

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057612.D
 Acq On : 31 Aug 2019 13:35
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:51:52 AM

Quant Time: Aug 31 15:23:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	177626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	270183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	111268	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	79730	24.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.08%	
35) Dibromofluoromethane	7.58	113	50167	23.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.02%	
50) Toluene-d8	10.08	98	202872	25.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	50.28%	
62) 4-Bromofluorobenzene	12.40	95	68177	24.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	56559	25.318	ug/l	98
3) Chloromethane	2.05	50	68714	22.234	ug/l	97
4) Vinyl Chloride	2.18	62	52775	15.112	ug/l	100
5) Bromomethane	2.51	94	33459	15.631	ug/l	97
6) Chloroethane	2.66	64	29539	13.265	ug/l	98
7) Trichlorofluoromethane	2.99	101	74354	13.766	ug/l	97
8) Diethyl Ether	3.40	74	24992	12.400	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	37295	12.558	ug/l	98
10) Methyl Iodide	3.92	142	49744	21.095	ug/l	98
11) Tert butyl alcohol	4.82	59	41528	103.724	ug/l #	88
12) 1,1-Dichloroethene	3.71	96	33753	11.895	ug/l	97
13) Acrolein	3.59	56	17840	58.240	ug/l	98
14) Allyl chloride	4.29	41	101784	22.190	ug/l	98
15) Acrylonitrile	4.97	53	128539	117.188	ug/l	99
16) Acetone	3.81	43	125254	84.877	ug/l	98
17) Carbon Disulfide	4.02	76	102457	17.641	ug/l	96
18) Methyl Acetate	4.31	43	78839	20.622	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	176667	23.122	ug/l	95
20) Methylene Chloride	4.52	84	57947	23.449	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	51539	23.073	ug/l	92
22) Diisopropyl ether	5.94	45	215312	23.771	ug/l	100
23) Vinyl Acetate	5.88	43	853267	119.686	ug/l	100
24) 1,1-Dichloroethane	5.82	63	110256	23.179	ug/l	99
25) 2-Butanone	6.83	43	194695	118.438	ug/l	96
26) 2,2-Dichloropropane	6.80	77	86187	21.146	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	61048	23.135	ug/l	97
28) Bromochloromethane	7.18	49	60486	24.130	ug/l	97
29) Tetrahydrofuran	7.20	42	119547	111.928	ug/l	100
30) Chloroform	7.36	83	111909	22.651	ug/l	95
31) Cyclohexane	7.63	56	109619	23.766	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	89425	22.068	ug/l	98
36) 1,1-Dichloropropene	7.78	75	83495	25.885	ug/l	97
37) Ethyl Acetate	6.92	43	80344	25.363	ug/l	99
38) Carbon Tetrachloride	7.76	117	68009	21.697	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	95544	25.010	ug/l	95
40) Benzene	8.03	78	237113	24.666	ug/l	98
41) Methacrylonitrile	7.17	41	42113	27.391	ug/l	93
42) 1,2-Dichloroethane	8.11	62	93784	24.972	ug/l	99
43) Isopropyl Acetate	8.16	43	135313	23.329	ug/l	99
44) Trichloroethene	8.83	130	52211	24.423	ug/l	90
45) 1,2-Dichloropropane	9.11	63	64049	23.667	ug/l	99
46) Dibromomethane	9.20	93	40271	23.437	ug/l	96
47) Bromodichloromethane	9.40	83	78405	22.015	ug/l	98
48) Methyl methacrylate	9.19	41	69306	24.855	ug/l	97
49) 1,4-Dioxane	9.20	88	16560	471.013	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	409230	125.291	ug/l	99
52) Toluene	10.15	92	138710	24.908	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	76311	20.560	ug/l	92
54) cis-1,3-Dichloropropene	9.83	75	91934	22.199	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	52151	23.328	ug/l	96
56) Ethyl methacrylate	10.43	69	85269	24.155	ug/l	98
57) 1,3-Dichloropropane	10.71	76	97241	24.840	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	115113	134.339	ug/l	98
59) 2-Hexanone	10.75	43	297214	131.932	ug/l	99
60) Dibromochloromethane	10.90	129	48611	20.856	ug/l	100
61) 1,2-Dibromoethane	11.00	107	52616	24.057	ug/l	96
64) Tetrachloroethene	10.63	164	49576	24.748	ug/l	99
65) Chlorobenzene	11.43	112	136994	23.723	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	46307	21.323	ug/l	99
67) Ethyl Benzene	11.51	91	266568	23.810	ug/l	99
68) m/p-Xylenes	11.62	106	184265	48.414	ug/l	98
69) o-Xylene	11.95	106	90139	24.001	ug/l	97
70) Styrene	11.96	104	145332	24.249	ug/l	99
71) Bromoform	12.13	173	27178	18.722	ug/l #	99
73) Isopropylbenzene	12.25	105	252923	19.841	ug/l	99
74) N-amyl acetate	12.07	43	117587	20.090	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	76565	20.469	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	66263m	22.670	ug/l	
77) Bromobenzene	12.53	156	52678	20.648	ug/l	98
78) n-propylbenzene	12.59	91	262787	19.380	ug/l	98
79) 2-Chlorotoluene	12.68	91	171179	21.059	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	202908	20.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17778	16.366	ug/l	99
82) 4-Chlorotoluene	12.78	91	156506	20.183	ug/l	100
83) tert-Butylbenzene	12.99	119	172865	19.336	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	194291	21.759	ug/l	100
85) sec-Butylbenzene	13.17	105	224655	20.451	ug/l	100
86) p-Isopropyltoluene	13.29	119	178105	19.899	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	78701	21.126	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	74305	20.509	ug/l	97
89) n-Butylbenzene	13.62	91	176060	23.148	ug/l	98
90) Hexachloroethane	13.88	117	30013	14.953	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	76978	21.616	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10278	17.208	ug/l	99

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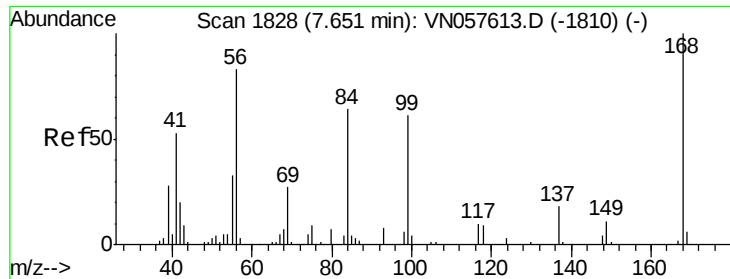
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	22078	16.947	ug/l	99
94) Hexachlorobutadiene	15.01	225	26157	23.131	ug/l	98
95) Naphthalene	15.13	128	68502	16.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	21754	15.908	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 177626

Ion Ratio Lower Upper

168 100

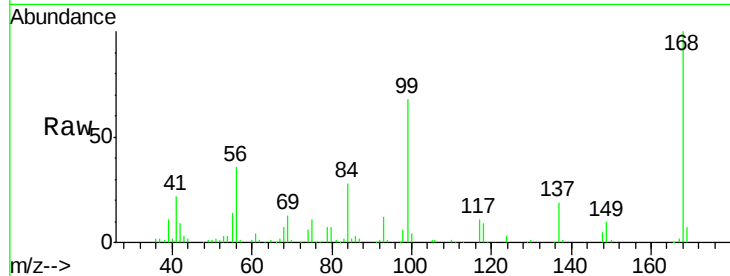
99 68.2 54.2 81.2

Manual Integrations

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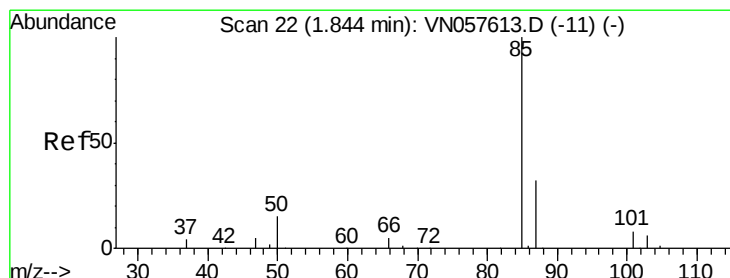
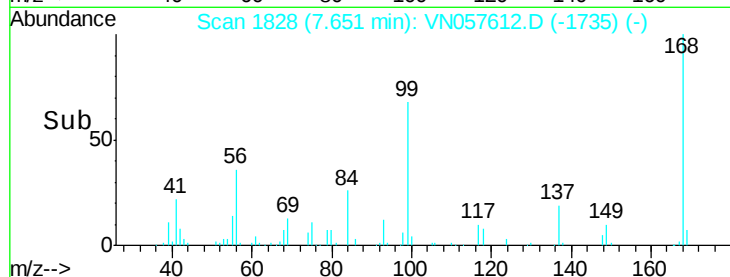
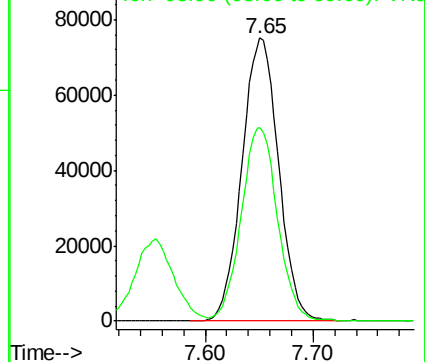
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 25.318 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057612.D

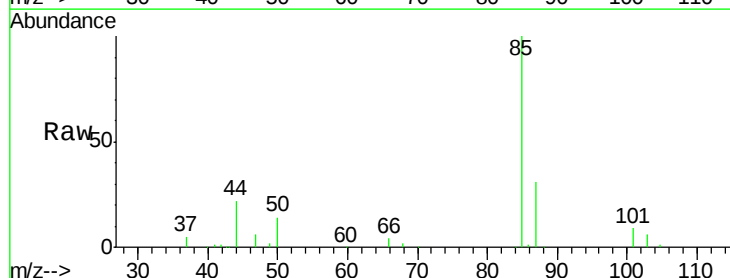
Acq: 31 Aug 2019 13:35

Tgt Ion: 85 Resp: 56559

Ion Ratio Lower Upper

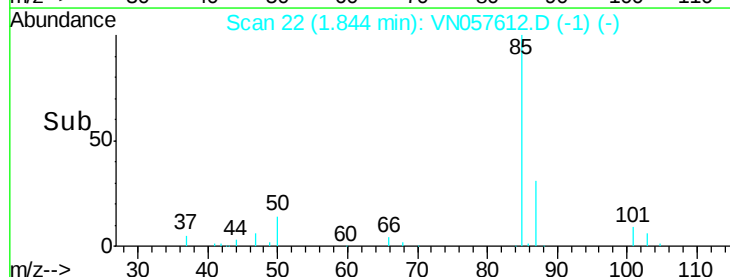
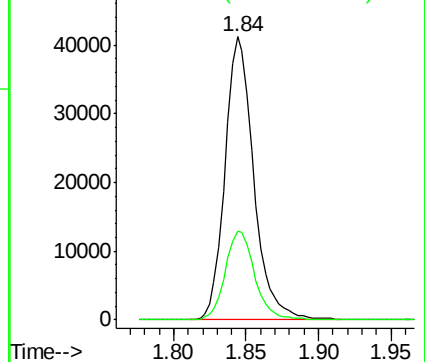
85 100

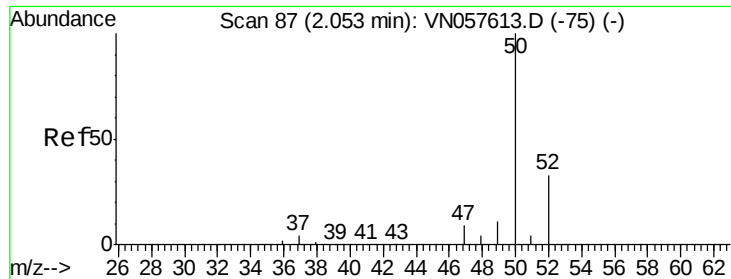
87 31.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 22.234 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 68714

Ion Ratio Lower Upper

50 100

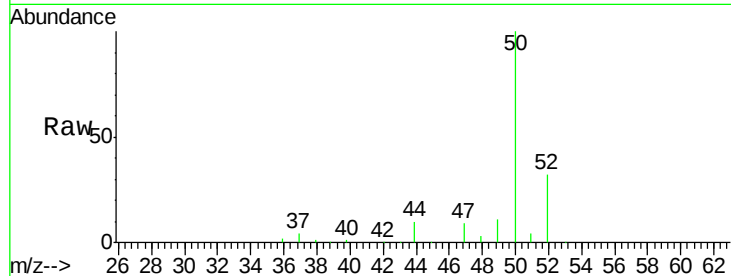
52 31.7 26.7 40.1

Manual Integrations

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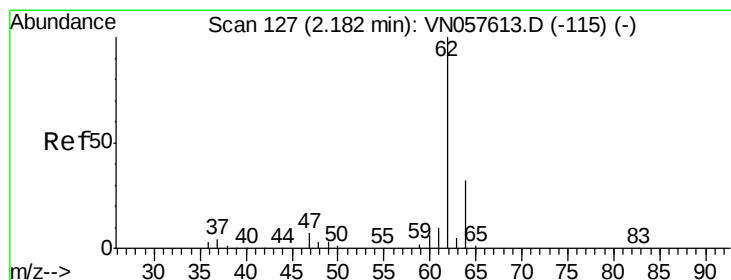
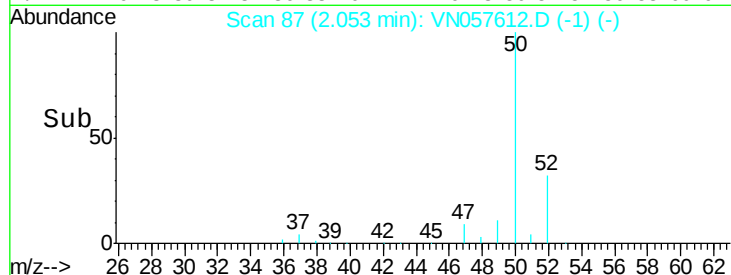
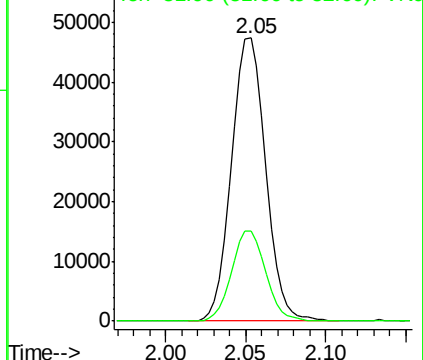
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.112 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057612.D

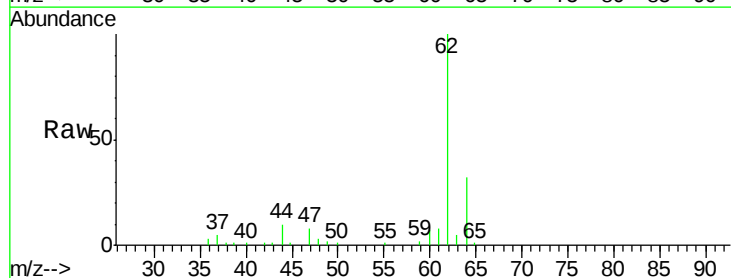
Acq: 31 Aug 2019 13:35

Tgt Ion: 62 Resp: 52775

Ion Ratio Lower Upper

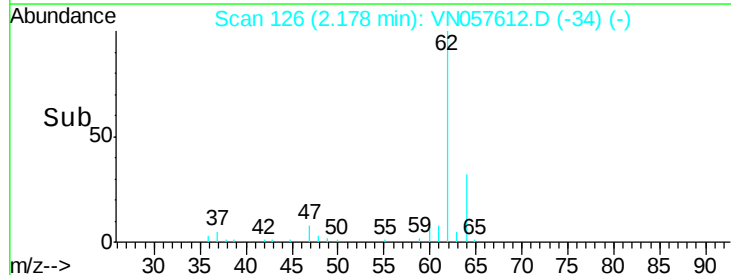
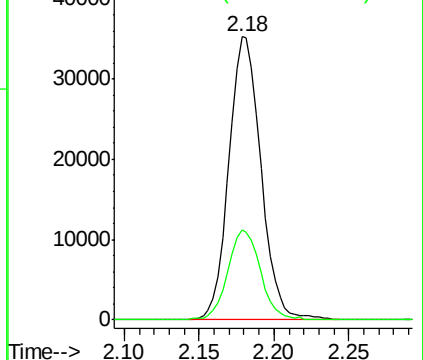
62 100

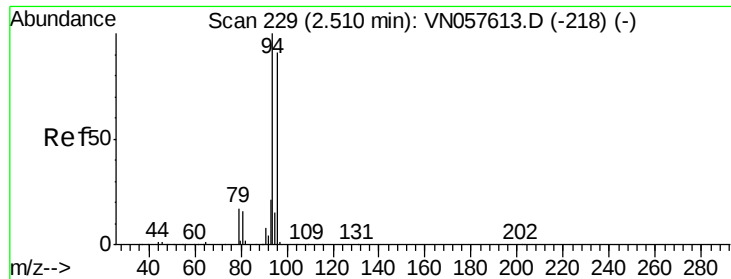
64 31.6 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.631 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 33459

Ion Ratio Lower Upper

94 100

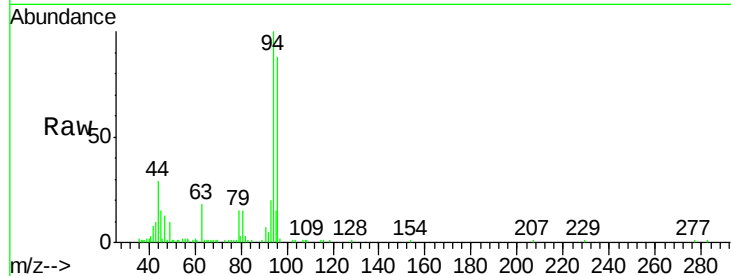
96 88.0 72.9 109.3

Manual Integrations

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9/3/2019 11:51:52 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.51

30000

25000

20000

15000

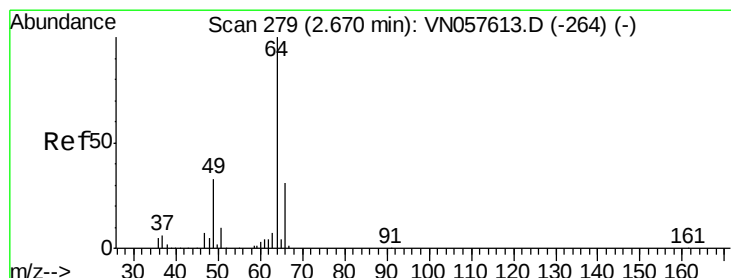
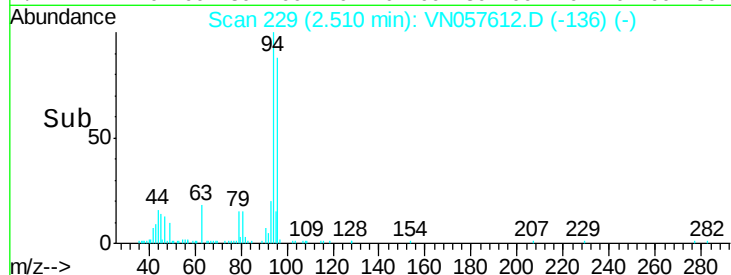
10000

5000

0

Time-->

2.45 2.50 2.55



#6

Chloroethane

Concen: 13.265 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN057612.D

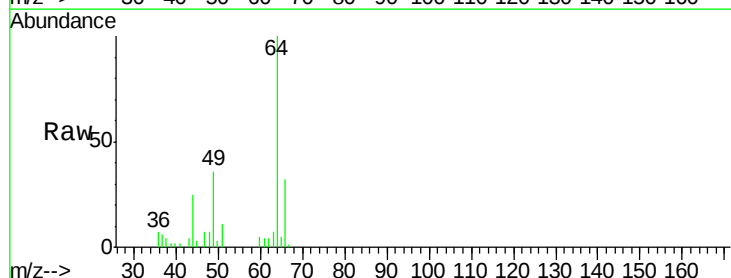
Acq: 31 Aug 2019 13:35

Tgt Ion: 64 Resp: 29539

Ion Ratio Lower Upper

64 100

66 31.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

15000

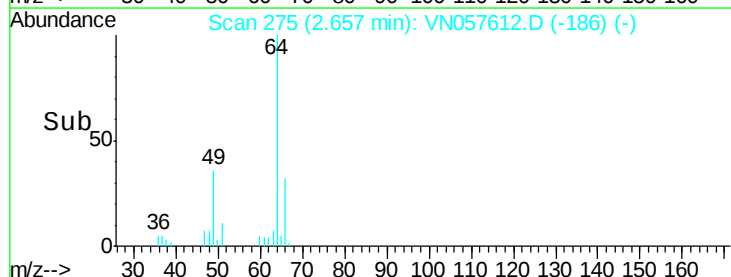
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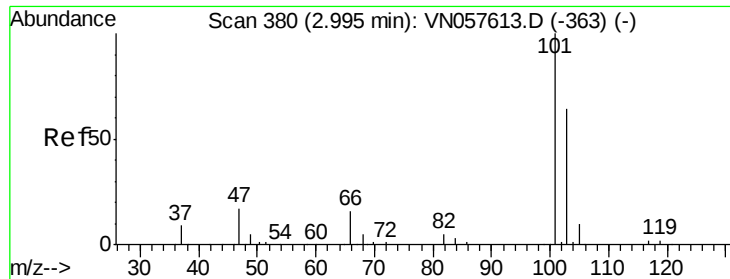
5000

0

Time-->

2.55 2.60 2.65 2.70 2.75





#7

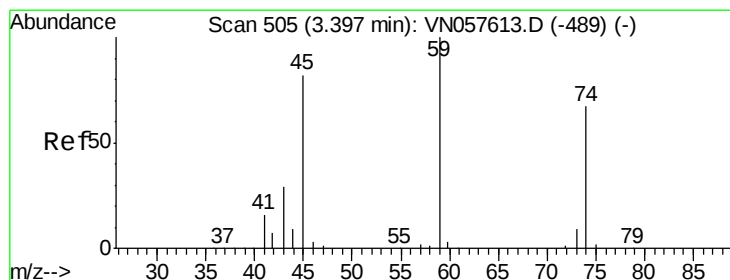
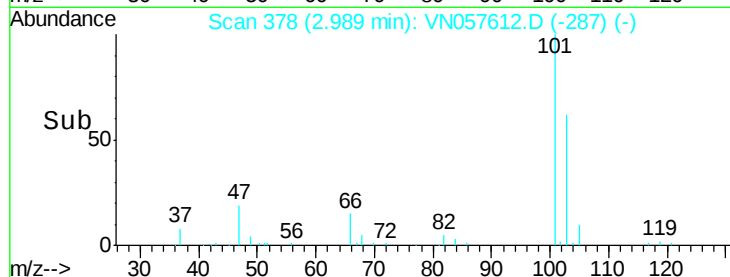
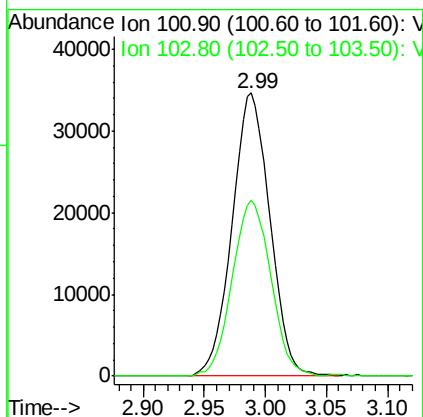
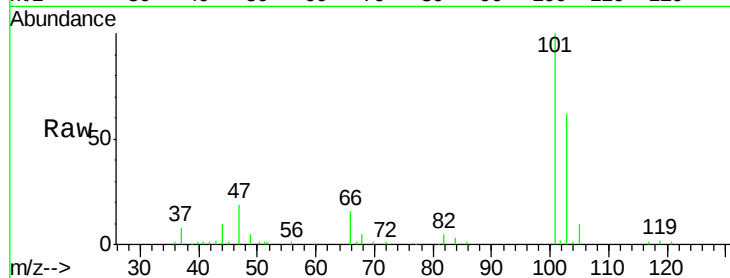
Trichlorofluoromethane
Concen: 13.766 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.01 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

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VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	51.3	76.9

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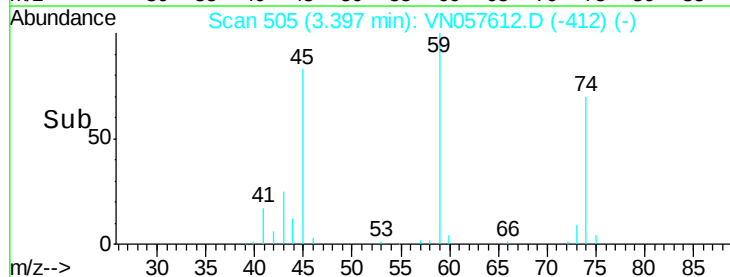
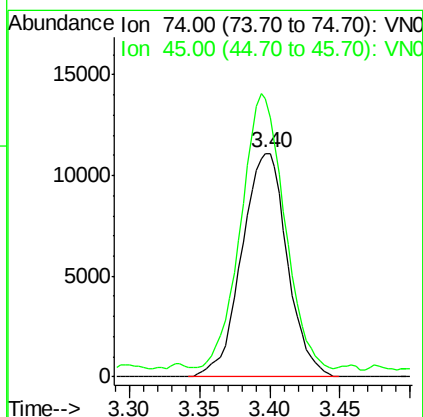
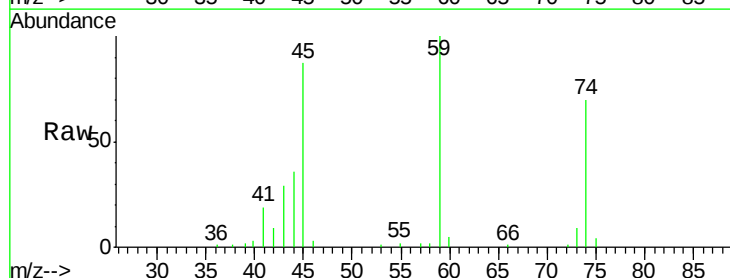
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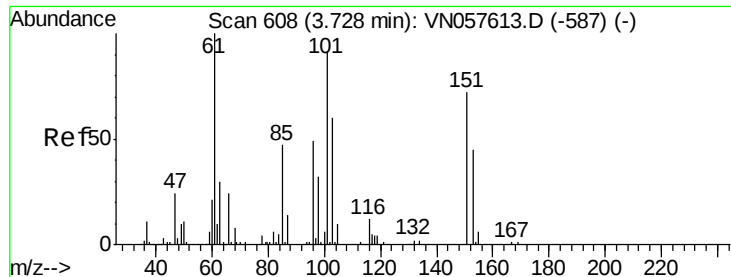


#8

Diethyl Ether
Concen: 12.400 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.9	61.9	185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.558 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

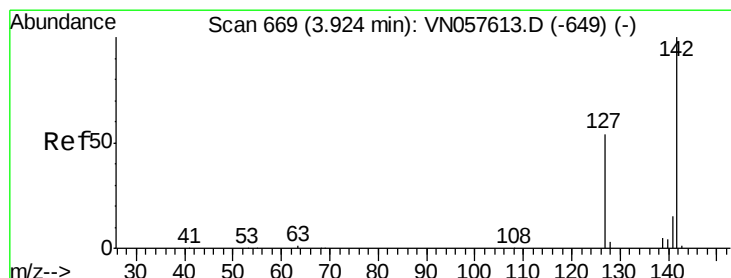
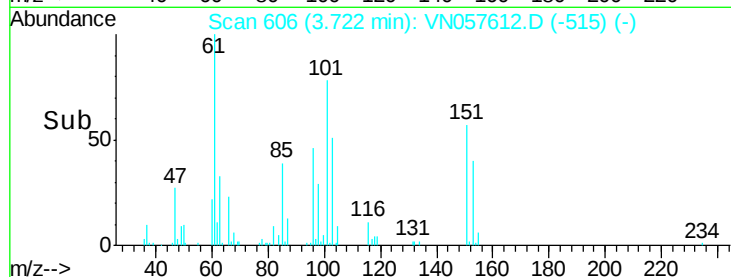
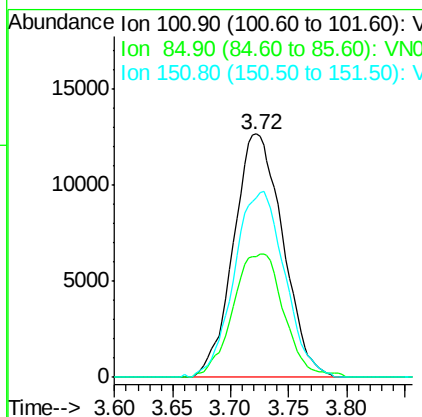
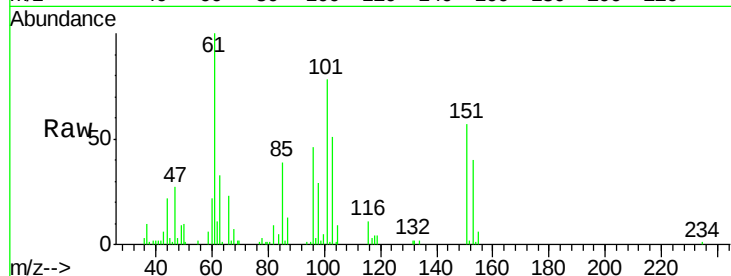
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	37295
Ion Ratio	Lower	Upper	
101	100		
85	52.6	42.1	63.1
151	78.4	60.2	90.4

Manual Integrations
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MMDadoda
9/3/2019 11:51:52 AM



#10

Methyl Iodide

Concen: 21.095 ug/l

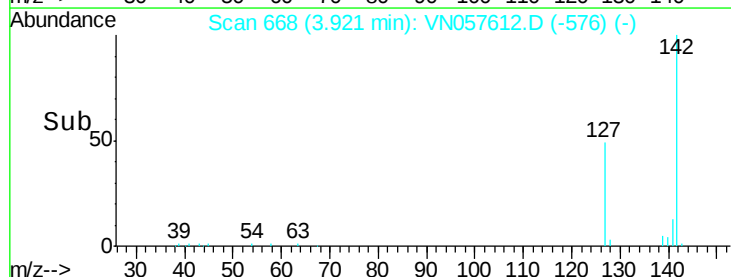
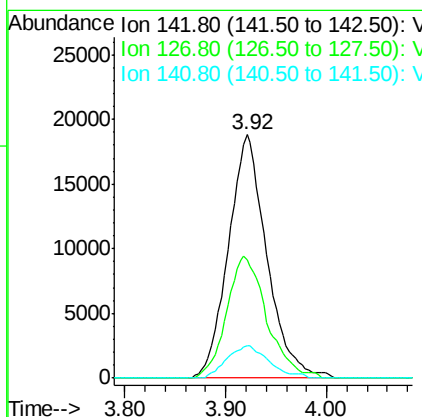
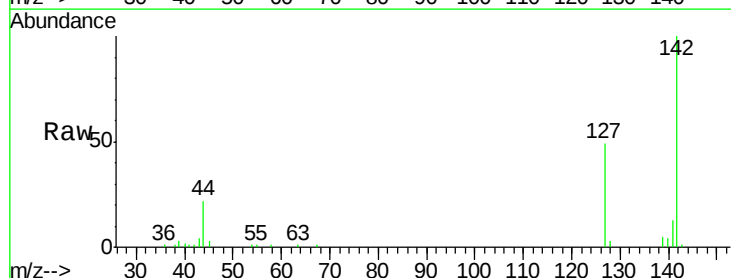
RT: 3.92 min Scan# 668

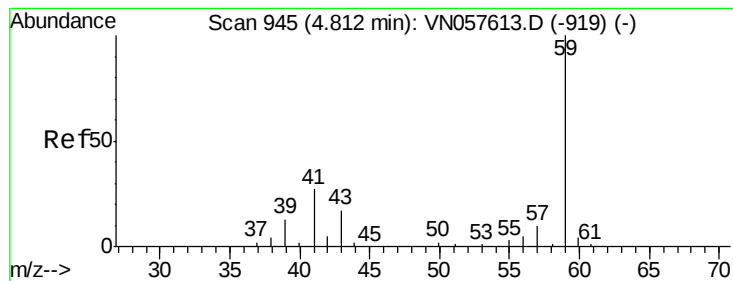
Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion:	142	Resp:	49744
Ion Ratio	Lower	Upper	
142	100		
127	52.4	43.0	64.6
141	14.6	11.4	17.2





