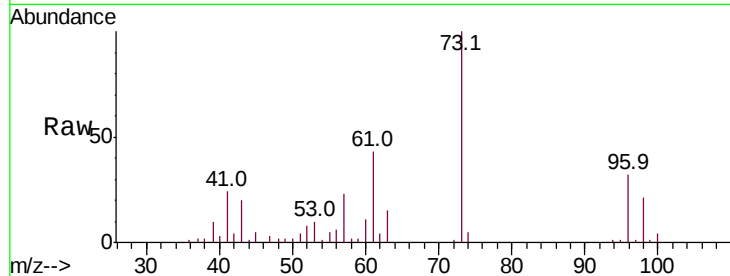
#19
Methvl tert-butvl Ether
Concen: 21.057 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion: 73 Resp: 178317
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9

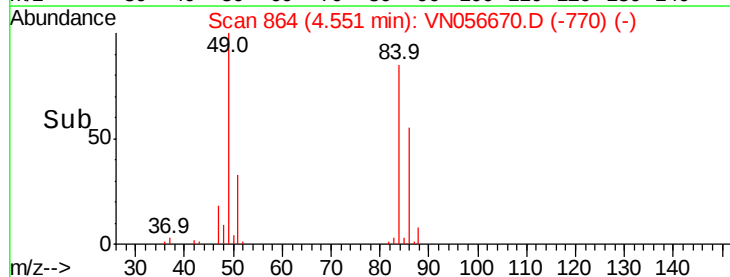
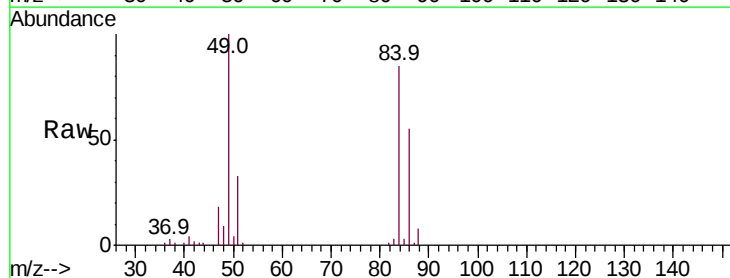
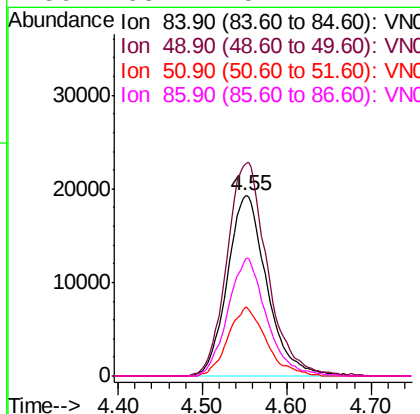
Manual Integrations
APPROVED

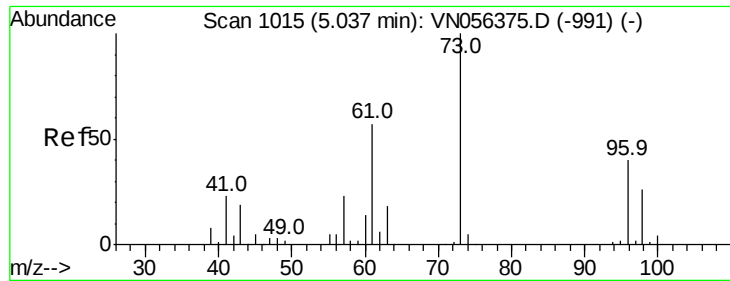
MMDadoda
7/12/2019 5:32:59 PM



#20
Methylene Chloride
Concen: 20.160 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 84 Resp: 62748
Ion Ratio Lower Upper
84 100
49 118.2 96.4 144.6
51 38.5 28.6 43.0
86 65.2 51.4 77.2





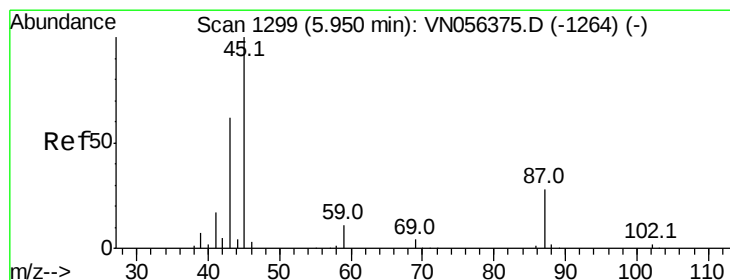
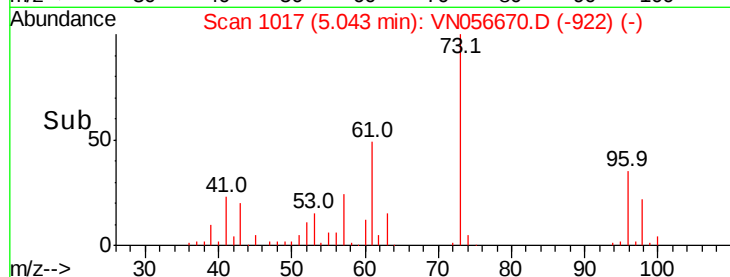
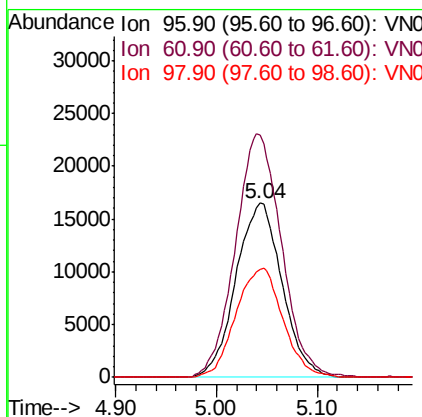
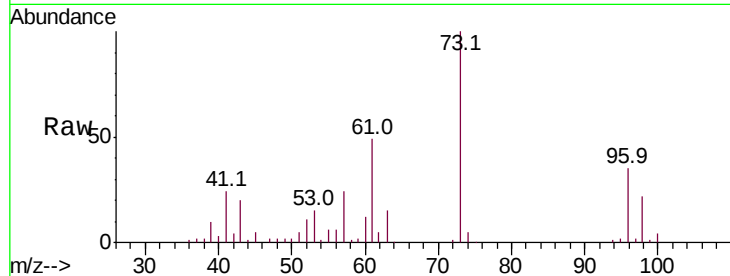
#21
trans-1,2-Dichloroethene
Concen: 18.957 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	113.0	169.6
98	62.3	52.2	78.2

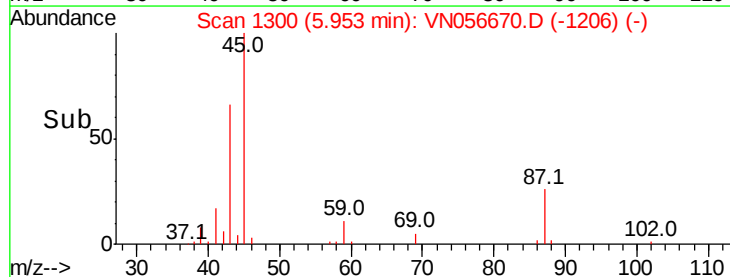
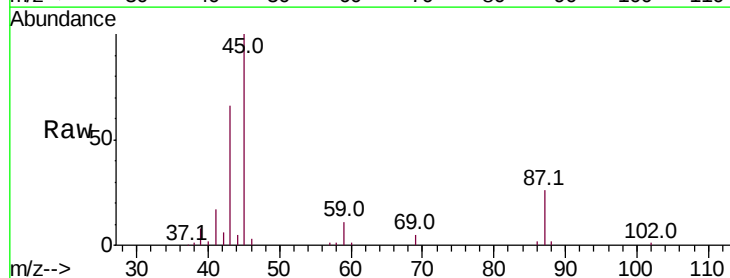
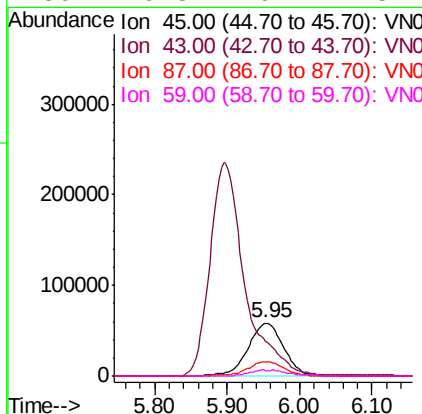
Manual Integrations
APPROVED

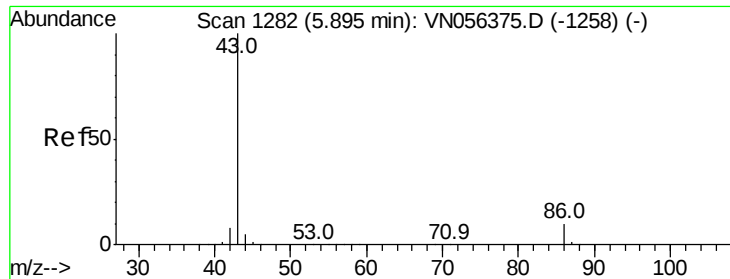
MMDadoda
7/12/2019 5:32:59 PM



#22
Diisopropyl ether
Concen: 22.326 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	50.4	75.6
87	26.2	23.0	34.4
59	10.8	9.1	13.7





#23

Vinyl Acetate

Concen: 111.471 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 43 Resp: 786618

Ion Ratio Lower Upper

43 100

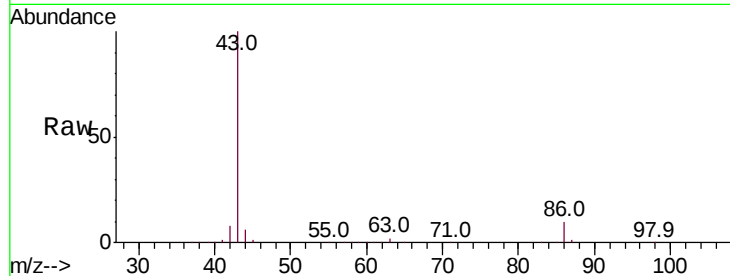
86 10.3 8.3 12.5

Manual Integrations

APPROVED

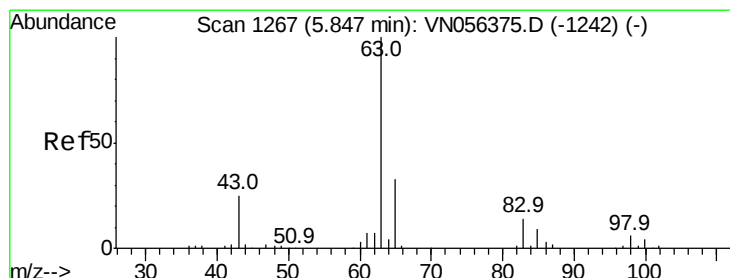
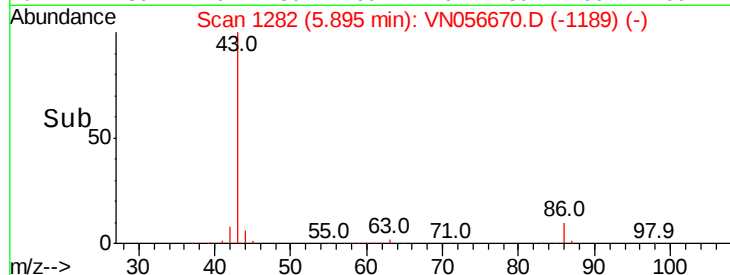
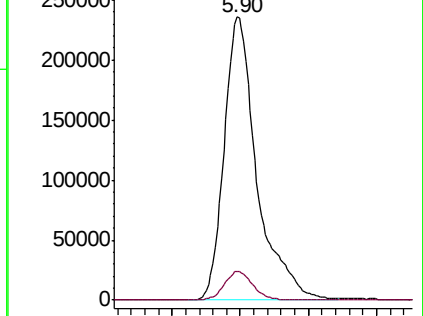
MMDadoda

7/12/2019 5:32:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.183 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

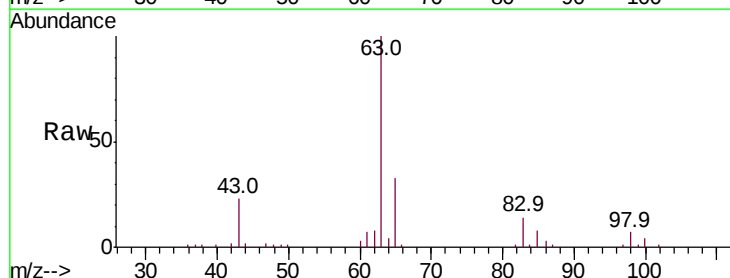
Tgt Ion: 63 Resp: 108790

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

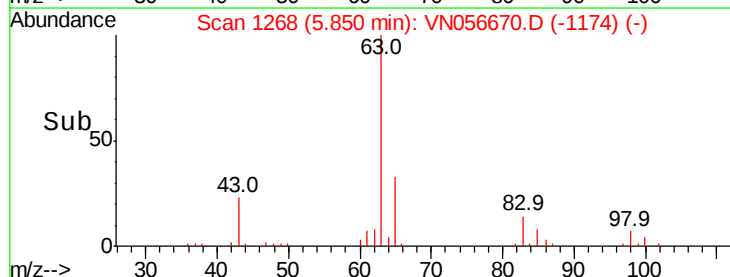
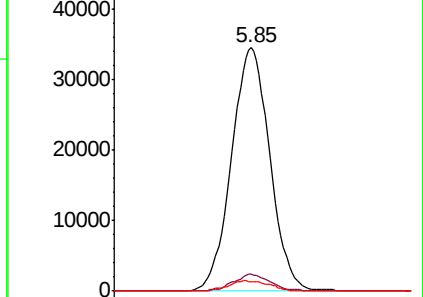
100 4.0 2.1 6.5

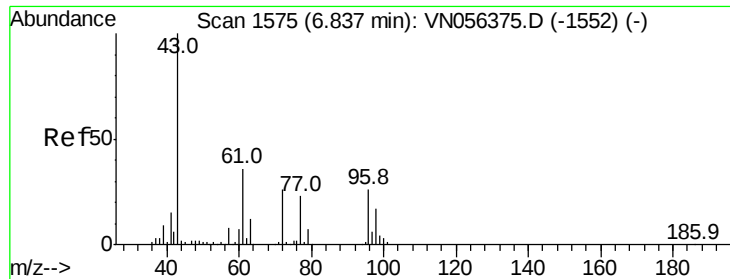


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 107.075 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 43 Resp: 227972

Ion Ratio Lower Upper

43 100

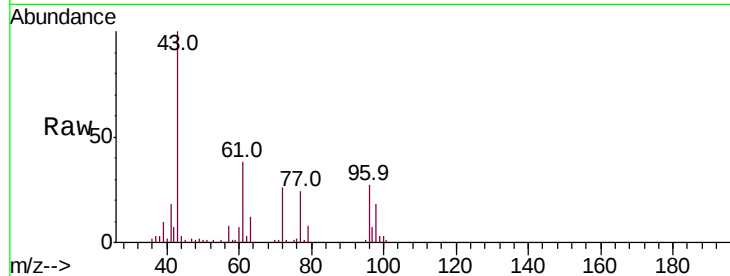
72 26.0 20.6 31.0

Manual Integrations

APPROVED

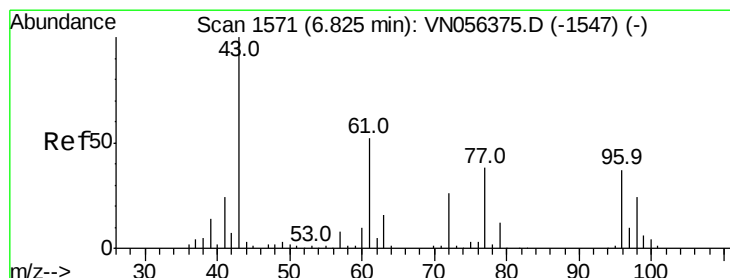
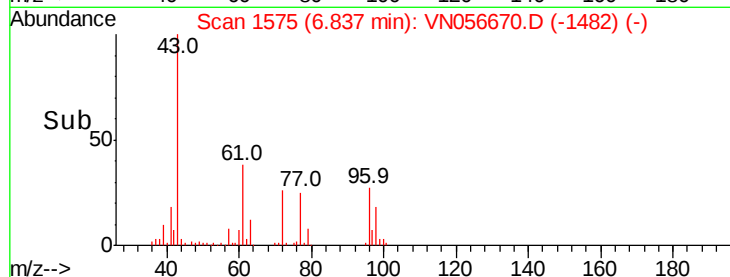
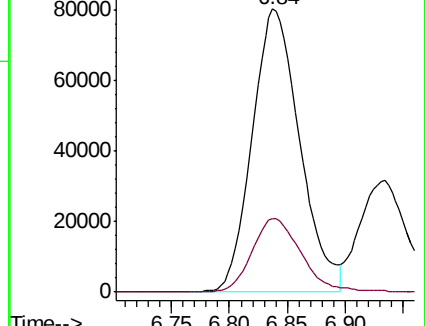
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.869 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056670.D

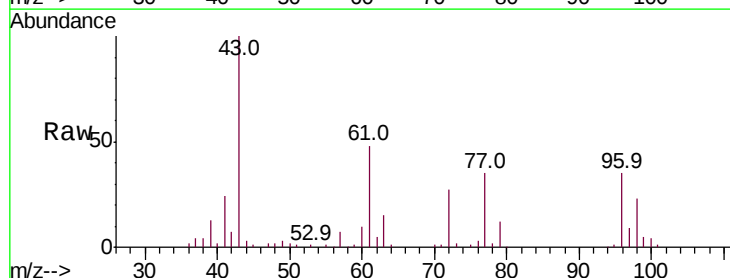
Acq: 11 Jul 2019 17:19

Tgt Ion: 77 Resp: 74543

Ion Ratio Lower Upper

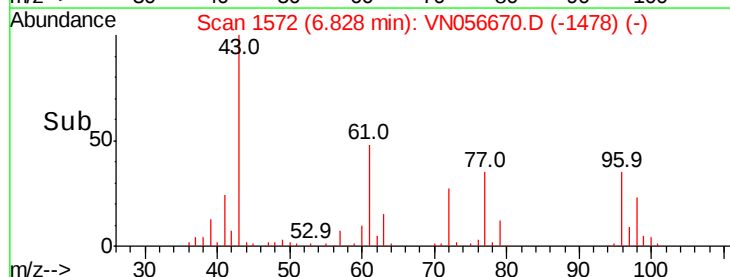
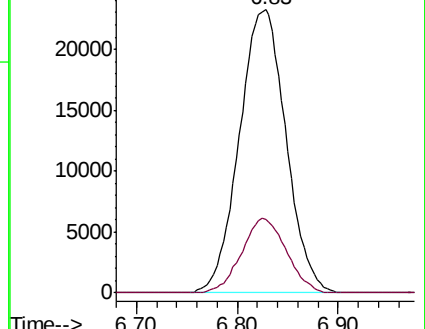
77 100

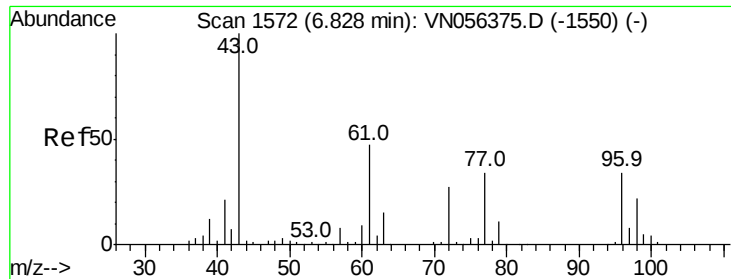
97 25.2 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.595 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

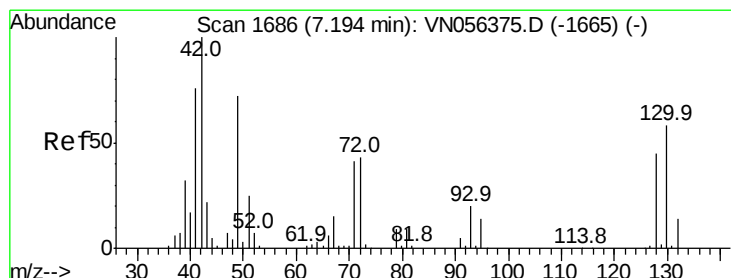
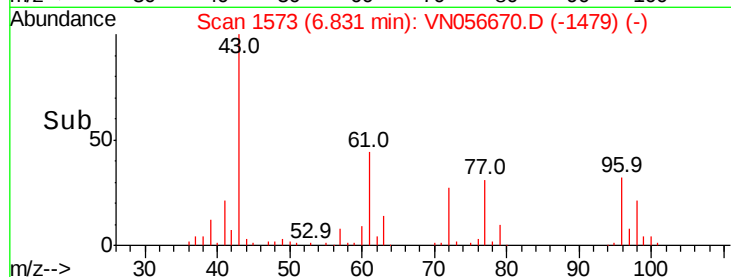
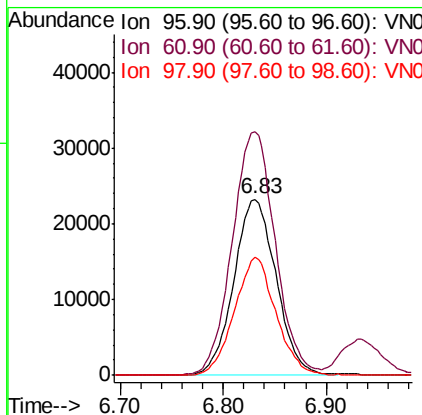
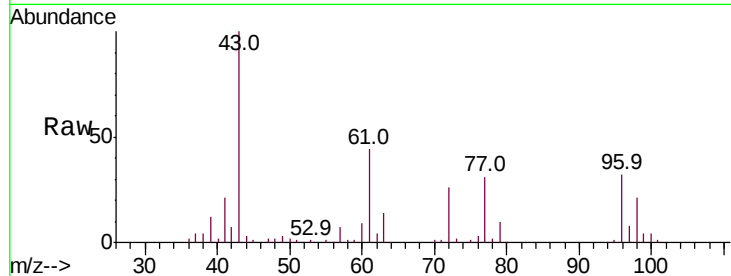
ClientSampleId :

VN0712WBSD01

Tot Ion:	96	Resp:	66484
Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	279.8
98	65.6	0.0	130.0

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#28

Bromochloromethane

Concen: 22.380 ug/l

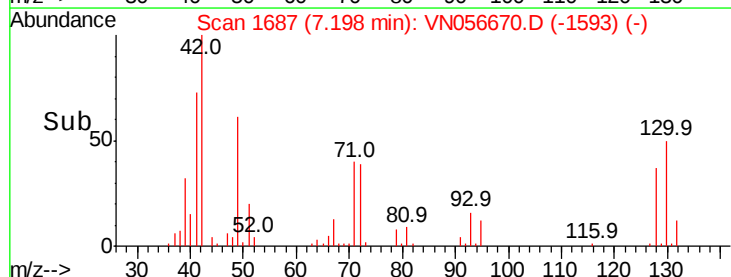
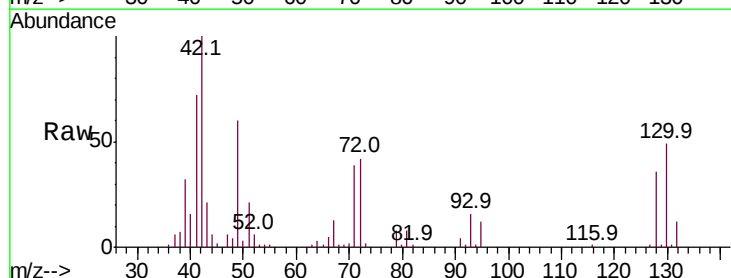
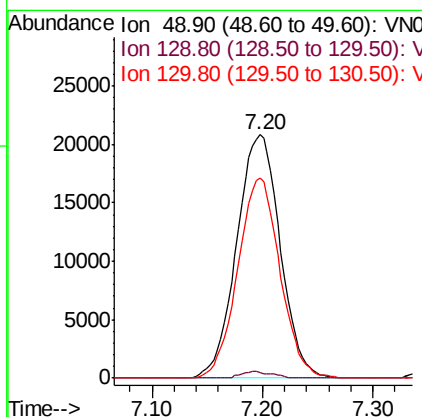
RT: 7.20 min Scan# 1687

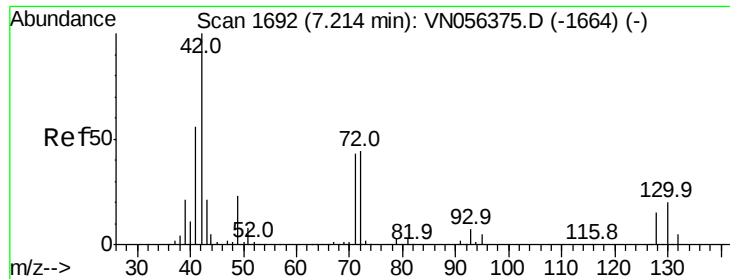
Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion:	49	Resp:	56853
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	79.7	64.9	97.3





