

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058449.D
 Acq On : 30 Sep 2019 20:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:35 AM

Quant Time: Oct 01 05:25:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	412917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	708808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	650948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316830	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	306366	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	7.57	113	222154	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.08	98	871547	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.41	95	323652	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	227506	50.249	ug/l	99
3) Chloromethane	2.03	50	249925	50.210	ug/l	99
4) Vinyl Chloride	2.17	62	249095	51.085	ug/l	98
5) Bromomethane	2.54	94	131948	50.945	ug/l	98
6) Chloroethane	2.68	64	148945	50.980	ug/l	97
7) Trichlorofluoromethane	3.00	101	298479	50.725	ug/l	98
8) Diethyl Ether	3.39	74	126861	49.968	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	200874	50.266	ug/l	98
10) Methyl Iodide	3.93	142	223413	50.419	ug/l	99
11) Tert butyl alcohol	4.76	59	188583	281.324	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	193867	49.770	ug/l	99
13) Acrolein	3.59	56	79818	374.366	ug/l	99
14) Allyl chloride	4.30	41	359320	50.689	ug/l	99
15) Acrylonitrile	4.96	53	527636	270.074	ug/l	100
16) Acetone	3.79	43	460707	223.973	ug/l	99
17) Carbon Disulfide	4.03	76	534187	52.025	ug/l	99
18) Methyl Acetate	4.30	43	250007	48.324	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	693239	50.440	ug/l	100
20) Methylene Chloride	4.53	84	235447	49.600	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	218384	50.417	ug/l	97
22) Diisopropyl ether	5.93	45	790387	51.814	ug/l	96
23) Vinyl Acetate	5.87	43	3239367	281.635	ug/l	100
24) 1,1-Dichloroethane	5.83	63	445642	51.909	ug/l	100
25) 2-Butanone	6.81	43	731751	259.104	ug/l	99
26) 2,2-Dichloropropane	6.81	77	328912	46.602	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	260538	51.463	ug/l	98
28) Bromochloromethane	7.18	49	181406	52.862	ug/l	98
29) Tetrahydrofuran	7.19	42	481304	268.515	ug/l	100
30) Chloroform	7.36	83	447480	51.437	ug/l	99
31) Cyclohexane	7.64	56	410282	49.130	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	376737	52.735	ug/l	99
36) 1,1-Dichloropropene	7.78	75	344337	50.805	ug/l	99
37) Ethyl Acetate	6.91	43	310083	53.963	ug/l	99
38) Carbon Tetrachloride	7.76	117	325177	53.153	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	409325	51.717	ug/l	97
40) Benzene	8.03	78	1001867	51.425	ug/l	99
41) Methacrylonitrile	7.16	41	135436m	51.233	ug/l	
42) 1,2-Dichloroethane	8.11	62	383083	50.542	ug/l	100
43) Isopropyl Acetate	8.15	43	535956	49.600	ug/l	100
44) Trichloroethene	8.82	130	245666	51.069	ug/l	97
45) 1,2-Dichloropropane	9.11	63	274741	52.583	ug/l	97
46) Dibromomethane	9.20	93	171993	51.979	ug/l	97
47) Bromodichloromethane	9.39	83	344906	55.015	ug/l	99
48) Methyl methacrylate	9.19	41	259533	52.747	ug/l	99
49) 1,4-Dioxane	9.19	88	88309	1342.269	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1580563	284.762	ug/l	99
52) Toluene	10.15	92	626157	51.063	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	373880	54.792	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	411693	54.352	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	235337	52.707	ug/l	99
56) Ethyl methacrylate	10.43	69	371074	54.769	ug/l	99
57) 1,3-Dichloropropane	10.71	76	425962	53.484	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	734259	271.788	ug/l	99
59) 2-Hexanone	10.75	43	1148177	284.091	ug/l	100
60) Dibromochloromethane	10.90	129	242369	52.446	ug/l	97
61) 1,2-Dibromoethane	11.00	107	245120	53.727	ug/l	98
64) Tetrachloroethene	10.63	164	201423	48.704	ug/l	98
65) Chlorobenzene	11.43	112	655528	50.662	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	229393	52.618	ug/l	99
67) Ethyl Benzene	11.51	91	1238690	52.852	ug/l	100
68) m/p-Xylenes	11.62	106	905337	102.670	ug/l	98
69) o-Xylene	11.95	106	430466	50.712	ug/l	96
70) Styrene	11.97	104	746848	54.158	ug/l	100
71) Bromoform	12.13	173	158173	52.466	ug/l #	100
73) Isopropylbenzene	12.25	105	1201079	51.296	ug/l	100
74) N-amyl acetate	12.07	43	489694	52.571	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	352777	50.952	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	311491m	53.827	ug/l	
77) Bromobenzene	12.53	156	269994	49.178	ug/l	97
78) n-propylbenzene	12.60	91	1427662	54.121	ug/l	99
79) 2-Chlorotoluene	12.68	91	825416	50.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1026584	52.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98472	51.681	ug/l	98
82) 4-Chlorotoluene	12.78	91	852727	51.325	ug/l	99
83) tert-Butylbenzene	13.00	119	864724	52.284	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1019319	51.906	ug/l	99
85) sec-Butylbenzene	13.18	105	1180304	54.220	ug/l	100
86) p-Isopropyltoluene	13.30	119	1053330	54.970	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	507075	50.936	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	498375	50.317	ug/l	99
89) n-Butylbenzene	13.62	91	946707	54.542	ug/l	100
90) Hexachloroethane	13.88	117	166823	57.945	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	497620	52.024	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69158	56.642	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	292235	55.288	ug/l	100
94) Hexachlorobutadiene	15.02	225	138247	50.886	ug/l	98
95) Naphthalene	15.13	128	788515	50.940	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	278652	52.584	ug/l	99

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

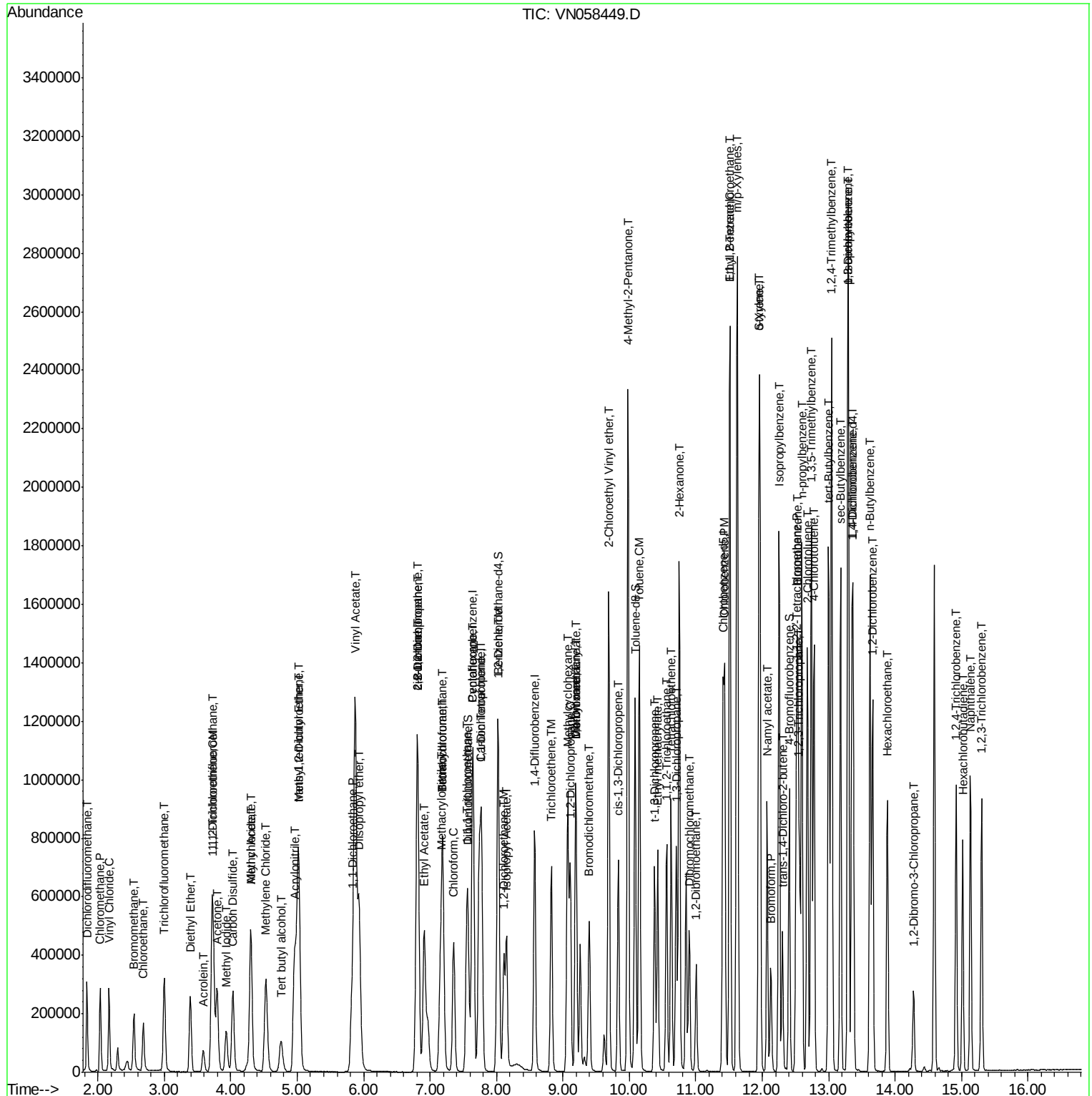
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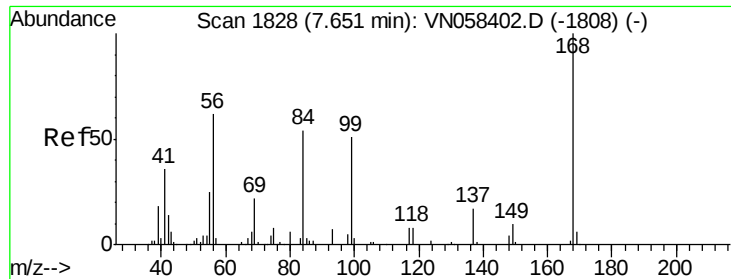
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 412917

Ion Ratio Lower Upper

168 100

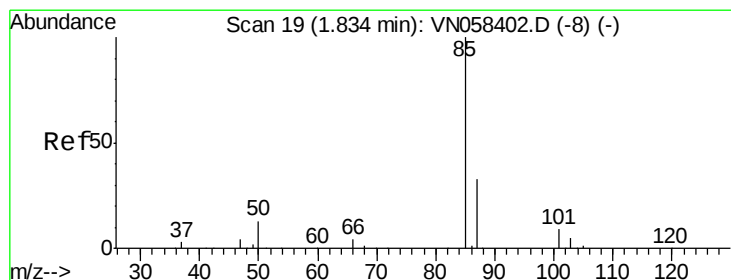
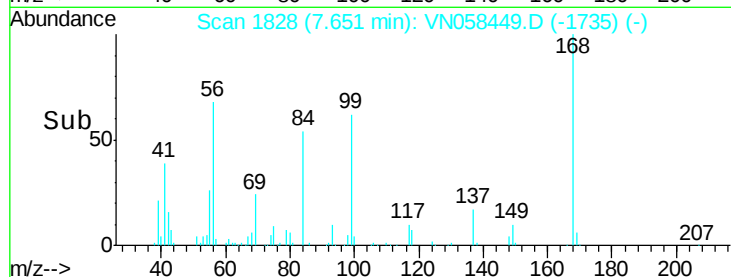
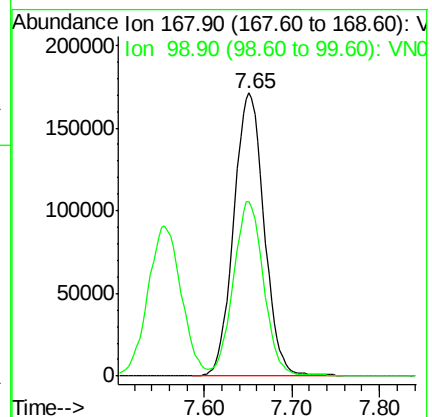
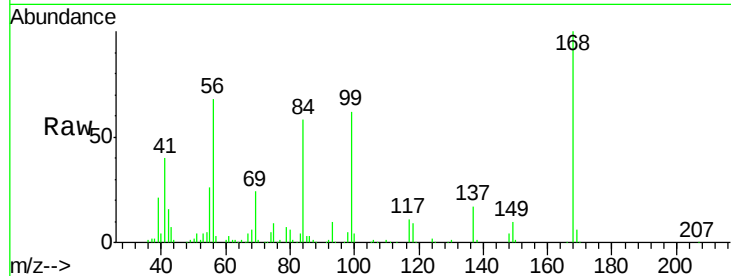
99 61.6 47.7 71.5

Manual Integrations

APPROVED

MMDadoda

10/2/2019 9:22:35 AM



#2

Dichlorodifluoromethane

Concen: 50.249 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058449.D

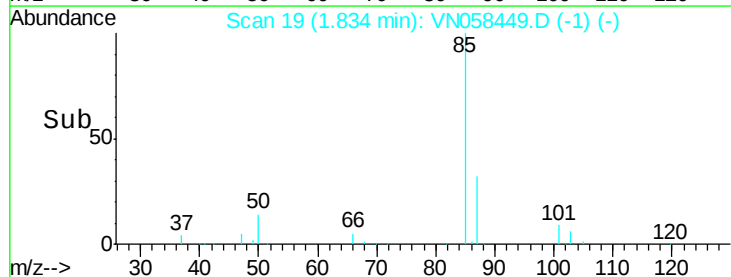
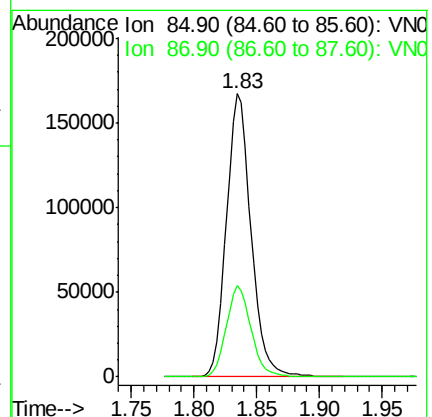
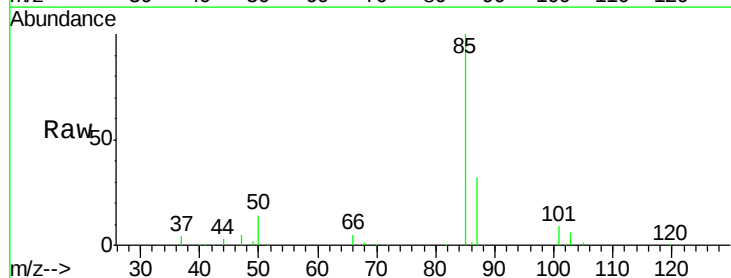
Acq: 30 Sep 2019 20:20

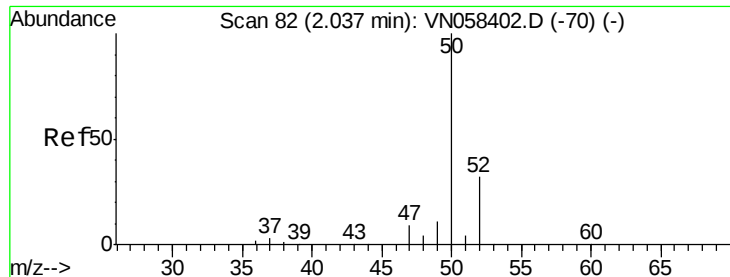
Tgt Ion: 85 Resp: 227506

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1





#3

Chloromethane

Concen: 50.210 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 249925

Ion Ratio Lower Upper

50 100

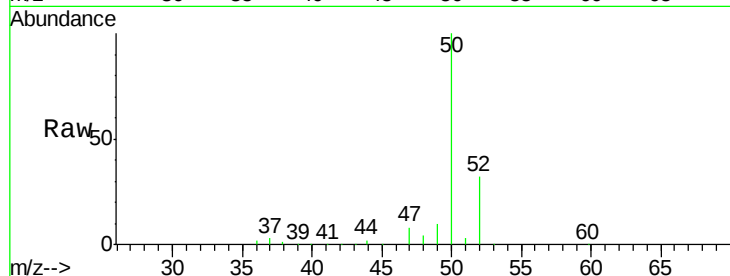
52 31.7 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

10/2/2019 9:22:35 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

200000

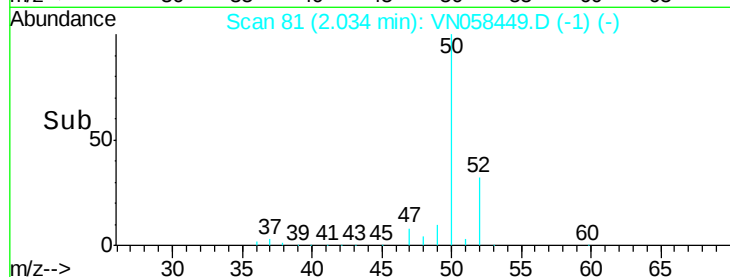
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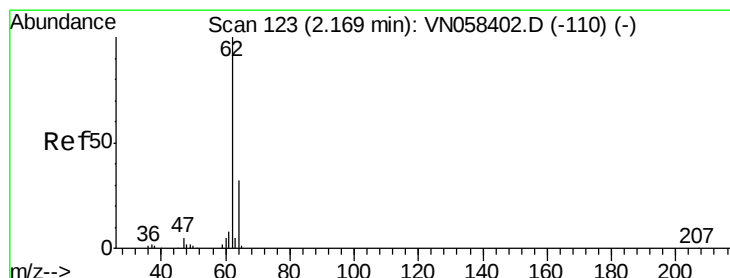
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Time-->



Time-->



#4

Vinyl Chloride

Concen: 51.085 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058449.D

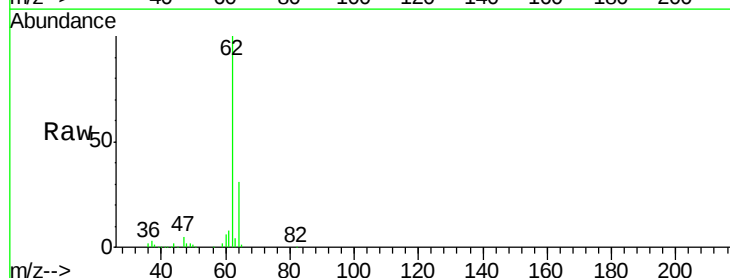
Acq: 30 Sep 2019 20:20

Tgt Ion: 62 Resp: 249095

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

200000

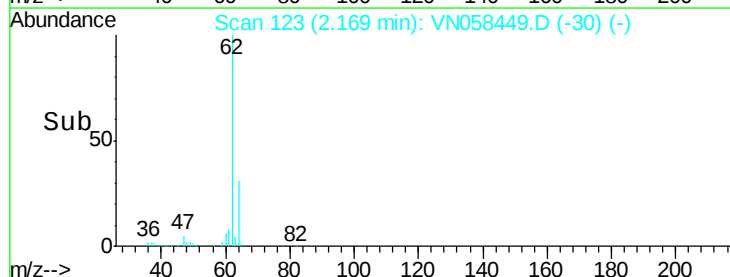
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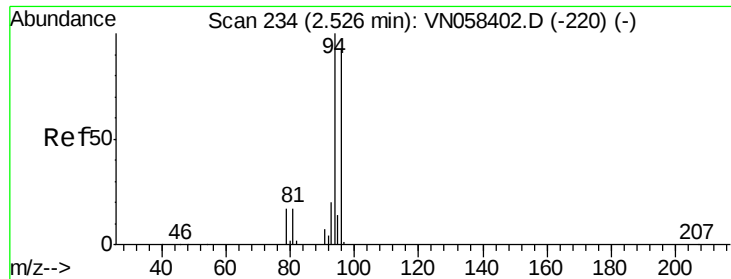
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Time-->



