

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057105.D
 Acq On : 6 Aug 2019 16:03
 Operator : JC/SP
 Sample : VN0806WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0806WBS02

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:38 AM

Quant Time: Aug 07 04:26:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	76446	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	414785	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	355229	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	149645	29.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%
60) 4-Bromofluorobenzene	12.40	95	148358	27.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.90%
63) Toluene-d8	10.08	98	500294	29.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	100166	21.915	ug/l 94
3) Chloromethane	2.05	50	110666	19.842	ug/l 99
4) Vinyl Chloride	2.18	62	104460	19.426	ug/l 99
5) Bromomethane	2.54	94	66500	20.142	ug/l 94
6) Chloroethane	2.69	64	55301	18.540	ug/l 100
7) Trichlorofluoromethane	3.00	101	147973	22.597	ug/l 98
8) Diethyl Ether	3.40	74	53749	22.028	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	90054	21.898	ug/l 96
10) 1,1-Dichloroethene	3.72	96	85280	20.896	ug/l 98
11) Methyl Iodide	3.94	142	111738	18.506	ug/l 99
12) Methyl Acetate	4.31	43	92185	18.457	ug/l 93
13) Acrolein	3.59	56	62638	110.811	ug/l 98
14) Acrylonitrile	4.97	53	191613	99.475	ug/l 100
15) Acetone	3.81	58	64365	129.248	ug/l 99
16) Carbon Disulfide	4.04	76	214900	19.528	ug/l 100
17) Allyl chloride	4.31	41	129483	18.960	ug/l 99
18) Methylene Chloride	4.54	84	98249	20.684	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	88952	20.595	ug/l 97
20) Diisopropyl ether	5.94	45	276711	19.956	ug/l 99
21) 1,1-Dichloroethane	5.83	63	164205	20.377	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	101578	20.292	ug/l 99
23) tert-Butyl Alcohol	4.77	59	61785	96.116	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	255511	20.708	ug/l 98
25) Chloroform	7.36	83	167829	21.349	ug/l 96
26) Cyclohexane	7.64	56	149909	20.251	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	121694	20.674	ug/l 99
30) 2-Butanone	6.82	43	253084	107.020	ug/l 99
31) 2,2-Dichloropropane	6.81	77	127931	23.421	ug/l 98
32) 1,1,1-Trichloroethane	7.56	97	138450	21.407	ug/l 99
33) Carbon Tetrachloride	7.76	117	118774	21.041	ug/l 97
34) Benzene	8.03	78	379851	20.481	ug/l 98
35) Methacrylonitrile	7.16	41	44550	18.864	ug/l 96
36) 1,2-Dichloroethane	8.11	62	122383	21.226	ug/l 99
37) Trichloroethene	8.82	130	103263	20.768	ug/l 100
38) Methylcyclohexane	9.07	83	155561	20.776	ug/l 98
39) 1,2-Dichloropropane	9.11	63	96699	19.533	ug/l 97
40) Dibromomethane	9.20	93	63550	20.925	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	120521	20.652	ug/l	99
42) Vinyl Acetate	5.88	43	1039593	98.713	ug/l	98
43) Ethyl Acetate	6.92	43	97256	20.061	ug/l	99
44) Isopropyl Acetate	8.15	43	171021	21.164	ug/l #	82
45) 1,4-Dioxane	9.19	88	31865	414.201	ug/l	97
46) Methyl methacrylate	9.19	41	76862	19.066	ug/l	98
47) n-amyl Acetate	12.07	43	114981	17.774	ug/l	98
48) t-1,3-Dichloropropene	10.37	75	123738	20.376	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	144928	20.480	ug/l	97
50) 1,1,2-Trichloroethane	10.55	97	90700	20.801	ug/l	99
51) Ethyl methacrylate	10.42	69	124430	19.729	ug/l	99
52) 1,3-Dichloropropane	10.70	76	151898	20.641	ug/l	99
53) Dibromochloromethane	10.90	129	94065	20.754	ug/l	98
54) 1,2-Dibromoethane	11.00	107	94287	21.196	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	195948	71.737	ug/l	98
56) Bromoform	12.12	173	65353	20.840	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	477006	100.064	ug/l	98
59) 2-Hexanone	10.75	43	338010	104.056	ug/l	98
61) Tetrachloroethene	10.63	164	105739	21.239	ug/l	97
62) Toluene	10.15	91	406050	21.017	ug/l	100
64) Chlorobenzene	11.43	112	245960	21.135	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.50	131	94828	21.513	ug/l	98
66) Ethyl Benzene	11.51	91	425780	20.914	ug/l	98
67) m/p-Xylenes	11.62	106	320537	42.222	ug/l	100
68) o-Xylene	11.94	106	157592	21.113	ug/l	100
69) Styrene	11.96	104	242161	20.021	ug/l	100
70) Isopropylbenzene	12.25	105	419110	21.325	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	116582	21.179	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	101144m	20.883	ug/l	
73) Bromobenzene	12.52	156	105616	20.826	ug/l	96
74) n-propylbenzene	12.59	91	430602	20.038	ug/l	100
75) 2-Chlorotoluene	12.67	91	267691	20.547	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	350631	21.192	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	29563	19.441	ug/l	93
78) 4-Chlorotoluene	12.77	91	236800	19.121	ug/l	100
79) tert-butylbenzene	12.99	119	312367	21.878	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	335954	20.829	ug/l	99
81) sec-Butylbenzene	13.17	105	382606	20.526	ug/l	100
82) p-Isopropyltoluene	13.29	119	336833	20.120	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	149840	18.765	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	132609	17.565	ug/l	99
85) n-Butylbenzene	13.61	91	233562	17.768	ug/l	98
86) Hexachloroethane	13.87	117	59519	21.244	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	151526	19.105	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15077	17.704	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	47203	16.656	ug/l	98
90) Hexachlorobutadiene	15.00	225	66988	22.978	ug/l	97
91) Naphthalene	15.12	128	111967	15.667	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	56004	13.357	ug/l	99

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MSVOA_N
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VN0806WBS02

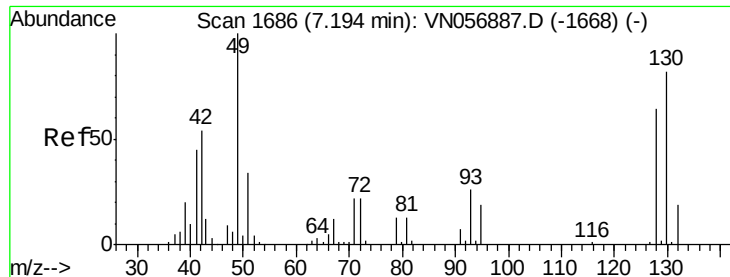
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

Tot Ion:128 Resp: 76446

Ion Ratio Lower Upper

128 100

49 141.6 0.0 385.8

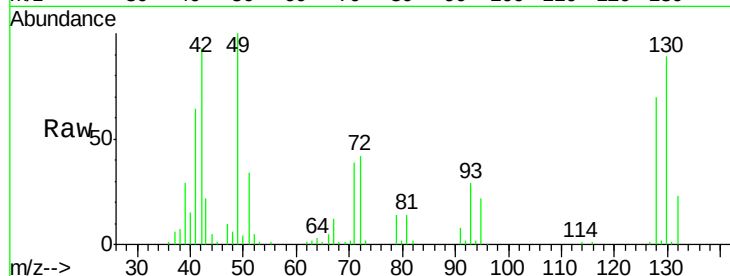
130 128.6 0.0 322.5

Manual Integrations

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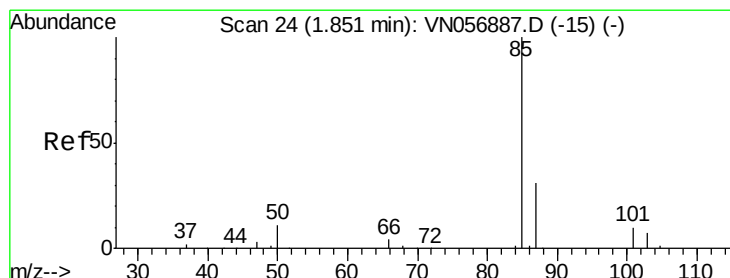
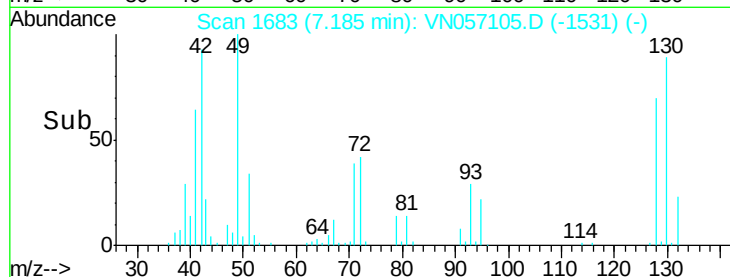
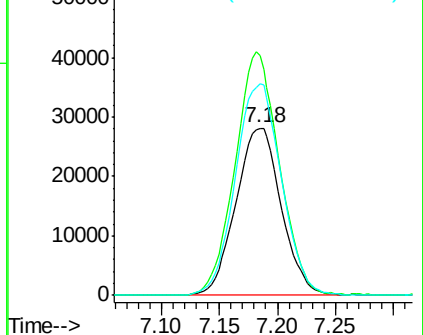
8/9/2019 12:51:38 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.915 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057105.D

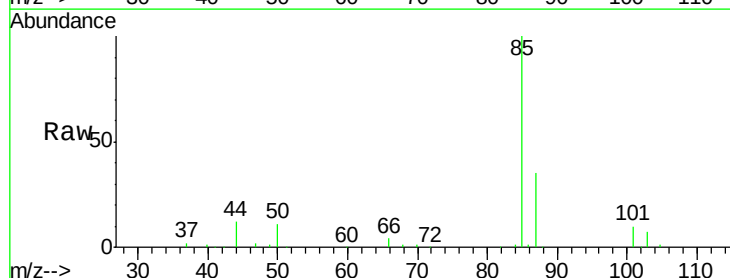
Acq: 6 Aug 2019 16:03

Tgt Ion: 85 Resp: 100166

Ion Ratio Lower Upper

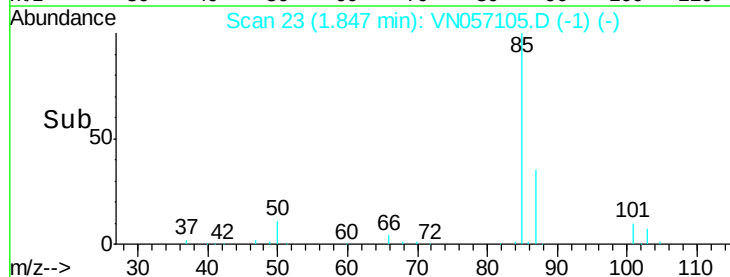
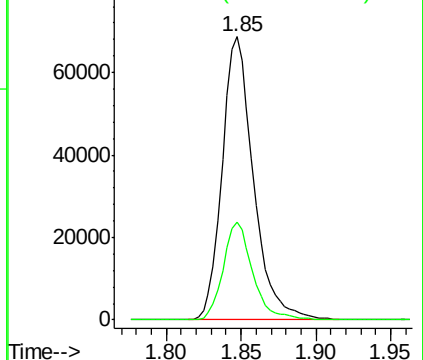
85 100

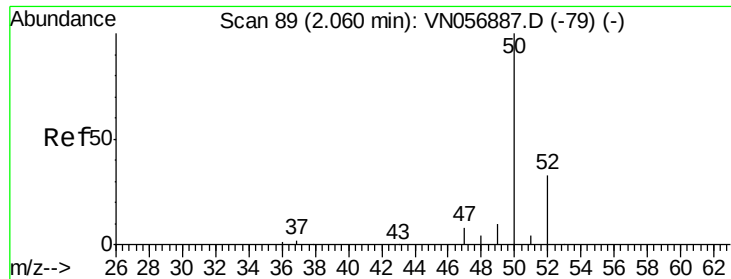
87 34.7 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.842 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

Tot Ion: 50 Resp: 110666

Ion Ratio Lower Upper

50 100

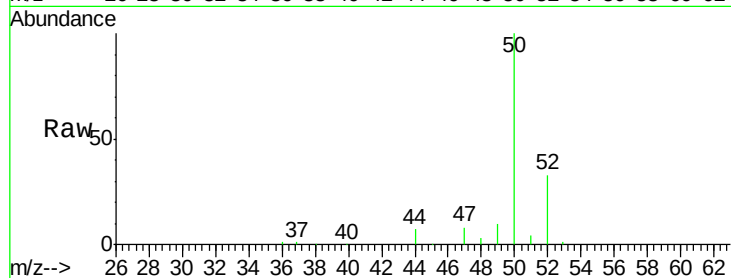
52 33.3 26.2 39.2

Manual Integrations

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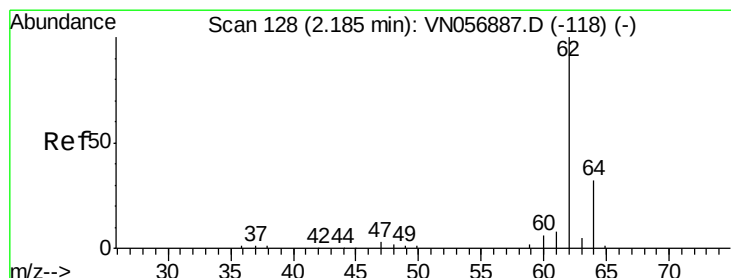
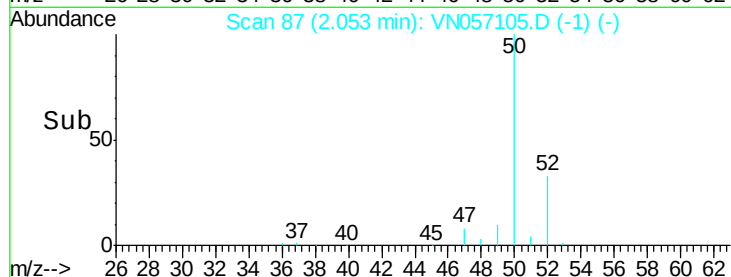
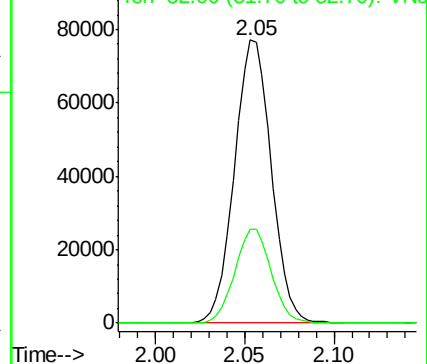
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.426 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057105.D

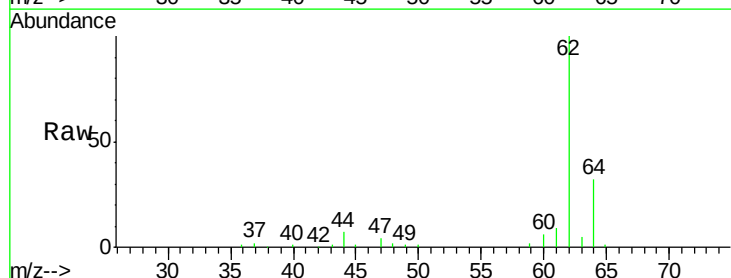
Acq: 6 Aug 2019 16:03

Tgt Ion: 62 Resp: 104460

Ion Ratio Lower Upper

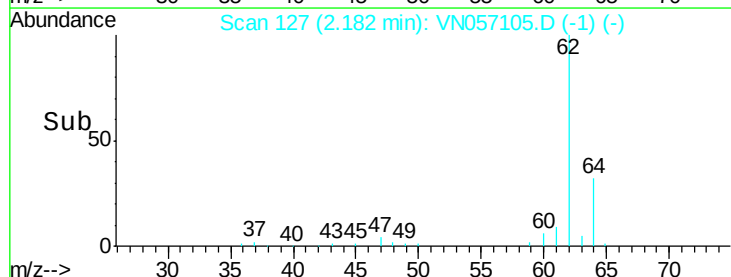
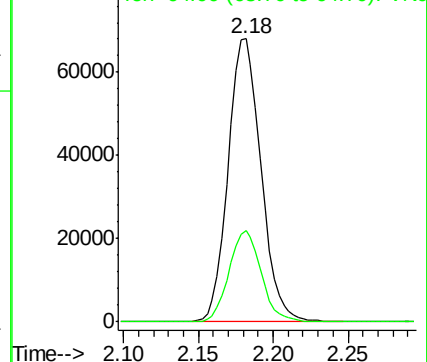
62 100

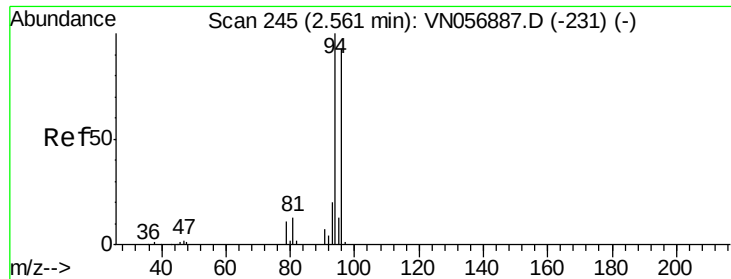
64 32.5 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.142 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 94 Resp: 66500

Ion Ratio Lower Upper

94 100

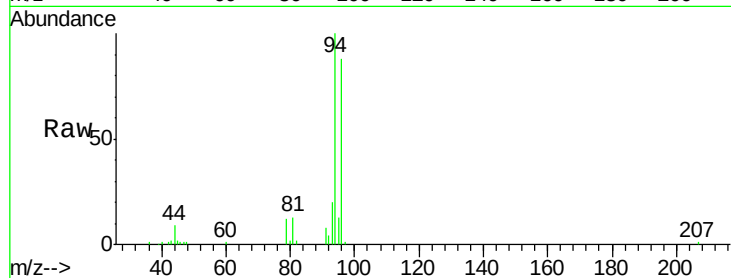
96 87.9 74.7 112.1

Manual Integrations

APPROVED

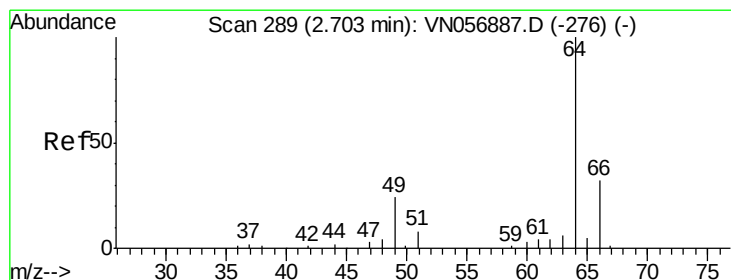
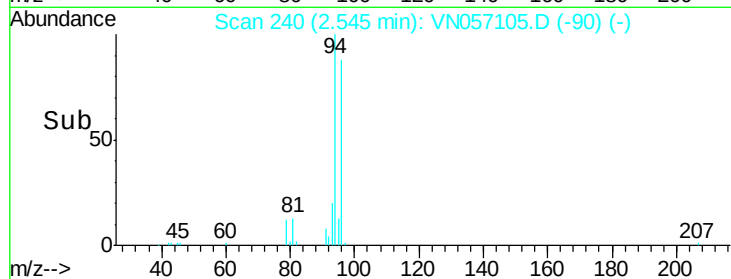
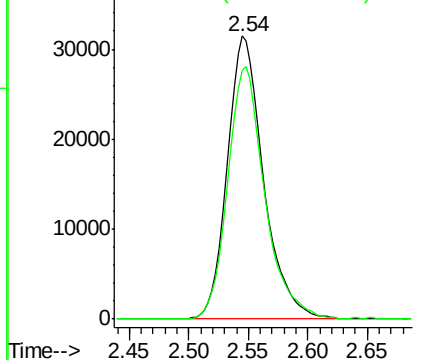
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.540 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN057105.D

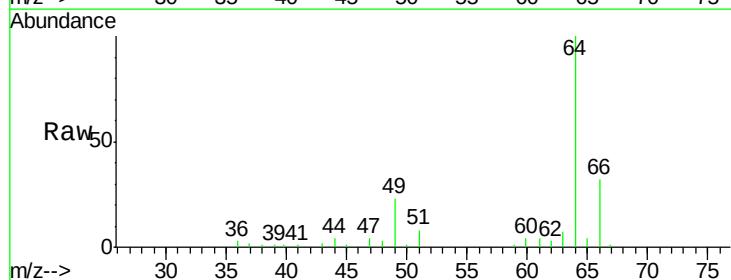
Acq: 6 Aug 2019 16:03

Tgt Ion: 64 Resp: 55301

Ion Ratio Lower Upper

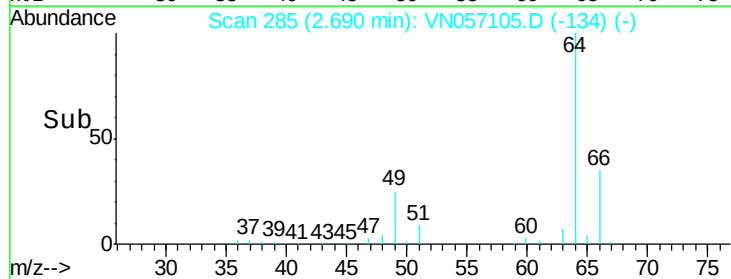
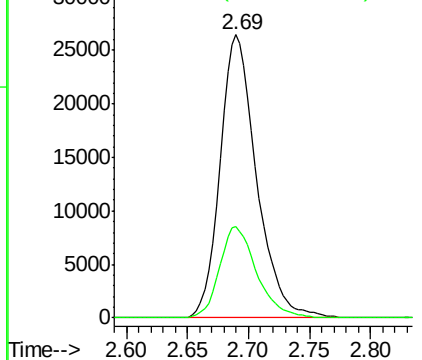
64 100

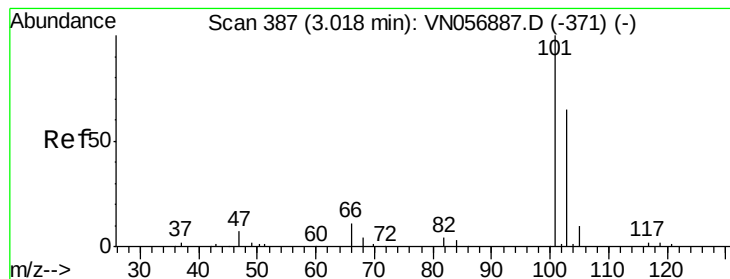
66 32.1 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

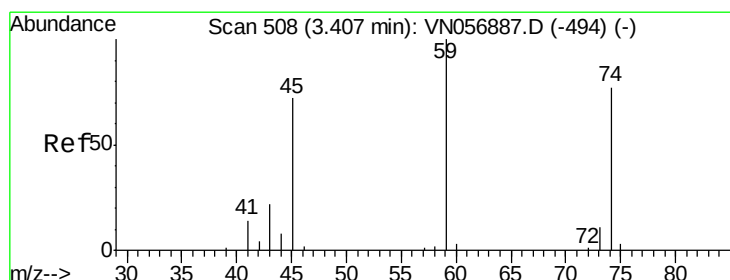
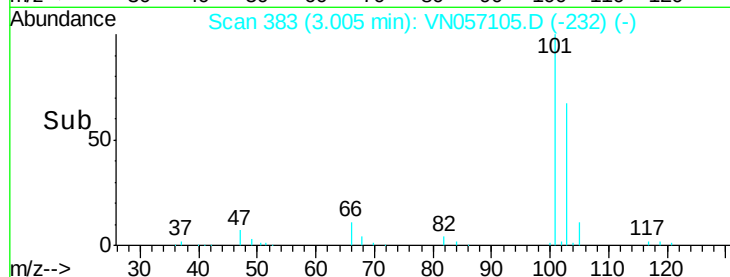
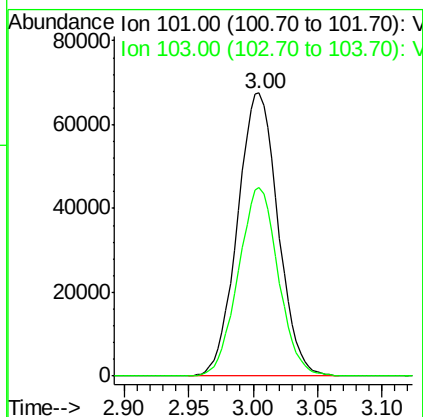
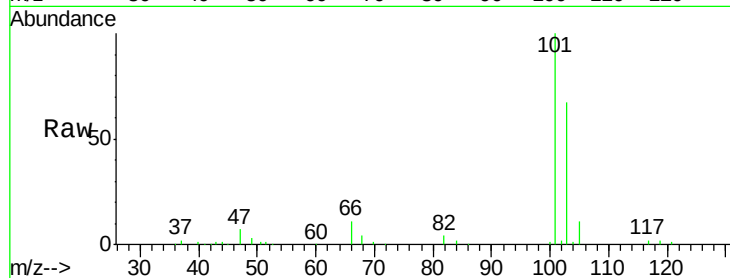
Trichlorofluoromethane
 Concen: 22.597 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
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 VN0806WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.2	78.4

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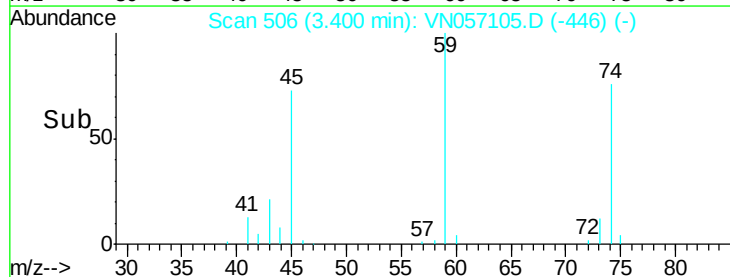
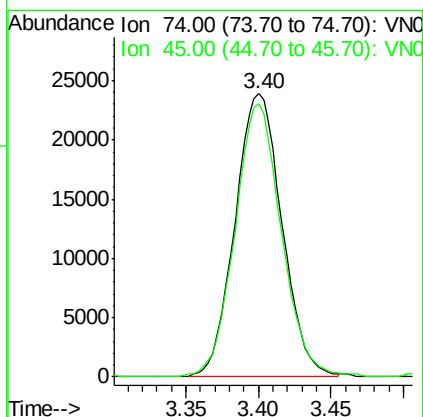
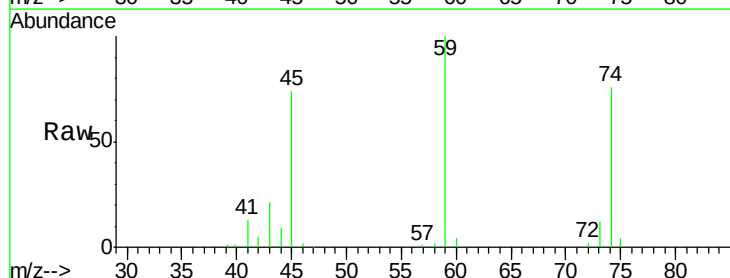
MMdadoda
 8/9/2019 12:51:38 AM

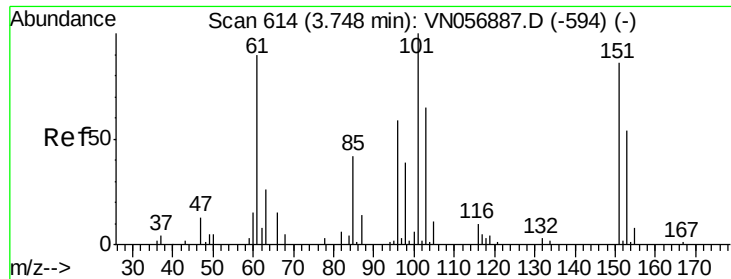


#8

Diethyl Ether
 Concen: 22.028 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	19.5	175.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.898 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

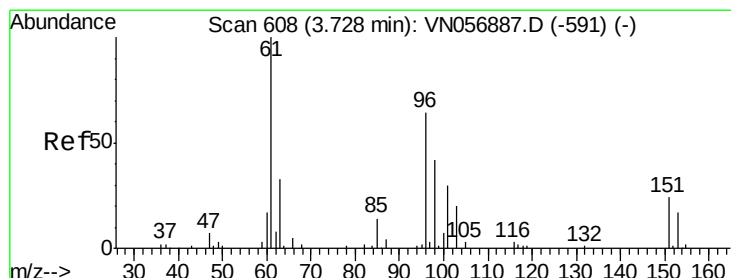
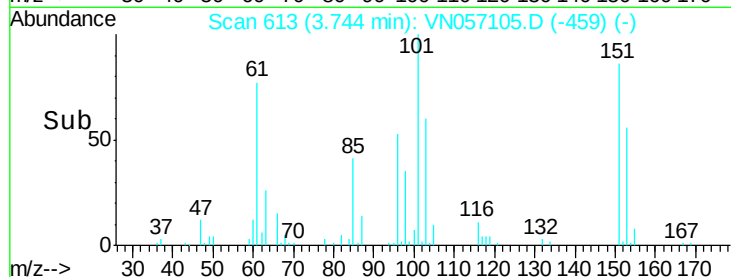
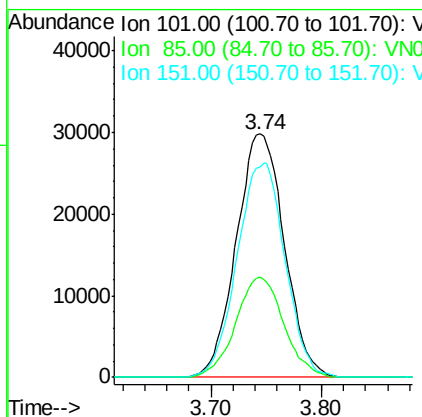
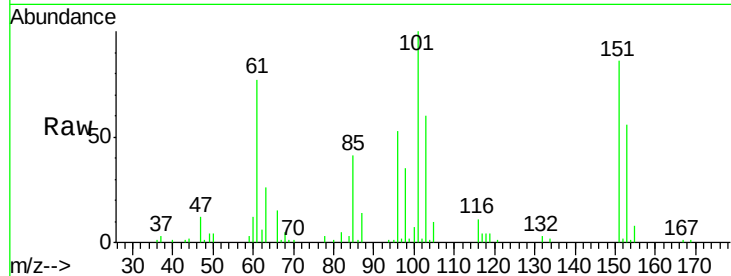
ClientSampleId :

VN0806WBS02

Tot Ion:	101	Resp:	90054
Ion Ratio	Lower	Upper	
101	100		
85	40.9	0.0	85.0
151	87.8	0.0	167.2