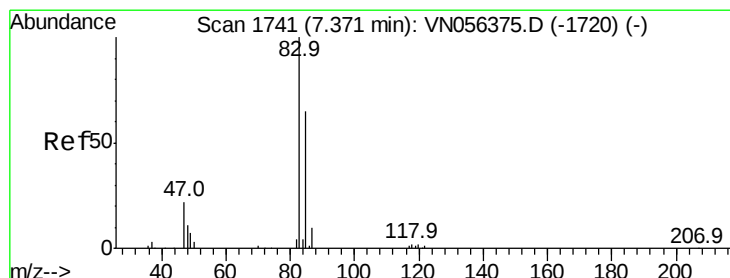
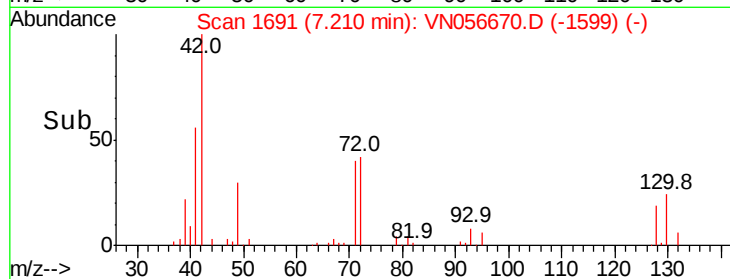
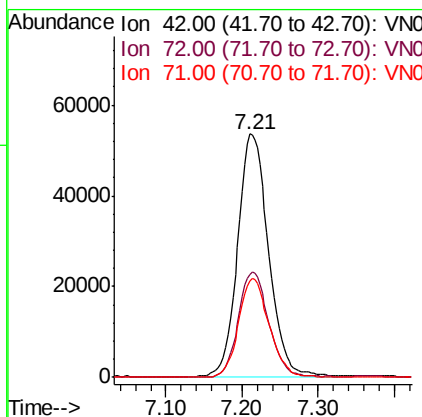
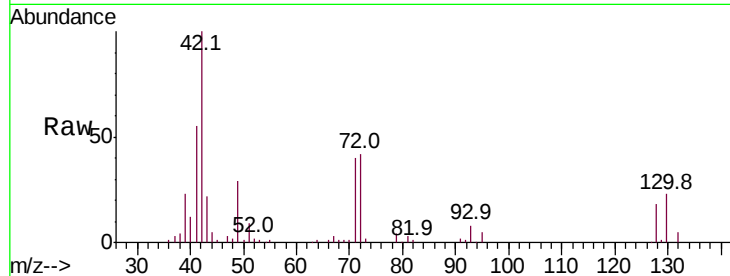
#29
Tetrahydrofuran
Concen: 117.062 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.7	52.1
71	40.0	33.0	49.6

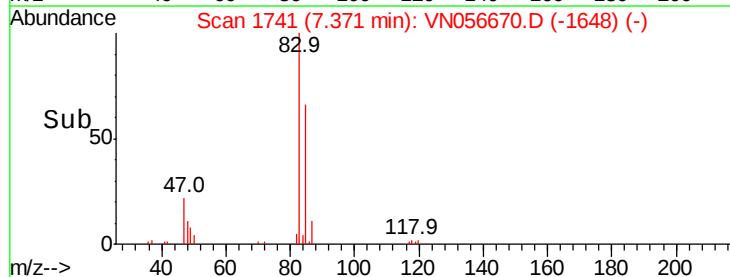
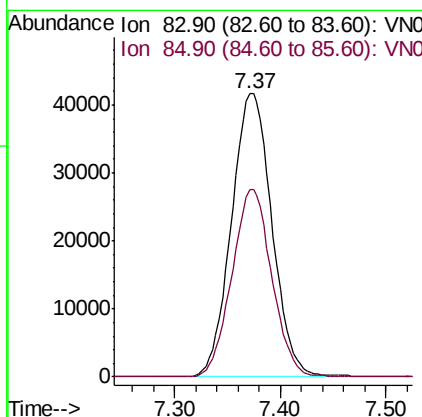
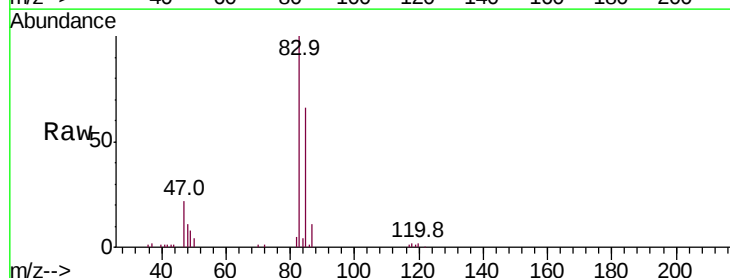
Manual Integrations
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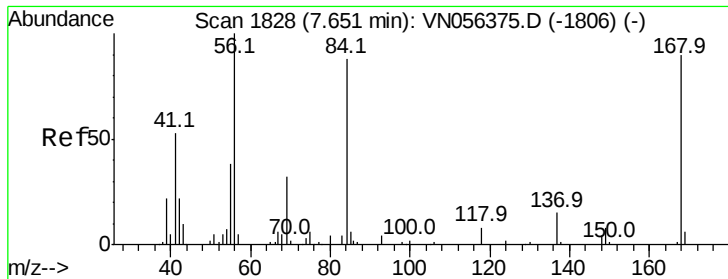
MMDadoda
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#30
Chloroform
Concen: 21.900 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.3	78.5





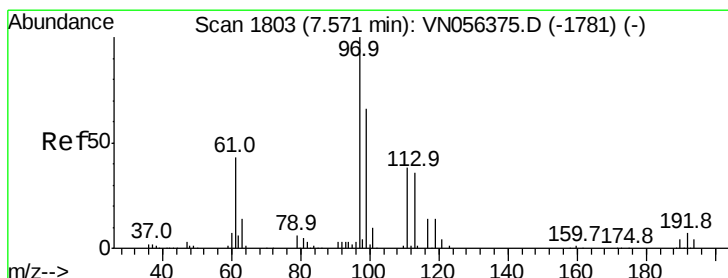
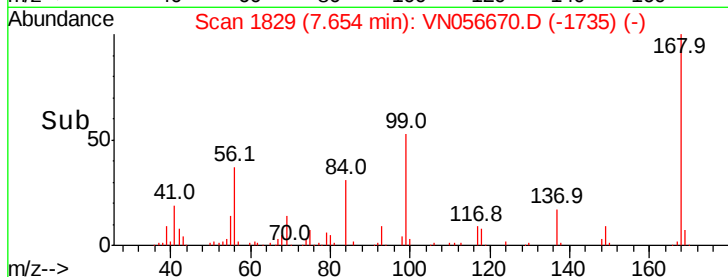
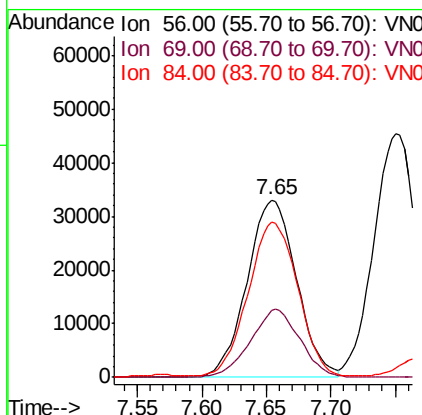
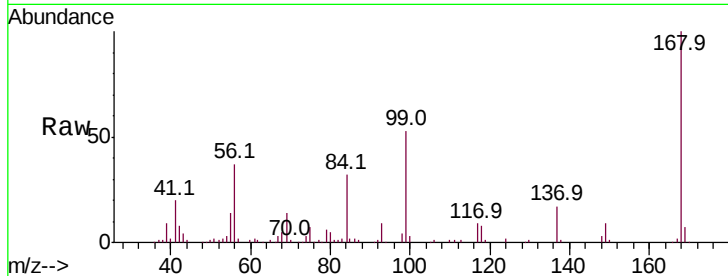
#31
Cyclohexane
Concen: 17.849 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.8	38.6
84	86.5	69.4	104.0

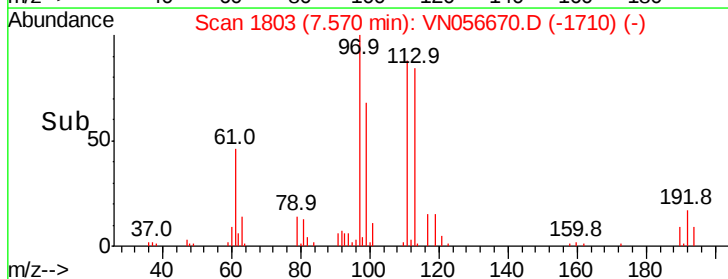
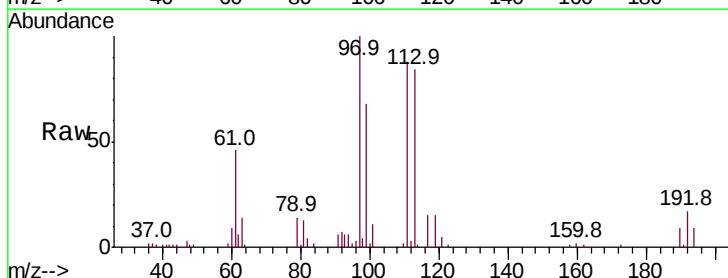
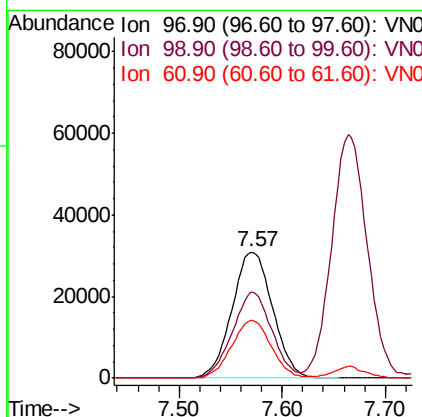
Manual Integrations
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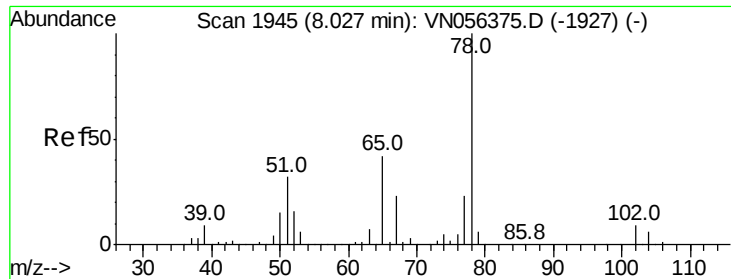
MMDadoda
7/12/2019 5:32:59 PM



#32
1,1,1-Trichloroethane
Concen: 21.114 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.8	77.6
61	44.6	33.9	50.9





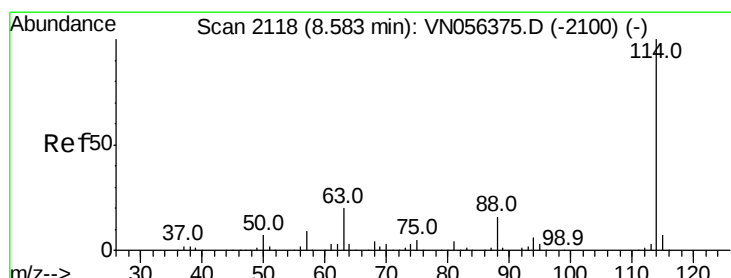
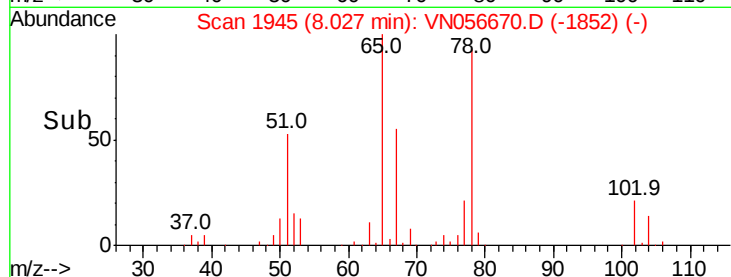
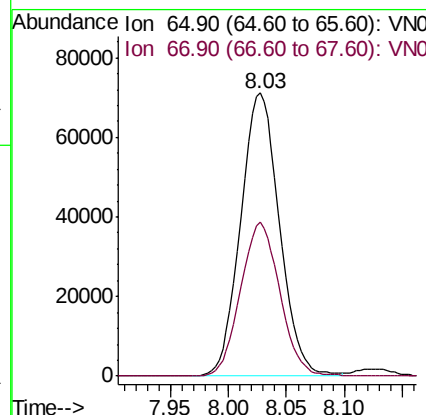
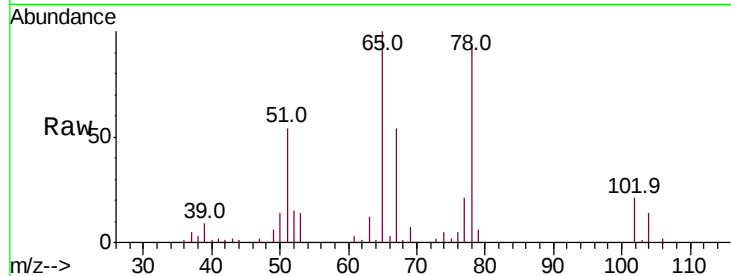
#33
 1,2-Dichloroethane-d4
 Concen: 51.628 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

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

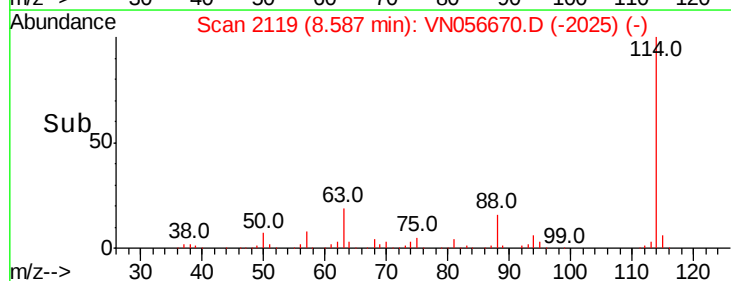
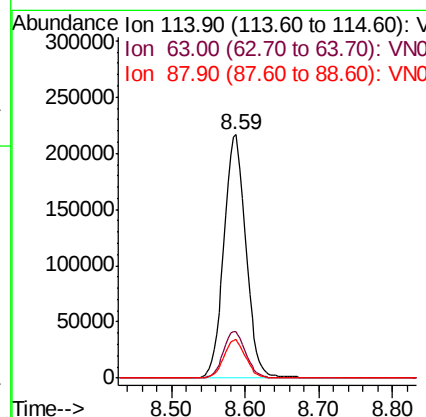
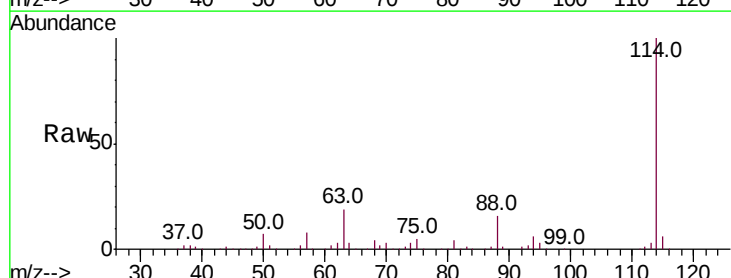
Manual Integrations
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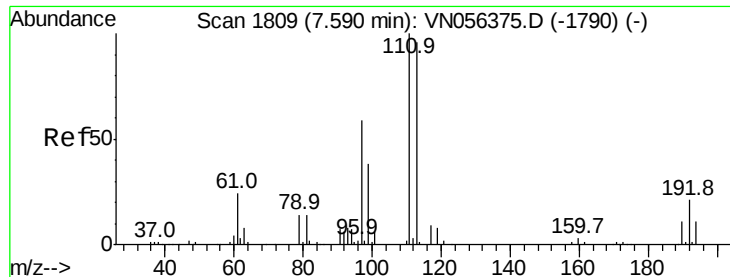
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 7/12/2019 5:32:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	39.2	
88	15.8	0.0	31.4	





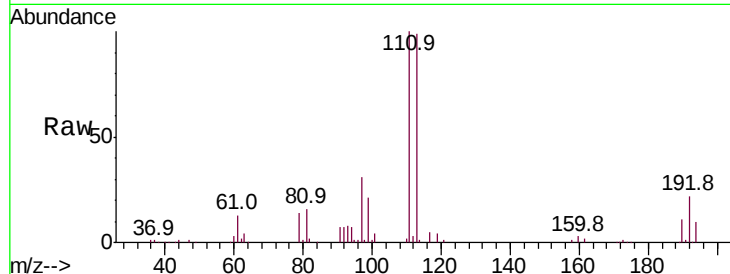
#35
 Dibromofluoromethane
 Concen: 51.263 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.6	82.9	124.3	
192	22.8	17.7	26.5	

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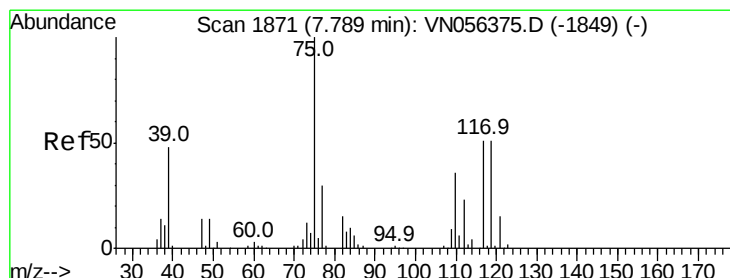
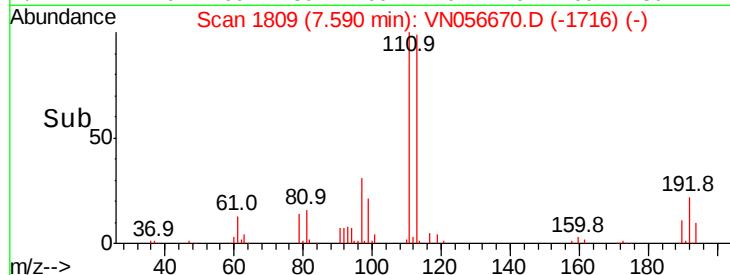
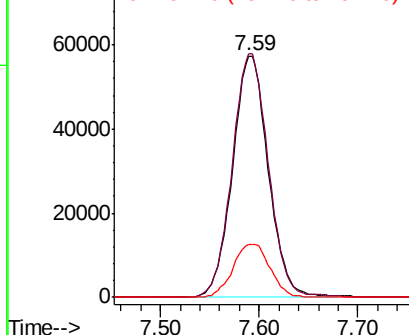


Abundance

Ion 112.80 (112.50 to 113.50): V

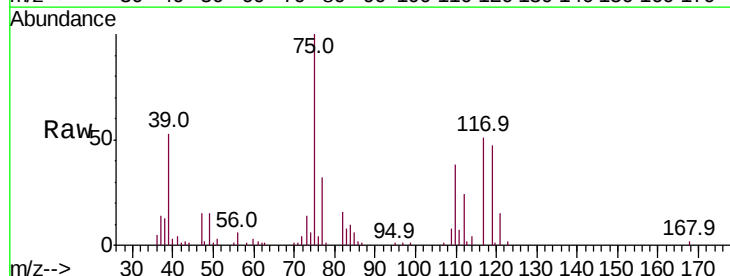
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.472 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.3	18.1	54.3	
77	31.8	24.6	36.8	

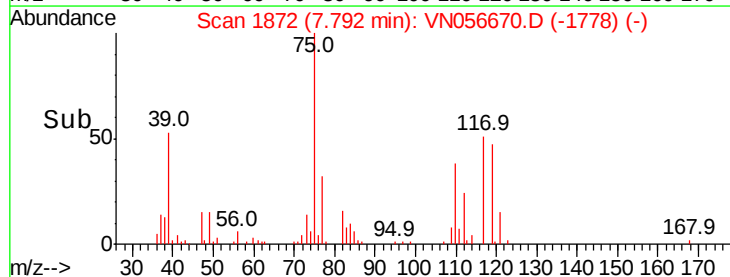
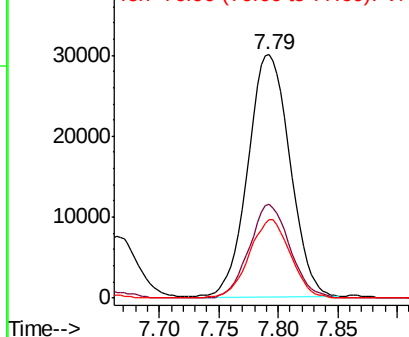


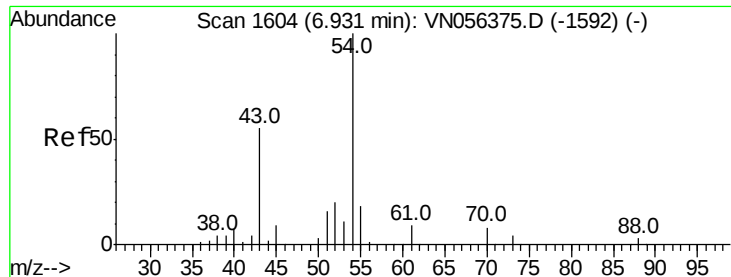
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





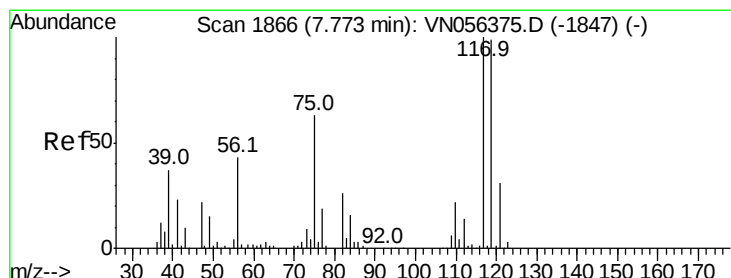
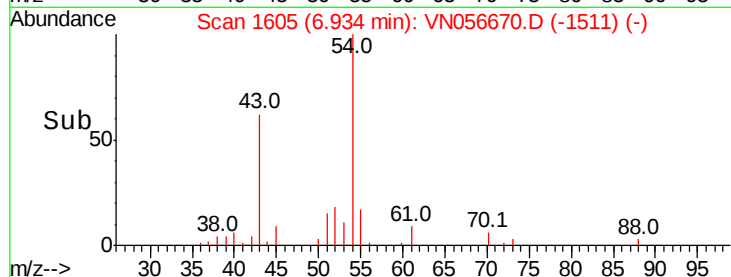
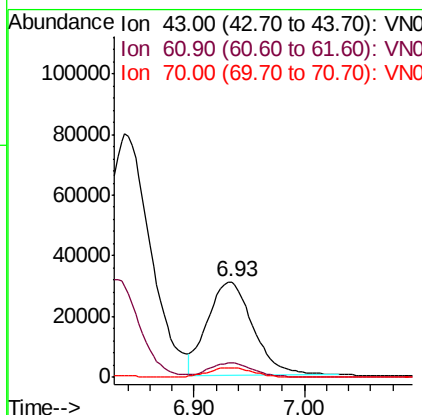
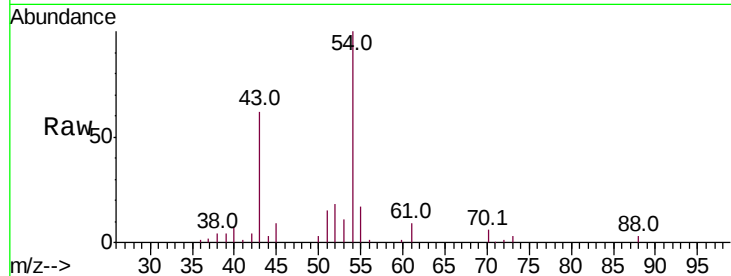
#37
Ethyl Acetate
Concen: 22.800 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.1	16.7
70	10.3	8.3	12.5

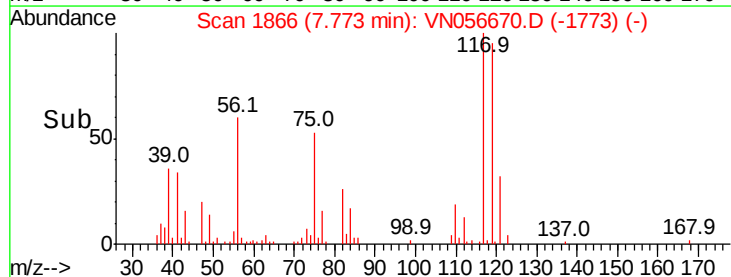
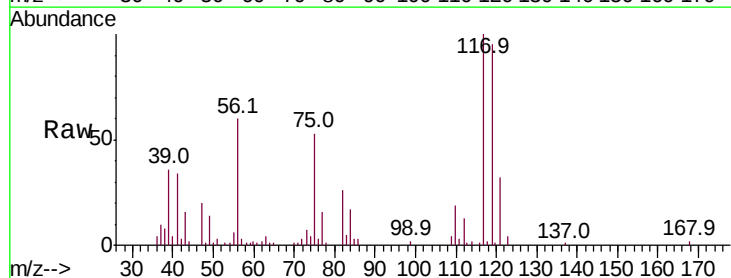
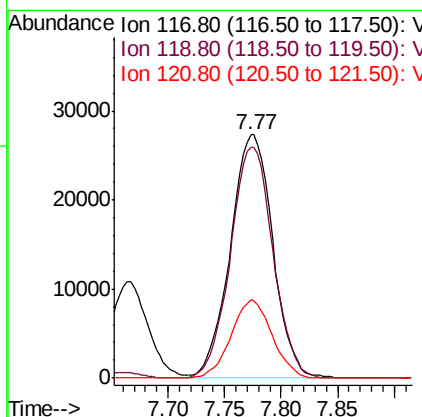
Manual Integrations
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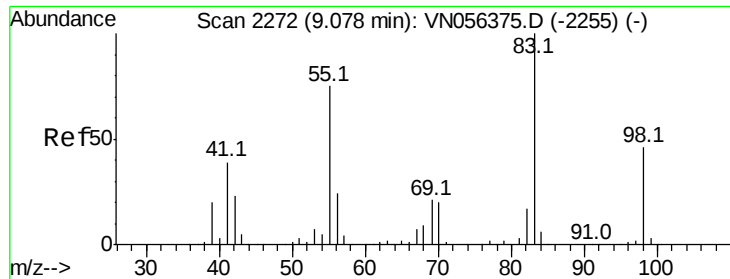
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#38
Carbon Tetrachloride
Concen: 20.569 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	79.1	118.7
121	32.2	24.8	37.2