#11

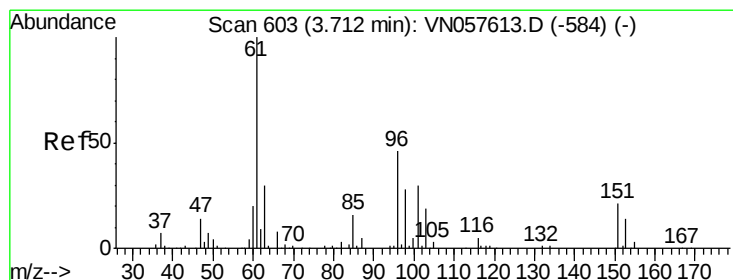
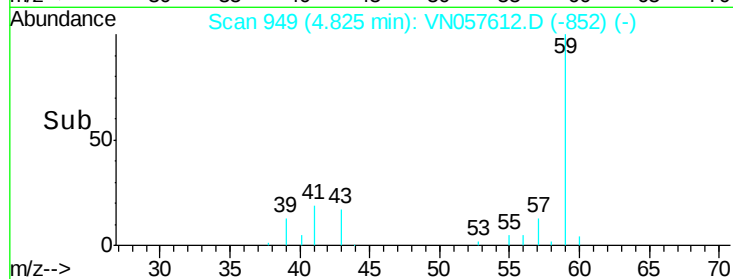
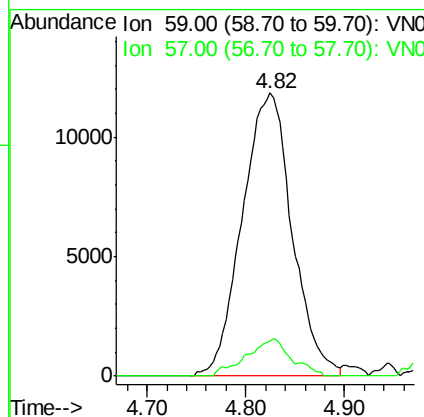
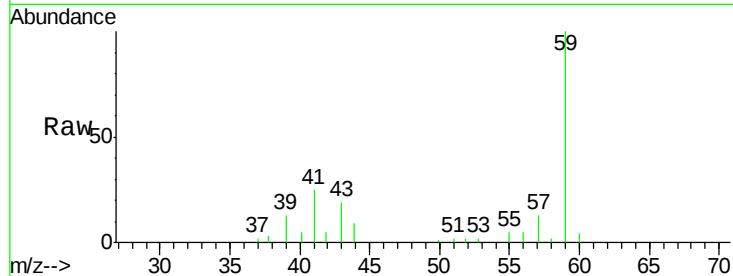
Tert butyl alcohol
 Concen: 103.724 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	59	57	Ratio	100	10.5	Resp	41528	Lower	Upper
Ion	59	57	Ratio	100	10.5	Resp	41528	Lower	Upper
								5.0	7.6#

Manual Integrations
 APPROVED

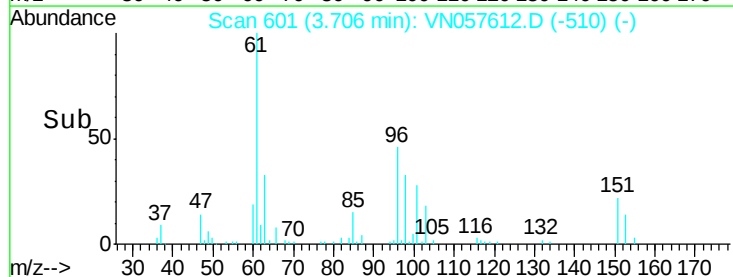
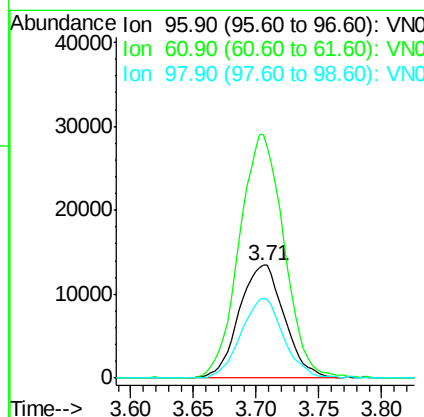
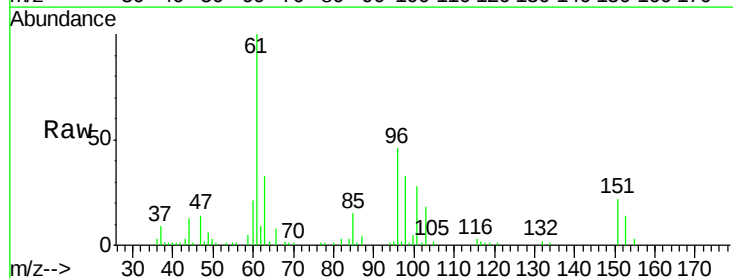
MMDadoda
 9/3/2019 11:51:52 AM

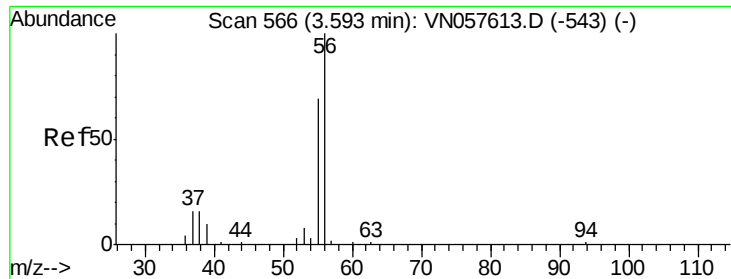


#12

1,1-Dichloroethene
 Concen: 11.895 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion	96	61	98	Ratio	100	215.9	70.7	Resp	33753	Lower	Upper
Ion	96	61	98	Ratio	100	215.9	70.7	Resp	33753	Lower	Upper
										172.1	258.1
										48.3	72.5





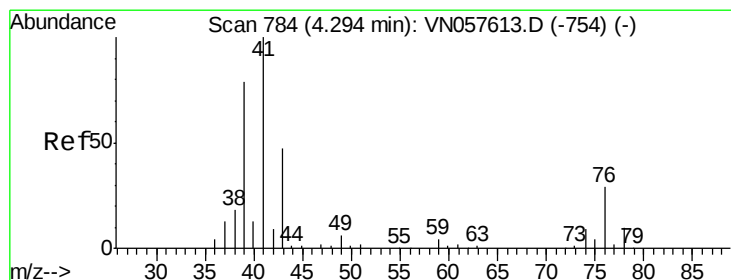
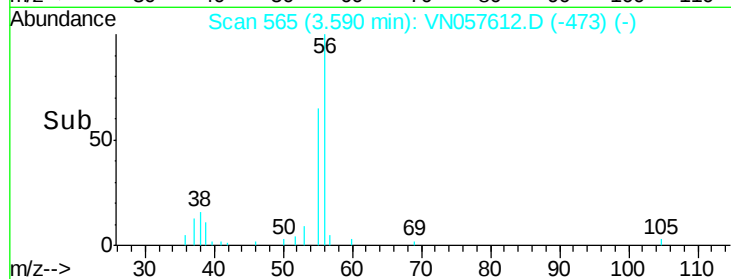
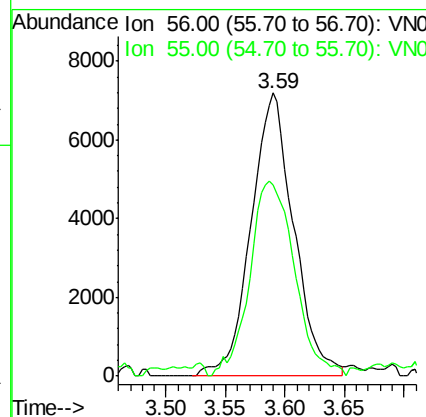
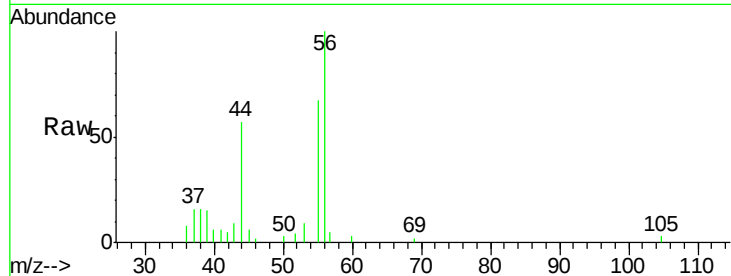
#13
Acrolein
Concen: 58.240 ug/l
RT: 3.59 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 17840
Ion Ratio Lower Upper
56 100
55 72.3 56.5 84.7

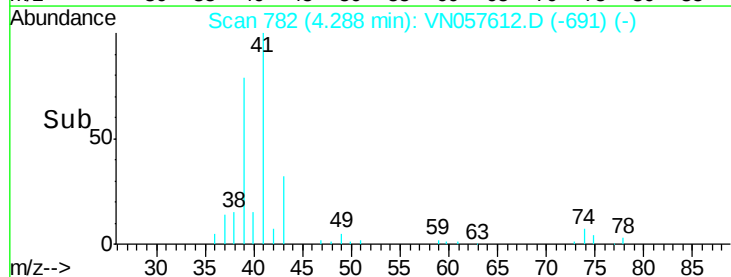
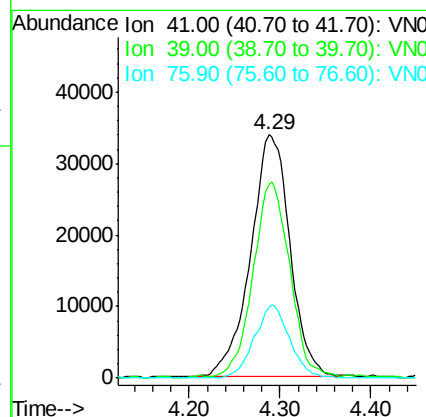
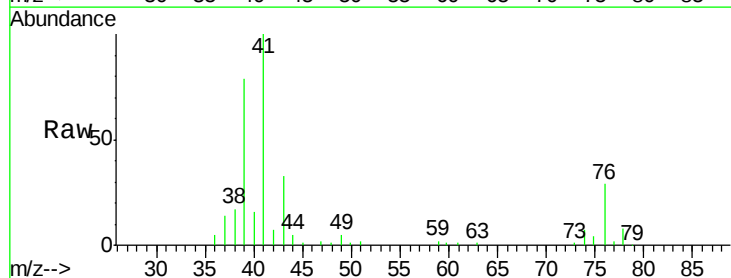
Manual Integrations
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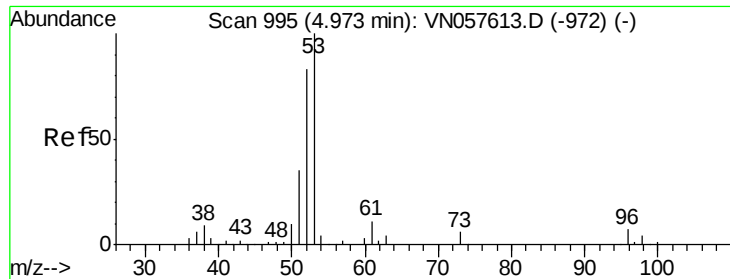
MMDadoda
9/3/2019 11:51:52 AM



#14
Allyl chloride
Concen: 22.190 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.01 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 41 Resp: 101784
Ion Ratio Lower Upper
41 100
39 73.6 60.9 91.3
76 27.0 21.1 31.7





#15

Acrylonitrile

Concen: 117.188 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

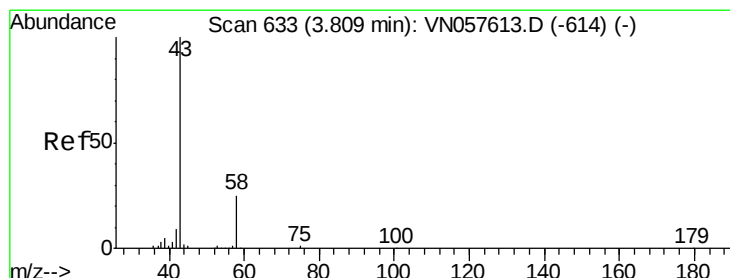
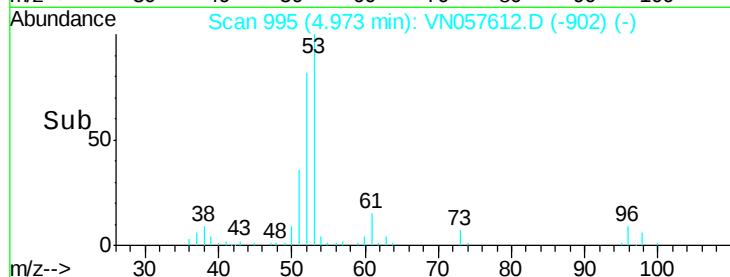
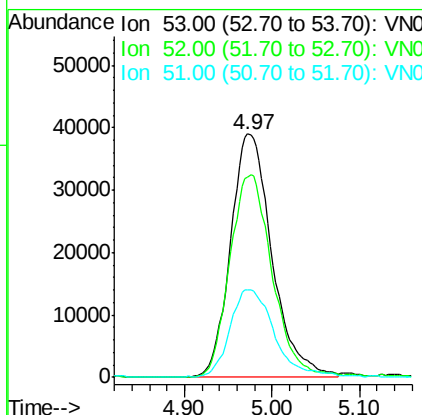
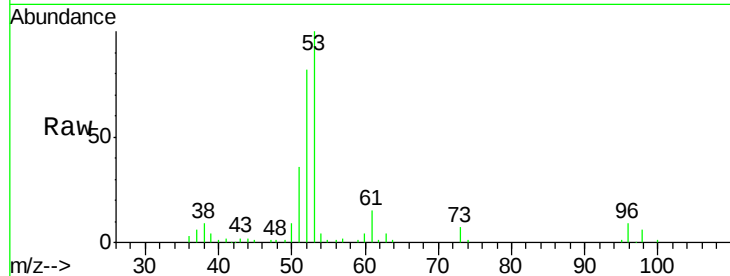
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	128539
Ion	Ratio	Lower	Upper
53	100		
52	85.1	67.1	100.7
51	38.5	30.2	45.4

Manual Integrations
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9/3/2019 11:51:52 AM



#16

Acetone

Concen: 84.877 ug/l

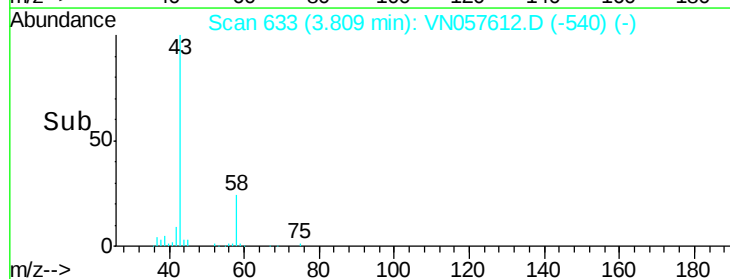
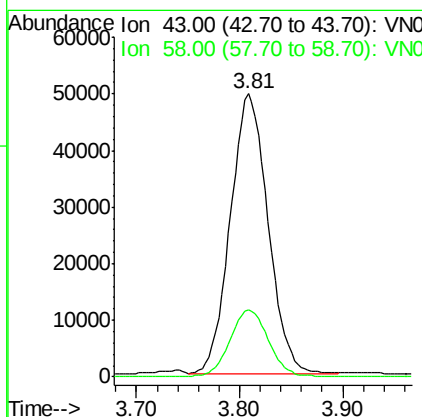
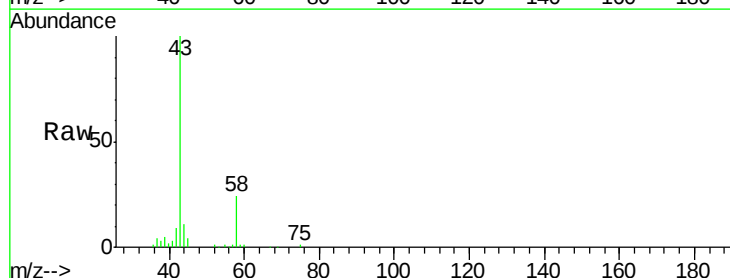
RT: 3.81 min Scan# 633

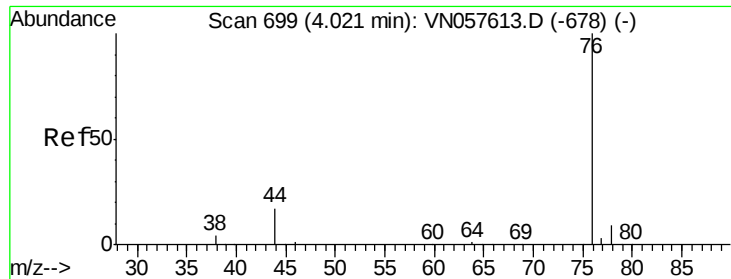
Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion:	43	Resp:	125254
Ion	Ratio	Lower	Upper
43	100		
58	23.9	20.0	30.0





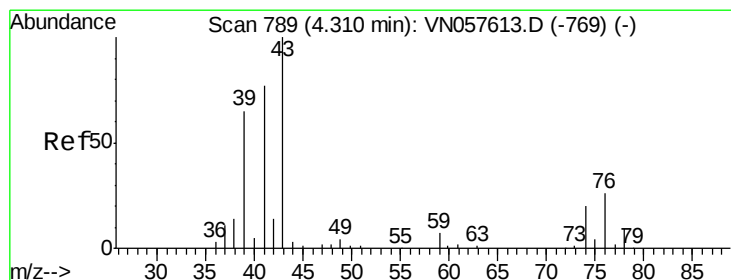
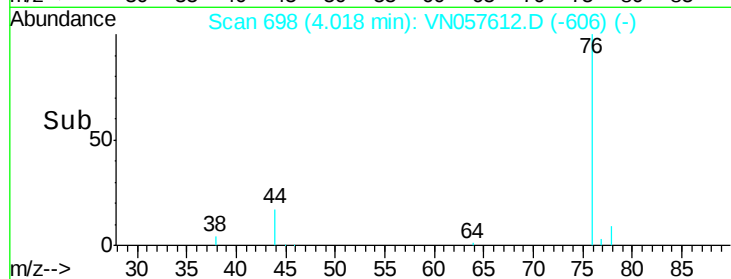
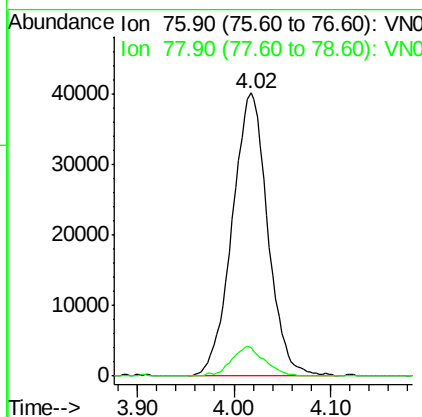
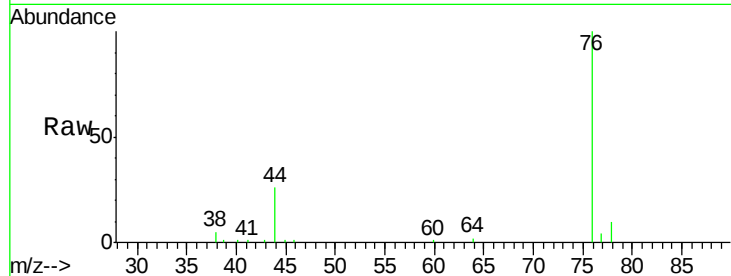
#17
Carbon Disulfide
Concen: 17.641 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.9	10.3

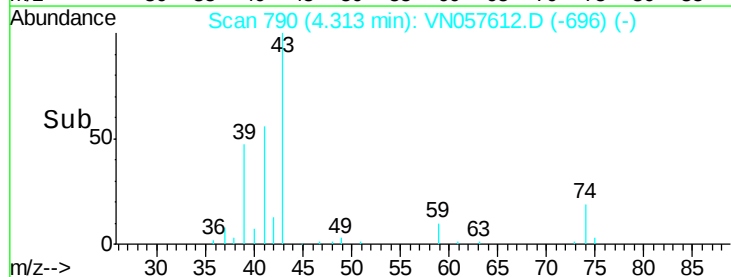
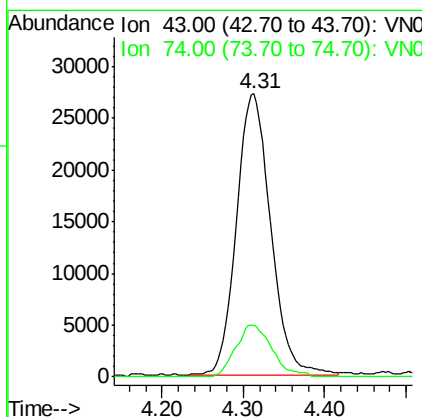
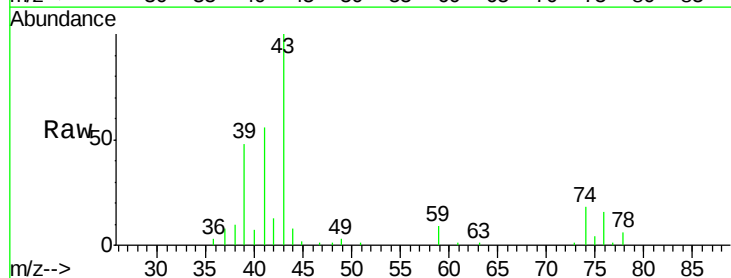
Manual Integrations
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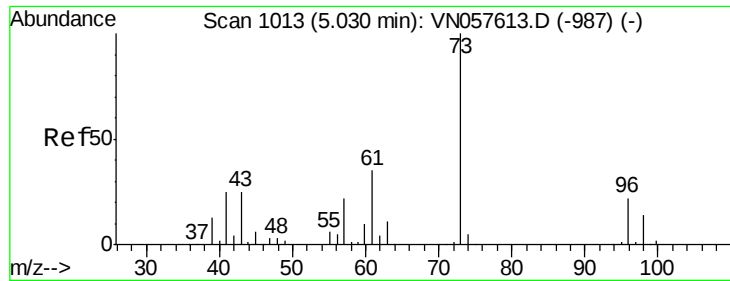
MMDadoda
9/3/2019 11:51:52 AM



#18
Methyl Acetate
Concen: 20.622 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.7	23.5





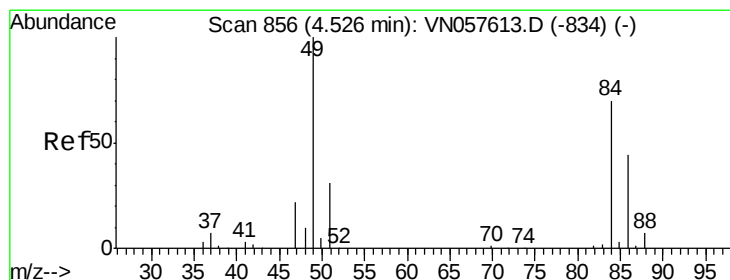
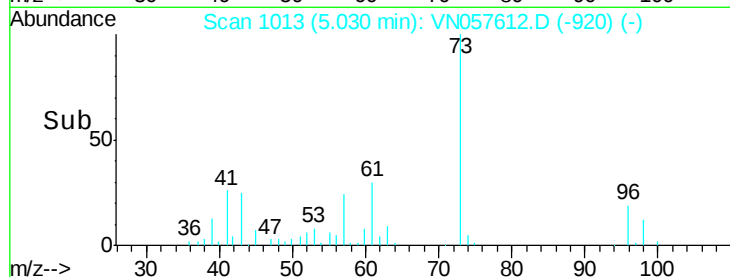
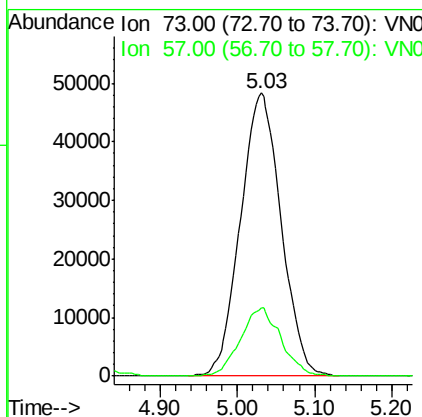
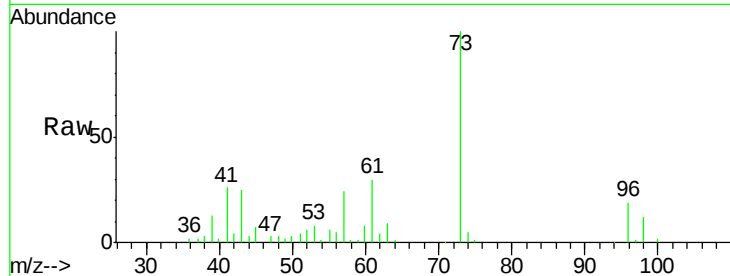
#19
Methvl tert-butvl Ether
Concen: 23.122 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 176667
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9

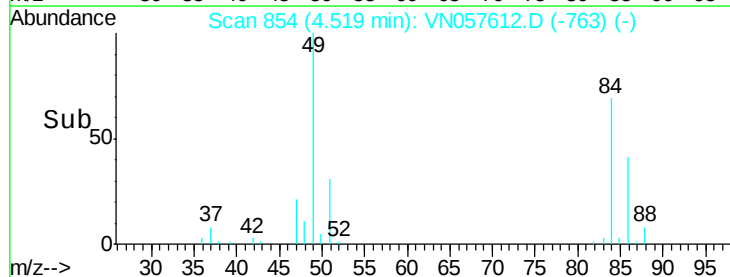
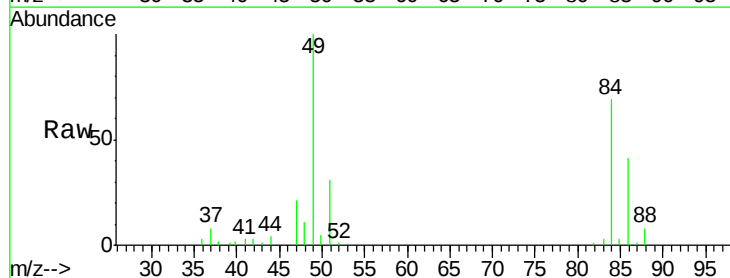
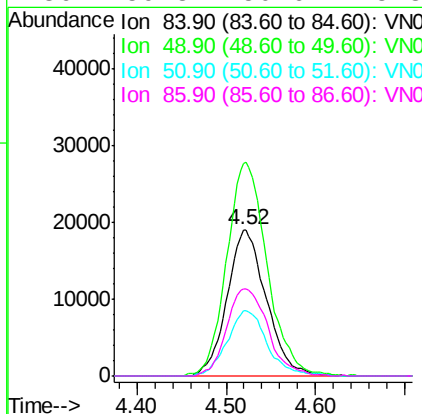
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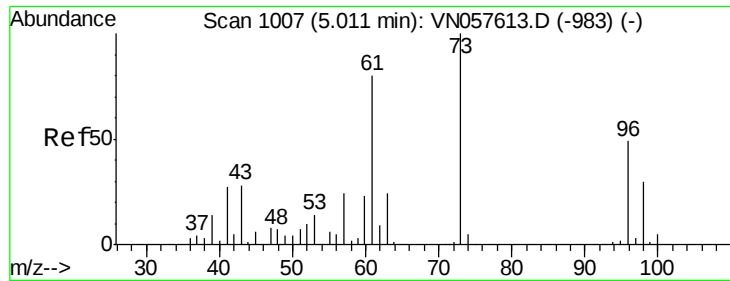
MMDadoda
9/3/2019 11:51:52 AM



#20
Methylene Chloride
Concen: 23.449 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 84 Resp: 57947
Ion Ratio Lower Upper
84 100
49 143.9 113.8 170.6
51 44.6 35.0 52.6
86 59.8 50.6 75.8





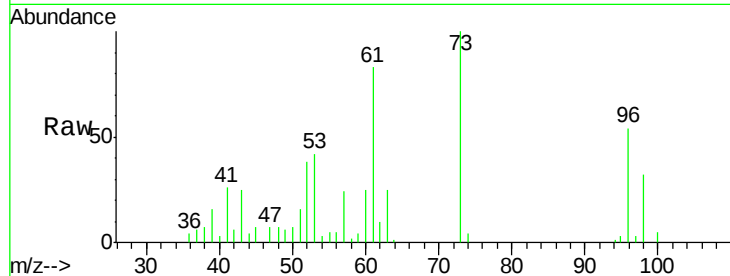
#21
trans-1,2-Dichloroethene
Concen: 23.073 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

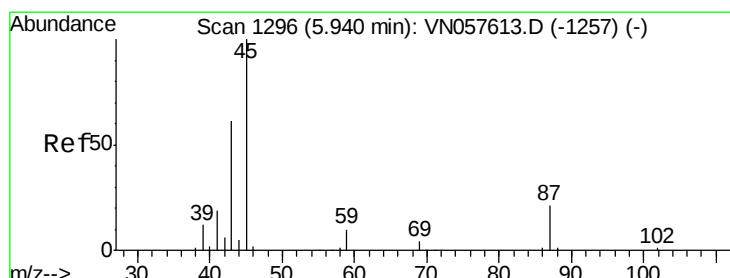
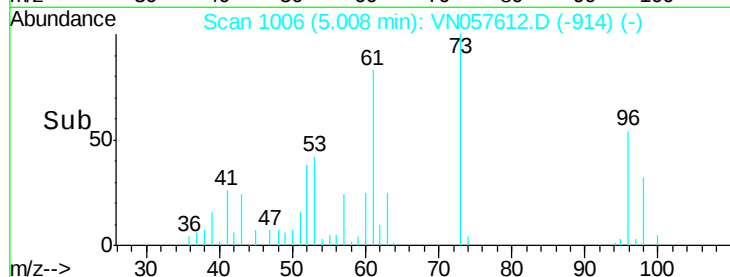
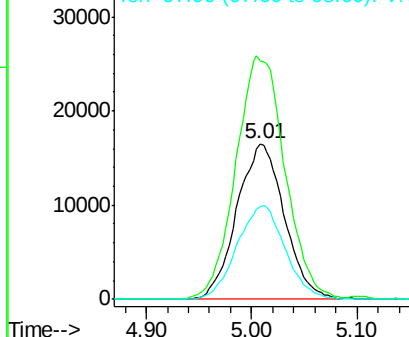
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	131.6	197.4
98	59.5	49.9	74.9

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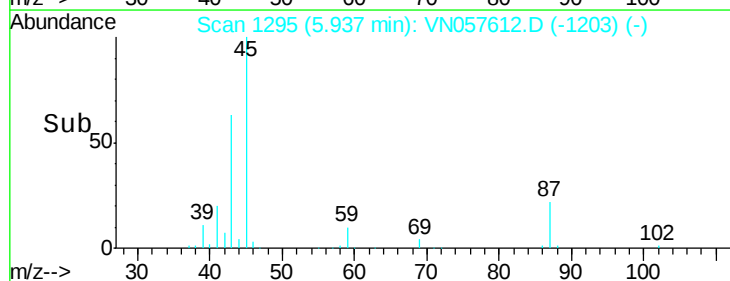
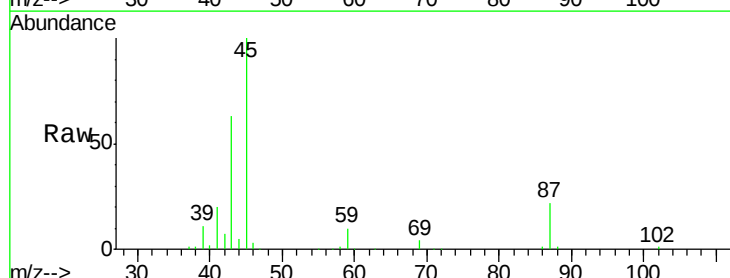
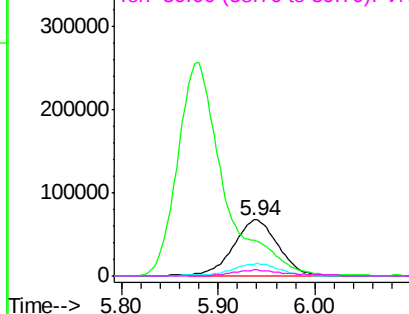
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