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#10

1,1-Dichloroethene

Concen: 20.896 ug/l

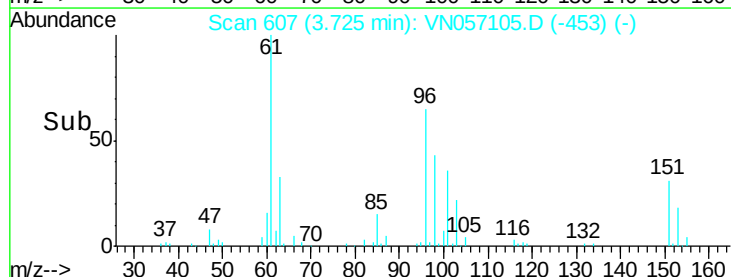
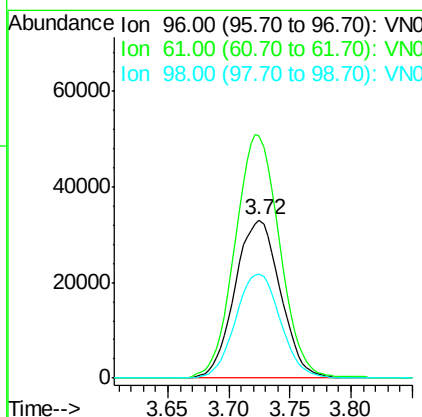
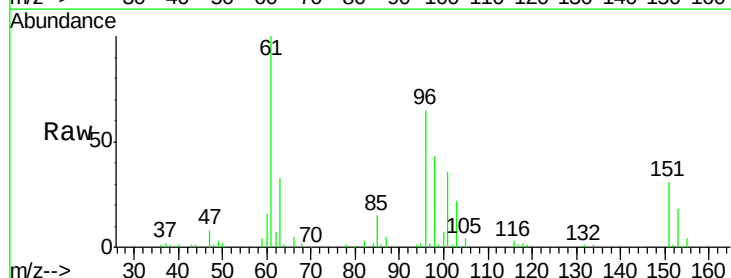
RT: 3.72 min Scan# 607

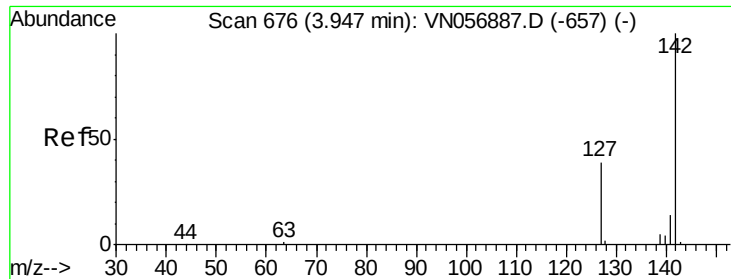
Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Tgt Ion:	96	Resp:	85280
Ion Ratio	Lower	Upper	
96	100		
61	153.2	125.8	188.8
98	65.7	52.7	79.1





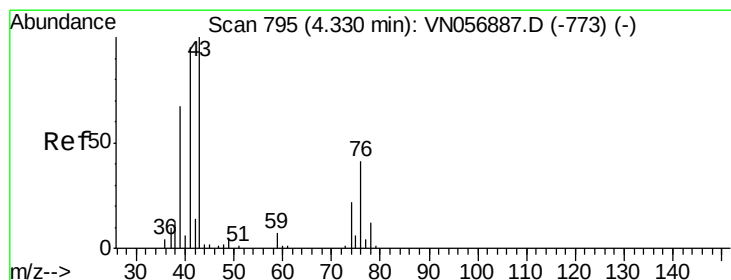
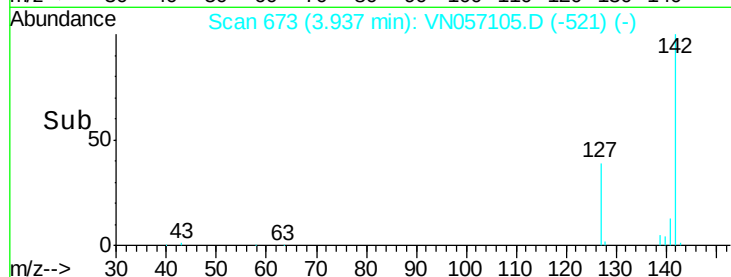
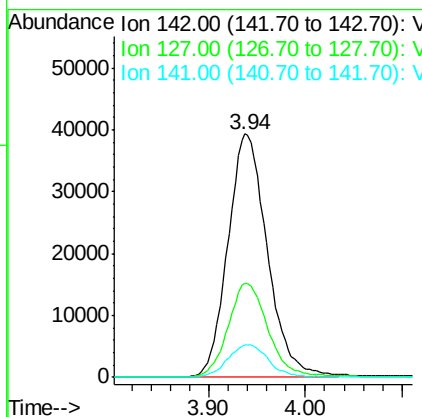
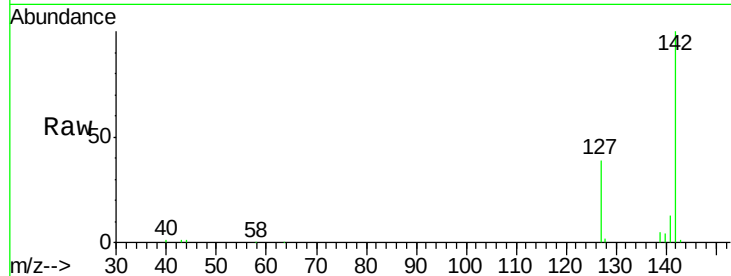
#11
Methvl Iodide
Concen: 18.506 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.7	19.6	58.8
141	13.3	7.2	21.6

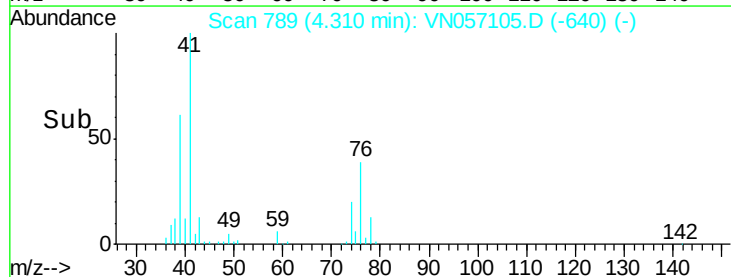
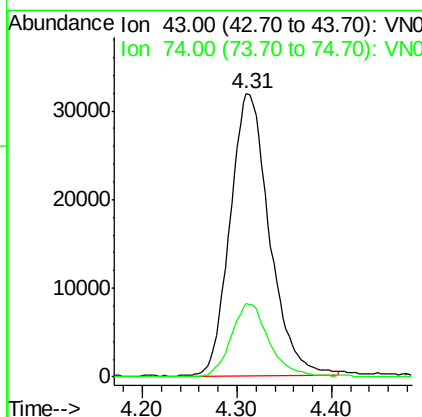
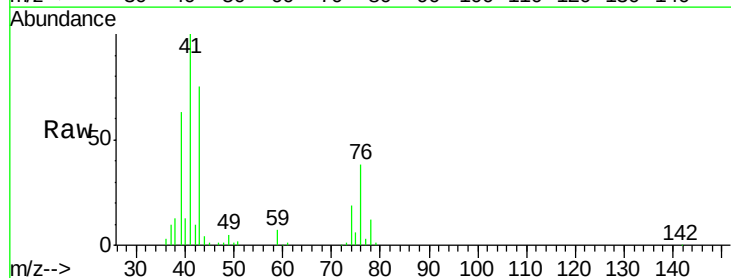
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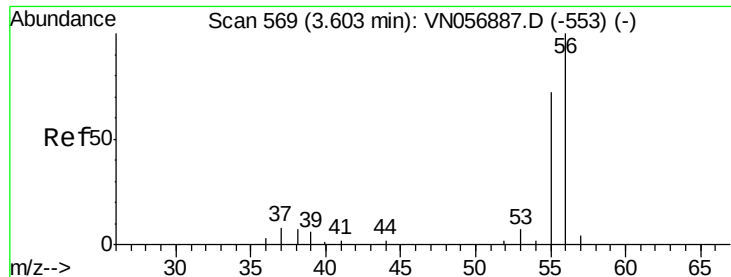
MMDadoda
8/9/2019 12:51:38 AM



#12
Methyl Acetate
Concen: 18.457 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	18.1	27.1





#13

Acrolein

Concen: 110.811 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

Tot Ion: 56 Resp: 62638

Ion Ratio Lower Upper

56 100

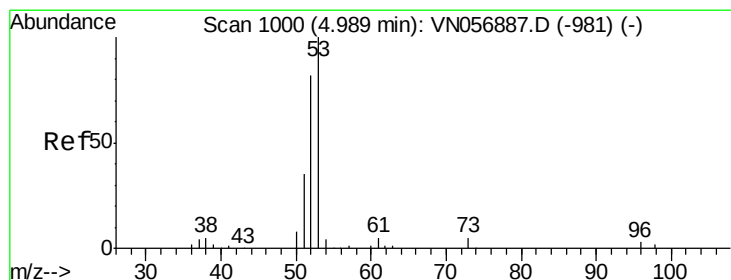
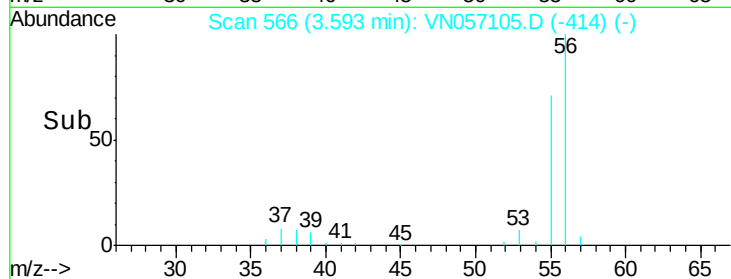
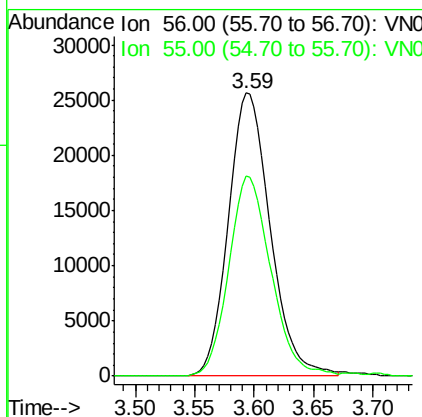
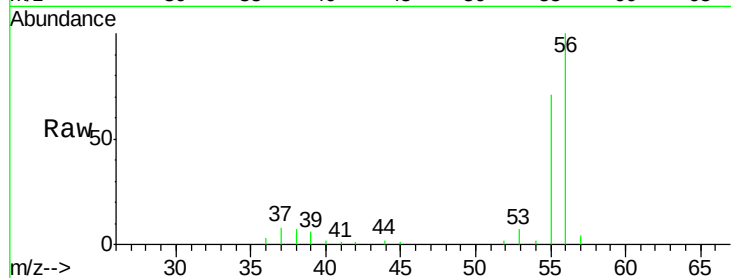
55 71.0 58.5 87.7

Manual Integrations

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#14

Acrylonitrile

Concen: 99.475 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.02 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

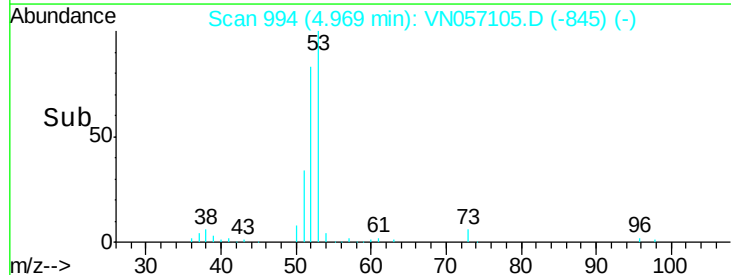
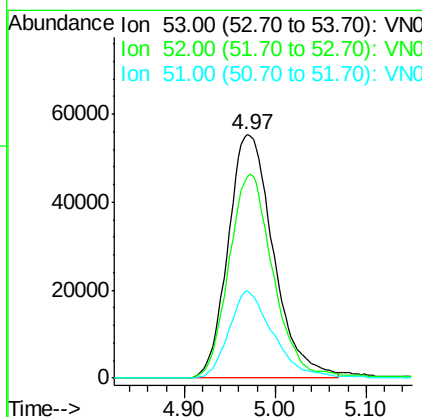
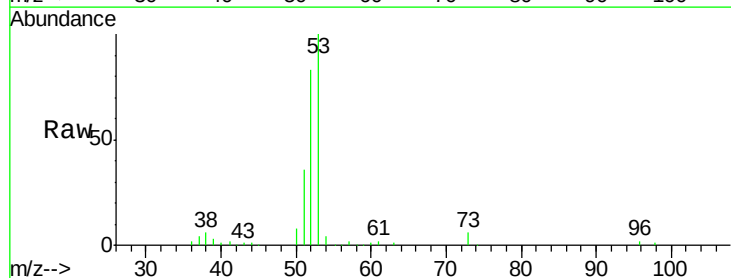
Tgt Ion: 53 Resp: 191613

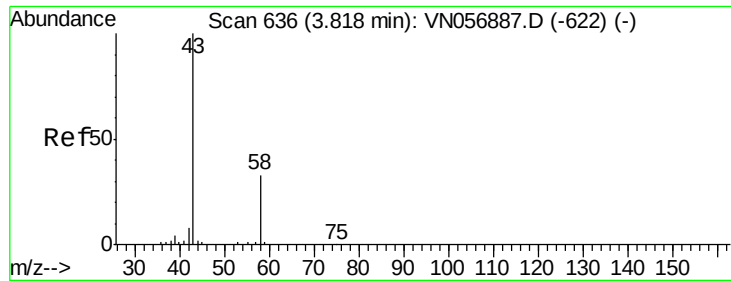
Ion Ratio Lower Upper

53 100

52 81.4 40.8 122.5

51 34.8 17.4 52.2





#15

Acetone

Concen: 129.248 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 58 Resp: 64365

Ion Ratio Lower Upper

58 100

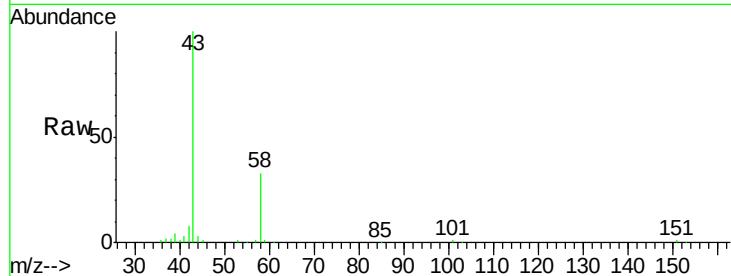
43 300.7 242.4 363.6

Manual Integrations

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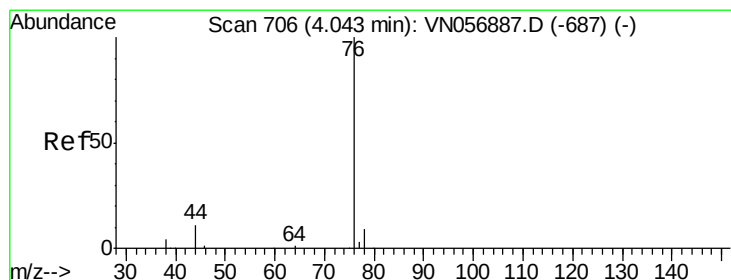
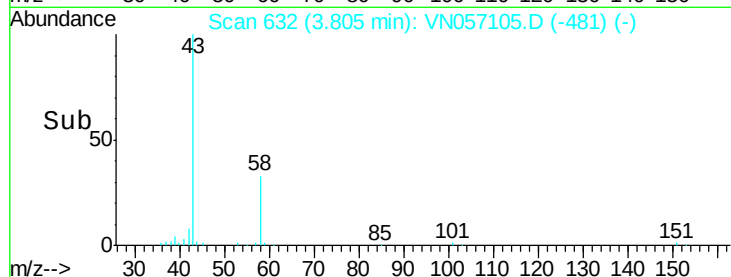
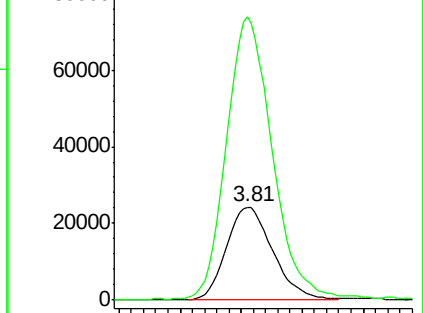
MMdadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.528 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057105.D

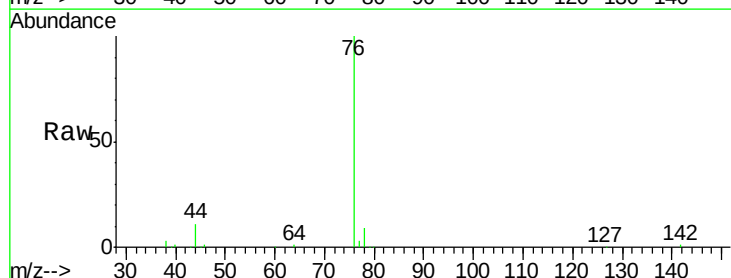
Acq: 6 Aug 2019 16:03

Tgt Ion: 76 Resp: 214900

Ion Ratio Lower Upper

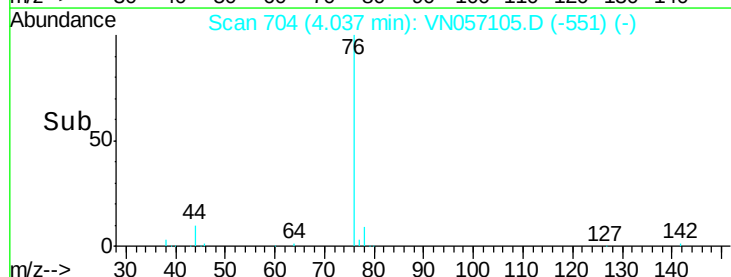
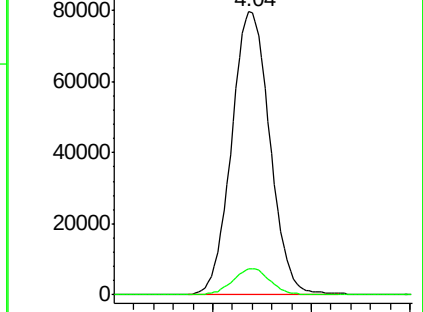
76 100

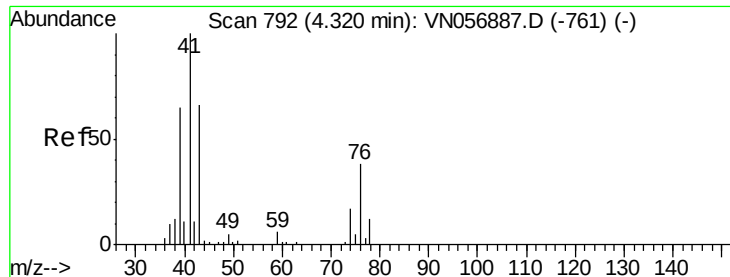
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





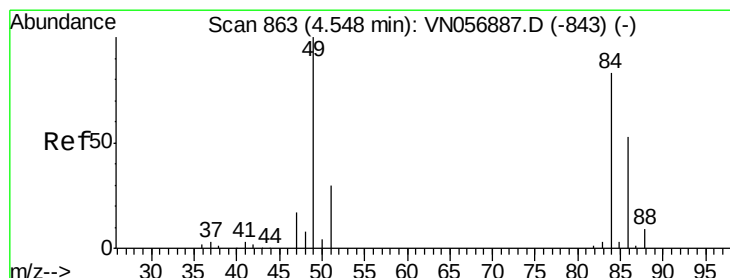
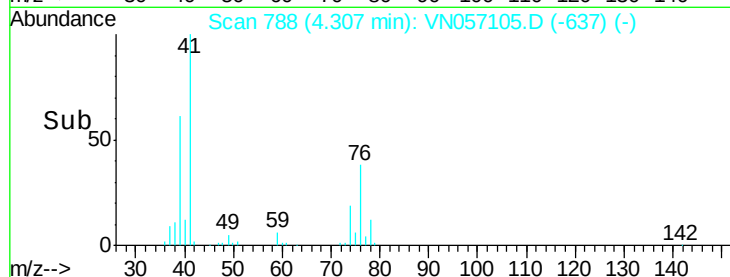
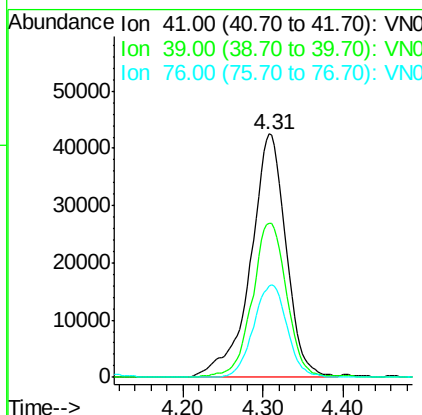
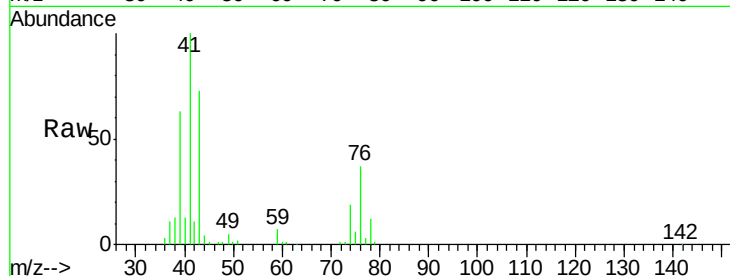
#17
Allvl chloride
Concen: 18.960 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.4	32.4	97.0
76	37.4	19.0	57.0

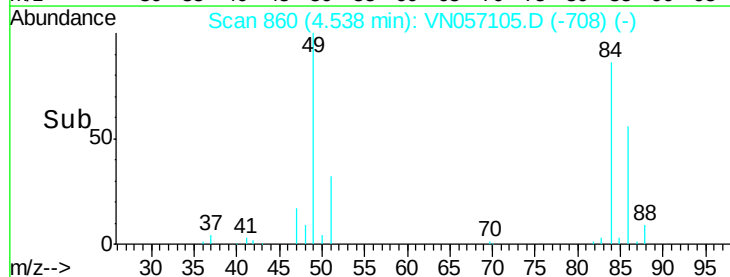
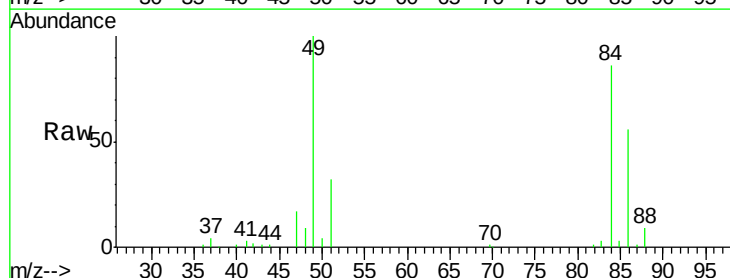
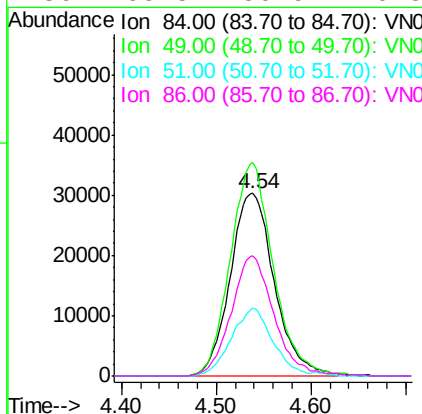
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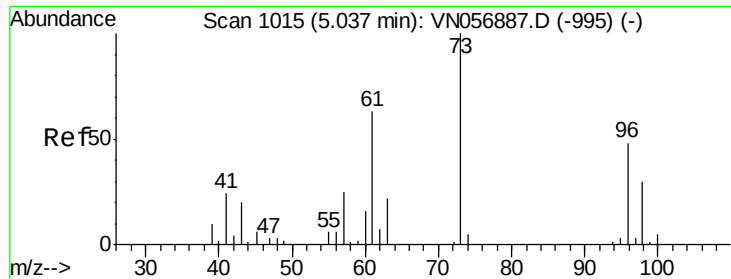
MMdadoda
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#18
Methylene Chloride
Concen: 20.684 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.9	96.3	144.5
51	36.8	28.8	43.2
86	65.5	50.9	76.3





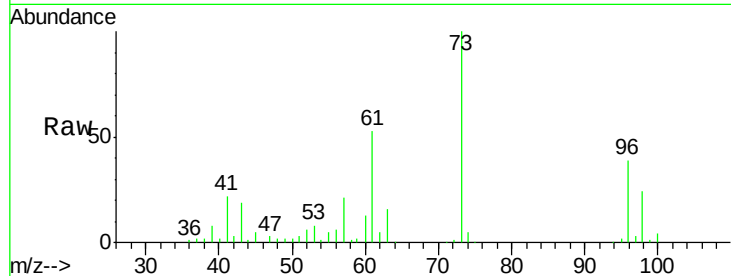
#19
trans-1,2-Dichloroethene
Concen: 20.595 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	105.4	158.0
98	60.8	50.8	76.2

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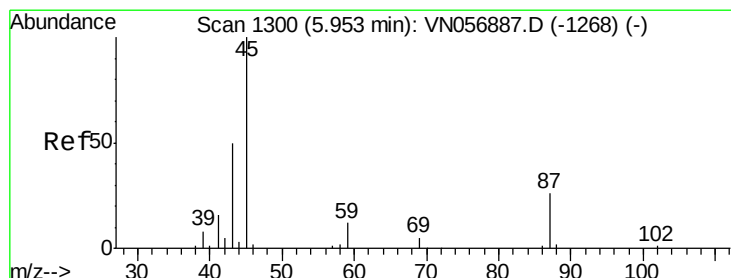
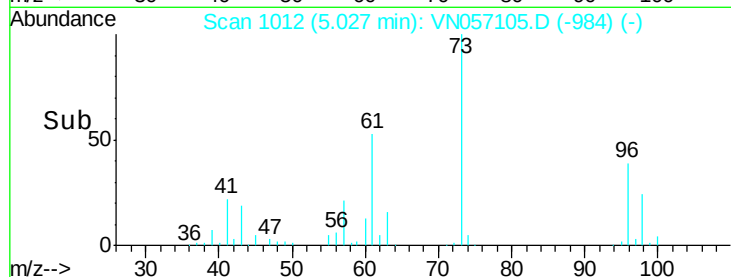
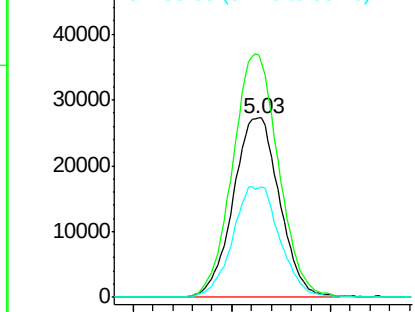


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.956 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	47.4	71.0
87	27.8	21.7	32.5
59	11.1	9.3	13.9

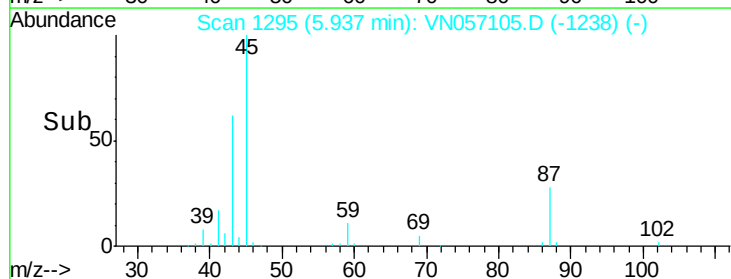
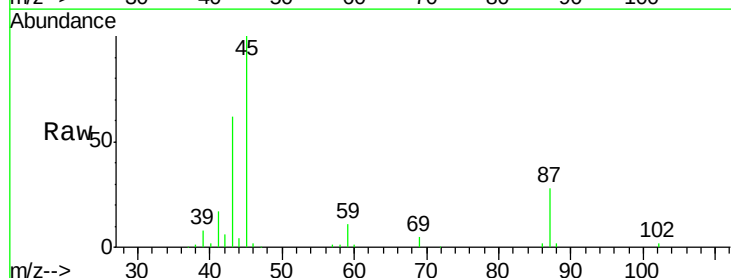
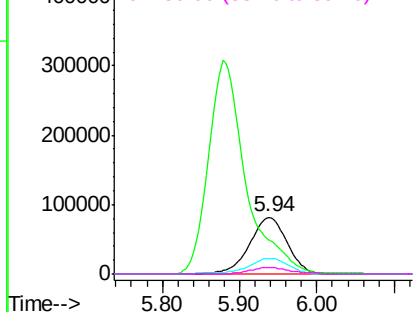
Abundance

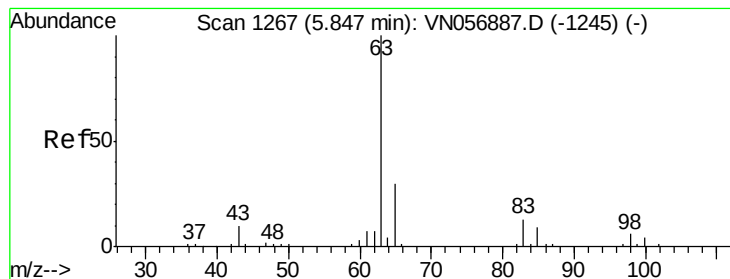
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.377 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

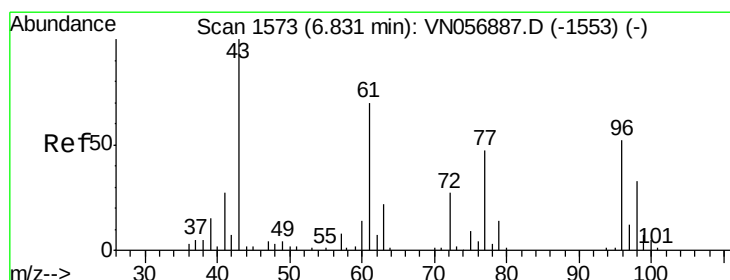
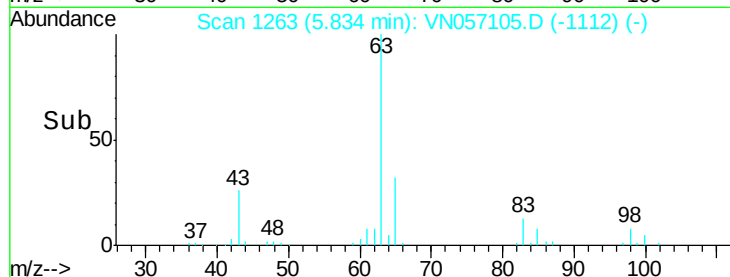
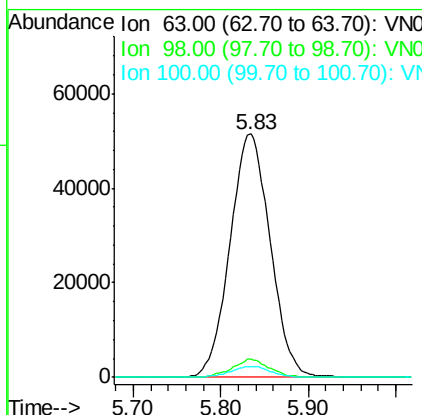
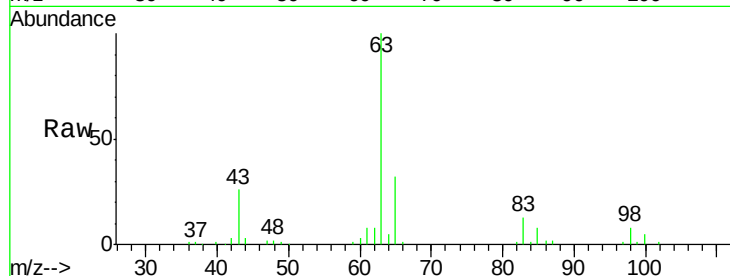
ClientSampled :