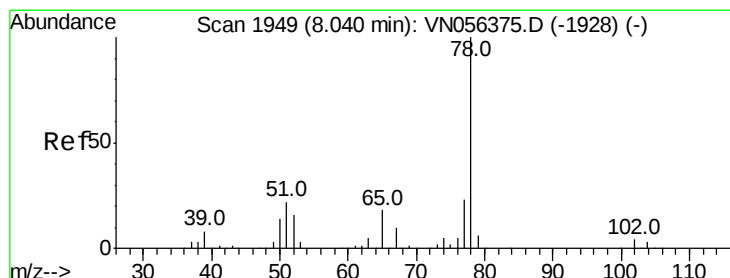
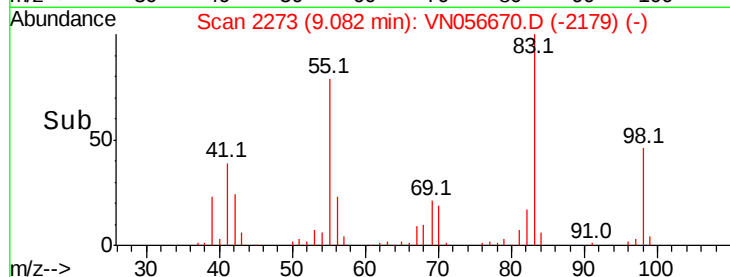
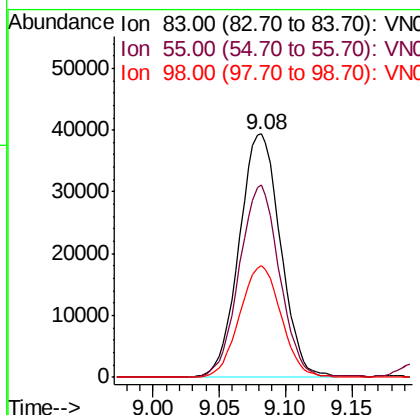
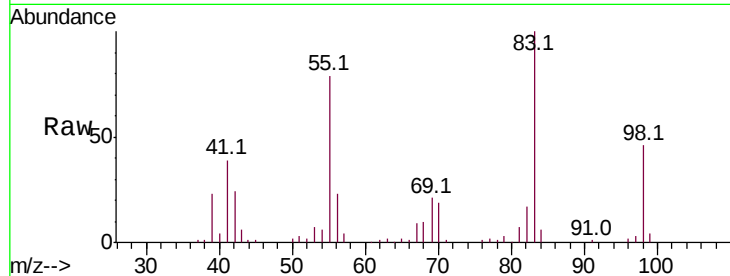
#39
Methvlcvclohexane
Concen: 17.395 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	60.0	90.0
98	46.2	36.6	54.8

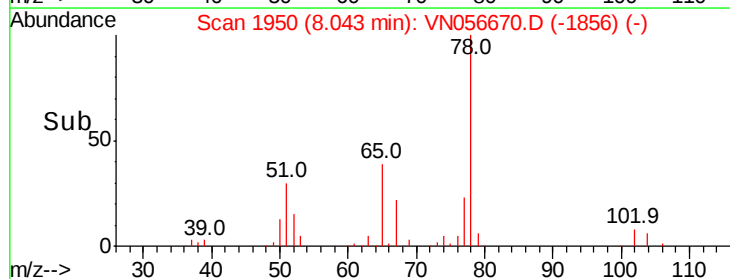
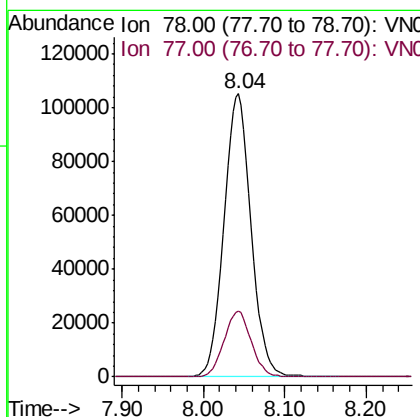
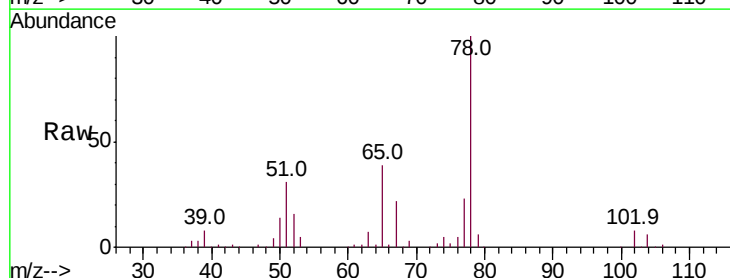
Manual Integrations
APPROVED

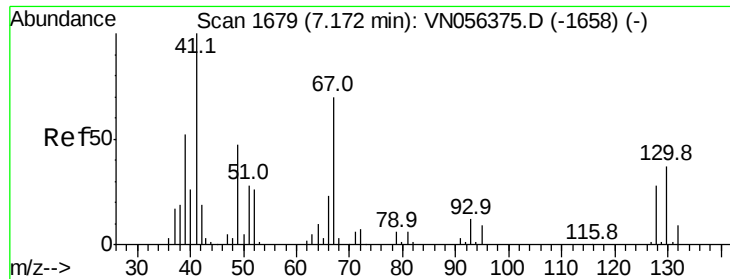
MMDadoda
7/12/2019 5:32:59 PM



#40
Benzene
Concen: 20.123 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5





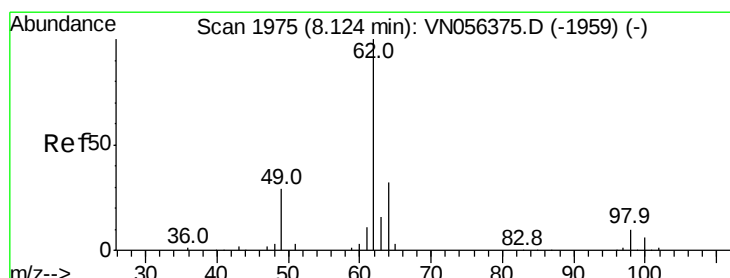
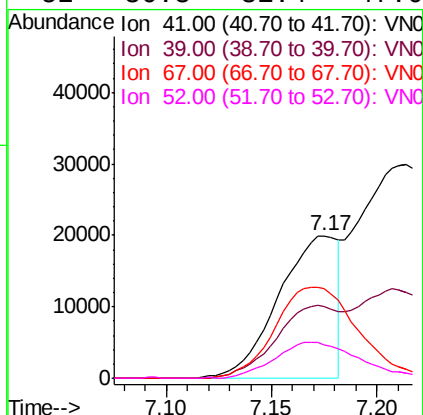
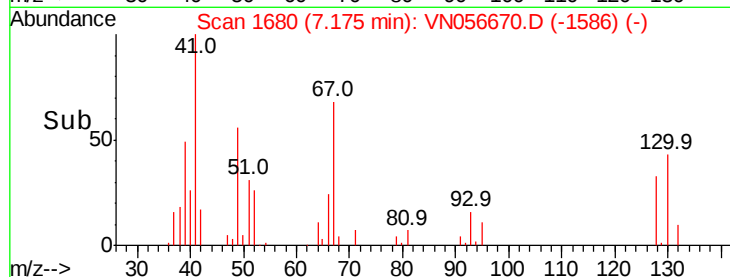
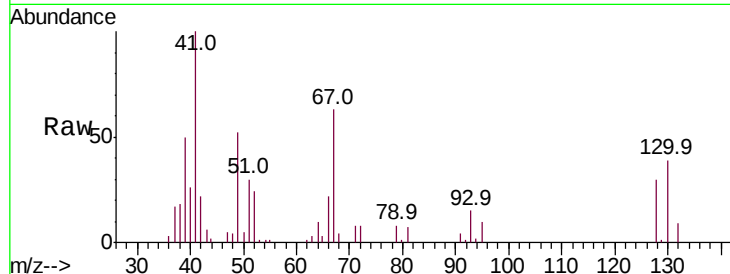
#41
Methacrylonitrile
Concen: 22.547 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	41	Resp	38857
Ion Ratio	Lower	Upper	
41	100		
39	56.8	55.3	82.9
67	91.2	79.2	118.8
52	36.3	31.4	47.0

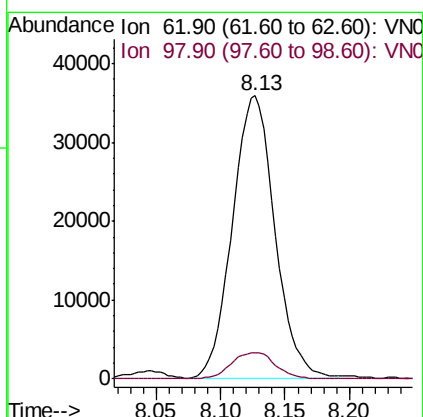
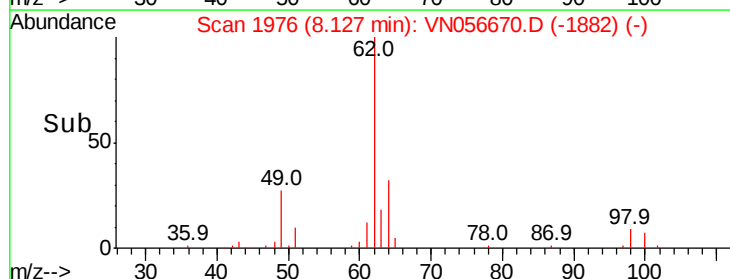
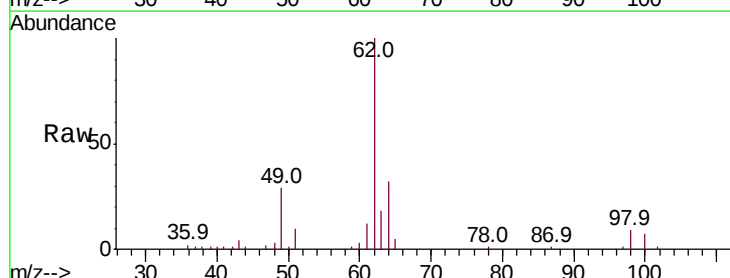
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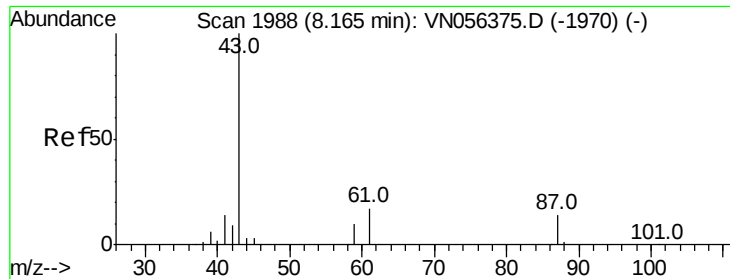
MMDadoda
7/12/2019 5:32:59 PM



#42
1,2-Dichloroethane
Concen: 20.471 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	62	Resp	82529
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	19.4





#43

Isopropyl Acetate

Concen: 22.686 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

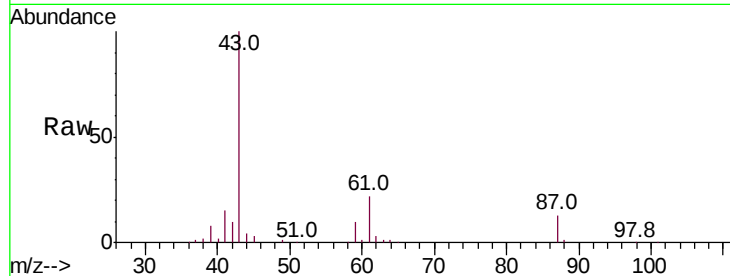
ClientSampleId :

VN0712WBSD01

Tot Ion:	43	Resp:	136525
Ion Ratio	Lower	Upper	
43	100		
61	28.6	22.0	33.0
87	13.3	11.0	16.4

Manual Integrations
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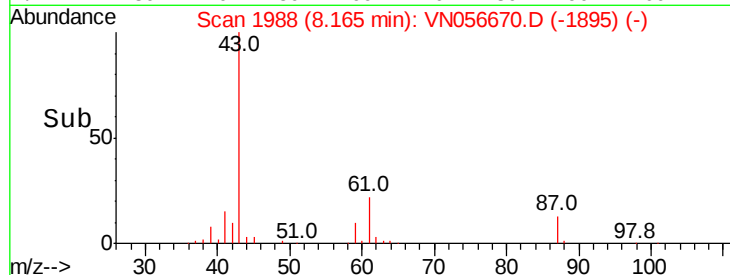


Abundance Ion 43.00 (42.70 to 43.70): VN056670.D (-1970) (-)

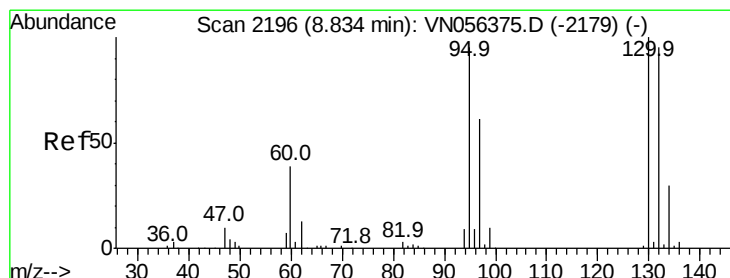
Ion 61.00 (60.70 to 61.70): VN056670.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056670.D (-1970) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 19.693 ug/l

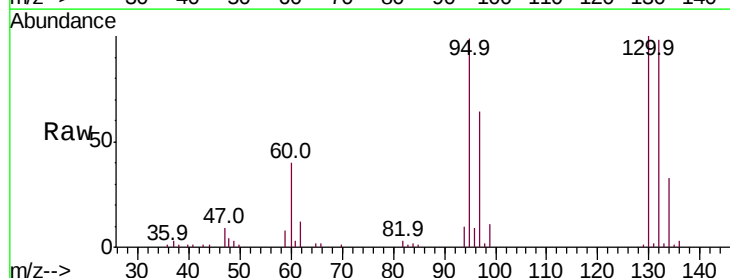
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

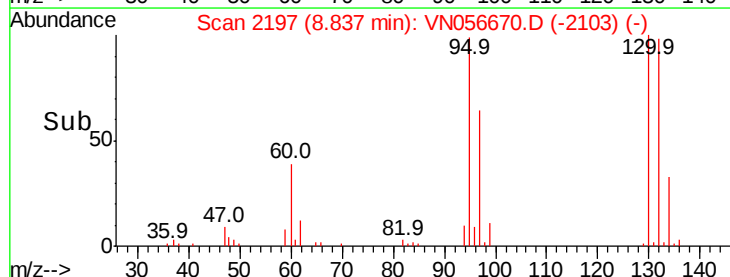
Tgt Ion:	130	Resp:	64801
Ion Ratio	Lower	Upper	
130	100		
95	98.9	0.0	191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056670.D (-2103) (-)

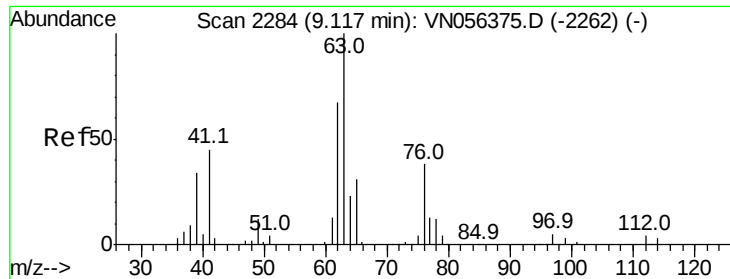
Ion 94.90 (94.60 to 95.60): VN056670.D (-2103) (-)

Time-->



Time-->

Time-->



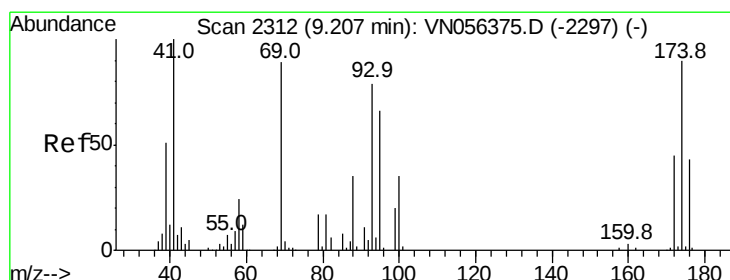
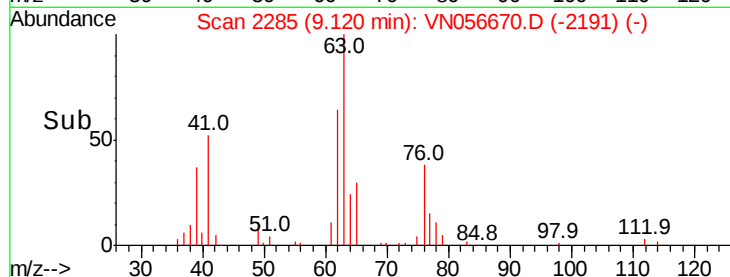
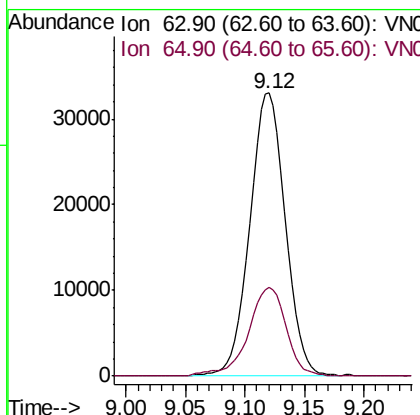
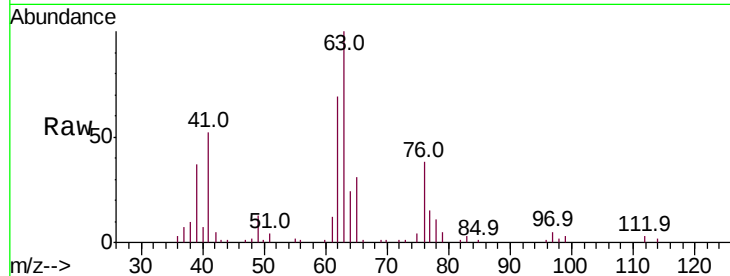
#45
 1,2-Dichloropropane
 Concen: 20.949 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Tot Ion: 63 Resp: 68438
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

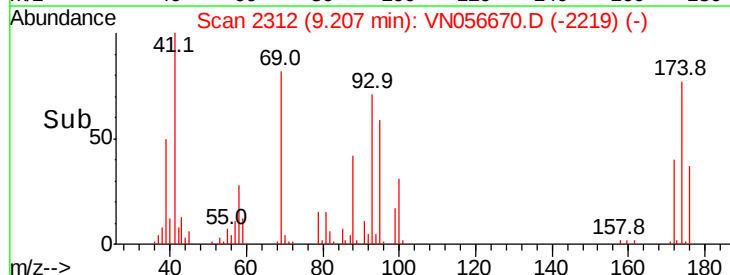
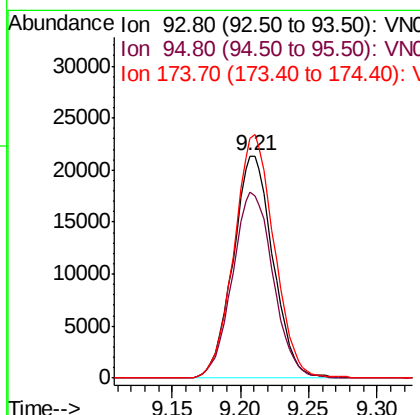
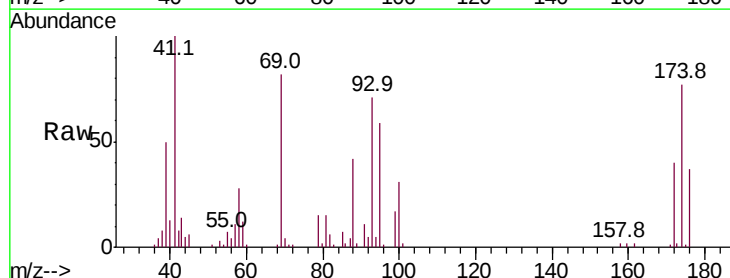
Manual Integrations
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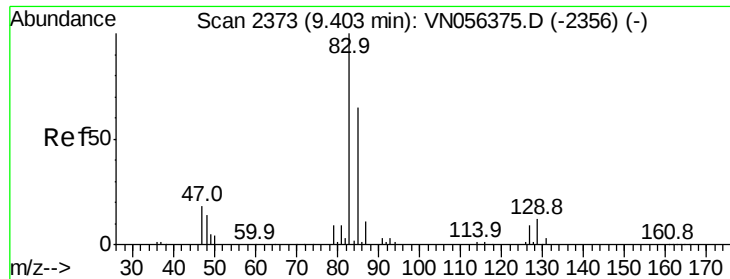
MMDadoda
 7/12/2019 5:32:59 PM



#46
 Dibromomethane
 Concen: 21.163 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion: 93 Resp: 43256
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.2 99.2
 174 110.3 90.8 136.2





#47

Bromodichloromethane

Concen: 22.164 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

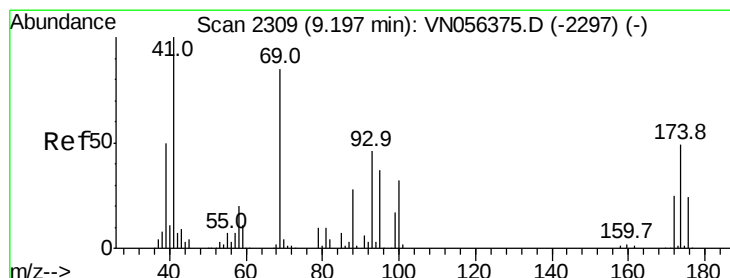
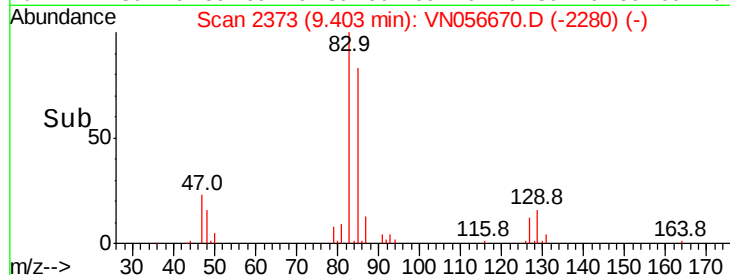
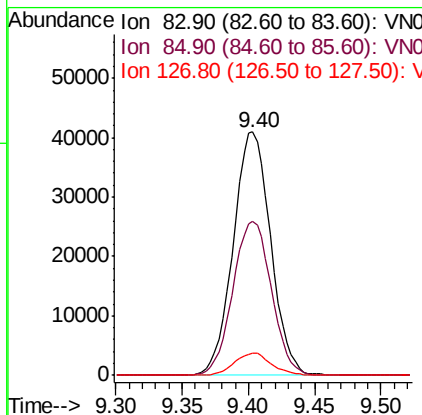
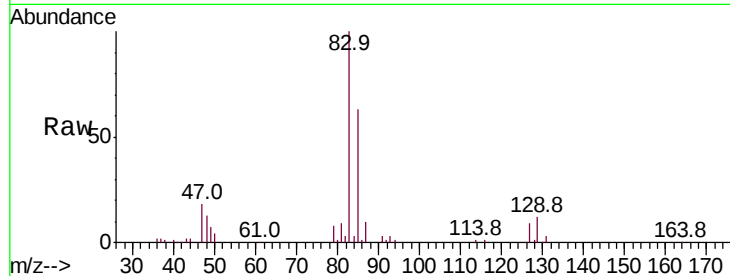
ClientSampleId :

VN0712WBSD01

Tot Ion:	83	Resp:	80343
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.2	78.4
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.367 ug/l

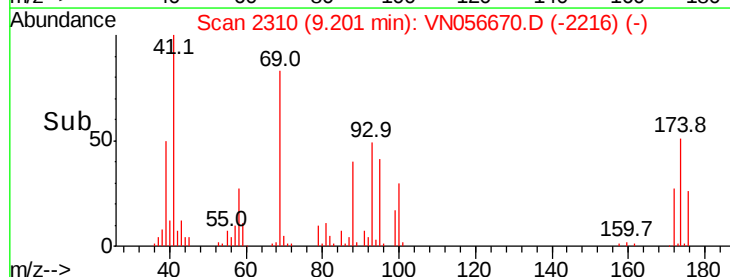
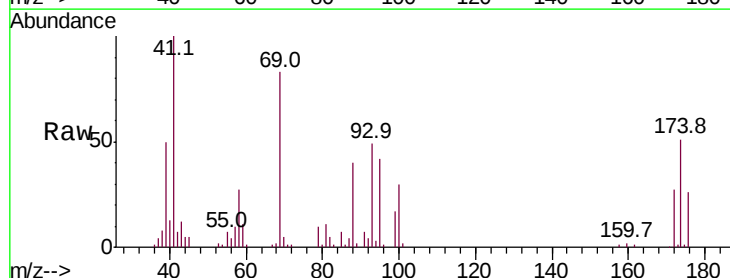
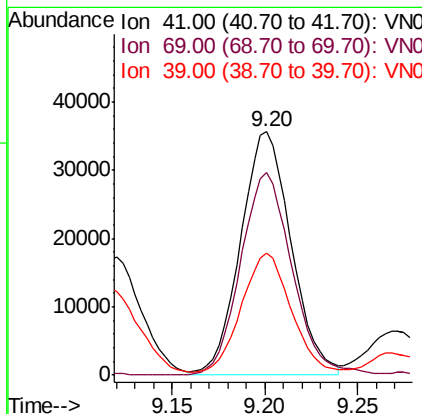
RT: 9.20 min Scan# 2310