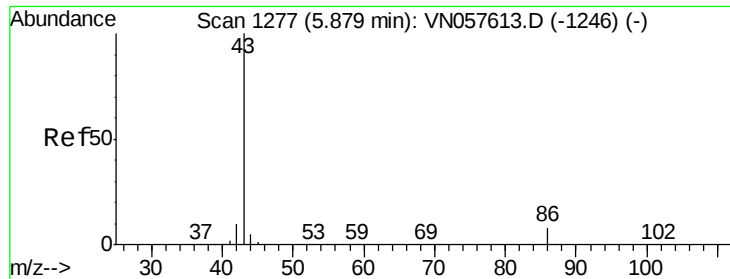


#22
Diisopropyl ether
Concen: 23.771 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	49.1	73.7
87	21.6	17.0	25.6
59	10.5	8.2	12.2

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





#23

Vinyl Acetate

Concen: 119.686 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 853267

Ion Ratio Lower Upper

43 100

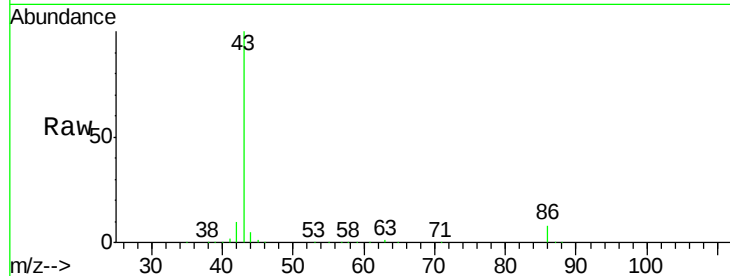
86 7.8 6.1 9.1

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

300000

250000

200000

150000

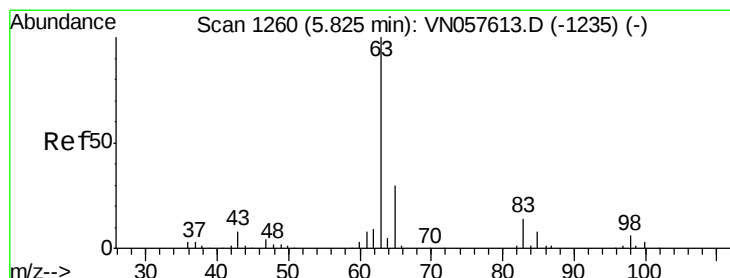
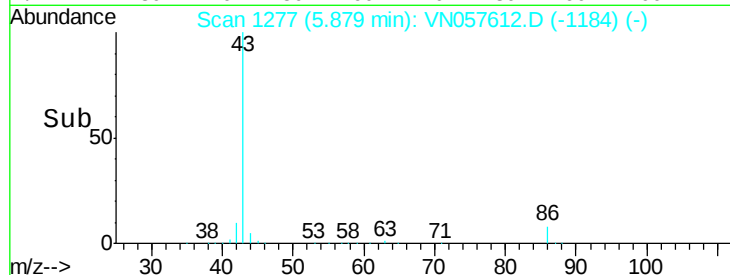
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 23.179 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

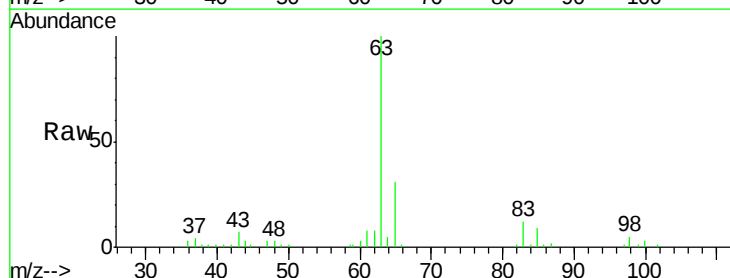
Tgt Ion: 63 Resp: 110256

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

100 2.7 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

40000

30000

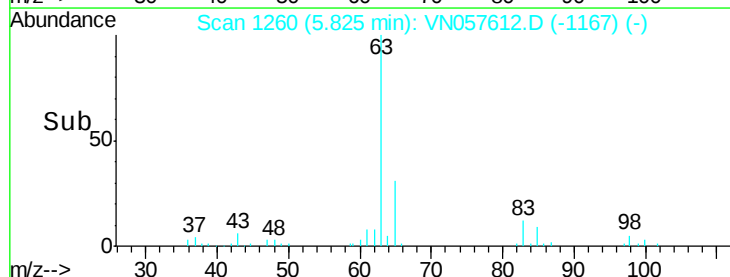
20000

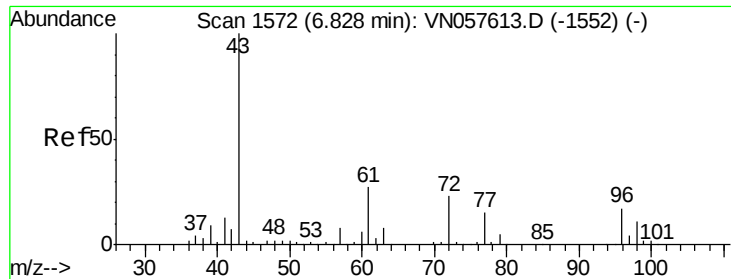
10000

0

5.70 5.80 5.90

Time-->





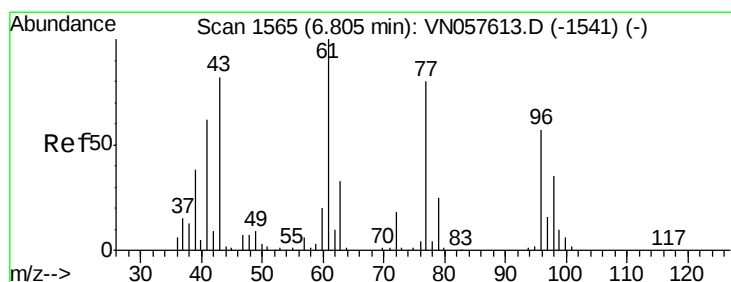
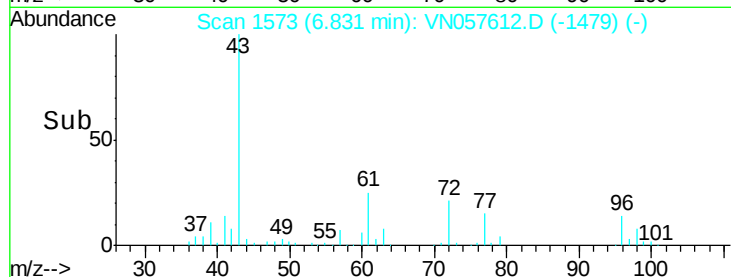
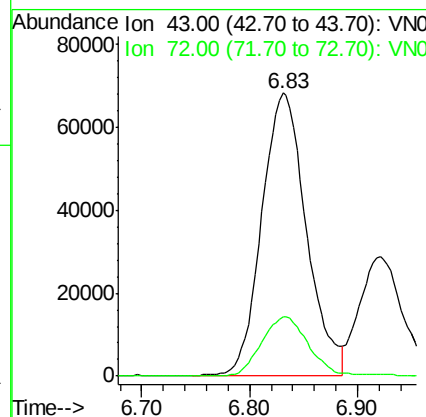
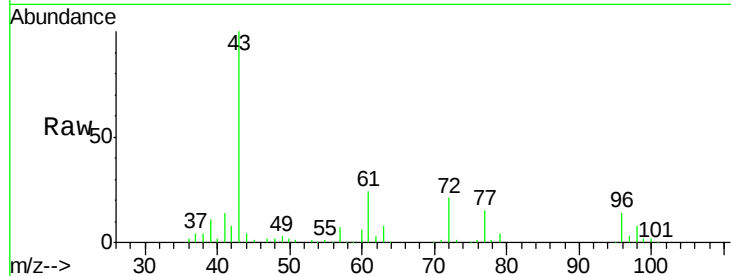
#25
2-Butanone
Concen: 118.438 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
72	20.9	18.2	27.4

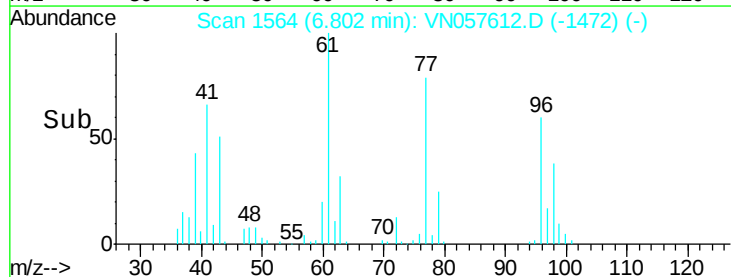
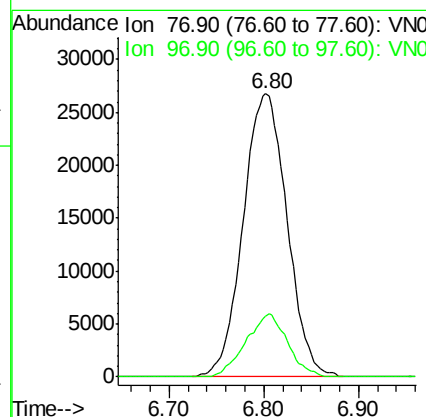
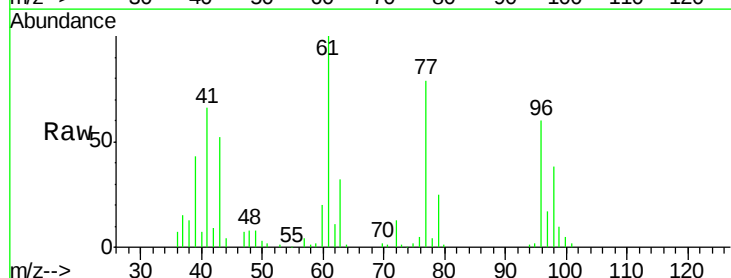
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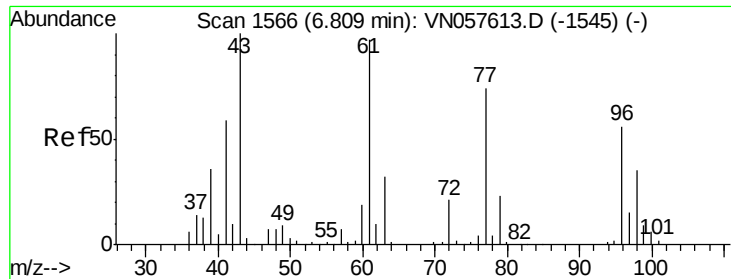
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9/3/2019 11:51:52 AM



#26
2,2-Dichloropropane
Concen: 21.146 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.6	31.8





#27

cis-1,2-Dichloroethene

Concen: 23.135 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

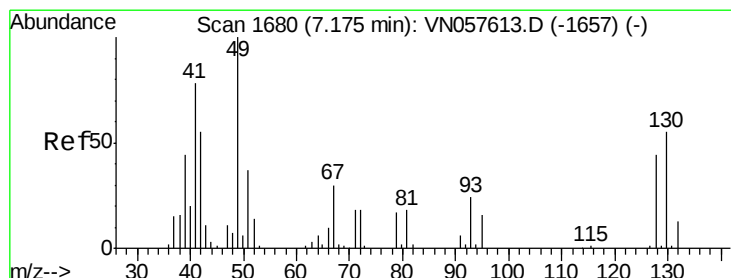
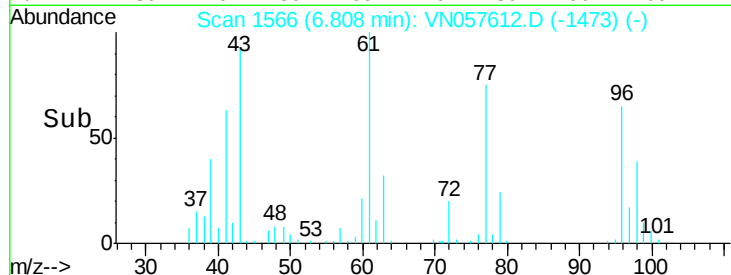
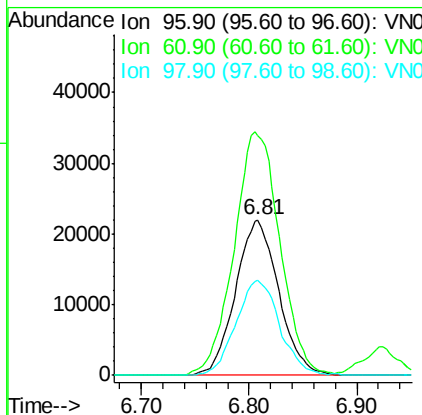
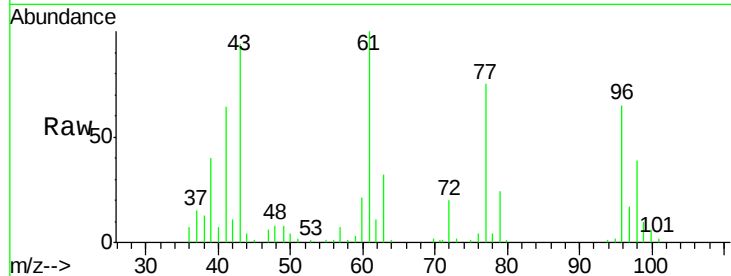
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	61048
Ion	Ratio	Lower	Upper
96	100		
61	166.5	0.0	344.6
98	62.0	0.0	124.8

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9/3/2019 11:51:52 AM



#28

Bromochloromethane

Concen: 24.130 ug/l

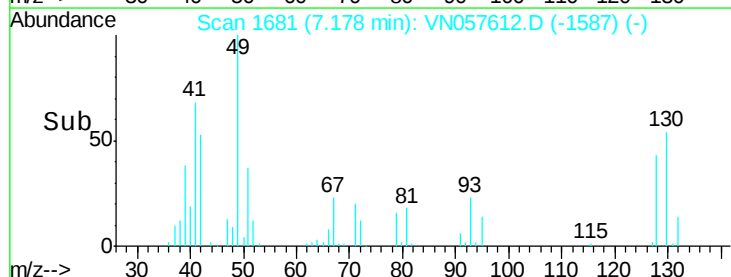
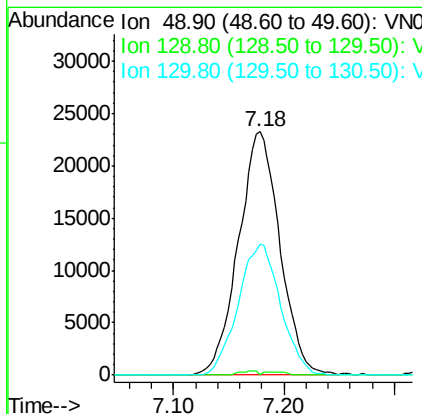
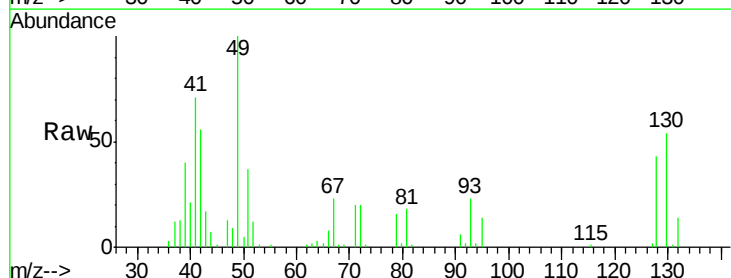
RT: 7.18 min Scan# 1681

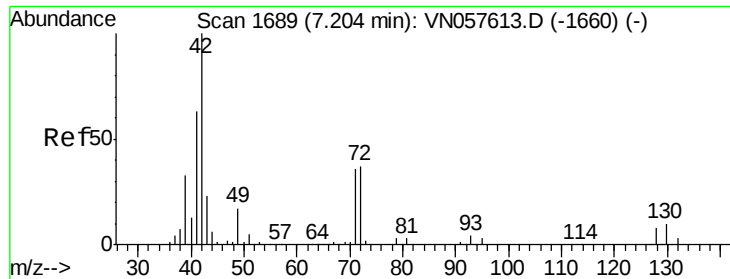
Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion:	49	Resp:	60486
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.8
130	55.0	45.8	68.8





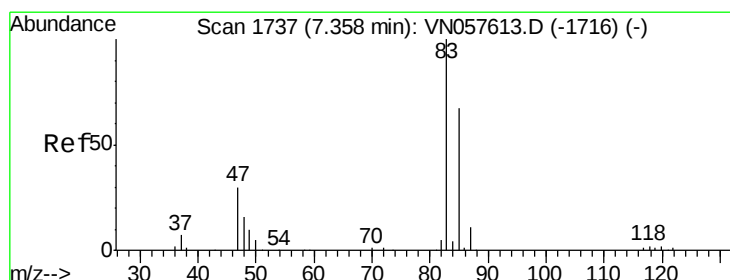
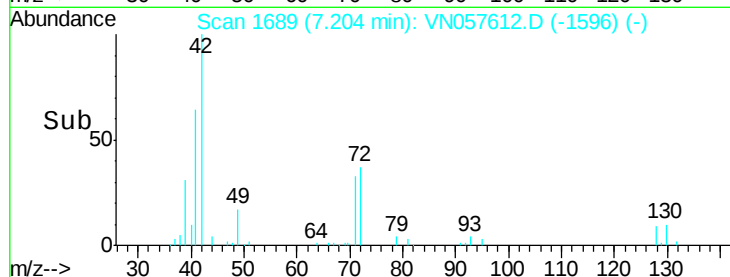
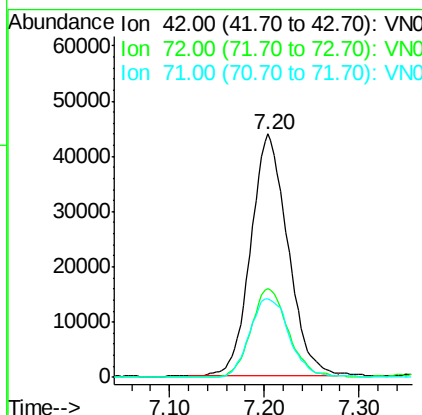
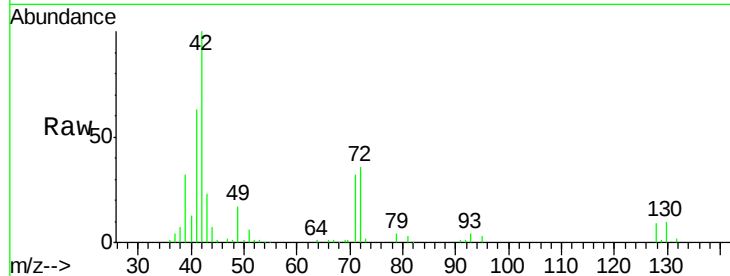
#29
Tetrahydrofuran
Concen: 111.928 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.6	44.4
71	34.9	27.9	41.9

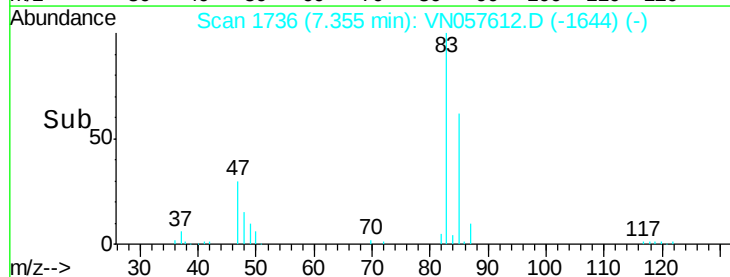
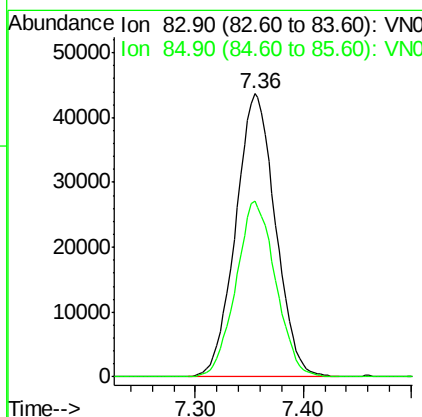
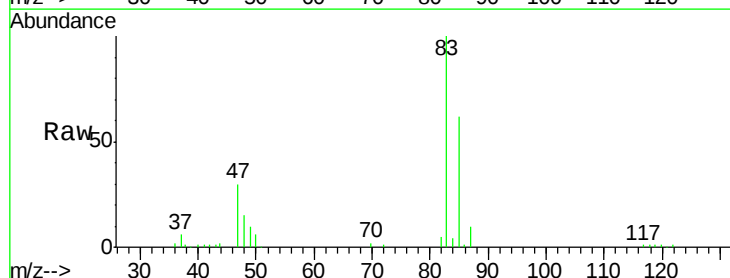
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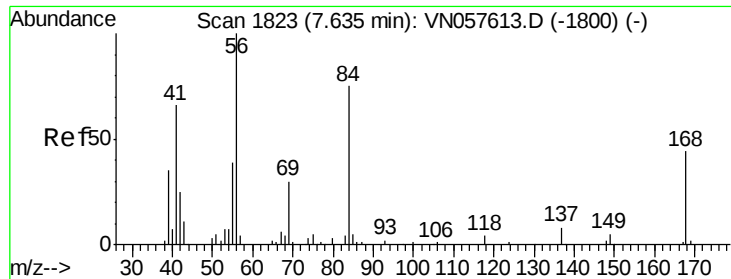
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9/3/2019 11:51:52 AM



#30
Chloroform
Concen: 22.651 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.2	79.8





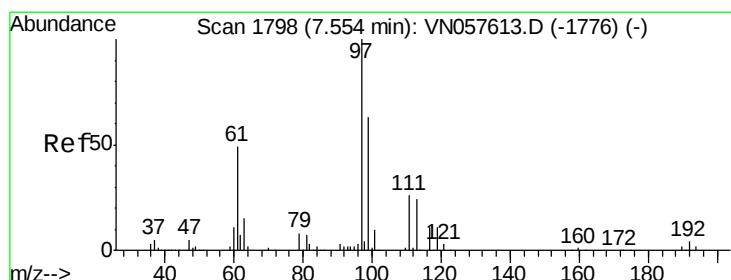
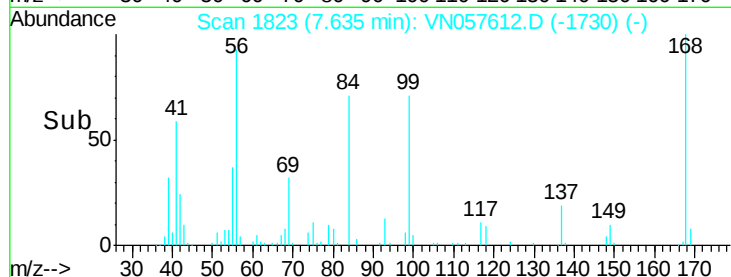
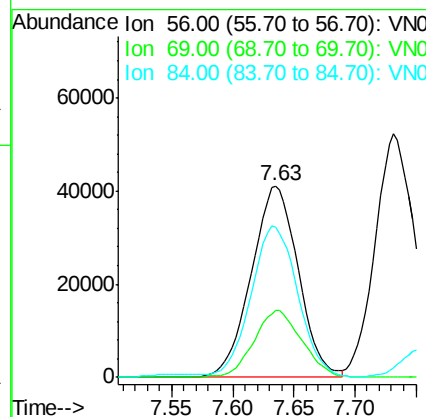
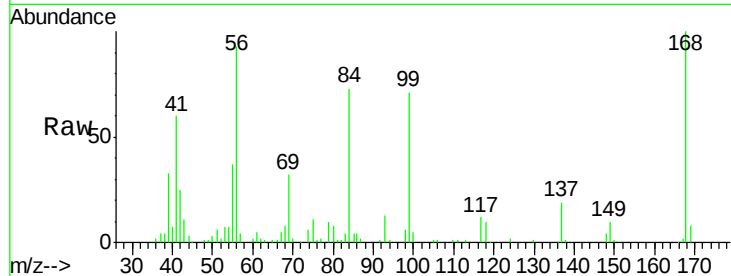
#31
Cyclohexane
Concen: 23.766 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	24.4	36.6
84	77.4	59.9	89.9

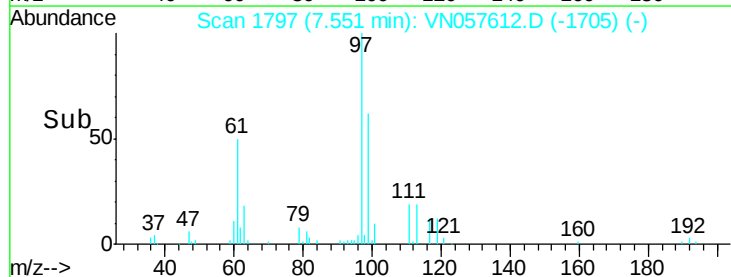
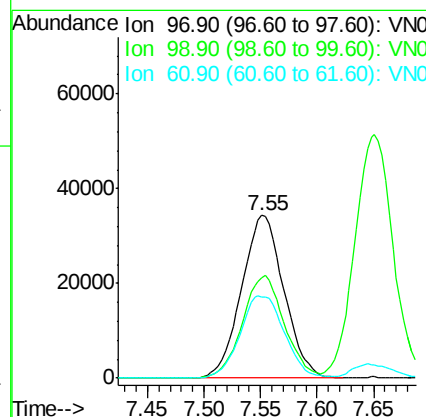
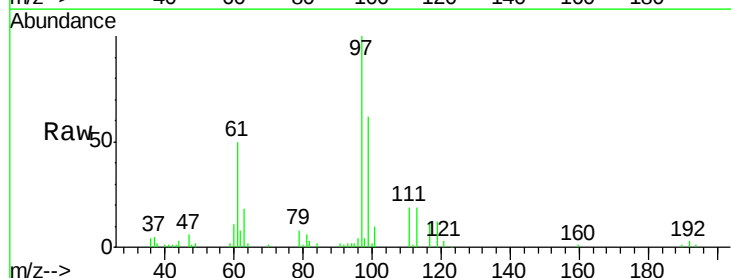
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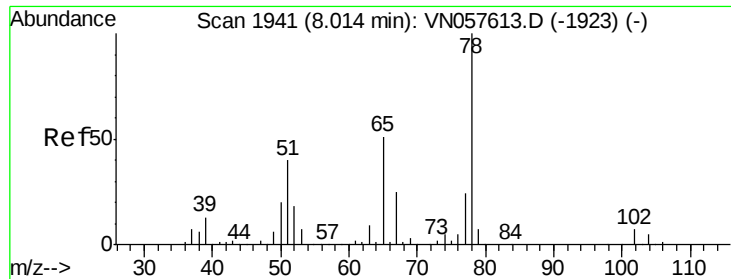
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9/3/2019 11:51:52 AM



#32
1,1,1-Trichloroethane
Concen: 22.068 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	50.6	75.8
61	52.9	41.1	61.7





#33

1,2-Dichloroethane-d4

Concen: 24.043 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 79730

Ion Ratio Lower Upper

65 100

67 49.8

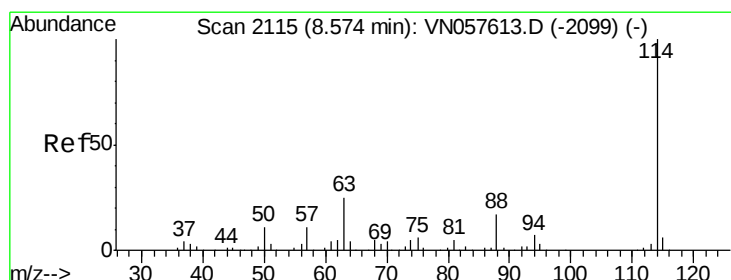
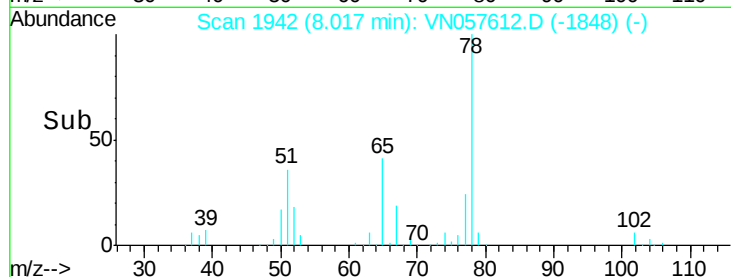
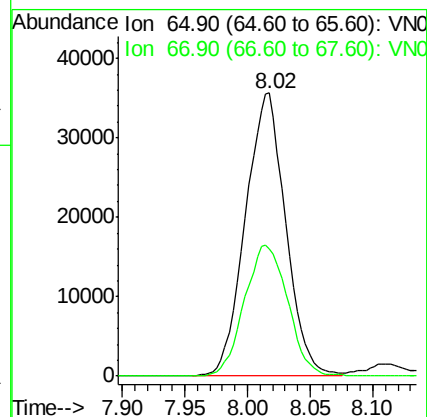
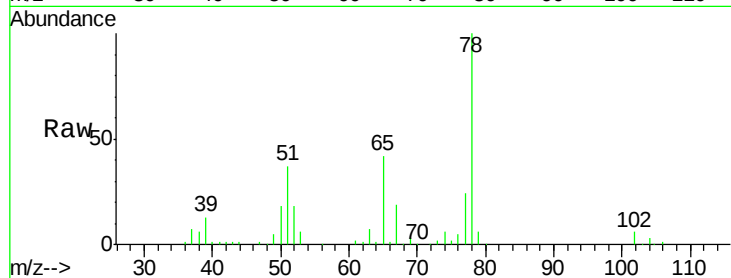
0.0 102.2

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9/3/2019 11:51:52 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion: 114 Resp: 295555

Ion Ratio Lower Upper

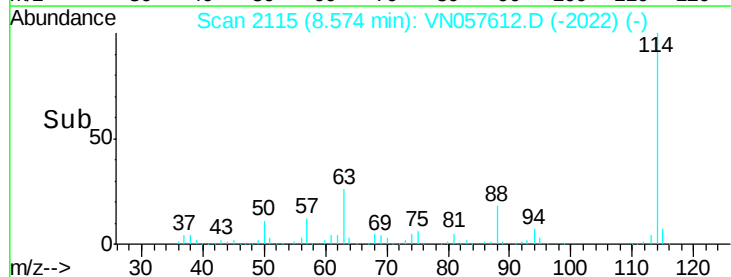
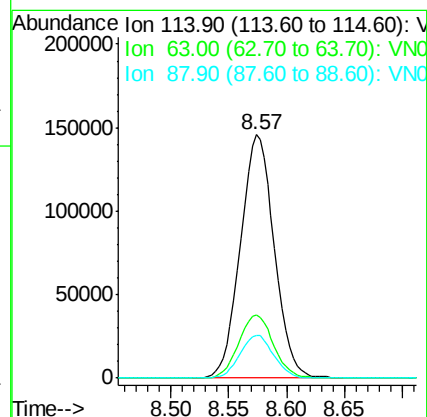
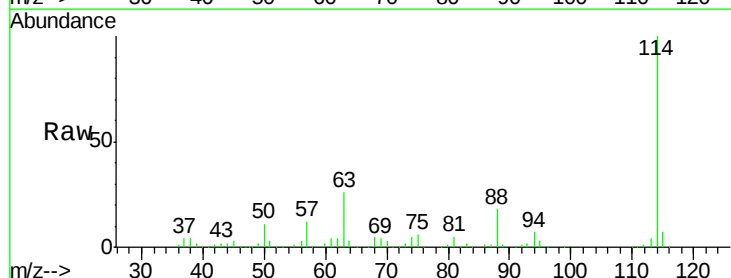
114 100