Time-->



#5

Bromomethane

Concen: 50.945 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 131948

Ion Ratio Lower Upper

94 100

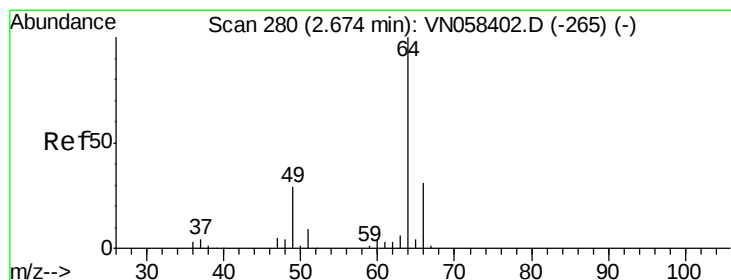
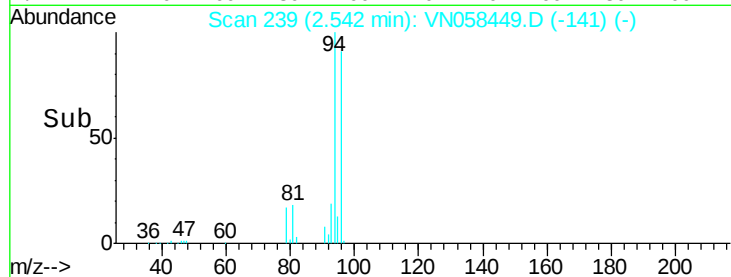
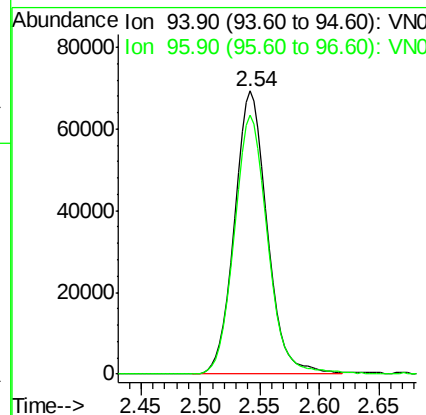
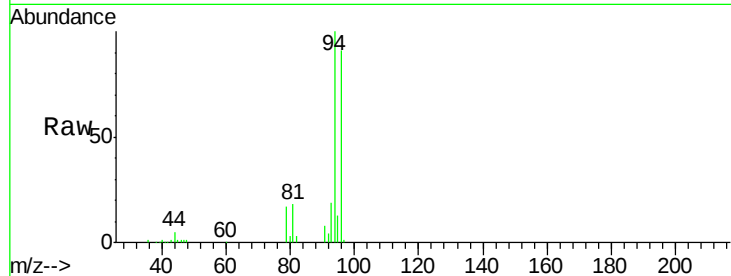
96 91.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 50.980 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058449.D

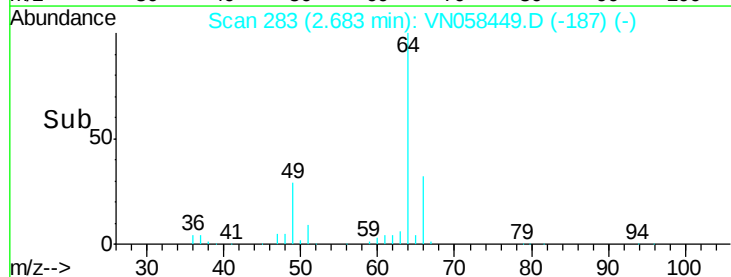
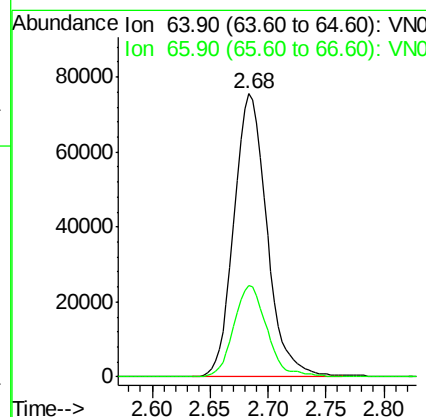
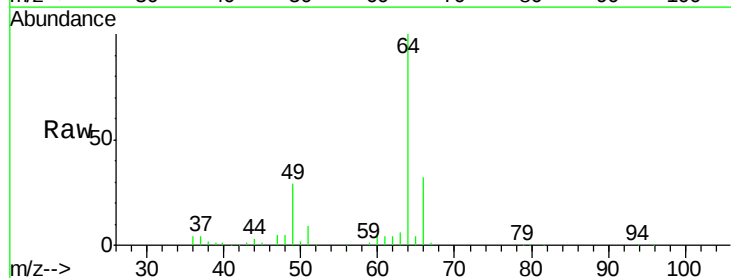
Acq: 30 Sep 2019 20:20

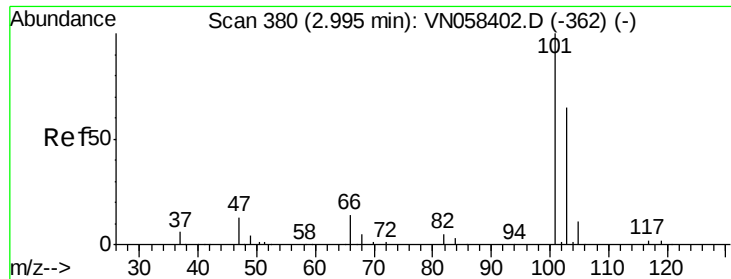
Tgt Ion: 64 Resp: 148945

Ion Ratio Lower Upper

64 100

66 32.3 24.4 36.6





#7

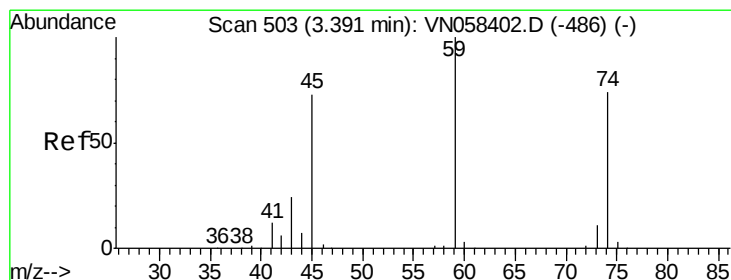
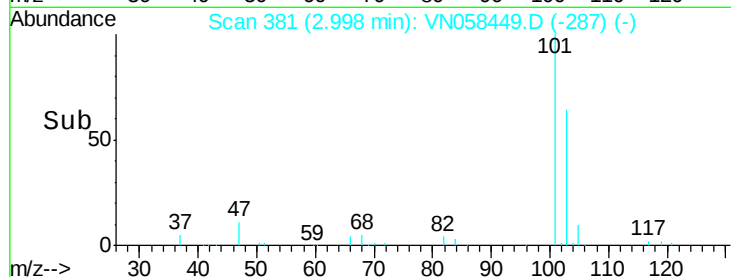
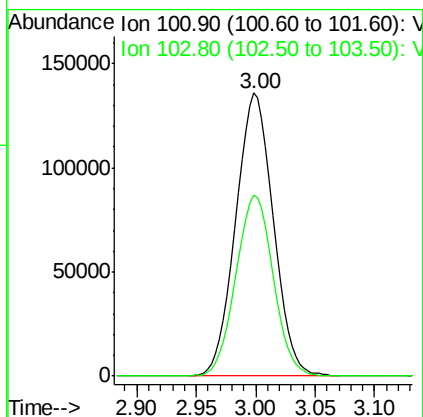
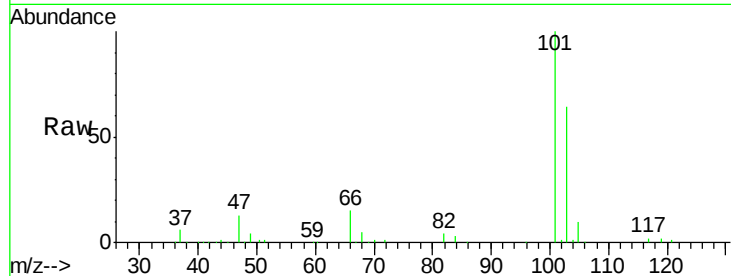
Trichlorofluoromethane
 Concen: 50.725 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

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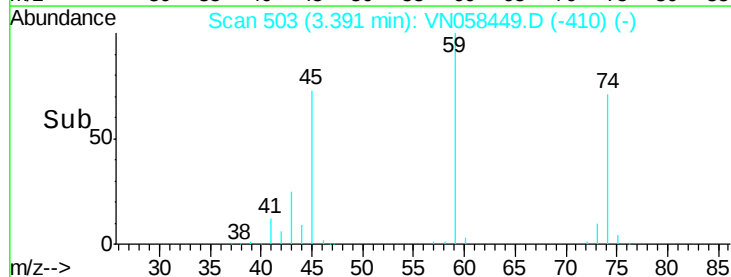
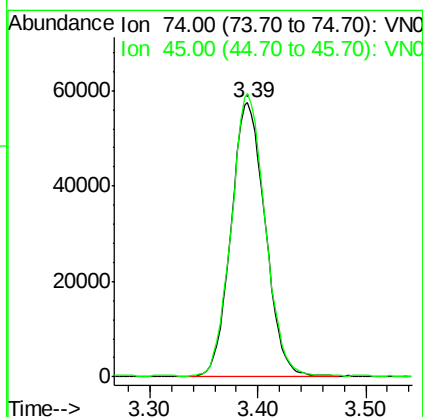
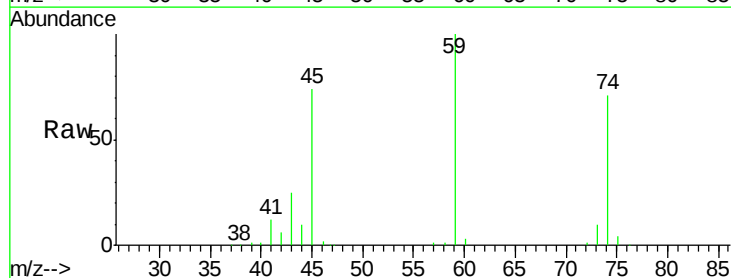
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 10/2/2019 9:22:35 AM

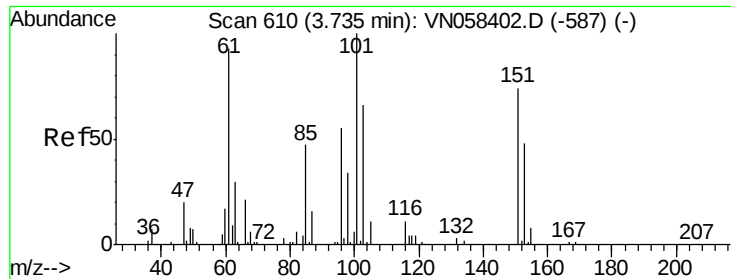


#8

Diethyl Ether
 Concen: 49.968 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.266 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058449.D

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MSVOA_N

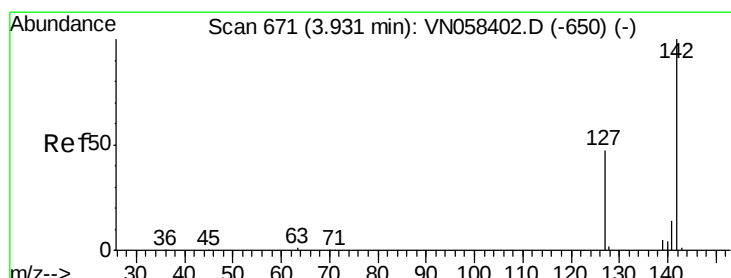
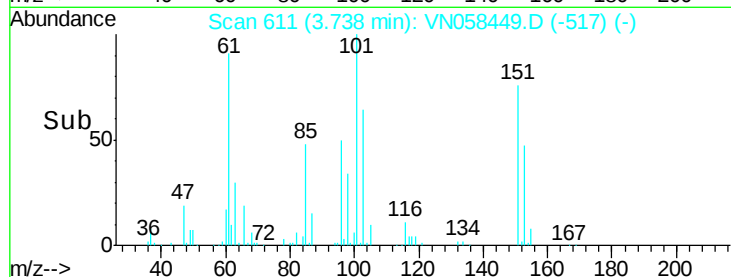
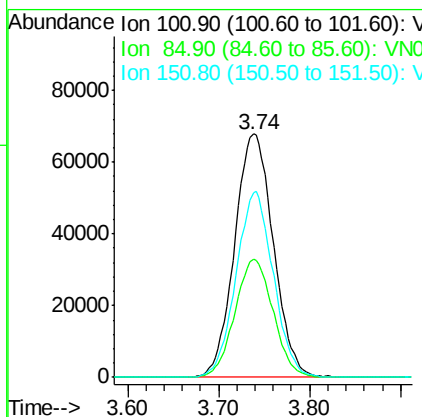
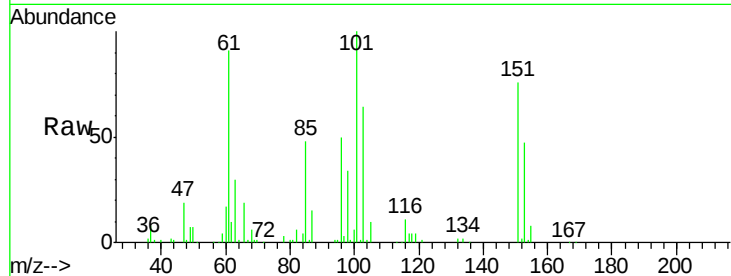
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	200874
Ion Ratio	Lower	Upper	
101	100		
85	47.8	36.7	55.1
151	73.6	59.4	89.0

Manual Integrations
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10/2/2019 9:22:35 AM



#10

Methyl Iodide

Concen: 50.419 ug/l

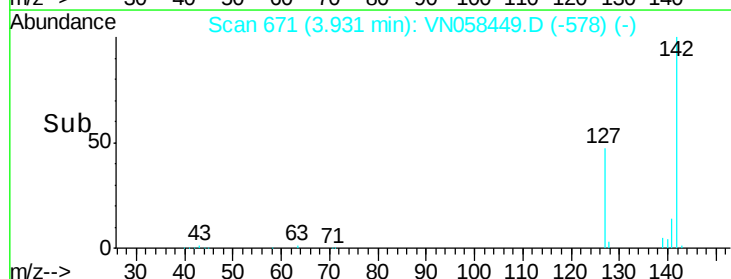
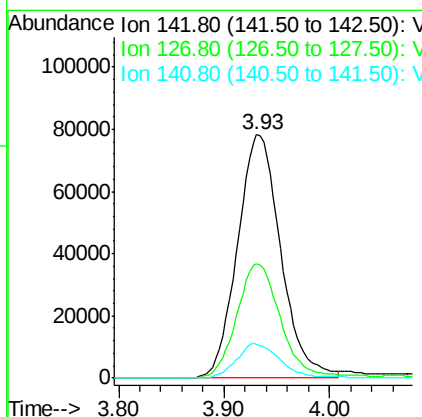
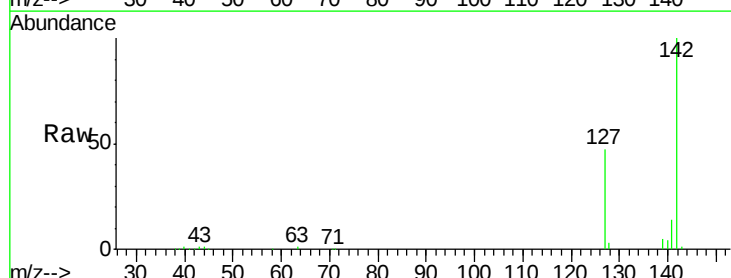
RT: 3.93 min Scan# 671

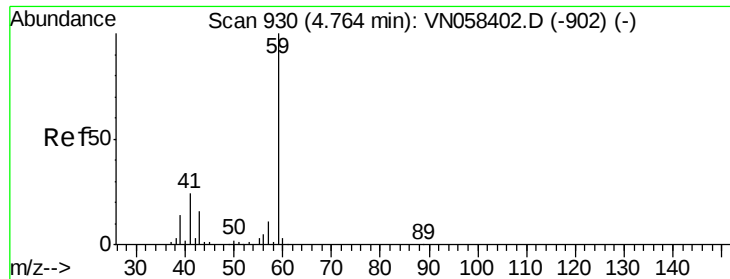
Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Tgt Ion:	142	Resp:	223413
Ion Ratio	Lower	Upper	
142	100		
127	47.4	37.2	55.8
141	14.2	11.3	16.9





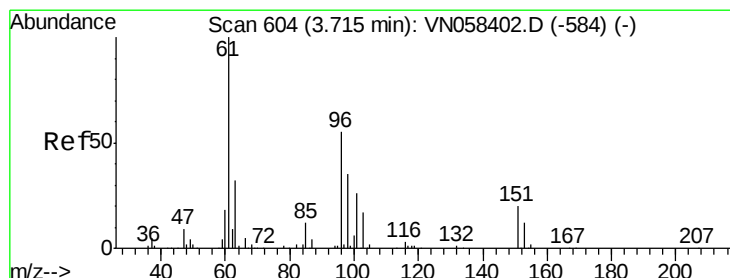
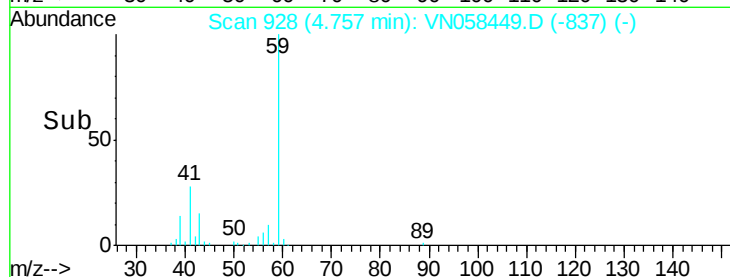
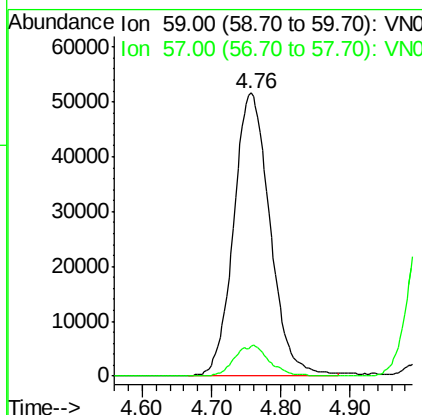
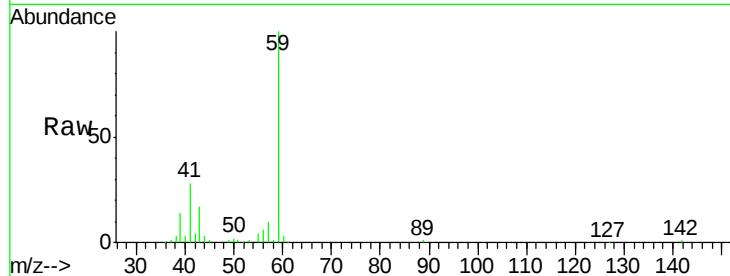
#11
Tert butyl alcohol
Concen: 281.324 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.01 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	188583
Ion Ratio	Lower	Upper	
59	100		
57	4.7	9.0	13.4#