VN0806WBS02

Tot Ion	63	Resp	164205
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.1	9.3
100	4.6	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 20.292 ug/l

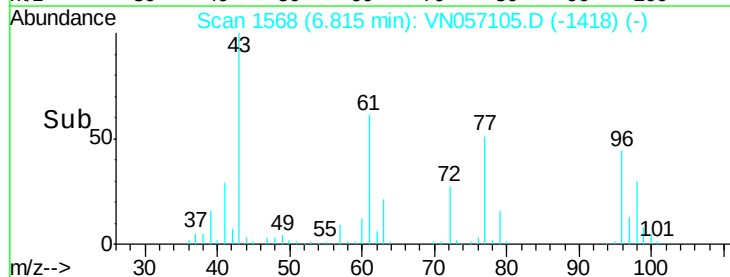
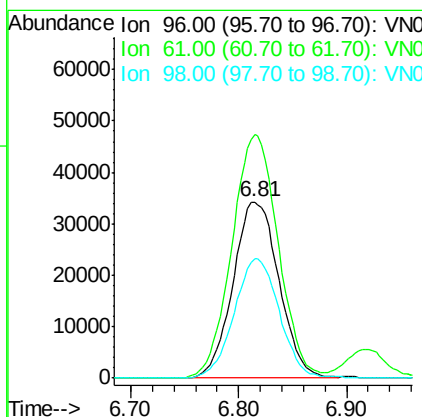
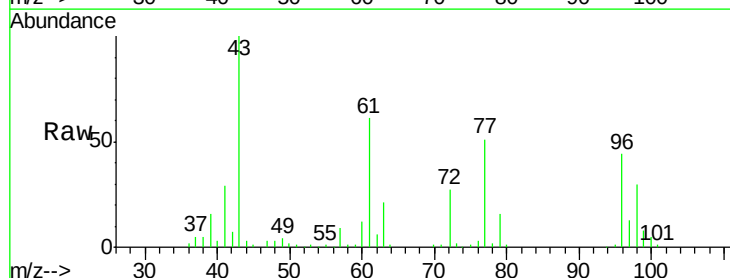
RT: 6.81 min Scan# 1568

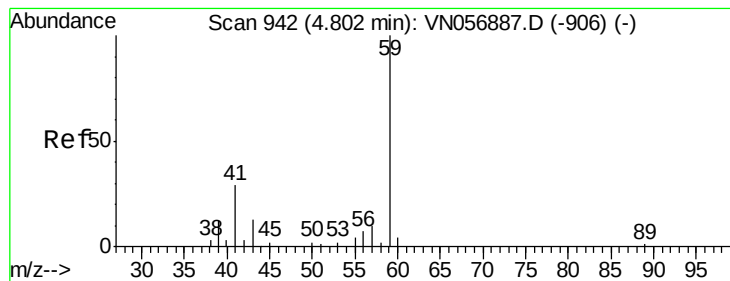
Delta R.T. -0.02 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Tgt Ion	96	Resp	101578
Ion	Ratio	Lower	Upper
96	100		
61	139.0	111.6	167.4
98	66.2	51.0	76.4





#23

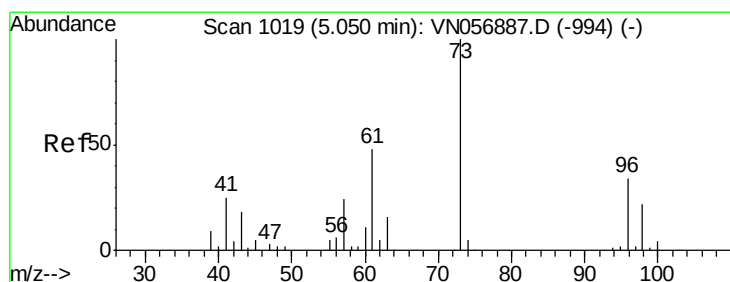
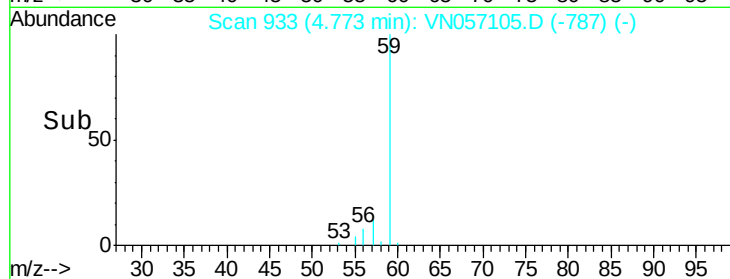
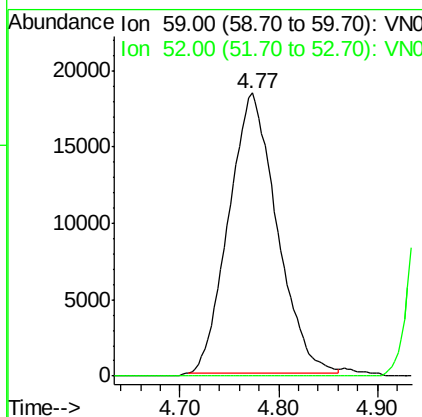
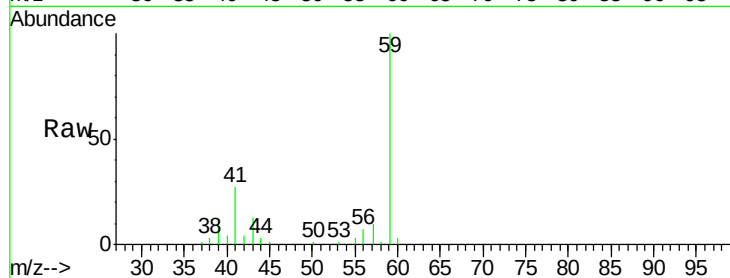
tert-Butyl Alcohol
 Concen: 96.116 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.03 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS02

Tot Ion	59	52	Ratio	100	0.0	Resp	61785	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	61785	Lower	Upper

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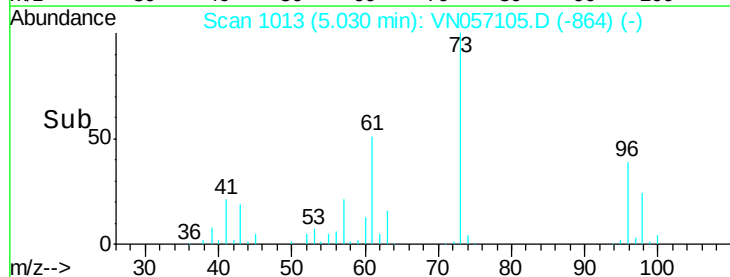
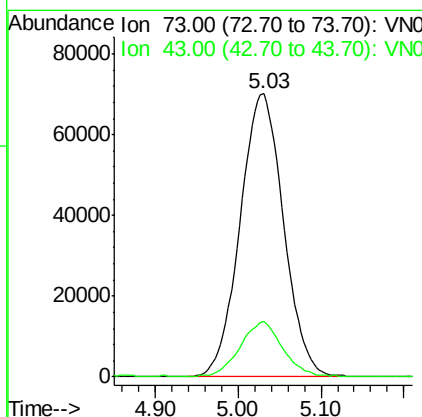
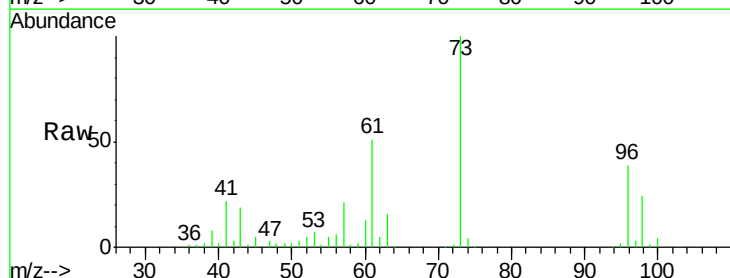
MMDadoda
 8/9/2019 12:51:38 AM

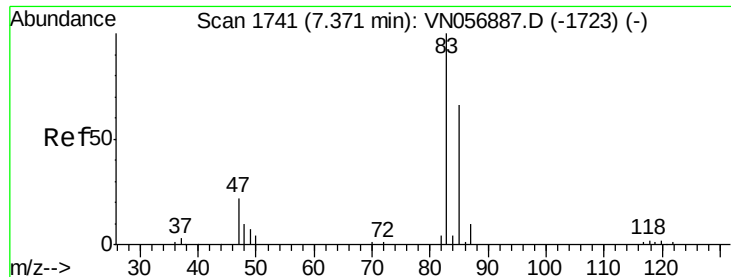


#24

Methyl tert-Butyl Ether
 Concen: 20.708 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	73	43	Ratio	100	18.4	Resp	255511	Lower	Upper
Ion	73	43	Ratio	100	18.4	Resp	255511	Lower	Upper





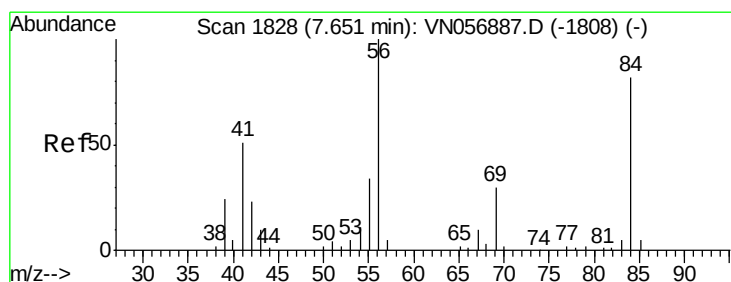
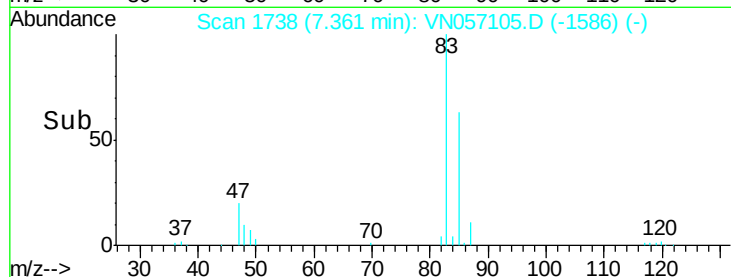
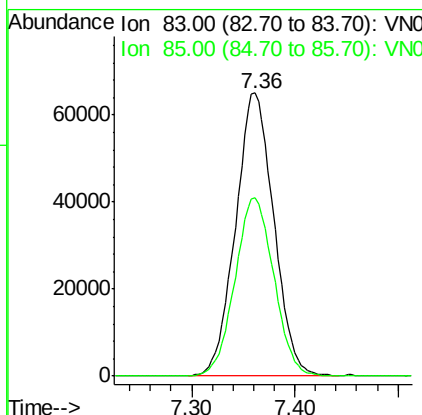
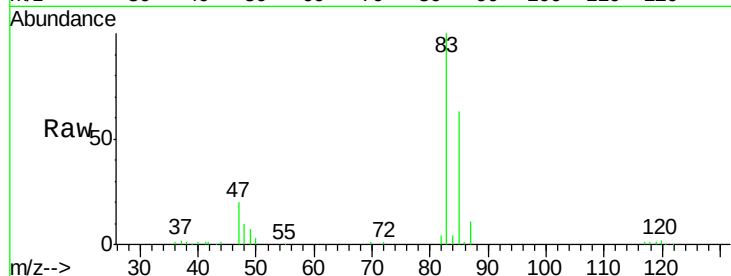
#25
Chloroform
Concen: 21.349 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion: 83 Resp: 167829
Ion Ratio Lower Upper
83 100
85 62.8 53.1 79.7

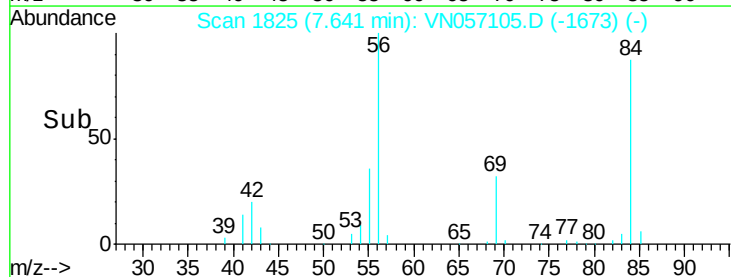
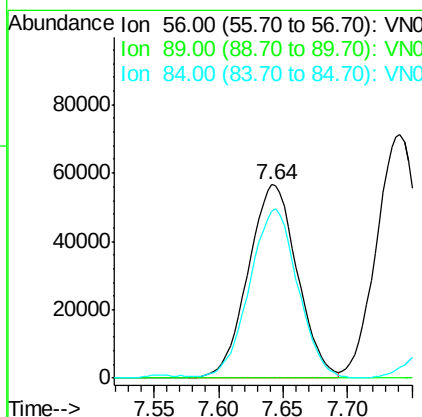
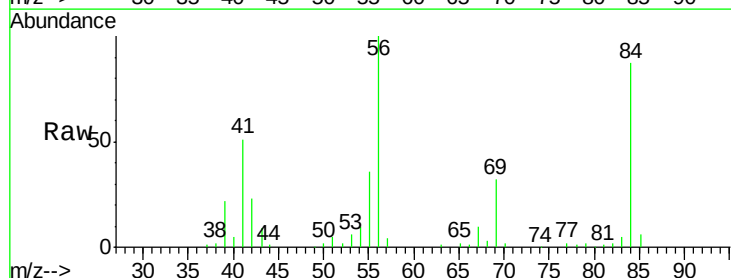
Manual Integrations
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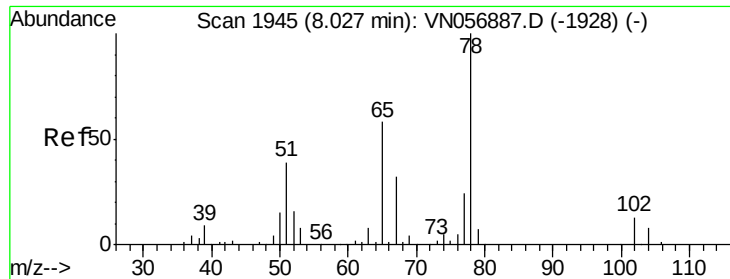
MMdadoda
8/9/2019 12:51:38 AM



#26
Cyclohexane
Concen: 20.251 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion: 56 Resp: 149909
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.3 67.8 101.6





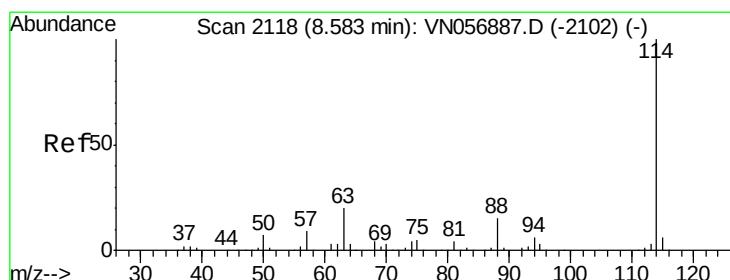
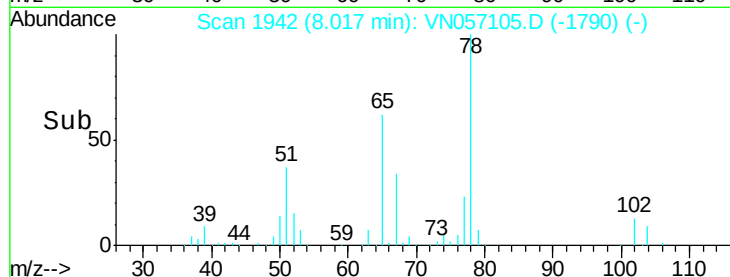
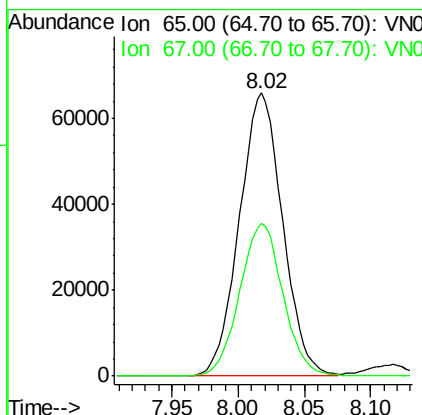
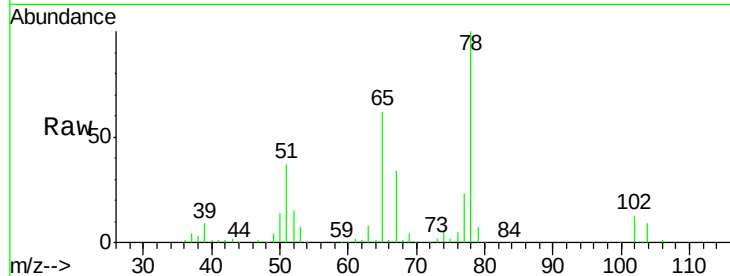
#27
 1,2-Dichloroethane-d4
 Concen: 29.912 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149645		
67	53.9	44.6	66.8	

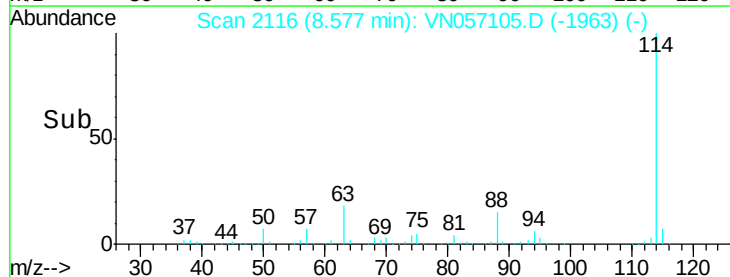
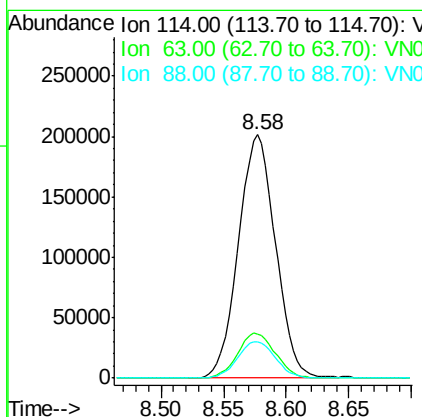
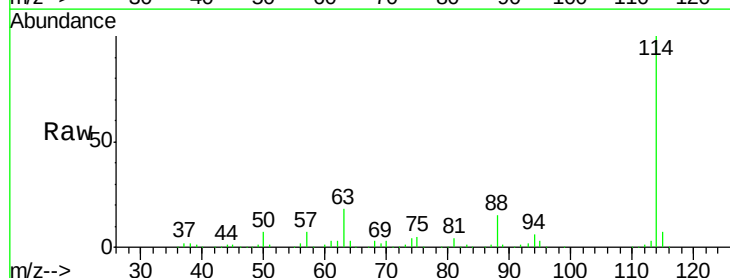
Manual Integrations
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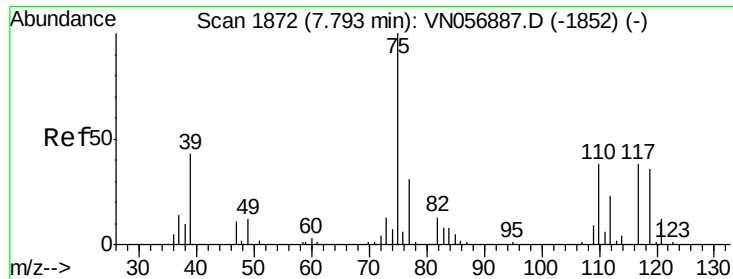
MMdadoda
 8/9/2019 12:51:38 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	414785		
63	18.7	15.8	23.6	
88	15.3	12.5	18.7	





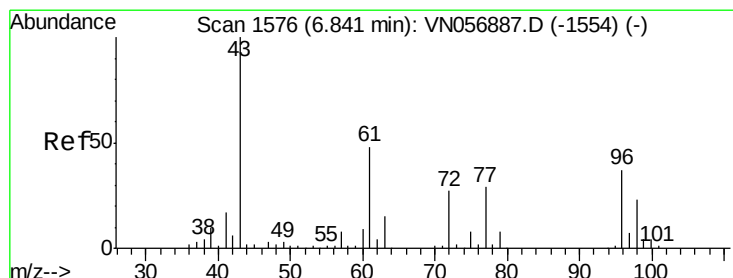
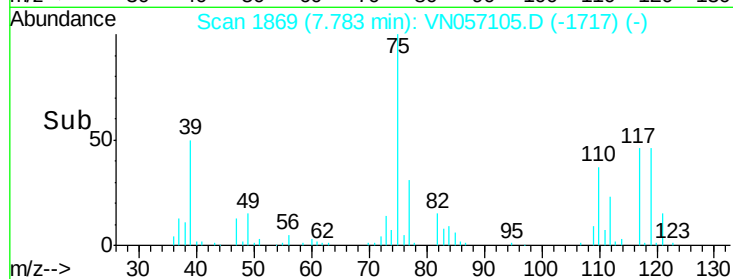
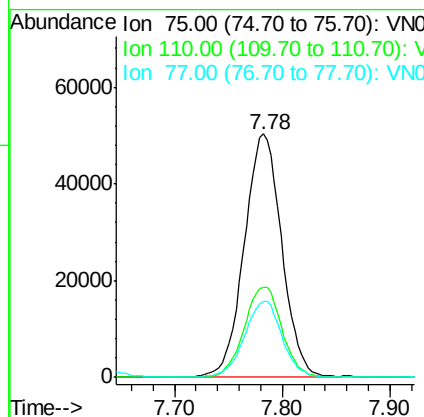
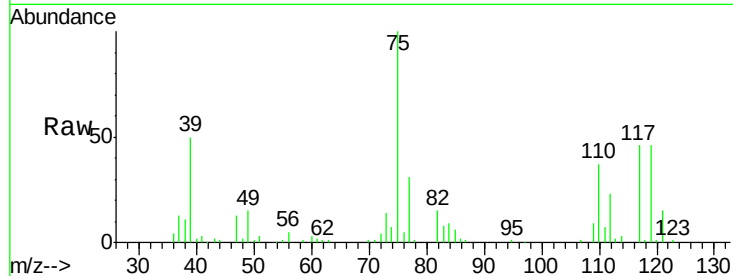
#29
 1,1-Dichloropropene
 Concen: 20.674 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.2	0.0	75.8
77	31.1	0.0	64.0

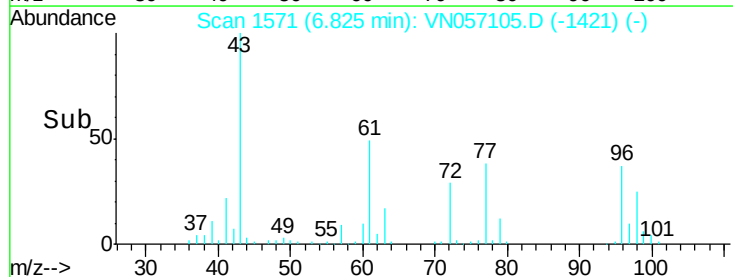
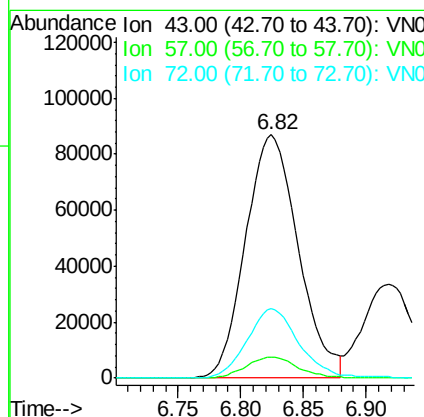
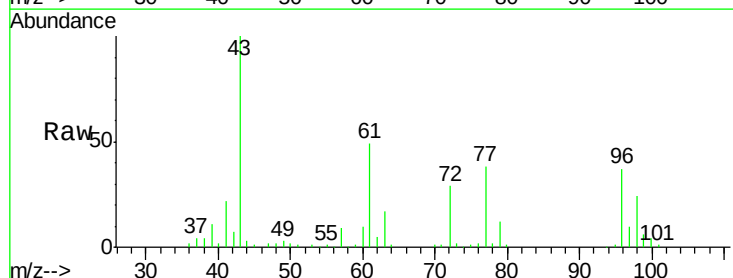
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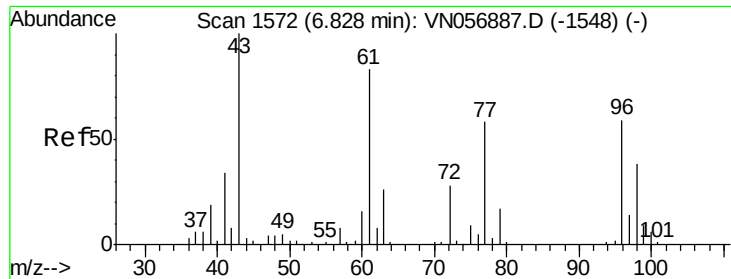
MMdadoda
 8/9/2019 12:51:38 AM



#30
 2-Butanone
 Concen: 107.020 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.5	9.7
72	28.2	22.1	33.1





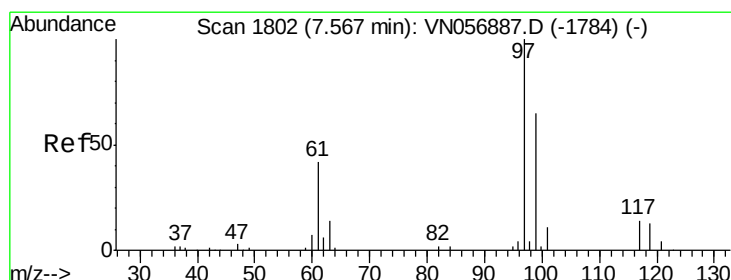
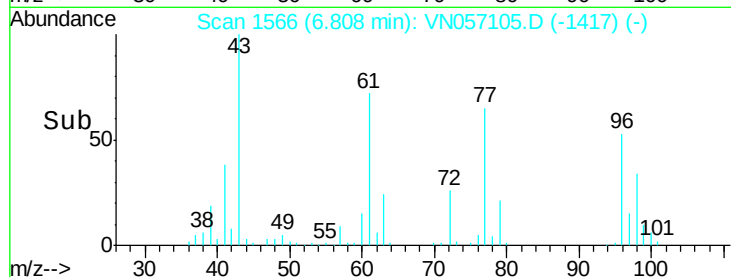
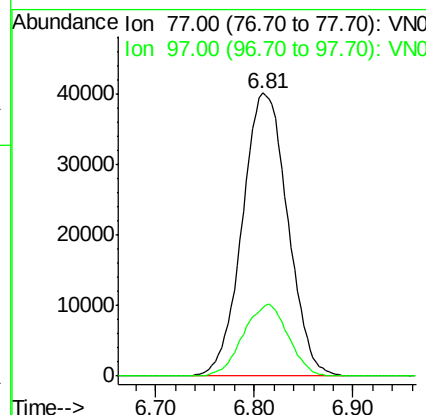
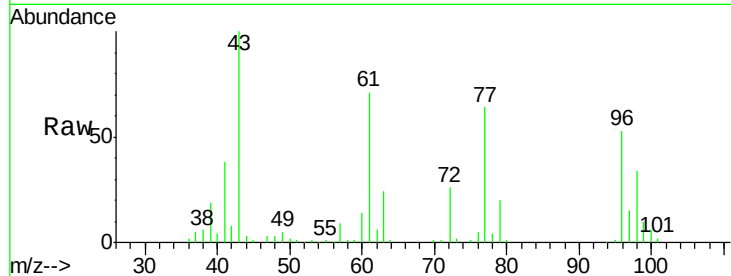
#31
 2,2-Dichloropropane
 Concen: 23.421 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS02

Tot Ion: 77 Resp: 127931
 Ion Ratio Lower Upper
 77 100
 97 25.1 19.3 28.9

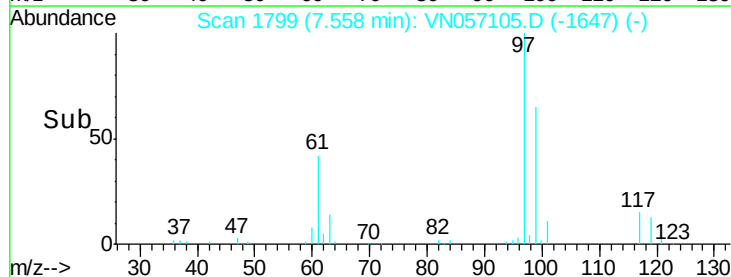
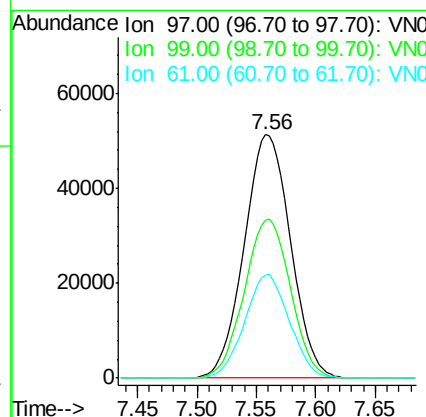
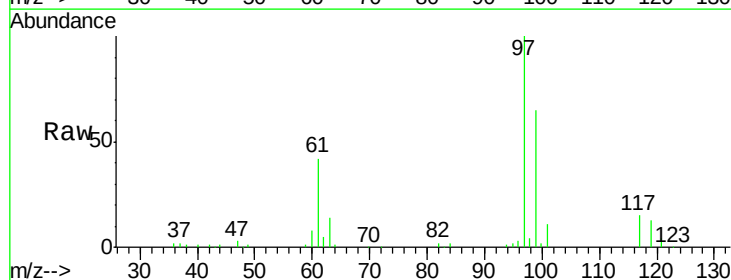
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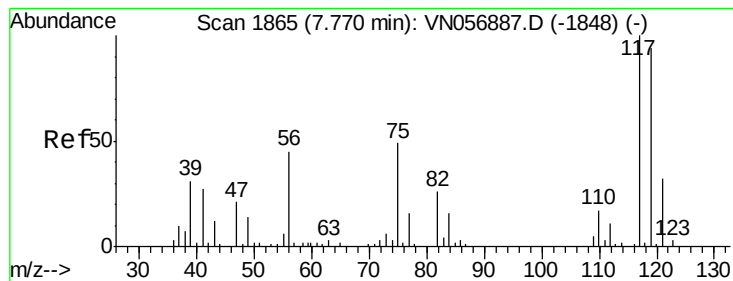
MMdadoda
 8/9/2019 12:51:38 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.407 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 97 Resp: 138450
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.3 78.5
 61 41.1 34.4 51.6