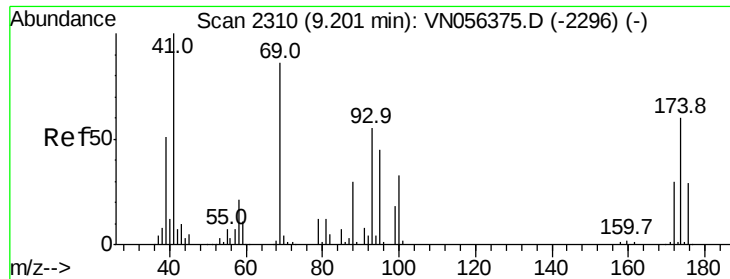
Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion:	41	Resp:	67453
Ion Ratio	Lower	Upper	
41	100		
69	85.2	72.6	109.0
39	50.1	42.6	63.8





#49

1,4-Dioxane

Concen: 480.422 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

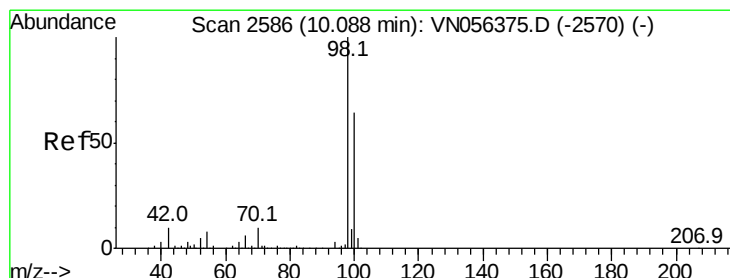
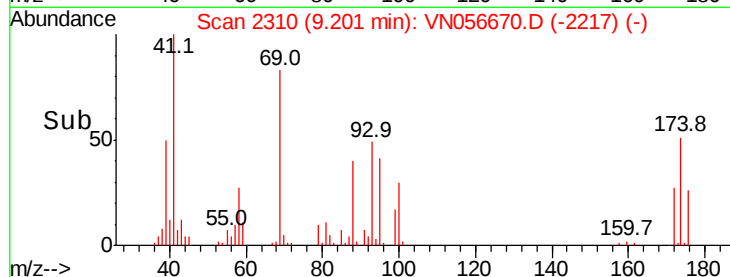
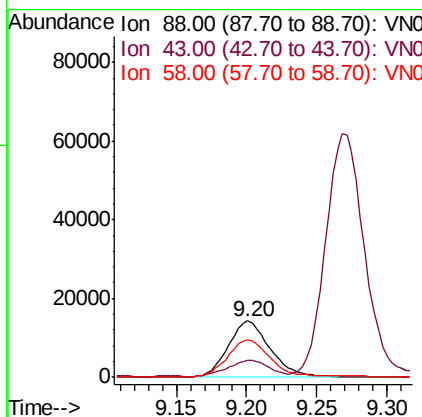
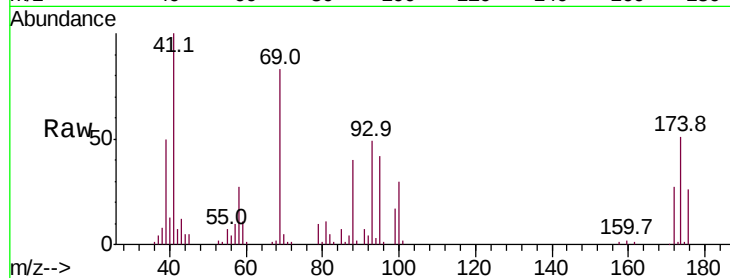
ClientSampleId :

VN0712WBSD01

Tot Ion	88	Resp	30066
Ion	Ratio	Lower	Upper
88	100		
43	28.2	22.0	33.0
58	67.7	51.8	77.8

Manual Integrations
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#50

Toluene-d8

Concen: 48.813 ug/l

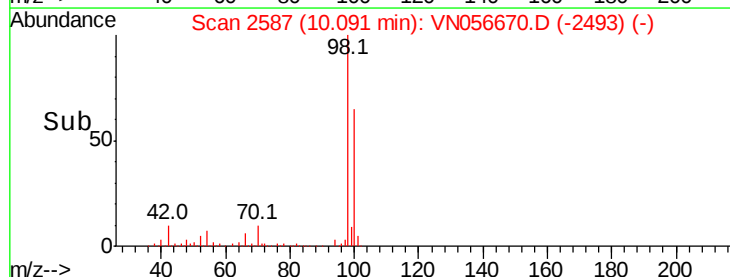
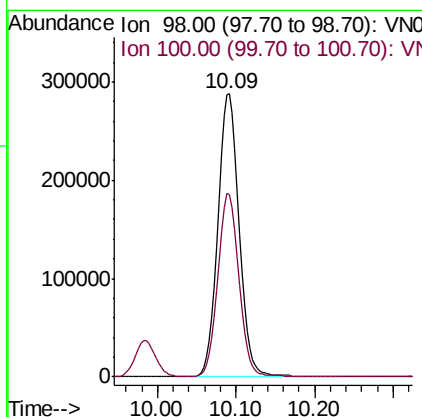
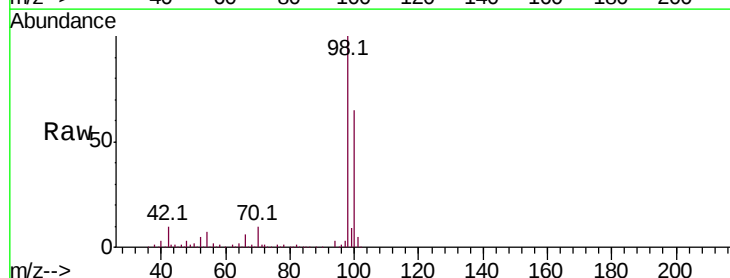
RT: 10.09 min Scan# 2587

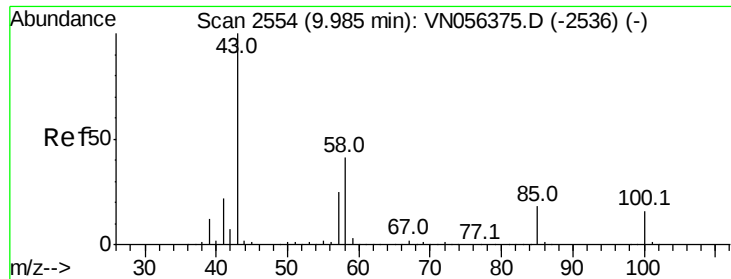
Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion	98	Resp	534604
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 117.758 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

VN0712WBSD01

Tot Ion: 43 Resp: 457393

Ion Ratio Lower Upper

43 100

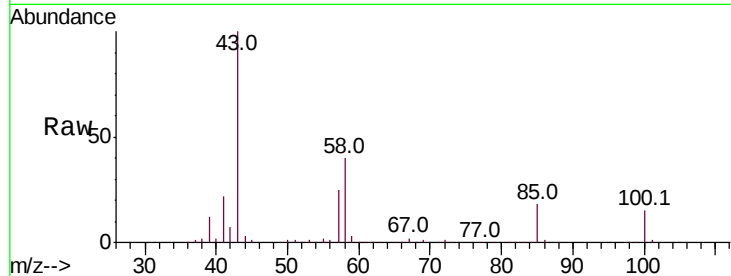
58 39.5 31.8 47.8

Manual Integrations

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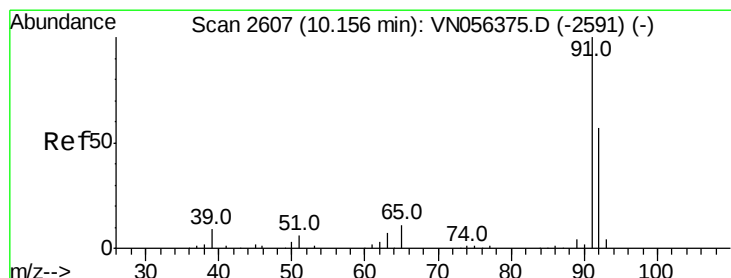
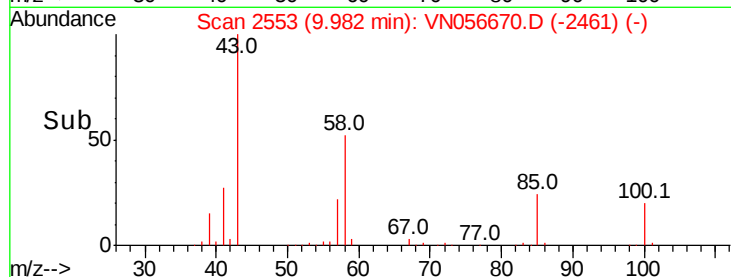
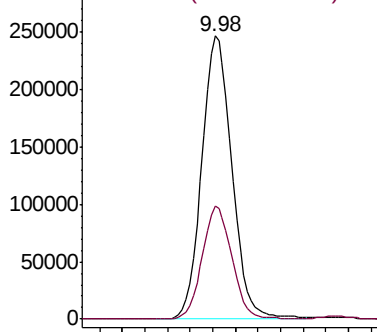
MMDadoda

7/12/2019 5:32:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.215 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056670.D

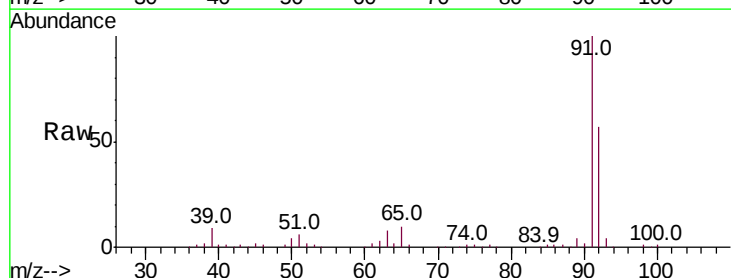
Acq: 11 Jul 2019 17:19

Tgt Ion: 92 Resp: 150971

Ion Ratio Lower Upper

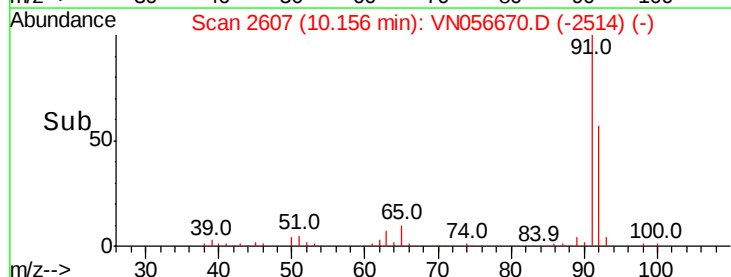
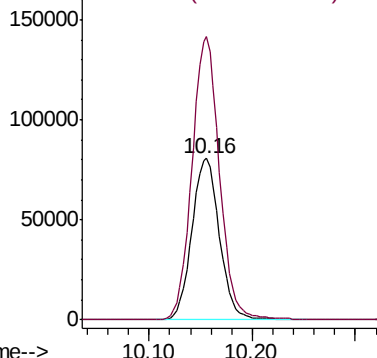
92 100

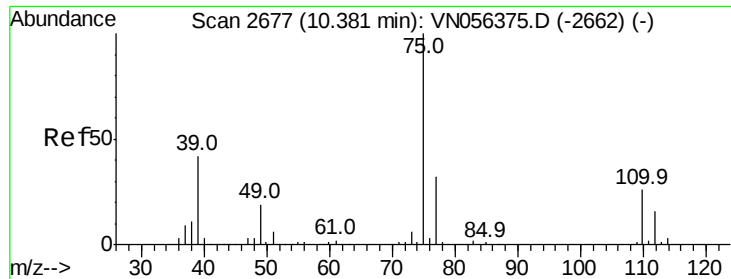
91 174.2 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





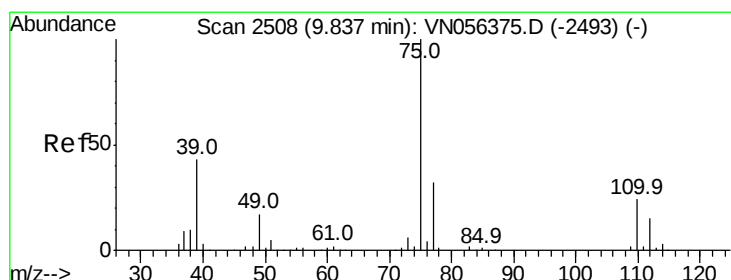
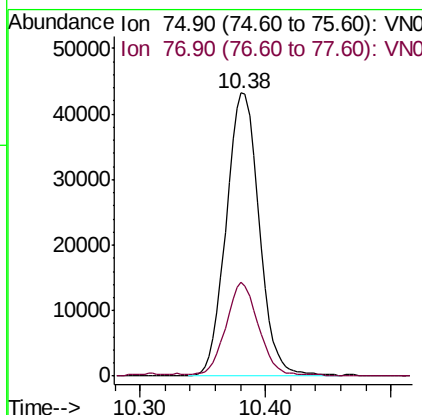
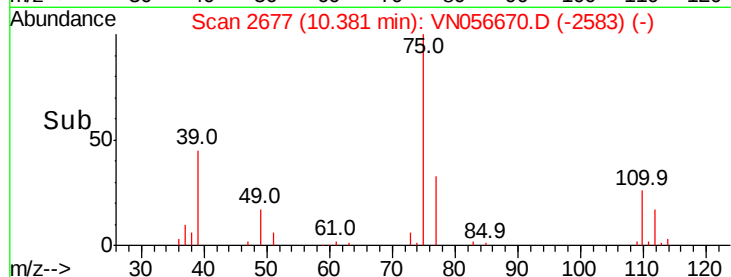
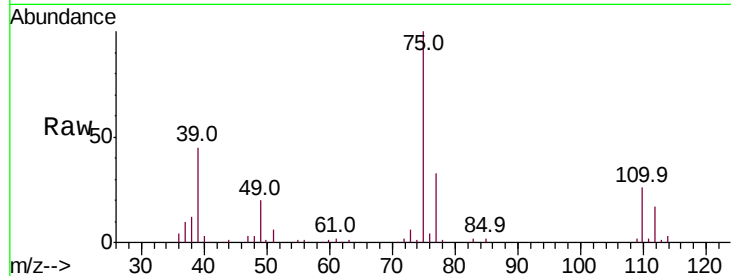
#53
t-1,3-Dichloropropene
Concen: 20.563 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampled :
VN0712WBSD01

Tot Ion: 75 Resp: 79192
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2

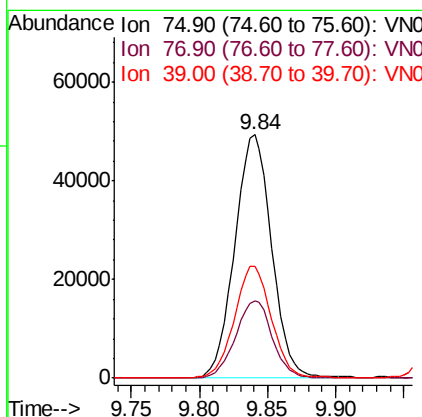
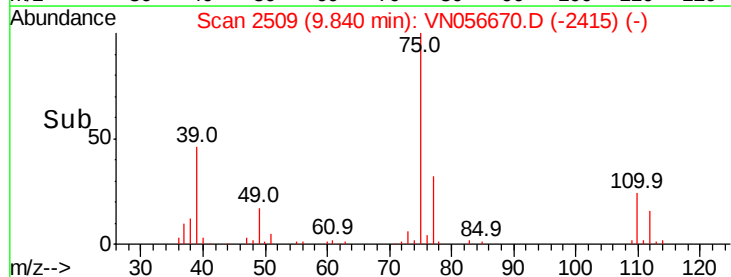
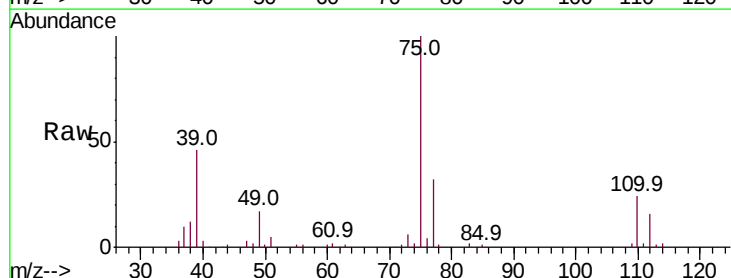
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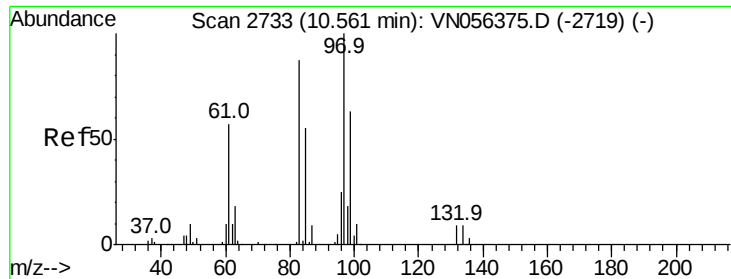
MMDadoda
7/12/2019 5:32:59 PM



#54
cis-1,3-Dichloropropene
Concen: 21.240 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 75 Resp: 92719
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
39 46.1 34.2 51.4





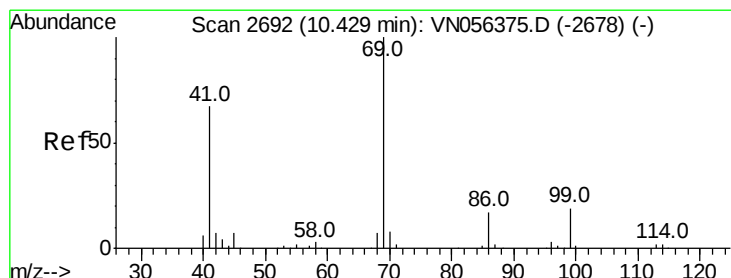
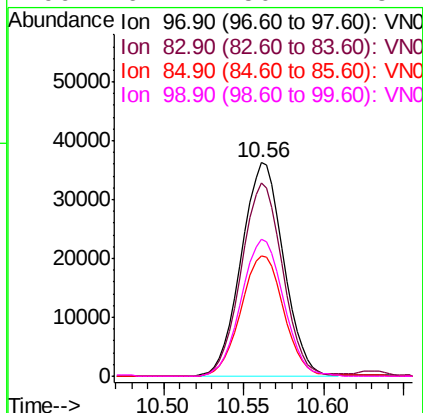
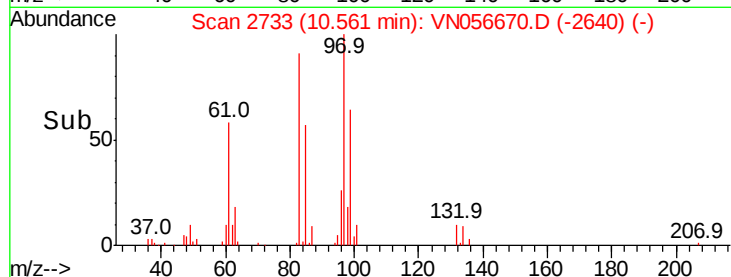
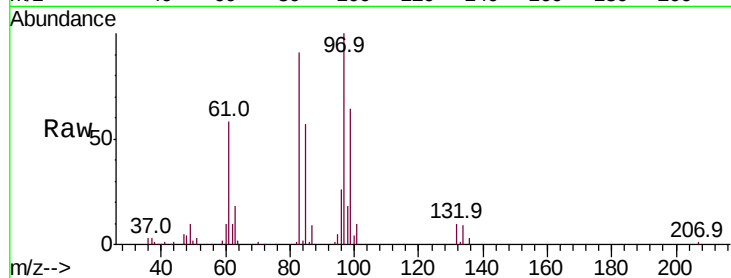
#55
 1,1,2-Trichloroethane
 Concen: 21.872 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.8	104.6
85	56.6	43.8	65.8
99	64.4	50.2	75.2

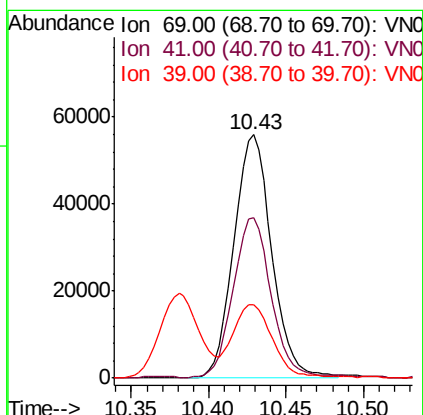
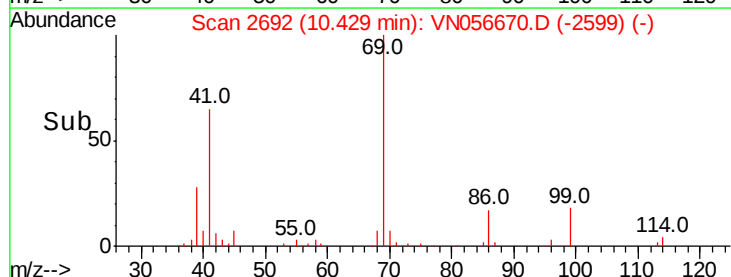
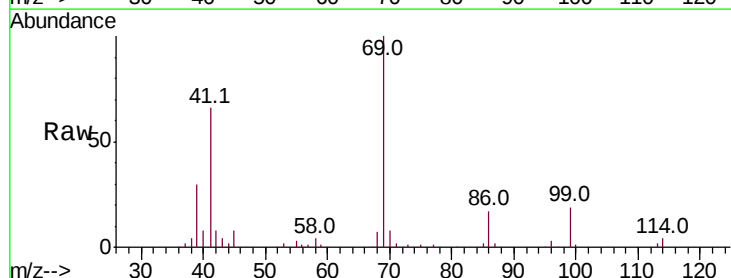
Manual Integrations
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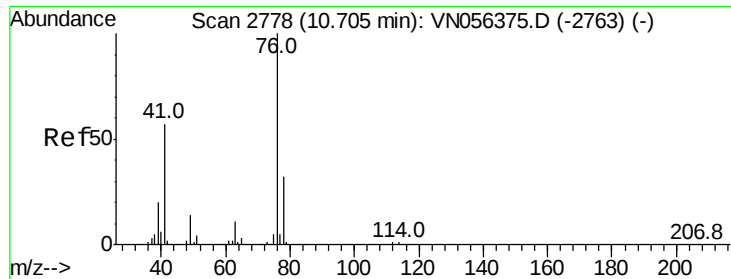
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 21.694 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.4	77.2
39	30.9	24.7	37.1





#57

1,3-Dichloropropane

Concen: 21.397 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 76 Resp: 107907

Ion Ratio Lower Upper

76 100

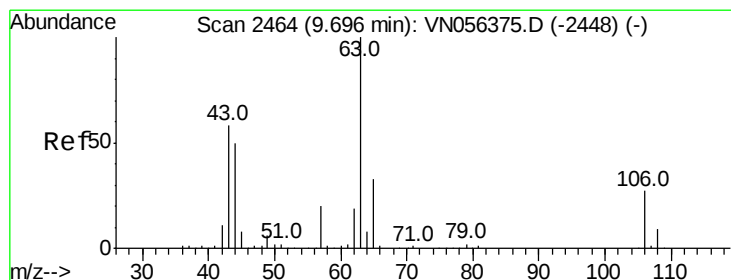
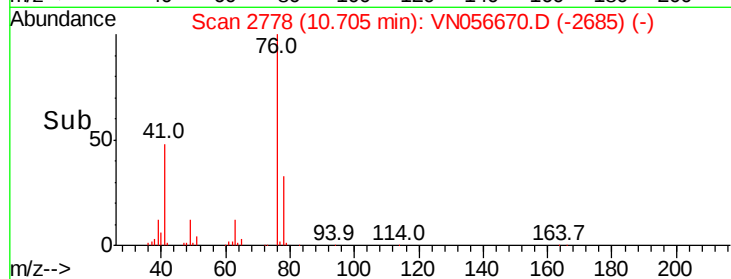
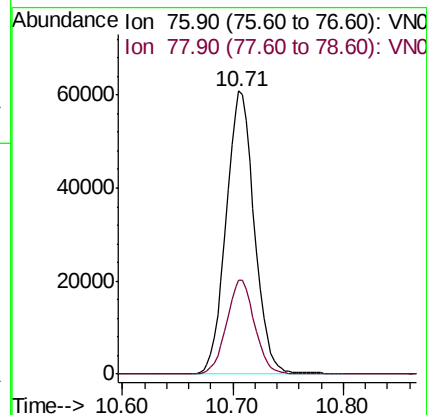
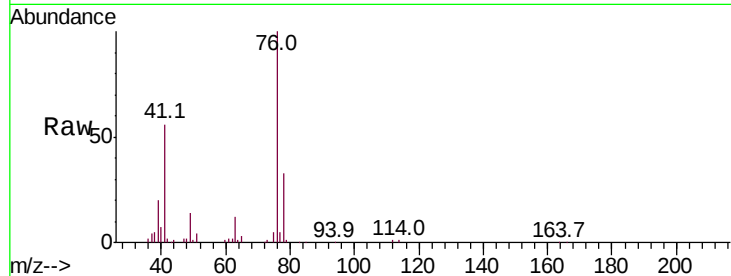
78 32.9 25.9 38.9

Manual Integrations

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7/12/2019 5:32:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 140.169 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN056670.D