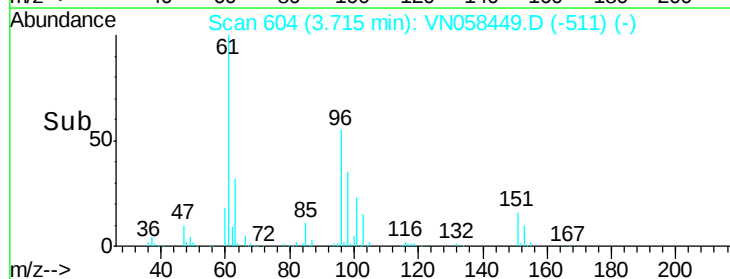
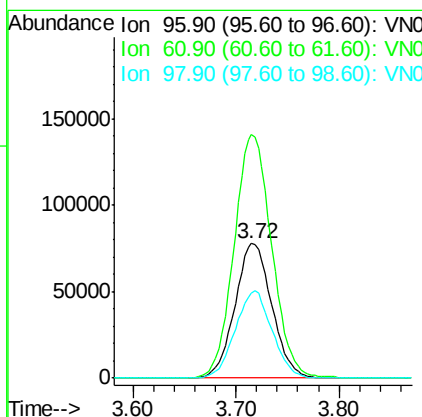
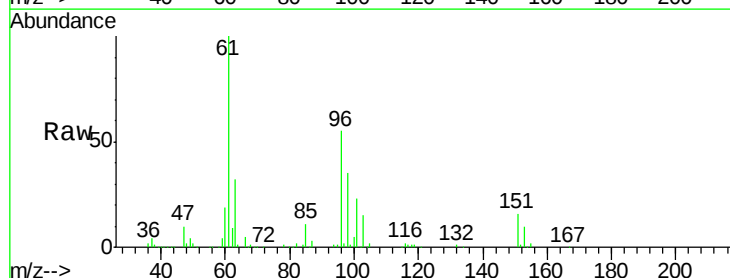
Manual Integrations
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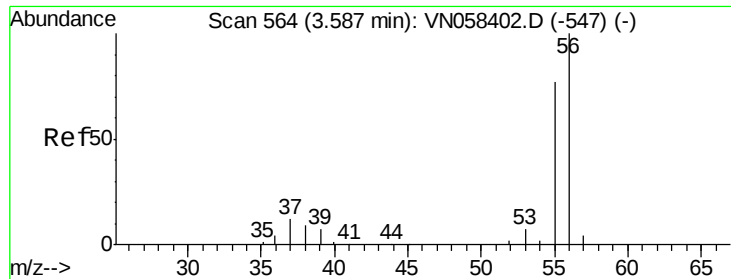
MMDadoda
10/2/2019 9:22:35 AM



#12
1,1-Dichloroethene
Concen: 49.770 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	96	Resp	193867
Ion Ratio	Lower	Upper	
96	100		
61	181.1	146.7	220.1
98	63.6	51.3	76.9





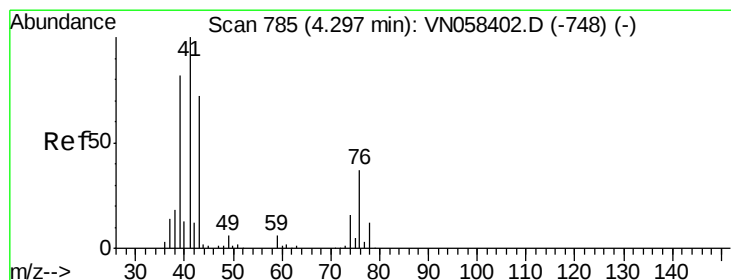
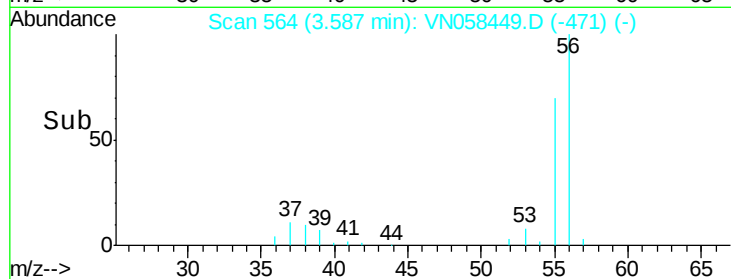
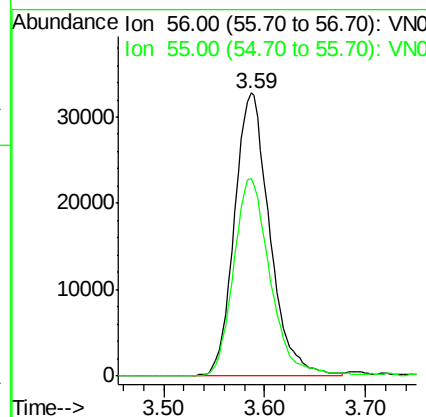
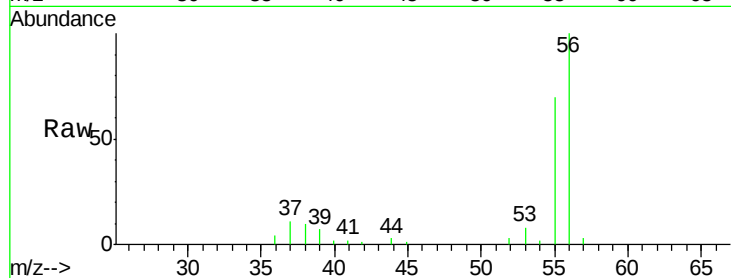
#13
 Acrolein
 Concen: 374.366 ug/l
 RT: 3.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.4	58.3	87.5

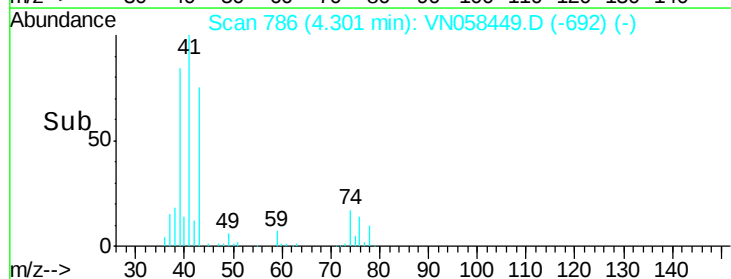
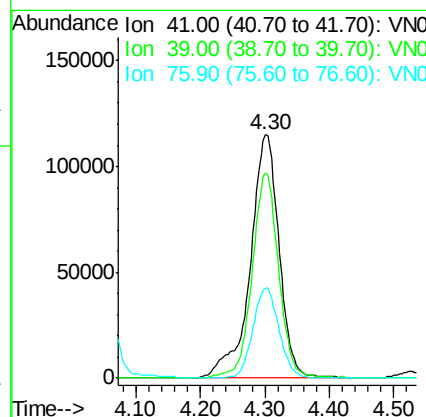
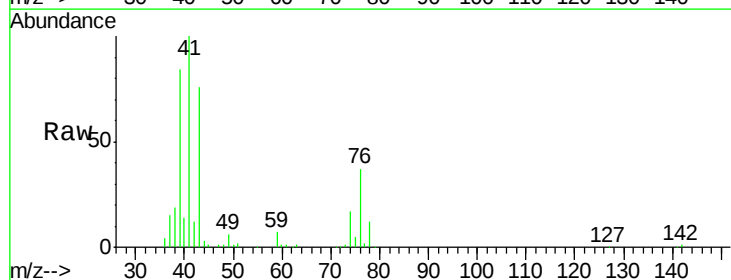
Manual Integrations
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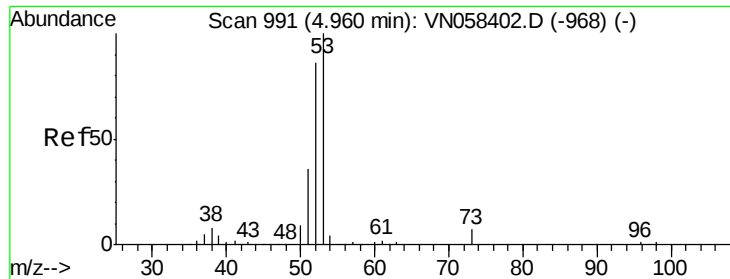
MMDadoda
 10/2/2019 9:22:35 AM



#14
 Allyl chloride
 Concen: 50.689 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	76.8	62.3	93.5
76	76	33.1	26.9	40.3





#15

Acrylonitrile

Concen: 270.074 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

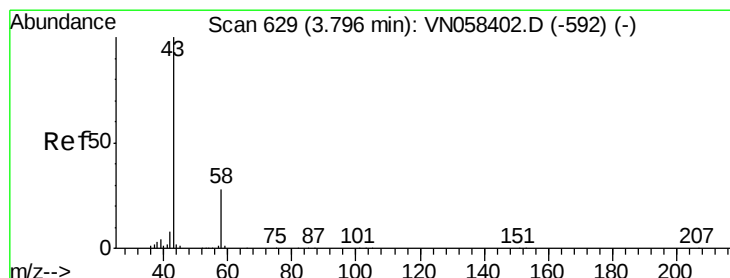
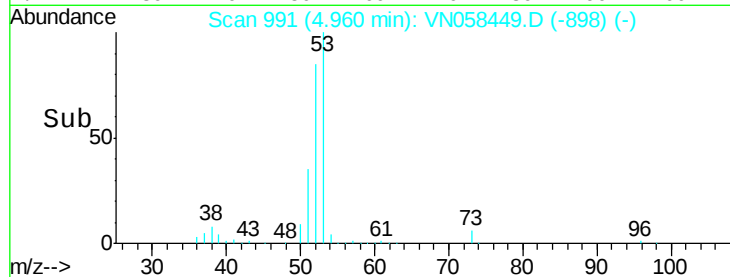
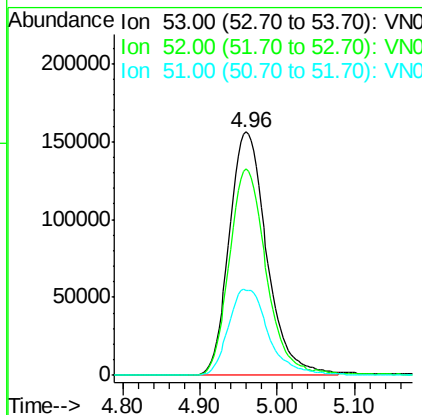
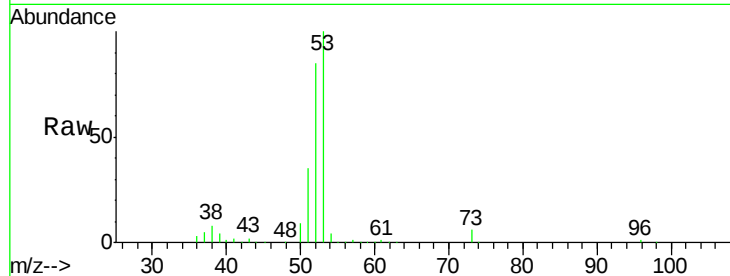
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	527636
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	37.9	29.8	44.8

Manual Integrations
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MMDadoda
10/2/2019 9:22:35 AM



#16

Acetone

Concen: 223.973 ug/l

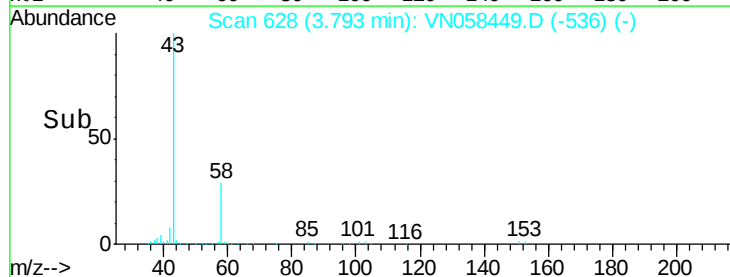
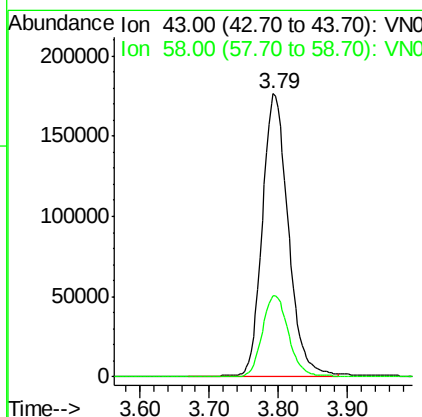
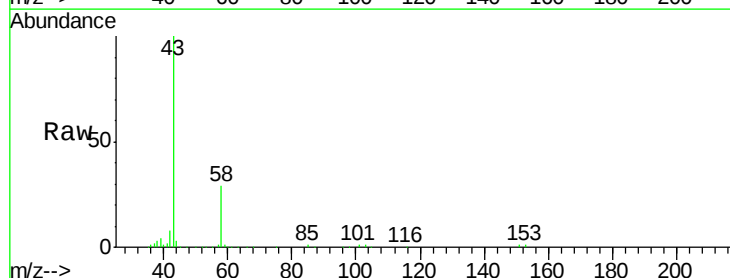
RT: 3.79 min Scan# 628

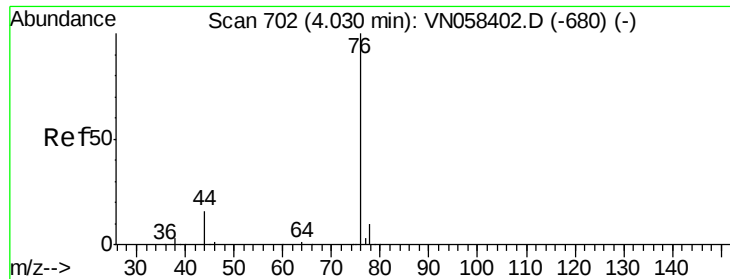
Delta R.T. -0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Tgt Ion:	43	Resp:	460707
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.4	33.6





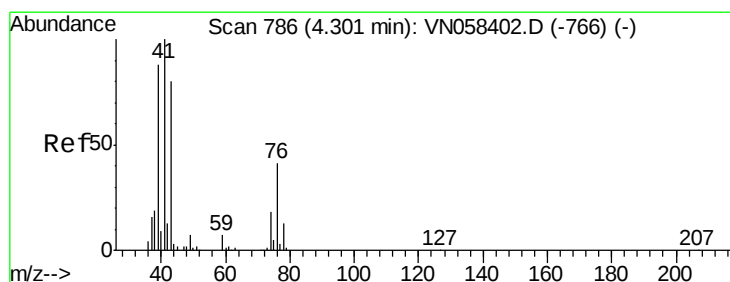
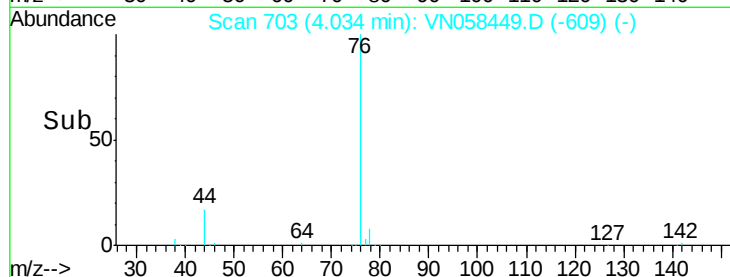
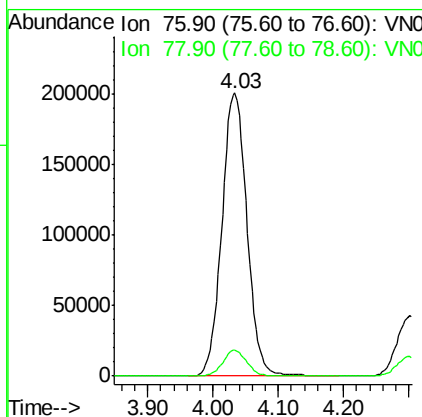
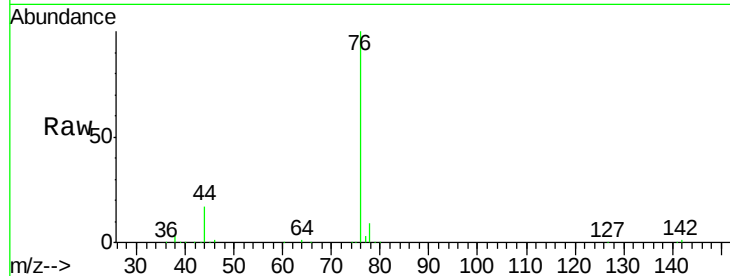
#17
Carbon Disulfide
Concen: 52.025 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.7	11.5

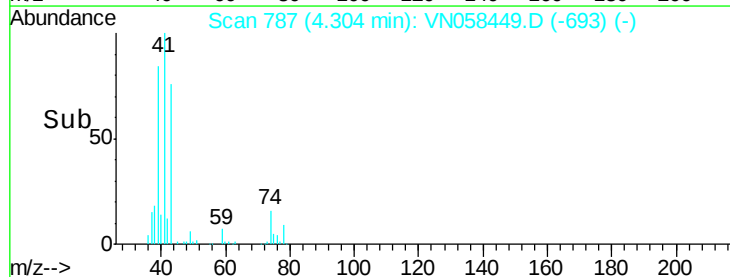
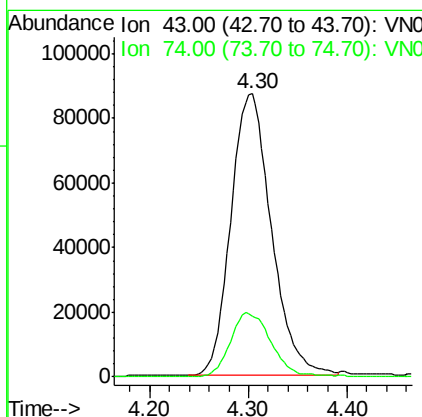
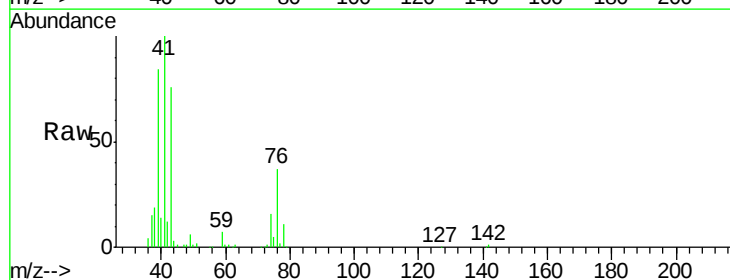
Manual Integrations
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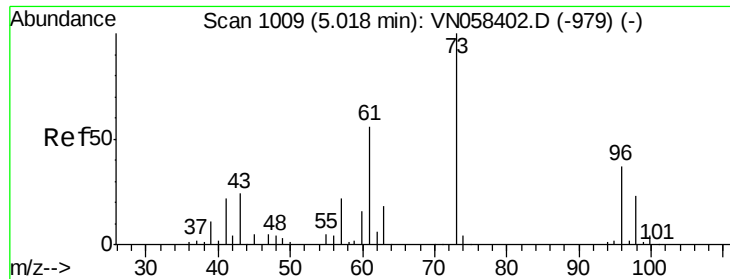
MMDadoda
10/2/2019 9:22:35 AM