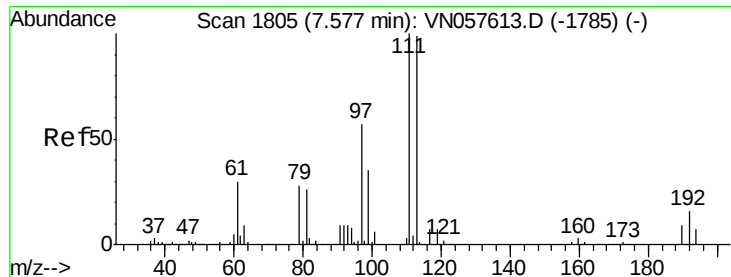
63 25.7

88 17.8

0.0 49.0

0.0 33.0





#35

Dibromofluoromethane

Concen: 23.507 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

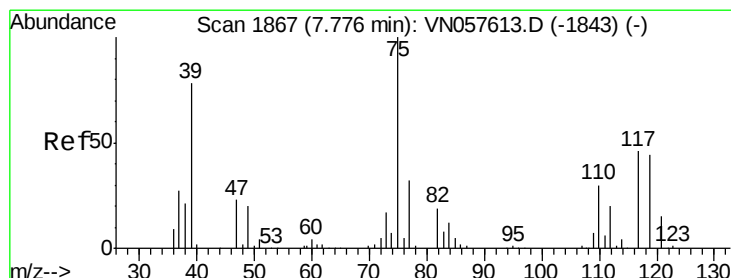
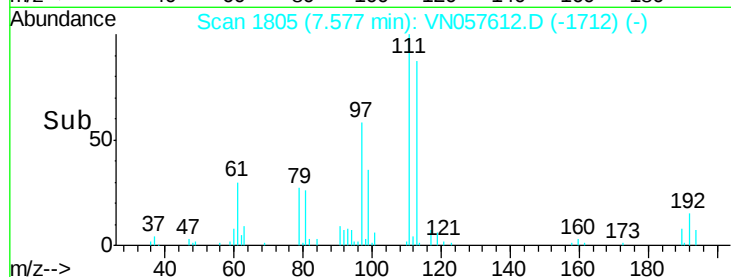
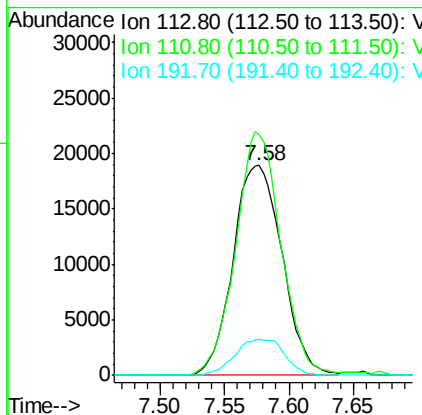
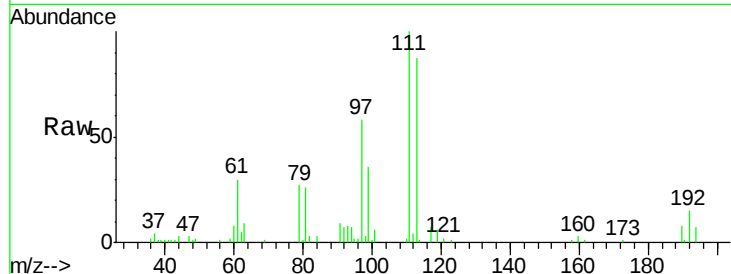
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	50167
Ion	Ratio	Lower	Upper
113	100		
111	107.0	81.3	121.9
192	17.2	13.5	20.3

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#36

1,1-Dichloropropene

Concen: 25.885 ug/l

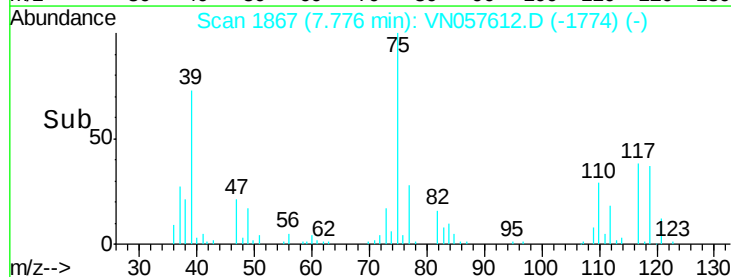
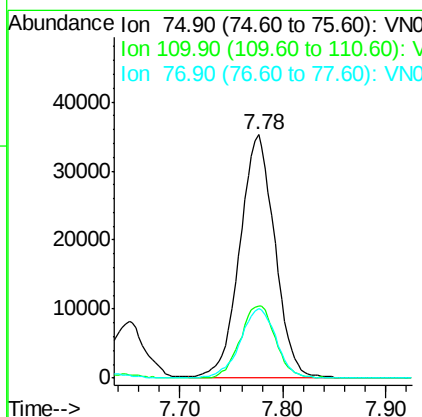
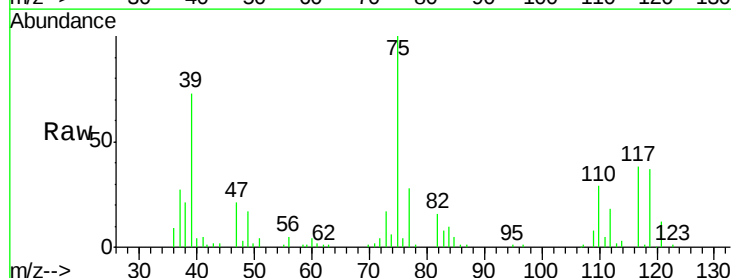
RT: 7.78 min Scan# 1867

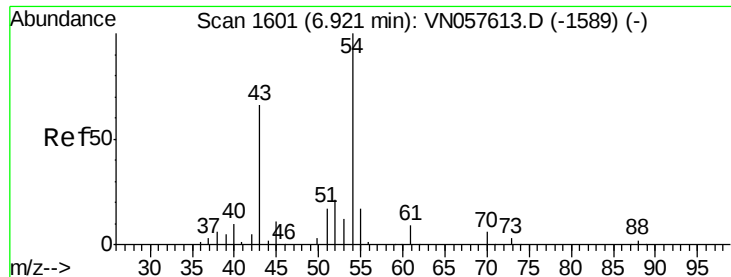
Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion:	75	Resp:	83495
Ion	Ratio	Lower	Upper
75	100		
110	29.6	15.6	46.8
77	29.1	24.9	37.3





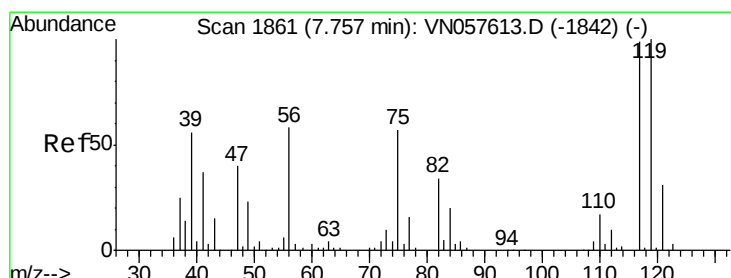
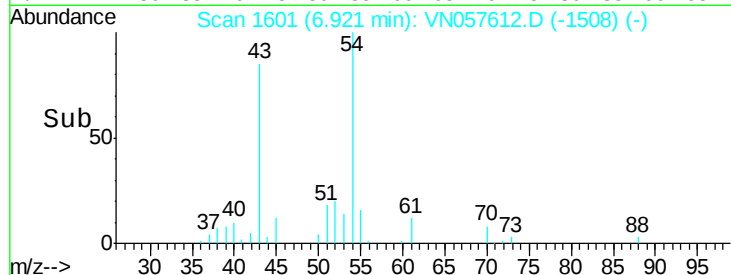
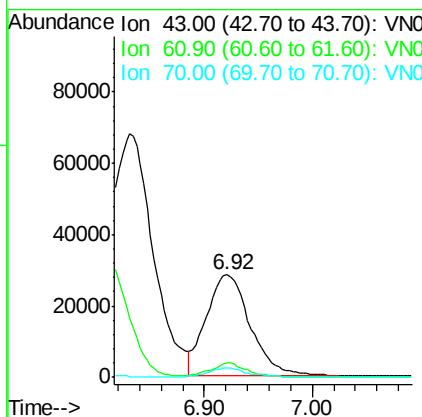
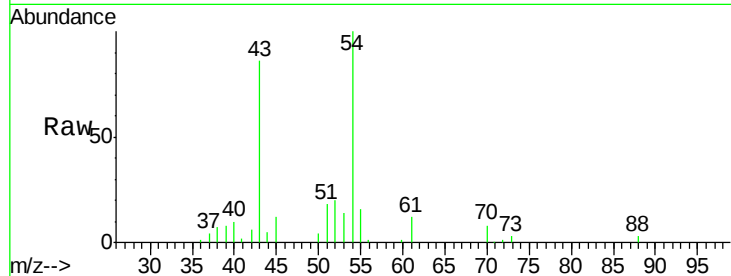
#37
Ethyl Acetate
Concen: 25.363 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.1	15.1
70	8.6	6.8	10.2

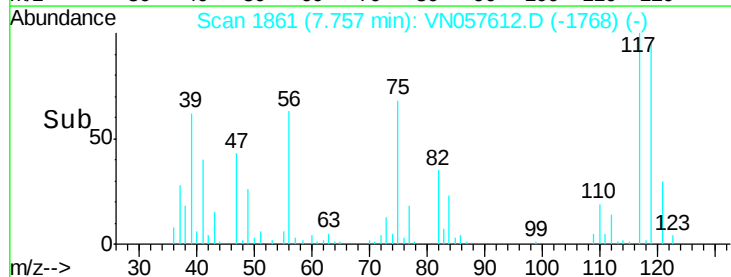
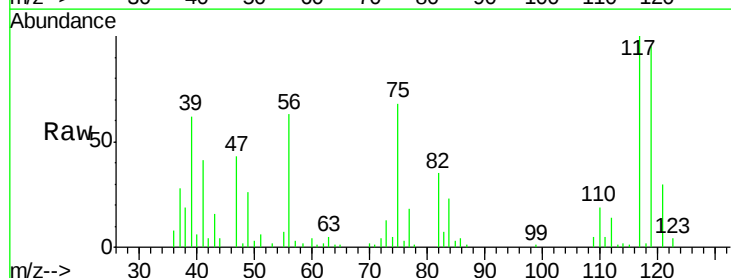
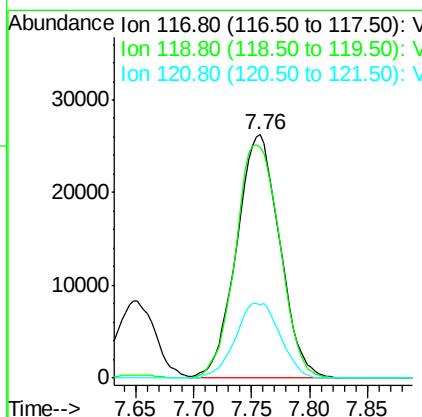
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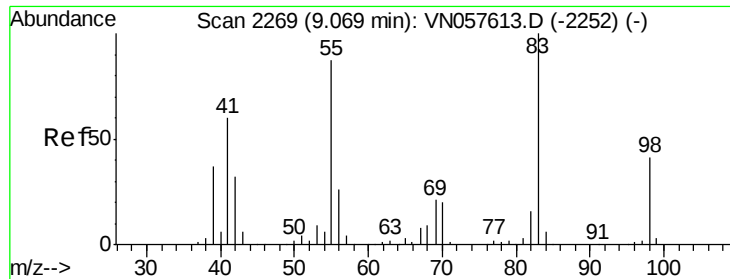
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#38
Carbon Tetrachloride
Concen: 21.697 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	80.6	120.8
121	30.3	25.1	37.7





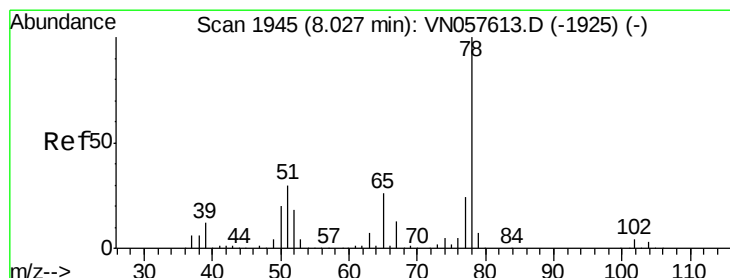
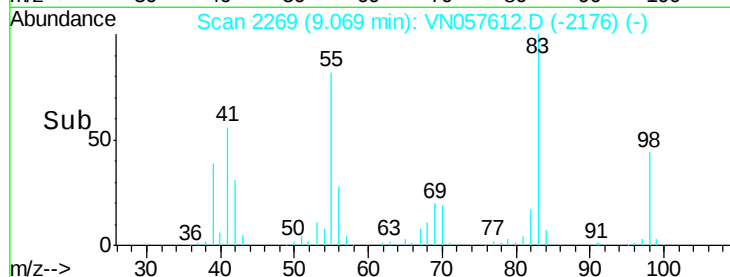
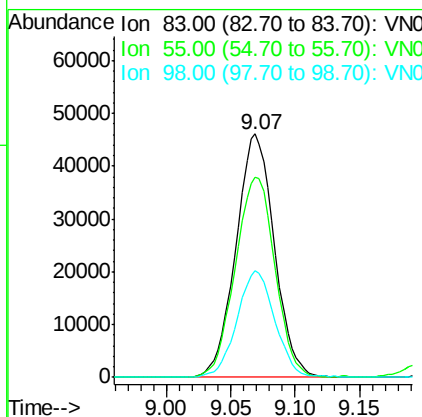
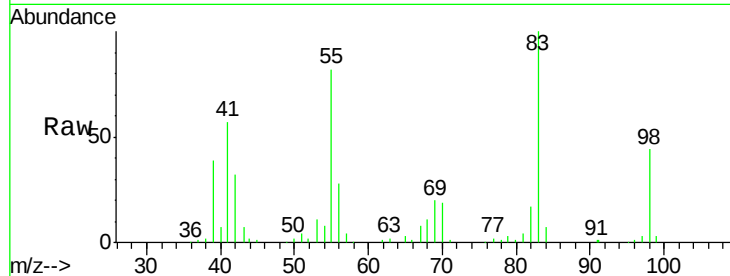
#39
Methvlcvclohexane
Concen: 25.010 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp	95544
Ion	Ratio	Lower	Upper
83	100		
55	82.1	69.8	104.8
98	43.6	32.7	49.1

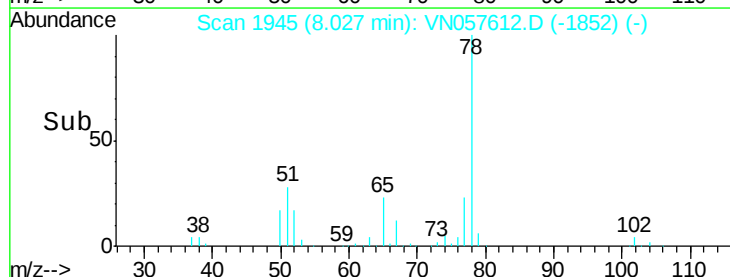
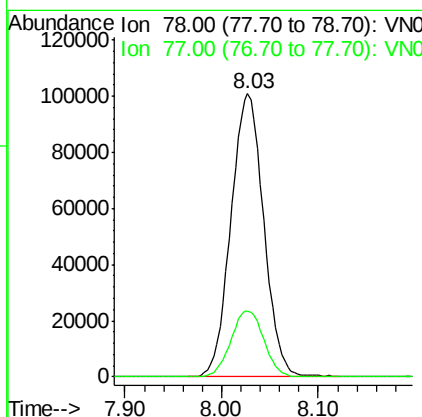
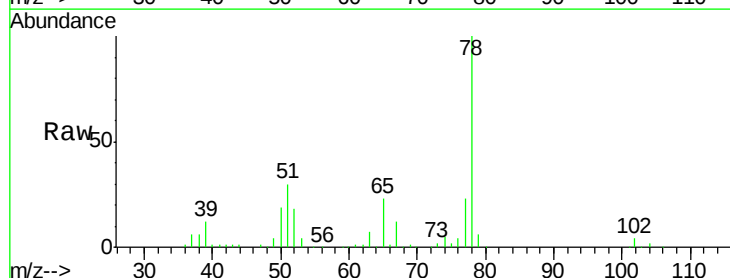
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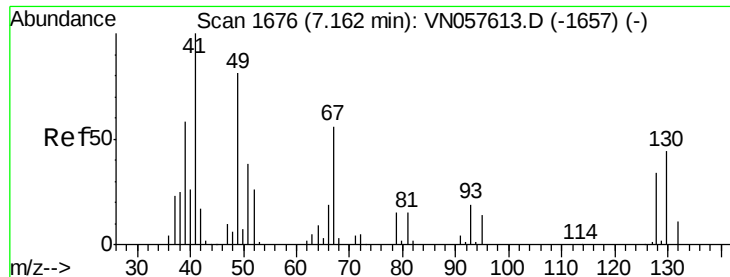
MMDadoda
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#40
Benzene
Concen: 24.666 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	78.00	Resp	237113
Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





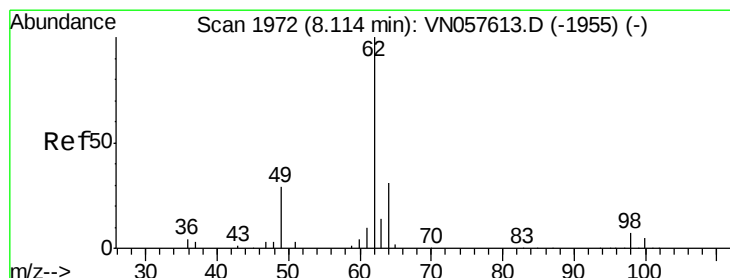
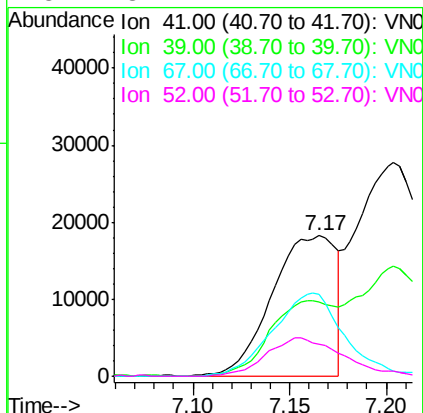
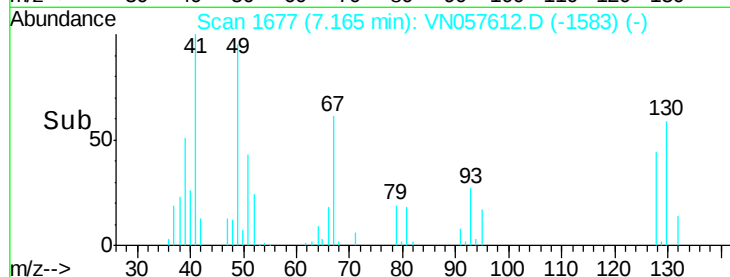
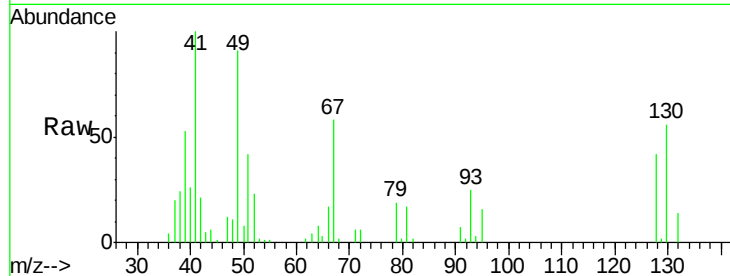
#41
Methacrylonitrile
Concen: 27.391 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	41	Resp	42113
Ion	Ratio	Lower	Upper
41	100		
39	54.6	50.6	75.8
67	66.6	56.9	85.3
52	32.4	27.4	41.2

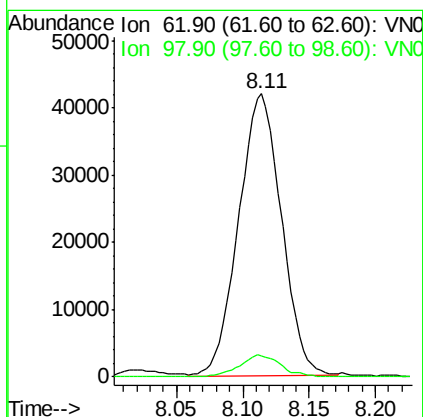
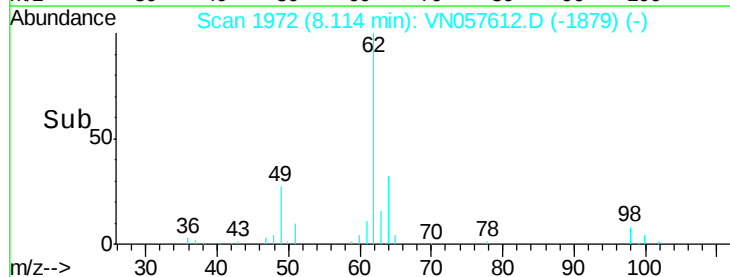
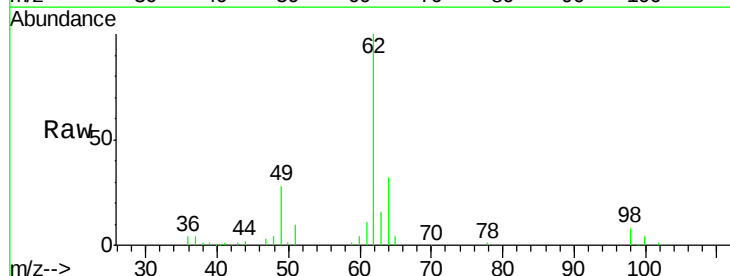
Manual Integrations
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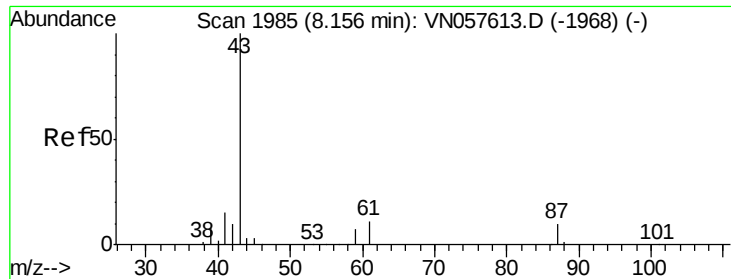
MMDadoda
9/3/2019 11:51:52 AM



#42
1,2-Dichloroethane
Concen: 24.972 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	62	Resp	93784
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	14.0





#43

Isopropyl Acetate

Concen: 23.329 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

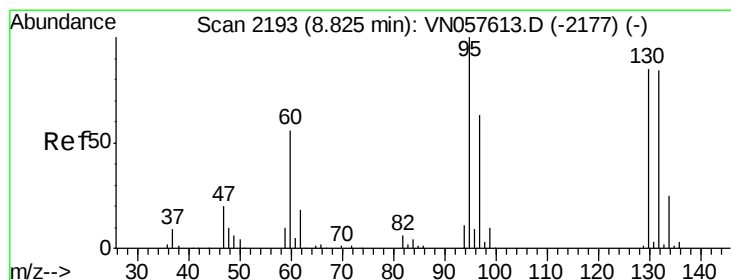
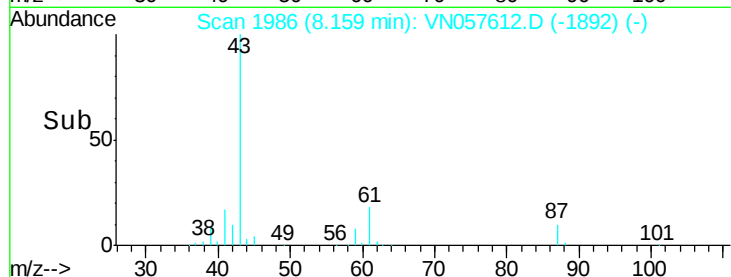
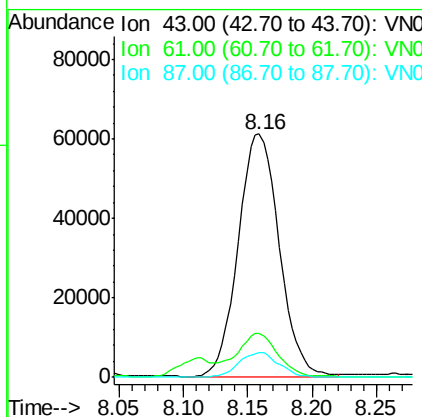
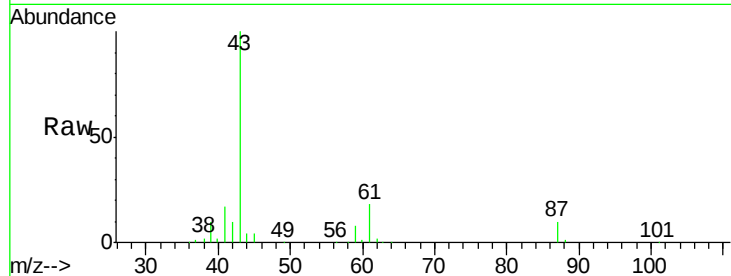
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	135313
Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.1	19.7
87	10.1	8.1	12.1

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#44

Trichloroethene

Concen: 24.423 ug/l

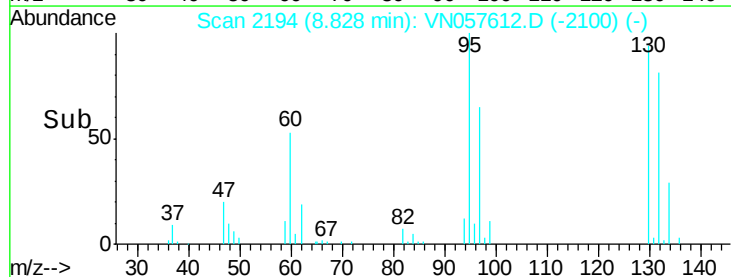
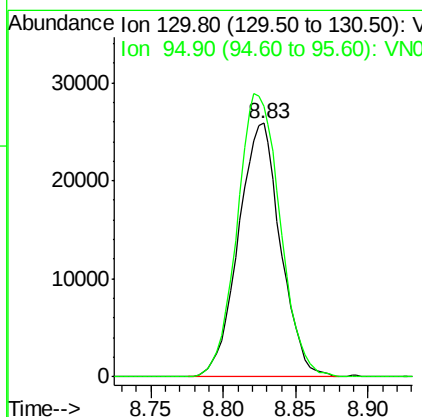
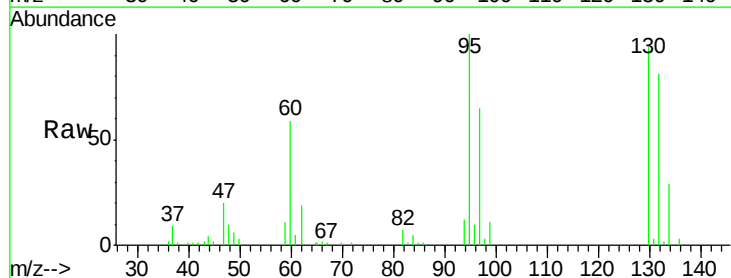
RT: 8.83 min Scan# 2194

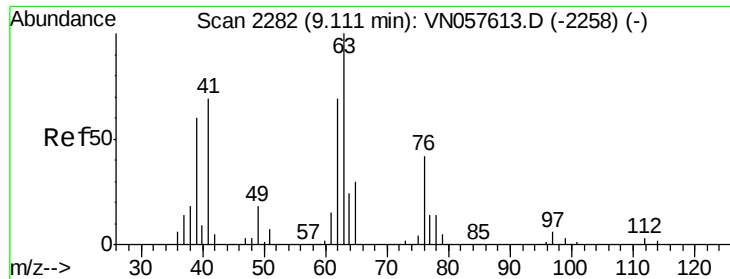
Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion:	130	Resp:	52211
Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	234.4





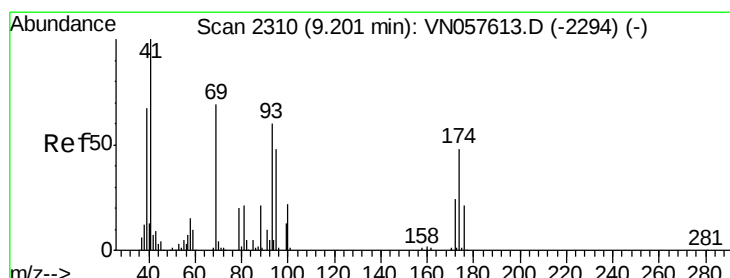
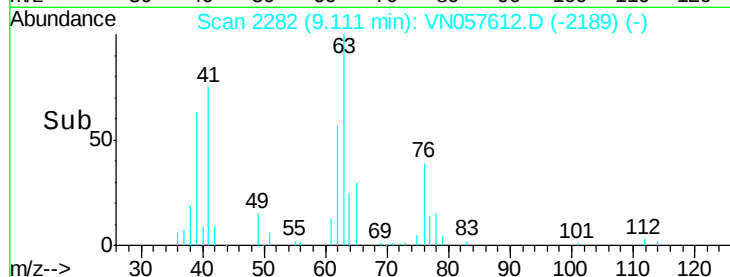
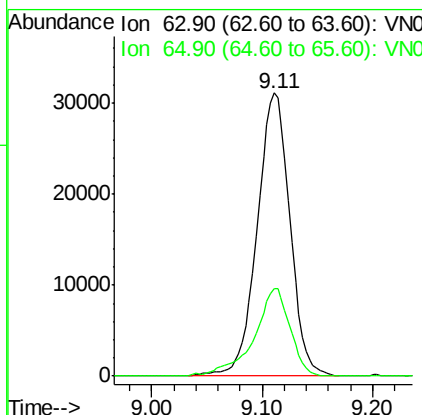
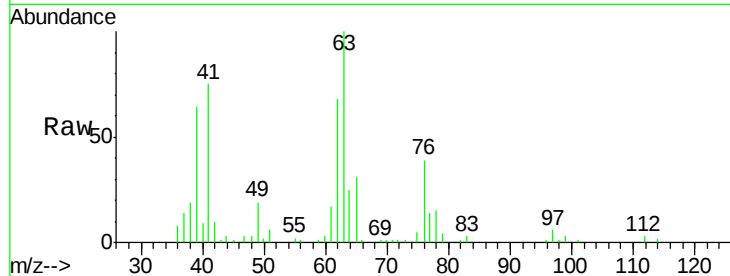
#45
 1,2-Dichloropropane
 Concen: 23.667 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.4	36.6

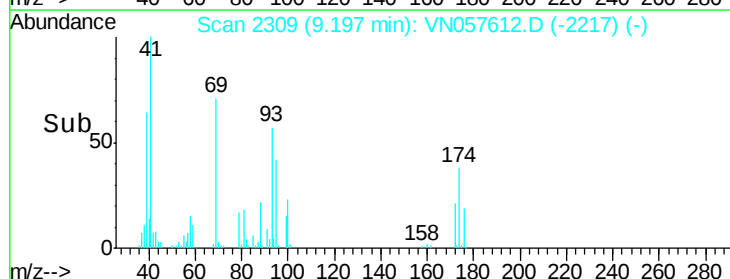
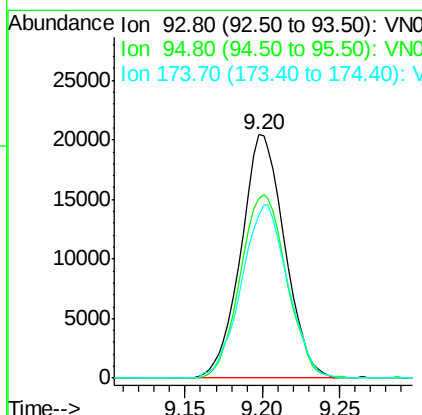
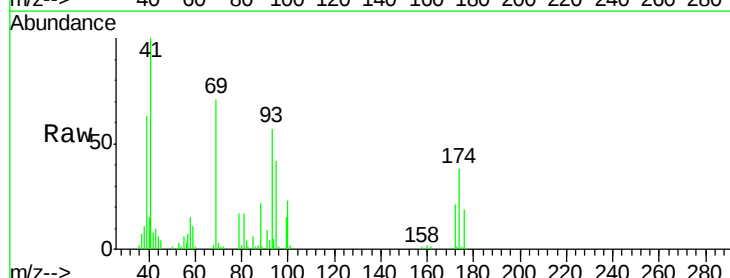
Manual Integrations
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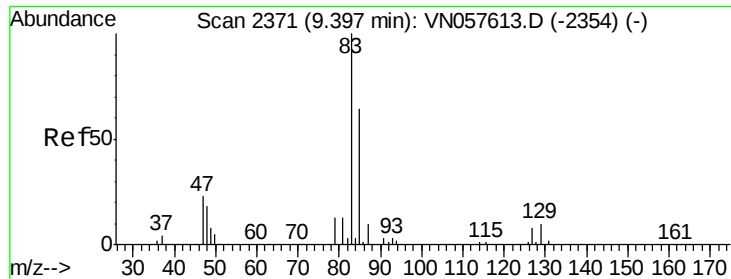
MMDadoda
 9/3/2019 11:51:52 AM



#46
 Dibromomethane
 Concen: 23.437 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.7	65.8	98.6
174	75.4	64.2	96.2