#33

Carbon Tetrachloride

Concen: 21.041 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

Tot Ion:117 Resp: 118774

Ion Ratio Lower Upper

117 100

119 96.5 75.1 112.7

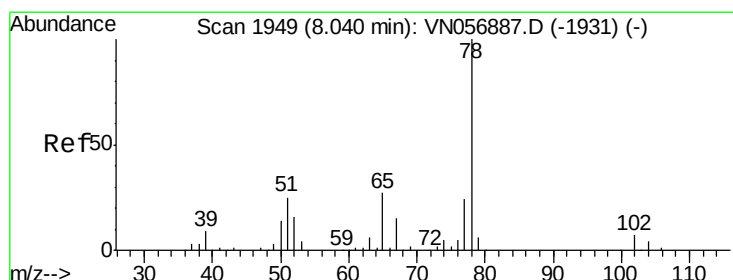
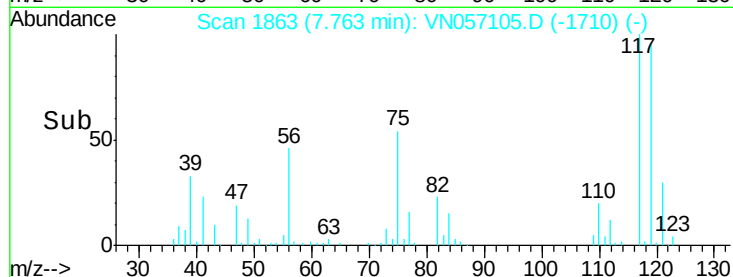
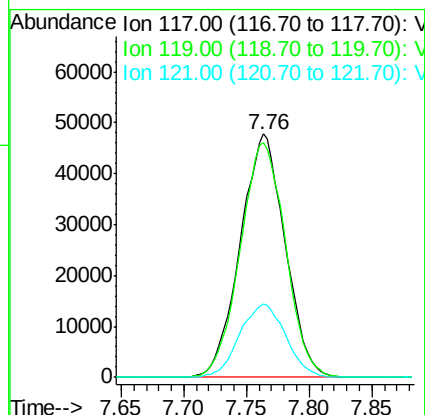
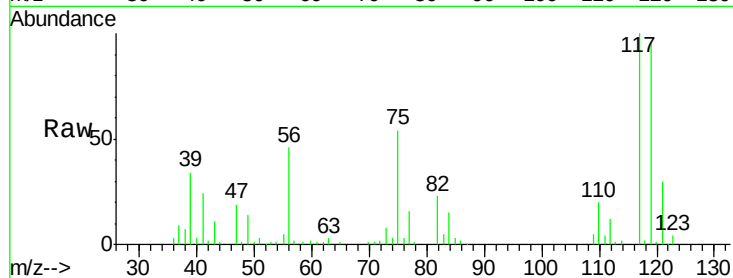
121 30.3 25.8 38.8

Manual Integrations

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#34

Benzene

Concen: 20.481 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

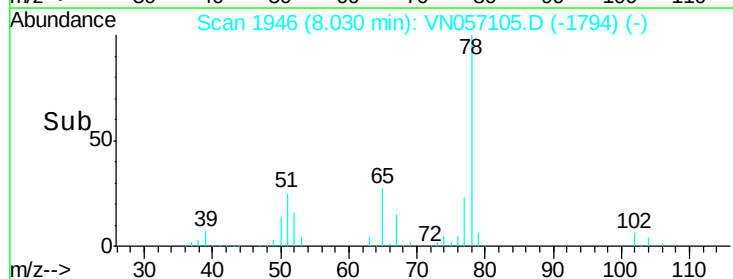
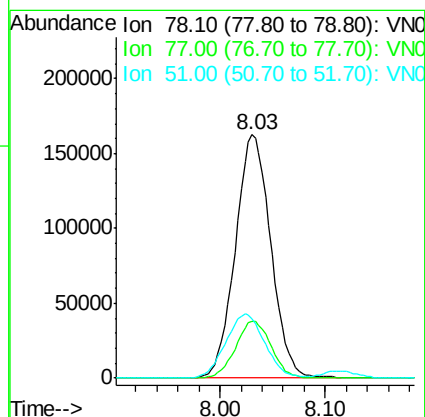
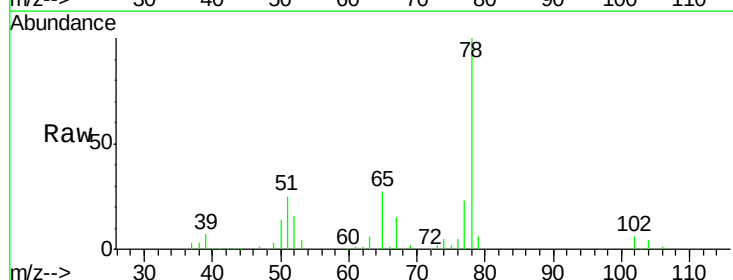
Tgt Ion: 78 Resp: 379851

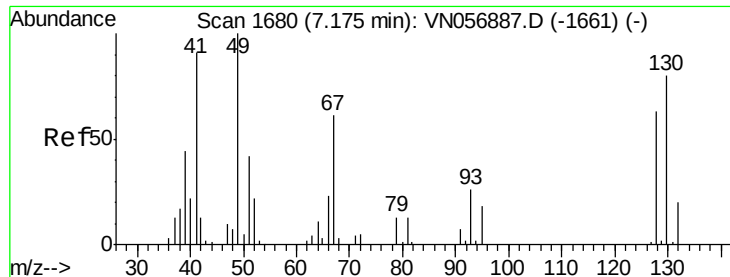
Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.2

51 24.3 20.4 30.6





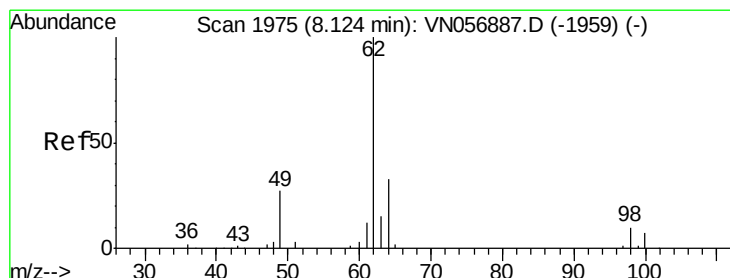
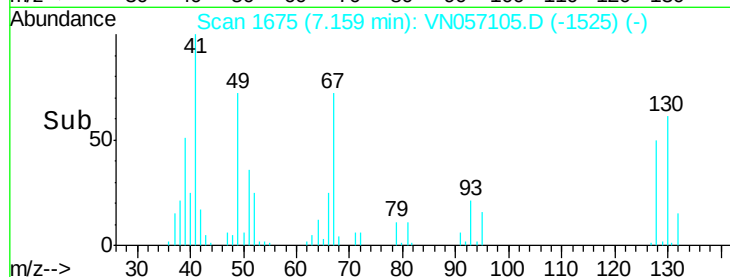
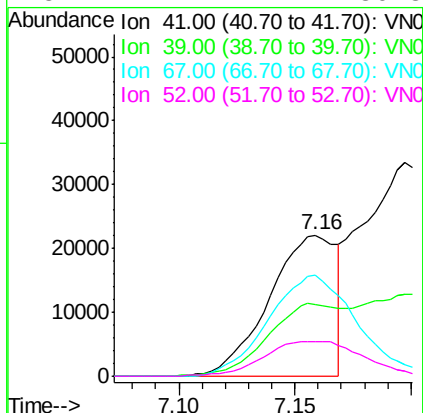
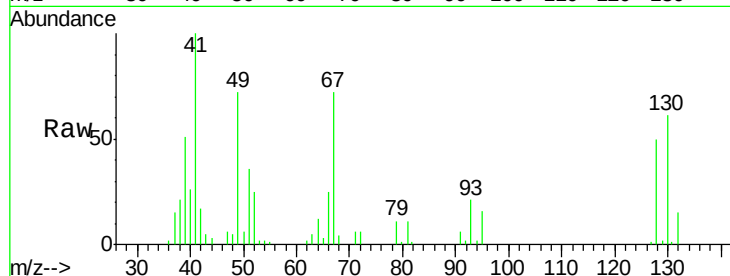
#35
Methacrylonitrile
Concen: 18.864 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.02 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.2	24.4	73.2	
67	71.7	33.4	100.1	
52	24.1	12.1	36.3	

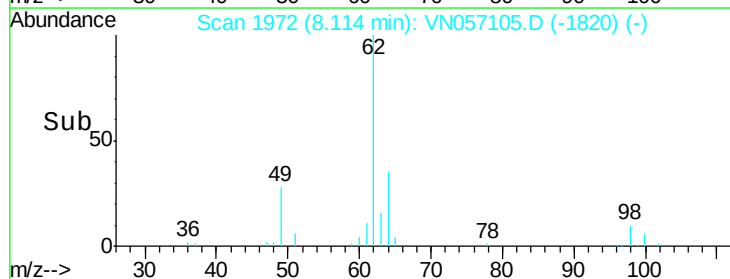
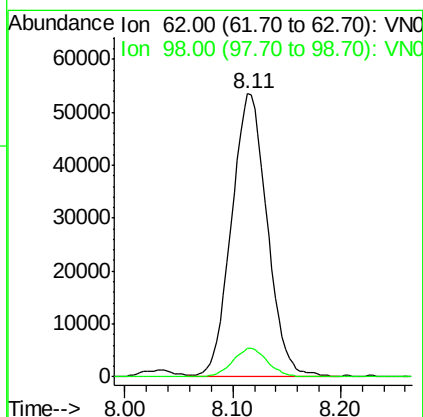
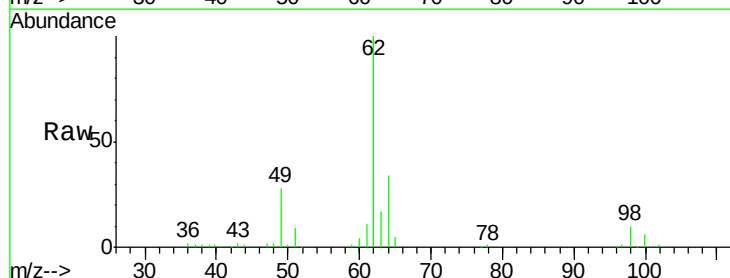
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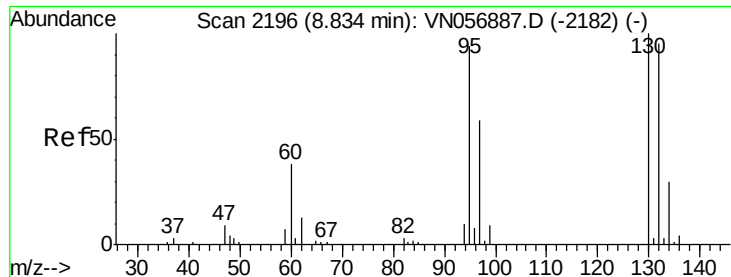
MMDadoda
8/9/2019 12:51:38 AM



#36
1,2-Dichloroethane
Concen: 21.226 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	7.7	11.5	





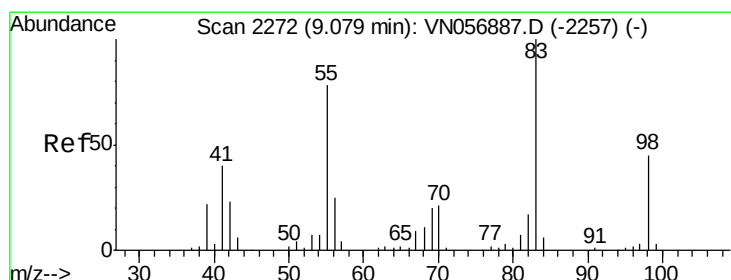
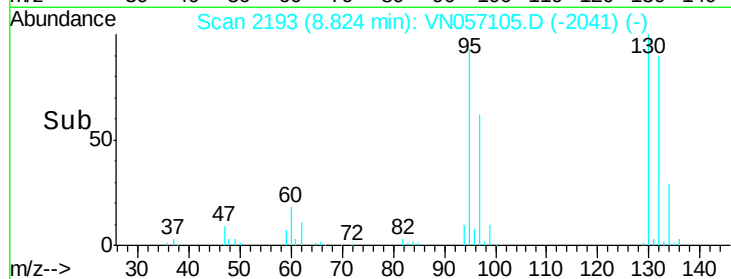
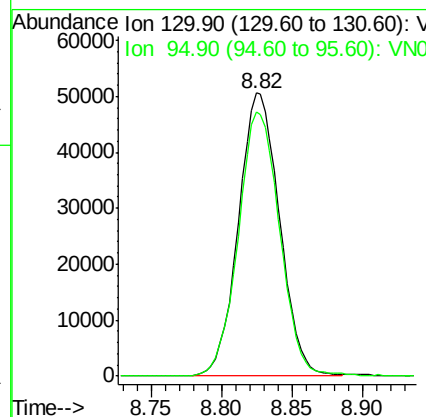
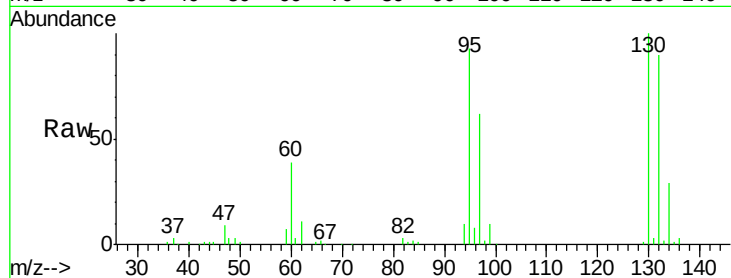
#37
 Trichloroethene
 Concen: 20.768 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
130	100	103263		
95	93.4	74.9	112.3	

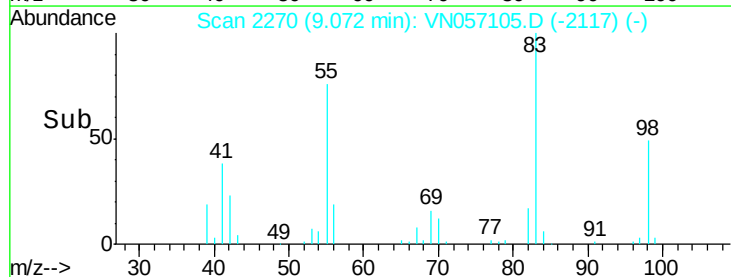
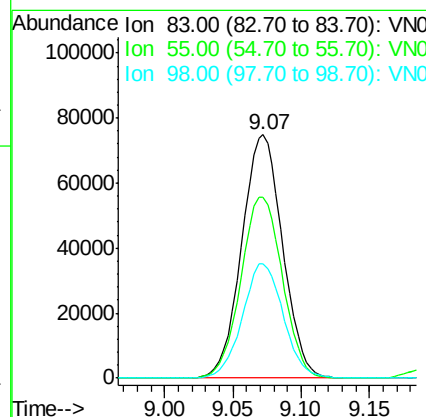
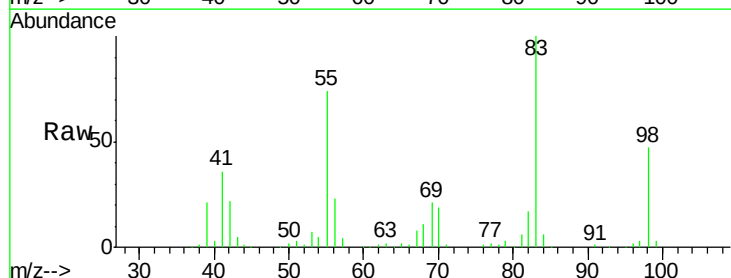
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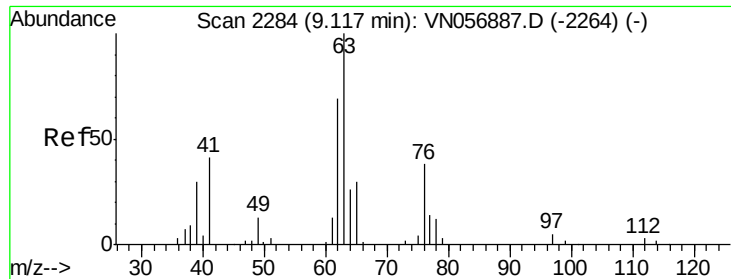
MMdadoda
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#38
 Methylcyclohexane
 Concen: 20.776 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	155561		
55	75.8	38.4	115.1	
98	47.0	22.7	68.0	





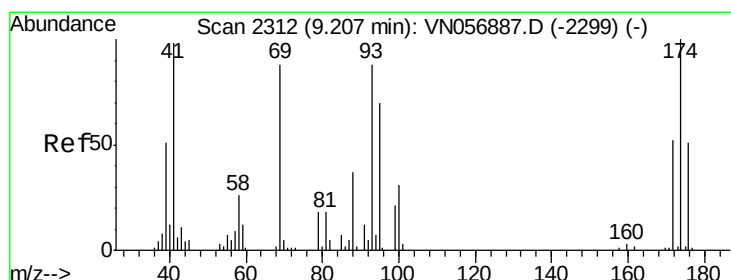
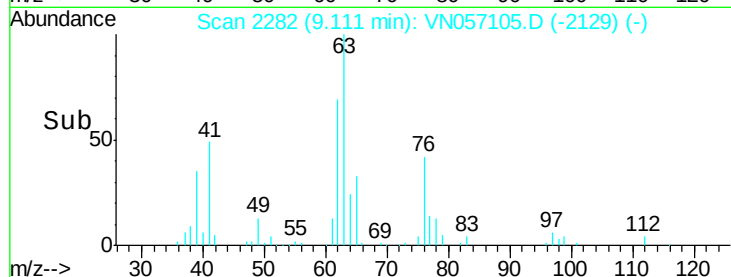
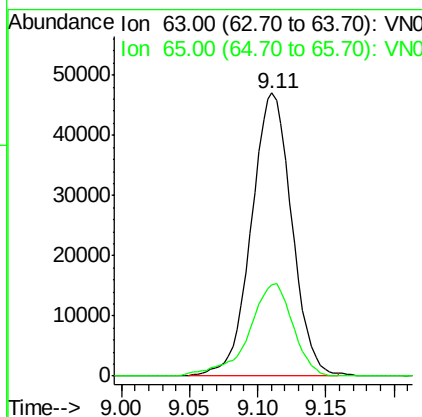
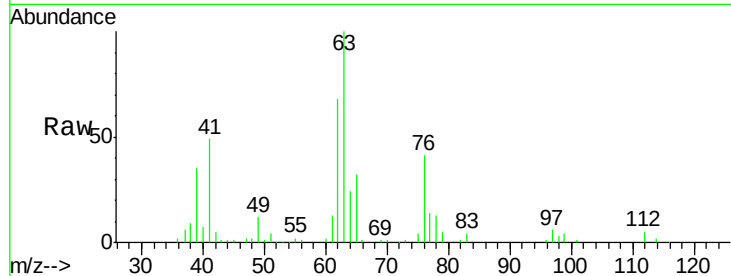
#39
 1,2-Dichloropropane
 Concen: 19.533 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS02

Tot Ion: 63 Resp: 96699
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.6 36.8

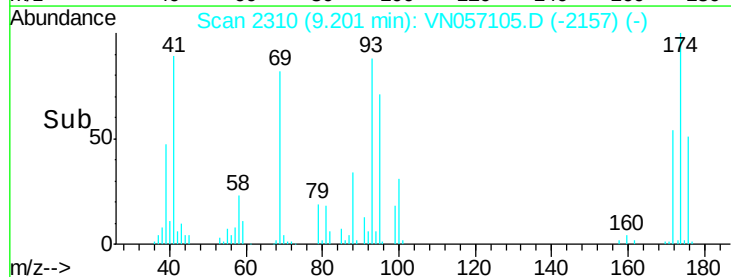
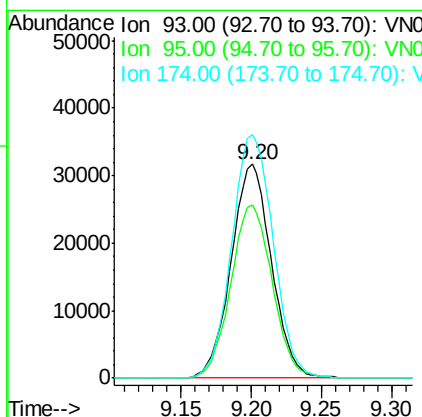
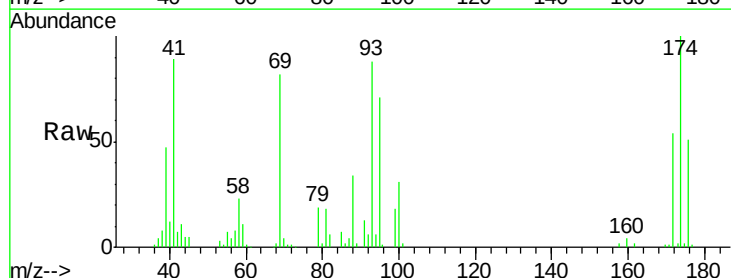
Manual Integrations
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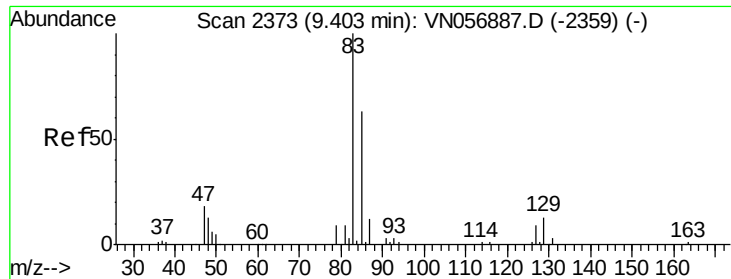
MMdadoda
 8/9/2019 12:51:38 AM



#40
 Dibromomethane
 Concen: 20.925 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion: 93 Resp: 63550
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 165.8
 174 117.3 0.0 232.4





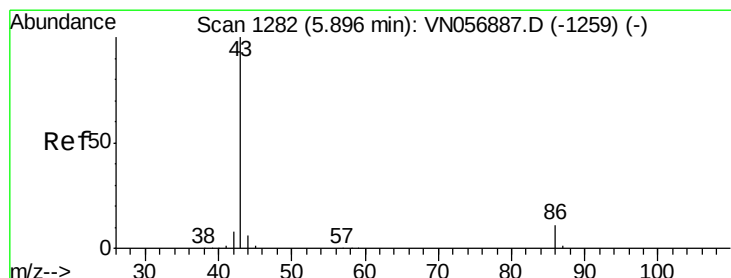
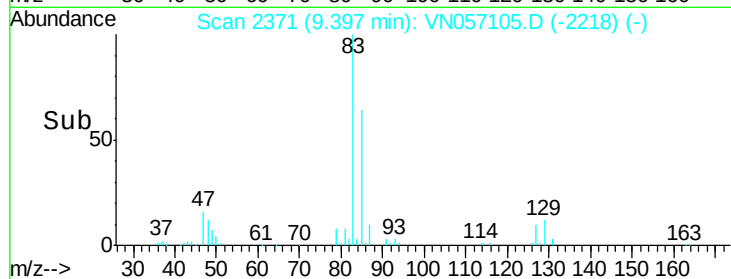
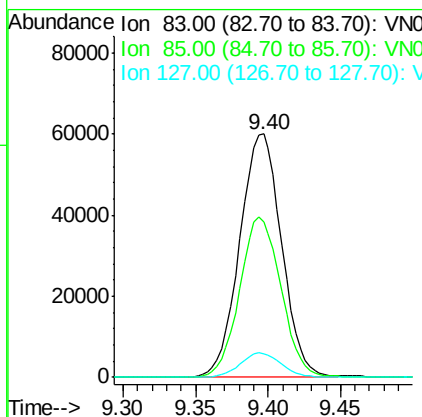
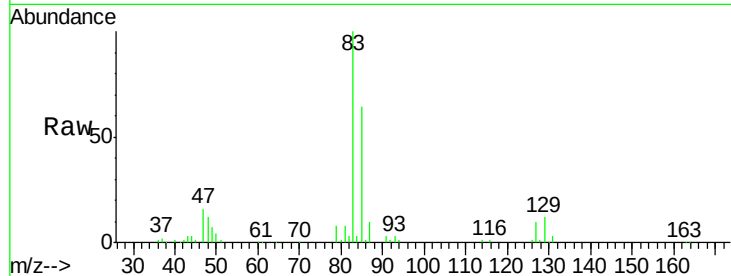
#41
Bromodichloromethane
Concen: 20.652 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion:	83	Resp:	120521
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.6	75.8
127	10.6	7.2	10.8

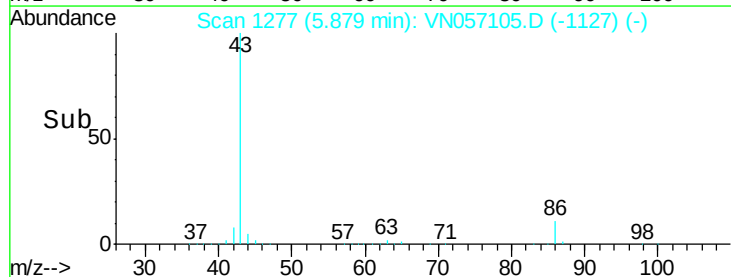
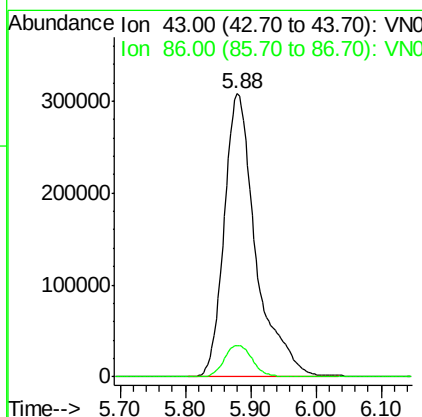
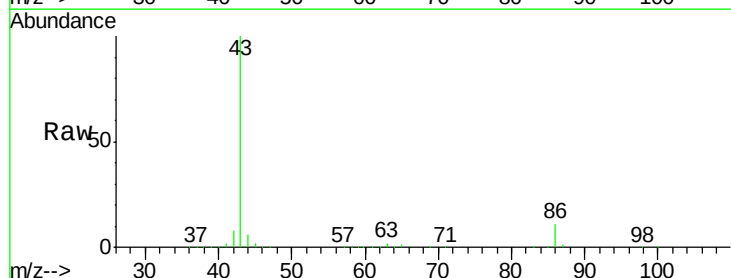
Manual Integrations
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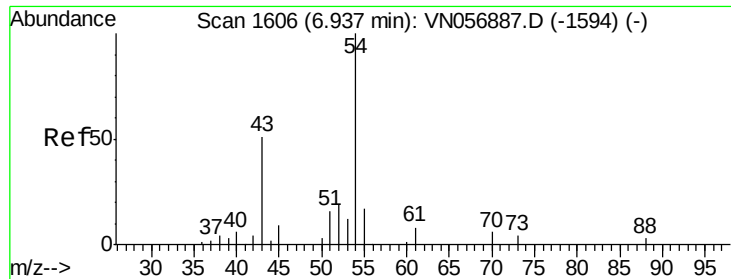
MMdadoda
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#42
Vinyl Acetate
Concen: 98.713 ug/l
RT: 5.88 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion:	43	Resp:	1039593
Ion Ratio	Lower	Upper	
43	100		
86	9.9	7.4	11.2





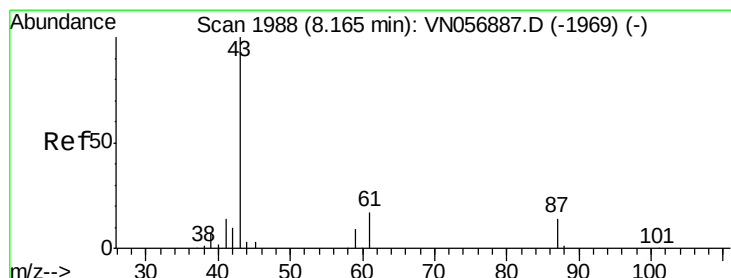
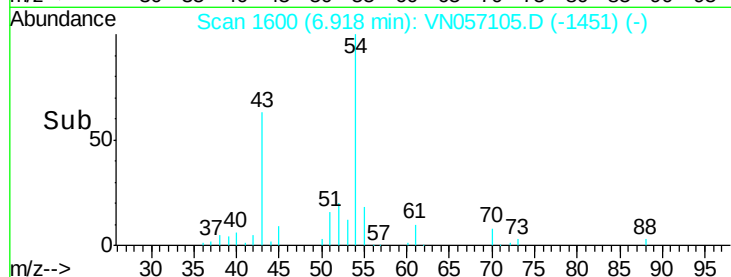
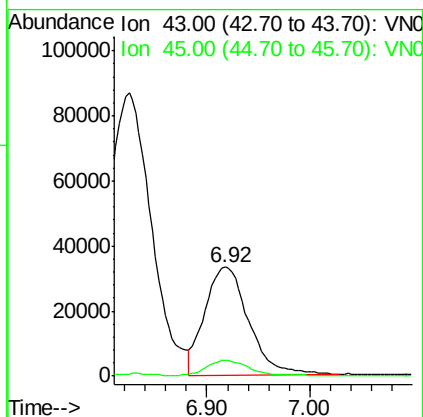
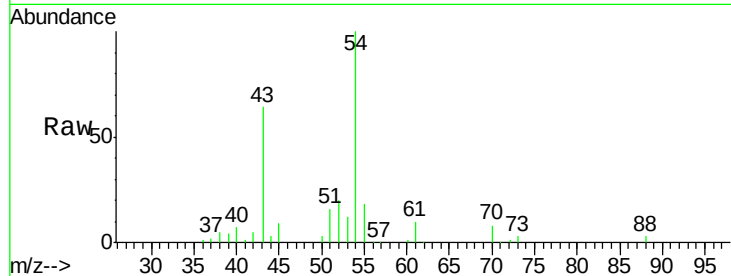
#43
Ethyl Acetate
Concen: 20.061 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	43	45	Ratio	Lower	Upper
97256	100	13.1		10.2	15.2

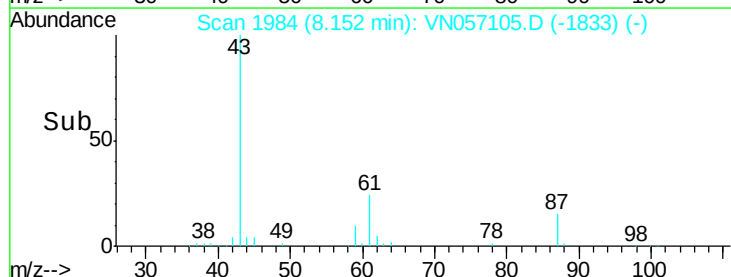
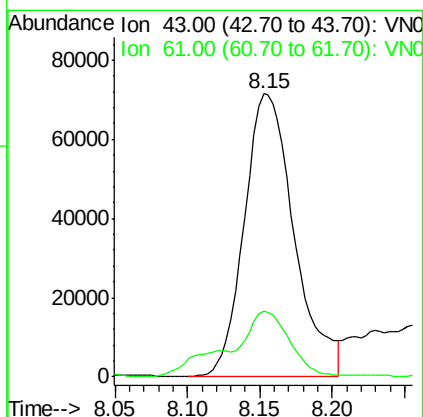
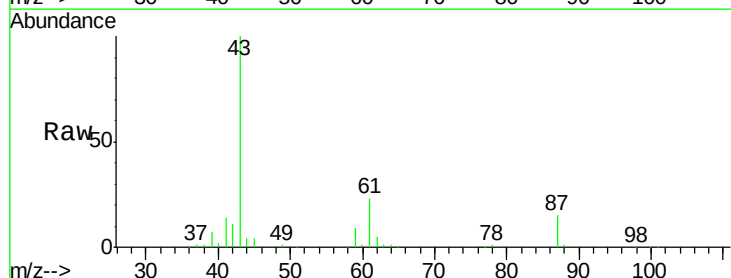
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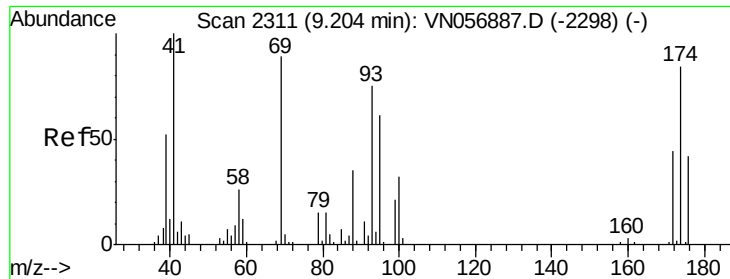
MMdadoda
8/9/2019 12:51:38 AM