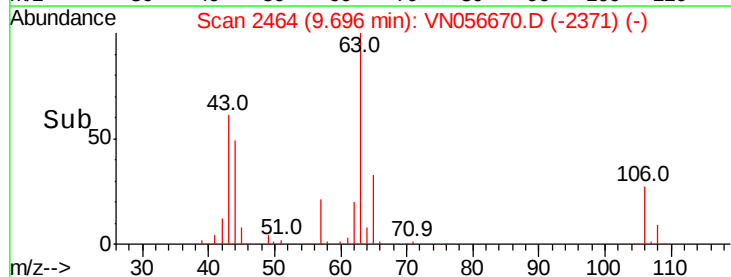
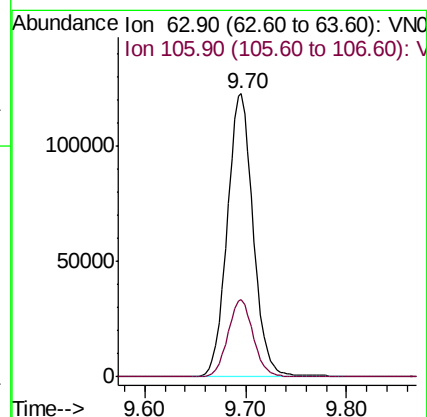
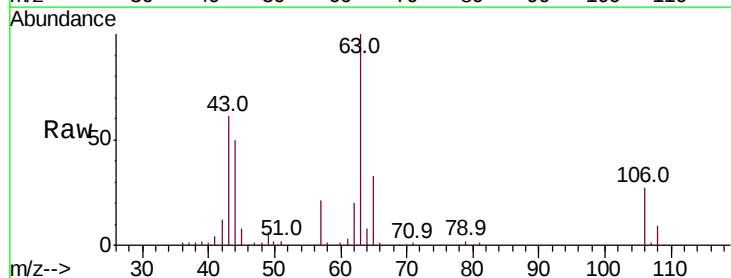
Acq: 11 Jul 2019 17:19

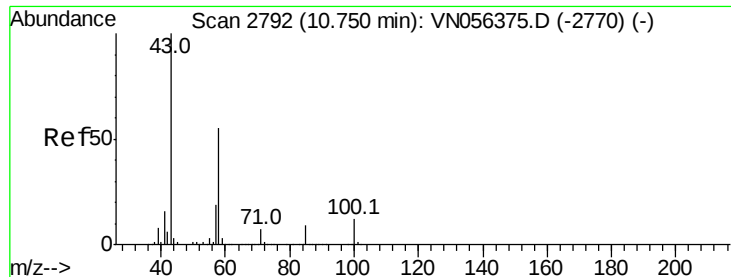
Tgt Ion: 63 Resp: 220919

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4





#59

2-Hexanone

Concen: 114.891 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 43 Resp: 327986

Ion Ratio Lower Upper

43 100

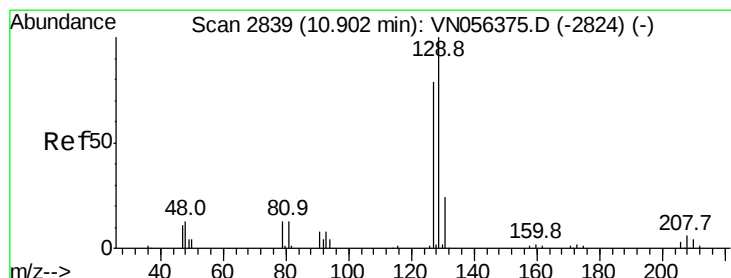
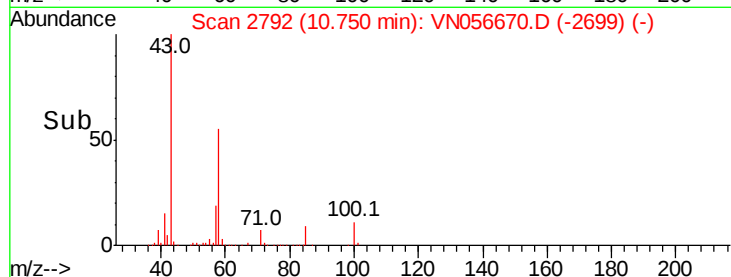
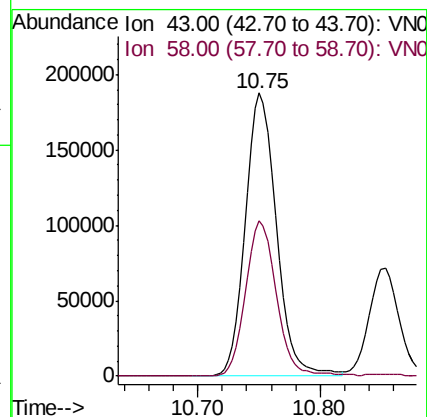
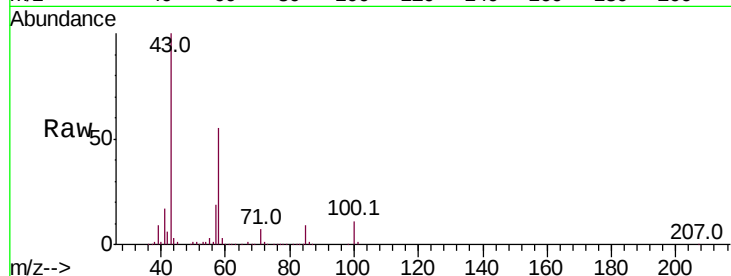
58 54.7 27.8 83.4

Manual Integrations

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#60

Dibromochloromethane

Concen: 21.637 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056670.D

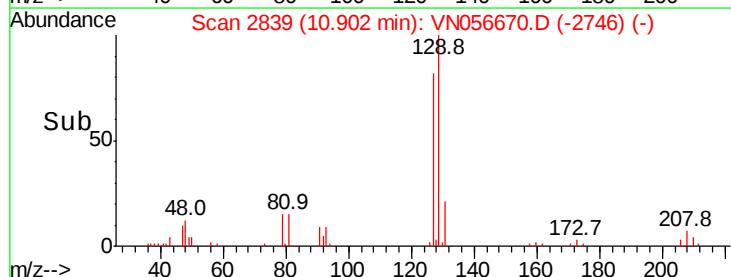
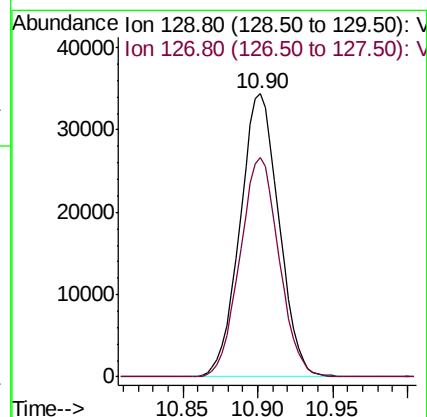
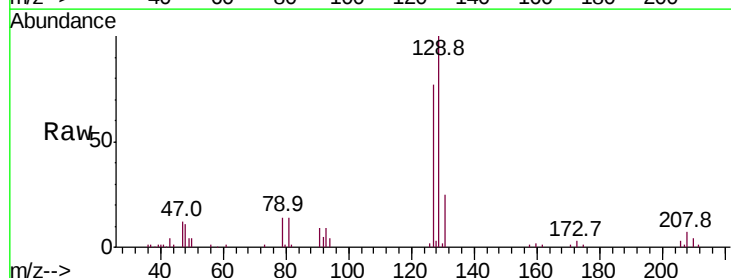
Acq: 11 Jul 2019 17:19

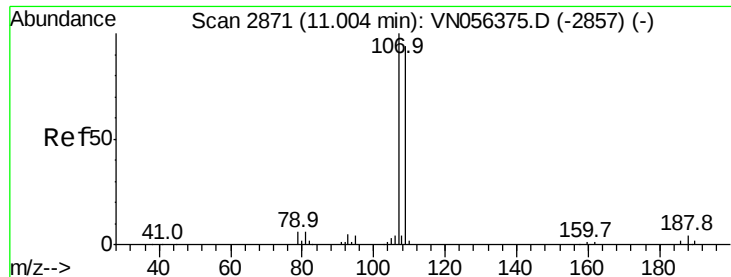
Tgt Ion: 129 Resp: 62386

Ion Ratio Lower Upper

129 100

127 77.6 38.9 116.7





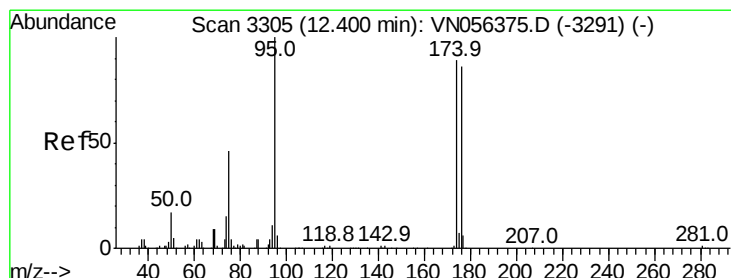
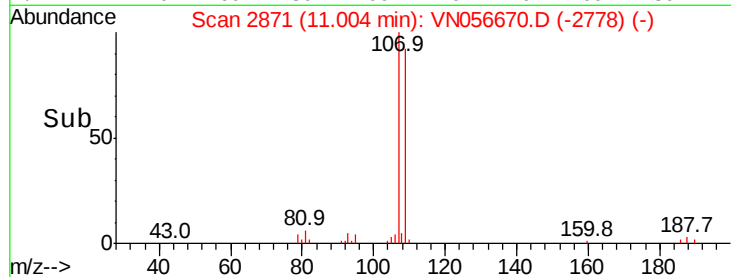
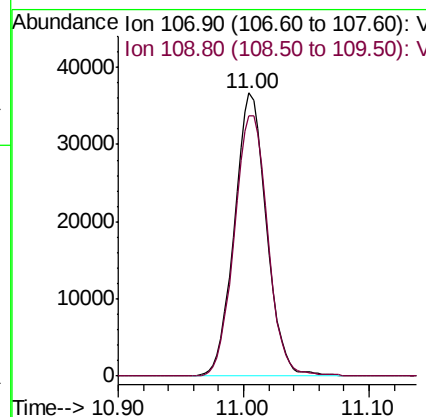
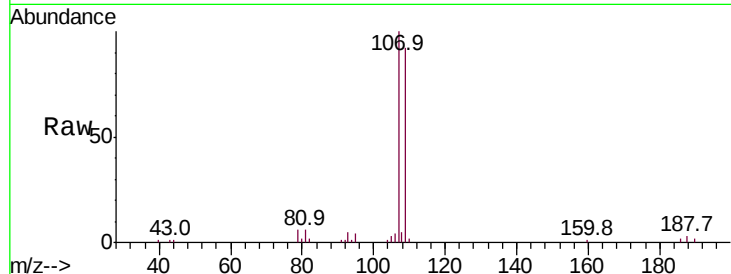
#61
 1,2-Dibromoethane
 Concen: 21.246 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.3	112.9

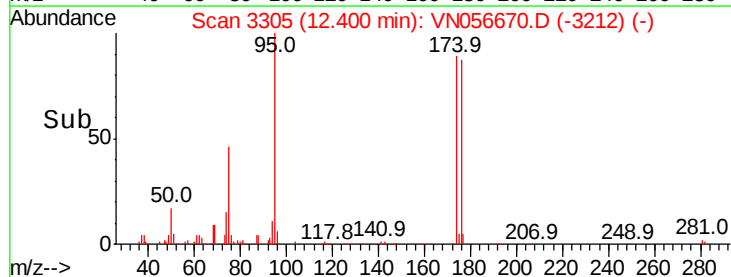
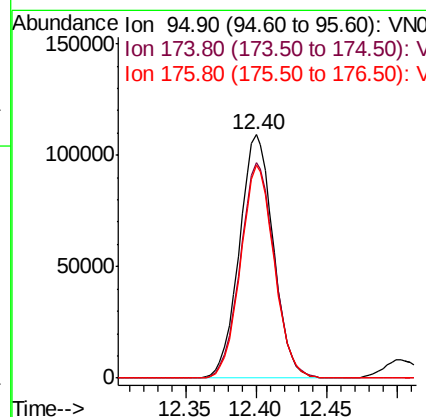
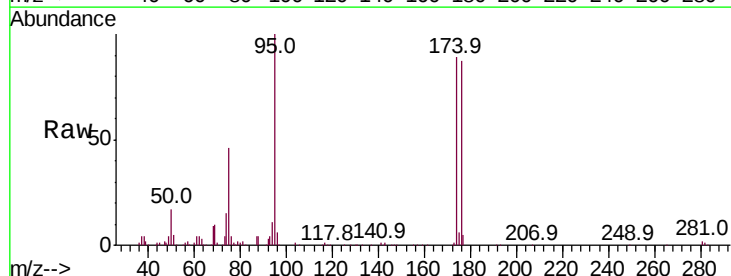
Manual Integrations
 APPROVED

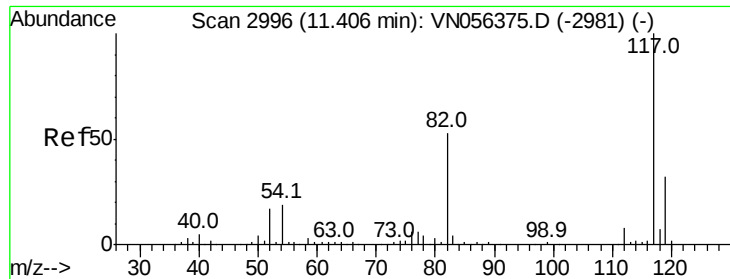
MMDadoda
 7/12/2019 5:32:59 PM



#62
 4-Bromofluorobenzene
 Concen: 50.454 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	179.4
176	86.3	0.0	173.4





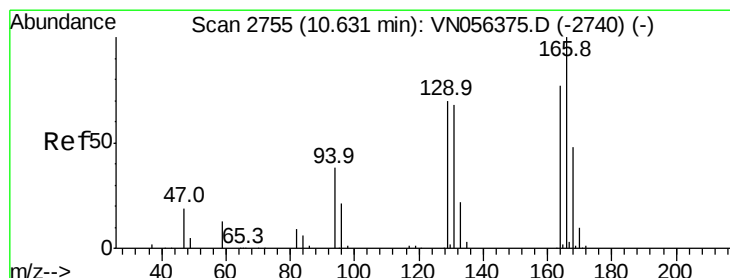
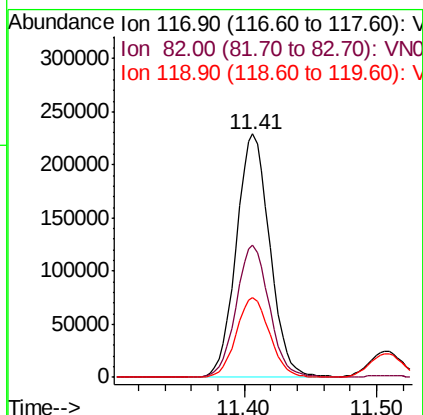
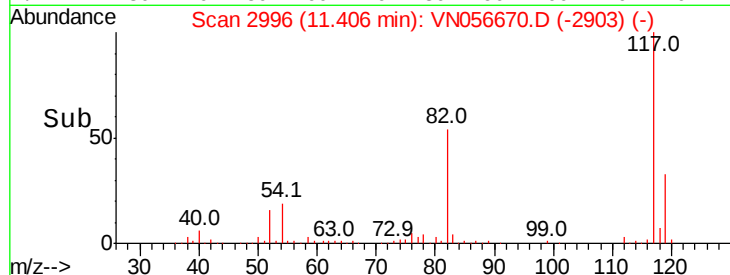
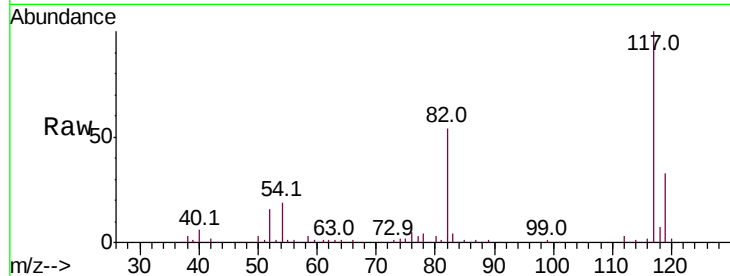
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.0	63.0
119	32.7	25.3	37.9

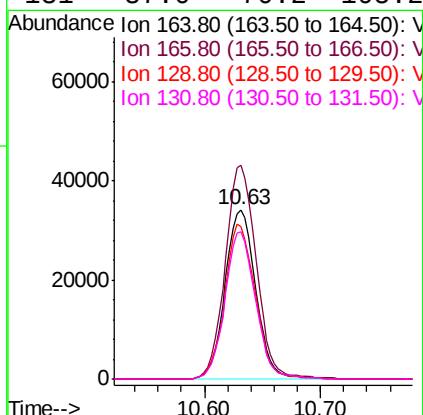
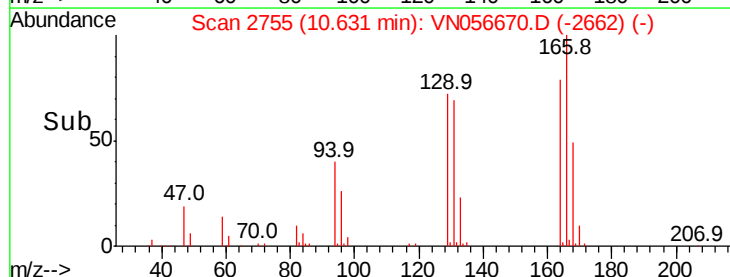
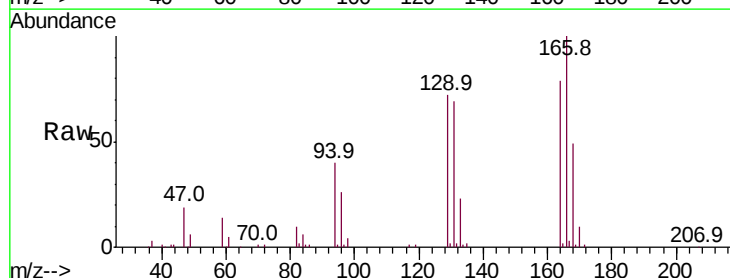
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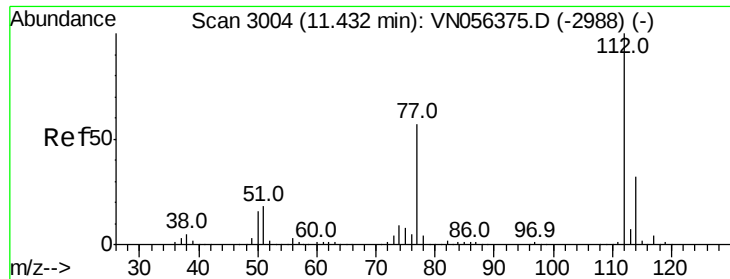
MMDadoda
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#64
Tetrachloroethene
Concen: 19.698 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	103.4	155.0
129	90.1	72.0	108.0
131	87.0	70.2	105.2





#65

Chlorobenzene

Concen: 20.265 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

VN0712WBSD01

Tot Ion:112 Resp: 163848

Ion Ratio Lower Upper

112 100

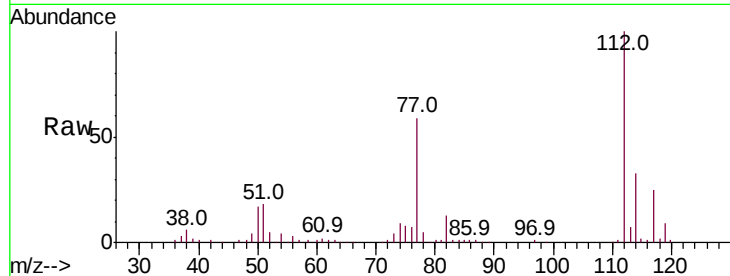
114 32.9 25.4 38.2

Manual Integrations

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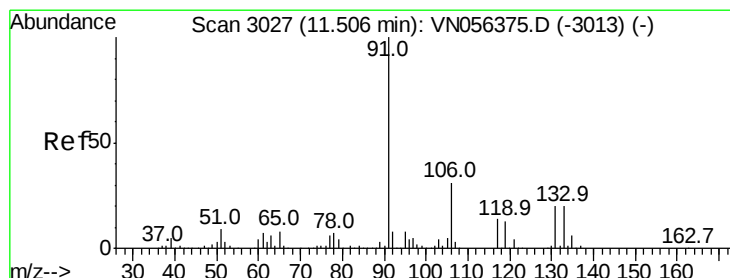
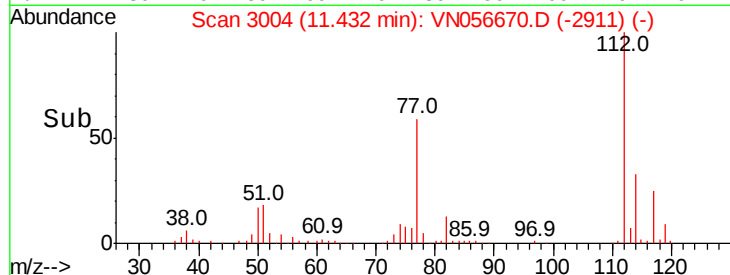
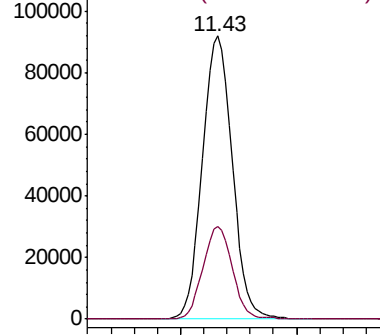
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.347 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

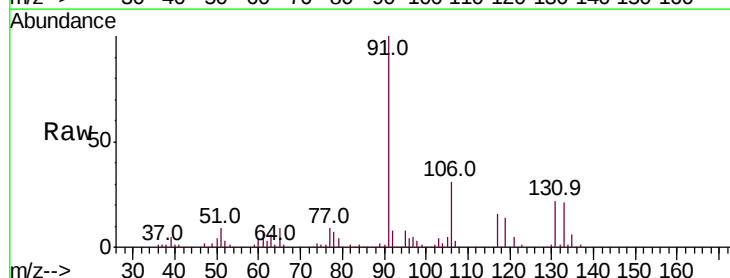
Tgt Ion:131 Resp: 61067

Ion Ratio Lower Upper

131 100

133 96.8 47.4 142.2

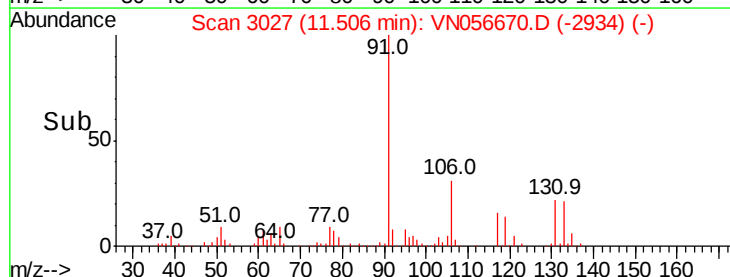
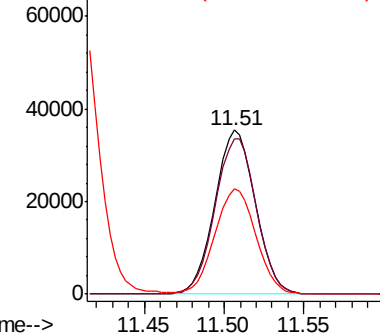
119 65.5 32.8 98.4

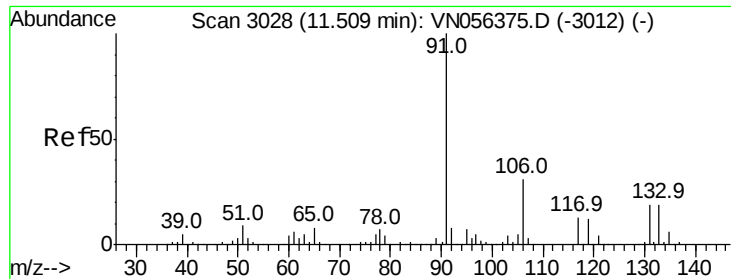


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





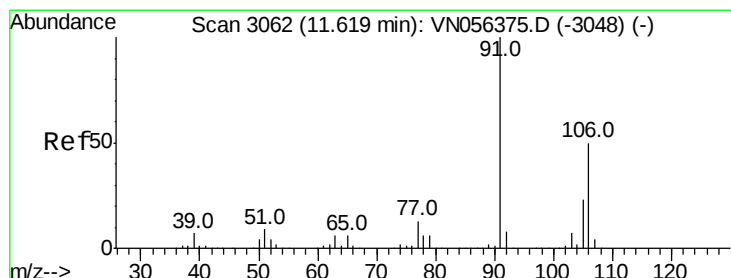
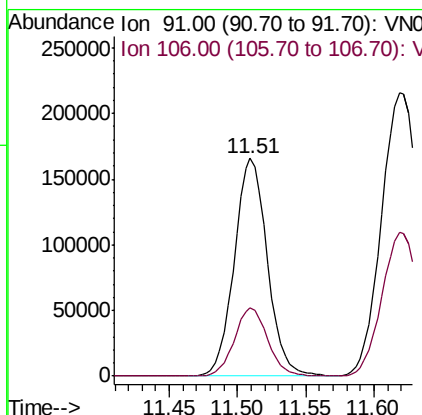
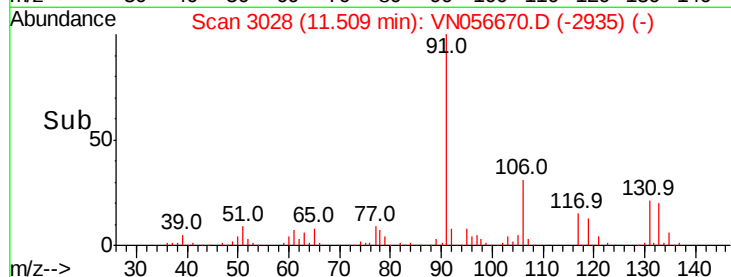
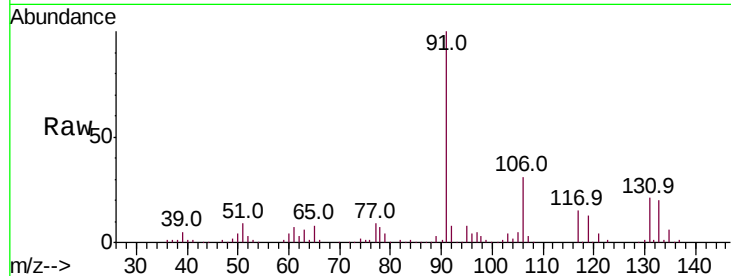
#67
Ethyl Benzene
Concen: 19.628 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion: 91 Resp: 278649
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