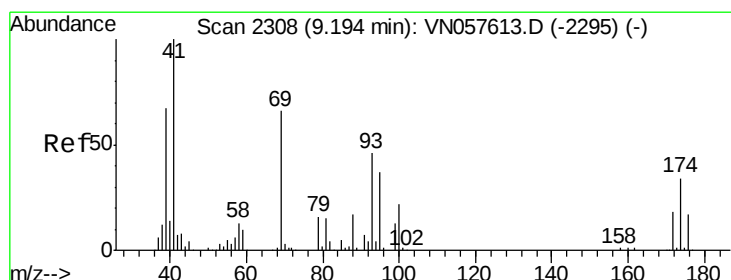
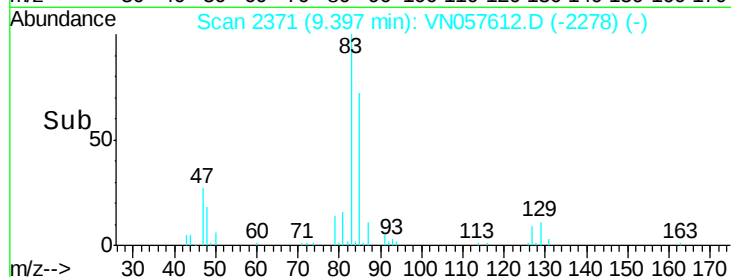
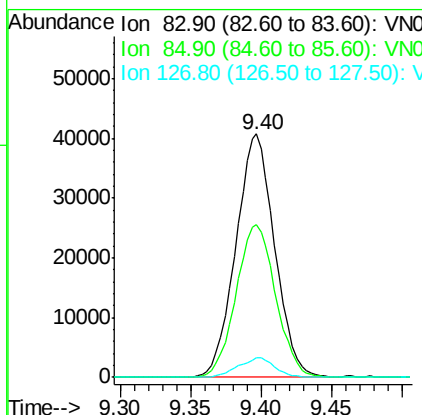
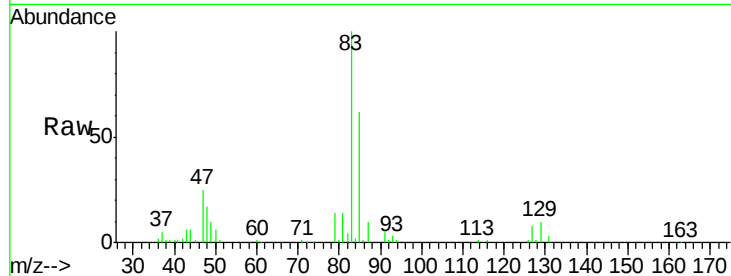
#47
Bromodichloromethane
Concen: 22.015 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	83	Resp	78405
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	51.4	77.0
127	8.1	6.1	9.1

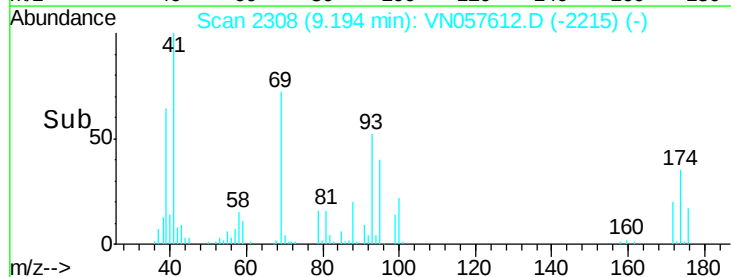
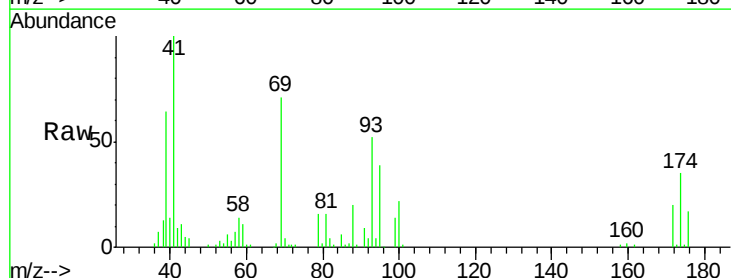
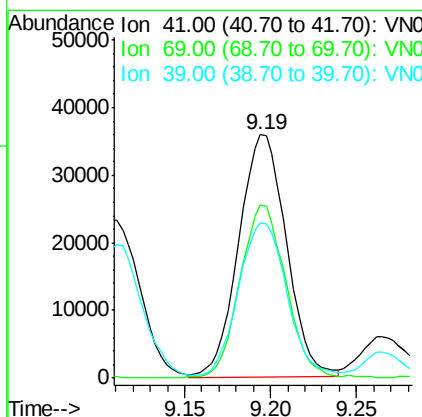
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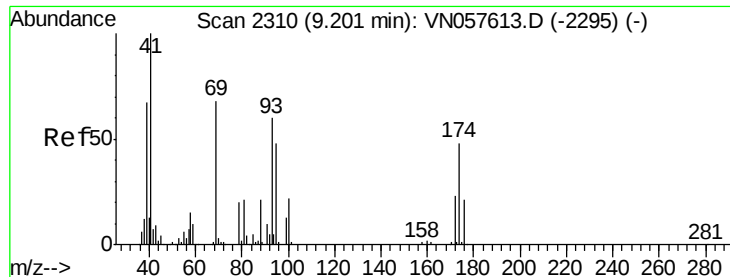
MMDadoda
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#48
Methyl methacrylate
Concen: 24.855 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	41	Resp	69306
Ion Ratio	100	Lower	Upper
41	100		
69	69.1	55.1	82.7
39	64.7	55.4	83.2





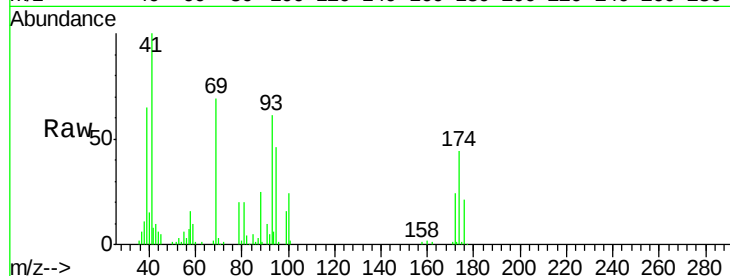
#49
1,4-Dioxane
Concen: 471.013 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.0	35.0	52.4
58	81.1	61.6	92.4

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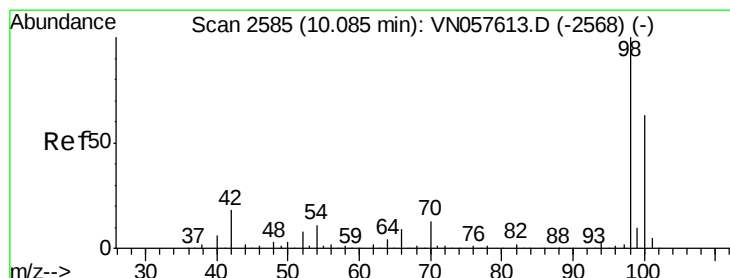
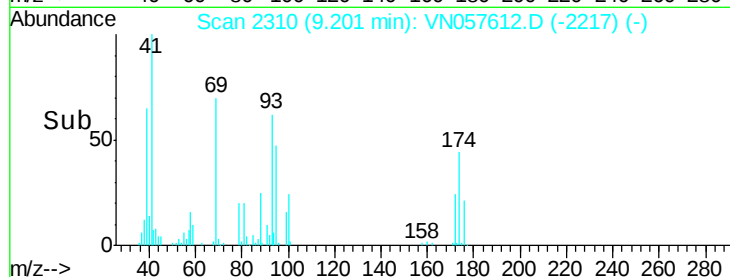
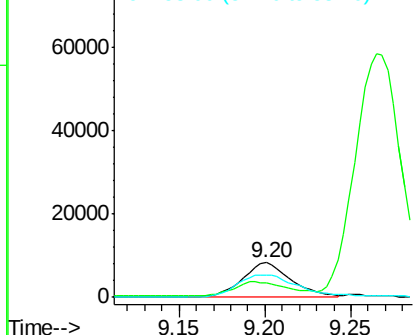


Abundance

Ion 88.00 (87.70 to 88.70): VN0

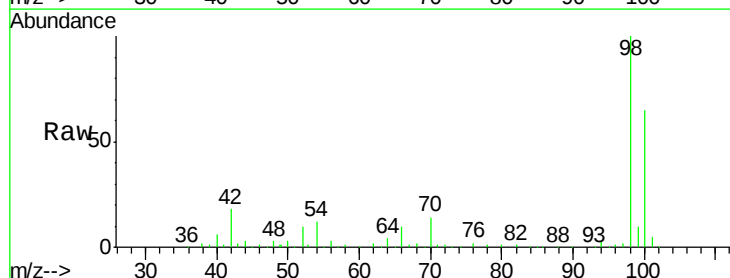
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 25.137 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

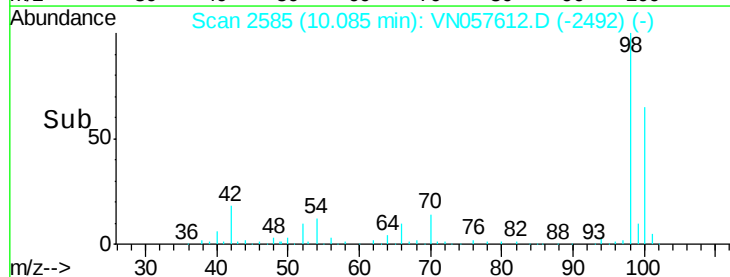
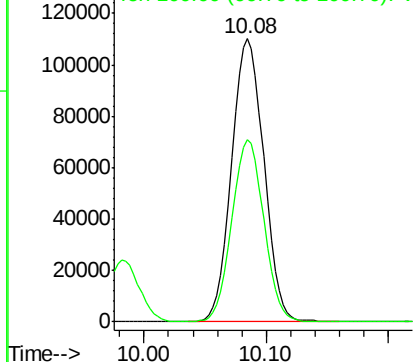
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	49.8	74.8

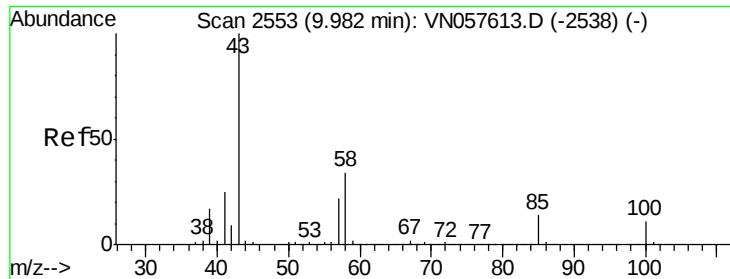


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 125.291 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 409230

Ion Ratio Lower Upper

43 100

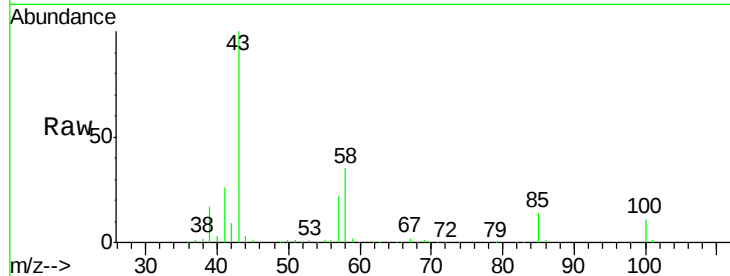
58 33.2 26.9 40.3

Manual Integrations

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9/3/2019 11:51:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

0

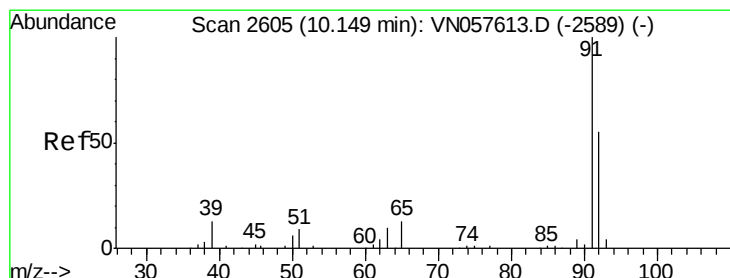
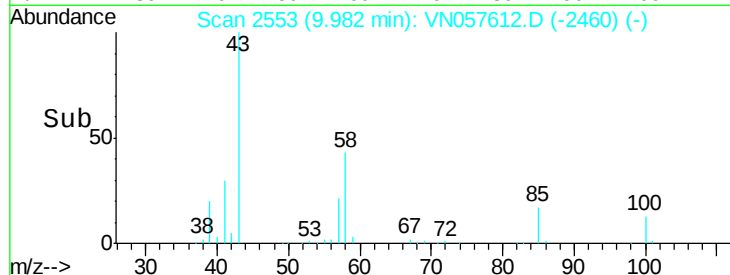
9.90

9.98

10.00

10.10

Time-->



#52

Toluene

Concen: 24.908 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057612.D

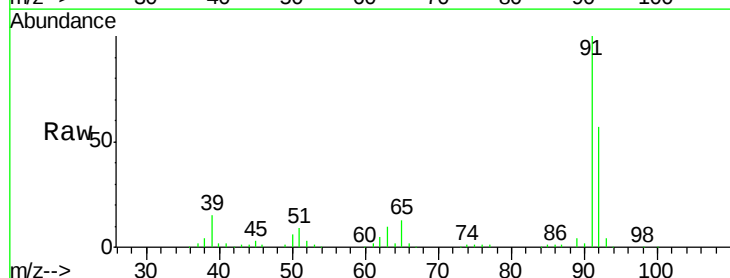
Acq: 31 Aug 2019 13:35

Tgt Ion: 92 Resp: 138710

Ion Ratio Lower Upper

92 100

91 178.3 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

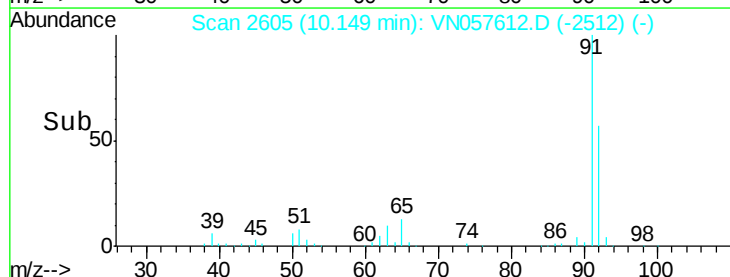
0

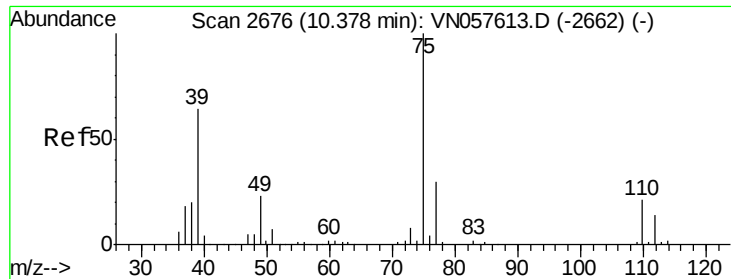
10.10

10.15

10.20

Time-->





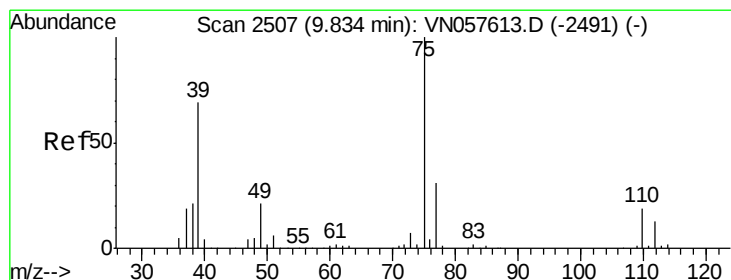
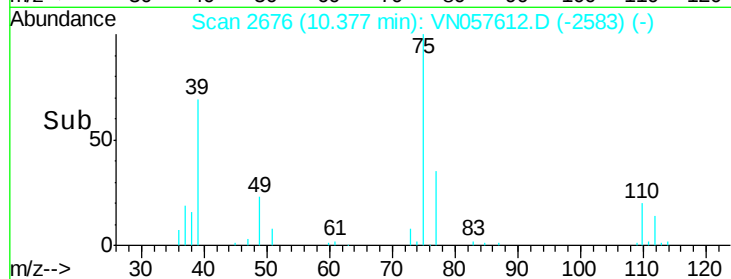
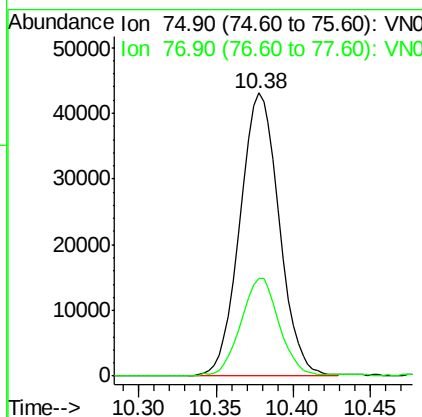
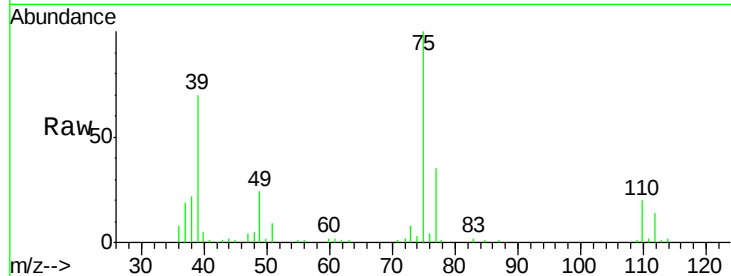
#53
t-1,3-Dichloropropene
Concen: 20.560 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.7	24.1	36.1

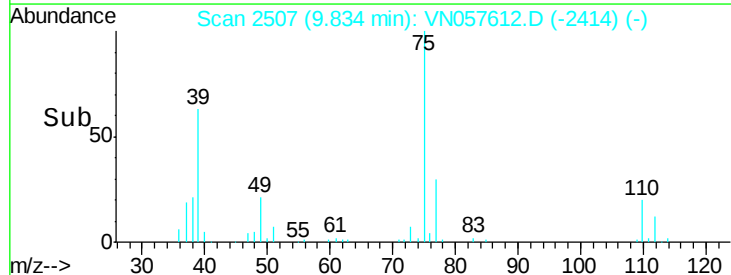
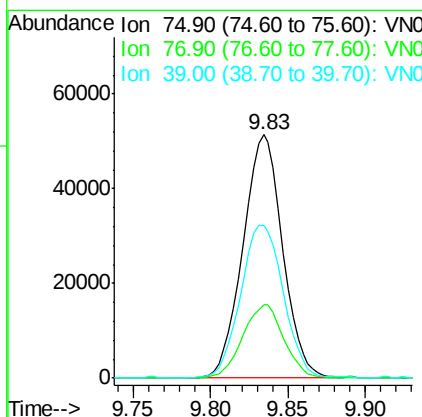
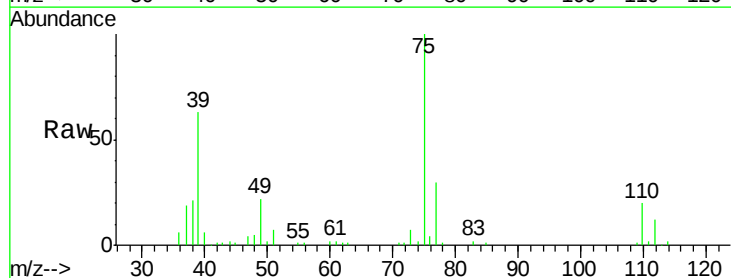
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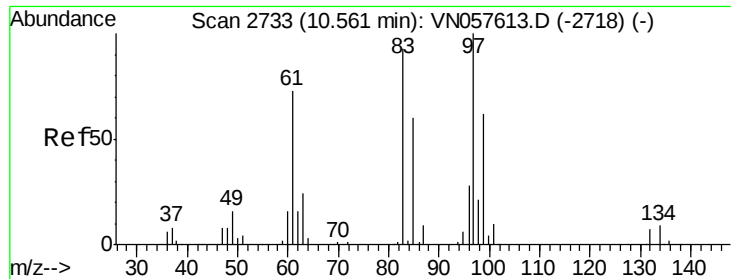
MMDadoda
9/3/2019 11:51:52 AM



#54
cis-1,3-Dichloropropene
Concen: 22.199 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.8	37.2
39	62.9	55.0	82.4





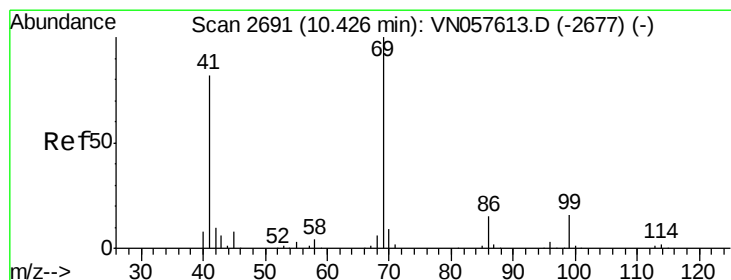
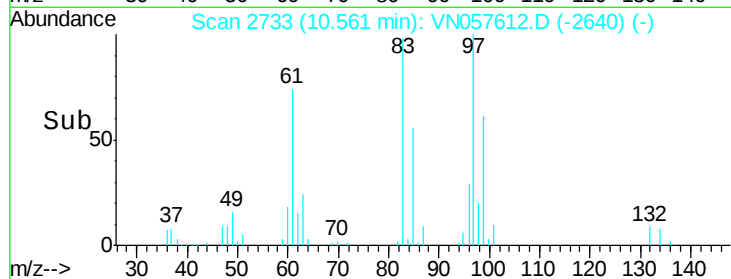
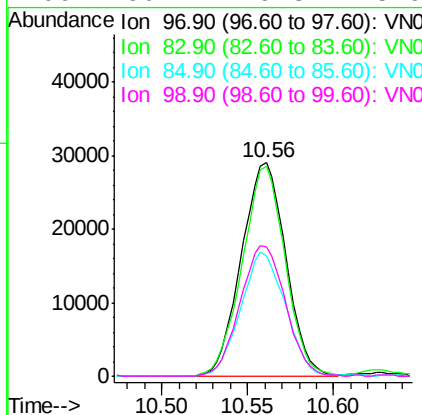
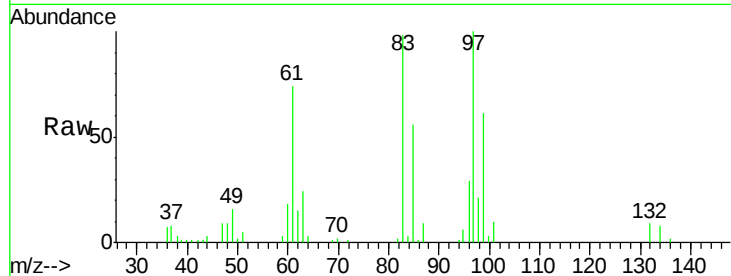
#55
 1,1,2-Trichloroethane
 Concen: 23.328 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	52151
Ion	Ratio	Lower	Upper
97	100		
83	98.2	74.2	111.2
85	56.3	47.8	71.8
99	60.7	49.3	73.9

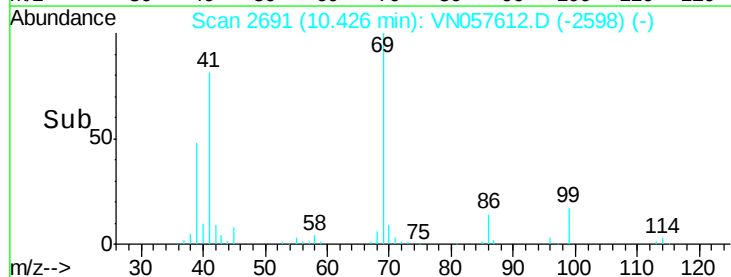
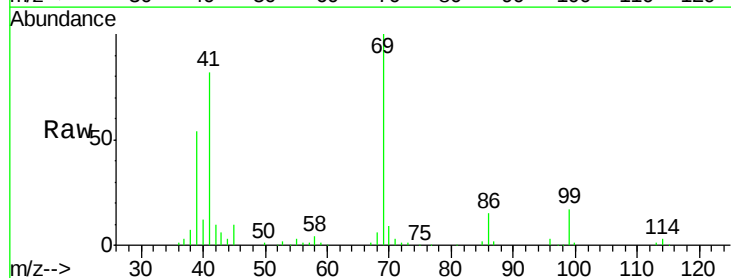
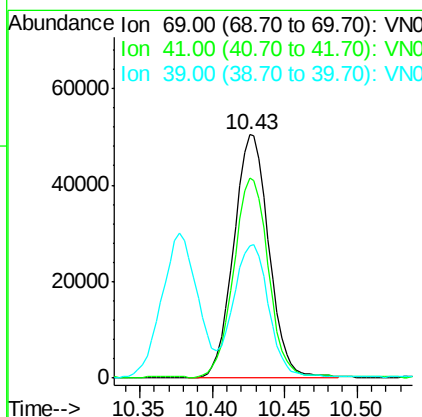
Manual Integrations
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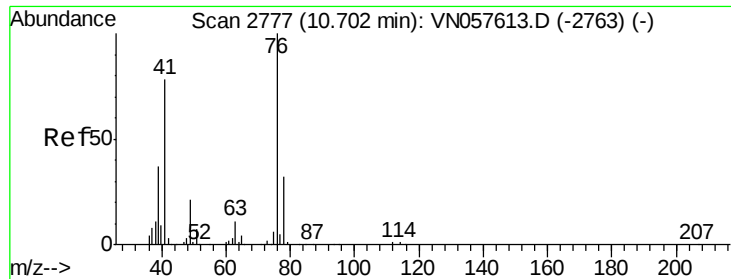
MMDadoda
 9/3/2019 11:51:52 AM



#56
 Ethyl methacrylate
 Concen: 24.155 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion:	69	Resp:	85269
Ion	Ratio	Lower	Upper
69	100		
41	80.6	65.8	98.6
39	53.8	43.8	65.8





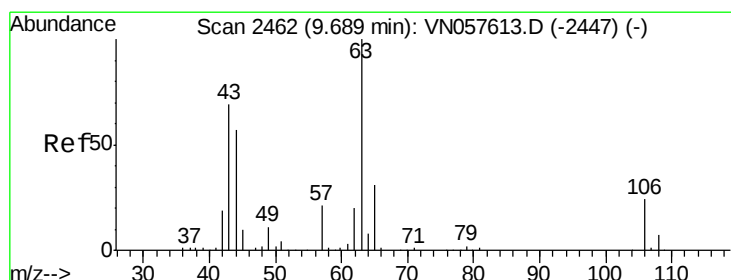
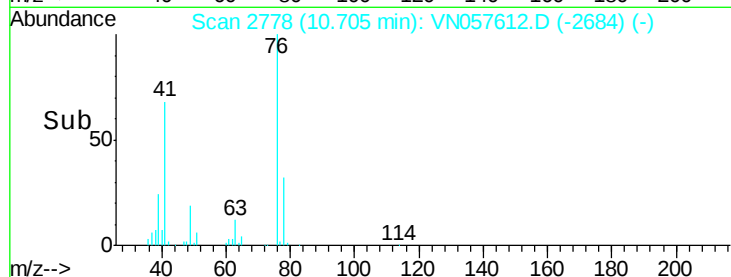
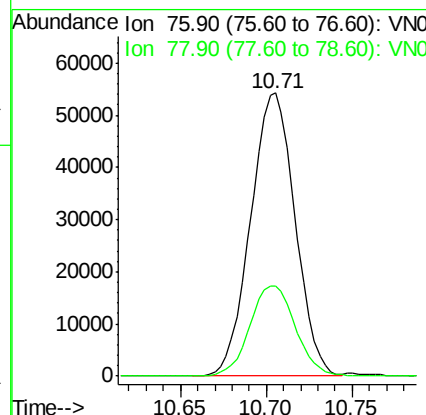
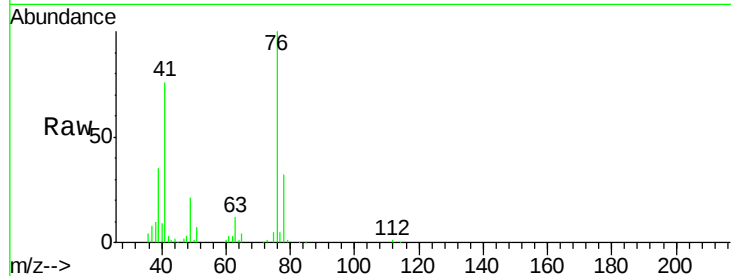
#57
 1,3-Dichloropropane
 Concen: 24.840 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 97241
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.2

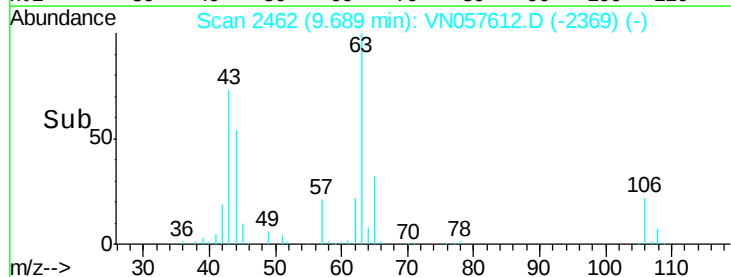
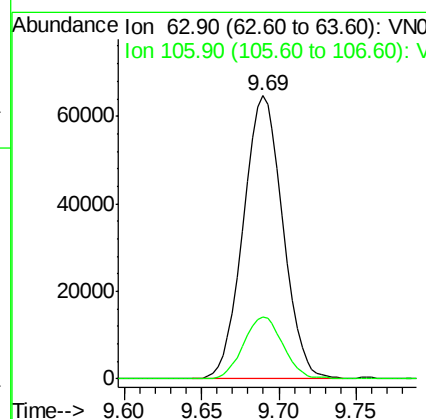
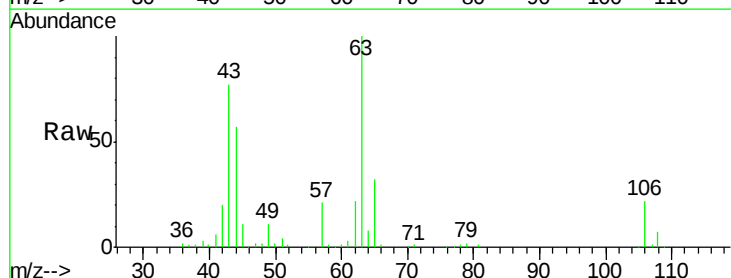
Manual Integrations
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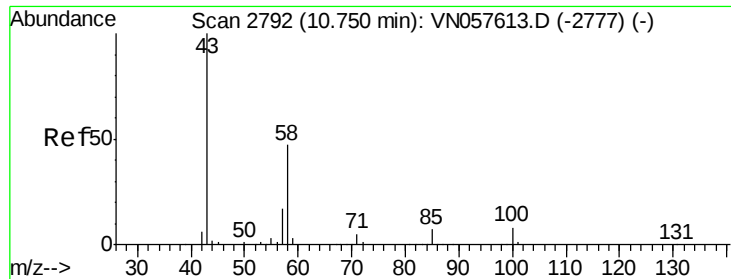
MMDadoda
 9/3/2019 11:51:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.339 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion: 63 Resp: 115113
 Ion Ratio Lower Upper
 63 100
 106 21.8 18.3 27.5





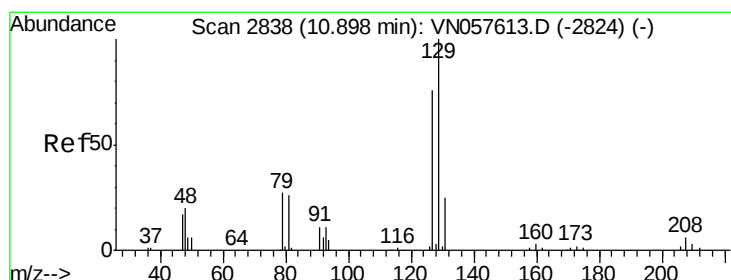
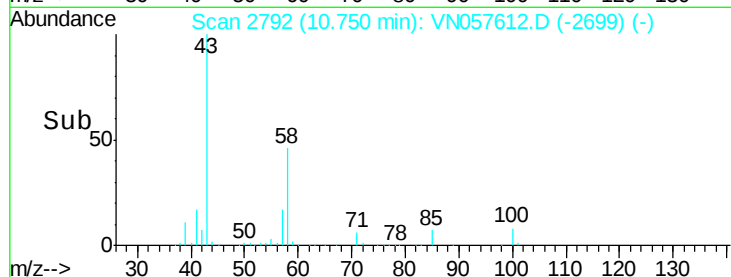
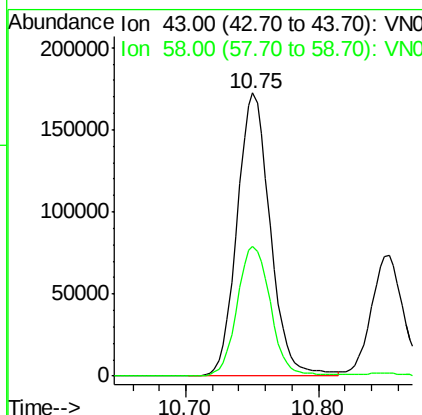
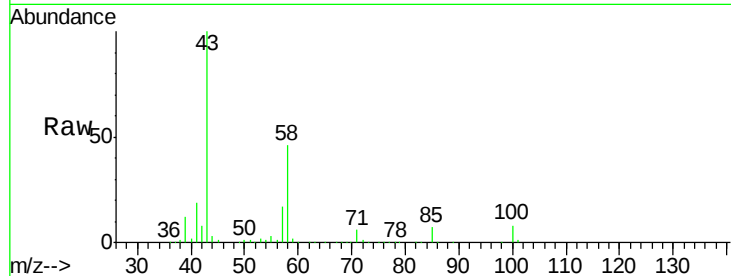
#59
2-Hexanone
Concen: 131.932 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.4	23.5	70.5