#44
Isopropyl Acetate
Concen: 21.164 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	43	61	Ratio	Lower	Upper
171021	100	19.2		23.0	34.4#





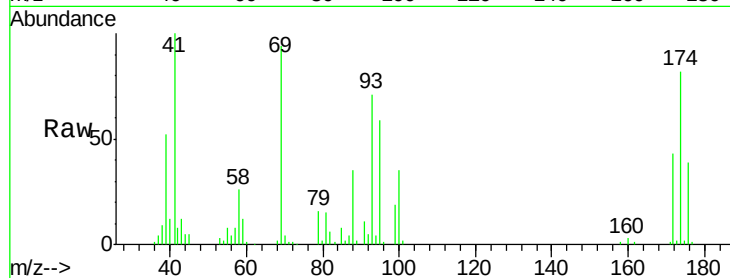
#45
 1,4-Dioxane
 Concen: 414.201 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

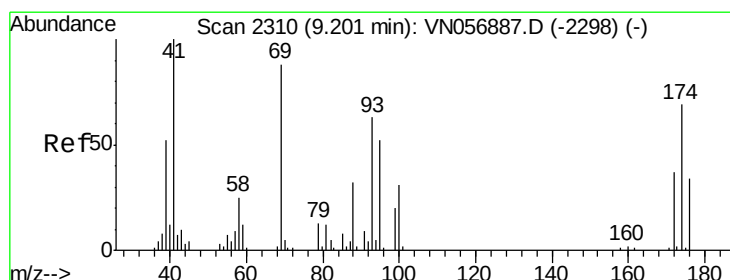
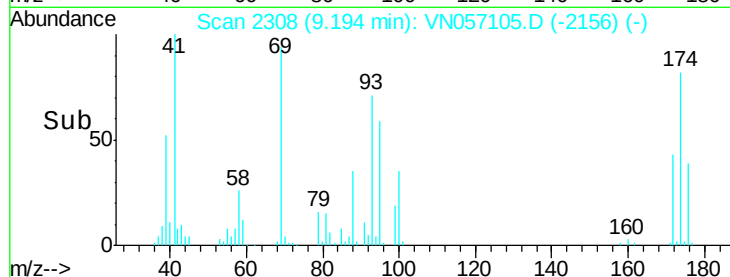
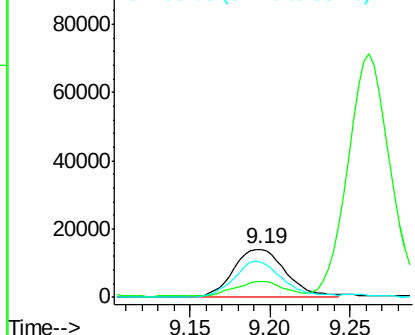
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.4	35.0
58	69.5	58.5	87.7

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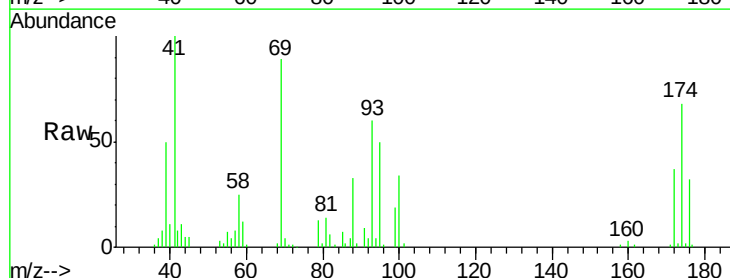


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

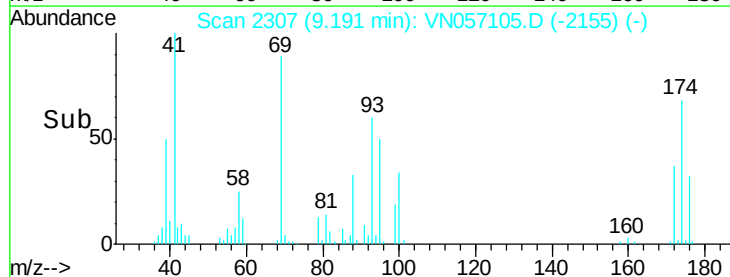
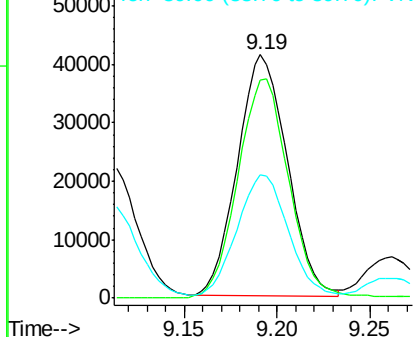


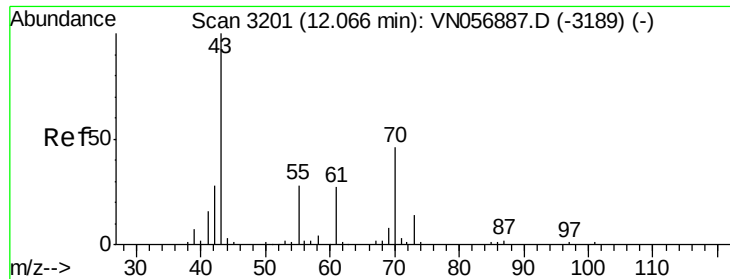
#46
 Methyl methacrylate
 Concen: 19.066 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.9	44.0	132.0
39	49.6	25.8	77.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 17.774 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

Tot Ion: 43 Resp: 114981

Ion Ratio Lower Upper

43 100

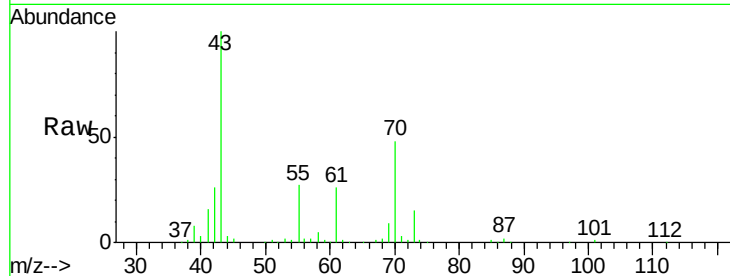
55 27.9 21.3 31.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

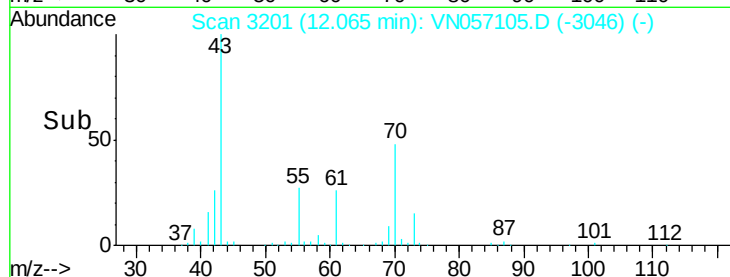
60000

40000

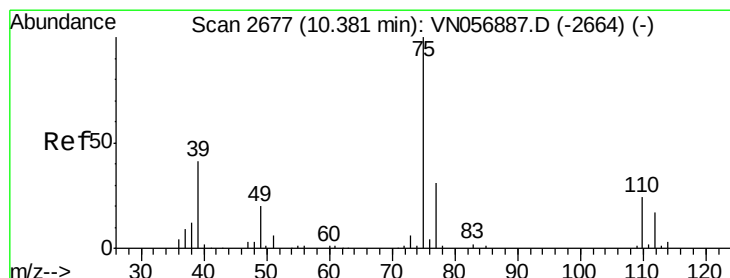
20000

0

Time-->



Time-->



#48

t-1,3-Dichloropropene

Concen: 20.376 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN057105.D

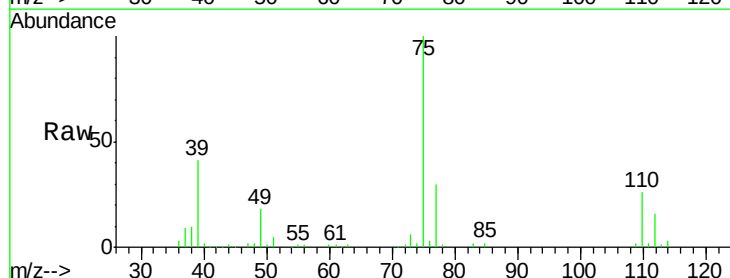
Acq: 6 Aug 2019 16:03

Tgt Ion: 75 Resp: 123738

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.37

80000

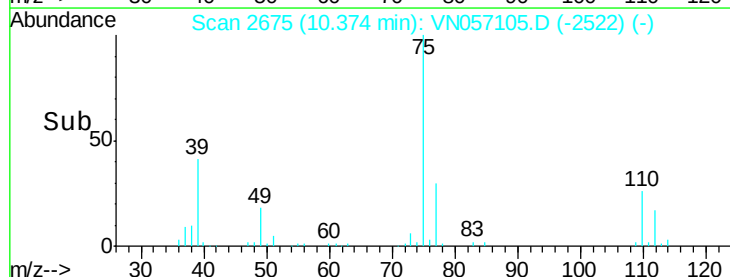
60000

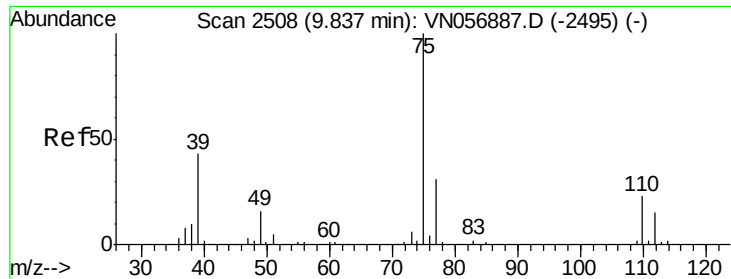
40000

20000

0

Time-->





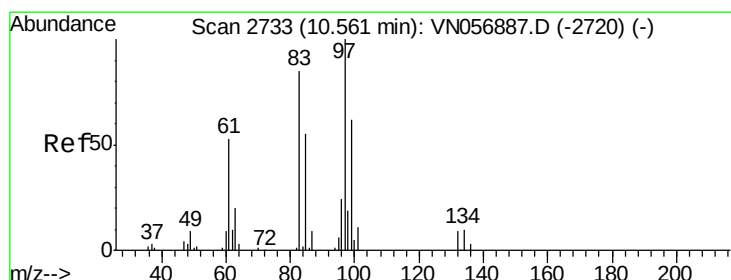
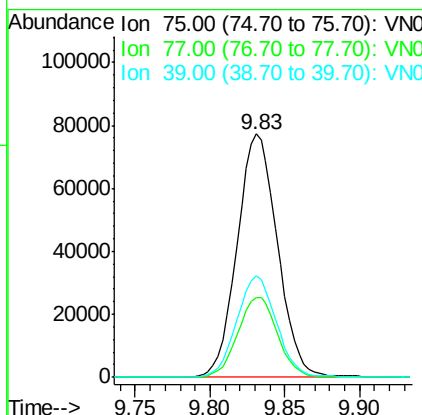
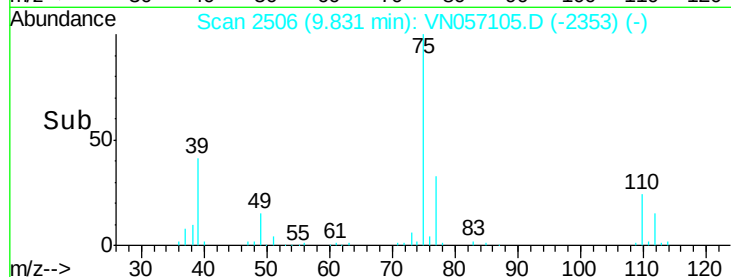
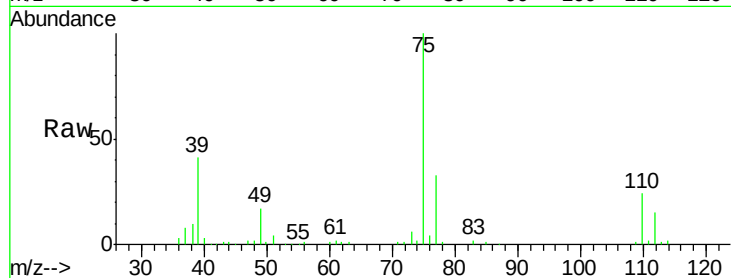
#49
 cis-1,3-Dichloropropene
 Concen: 20.480 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.9	24.4	36.6	
39	41.5	34.2	51.4	

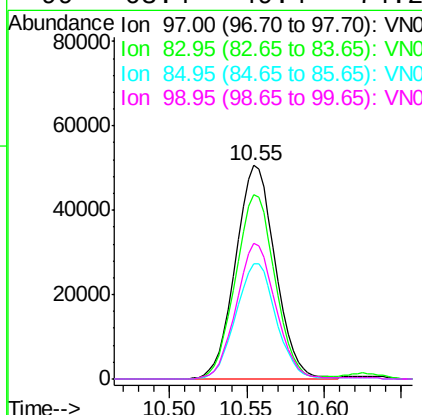
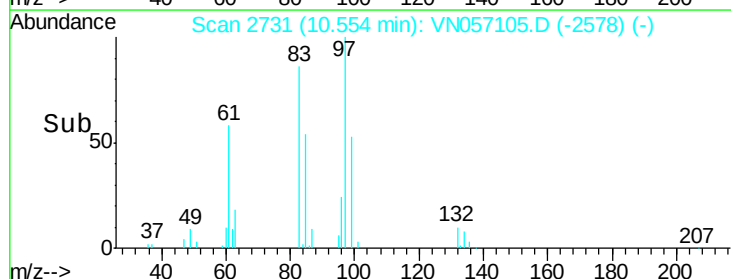
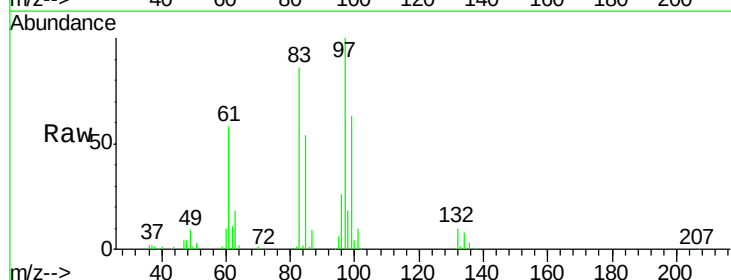
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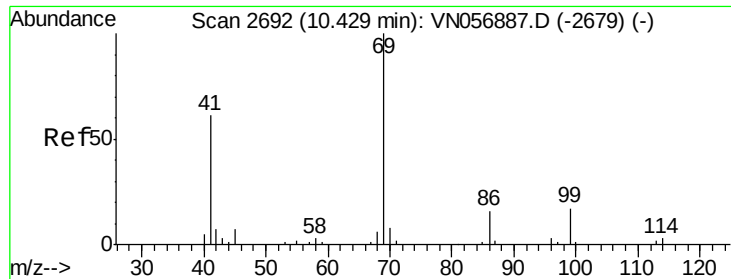
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#50
 1,1,2-Trichloroethane
 Concen: 20.801 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	86.2	68.4	102.6	
85	54.0	44.3	66.5	
99	63.4	49.4	74.2	





#51

Ethyl methacrylate

Concen: 19.729 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

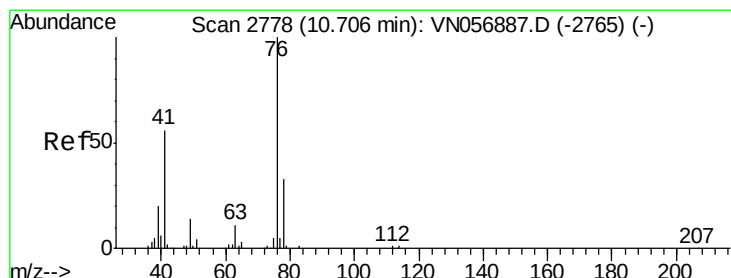
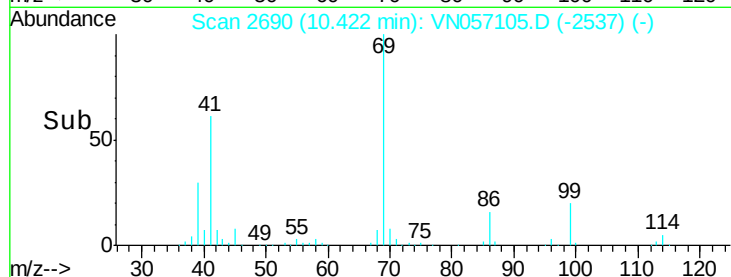
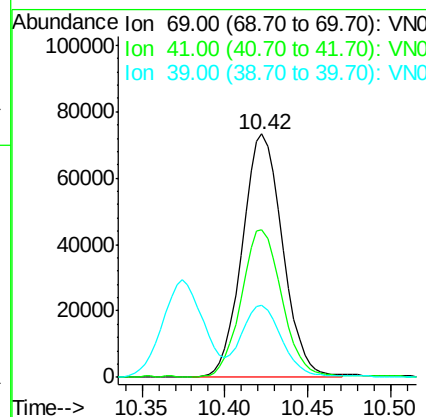
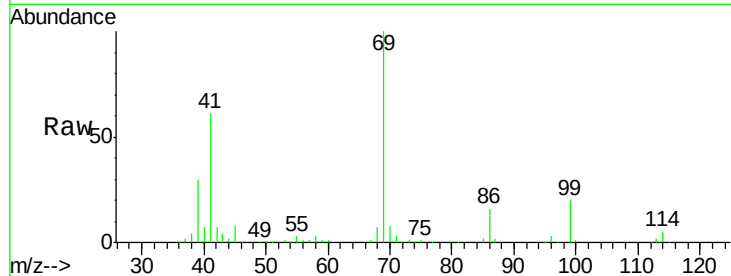
ClientSampled :

VN0806WBS02

Tot Ion:	69	Resp:	124430
Ion Ratio	Lower	Upper	
69	100		
41	60.5	30.4	91.3
39	29.2	14.2	42.6

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#52

1,3-Dichloropropane

Concen: 20.641 ug/l

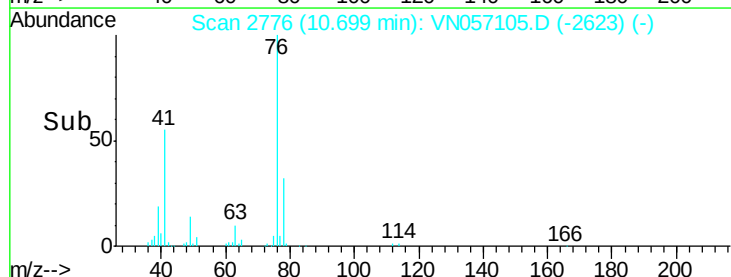
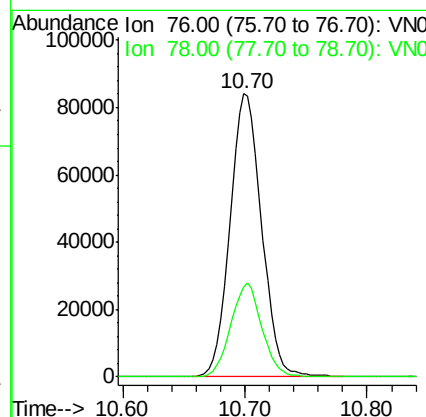
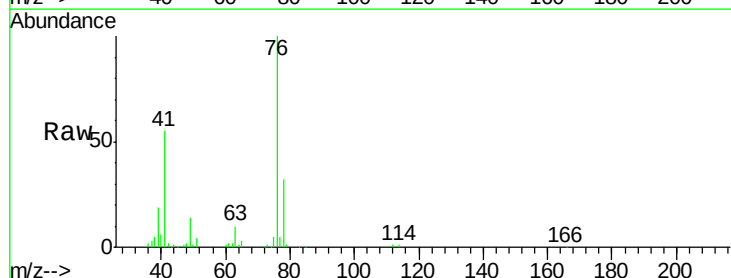
RT: 10.70 min Scan# 2776

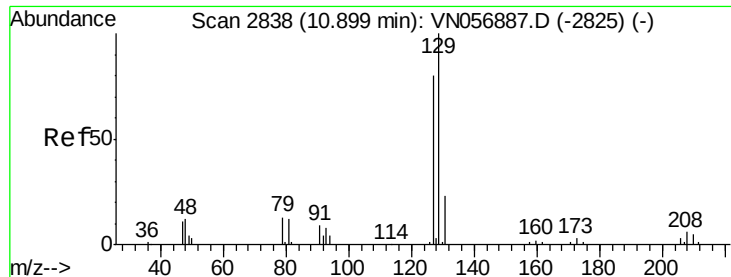
Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Tgt Ion:	76	Resp:	151898
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	64.2





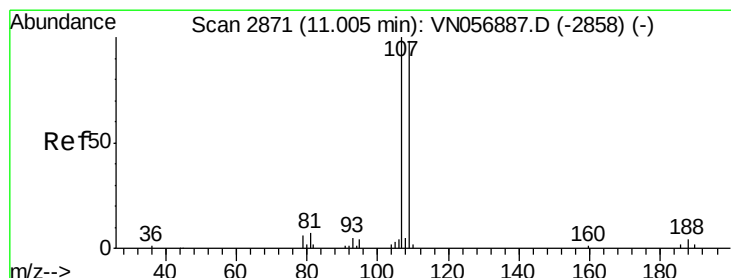
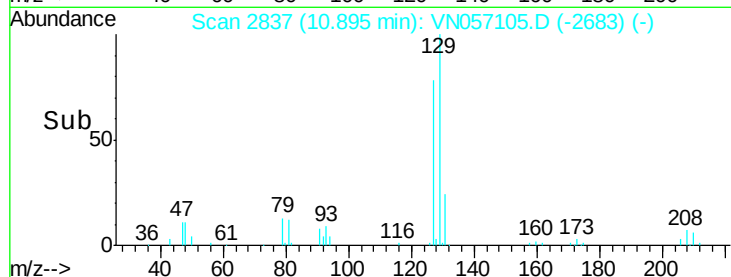
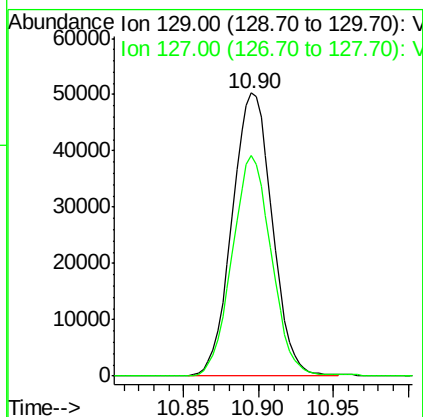
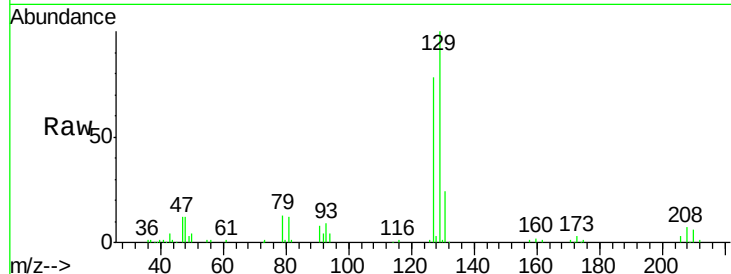
#53
Dibromochloromethane
Concen: 20.754 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.8	116.4

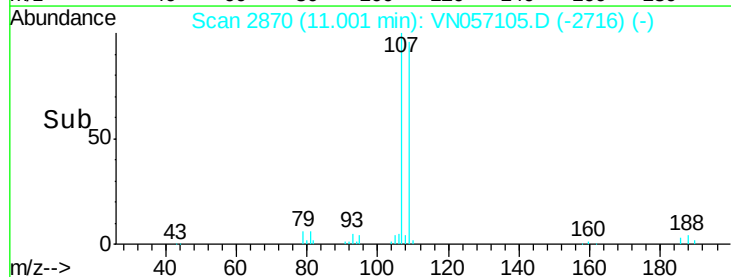
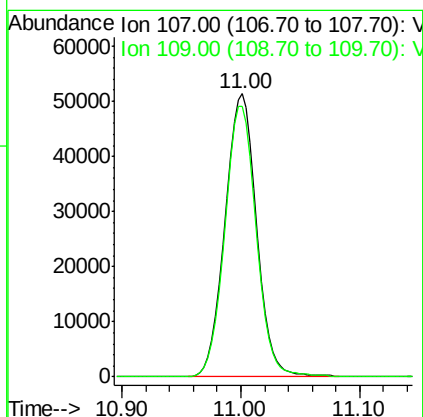
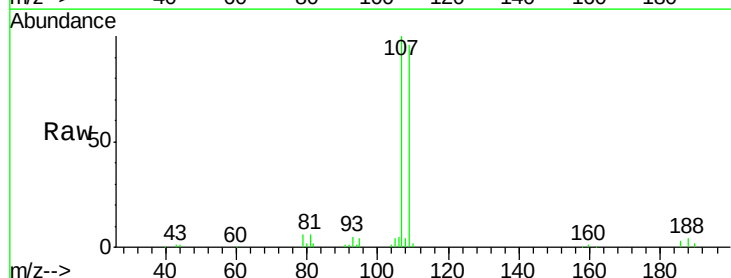
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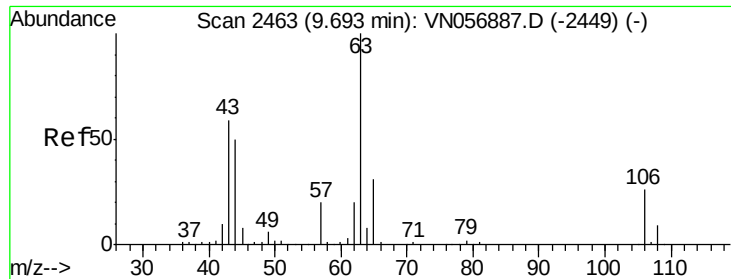
MMDadoda
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#54
1,2-Dibromoethane
Concen: 21.196 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.7	76.2	114.2





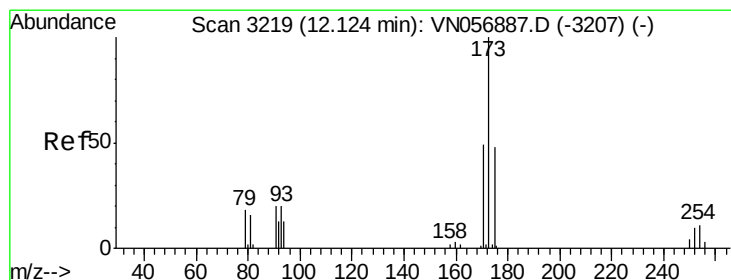
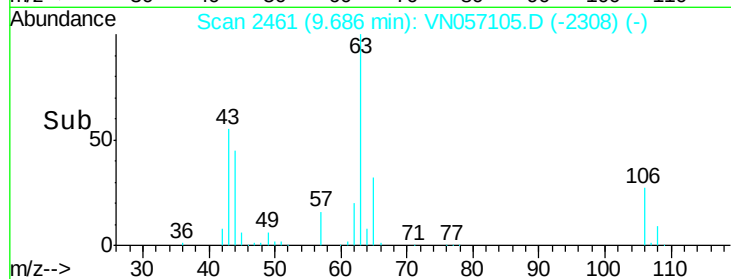
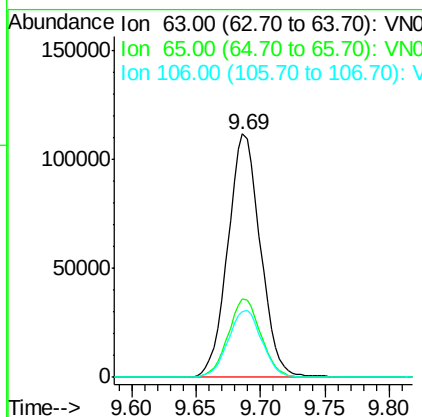
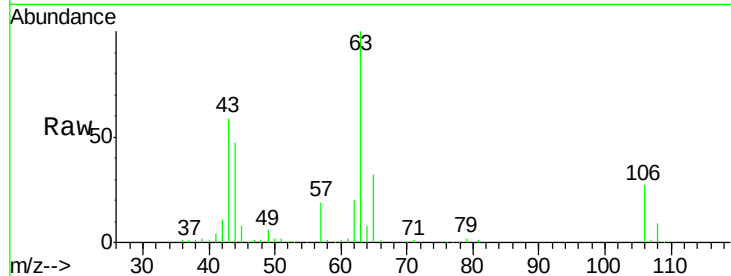
#55
2-Chloroethyl vinyl ether
Concen: 71.737 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.1	37.7
106	28.4	21.5	32.3

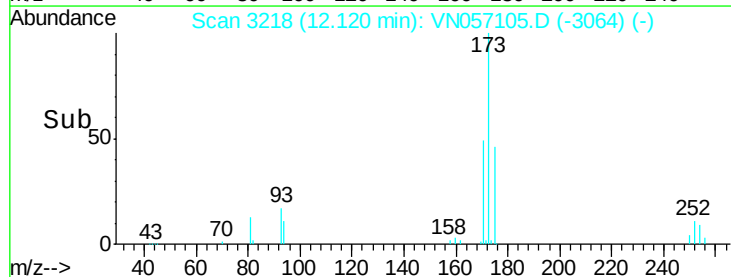
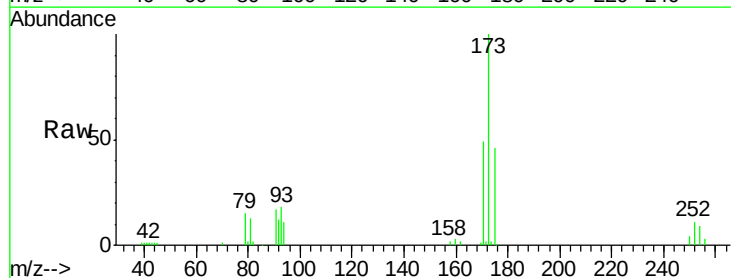
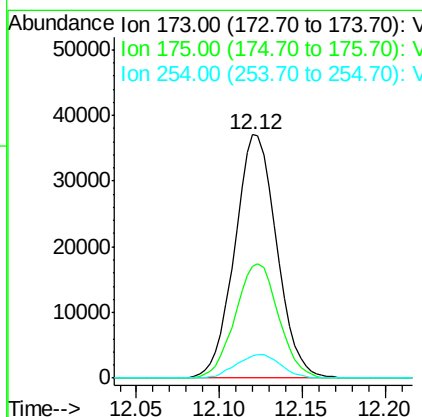
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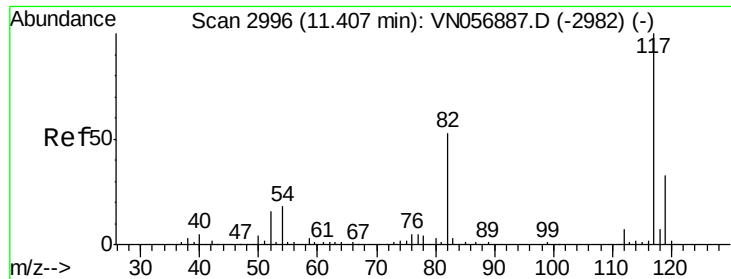
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#56
Bromoform
Concen: 20.840 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.8	58.2
254	10.2	8.1	12.1