#18
Methyl Acetate
Concen: 48.324 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.0	27.0





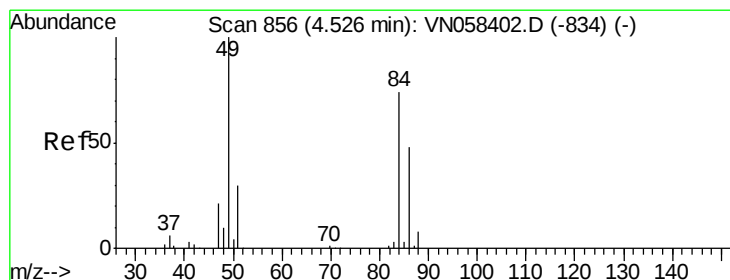
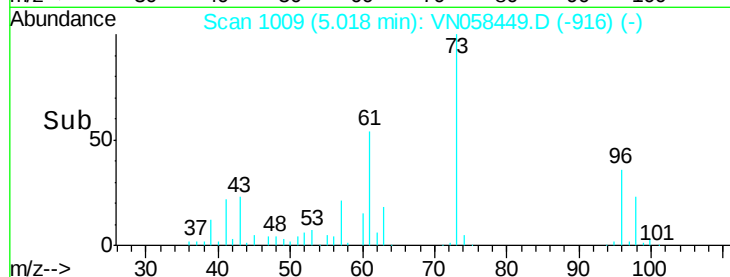
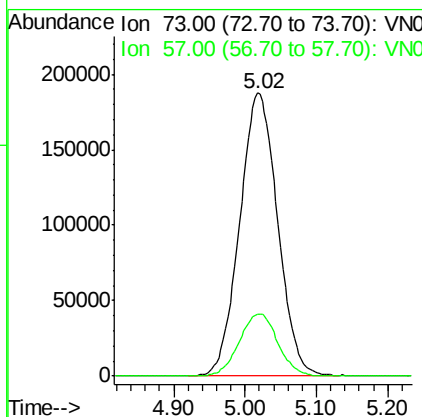
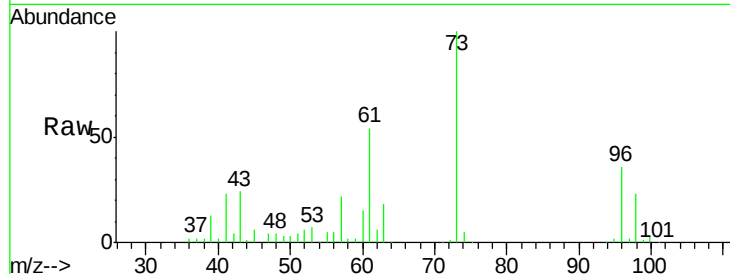
#19
Methvl tert-butvl Ether
Concen: 50.440 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 693239
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

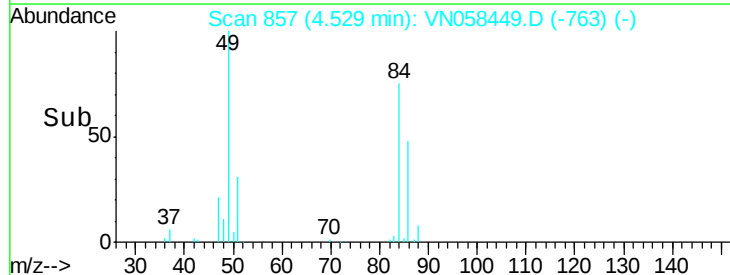
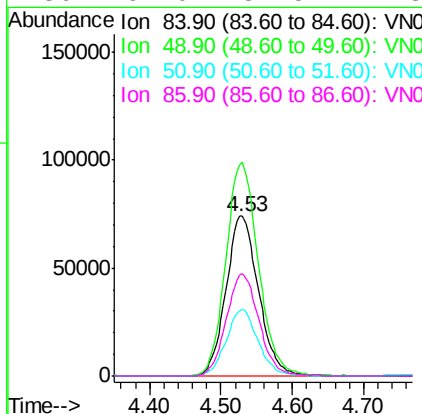
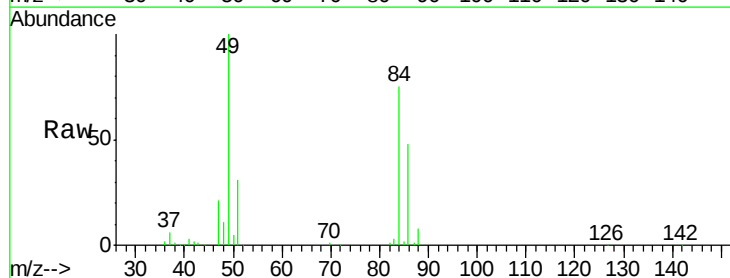
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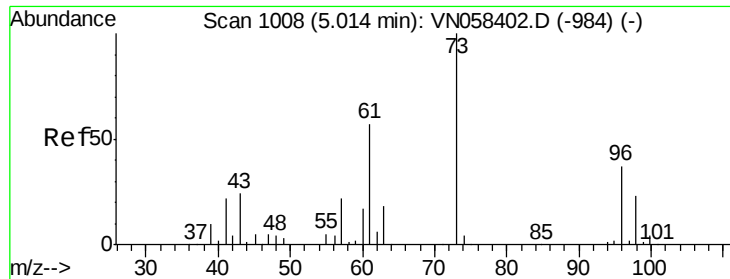
MMDadoda
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#20
Methylene Chloride
Concen: 49.600 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion: 84 Resp: 235447
Ion Ratio Lower Upper
84 100
49 133.5 107.9 161.9
51 41.5 32.8 49.2
86 64.0 51.5 77.3





#21

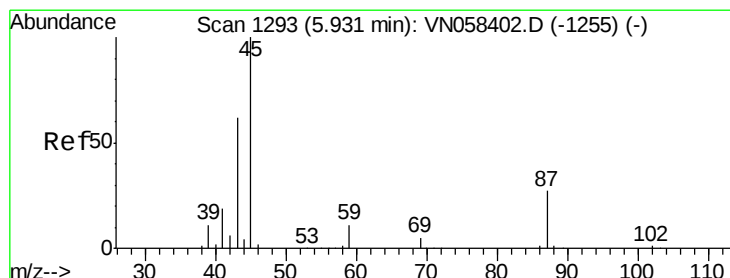
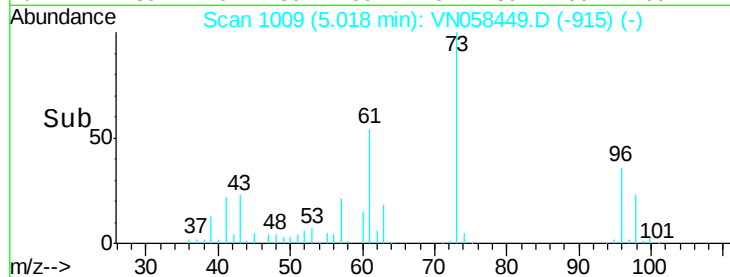
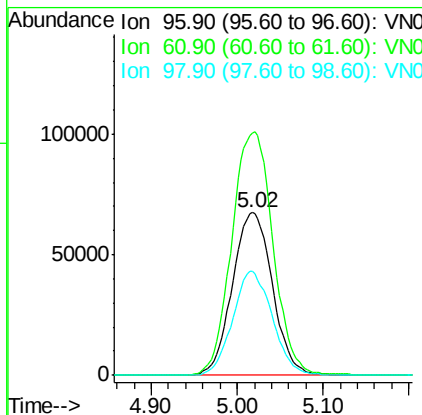
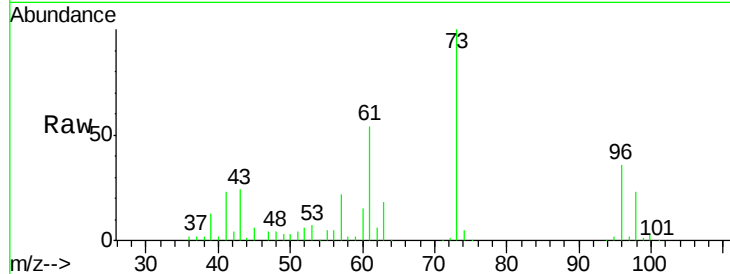
trans-1,2-Dichloroethene
Concen: 50.417 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.9	121.9	182.9
98	64.3	49.3	73.9

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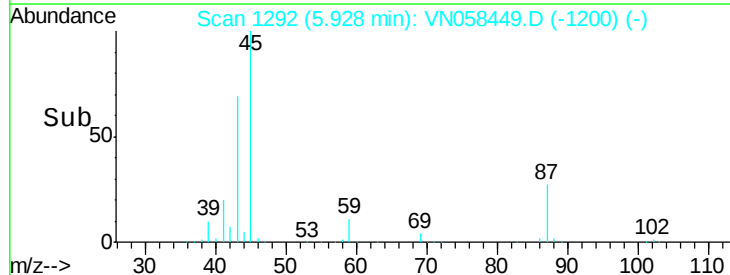
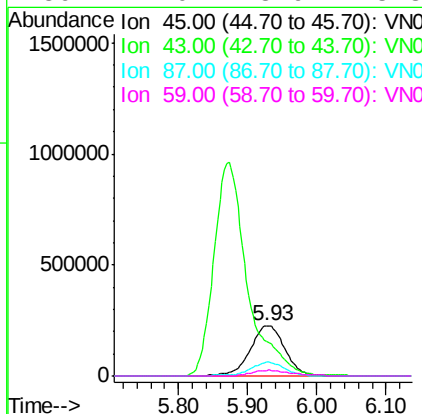
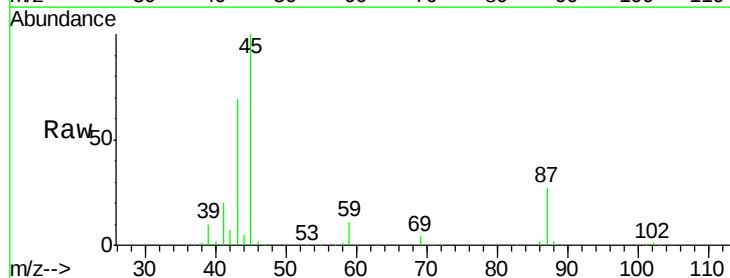
MMDadoda
10/2/2019 9:22:35 AM

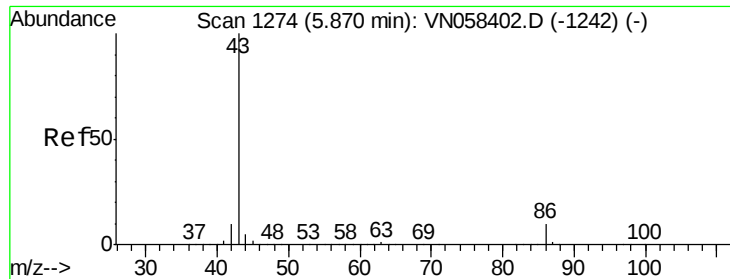


#22

Diisopropyl ether
Concen: 51.814 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	49.7	74.5
87	26.6	21.5	32.3
59	11.0	8.9	13.3





#23

Vinyl Acetate

Concen: 281.635 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3239367

Ion Ratio Lower Upper

43 100

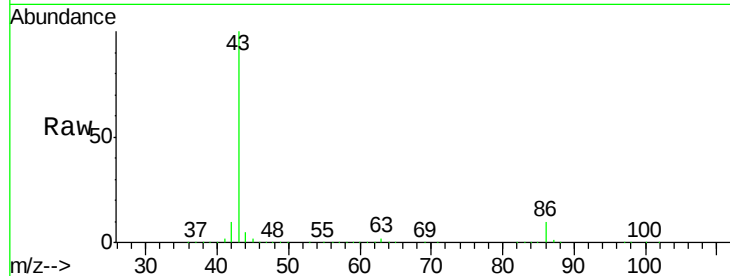
86 9.5 7.7 11.5

Manual Integrations

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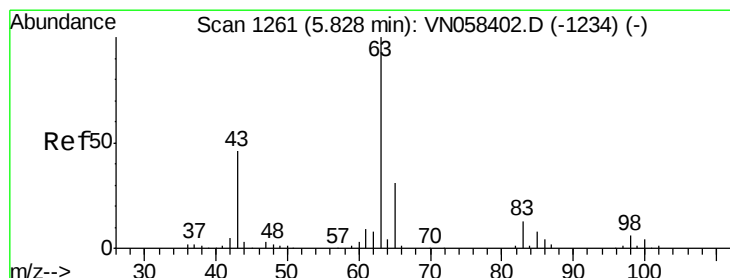
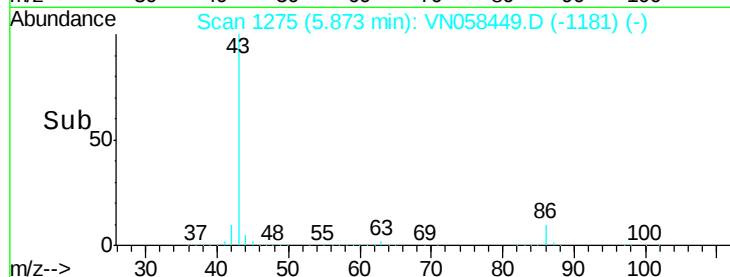
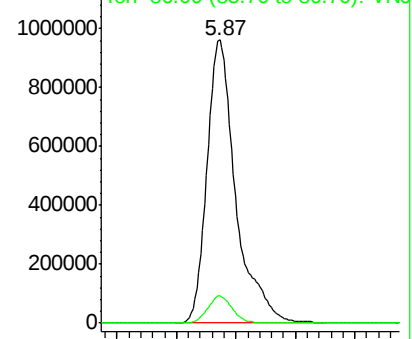
MMDadoda

10/2/2019 9:22:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.909 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

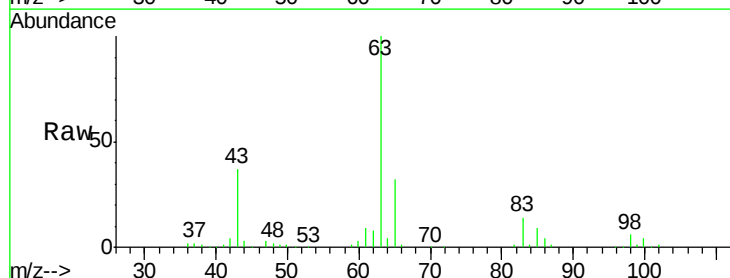
Tgt Ion: 63 Resp: 445642

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

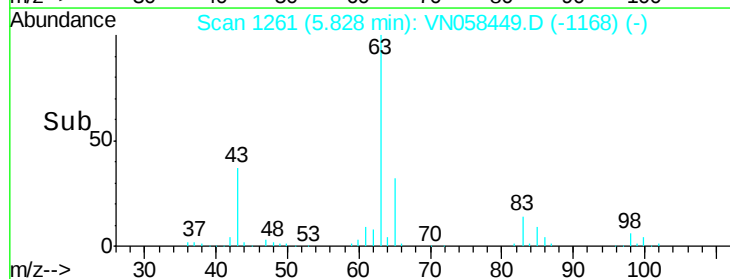
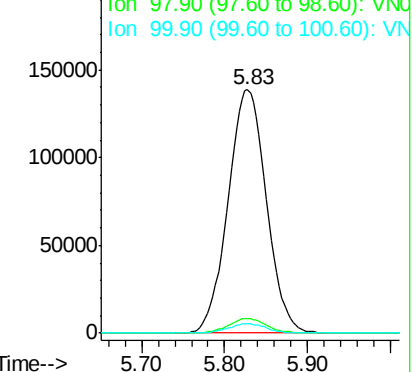
100 3.9 2.0 5.8

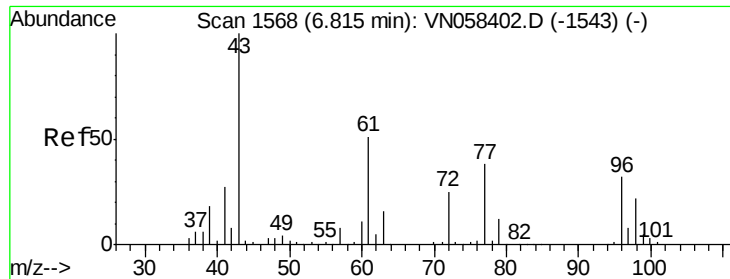


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 259.104 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 731751

Ion Ratio Lower Upper

43 100

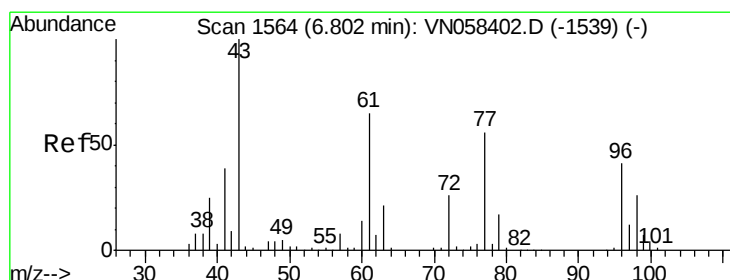
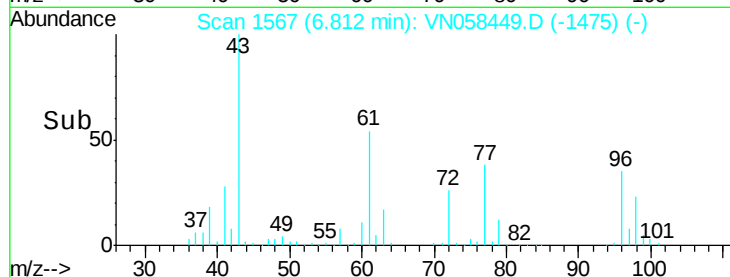
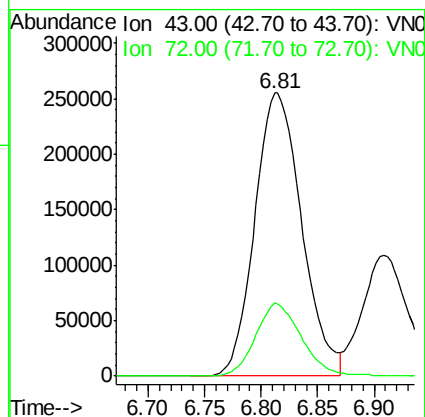
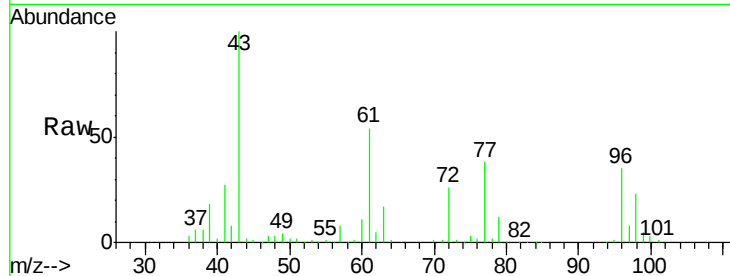
72 25.8 20.2 30.4