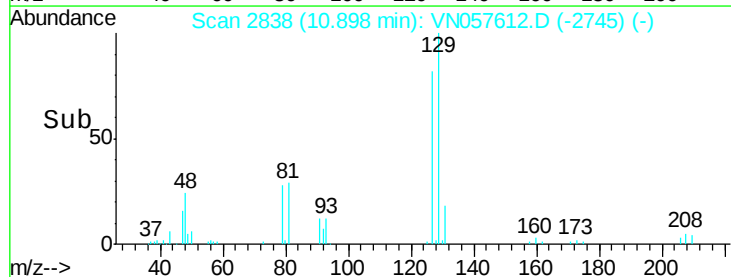
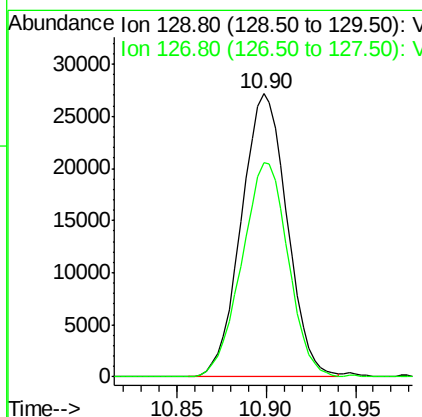
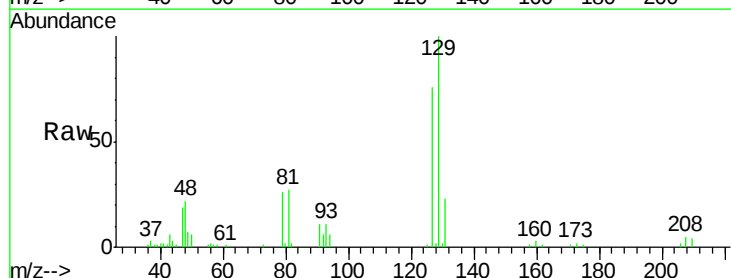
Manual Integrations
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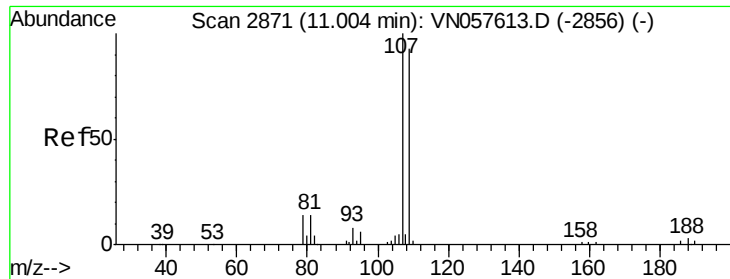
MMDadoda
9/3/2019 11:51:52 AM



#60
Dibromochloromethane
Concen: 20.856 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.3	114.8





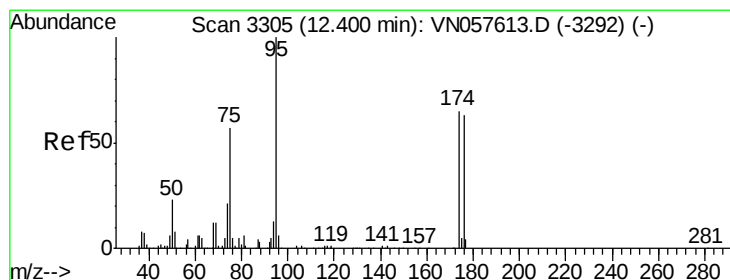
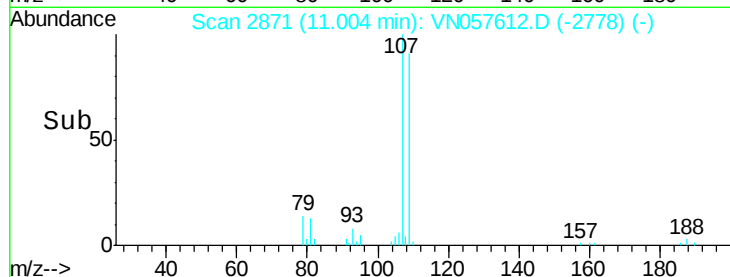
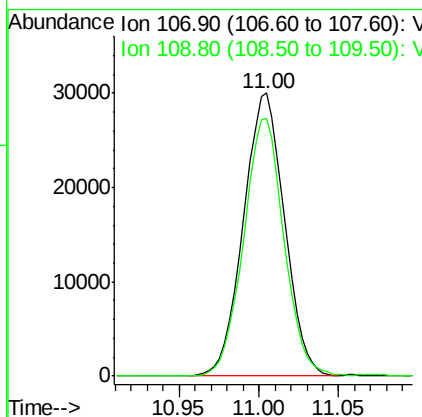
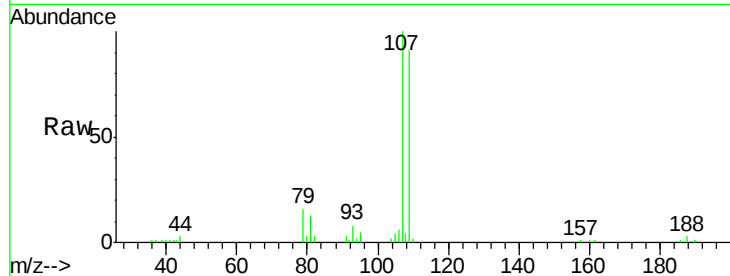
#61
 1,2-Dibromoethane
 Concen: 24.057 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.4	75.0	112.4

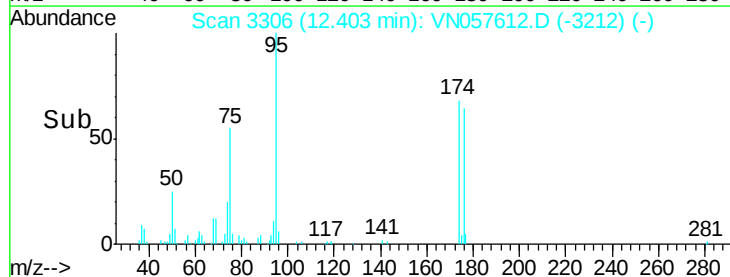
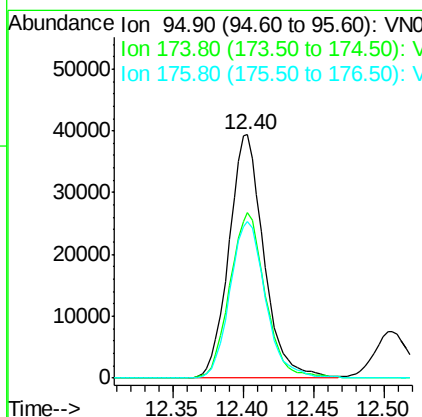
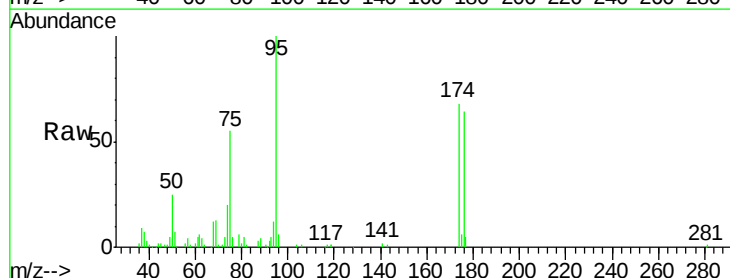
Manual Integrations
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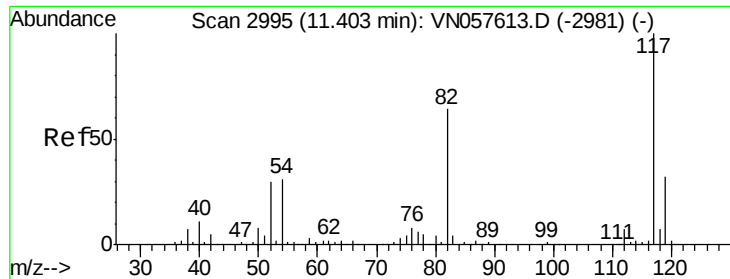
MMDadoda
 9/3/2019 11:51:52 AM



#62
 4-Bromofluorobenzene
 Concen: 24.464 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.0	0.0	134.8
176	65.6	0.0	131.6





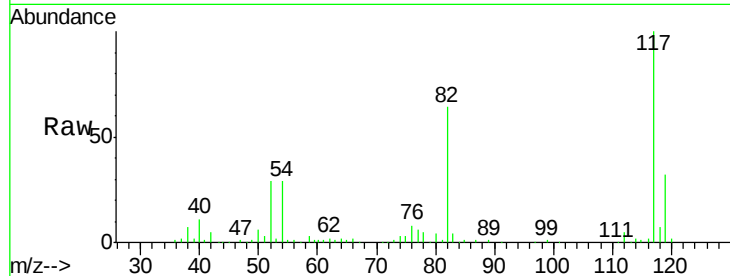
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.5	51.6	77.4
119	31.5	25.8	38.6

Manual Integrations
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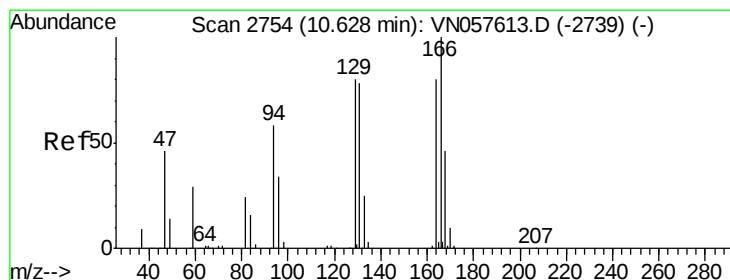
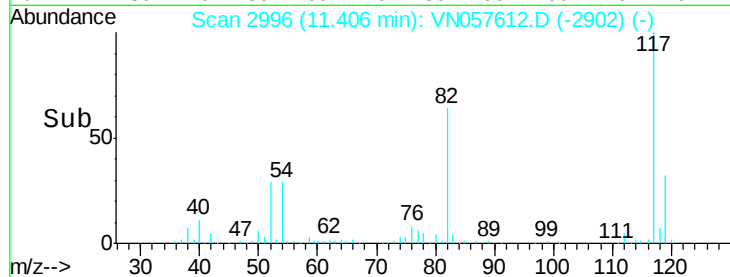
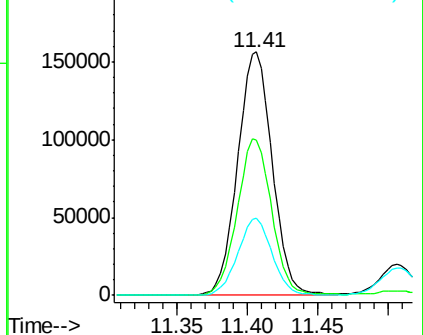


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 24.748 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	100.6	151.0
129	99.7	80.4	120.6
131	98.0	78.6	118.0

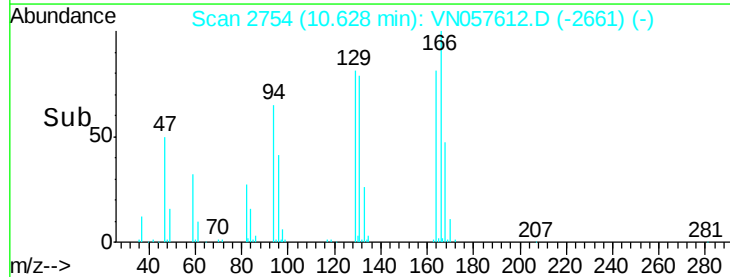
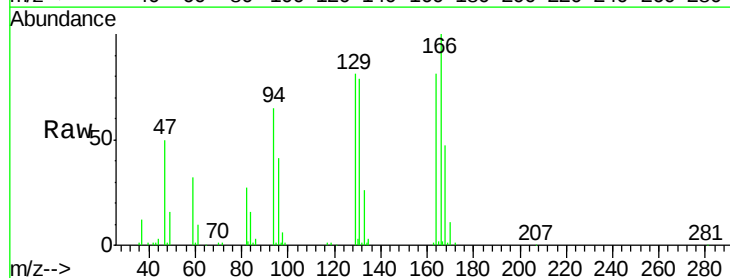
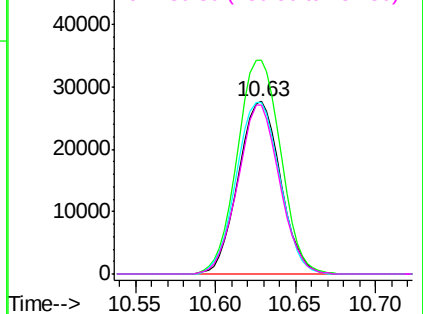
Abundance

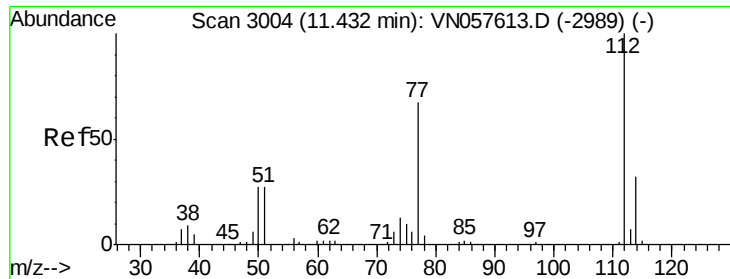
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 23.723 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 136994

Ion Ratio Lower Upper

112 100

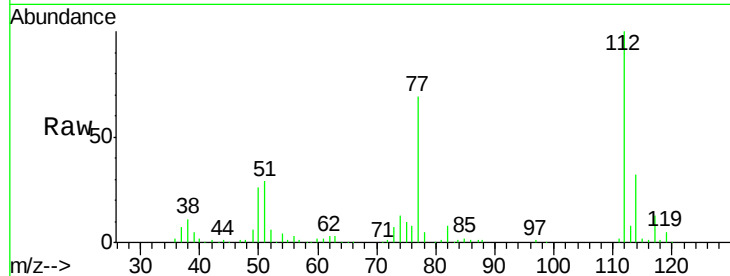
114 32.3 25.3 37.9

Manual Integrations

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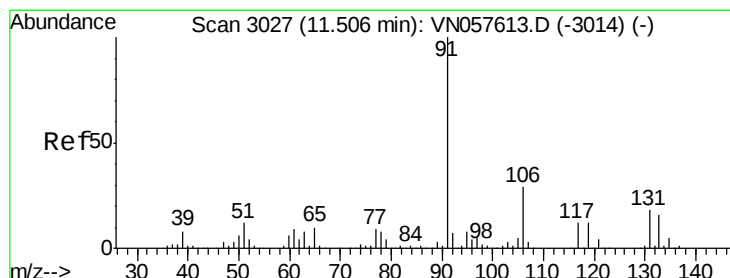
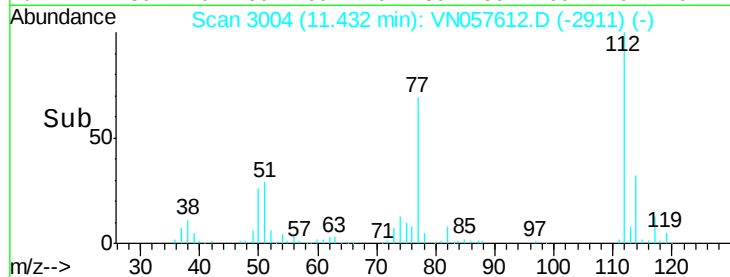
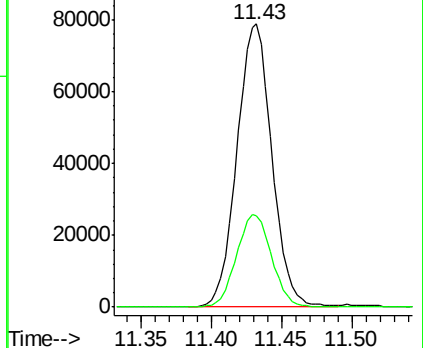
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.323 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

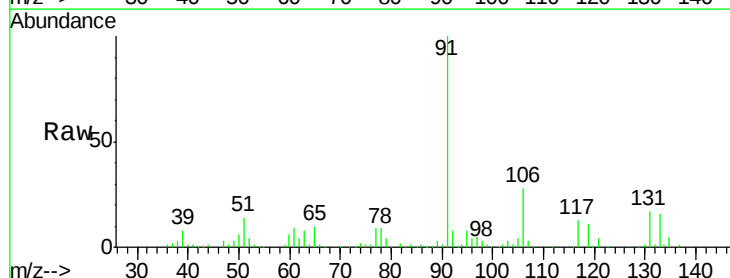
Tgt Ion:131 Resp: 46307

Ion Ratio Lower Upper

131 100

133 94.1 47.8 143.4

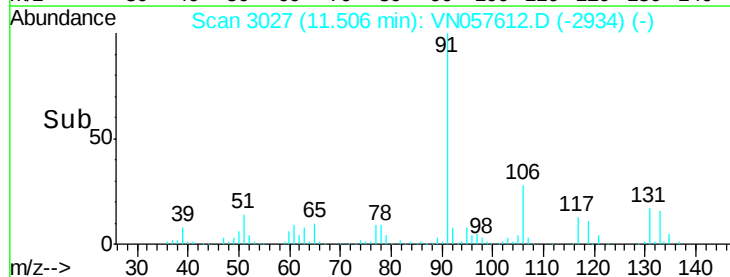
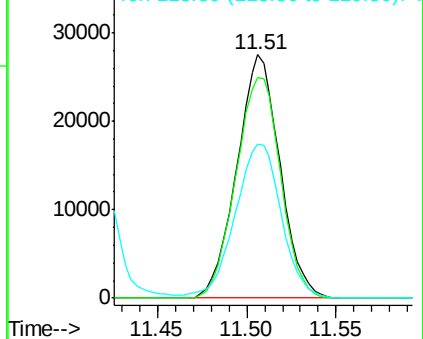
119 68.4 33.9 101.6

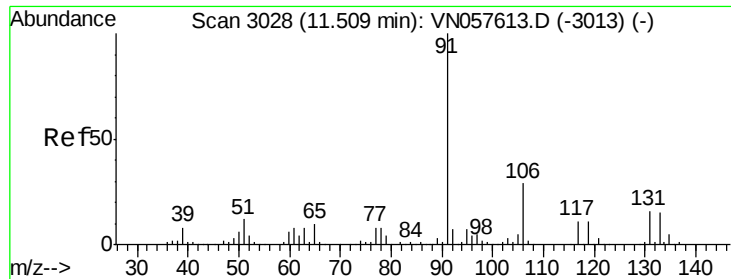


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





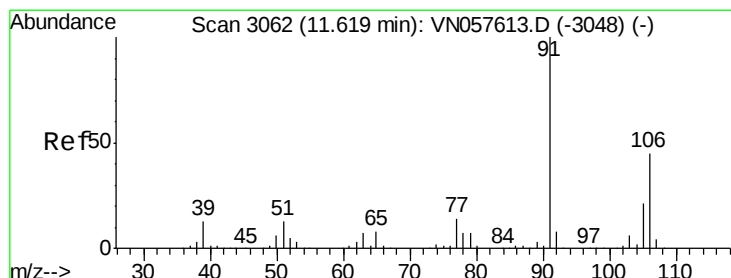
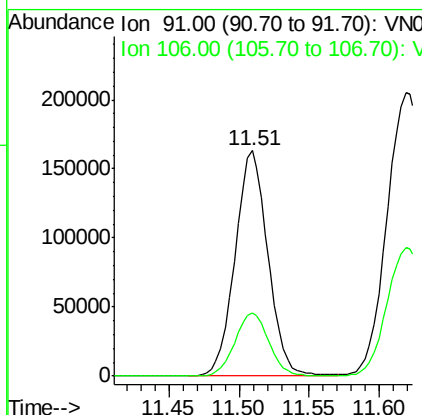
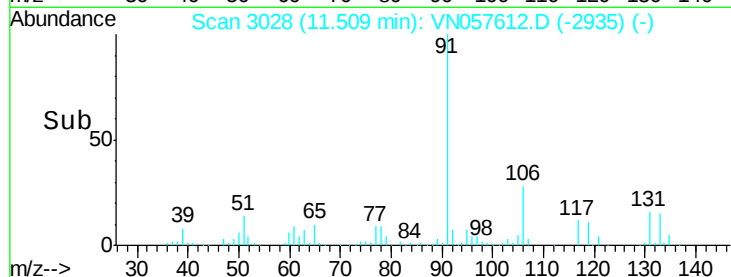
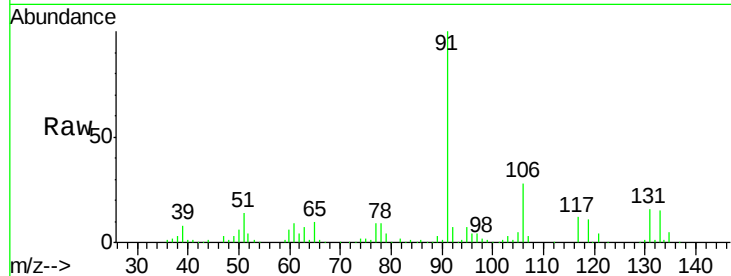
#67
Ethyl Benzene
Concen: 23.810 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 266568
Ion Ratio Lower Upper
91 100
106 28.2 22.9 34.3

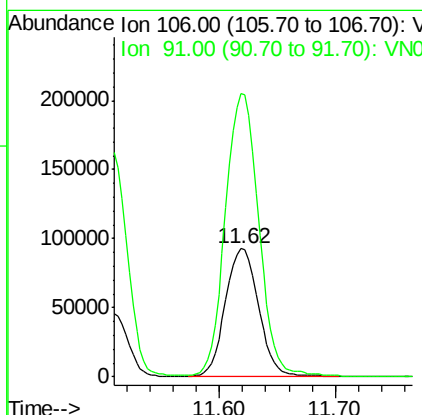
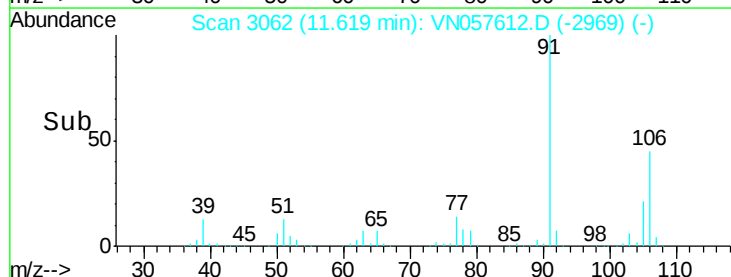
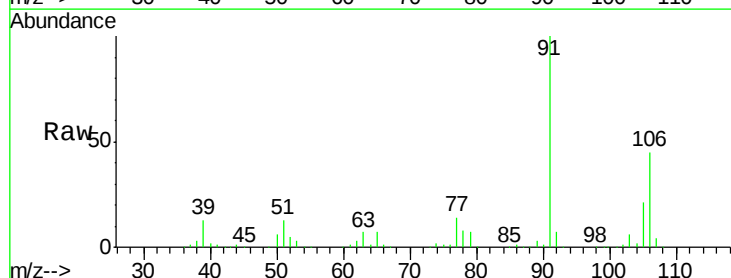
Manual Integrations
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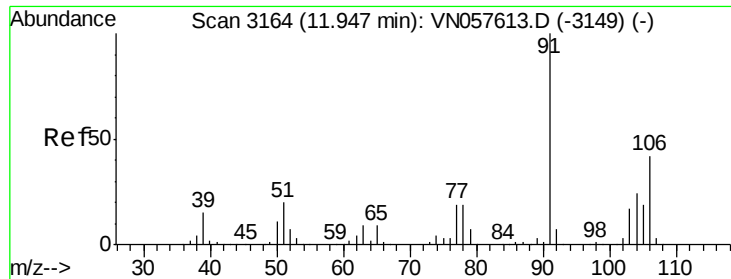
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#68
m/p-Xylenes
Concen: 48.414 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 106 Resp: 184265
Ion Ratio Lower Upper
106 100
91 223.2 176.2 264.2





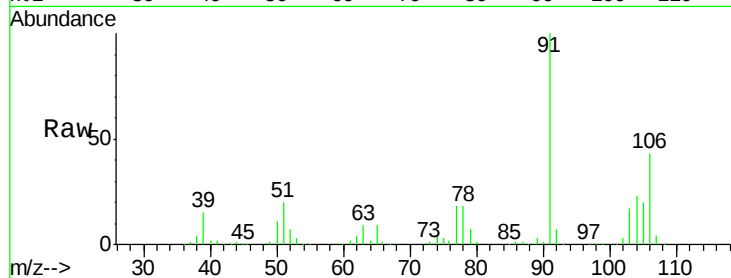
#69
o-Xylene
Concen: 24.001 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

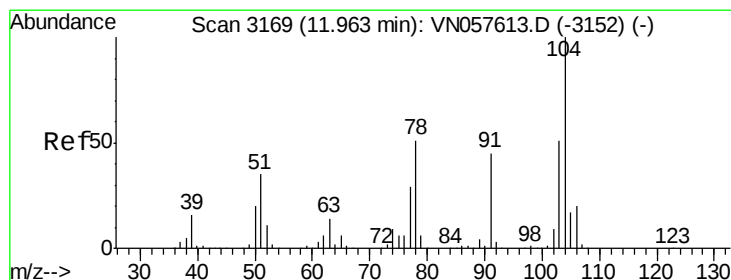
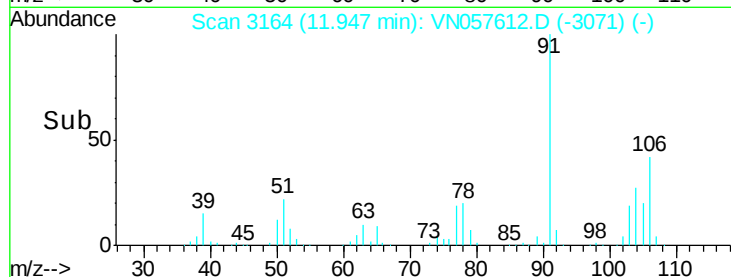
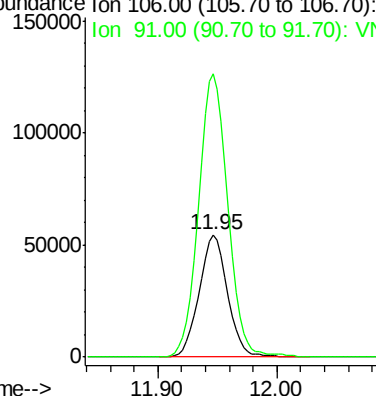
Tot Ion:106 Resp: 90139
Ion Ratio Lower Upper
106 100
91 239.1 117.3 351.8

Manual Integrations
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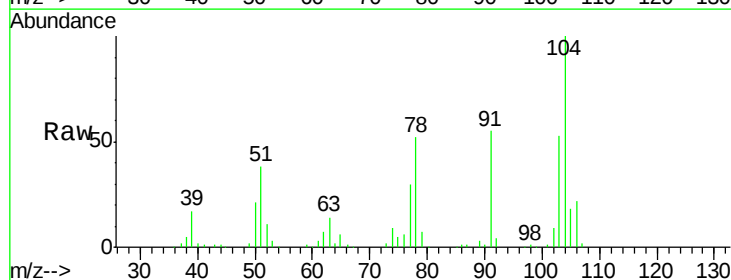


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

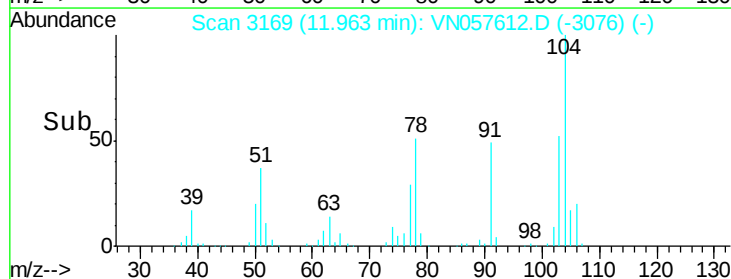
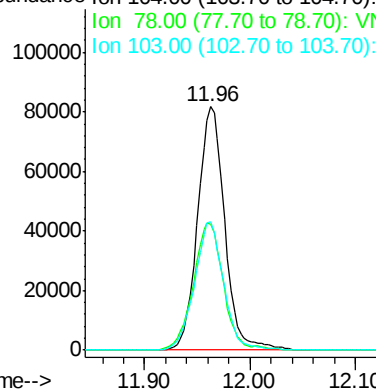


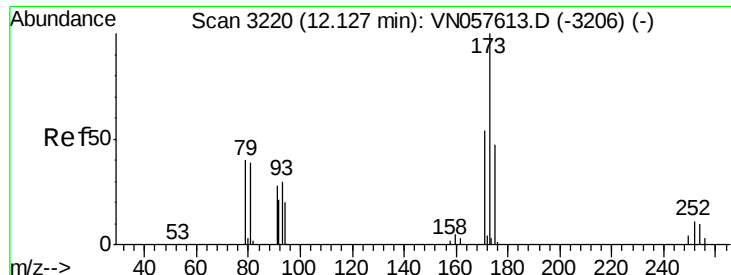
#70
Styrene
Concen: 24.249 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion:104 Resp: 145332
Ion Ratio Lower Upper
104 100
78 58.1 46.6 70.0
103 56.5 44.7 67.1



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





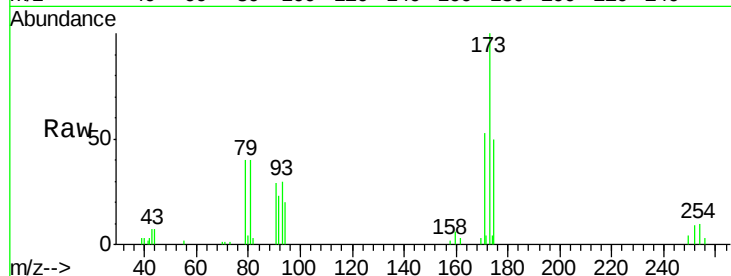
#71
Bromoform
Concen: 18.722 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