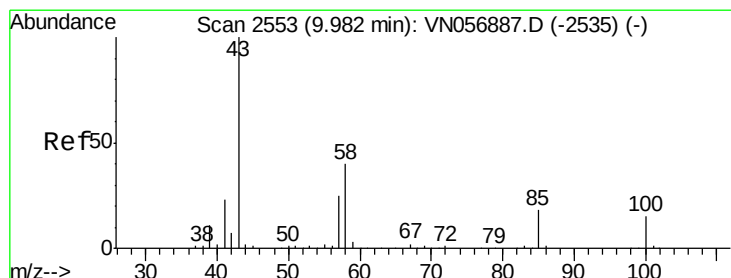
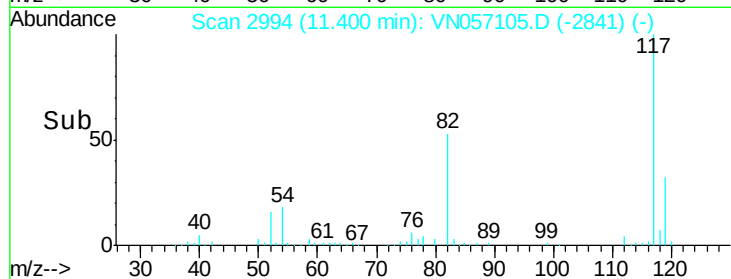
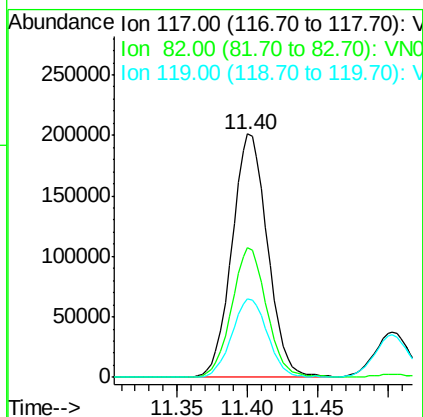
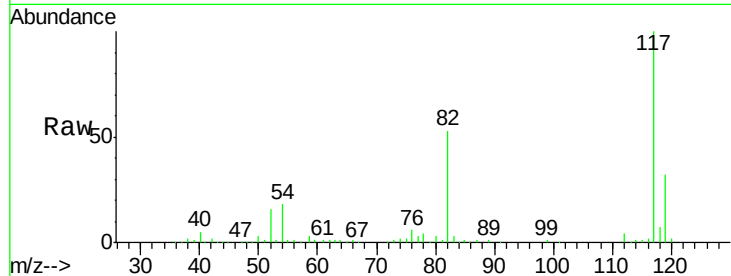
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.0	64.4
119	32.4	26.2	39.2

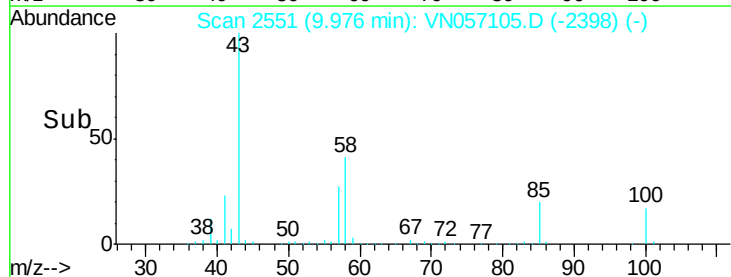
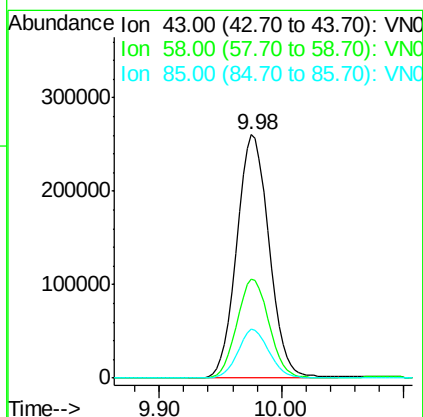
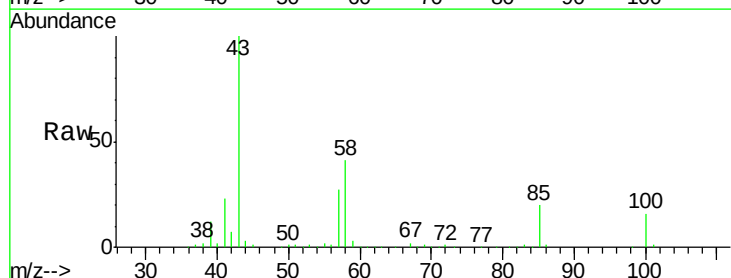
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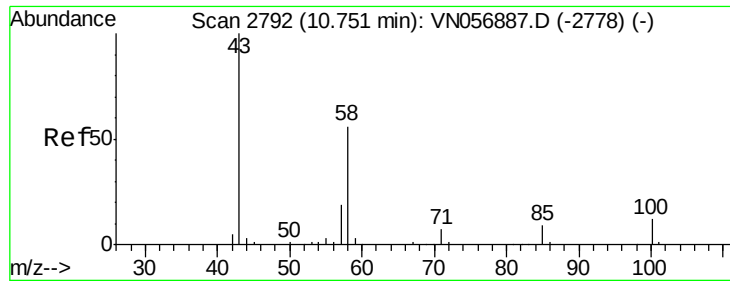
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#58
4-Methyl-2-Pentanone
Concen: 100.064 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	31.7	47.5
85	19.5	14.5	21.7





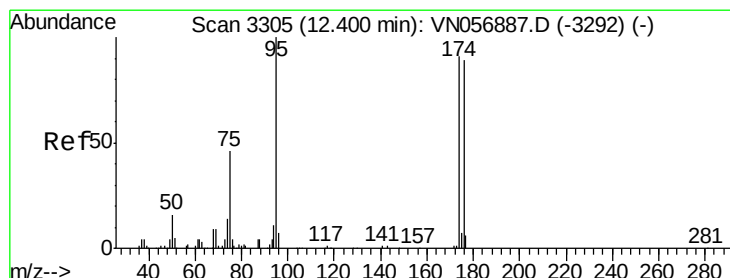
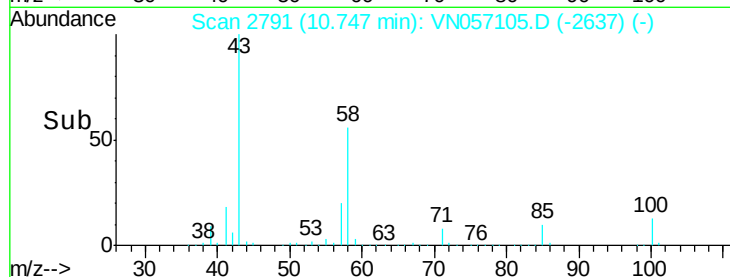
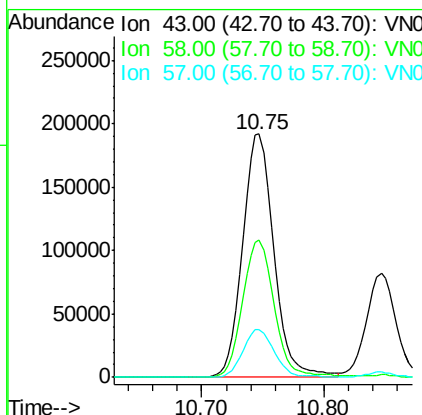
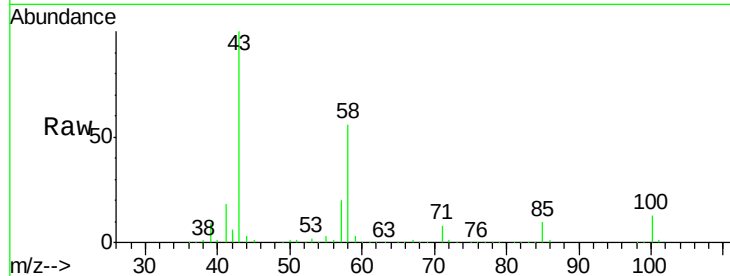
#59
2-Hexanone
Concen: 104.056 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.0	67.4
57	20.0	15.4	23.0

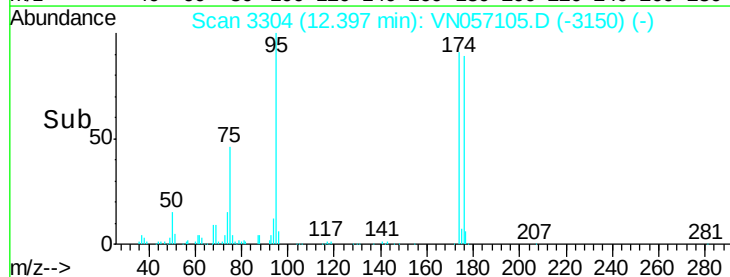
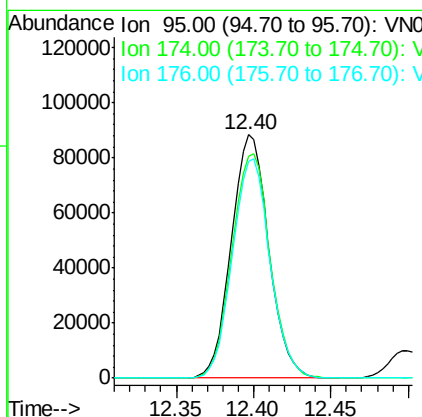
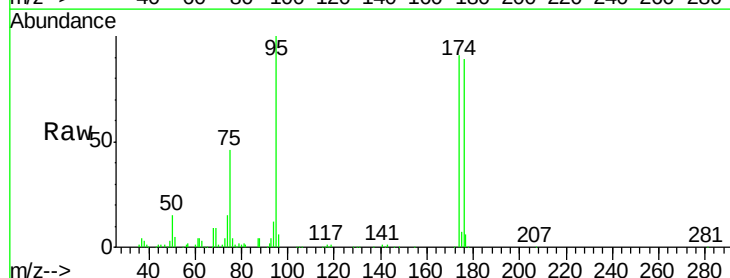
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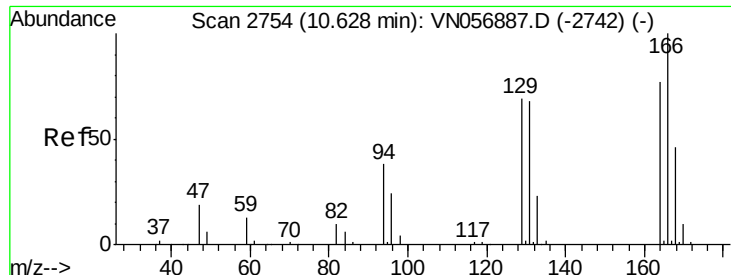
MMdadoda
8/9/2019 12:51:38 AM



#60
4-Bromofluorobenzene
Concen: 27.865 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	71.9	107.9
176	90.4	69.8	104.8





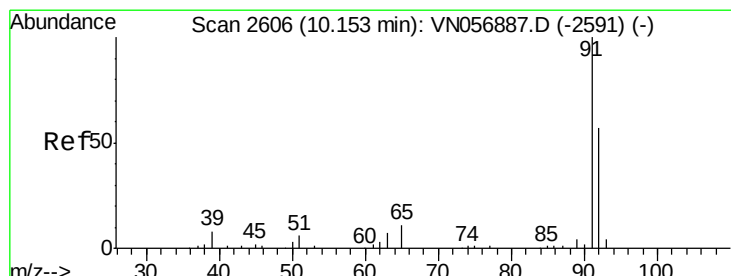
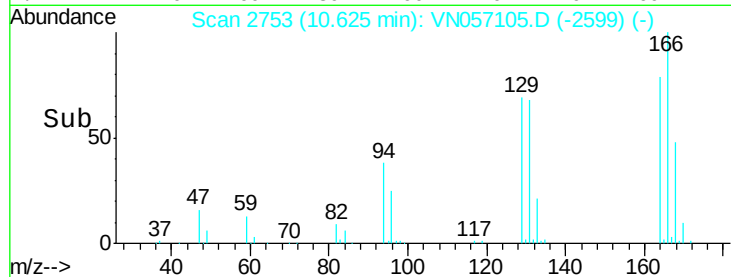
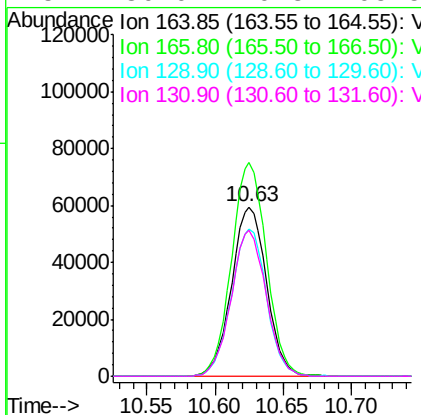
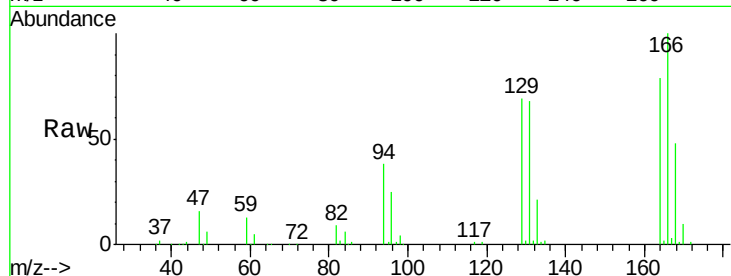
#61
Tetrachloroethene
Concen: 21.239 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.9	155.9
129	87.4	72.4	108.6
131	86.0	70.3	105.5

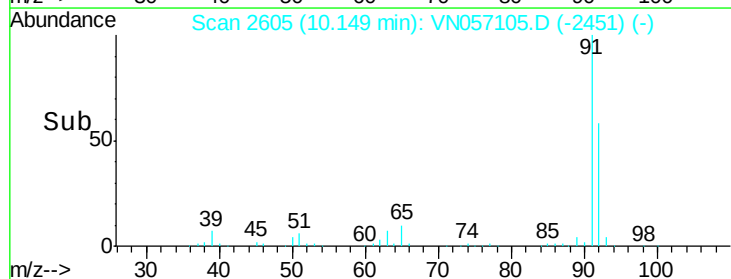
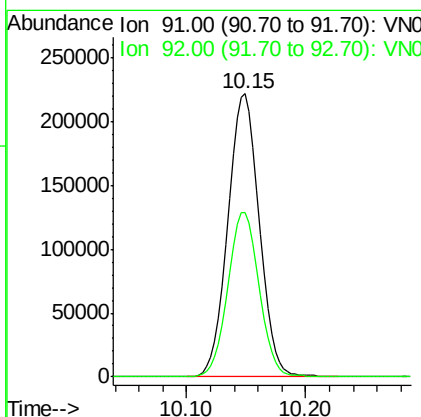
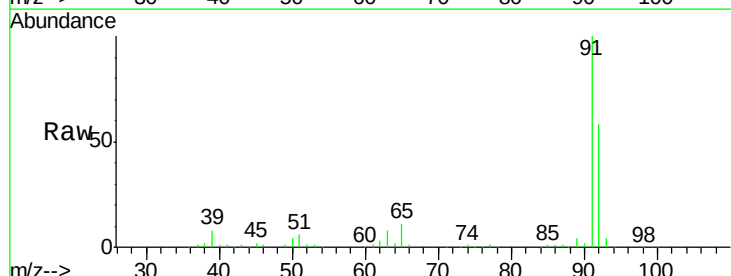
Manual Integrations
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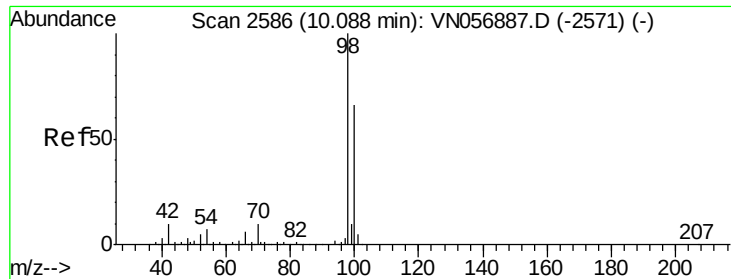
MMdadoda
8/9/2019 12:51:38 AM



#62
Toluene
Concen: 21.017 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.9	46.1	69.1





#63

Toluene-d8

Concen: 29.815 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBS02

Tot Ion: 98 Resp: 500294

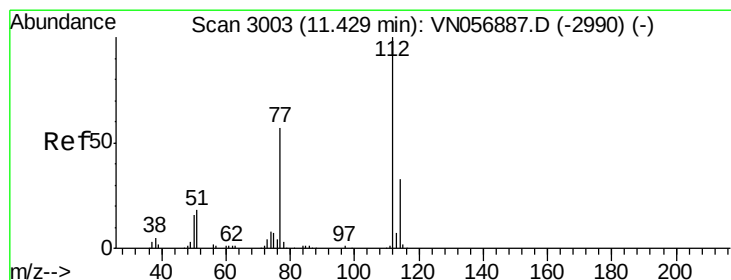
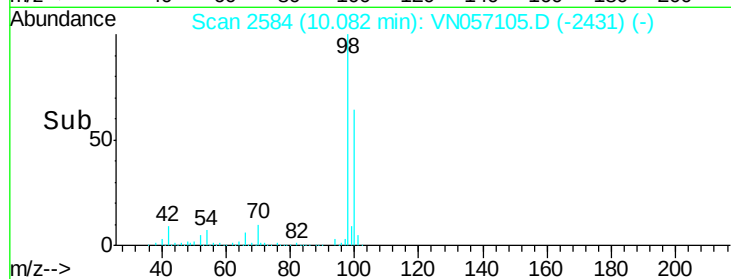
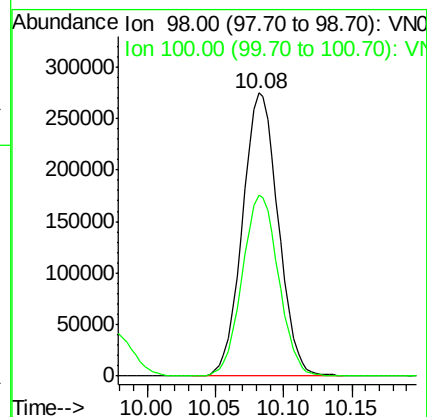
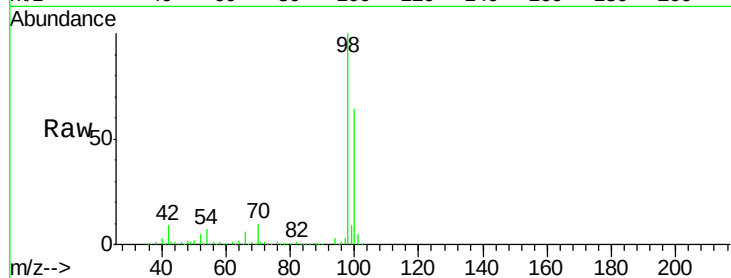
Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.2

Manual Integrations
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#64

Chlorobenzene

Concen: 21.135 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057105.D

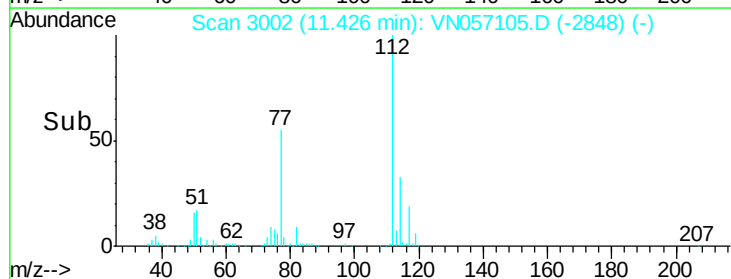
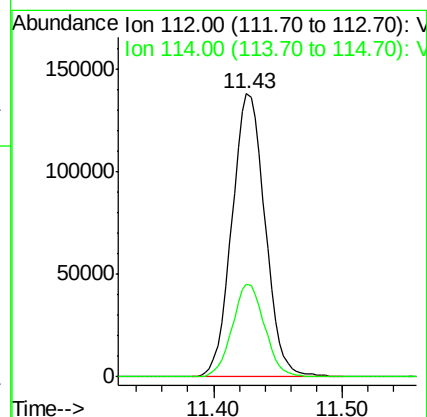
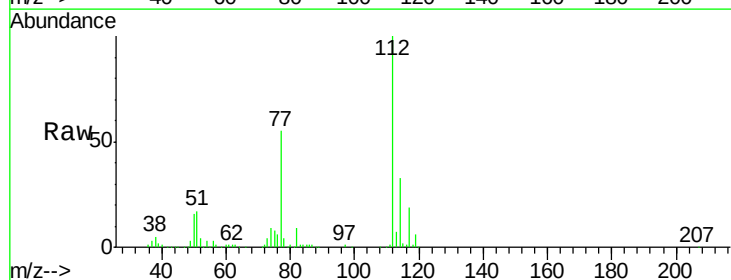
Acq: 6 Aug 2019 16:03

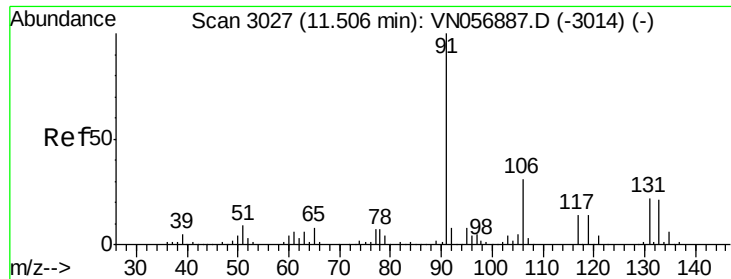
Tgt Ion: 112 Resp: 245960

Ion Ratio Lower Upper

112 100

114 32.7 26.7 40.1





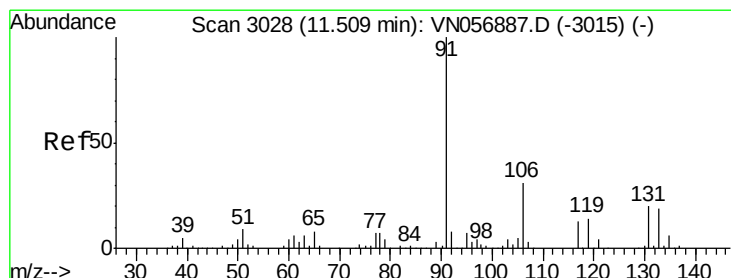
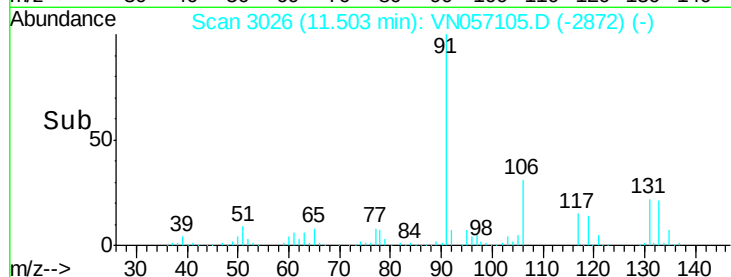
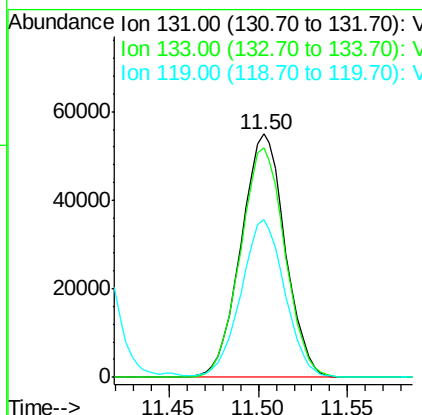
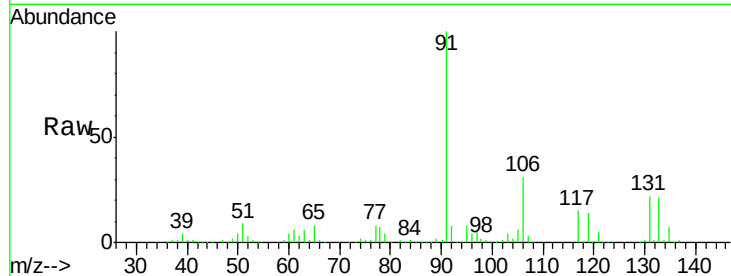
#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.513 ug/l
 RT: 11.50 min Scan# 3026
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
131	100	94828		
133	95.2	0.0	189.6	
119	64.3	0.0	133.6	

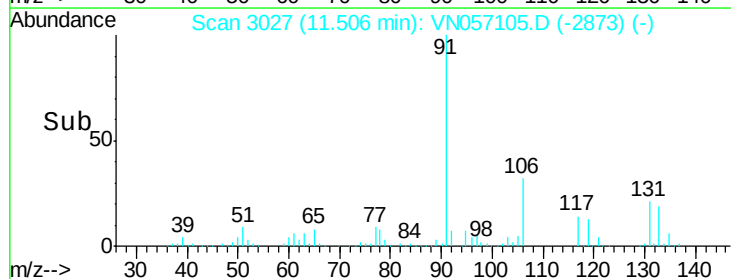
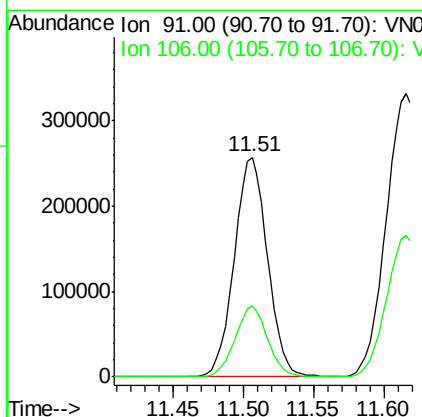
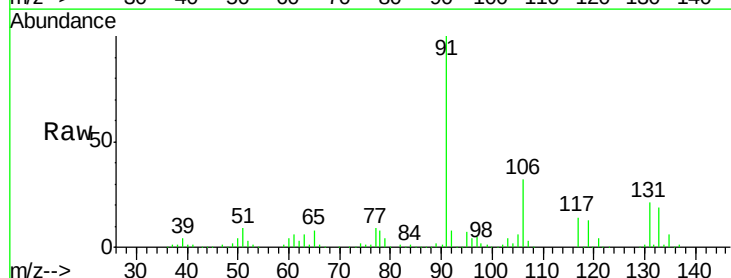
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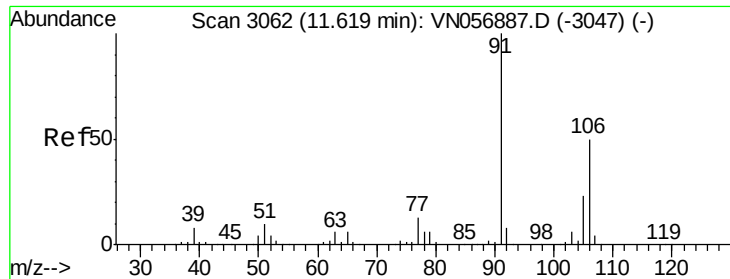
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#66
 Ethyl Benzene
 Concen: 20.914 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	425780		
106	32.2	24.9	37.3	





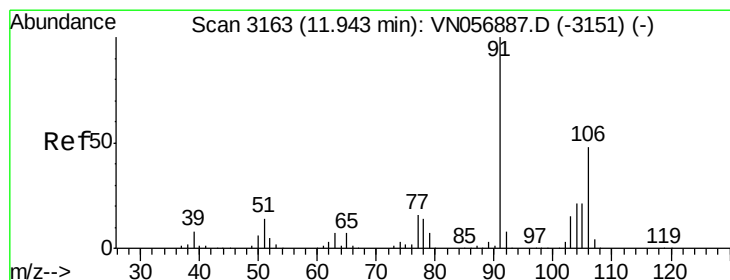
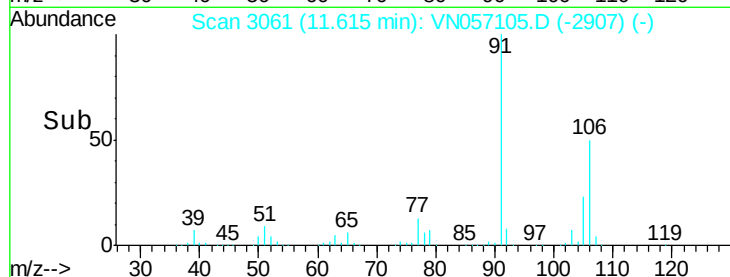
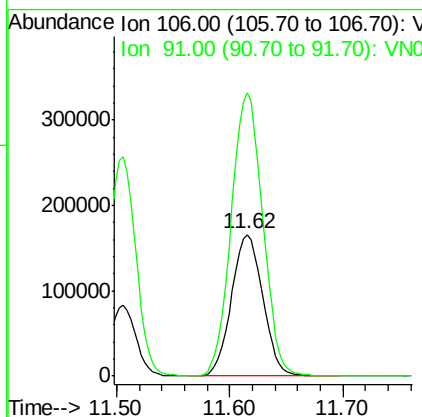
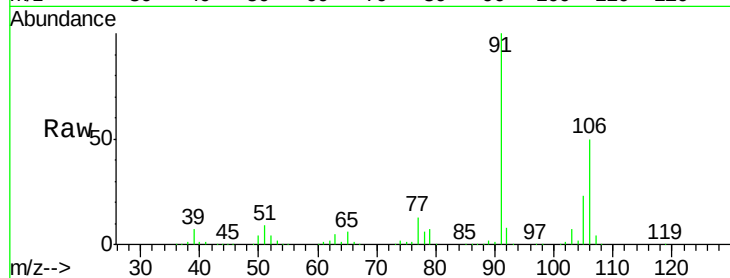
#67
m/p-Xylenes
Concen: 42.222 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion:106 Resp: 320537
Ion Ratio Lower Upper
106 100
91 201.2 160.6 240.8