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#26

2,2-Dichloropropane

Concen: 46.602 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058449.D

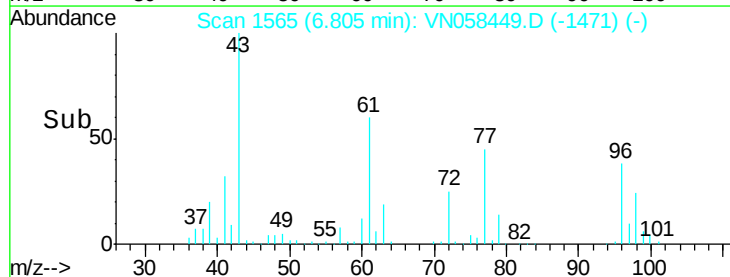
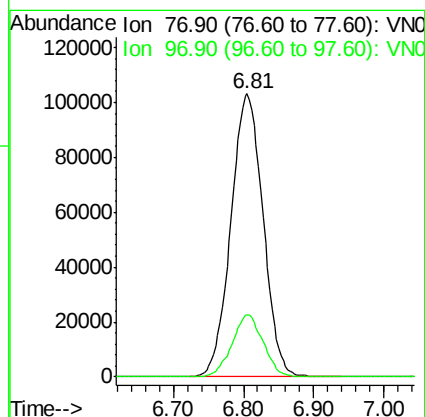
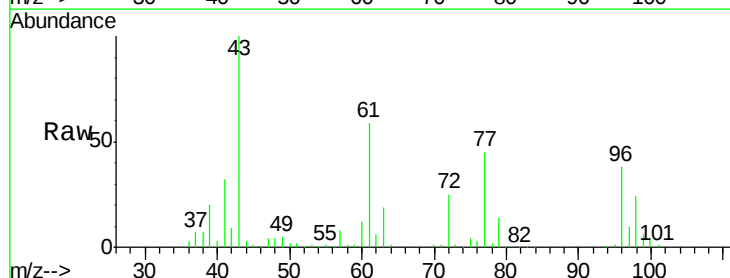
Acq: 30 Sep 2019 20:20

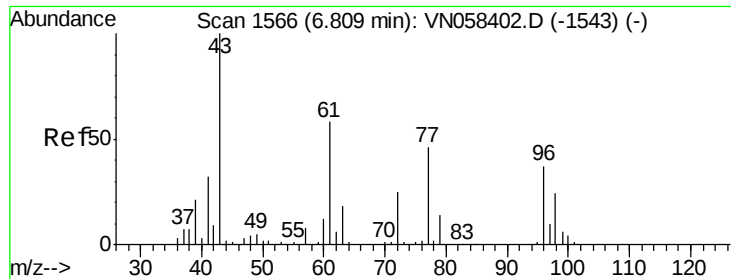
Tgt Ion: 77 Resp: 328912

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 51.463 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

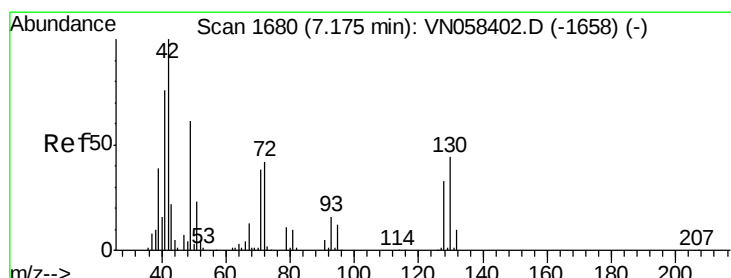
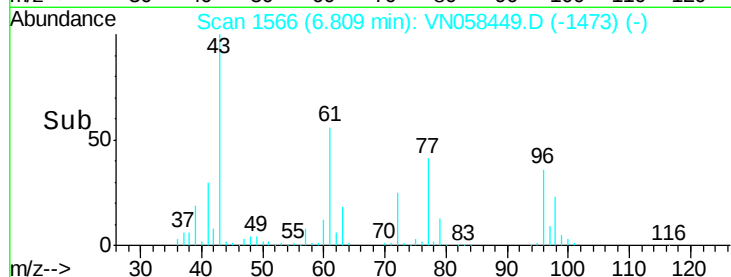
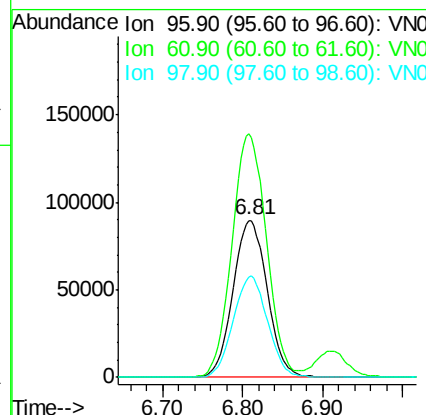
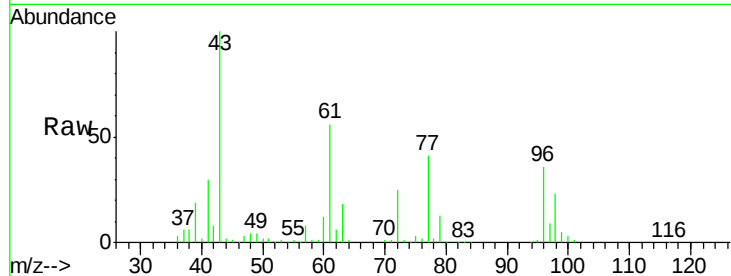
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	260538
Ion Ratio	Lower	Upper	
96	100		
61	156.3	0.0	318.8
98	64.8	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 52.862 ug/l

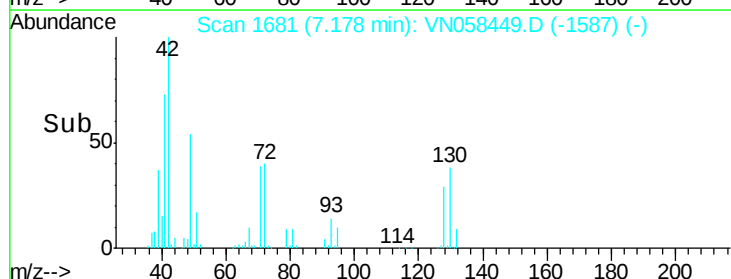
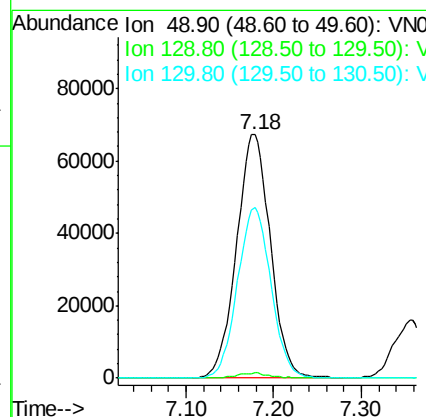
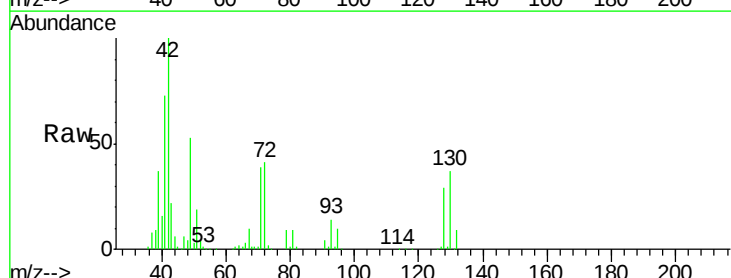
RT: 7.18 min Scan# 1681

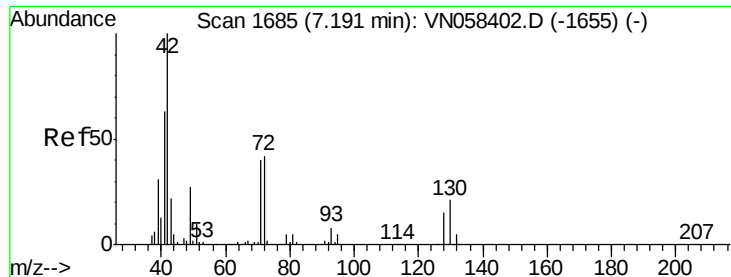
Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Tgt Ion:	49	Resp:	181406
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.4
130	69.0	56.3	84.5





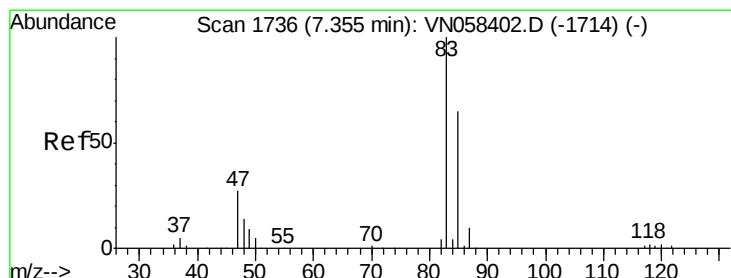
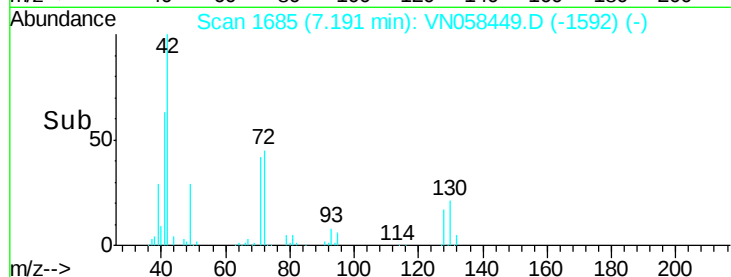
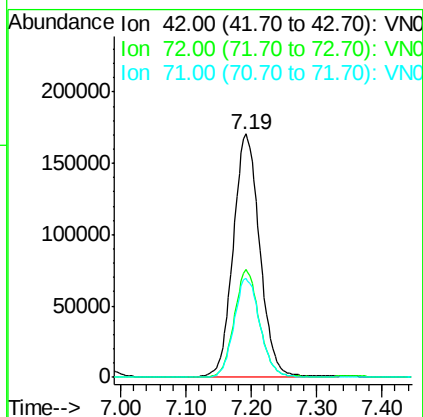
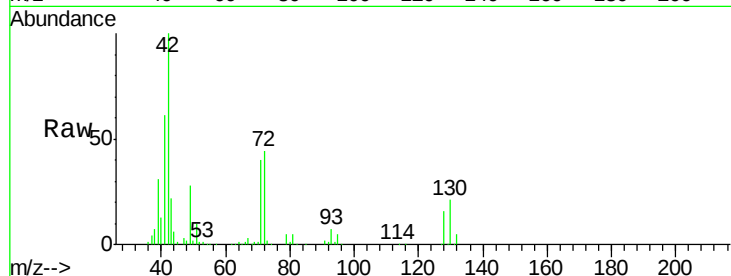
#29
Tetrahydrofuran
Concen: 268.515 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	39.8	31.8	47.6

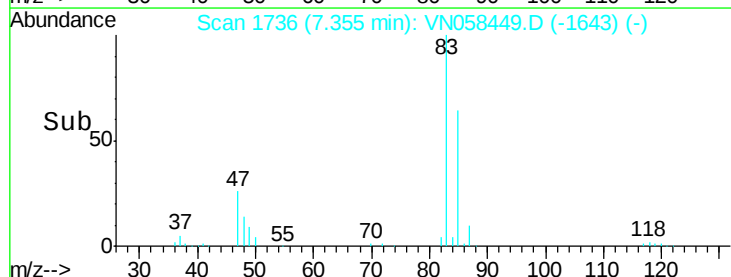
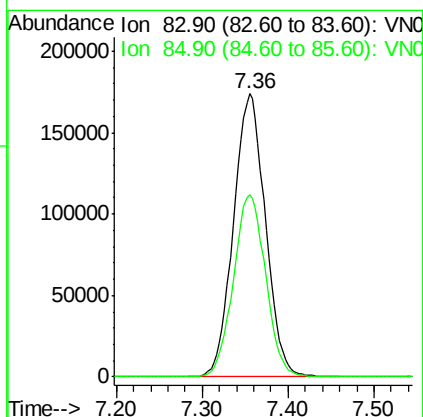
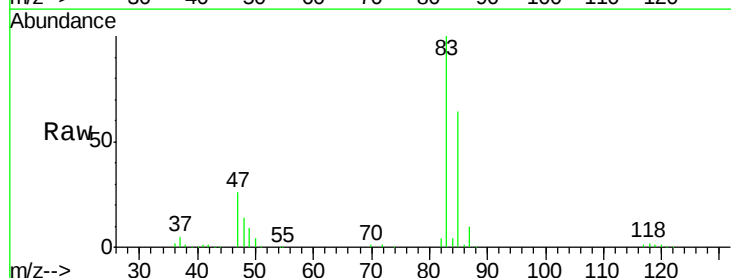
Manual Integrations
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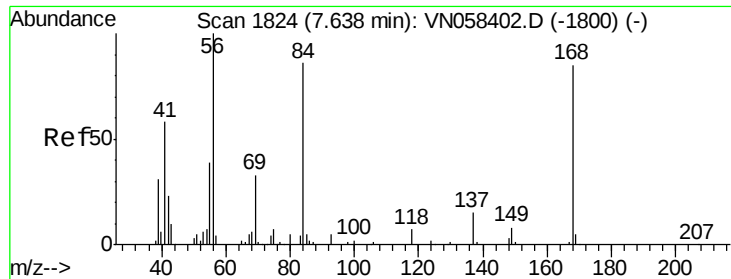
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#30
Chloroform
Concen: 51.437 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.0	78.0





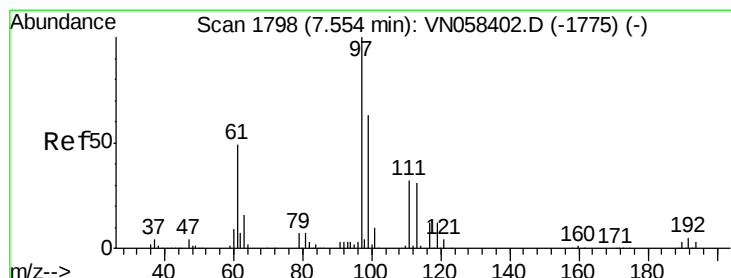
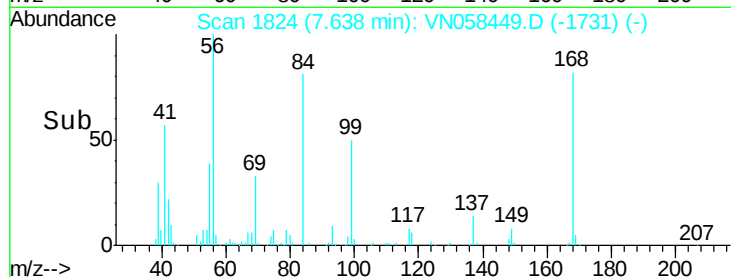
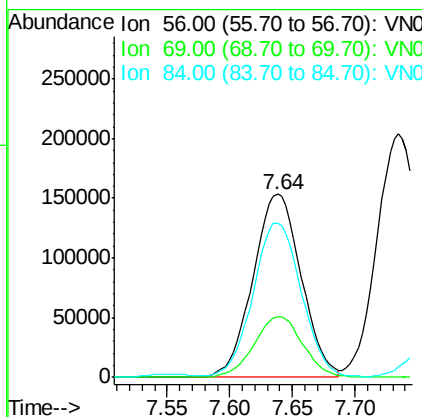
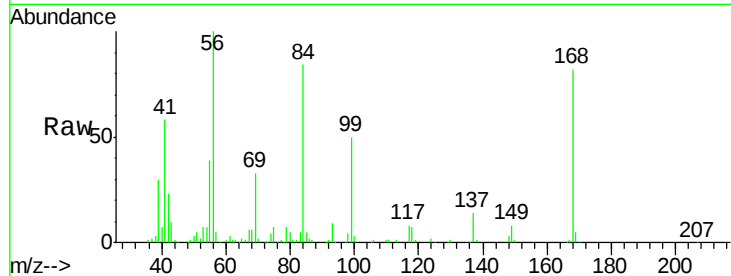
#31
Cyclohexane
Concen: 49.130 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.2	39.4
84	83.1	67.6	101.4

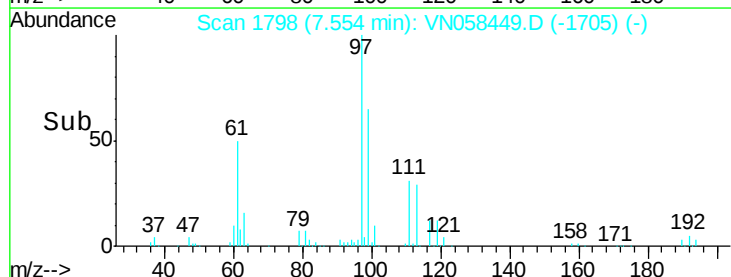
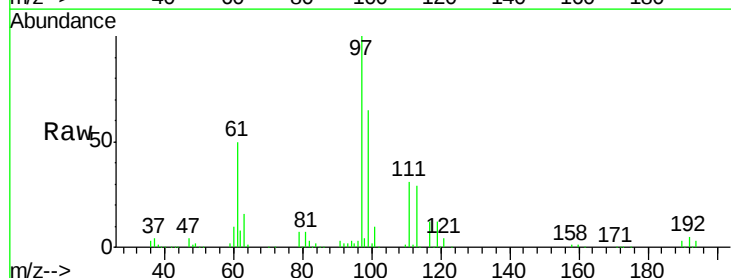
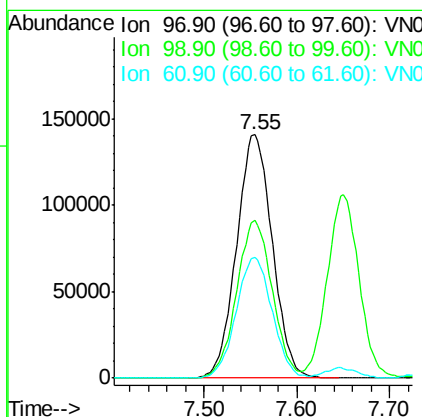
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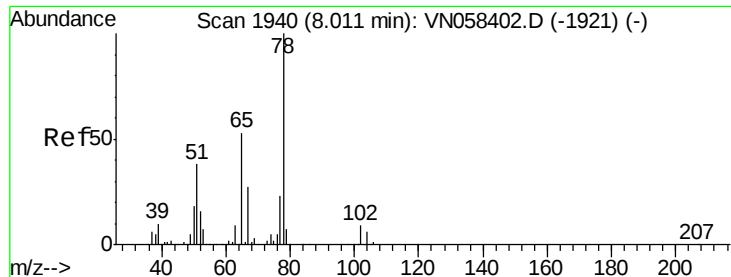
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#32
1,1,1-Trichloroethane
Concen: 52.735 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	49.9	39.2	58.8