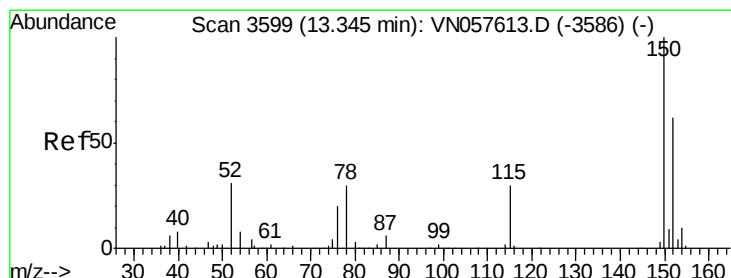
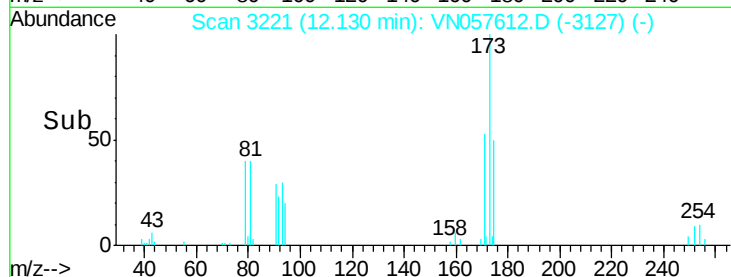
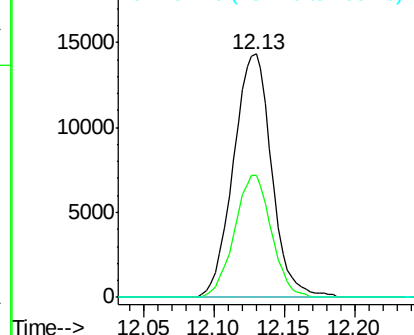
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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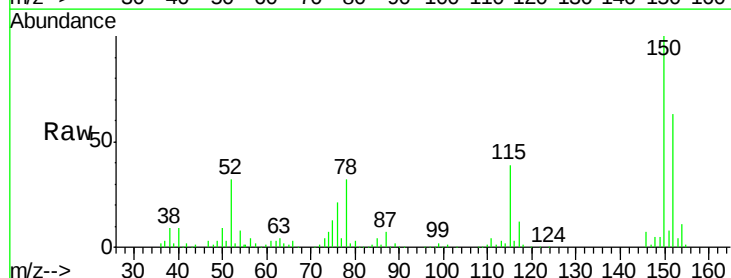


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

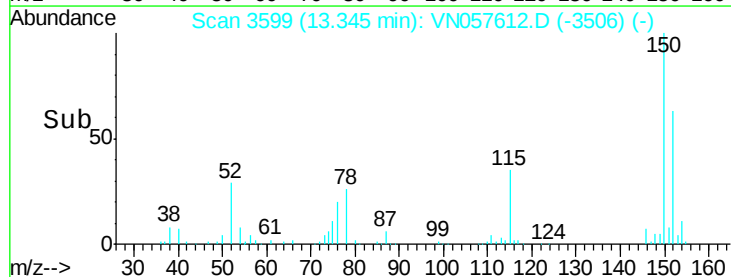
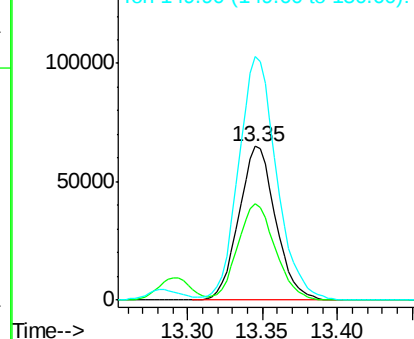


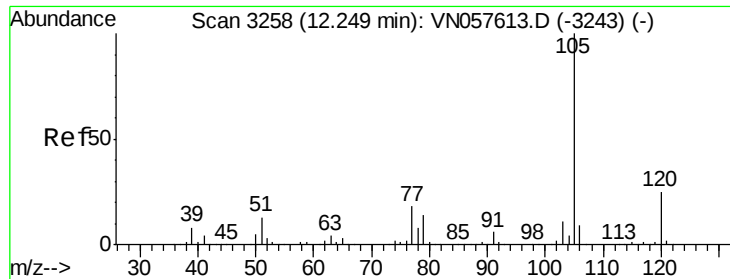
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	33.2	99.6
150	164.0	0.0	365.2



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





#73

Isopropylbenzene

Concen: 19.841 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 252923

Ion Ratio Lower Upper

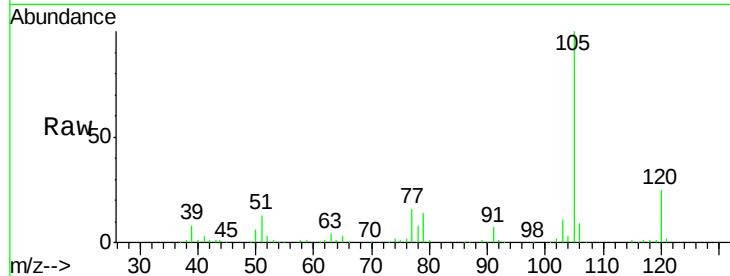
105 100

120 25.0 12.7 38.1

Manual Integrations
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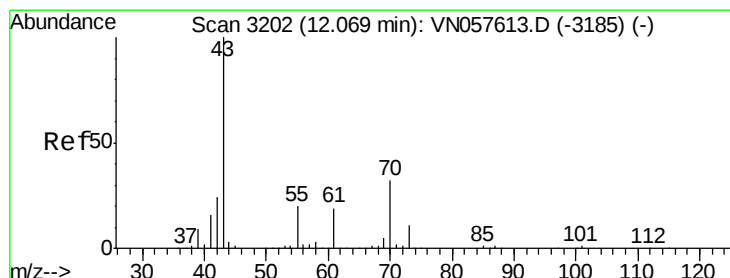
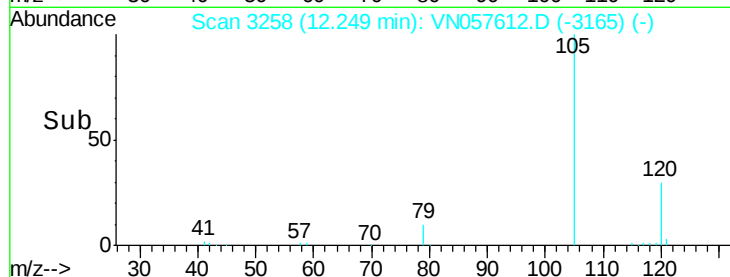
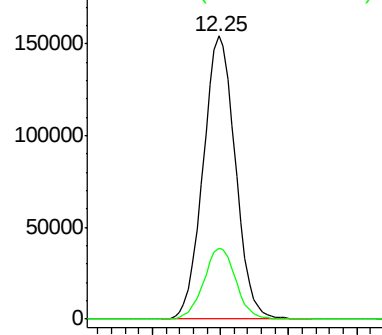
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.090 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion: 43 Resp: 117587

Ion Ratio Lower Upper

43 100

70 32.5 26.9 40.3

55 21.4 16.8 25.2

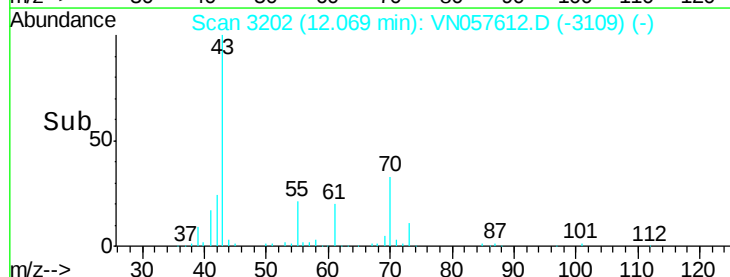
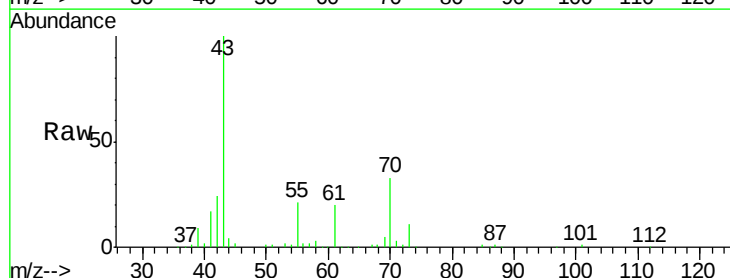
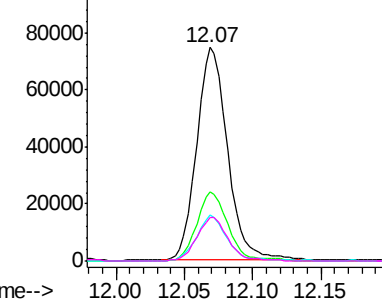
61 20.6 15.1 22.7

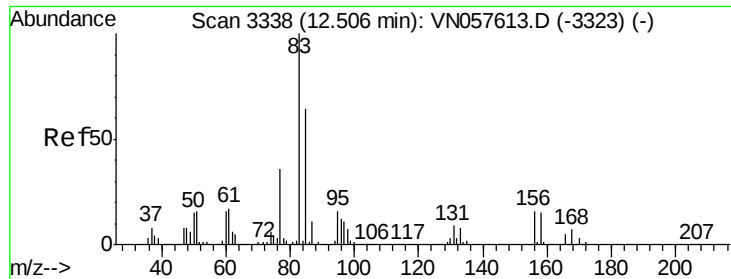
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.469 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

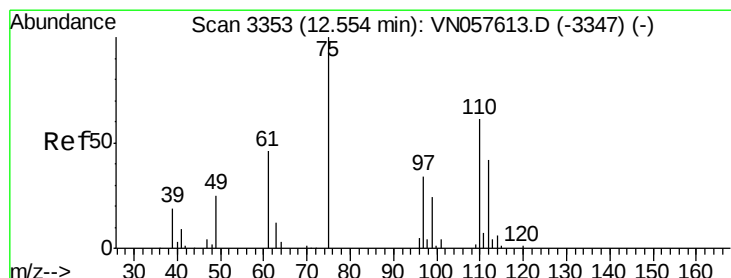
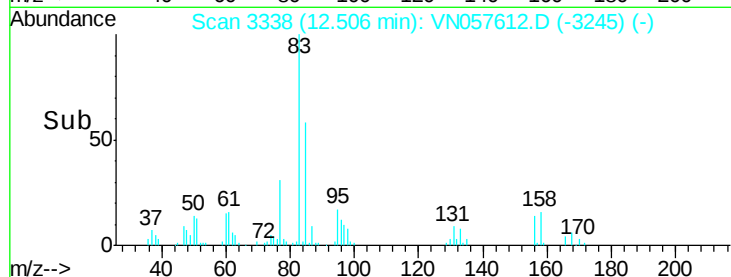
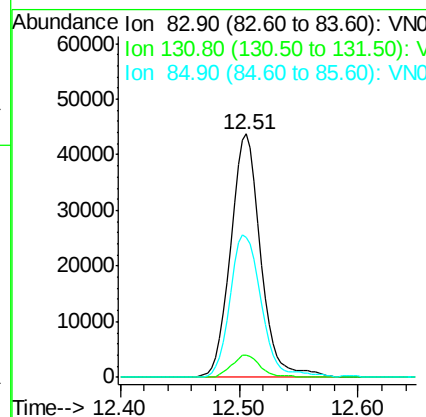
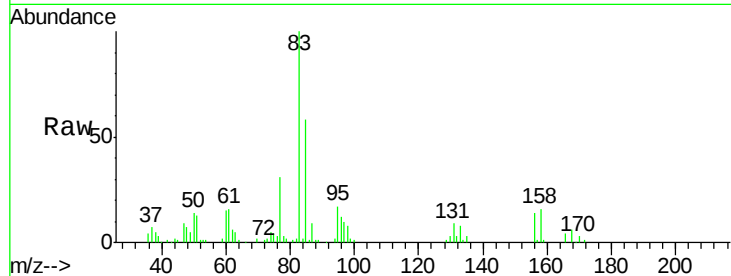
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	76565
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.5	13.7
85	59.7	31.3	93.8

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#76

1,2,3-Trichloropropane

Concen: 22.670 ug/l m

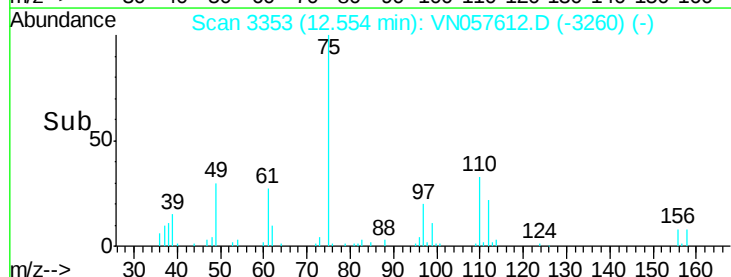
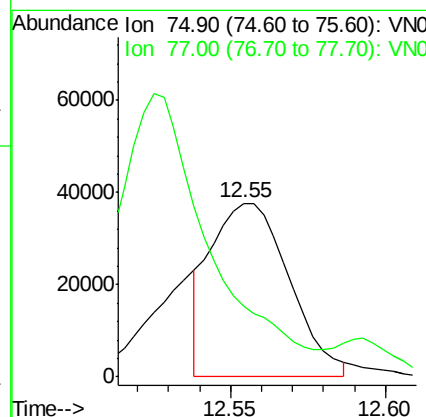
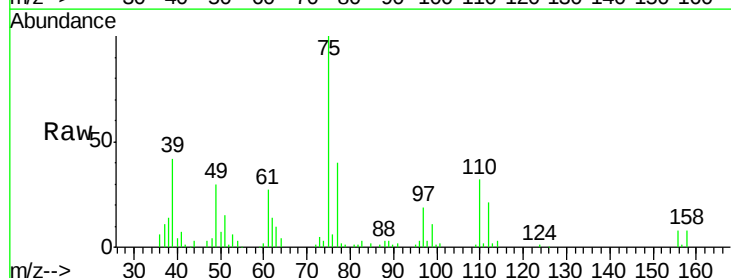
RT: 12.55 min Scan# 3353

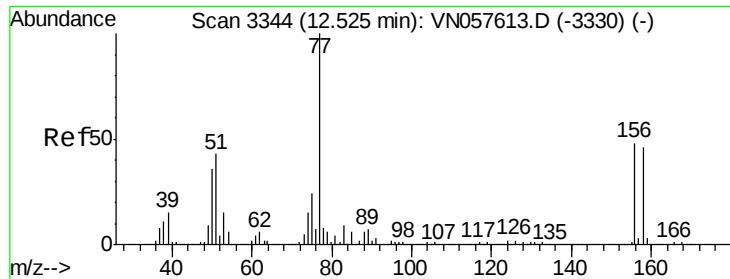
Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion:	75	Resp:	66263
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.648 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 52678

Ion Ratio Lower Upper

156 100

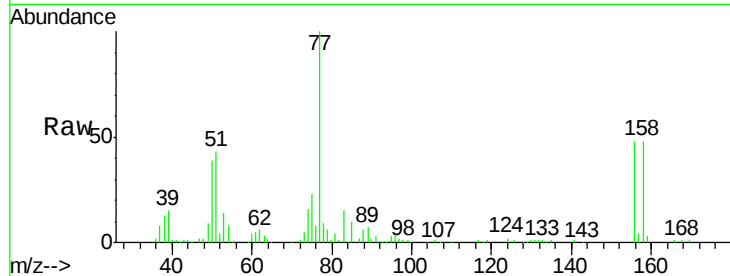
77 246.9 123.5 370.5

158 102.3 47.8 143.3

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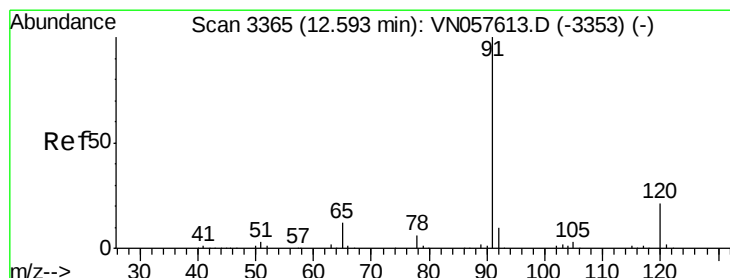
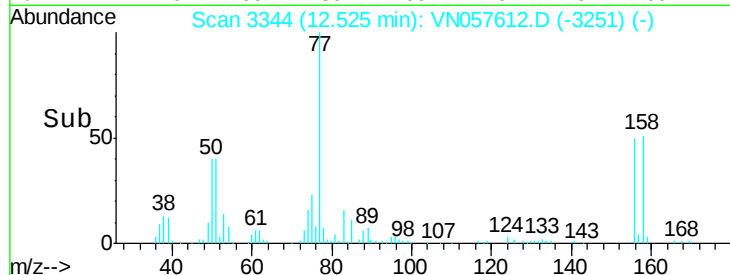
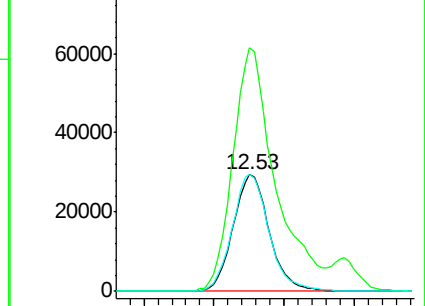
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.380 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057612.D

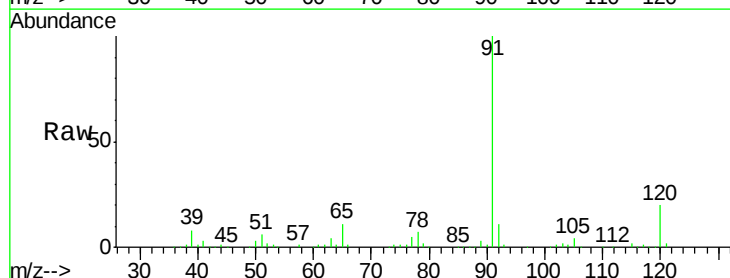
Acq: 31 Aug 2019 13:35

Tgt Ion: 91 Resp: 262787

Ion Ratio Lower Upper

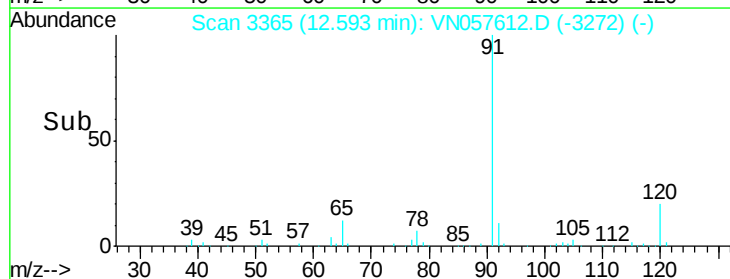
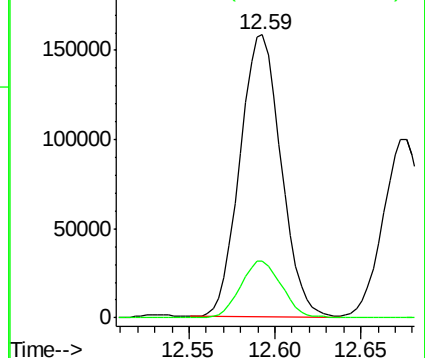
91 100

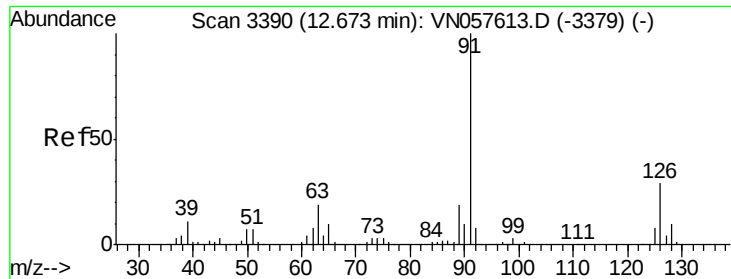
120 20.2 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.059 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 171179

Ion Ratio Lower Upper

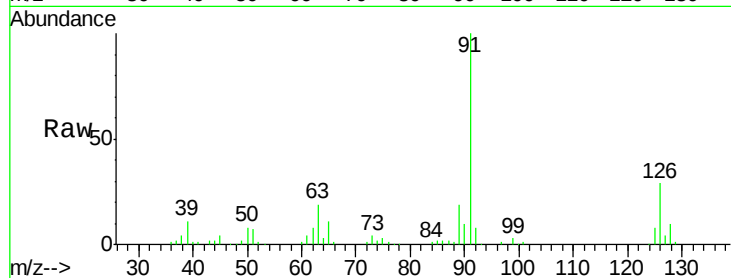
91 100

126 29.2 14.9 44.5

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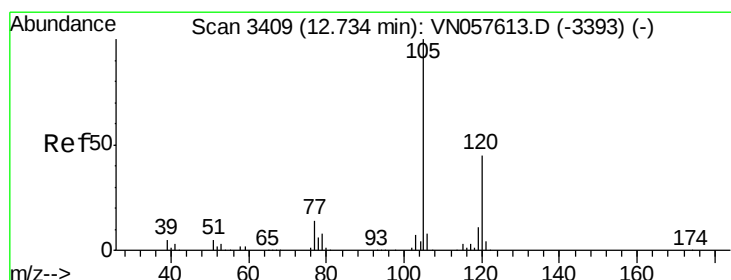
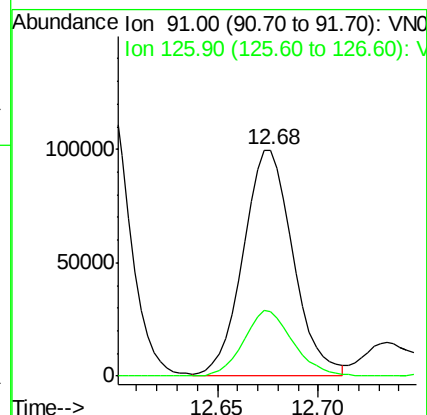
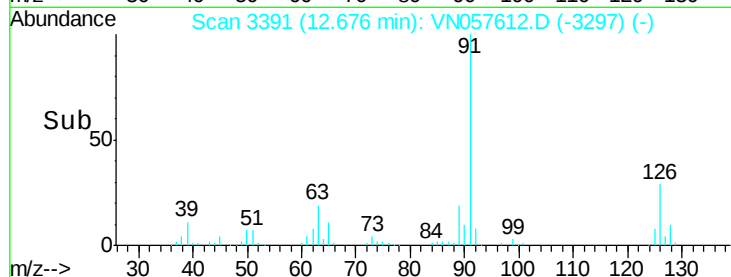


Abundance Ion 91.00 (90.70 to 91.70): VN057612.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN057612.D (-3390) (-)

12.68

12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.140 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057612.D

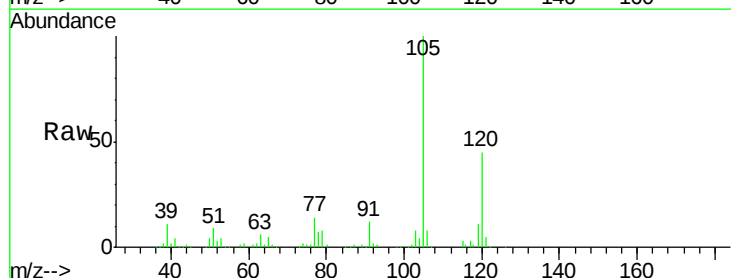
Acq: 31 Aug 2019 13:35

Tgt Ion: 105 Resp: 202908

Ion Ratio Lower Upper

105 100

120 45.8 22.6 67.8

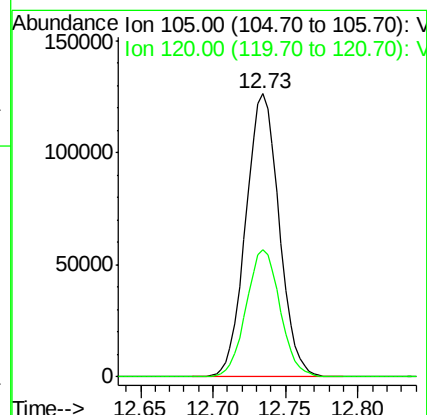
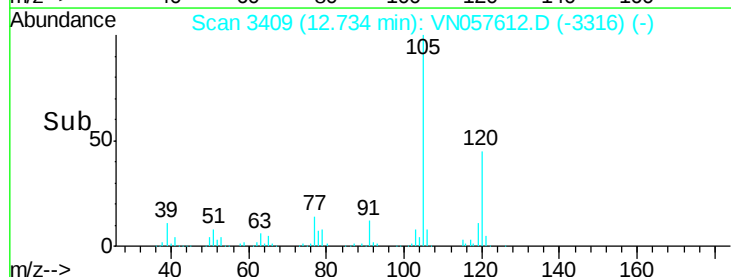


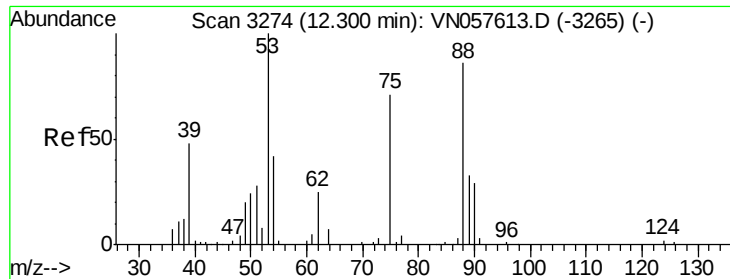
Abundance Ion 105.00 (104.70 to 105.70): VN057612.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN057612.D (-3409) (-)

12.73

12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 16.366 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 17778

Ion Ratio Lower Upper

75 100

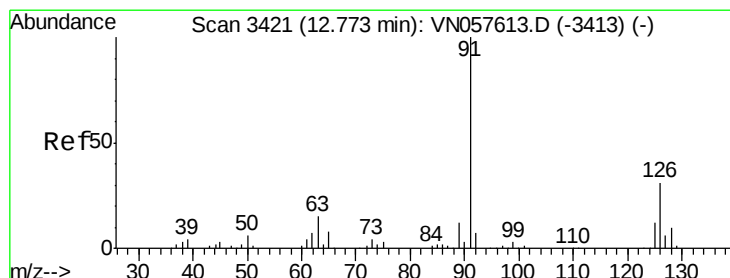
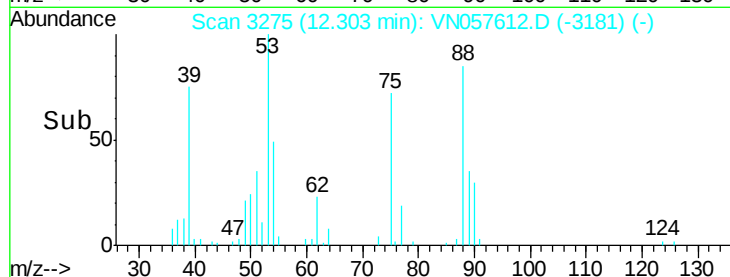
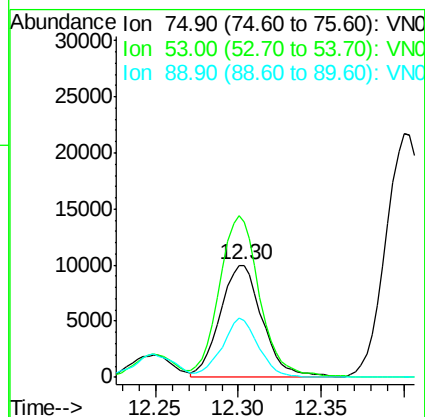
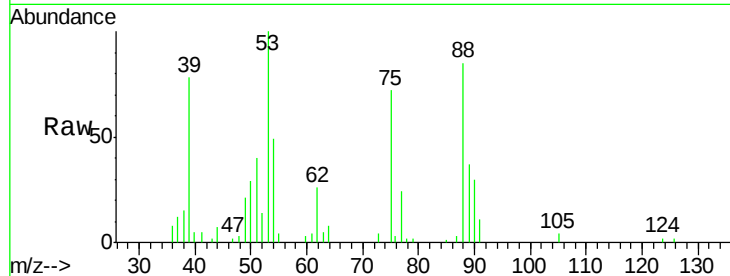
53 138.4 111.0 166.6

89 44.8 38.3 57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.183 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057612.D

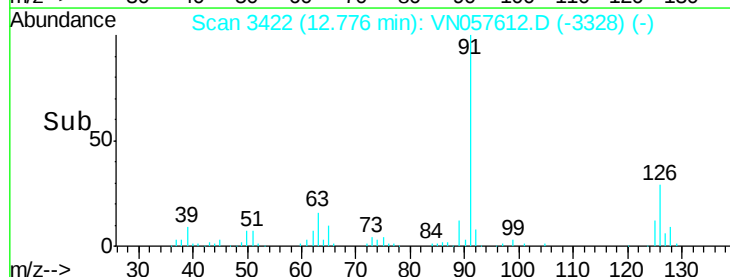
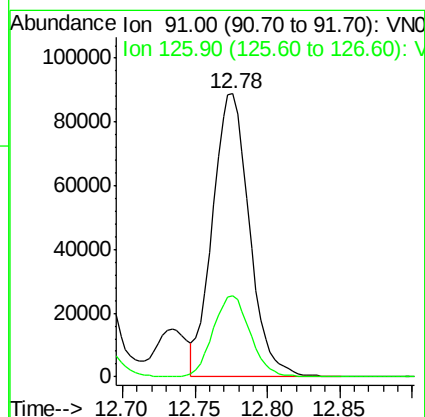
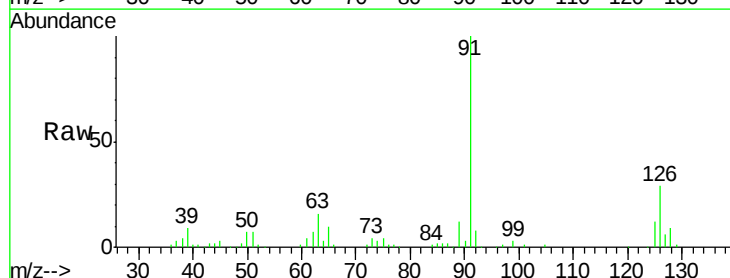
Acq: 31 Aug 2019 13:35

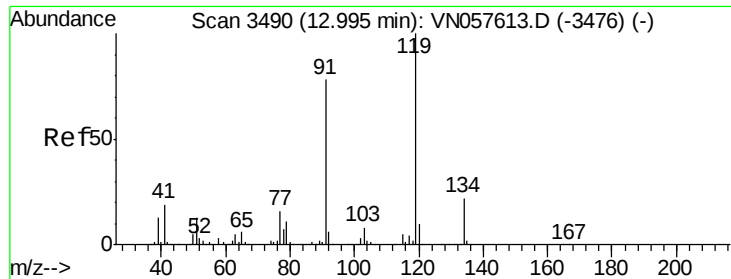
Tgt Ion: 91 Resp: 156506

Ion Ratio Lower Upper

91 100

126 29.0 14.4 43.2





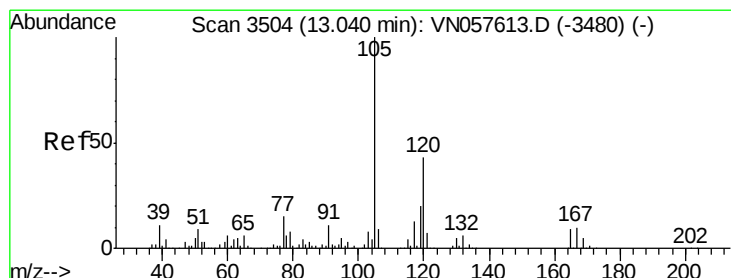
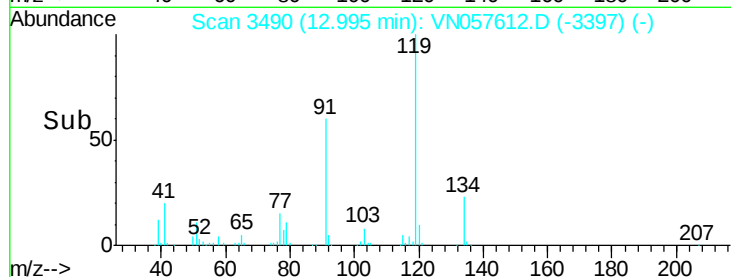
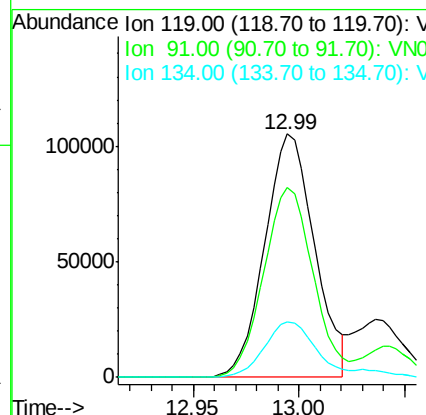
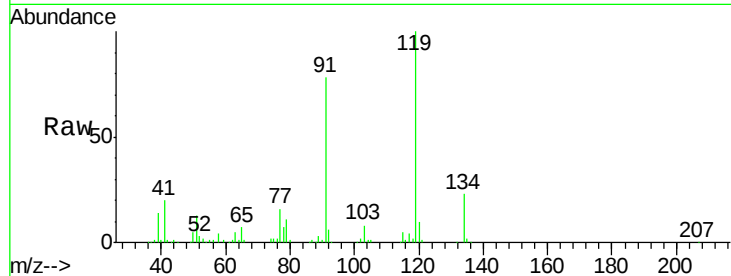
#83
 tert-Butylbenzene
 Concen: 19.336 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.8	38.3	114.9
134	25.6	11.3	33.8