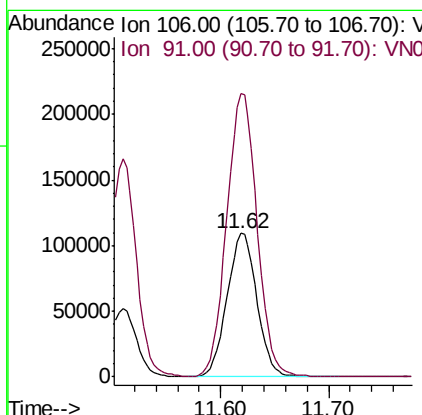
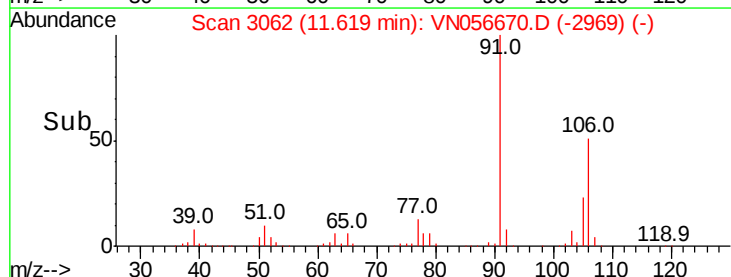
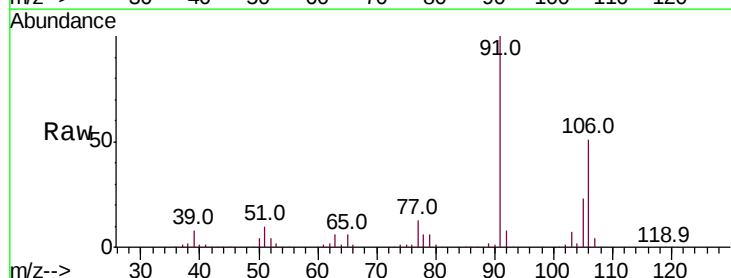
Manual Integrations
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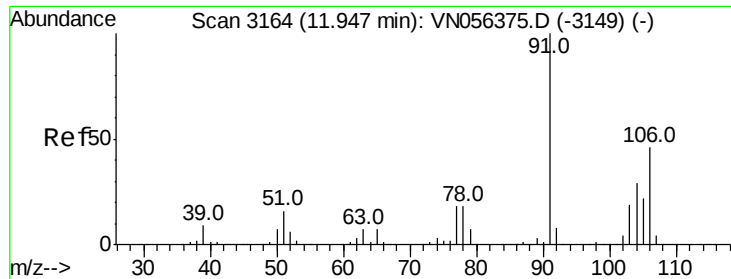
MMDadoda
7/12/2019 5:32:59 PM



#68
m/p-Xylenes
Concen: 40.471 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion: 106 Resp: 210561
Ion Ratio Lower Upper
106 100
91 201.3 160.1 240.1





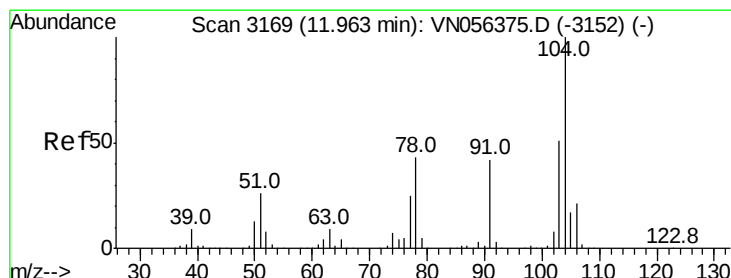
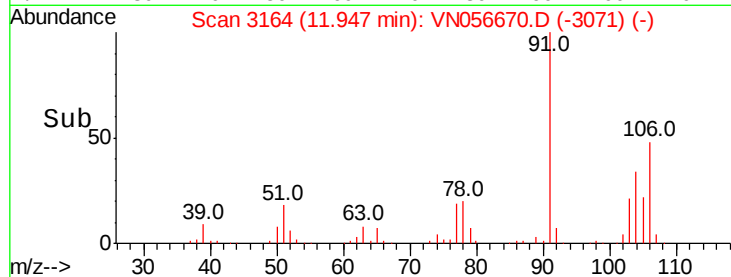
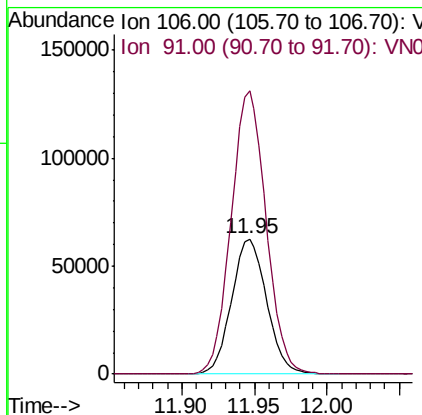
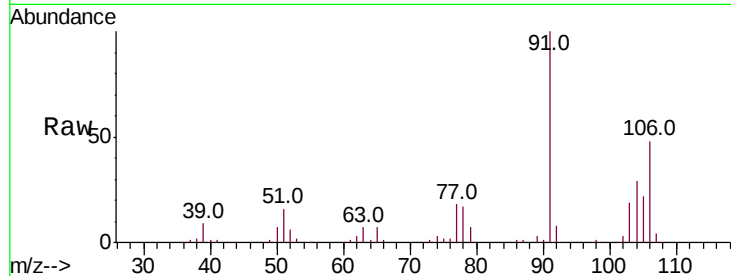
#69
o-Xylene
Concen: 20.446 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion:106 Resp: 105242
Ion Ratio Lower Upper
106 100
91 209.1 107.1 321.3

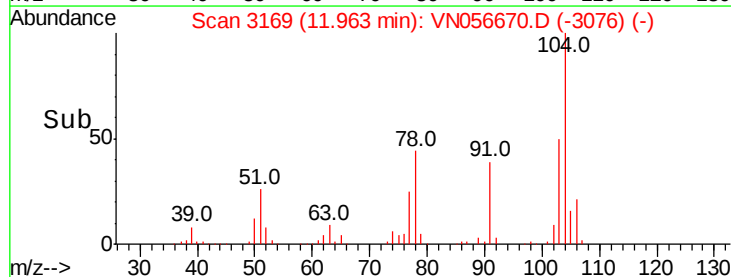
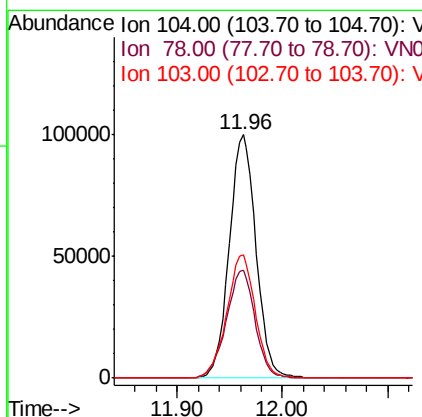
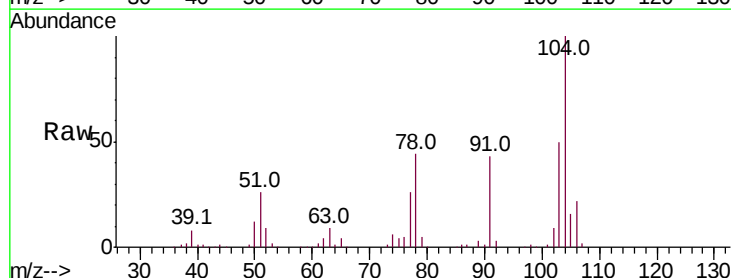
Manual Integrations
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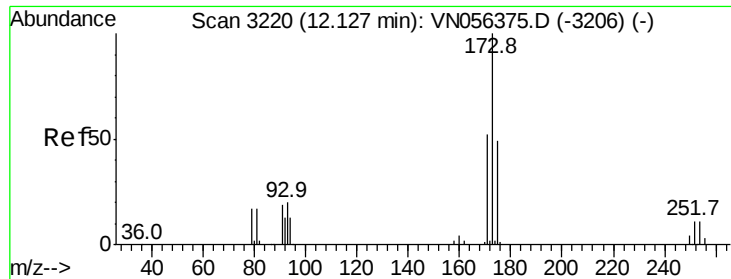
MMDadoda
7/12/2019 5:32:59 PM



#70
Styrene
Concen: 21.258 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion:104 Resp: 174903
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 54.2 43.9 65.9





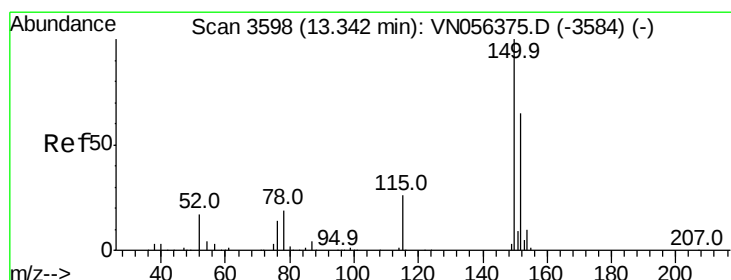
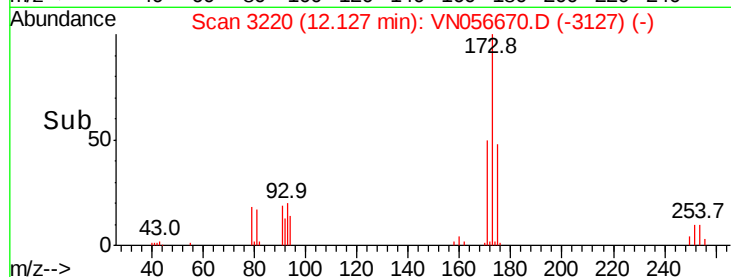
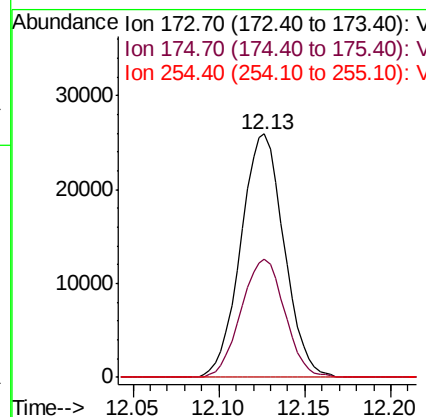
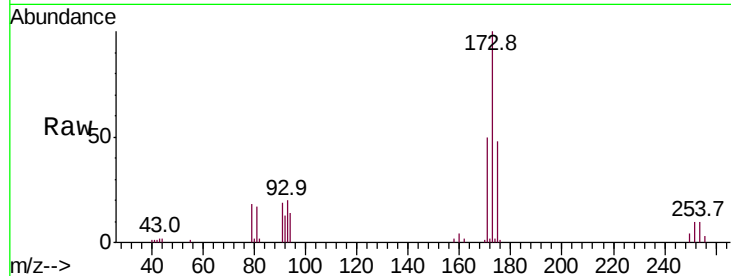
#71
Bromoform
Concen: 22.444 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.0	0.0

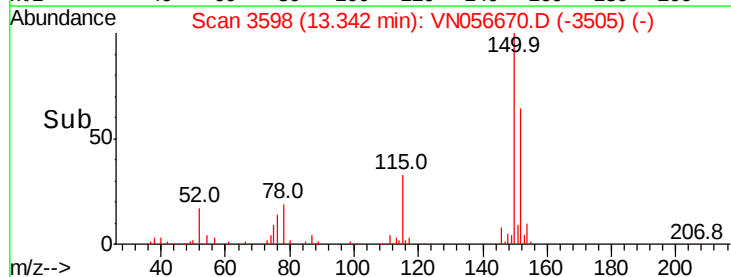
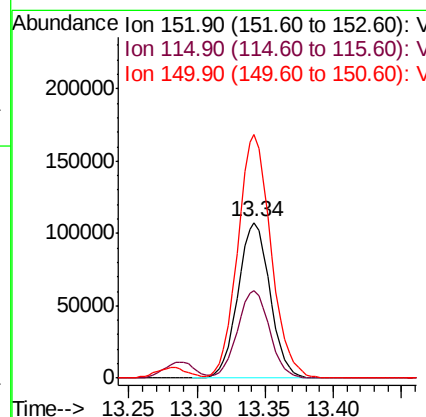
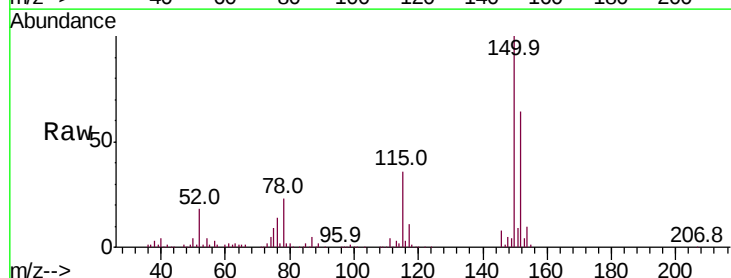
Manual Integrations
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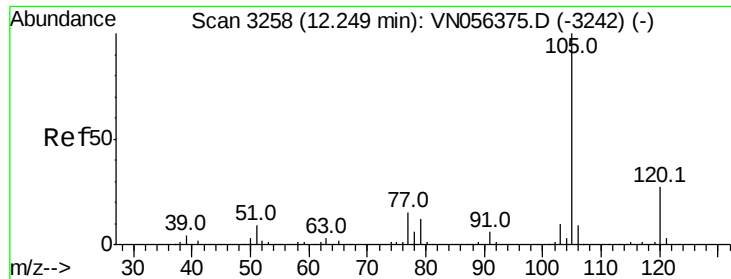
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7/12/2019 5:32:59 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.1	84.4
150	162.8	0.0	348.4





#73

Isopropylbenzene

Concen: 19.650 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampled :

VN0712WBSD01

Tot Ion:105 Resp: 279126

Ion Ratio Lower Upper

105 100

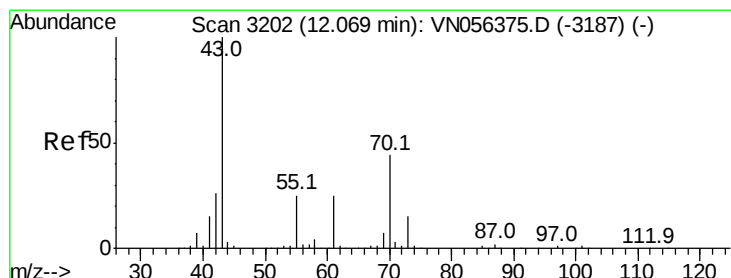
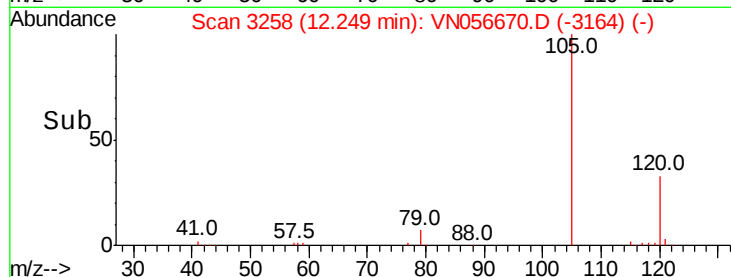
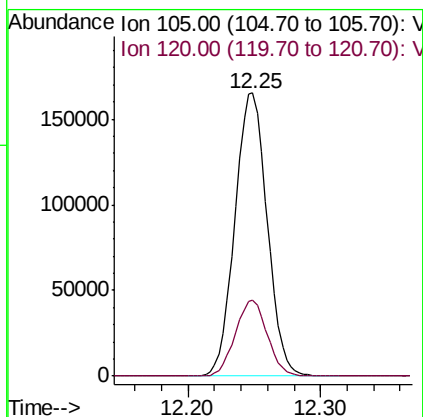
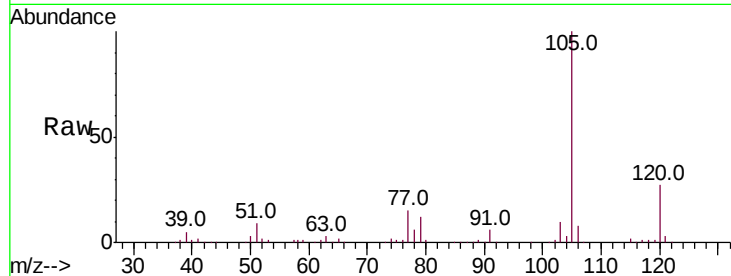
120 26.5 13.4 40.2

Manual Integrations

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MMDadoda

7/12/2019 5:32:59 PM



#74

N-ethyl acetate

Concen: 19.387 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion: 43 Resp: 107748

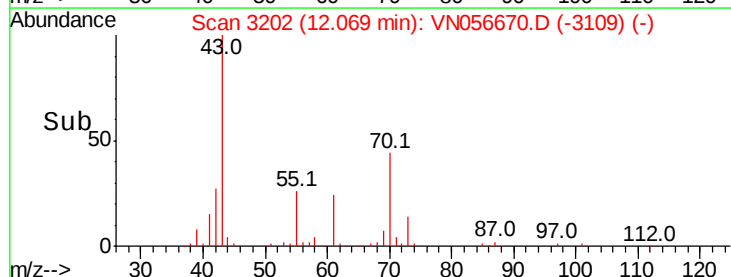
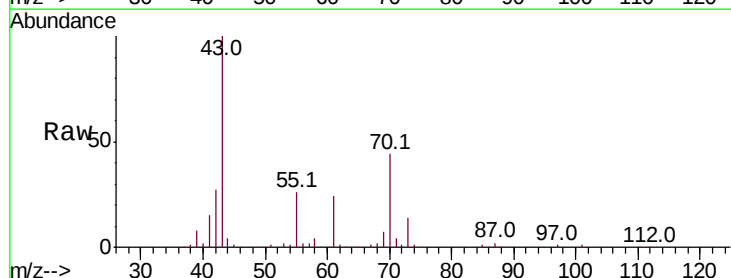
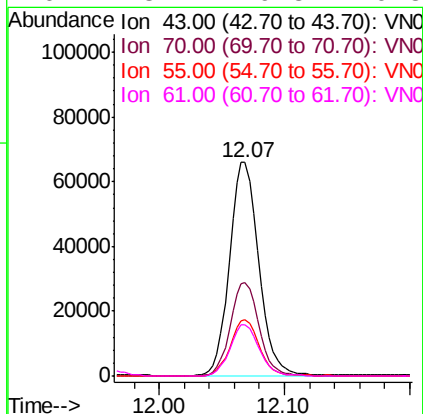
Ion Ratio Lower Upper

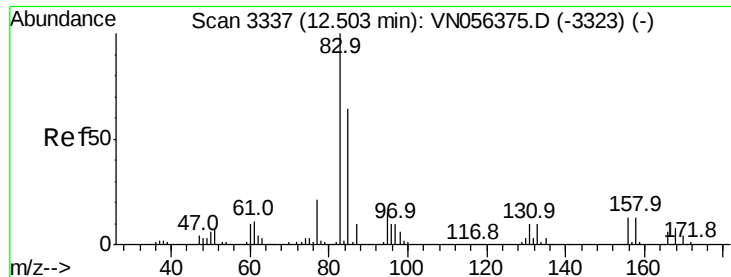
43 100

70 42.6 34.9 52.3

55 26.0 20.4 30.6

61 23.7 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.539 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

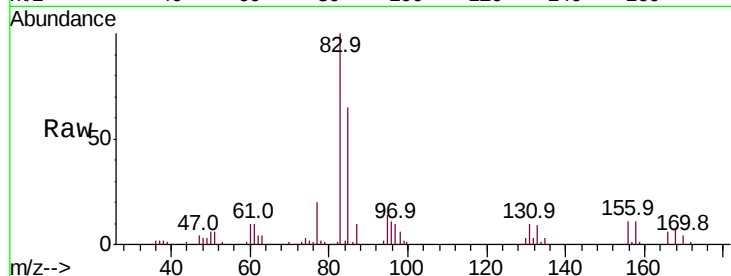
ClientSampleId :

VN0712WBSD01

Tot Ion:	83	Resp:	98376
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.3	15.8
85	63.4	32.4	97.0

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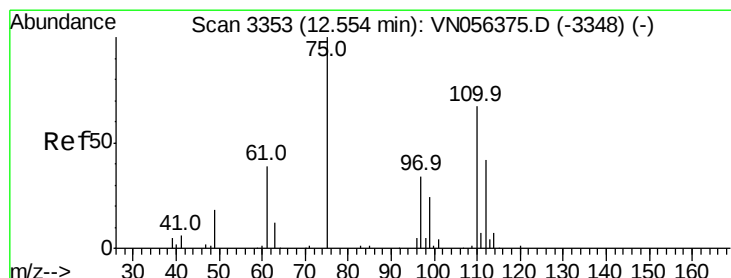
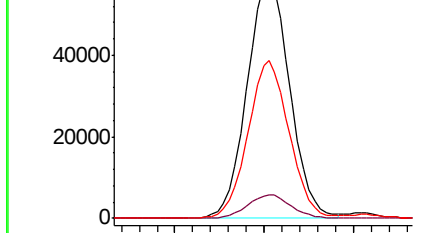
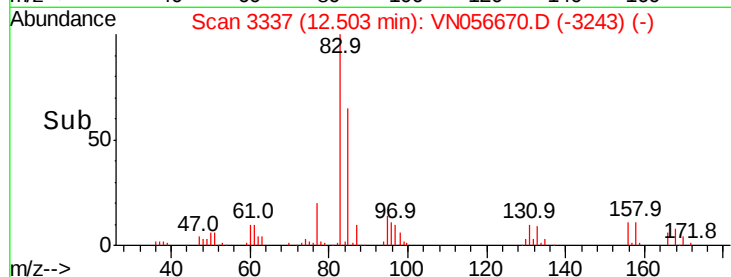


Abundance Ion 82.90 (82.60 to 83.60): VN056670.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN056670.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN056670.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.686 ug/l m

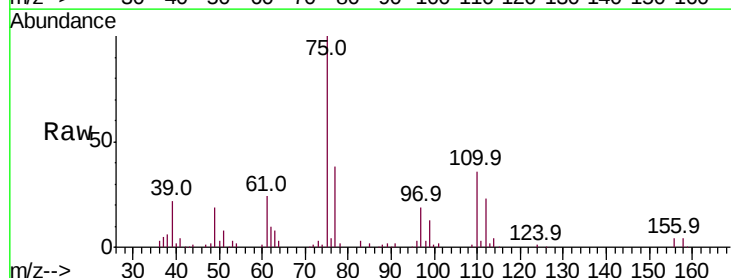
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

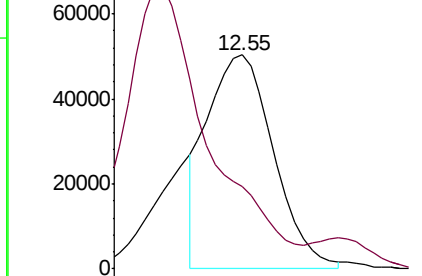
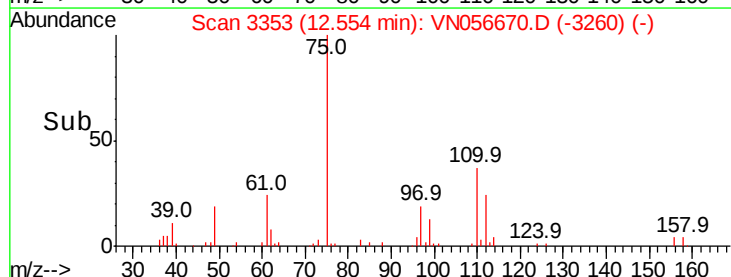
Tgt Ion:	75	Resp:	85764
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

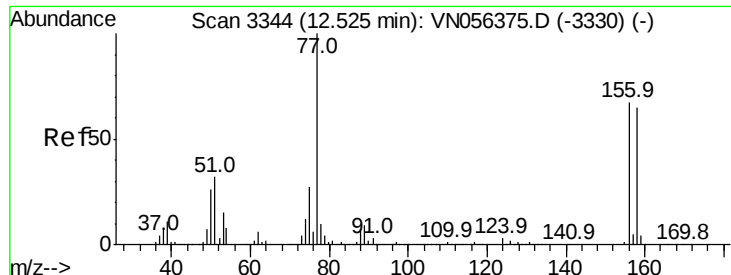


Abundance Ion 74.90 (74.60 to 75.60): VN056670.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN056670.D (-3353) (-)