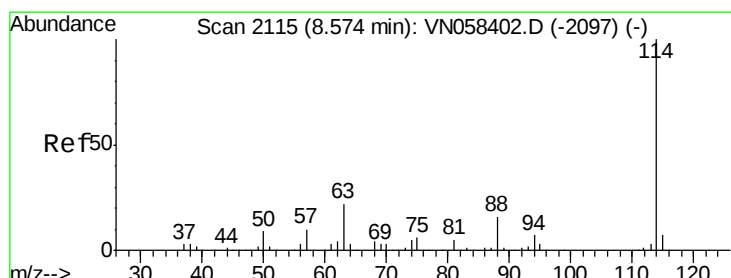
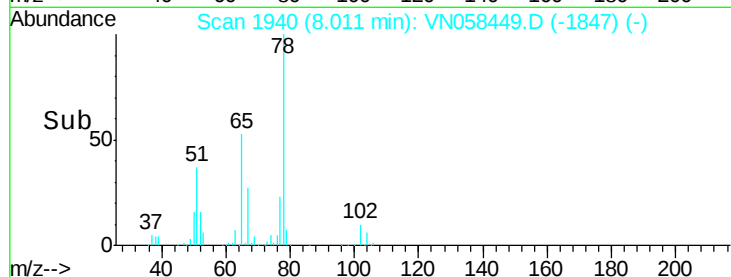
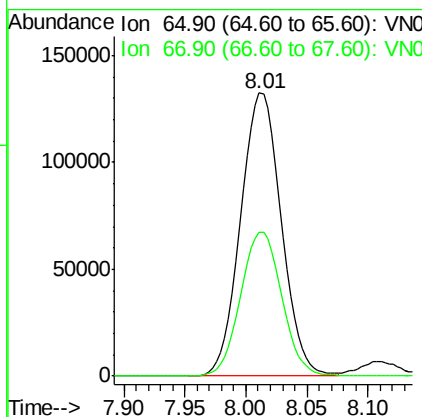
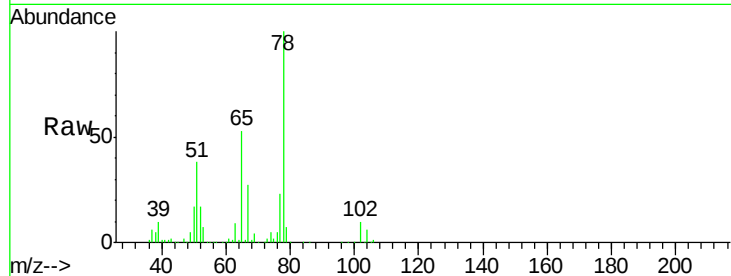
#33
 1,2-Dichloroethane-d4
 Concen: 50.772 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	306366		
67	51.6	0.0	102.4	

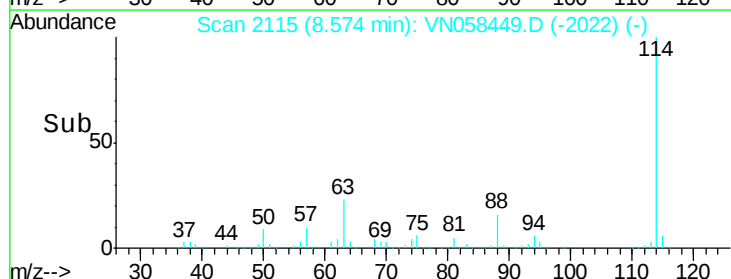
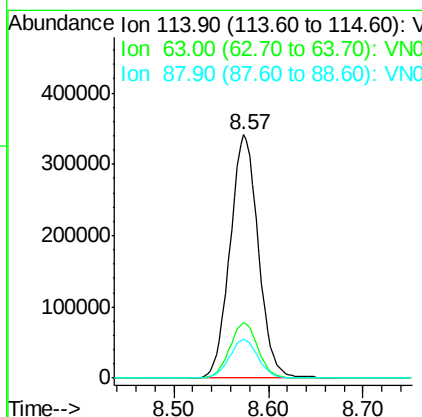
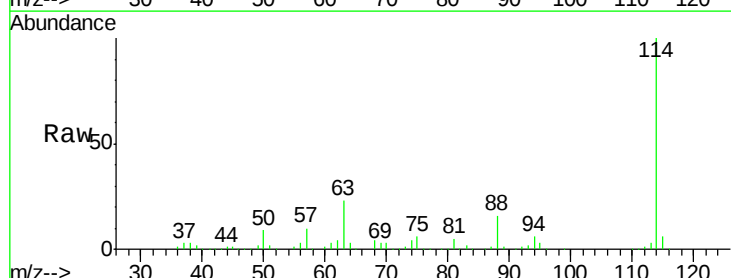
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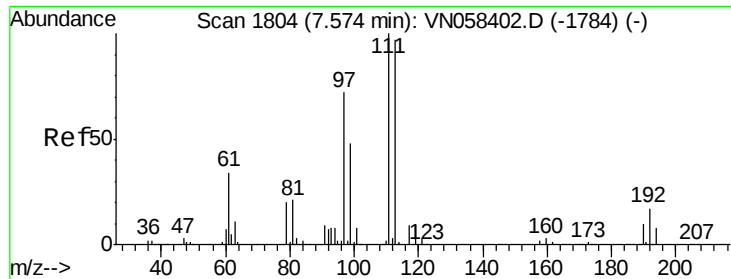
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 10/2/2019 9:22:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	708808		
63	22.7	0.0	45.0	
88	15.9	0.0	32.2	





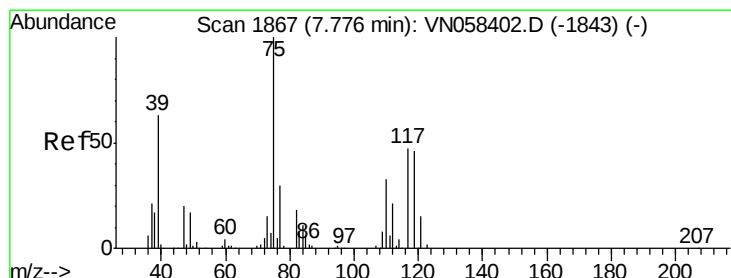
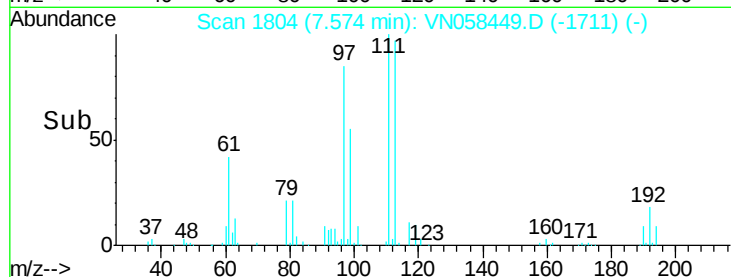
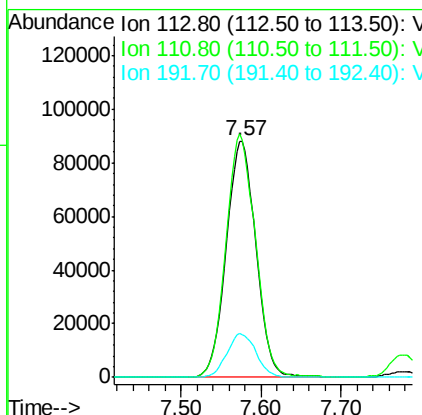
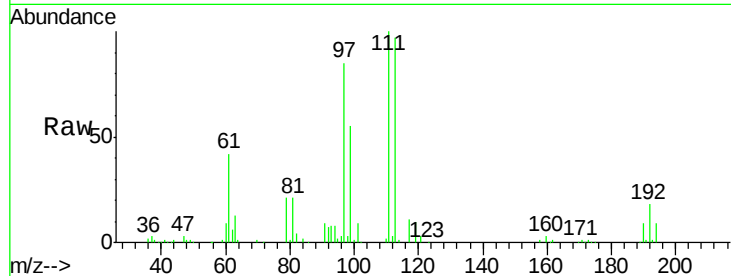
#35
 Dibromofluoromethane
 Concen: 51.138 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222154		
111	101.9	83.4	125.2	
192	18.3	14.9	22.3	

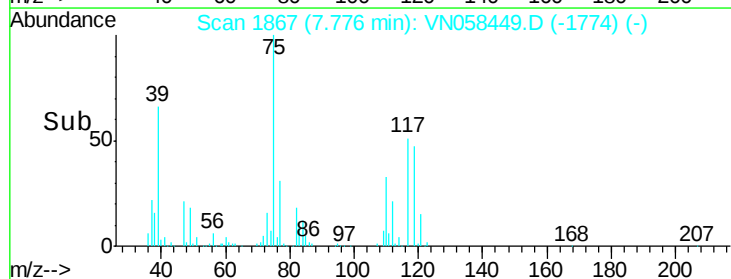
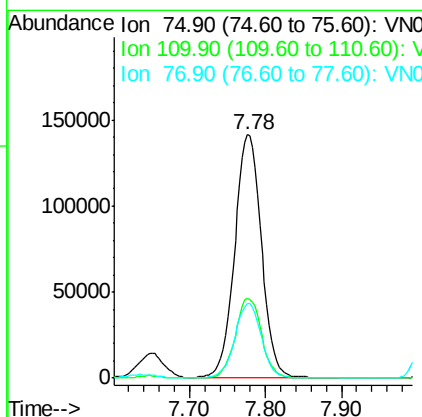
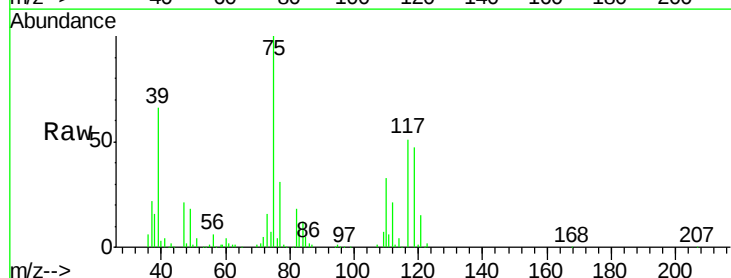
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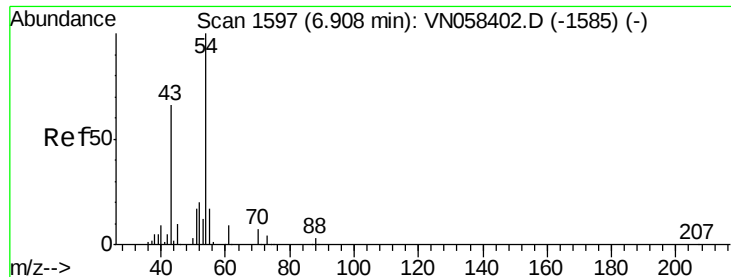
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 10/2/2019 9:22:35 AM



#36
 1,1-Dichloropropene
 Concen: 50.805 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	344337		
110	32.5	16.4	49.2	
77	30.7	24.3	36.5	





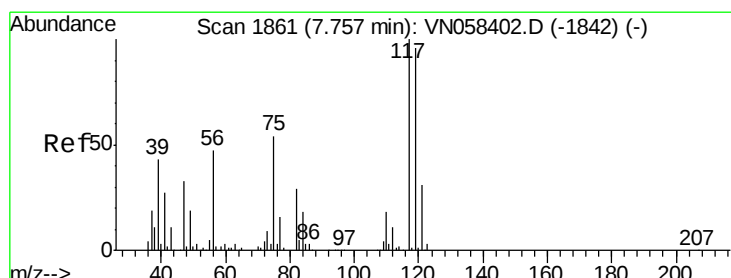
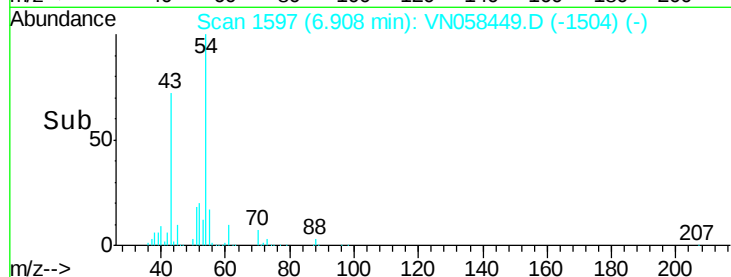
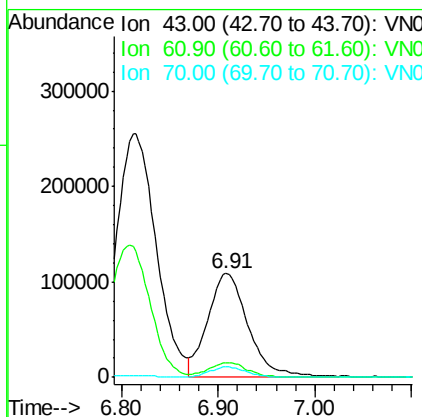
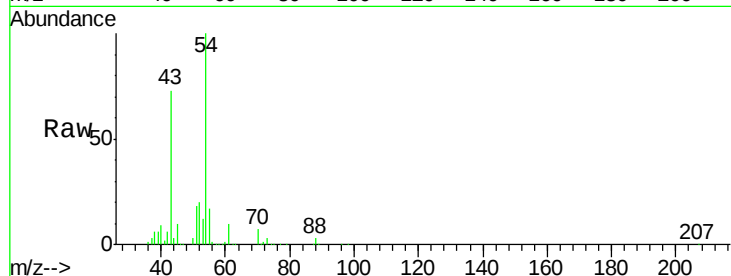
#37
Ethyl Acetate
Concen: 53.963 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.2	7.8	11.6

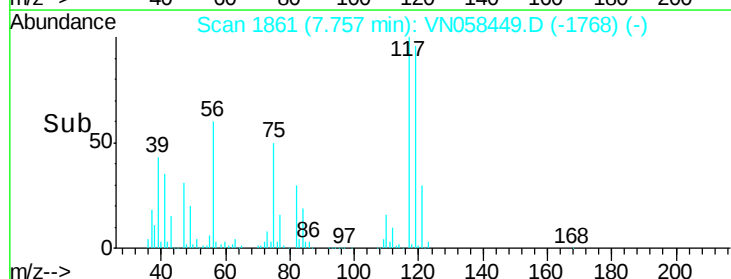
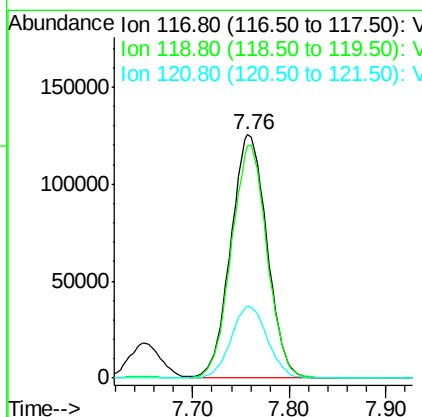
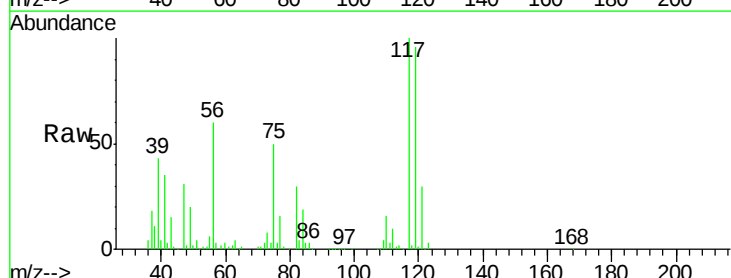
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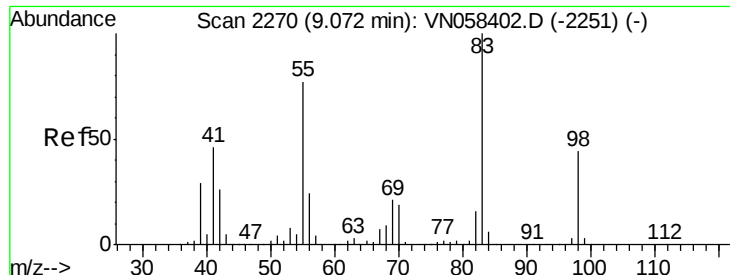
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10/2/2019 9:22:35 AM



#38
Carbon Tetrachloride
Concen: 53.153 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	29.6	24.7	37.1





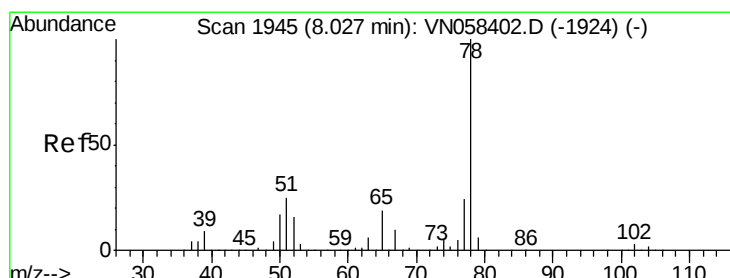
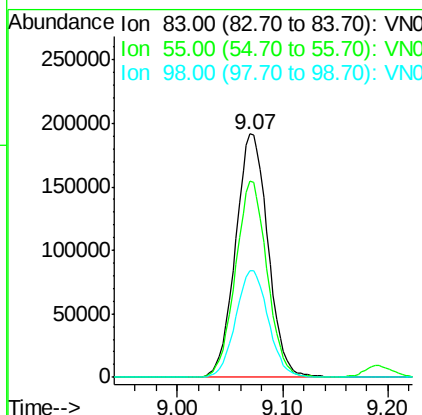
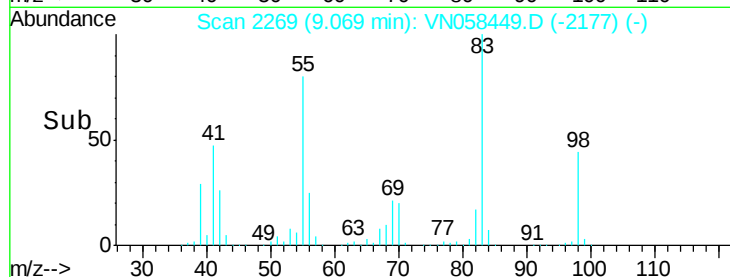
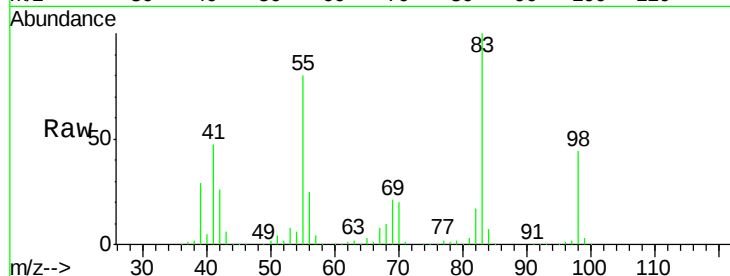
#39
Methvlcvclohexane
Concen: 51.717 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	61.8	92.6
98	43.7	35.4	53.0