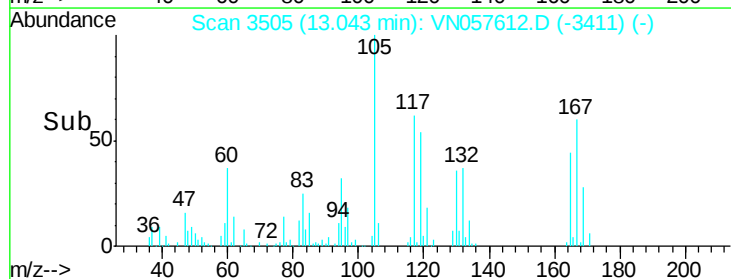
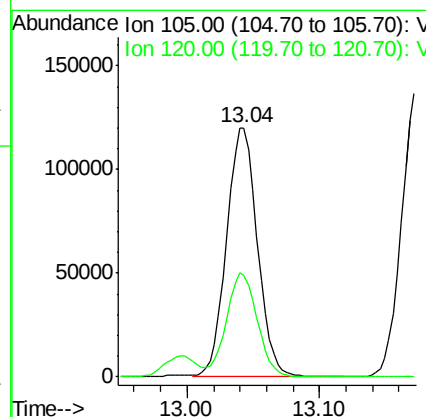
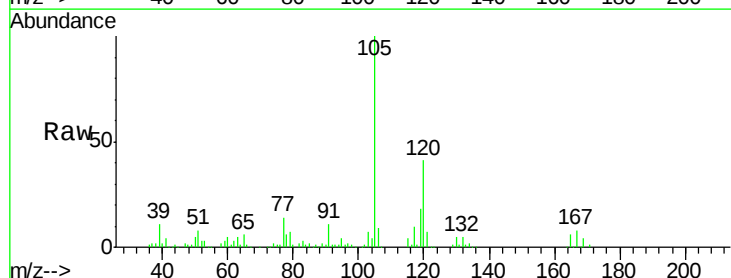
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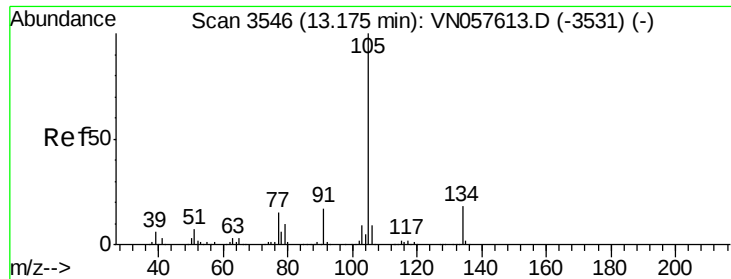
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.759 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.5	20.8	62.5





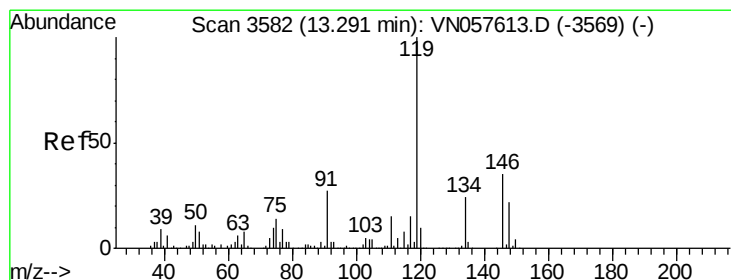
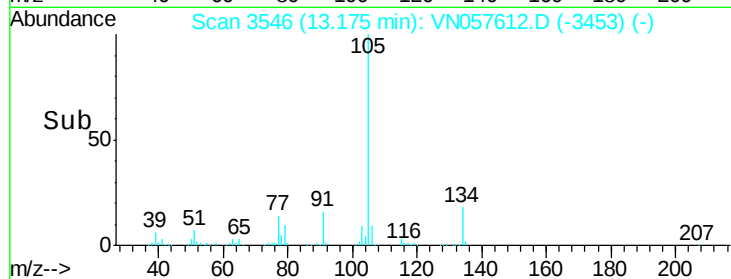
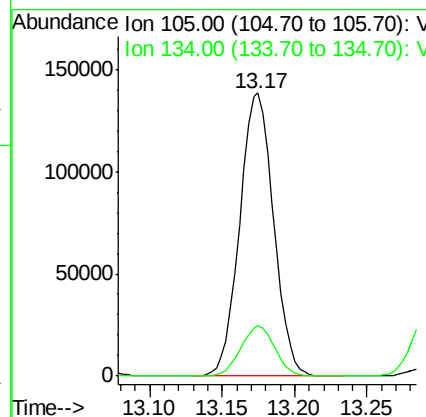
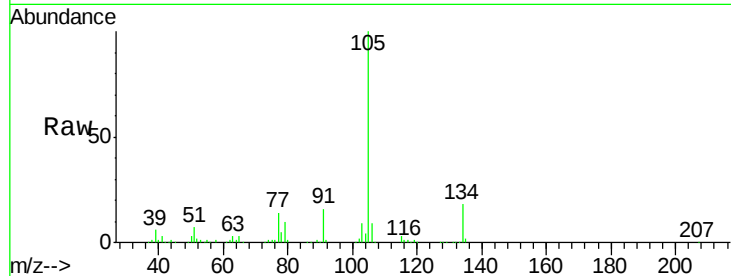
#85
 sec-Butylbenzene
 Concen: 20.451 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	224655		
134	17.8	8.9	26.8	

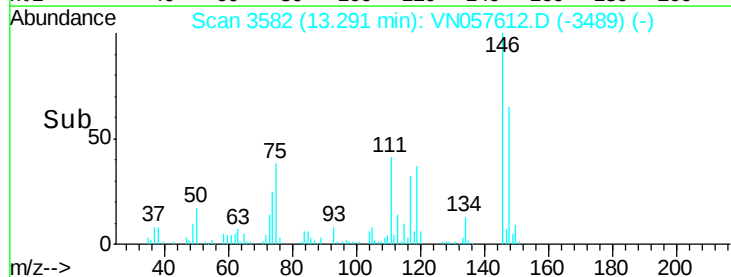
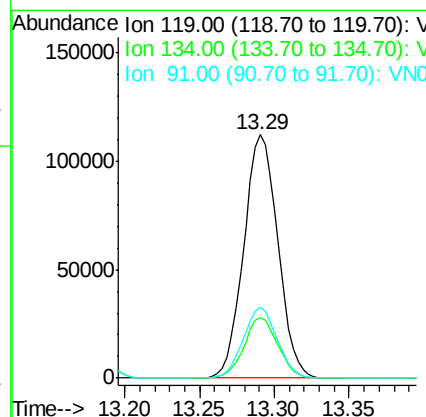
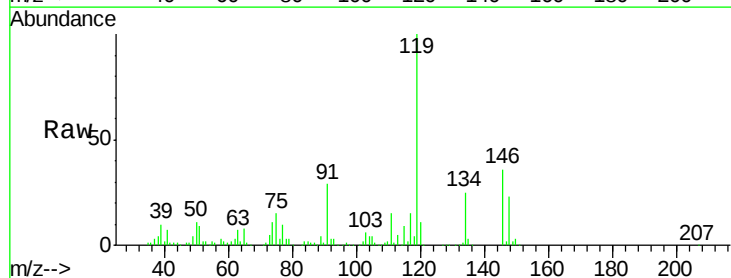
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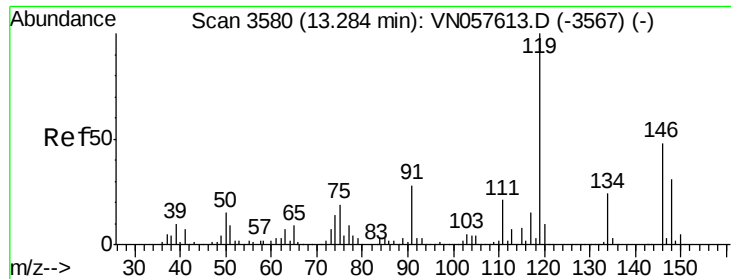
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 9/3/2019 11:51:52 AM



#86
 p-Isopropyltoluene
 Concen: 19.899 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	178105		
134	24.5	11.9	35.5	
91	28.8	13.7	41.0	





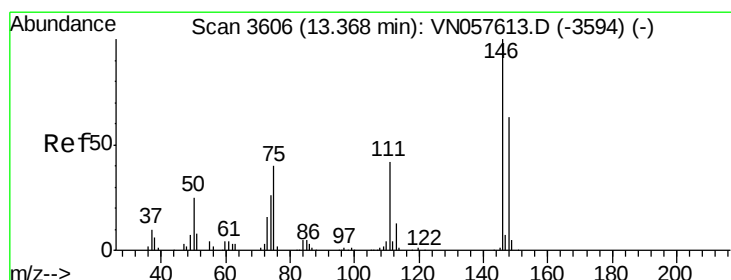
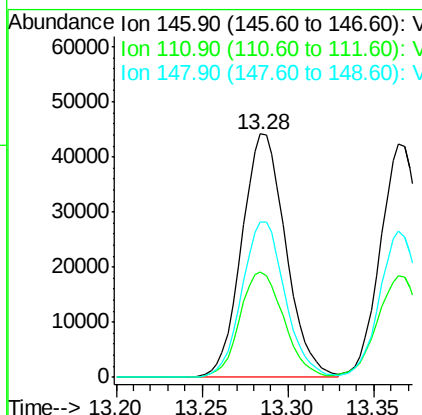
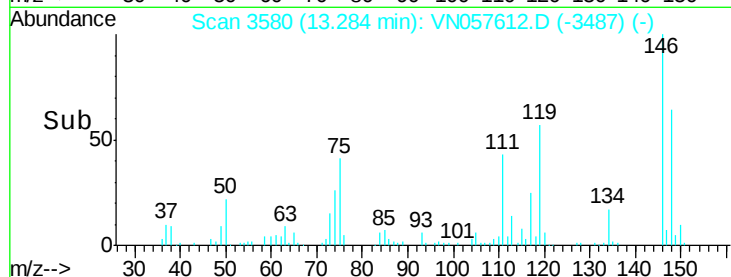
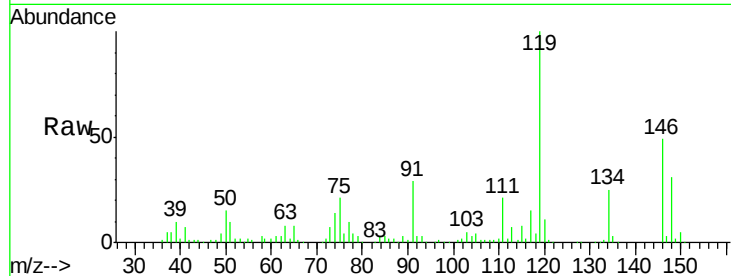
#87
 1,3-Dichlorobenzene
 Concen: 21.126 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	62.5	31.4	94.2

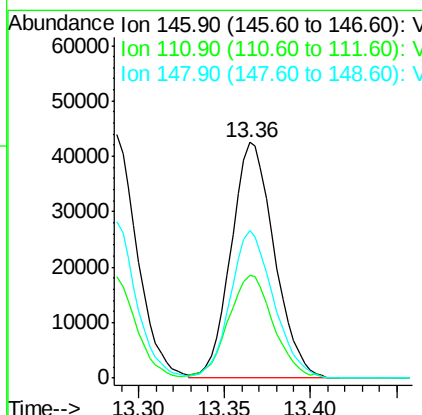
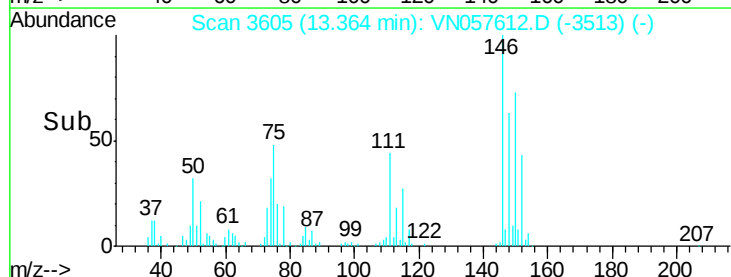
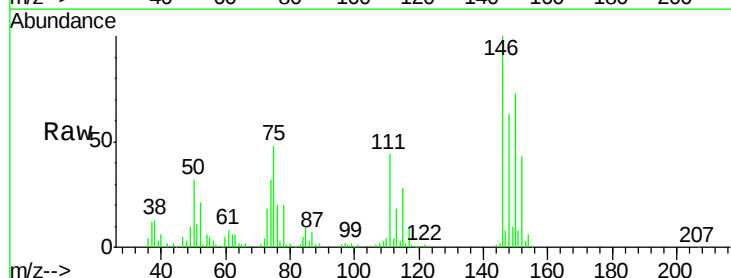
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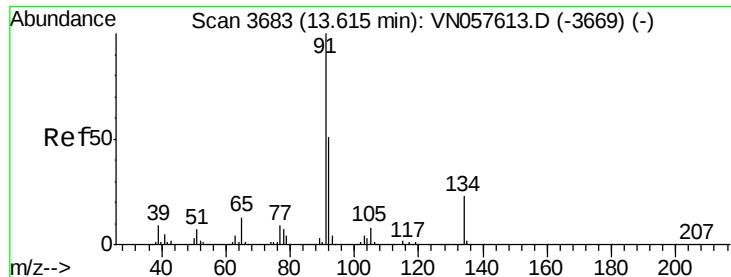
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#88
 1,4-Dichlorobenzene
 Concen: 20.509 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	21.6	65.0
148	62.6	32.2	96.6





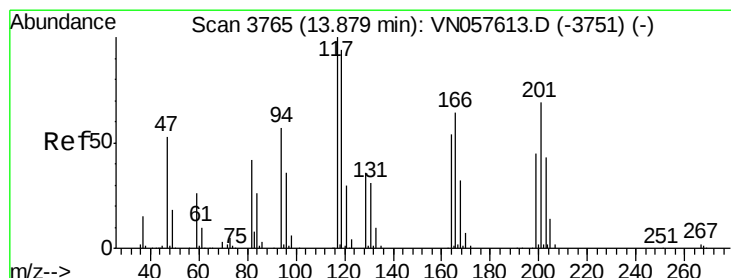
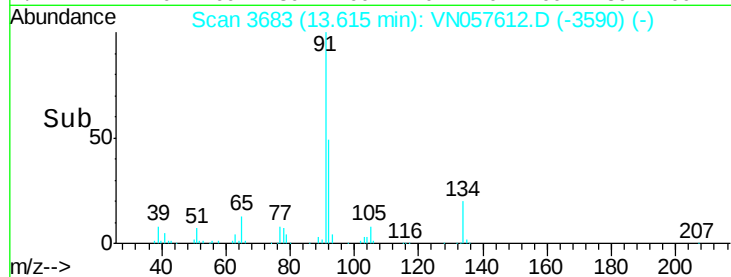
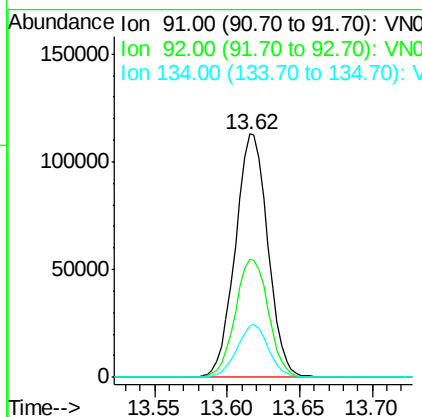
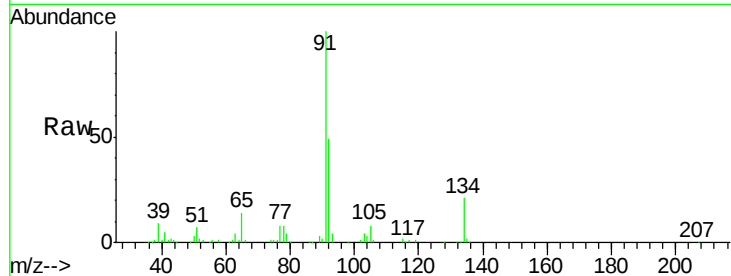
#89
n-Butylbenzene
Concen: 23.148 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.4	25.4	76.0
134	21.0	11.0	33.0

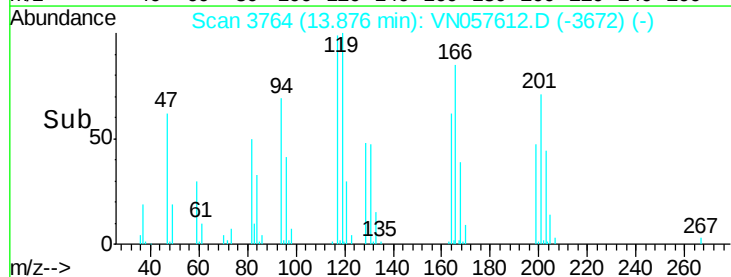
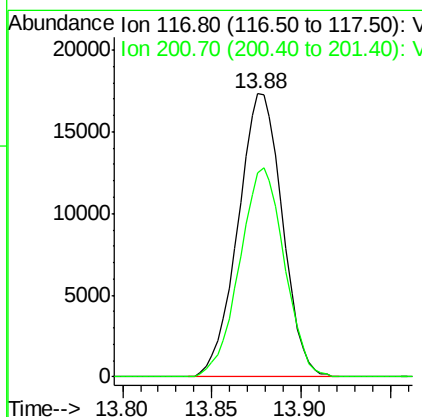
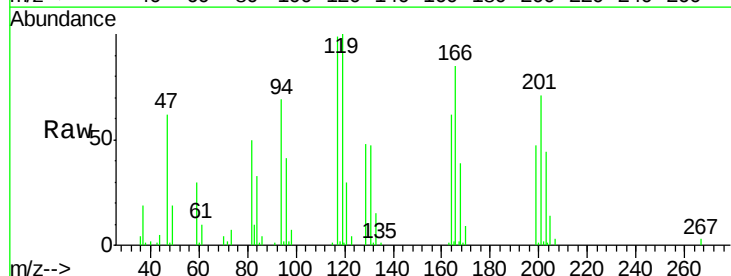
Manual Integrations
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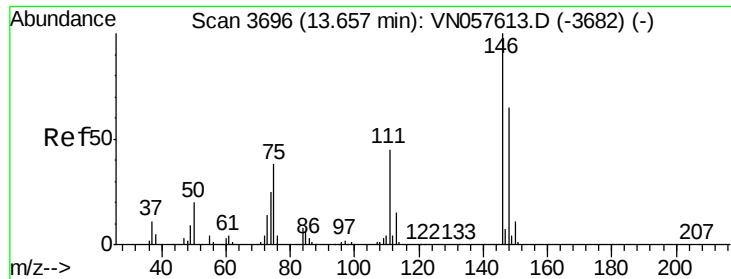
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9/3/2019 11:51:52 AM



#90
Hexachloroethane
Concen: 14.953 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	34.4	103.2





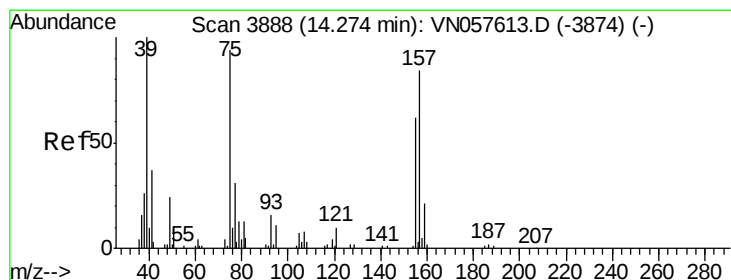
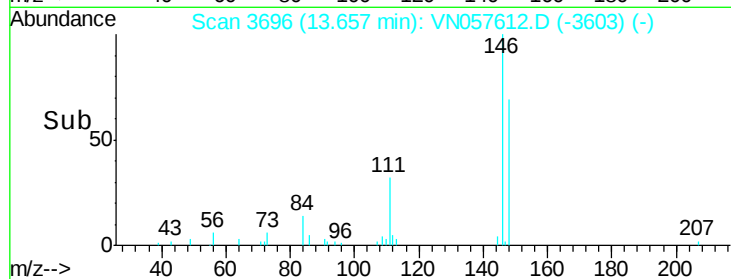
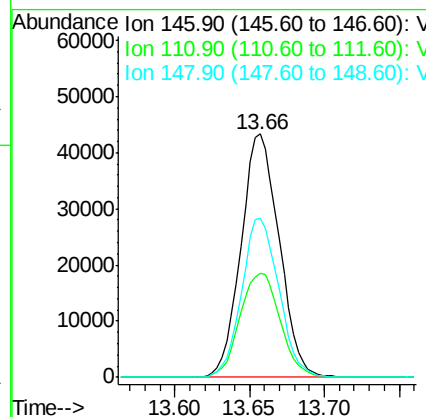
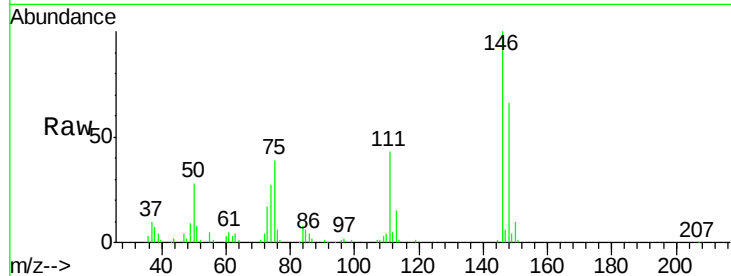
#91
 1,2-Dichlorobenzene
 Concen: 21.616 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.1	66.5
148	63.6	31.6	94.7

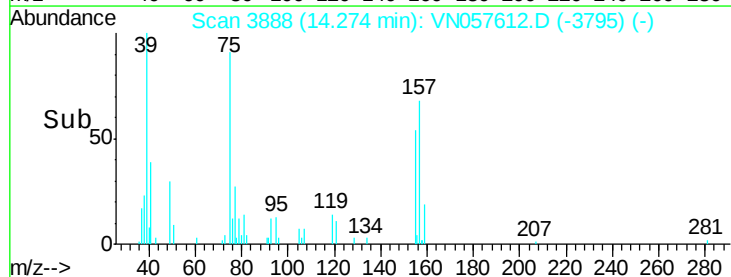
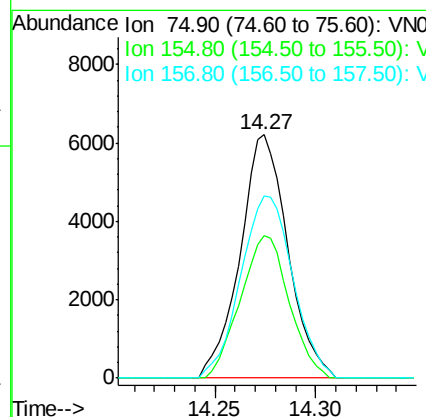
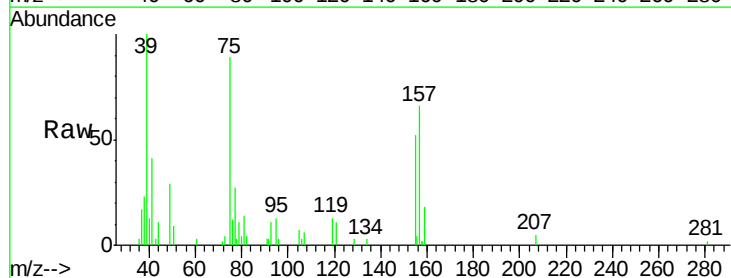
Manual Integrations
 APPROVED

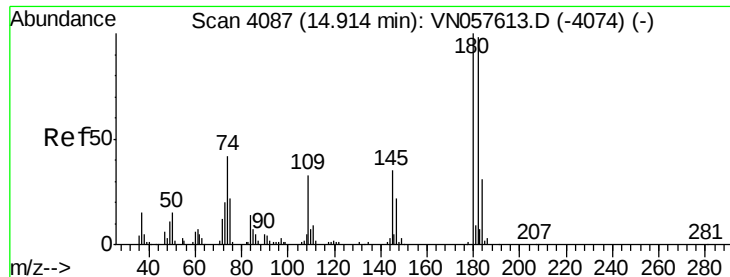
MMDadoda
 9/3/2019 11:51:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.208 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.7	30.1	90.5
157	81.8	41.4	124.4





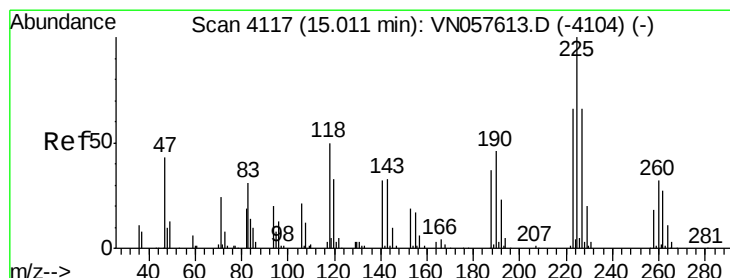
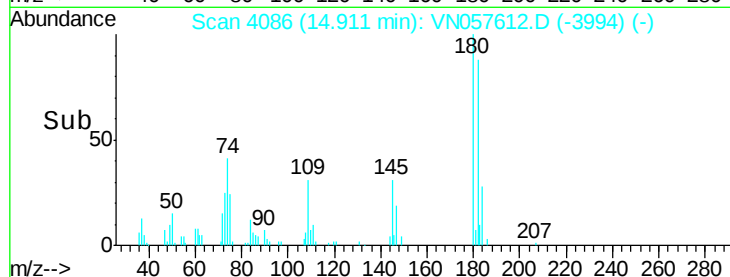
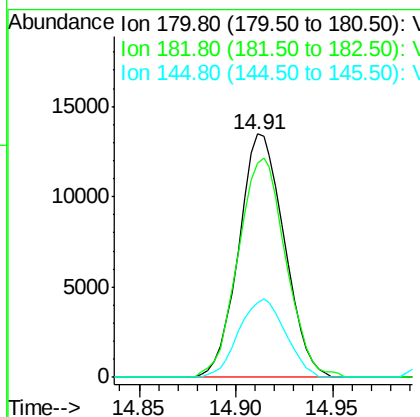
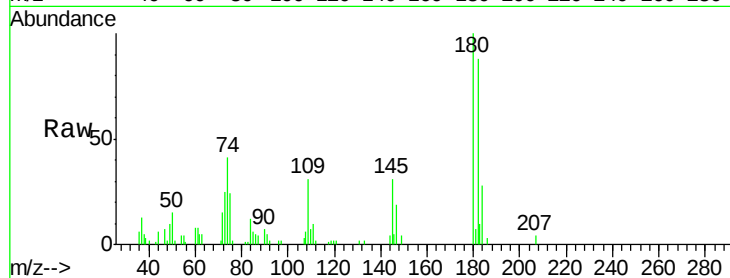
#93
 1,2,4-Trichlorobenzene
 Concen: 16.947 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	22078		
182	94.3		47.8	143.3
145	32.9		16.9	50.7

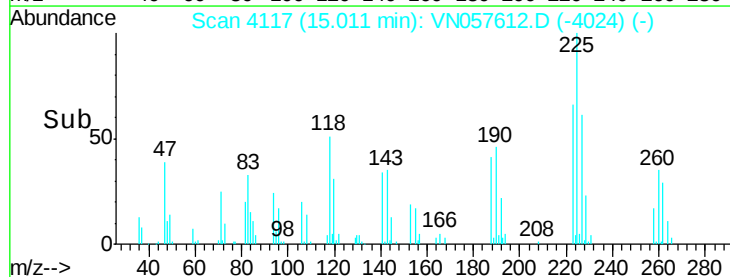
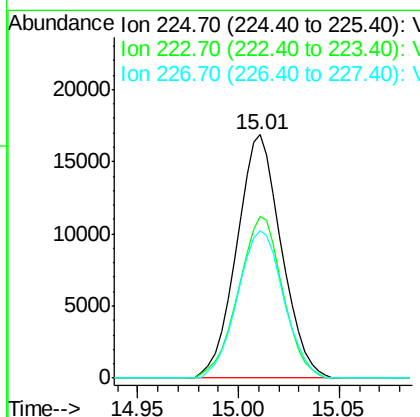
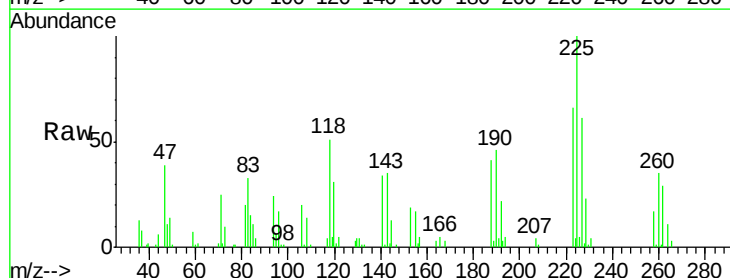
Manual Integrations
 APPROVED

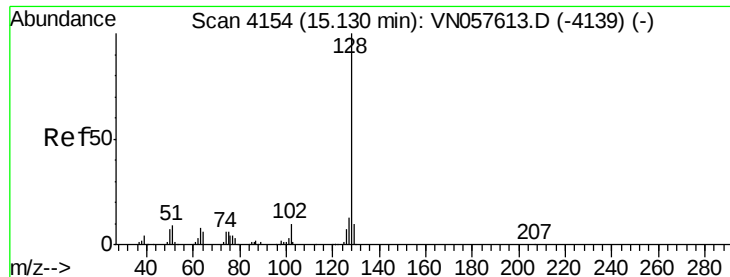
MMDadoda
 9/3/2019 11:51:52 AM



#94
 Hexachlorobutadiene
 Concen: 23.131 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26157		
223	65.9		32.3	96.8
227	62.4		32.4	97.2





#95

Naphthalene

Concen: 16.044 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

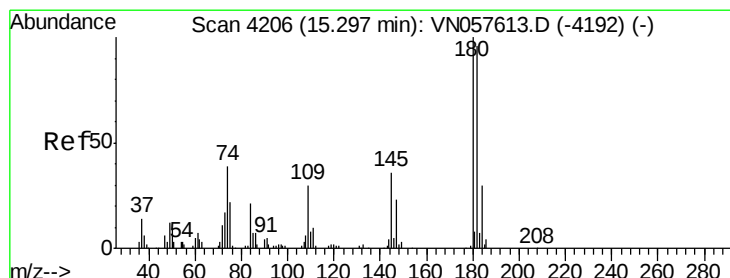
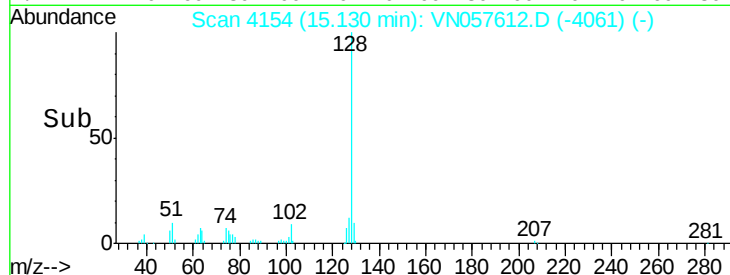
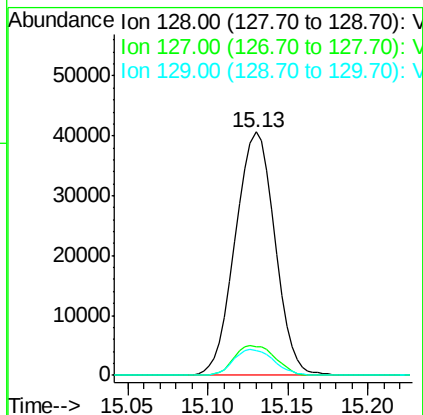
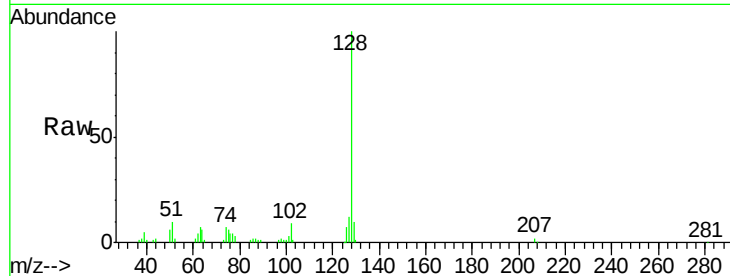
ClientSampled :

VSTDIC020

Tot Ion:	128	Resp:	68502
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:51:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 15.908 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion:	180	Resp:	21754
Ion Ratio	Lower	Upper	
180	100		
182	99.2	46.3	138.9
145	37.4	17.8	53.3