Time-->





#77

Bromobenzene

Concen: 18.871 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

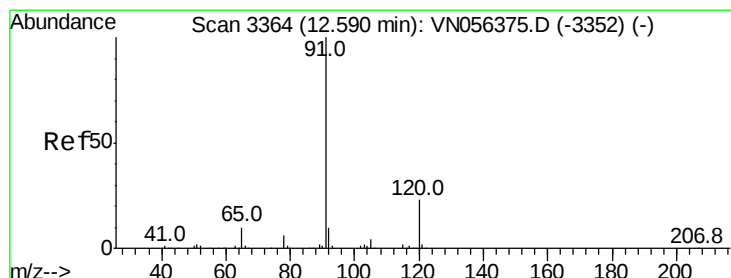
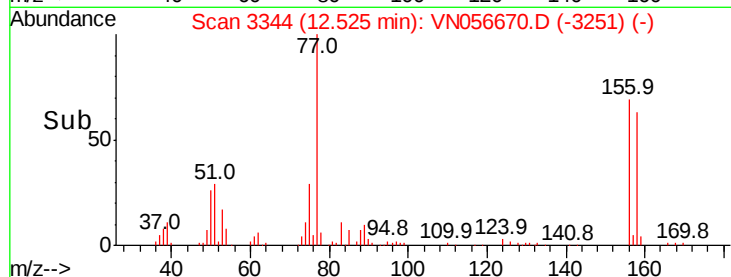
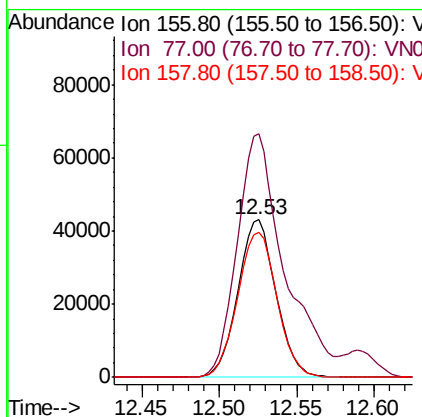
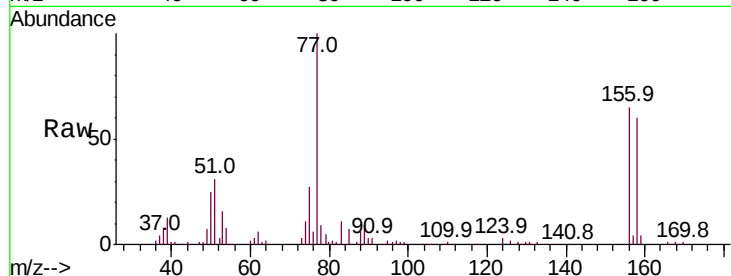
ClientSampleId :

VN0712WBSD01

Tot Ion:	156	Resp:	73685
Ion Ratio	Lower	Upper	
156	100		
77	192.7	92.5	277.3
158	95.4	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 18.942 ug/l

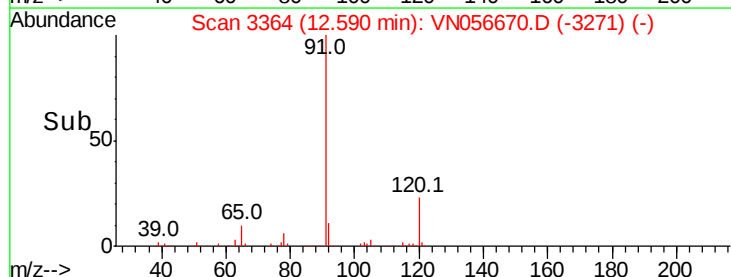
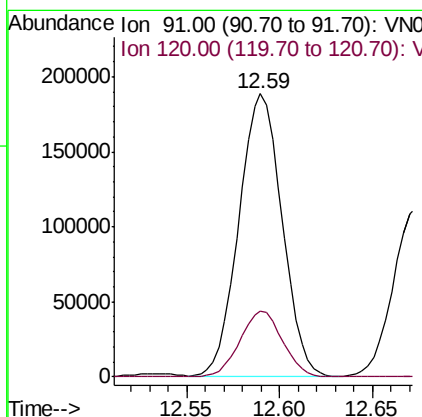
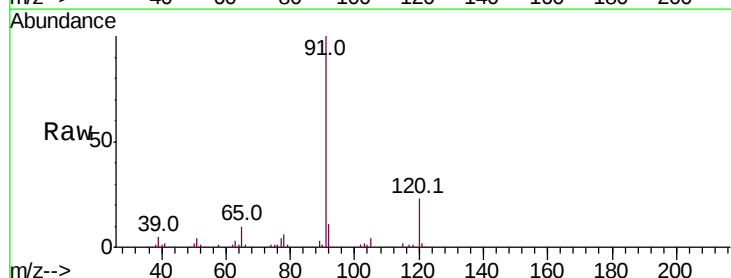
RT: 12.59 min Scan# 3364

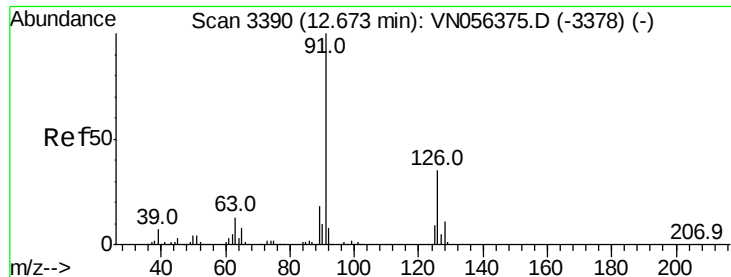
Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion:	91	Resp:	302918
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.956 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion: 91 Resp: 188318

Ion Ratio Lower Upper

91 100

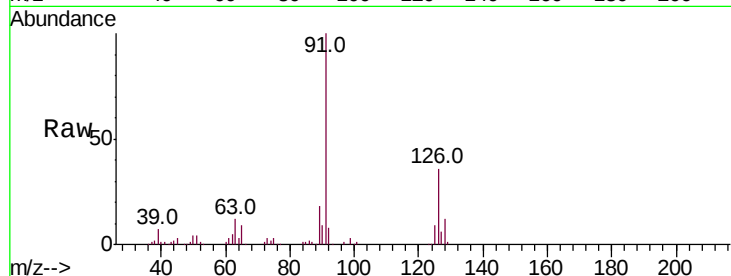
126 35.2 17.6 52.8

Manual Integrations

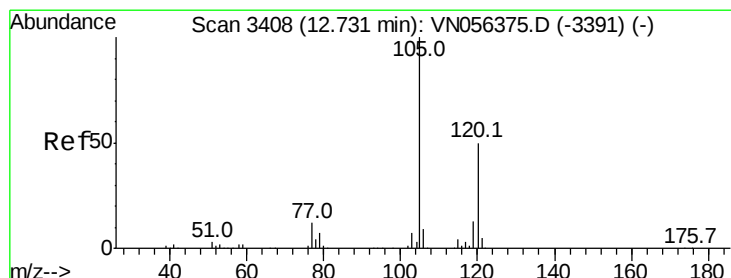
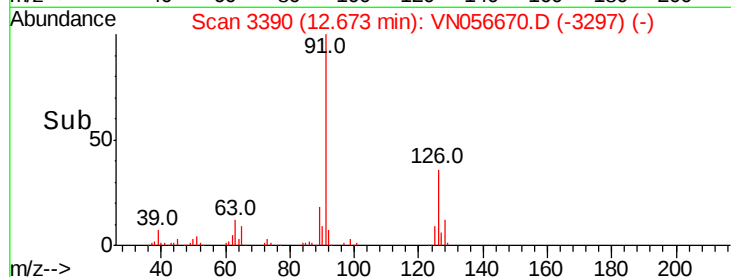
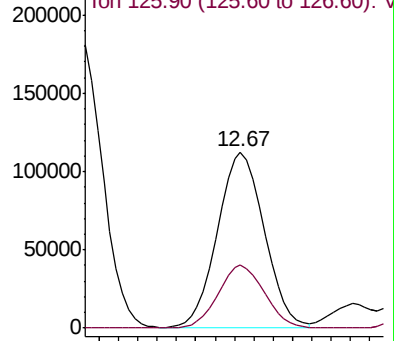
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Abundance Ion 91.00 (90.70 to 91.70): VN056670.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.142 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056670.D

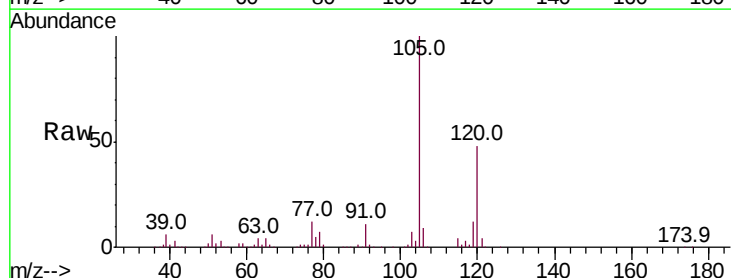
Acq: 11 Jul 2019 17:19

Tgt Ion: 105 Resp: 236194

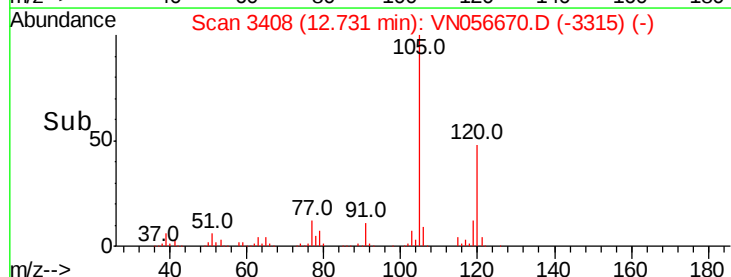
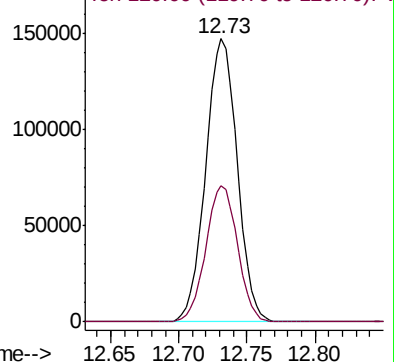
Ion Ratio Lower Upper

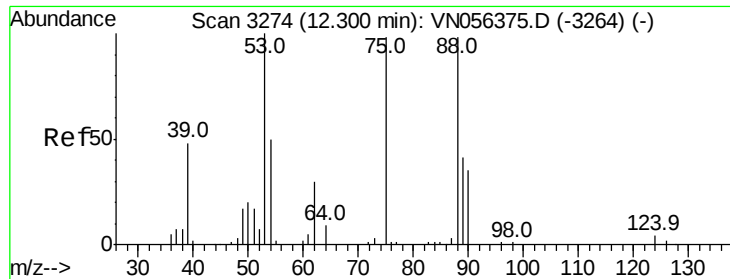
105 100

120 48.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056670.D (-3408) (-)





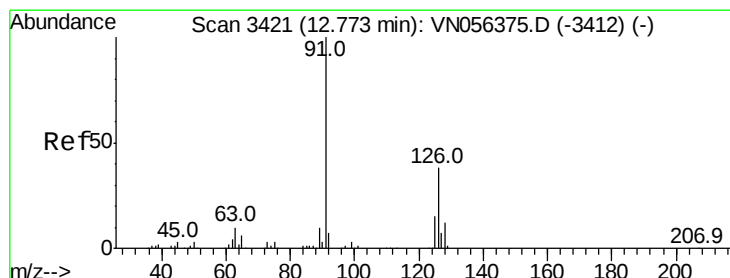
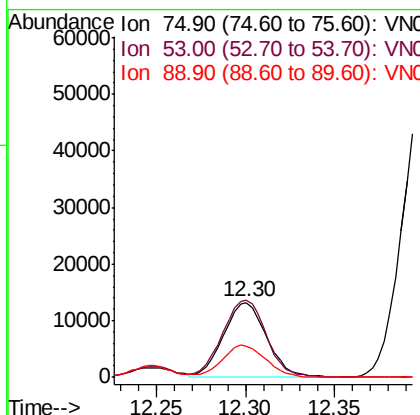
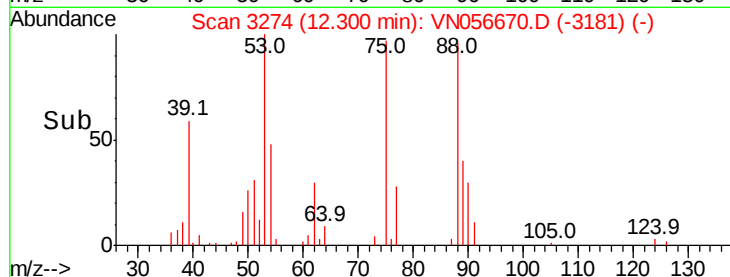
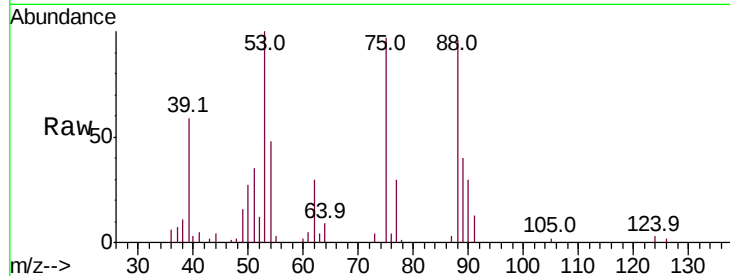
#81
trans-1,4-Dichloro-2-butene
Concen: 22.020 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.8	83.9	125.9
89	42.6	35.0	52.6

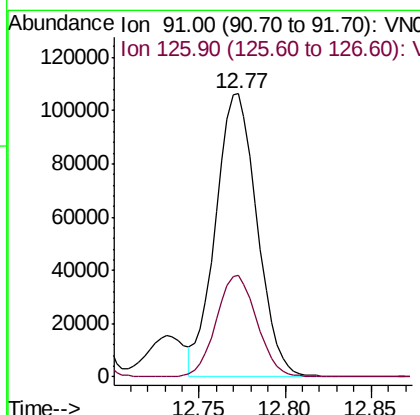
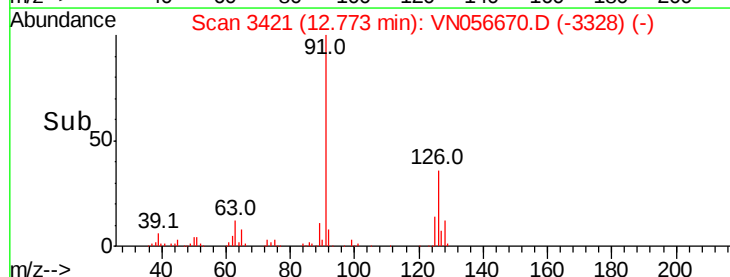
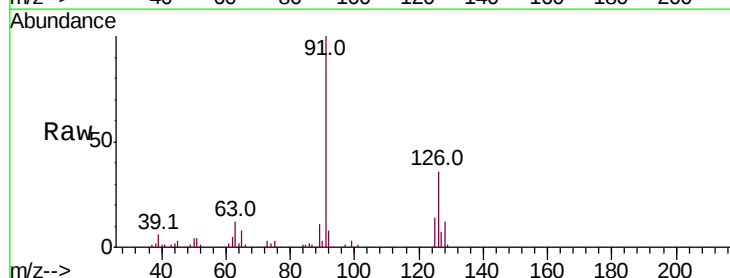
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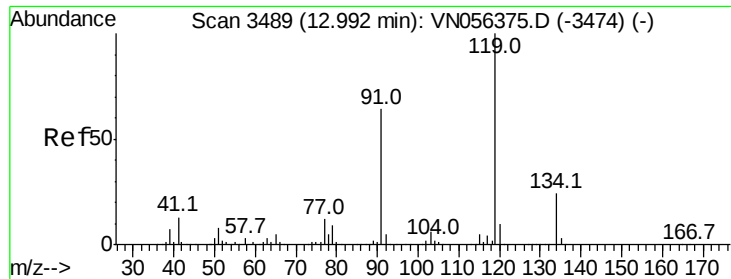
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#82
4-Chlorotoluene
Concen: 18.933 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.3	52.0





#83

tert-Butylbenzene

Concen: 19.625 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

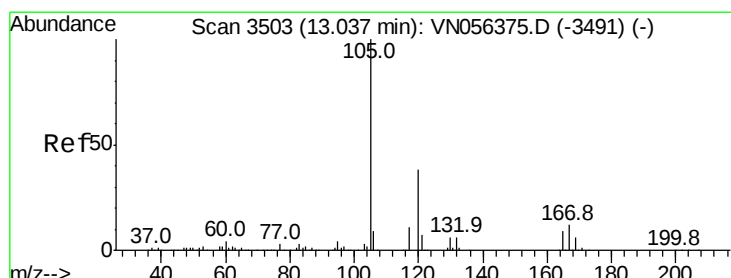
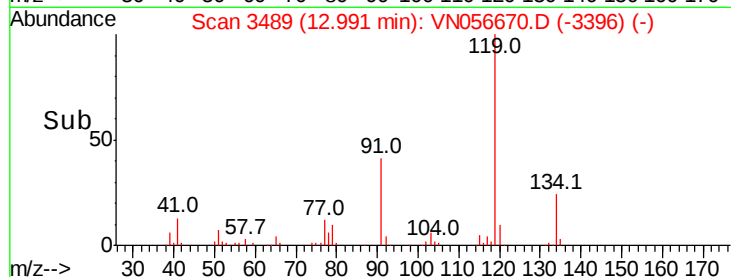
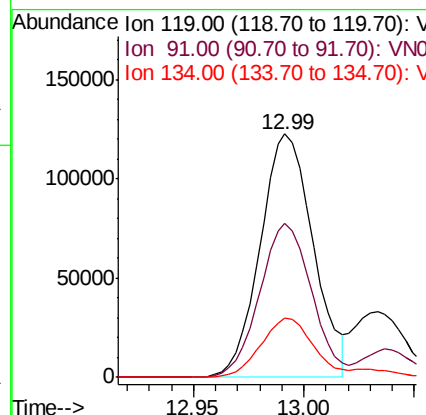
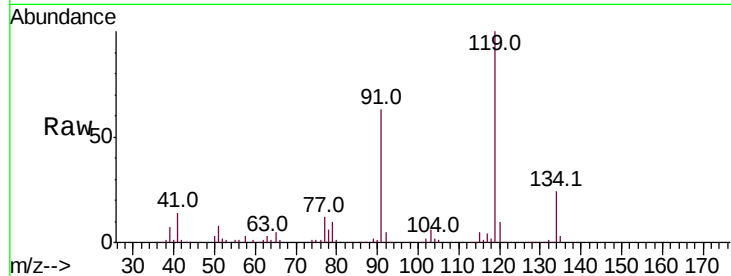
ClientSampleId :

VN0712WBSD01

Tot Ion:	119	Resp:	203990
Ion Ratio	Lower	Upper	
119	100		
91	62.2	31.6	94.7
134	24.1	13.2	39.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.014 ug/l

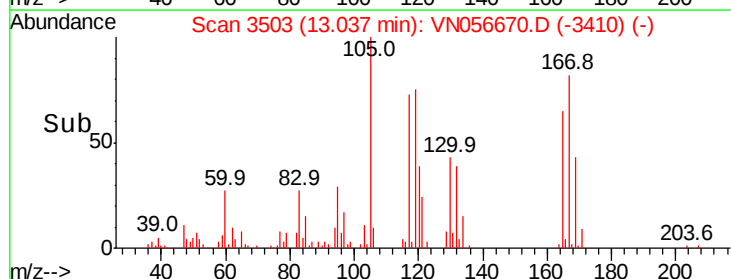
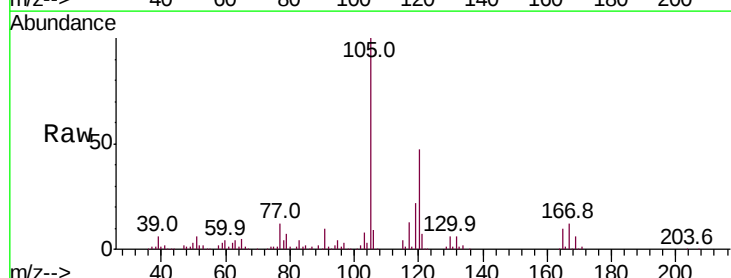
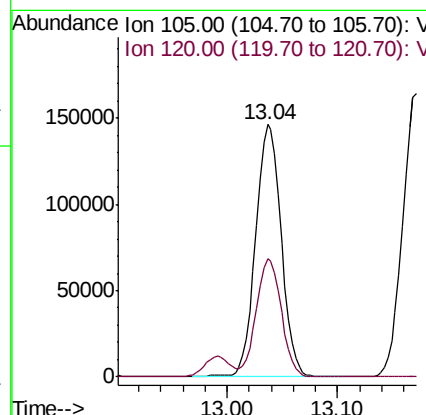
RT: 13.04 min Scan# 3503

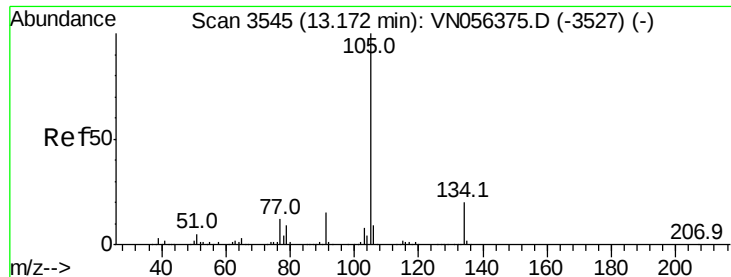
Delta R.T. -0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Tgt Ion:	105	Resp:	235278
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.9	68.8





#85

sec-Butylbenzene

Concen: 18.659 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

VN0712WBSD01

Tot Ion:105 Resp: 262270

Ion Ratio Lower Upper

105 100

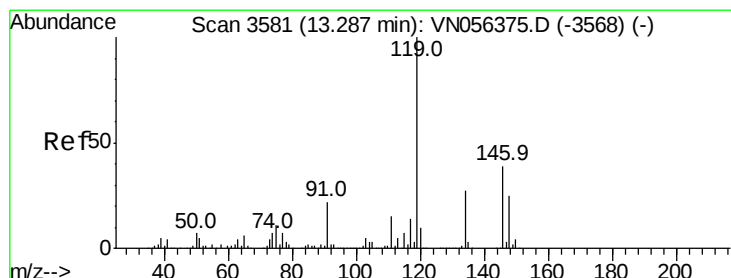
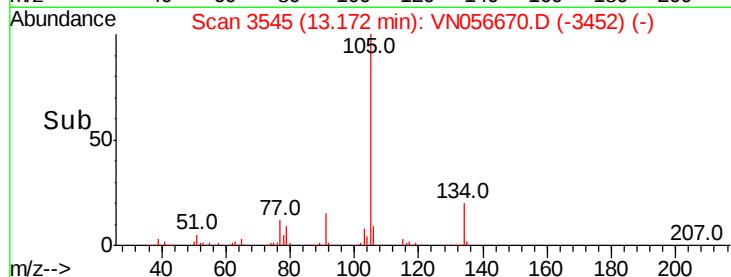
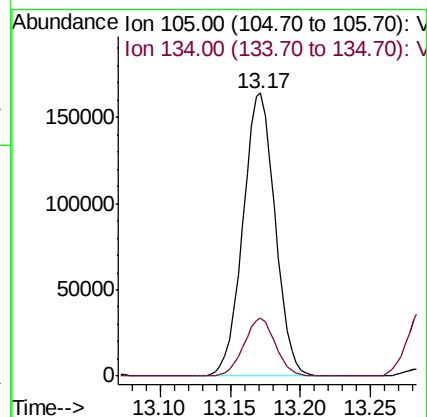
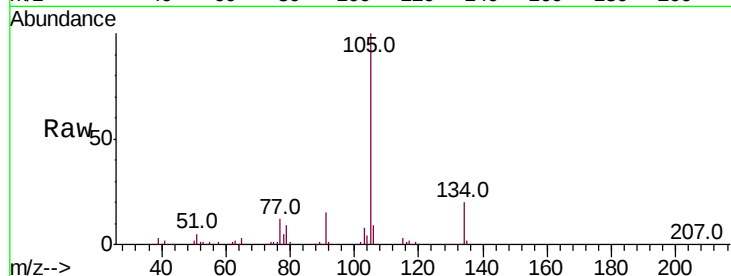
134 20.1 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 19.443 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056670.D

Acq: 11 Jul 2019 17:19

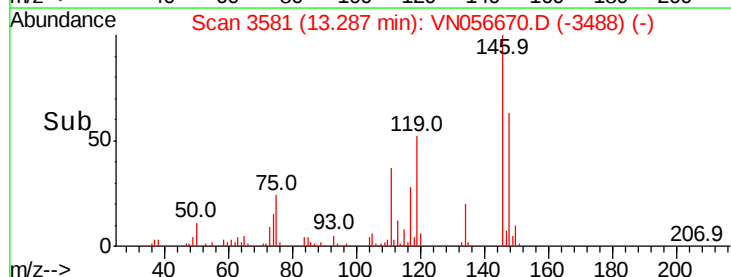
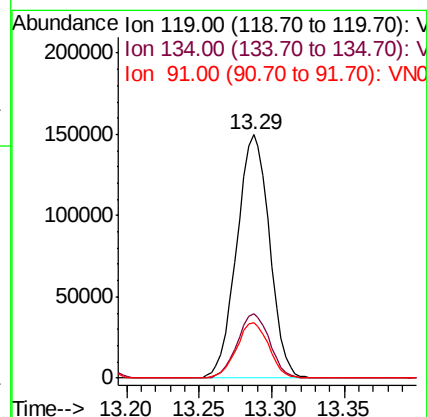
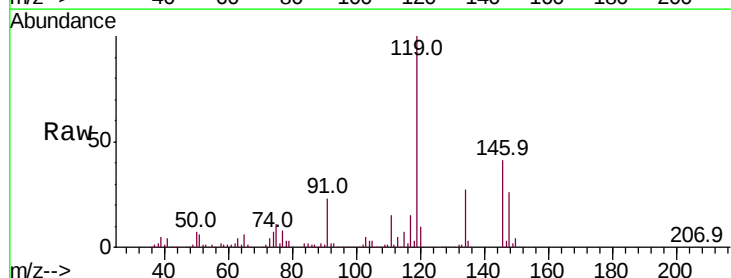
Tgt Ion:119 Resp: 234535