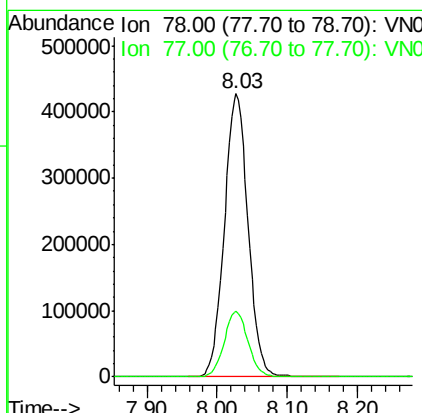
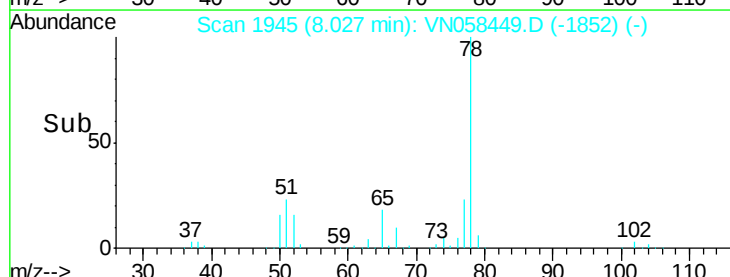
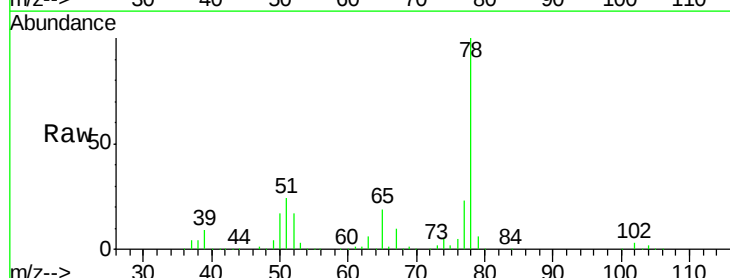
Manual Integrations
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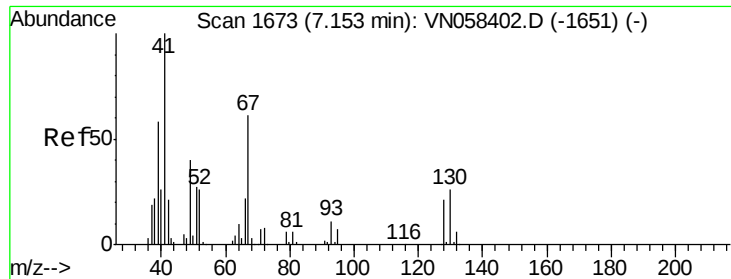
MMDadoda
10/2/2019 9:22:35 AM



#40
Benzene
Concen: 51.425 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





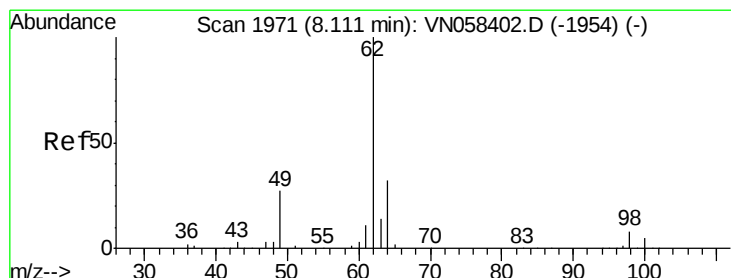
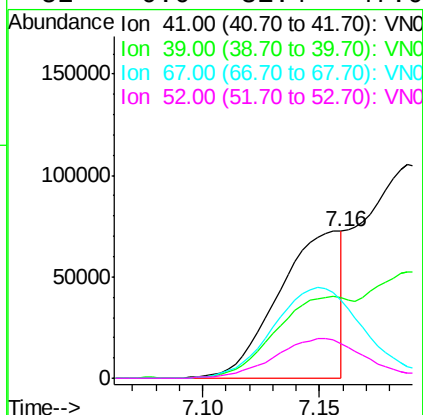
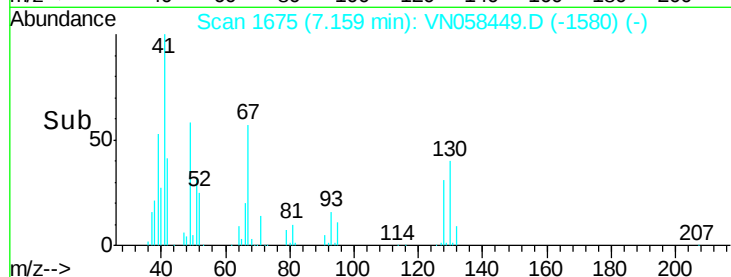
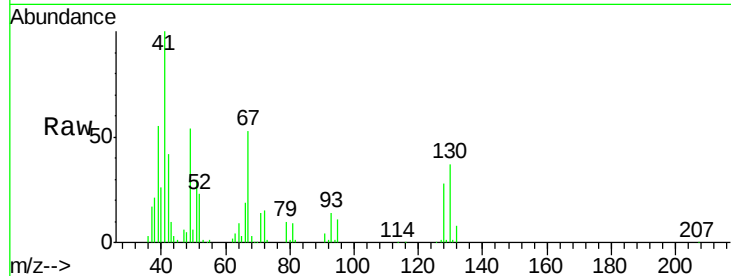
#41
Methacrylonitrile
Concen: 51.233 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

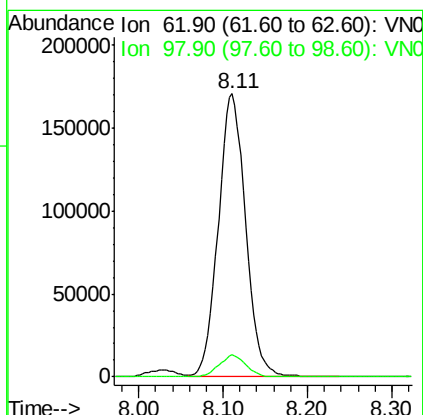
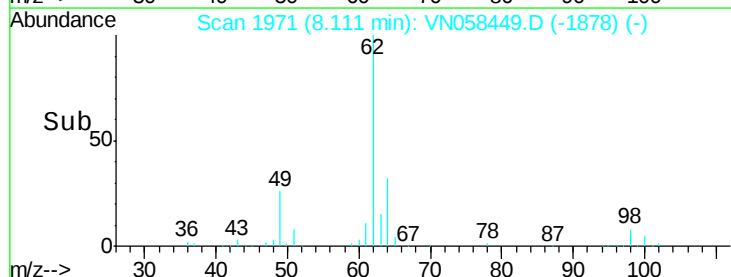
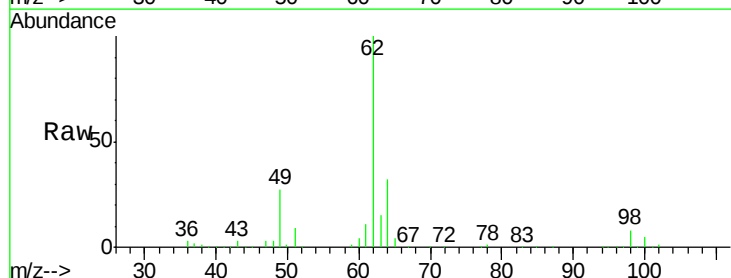
Manual Integrations
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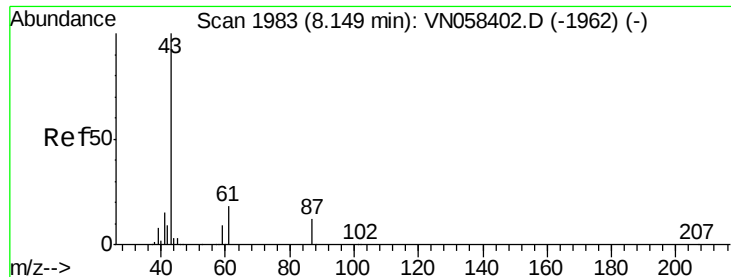
MMDadoda
10/2/2019 9:22:35 AM



#42
1,2-Dichloroethane
Concen: 50.542 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6





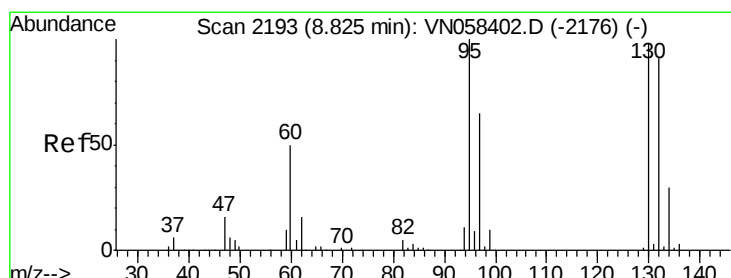
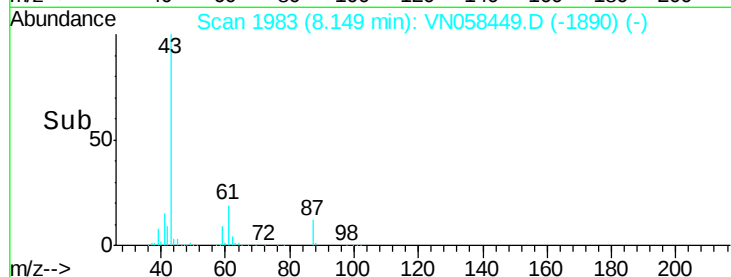
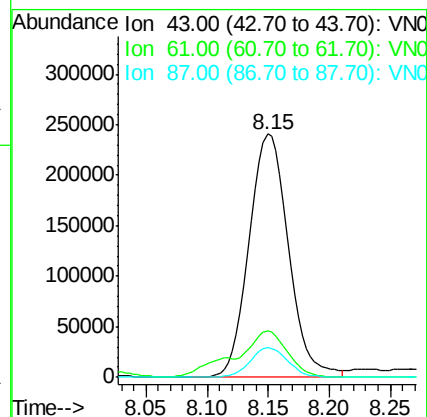
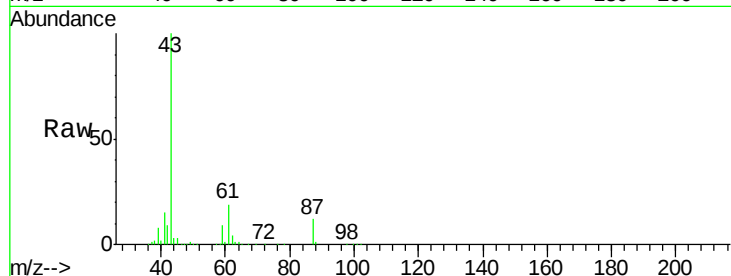
#43
Isopropyl Acetate
Concen: 49.600 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.8	22.2
87	11.8	9.7	14.5

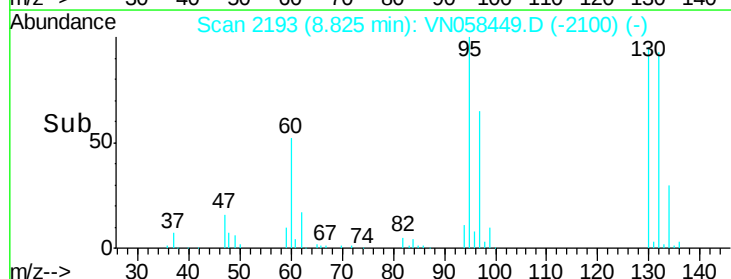
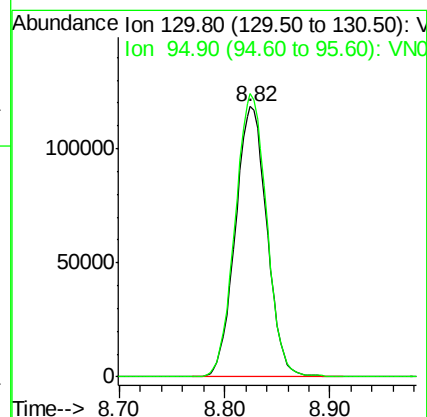
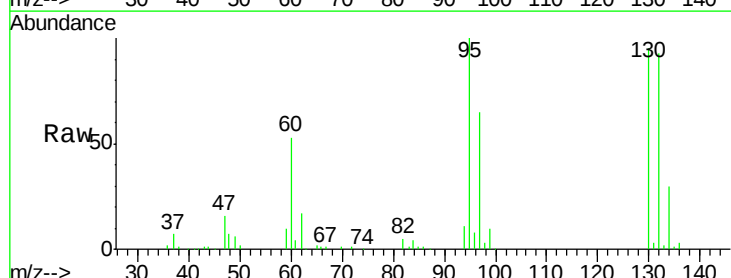
Manual Integrations
APPROVED

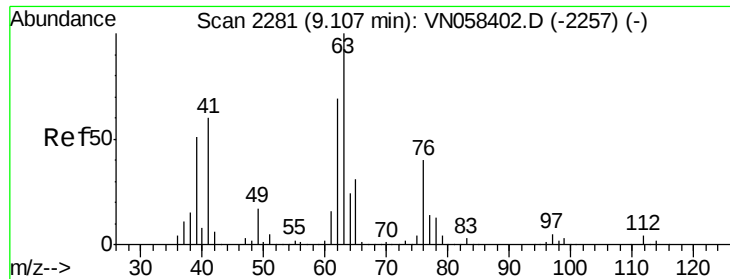
MMDadoda
10/2/2019 9:22:35 AM



#44
Trichloroethene
Concen: 51.069 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	204.2





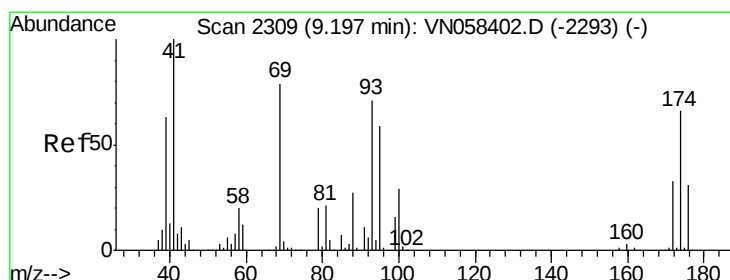
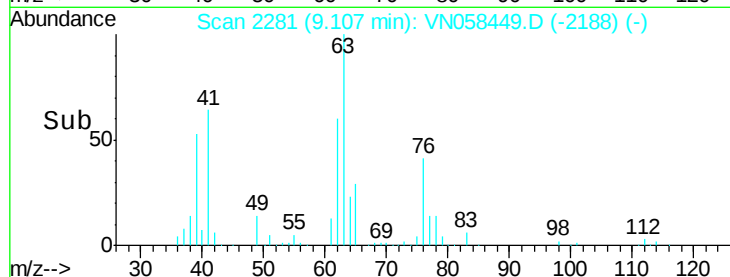
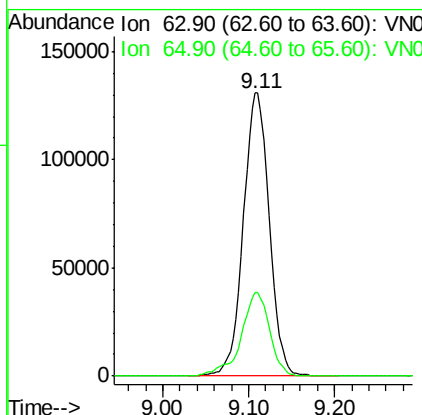
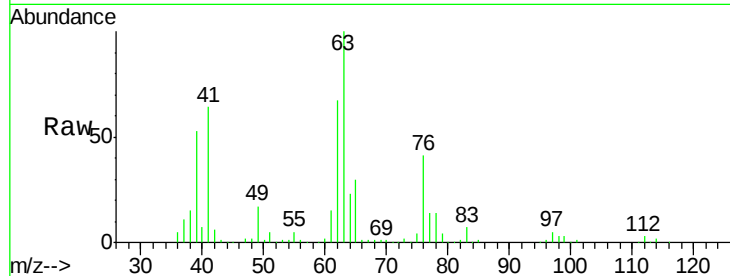
#45
 1,2-Dichloropropane
 Concen: 52.583 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	25.0	37.4

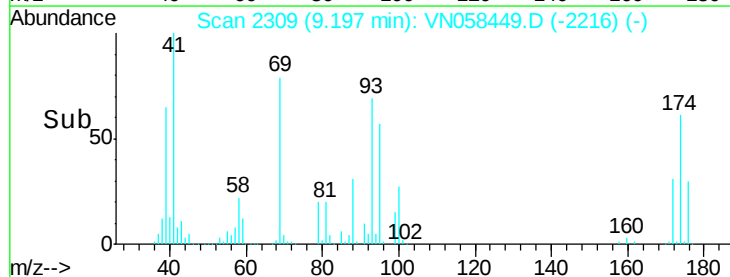
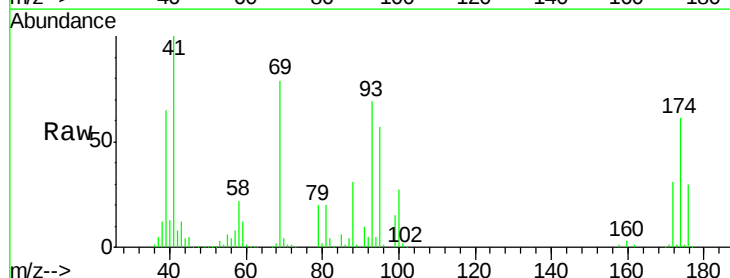
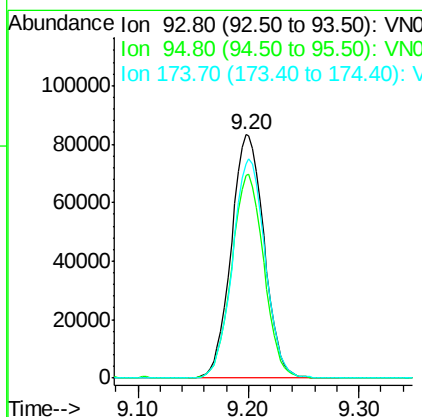
Manual Integrations
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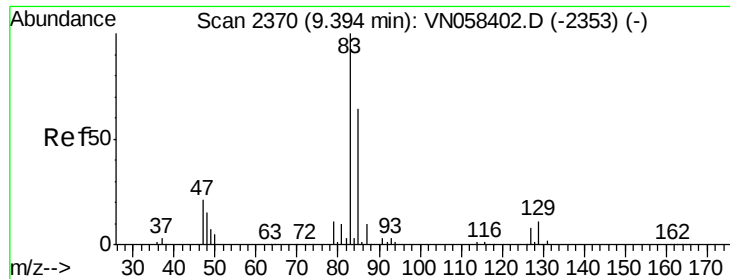
MMDadoda
 10/2/2019 9:22:35 AM