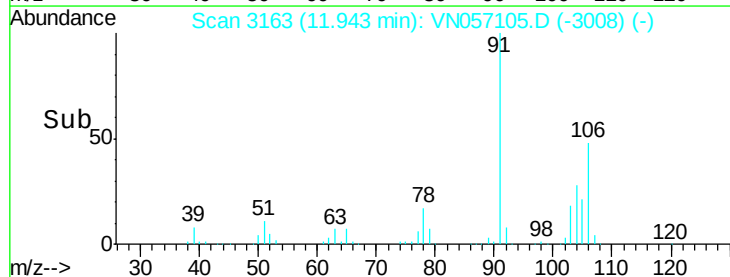
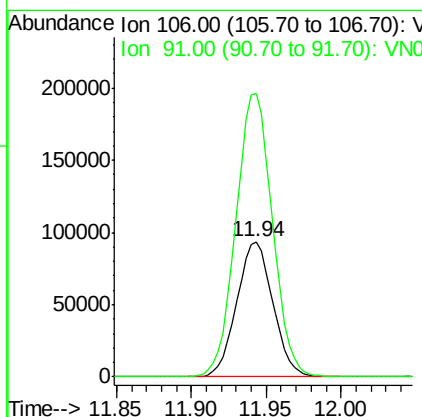
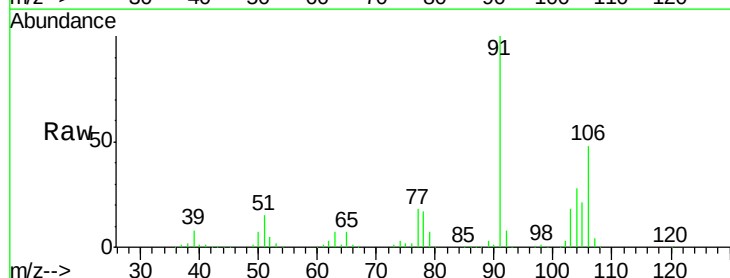
Manual Integrations
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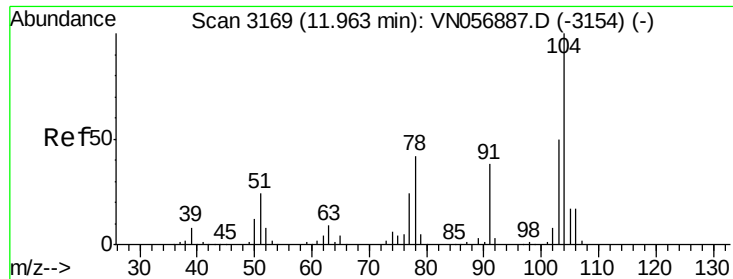
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#68
o-Xylene
Concen: 21.113 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion:106 Resp: 157592
Ion Ratio Lower Upper
106 100
91 211.9 106.2 318.6





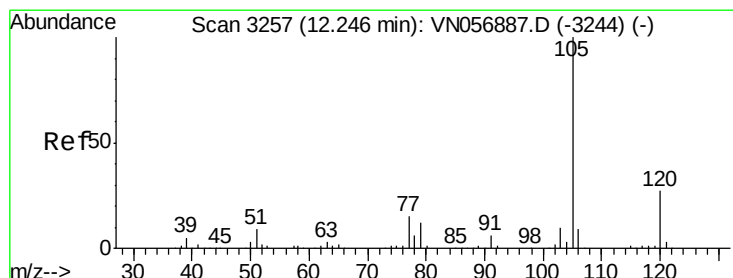
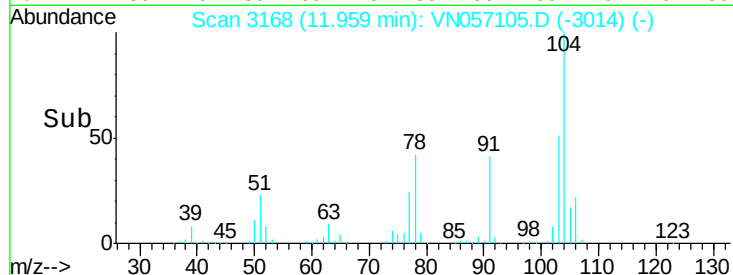
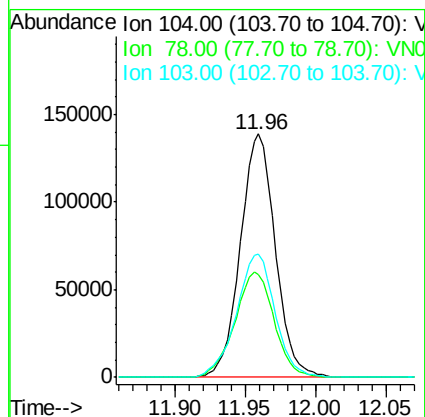
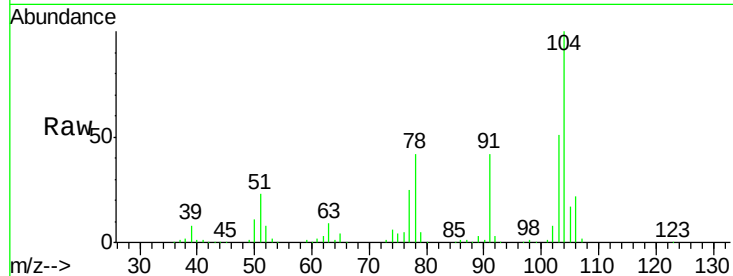
#69
Stvrene
Concen: 20.021 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
104	100	242161		
78	48.5		38.5	57.7
103	55.9		44.7	67.1

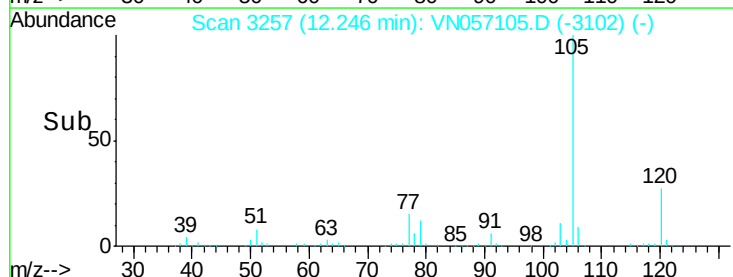
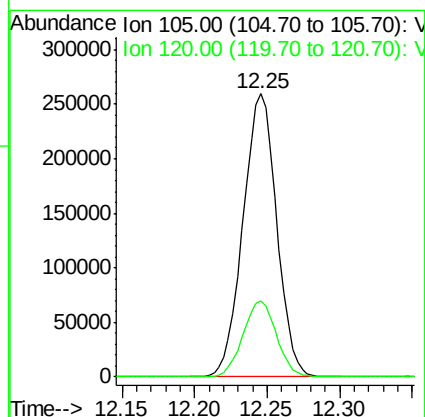
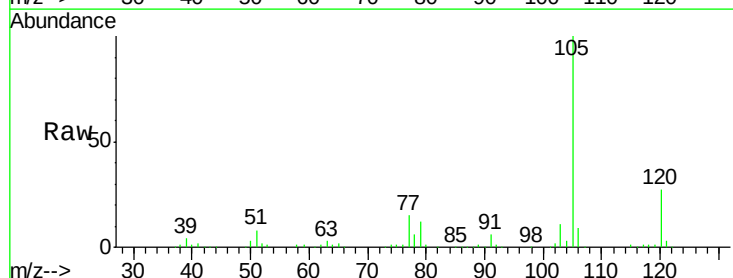
Manual Integrations
APPROVED

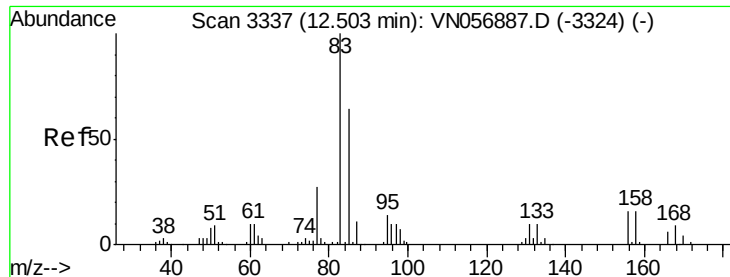
MMDadoda
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#70
Isopropylbenzene
Concen: 21.325 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	419110		
120	26.6		18.7	34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 21.179 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

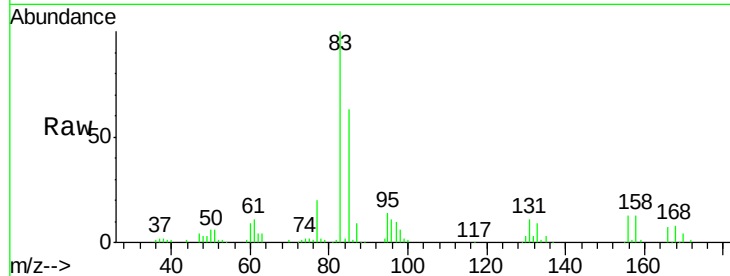
ClientSampled :

VN0806WBS02

Tot Ion:	83	Resp:	116582
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.2
85	64.3	31.8	95.4

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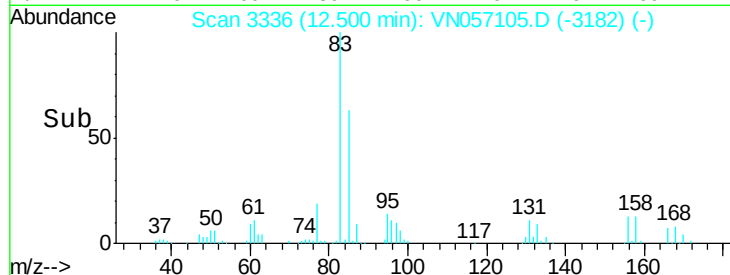


Abundance Ion 83.00 (82.70 to 83.70): VN056887.D (-3324) (-)

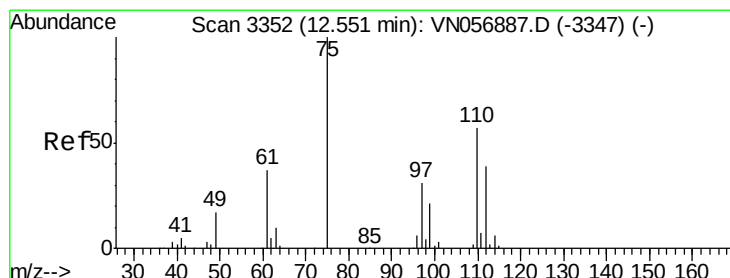
Ion 131.00 (130.70 to 131.70): VN056887.D (-3324) (-)

Ion 85.00 (84.70 to 85.70): VN056887.D (-3324) (-)

Time-->



Time-->



#72

1,2,3-Trichloropropane

Concen: 20.883 ug/l m

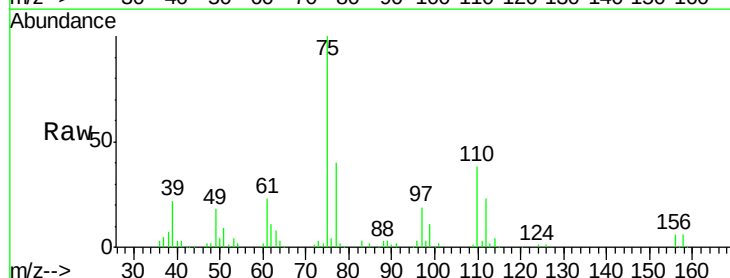
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

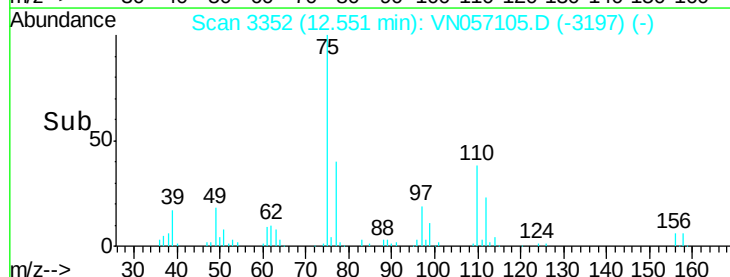
Tgt Ion:	75	Resp:	101144
Ion Ratio	Lower	Upper	
75	100		
77	183.2	0.0	378.6



Abundance Ion 75.00 (74.70 to 75.70): VN056887.D (-3347) (-)

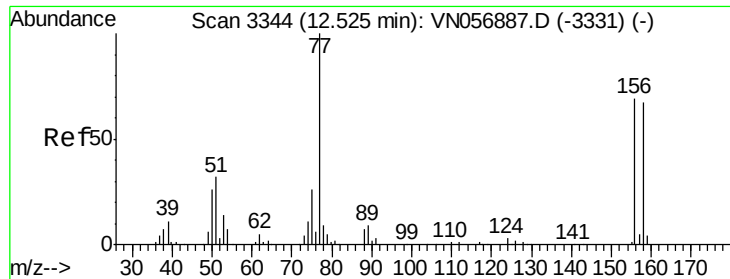
Ion 77.00 (76.70 to 77.70): VN056887.D (-3347) (-)

Time-->



Time-->

Time-->



#73

Bromobenzene

Concen: 20.826 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

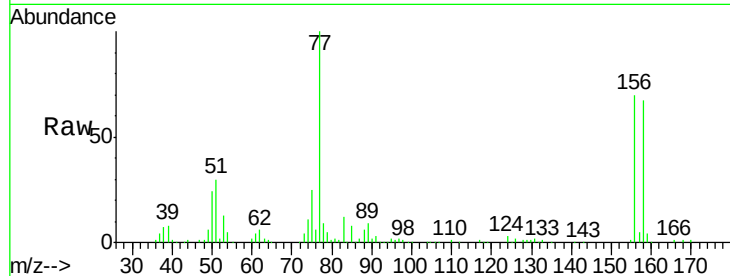
ClientSampled :

VN0806WBS02

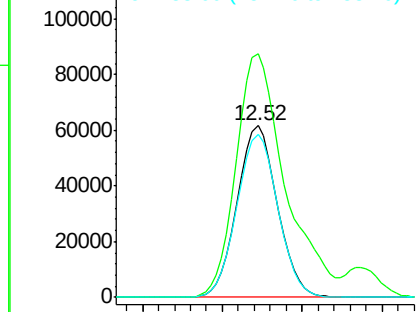
Tot Ion:	156	Resp:	105616
Ion Ratio	Lower	Upper	
156	100		
77	175.5	0.0	364.6
158	96.7	0.0	196.2

Manual Integrations
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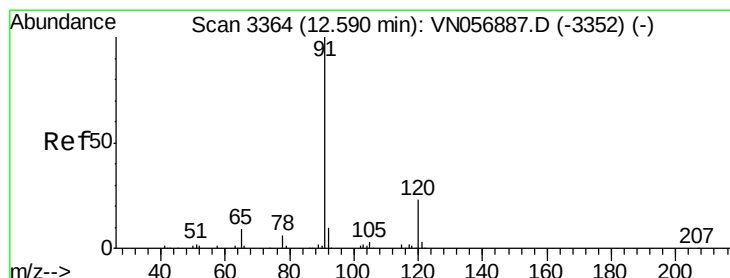
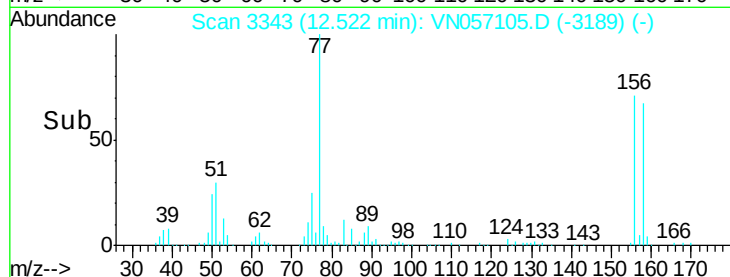
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



Time-->



#74

n-propylbenzene

Concen: 20.038 ug/l

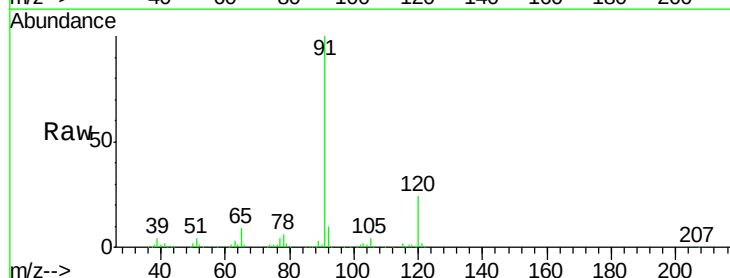
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

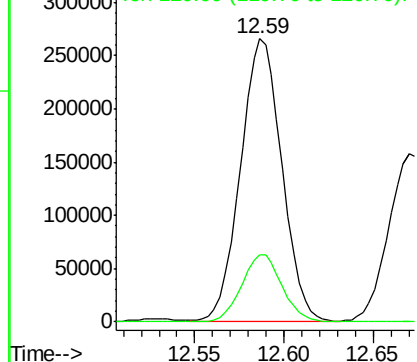
Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

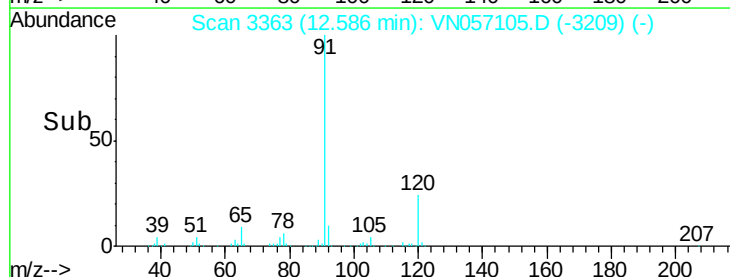
Tgt Ion:	91	Resp:	430602
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.4

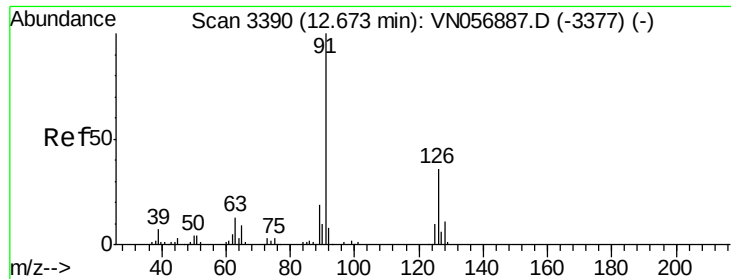


Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V



Time-->





#75

2-Chlorotoluene

Concen: 20.547 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

Tot Ion: 91 Resp: 267691

Ion Ratio Lower Upper

91 100

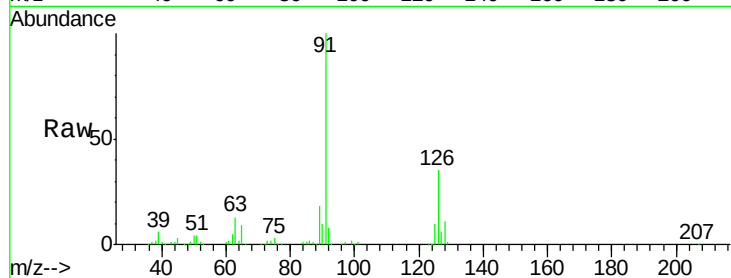
126 35.6 0.0 70.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056887.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056887.D (-3377) (-)

200000

150000

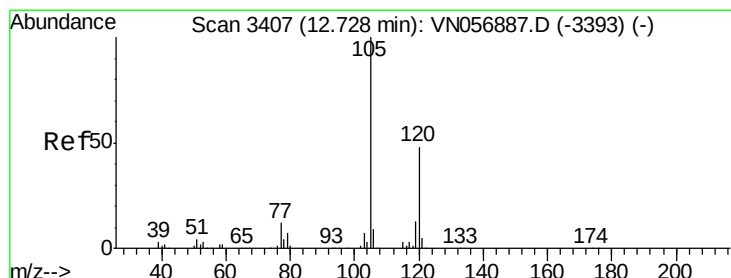
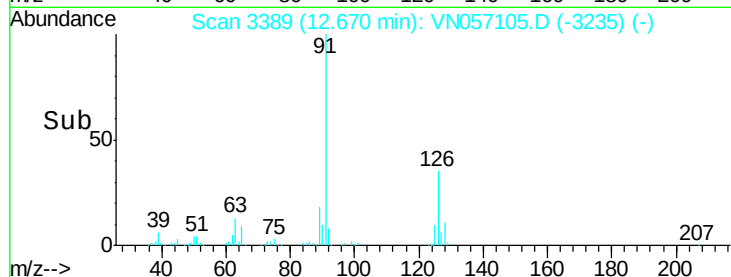
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.192 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057105.D

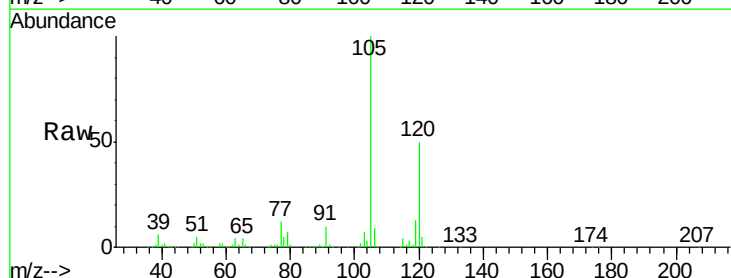
Acq: 6 Aug 2019 16:03

Tgt Ion: 105 Resp: 350631

Ion Ratio Lower Upper

105 100

120 49.6 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN056887.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056887.D (-3393) (-)

250000

200000

150000

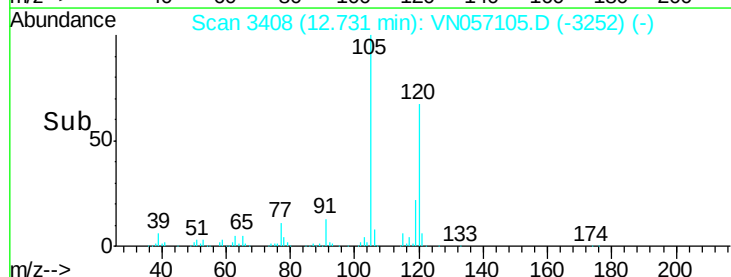
100000

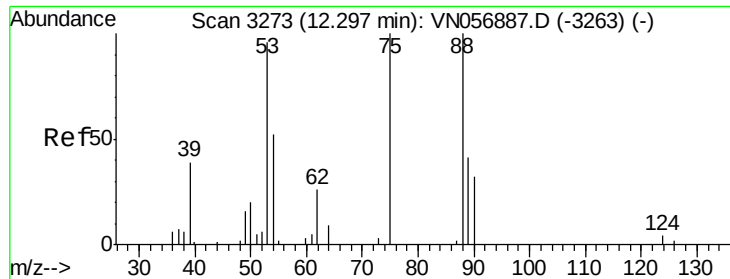
50000

0

12.65 12.70 12.75 12.80

Time-->





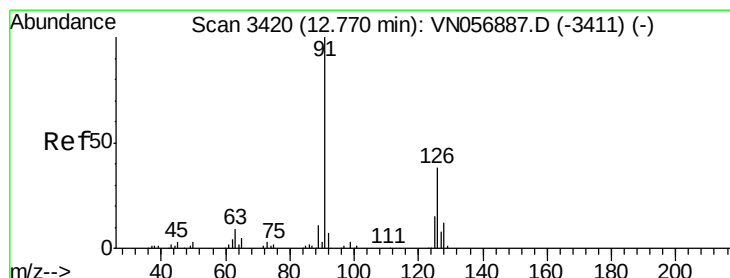
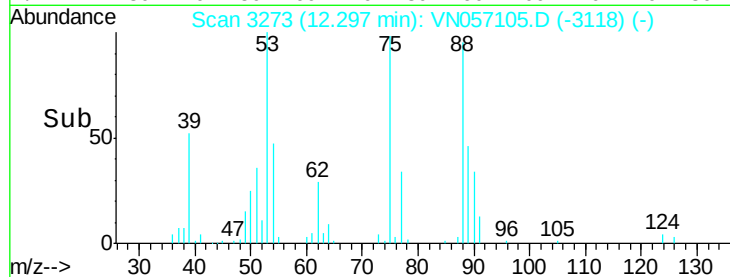
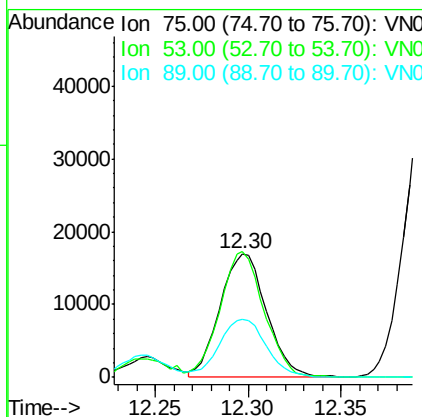
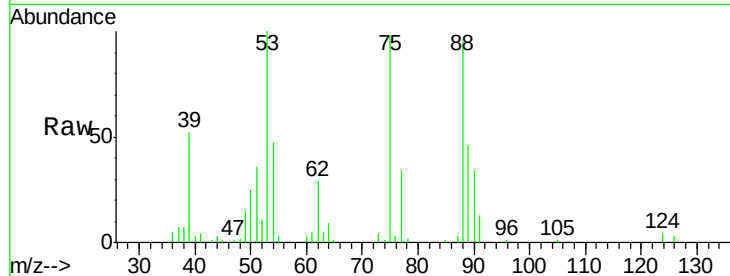
#77
t-1,4-Dichloro-2-butene
Concen: 19.441 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampled :
VN0806WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	48.0	144.0
89	47.3	21.4	64.3

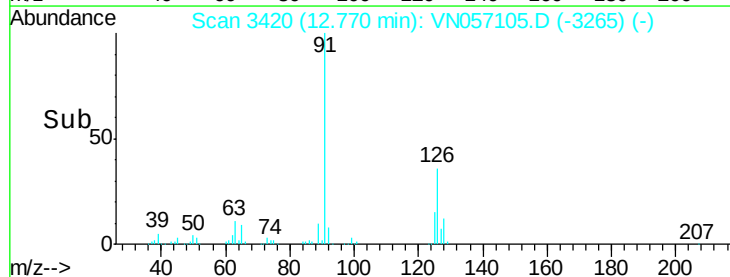
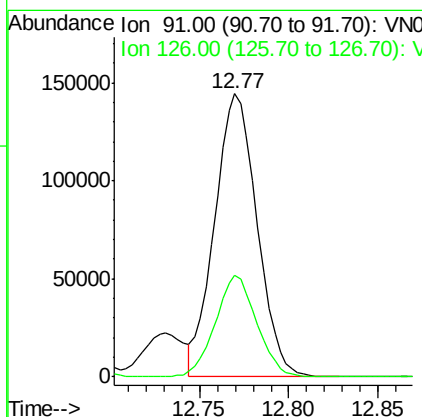
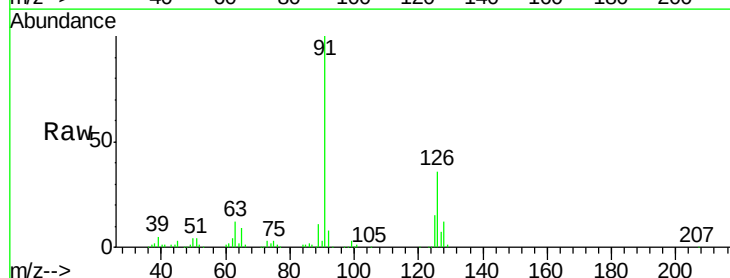
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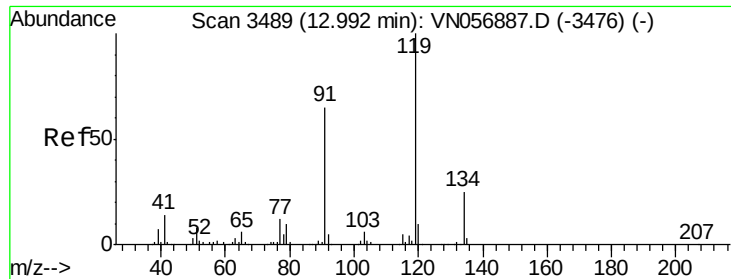
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#78
4-Chlorotoluene
Concen: 19.121 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	69.6





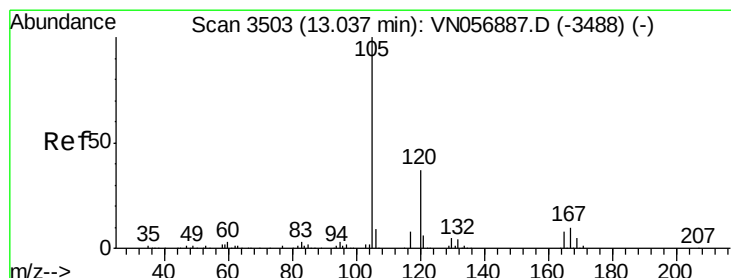
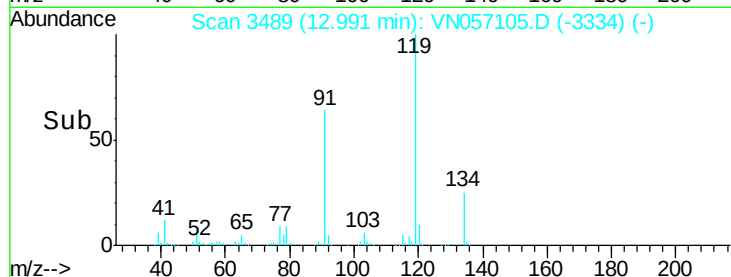
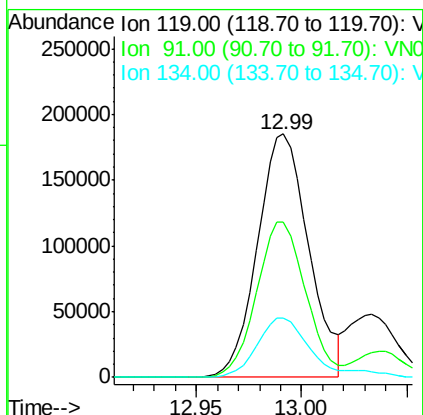
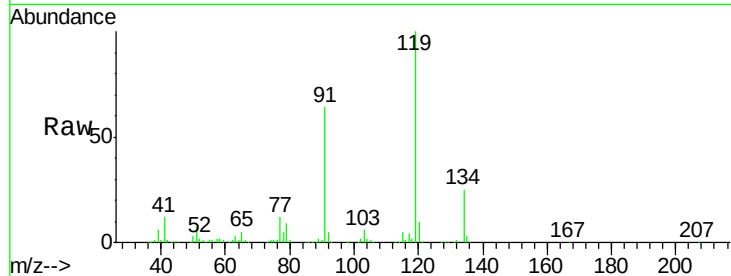
#79
tert-butylbenzene
Concen: 21.878 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	312367		
91	61.8	0.0	126.8	
134	24.3	0.0	48.8	

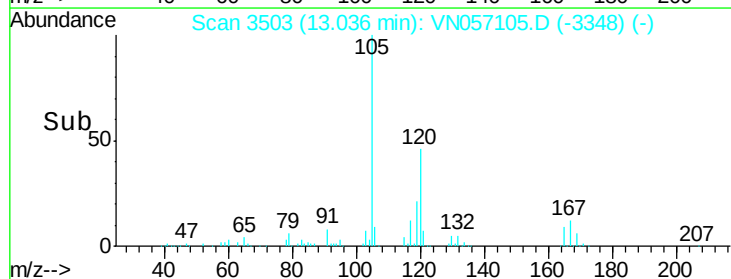
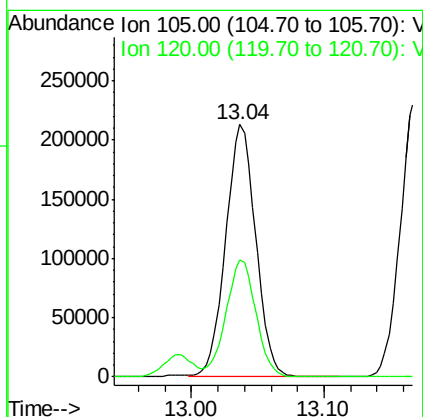
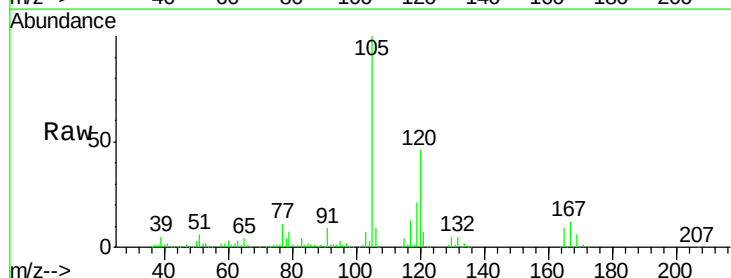
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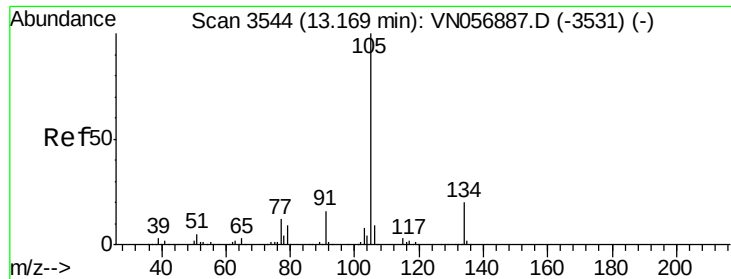
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#80
1,2,4-Trimethylbenzene
Concen: 20.829 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	335954		
120	46.2	0.0	90.6	