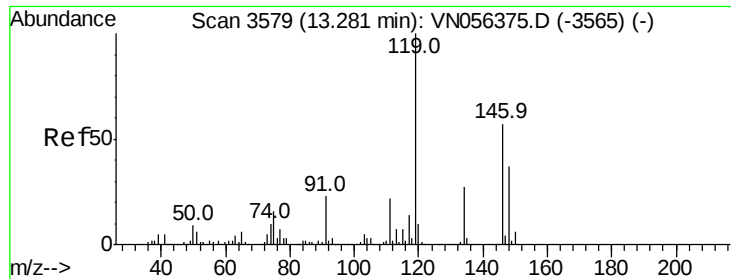
Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 22.5 11.2 33.5





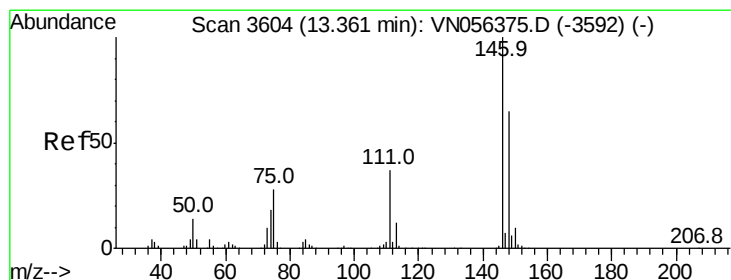
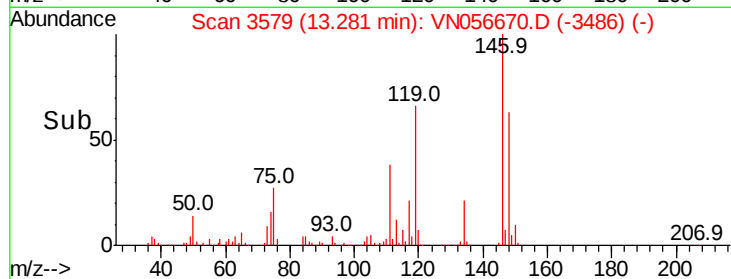
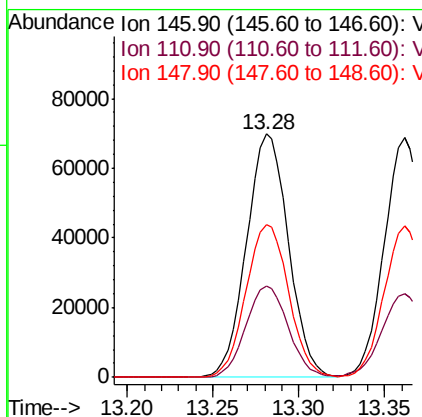
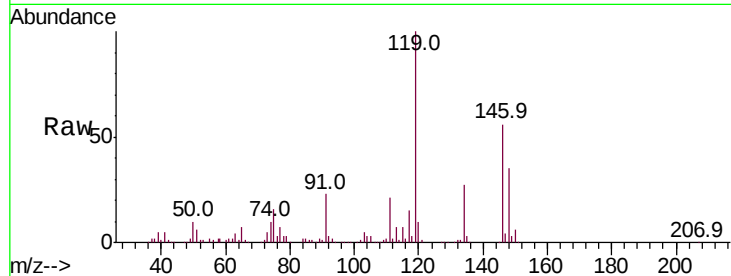
#87
 1,3-Dichlorobenzene
 Concen: 20.027 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	63.7	32.1	96.5

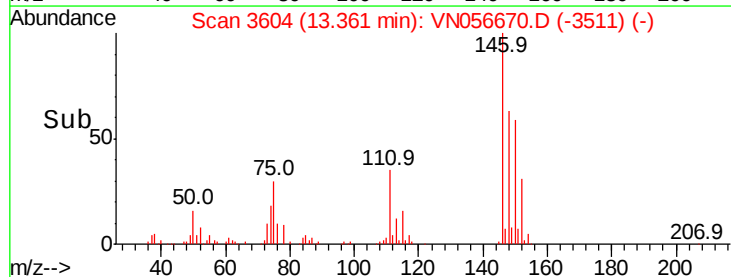
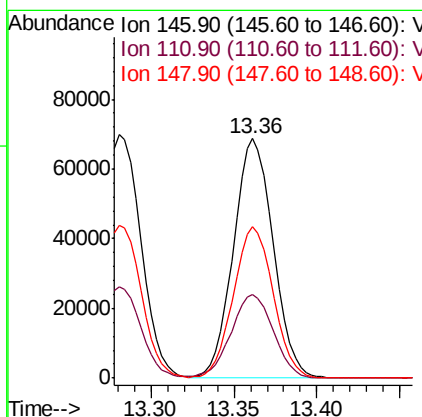
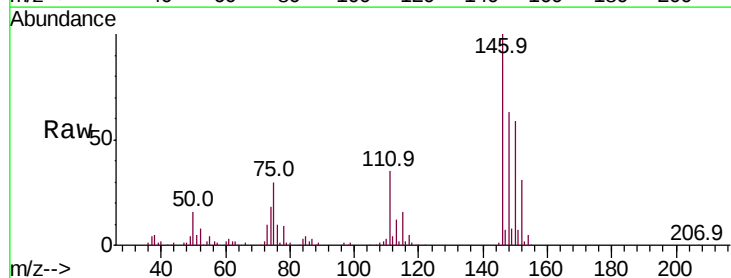
Manual Integrations
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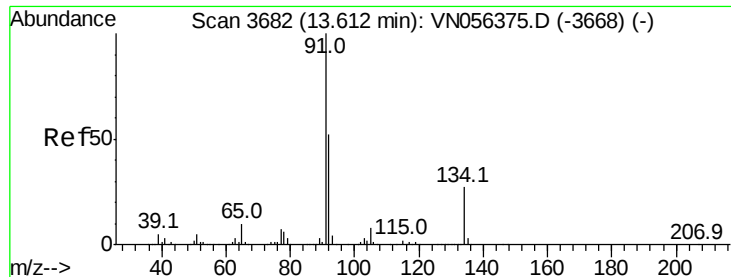
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#88
 1,4-Dichlorobenzene
 Concen: 20.048 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.4
148	63.1	32.4	97.0





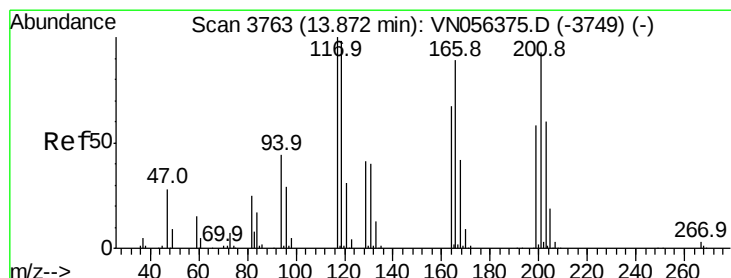
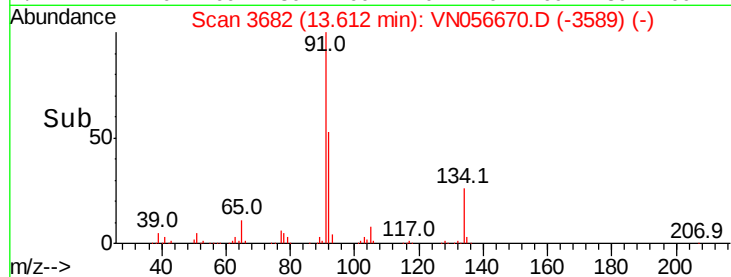
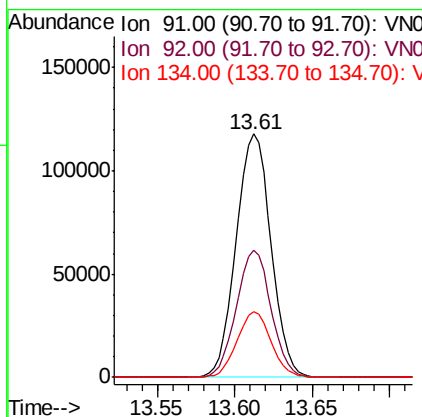
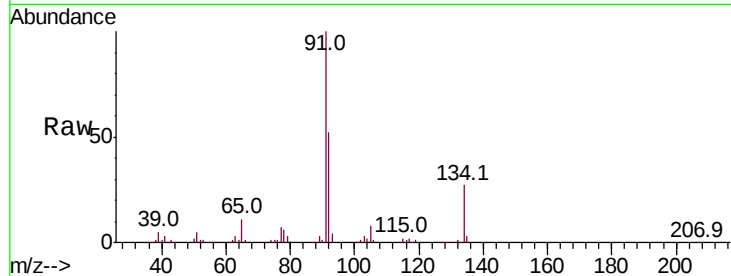
#89
n-Butylbenzene
Concen: 20.234 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	26.3	13.4	40.2

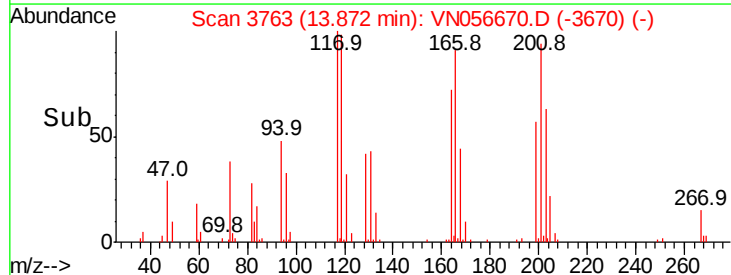
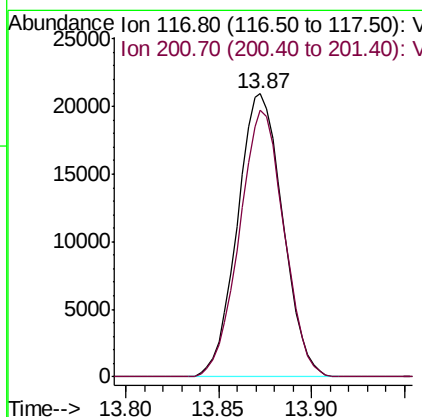
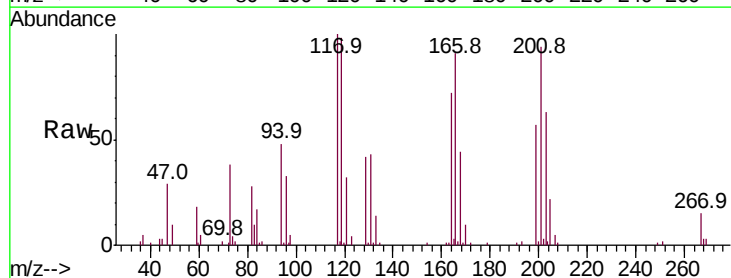
Manual Integrations
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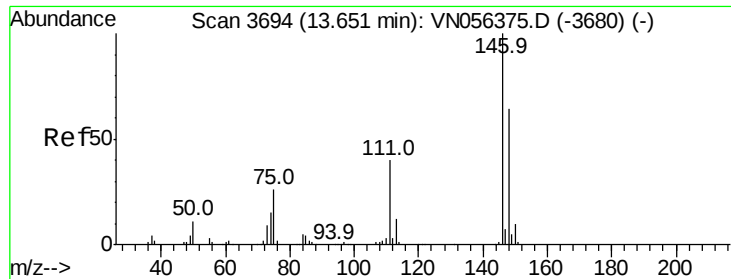
MMDadoda
7/12/2019 5:32:59 PM



#90
Hexachloroethane
Concen: 18.911 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	45.9	137.6





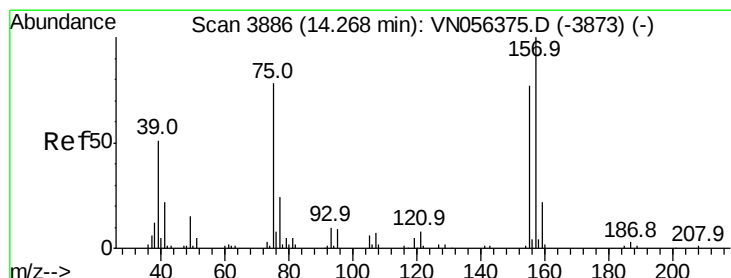
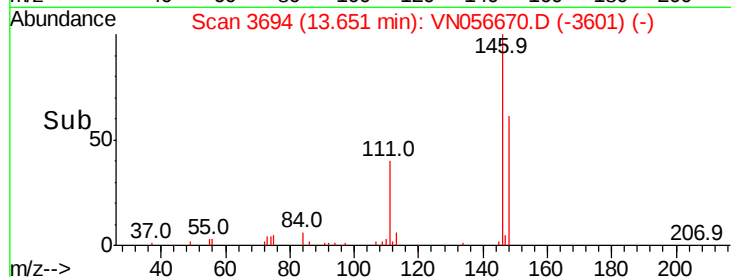
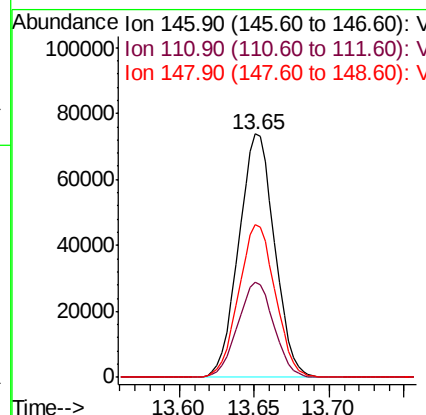
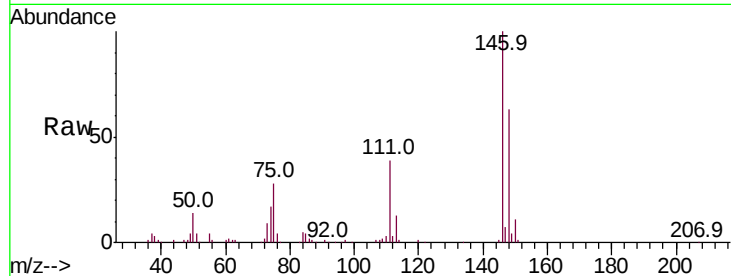
#91
 1,2-Dichlorobenzene
 Concen: 20.942 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122949		
111	39.4	19.3	57.9	
148	63.9	32.0	96.0	

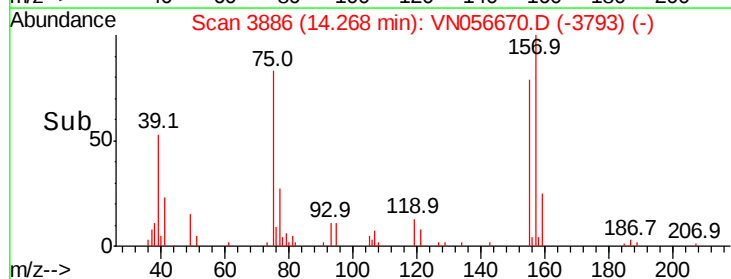
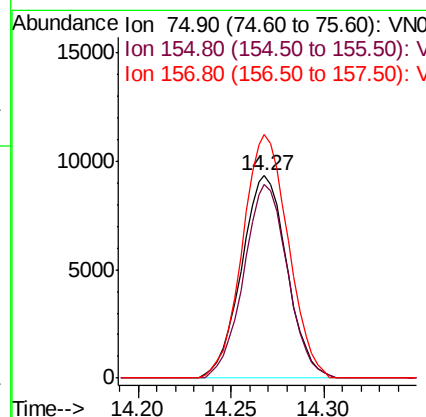
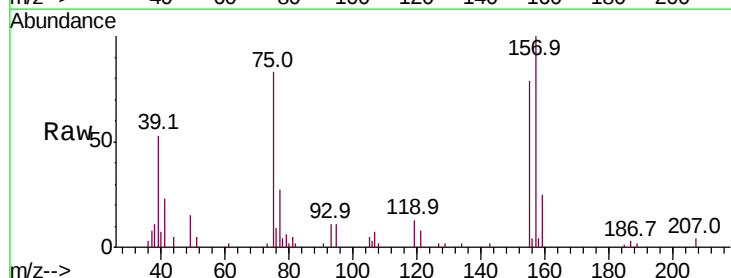
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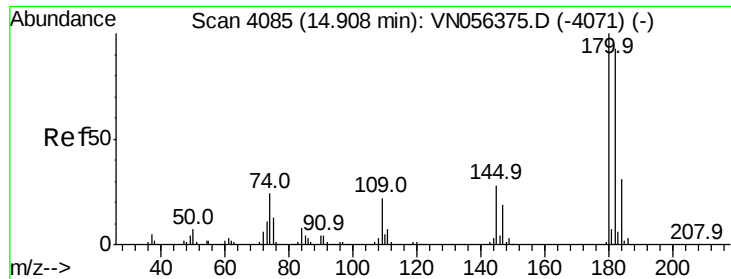
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.694 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15956		
155	92.1	48.9	146.8	
157	120.8	62.9	188.8	





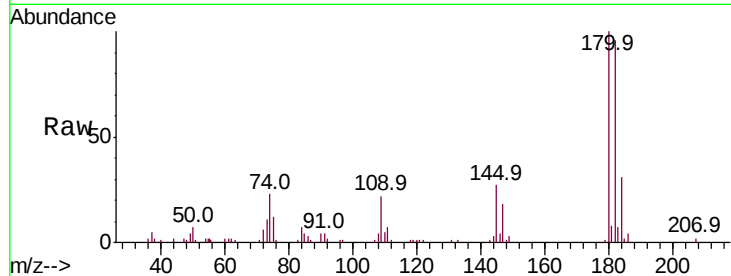
#93
 1,2,4-Trichlorobenzene
 Concen: 22.092 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

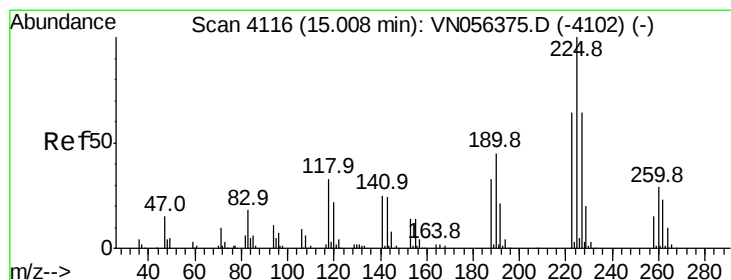
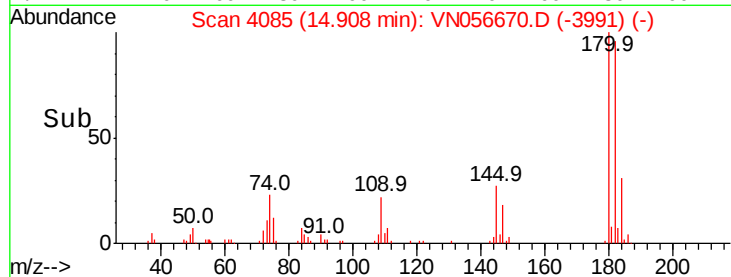
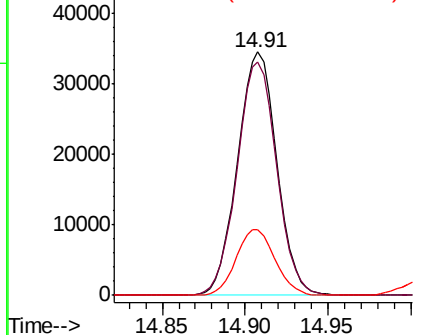
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	46.9	140.6	
145	26.9	14.4	43.0	

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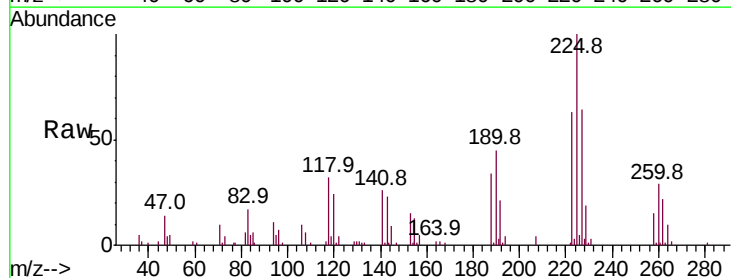


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

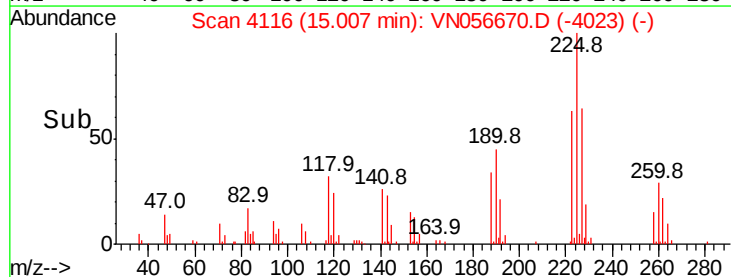
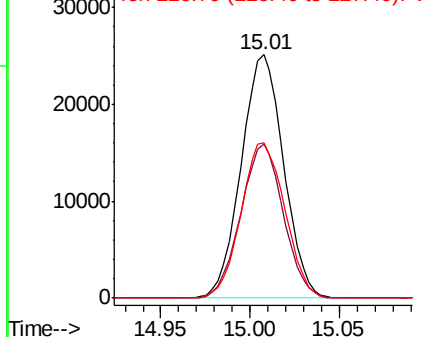


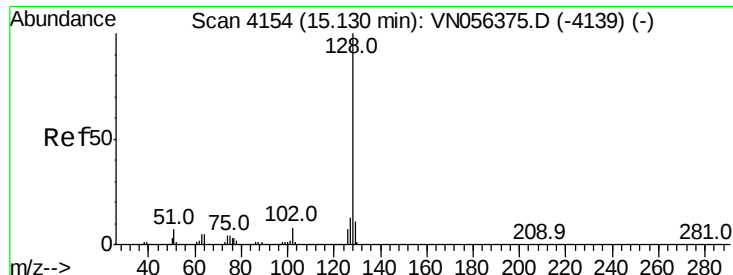
#94
 Hexachlorobutadiene
 Concen: 19.818 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056670.D
 Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.4	94.3	
227	65.8	32.1	96.3	



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





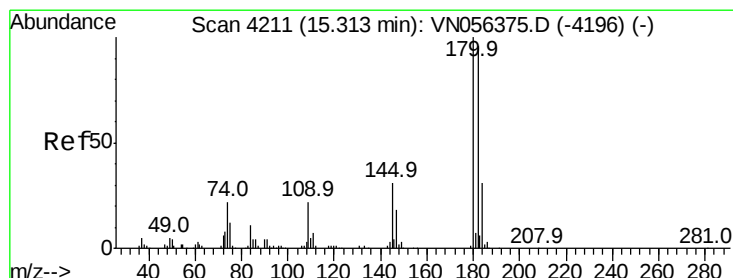
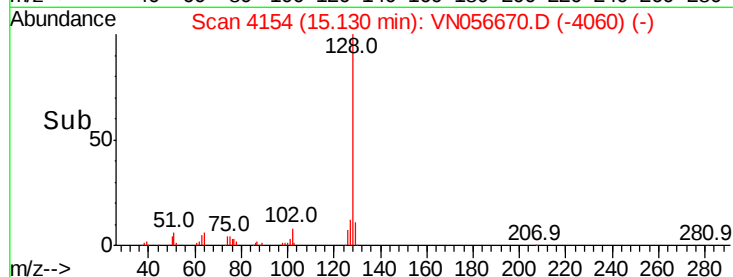
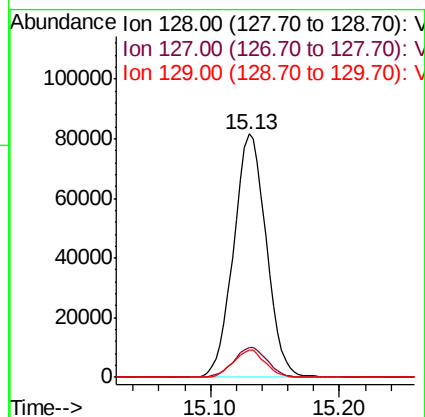
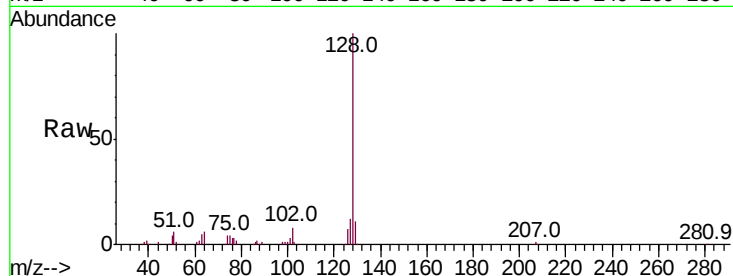
#95
Naphthalene
Concen: 21.321 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Instrument :
MSVOA_N
ClientSampleId :
VN0712WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.0	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 22.047 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056670.D
Acq: 11 Jul 2019 17:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.8
145	29.5	15.4	46.1