#81

sec-Butylbenzene

Concen: 20.526 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

ClientSampled :

VN0806WBS02

Tot Ion:105 Resp: 382606

Ion Ratio Lower Upper

105 100

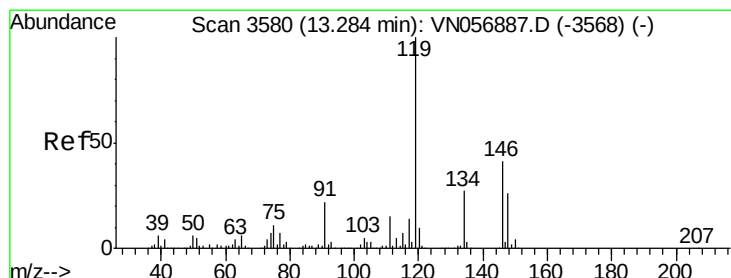
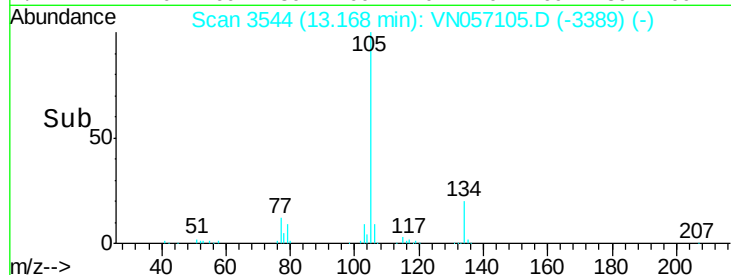
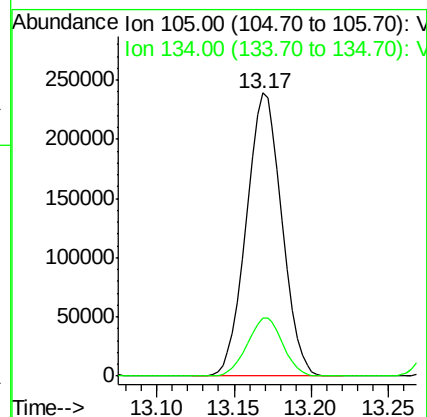
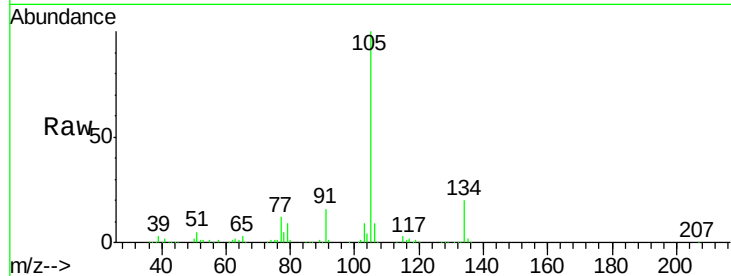
134 20.5 0.0 41.2

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#82

p-Isopropyltoluene

Concen: 20.120 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

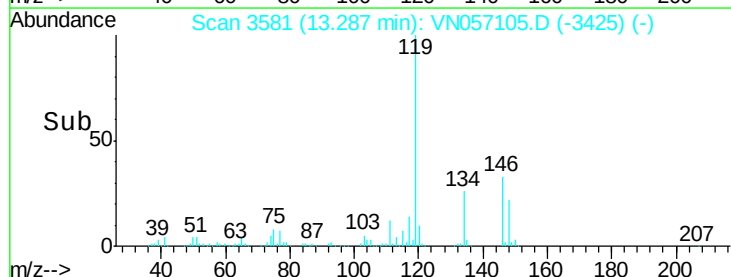
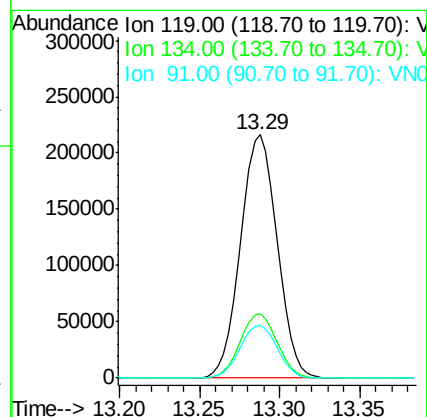
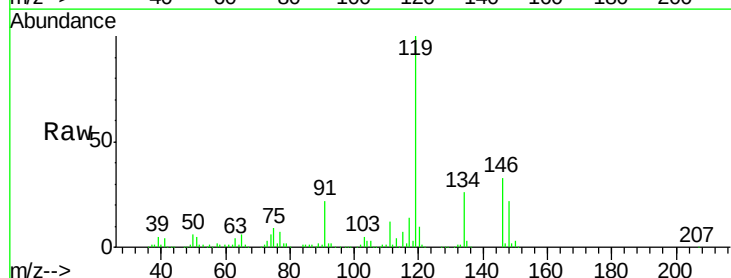
Tgt Ion:119 Resp: 336833

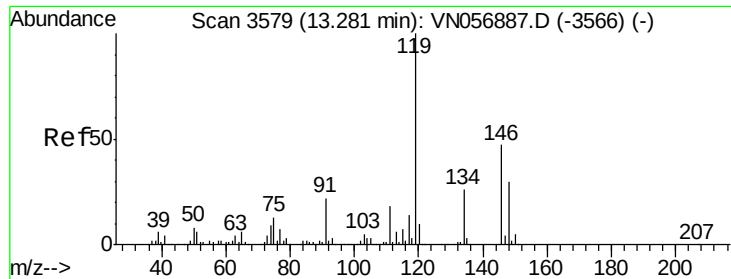
Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.2

91 22.3 0.0 44.0





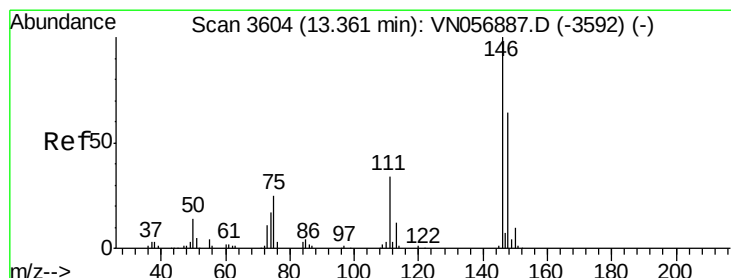
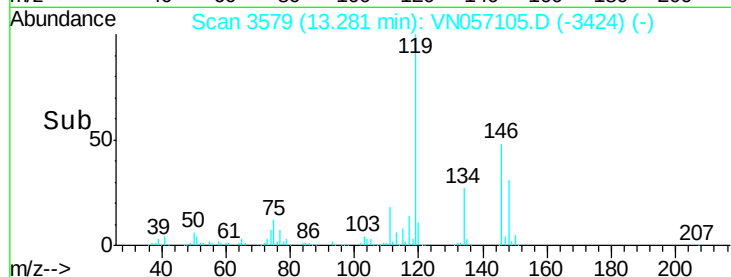
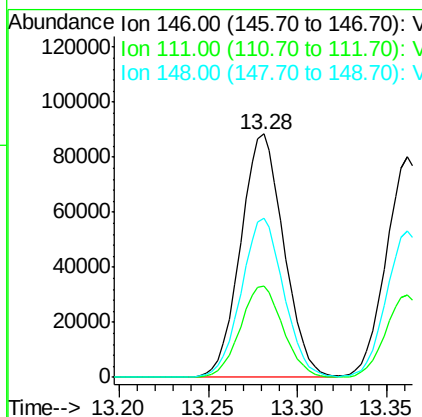
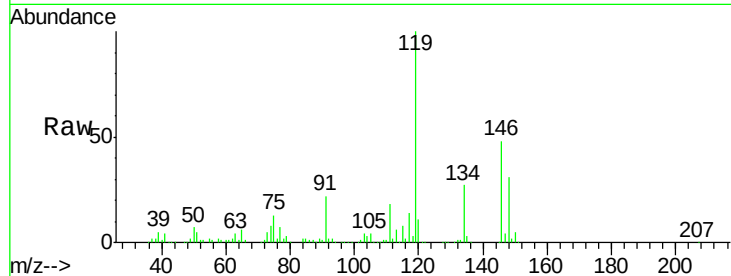
#83
 1,3-Dichlorobenzene
 Concen: 18.765 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149840		
111	37.1	18.8	56.4	
148	64.3	31.7	95.1	

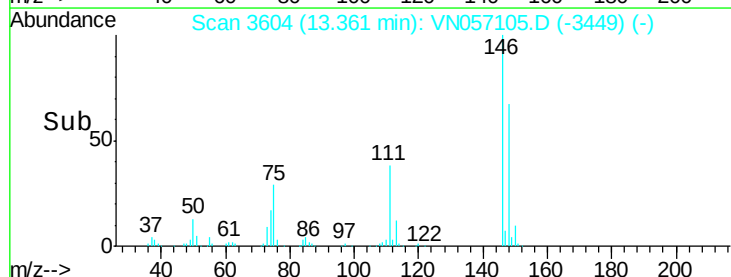
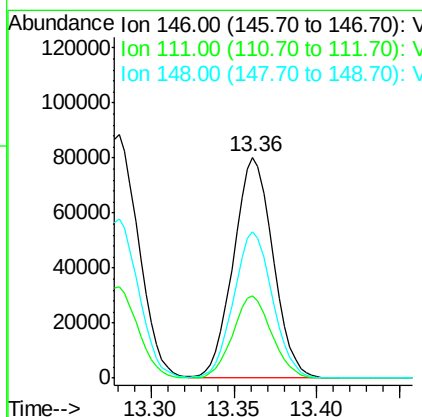
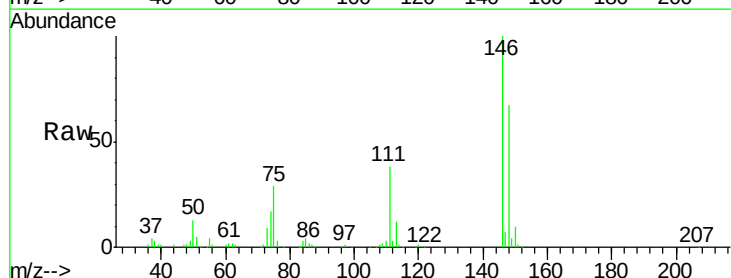
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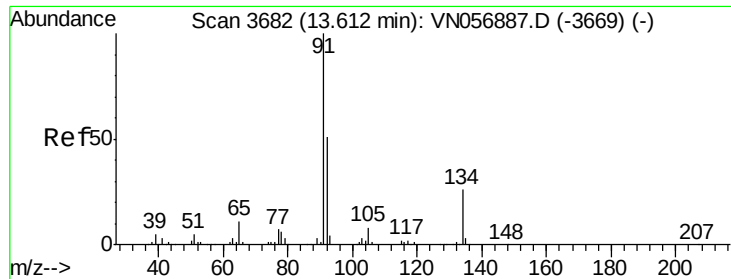
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#84
 1,4-Dichlorobenzene
 Concen: 17.565 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	132609		
111	36.9	17.8	53.5	
148	65.4	32.6	97.7	





#85

n-Butylbenzene

Concen: 17.768 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

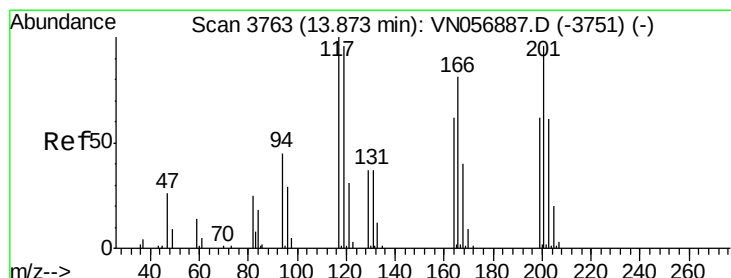
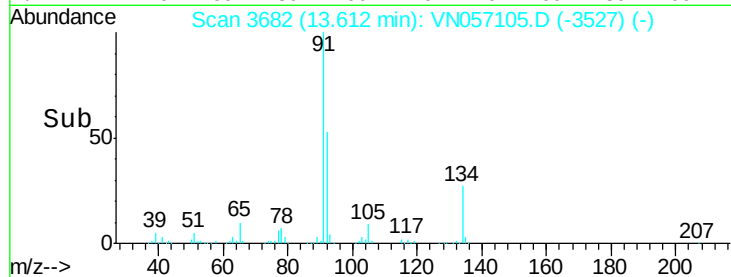
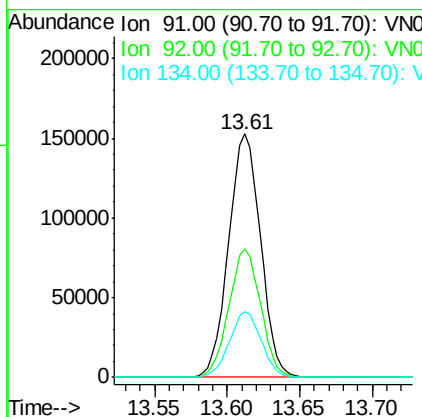
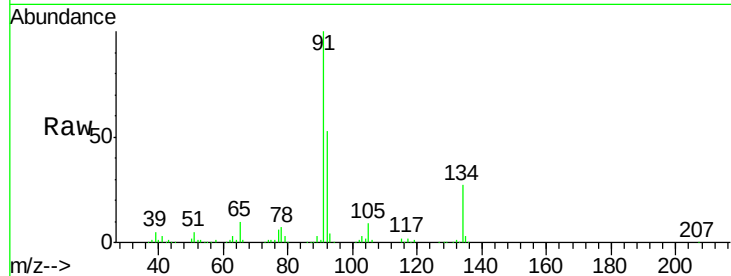
ClientSampled :

VN0806WBS02

Tot Ion:	91	Resp:	233562
Ion	Ratio	Lower	Upper
91	100		
92	52.2	0.0	101.8
134	26.9	0.0	52.4

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#86

Hexachloroethane

Concen: 21.244 ug/l

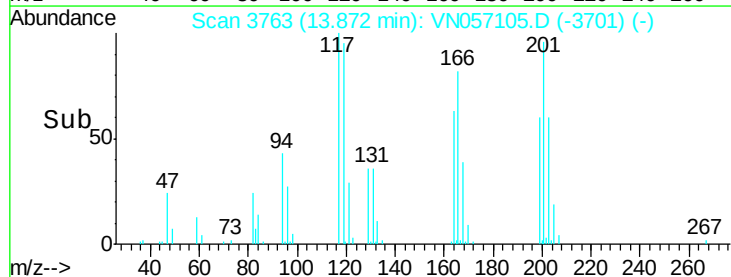
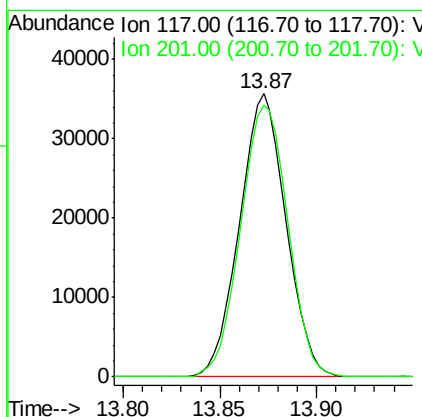
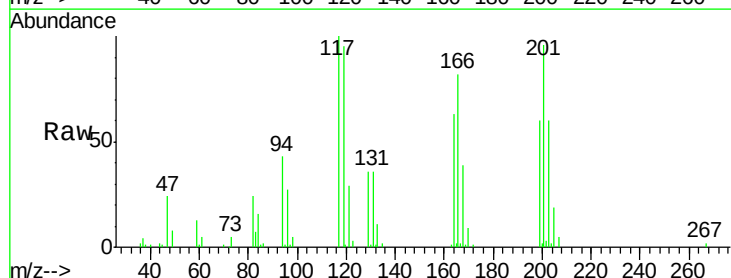
RT: 13.87 min Scan# 3763

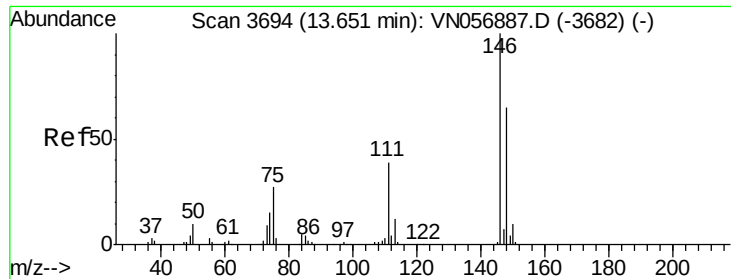
Delta R.T. -0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Tgt Ion:	117	Resp:	59519
Ion	Ratio	Lower	Upper
117	100		
201	97.8	47.8	143.3





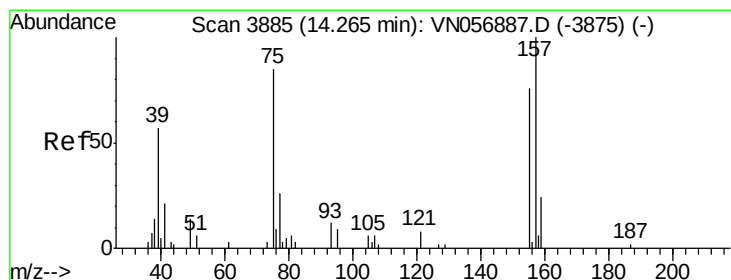
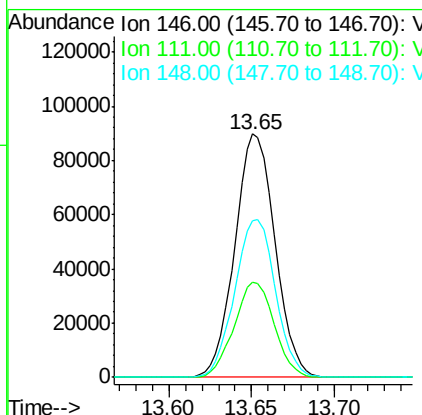
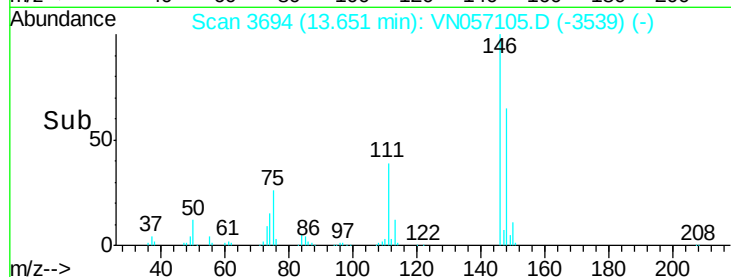
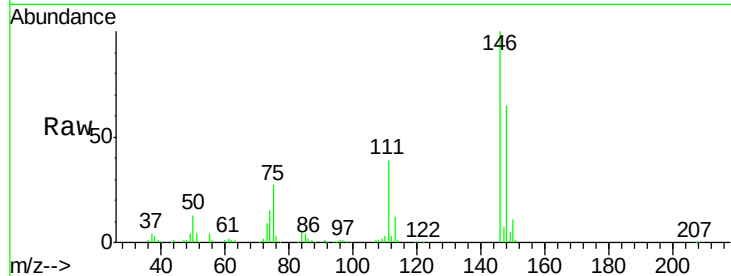
#87
 1,2-Dichlorobenzene
 Concen: 19.105 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	65.6	32.5	97.5

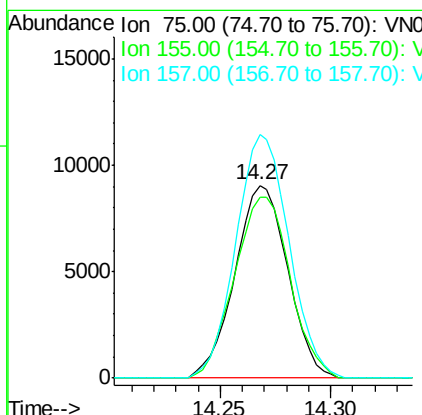
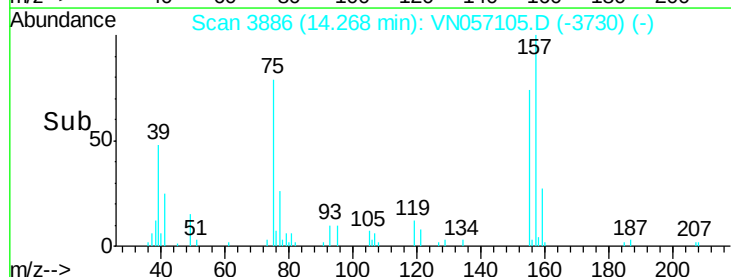
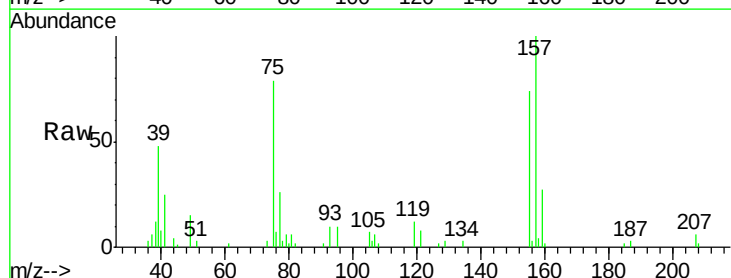
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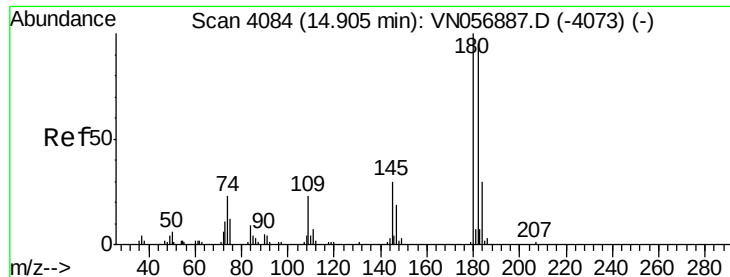
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.704 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057105.D
 Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	73.4	110.2
157	127.5	95.0	142.6





#89

1,2,4-Trichlorobenzene

Concen: 16.656 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057105.D

Acq: 6 Aug 2019 16:03

Instrument :

MSVOA_N

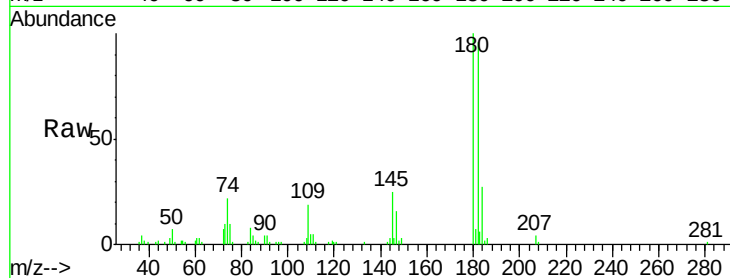
ClientSampleId :

VN0806WBS02

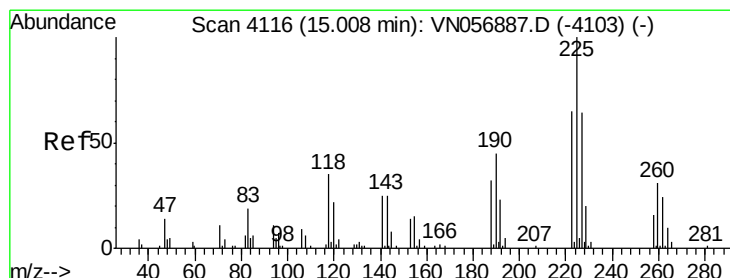
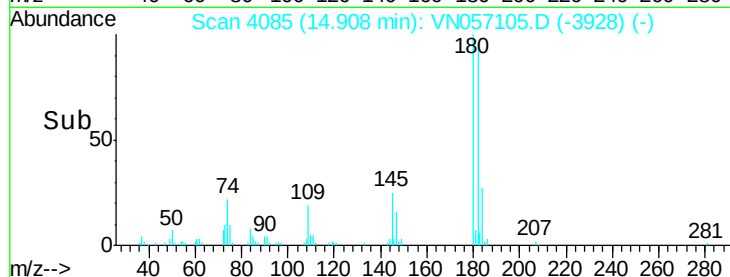
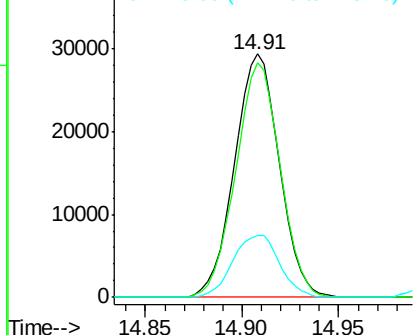
Tot Ion:	180	Resp:	47203
Ion Ratio	Lower	Upper	
180	100		
182	95.6	77.0	115.4
145	26.7	23.5	35.3

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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 22.978 ug/l

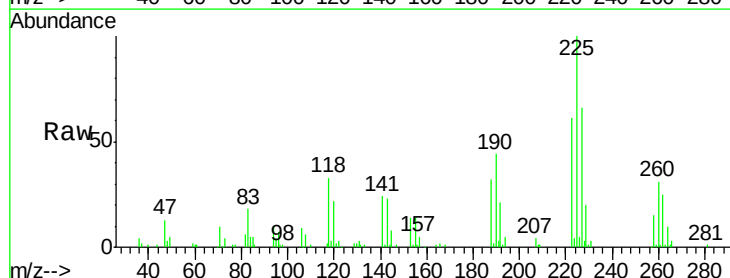
RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

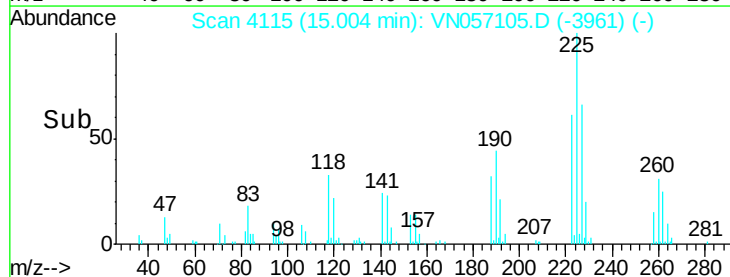
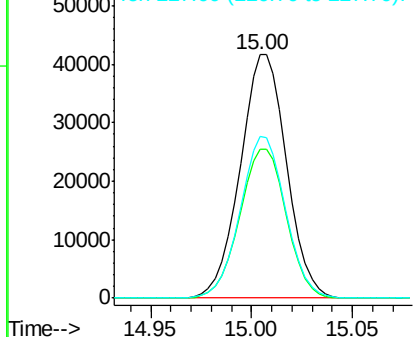
Lab File: VN057105.D

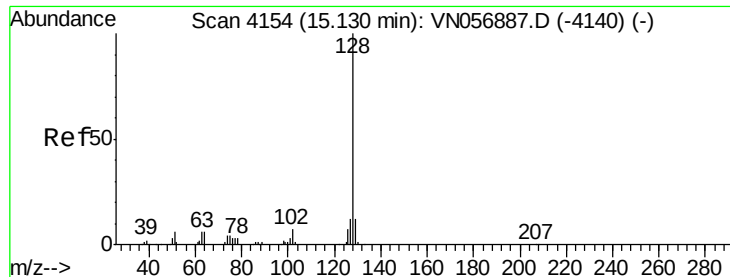
Acq: 6 Aug 2019 16:03

Tgt Ion:	225	Resp:	66988
Ion Ratio	Lower	Upper	
225	100		
223	61.5	0.0	130.0
227	64.8	0.0	127.2



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





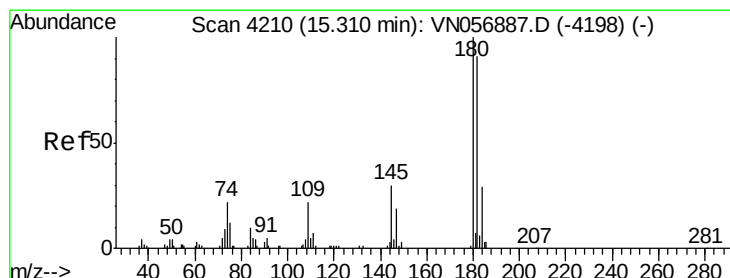
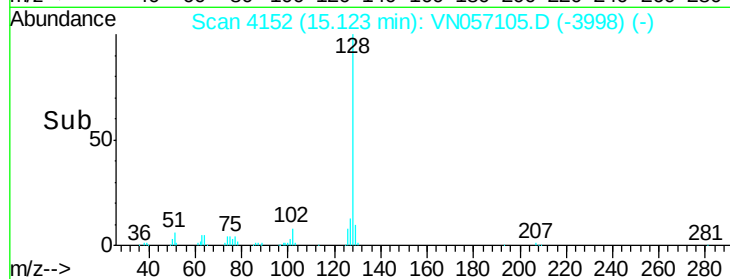
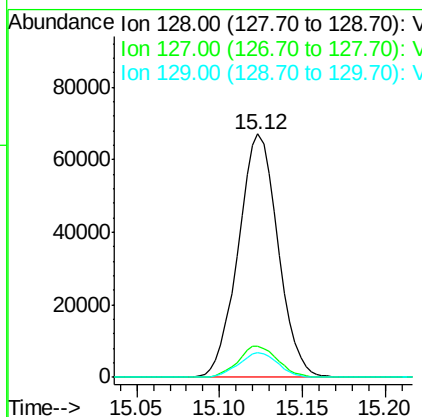
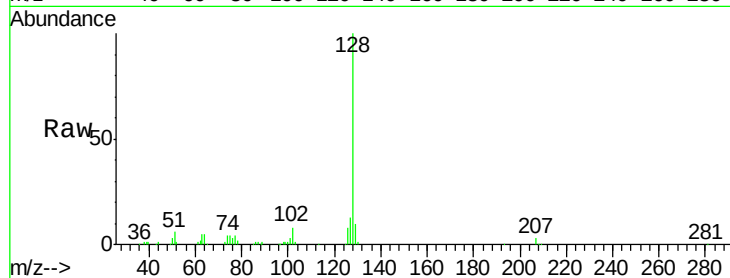
#91
Naphthalene
Concen: 15.667 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	111967		
127	12.8	10.0	15.0	
129	10.1	8.9	13.3	

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#92
1,2,3-Trichlorobenzene
Concen: 13.357 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.01 min
Lab File: VN057105.D
Acq: 6 Aug 2019 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56004		
182	94.7	0.0	188.0	
145	29.7	0.0	61.0	