#46
 Dibromomethane
 Concen: 51.979 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.0	67.0	100.4
174	89.2	74.2	111.2





#47

Bromodichloromethane

Concen: 55.015 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 344906

Ion Ratio Lower Upper

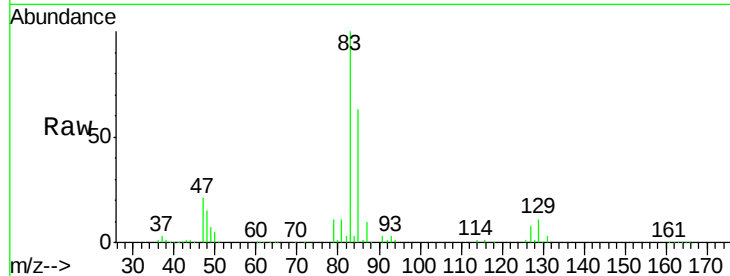
83 100

85 63.3 51.2 76.8

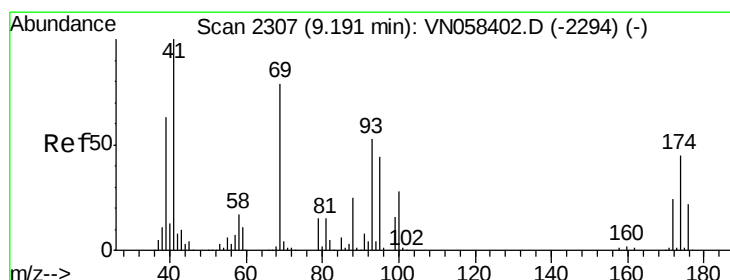
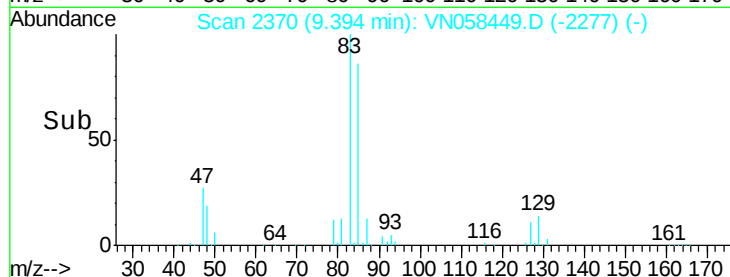
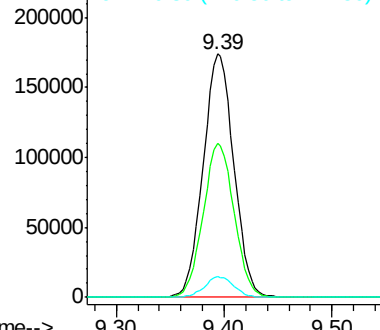
127 8.4 6.3 9.5

Manual Integrations
APPROVED

MMDadoda
10/2/2019 9:22:35 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 52.747 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

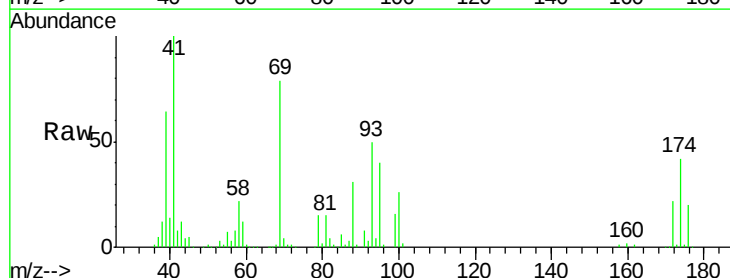
Tgt Ion: 41 Resp: 259533

Ion Ratio Lower Upper

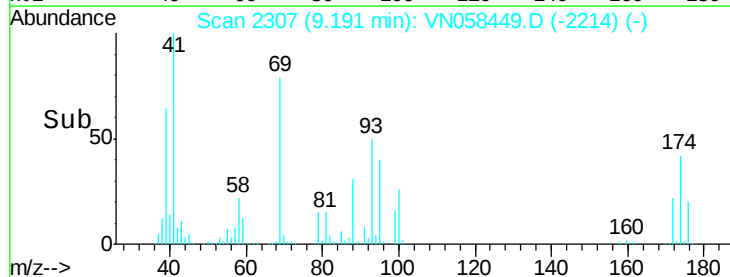
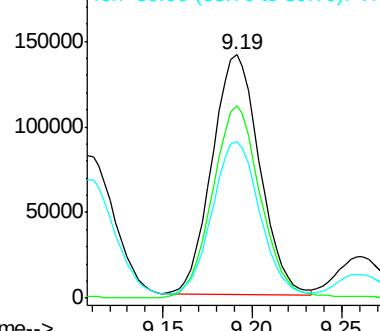
41 100

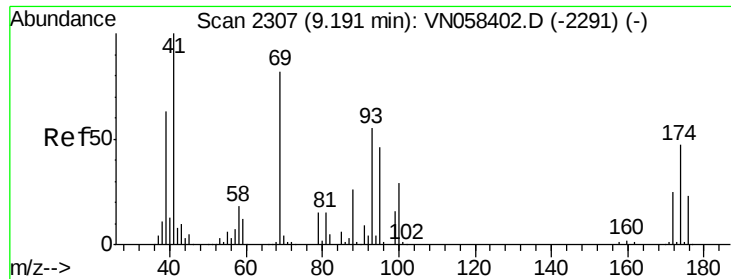
69 81.3 64.7 97.1

39 66.8 52.9 79.3



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





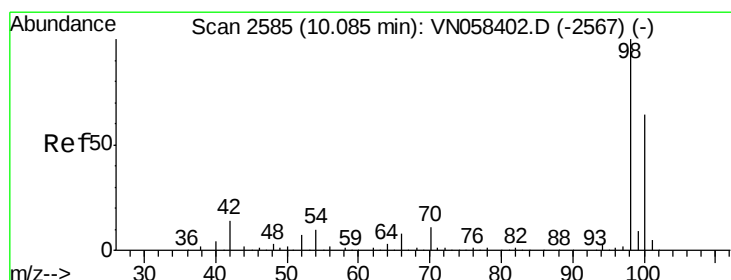
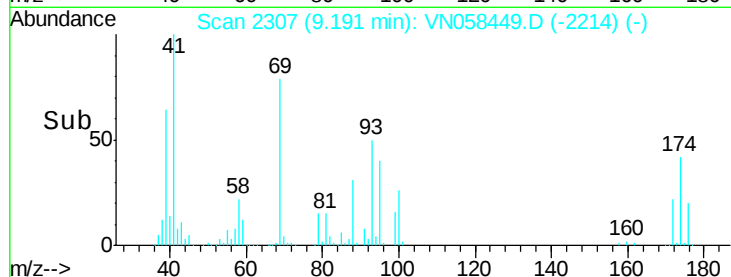
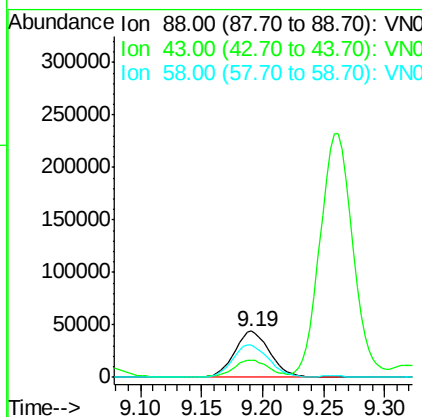
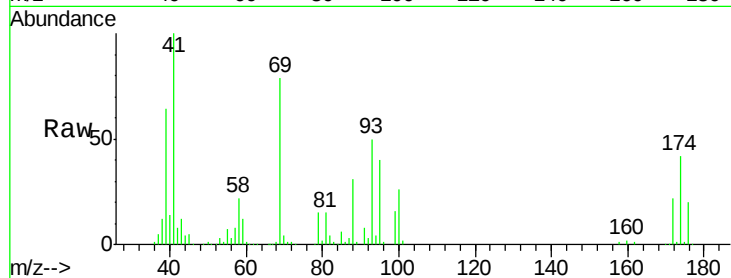
#49
1,4-Dioxane
Concen: 1342.269 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	88309
Ion	Ratio	Lower	Upper
88	100		
43	34.9	31.1	46.7
58	72.3	58.1	87.1

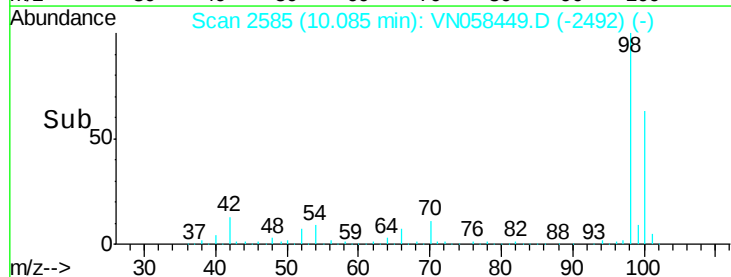
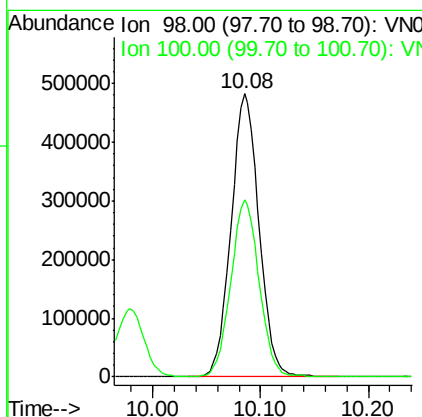
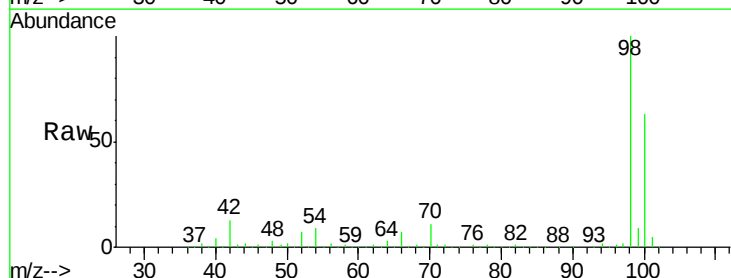
Manual Integrations
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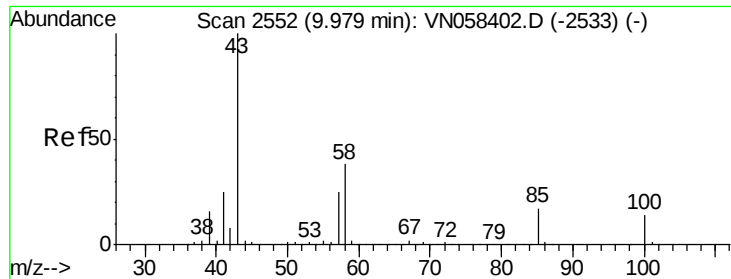
MMDadoda
10/2/2019 9:22:35 AM



#50
Toluene-d8
Concen: 51.213 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	98	Resp	871547
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 284.762 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1580563

Ion Ratio Lower Upper

43 100

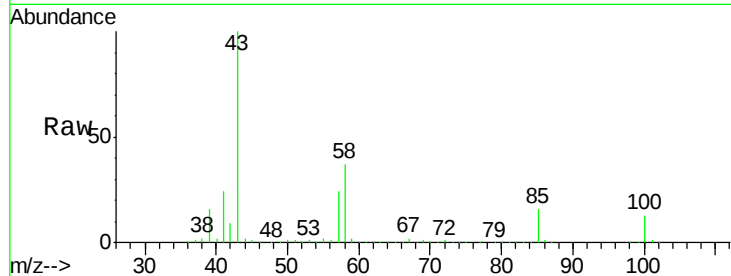
58 37.3 30.2 45.2

Manual Integrations

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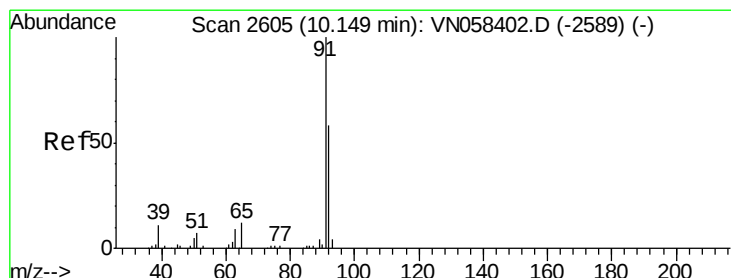
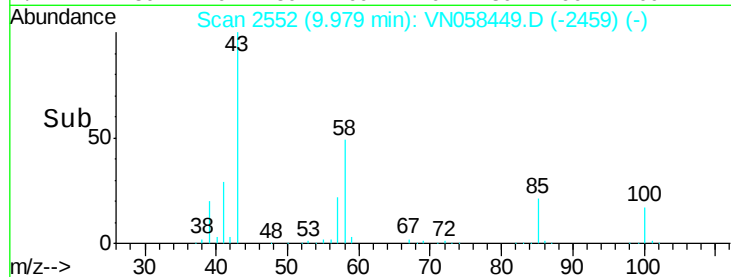
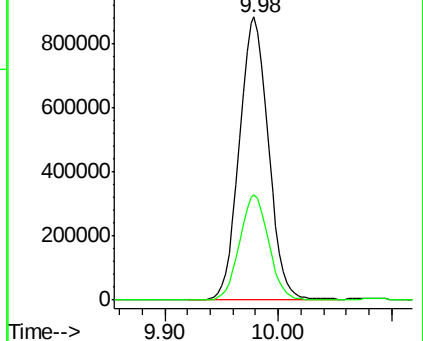
MMDadoda

10/2/2019 9:22:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.063 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058449.D

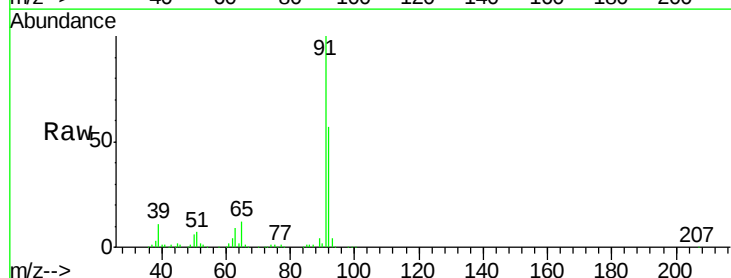
Acq: 30 Sep 2019 20:20

Tgt Ion: 92 Resp: 626157

Ion Ratio Lower Upper

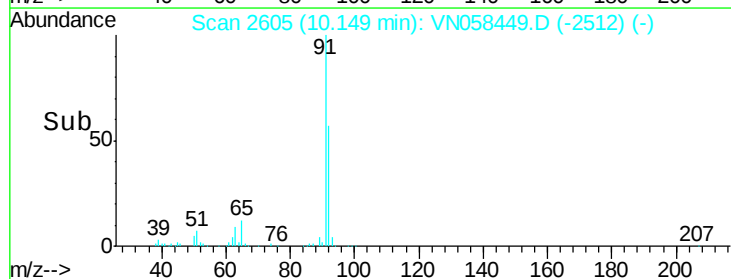
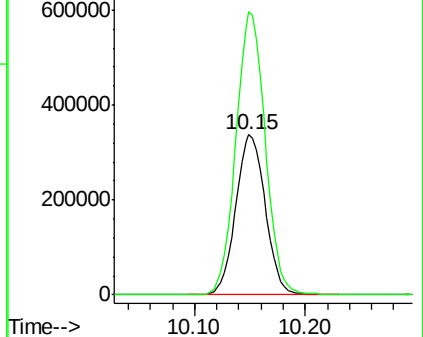
92 100

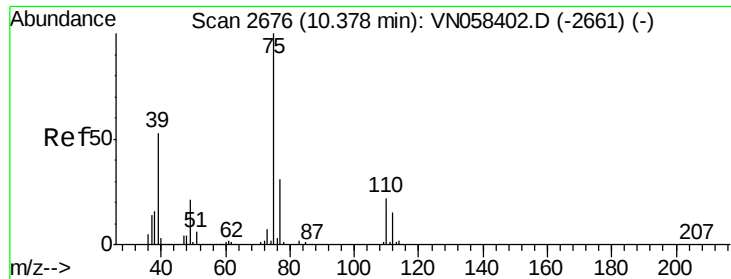
91 175.7 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





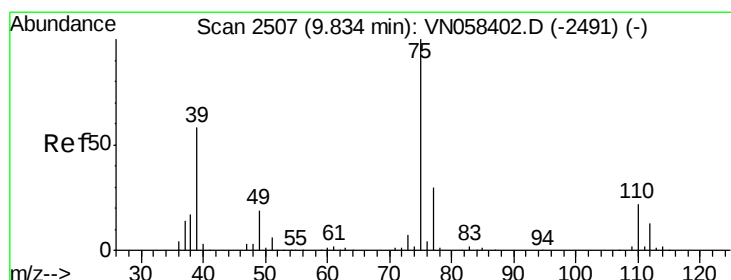
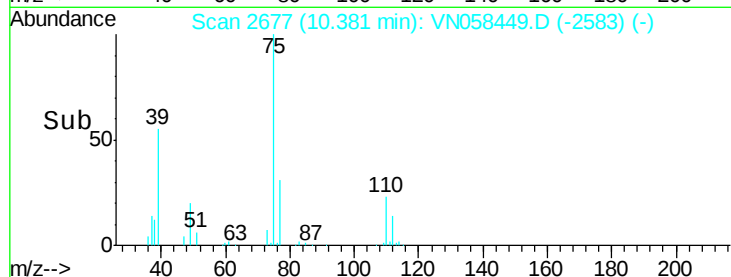
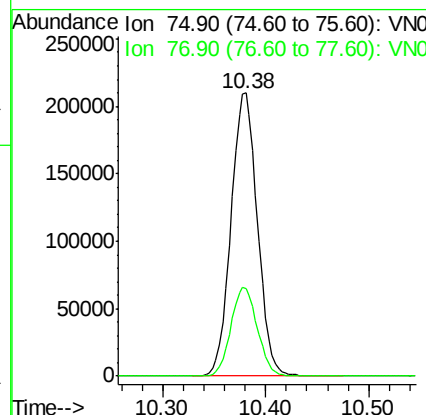
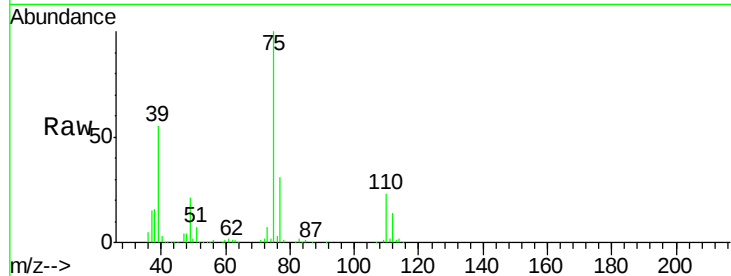
#53
t-1,3-Dichloropropene
Concen: 54.792 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 373880
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8

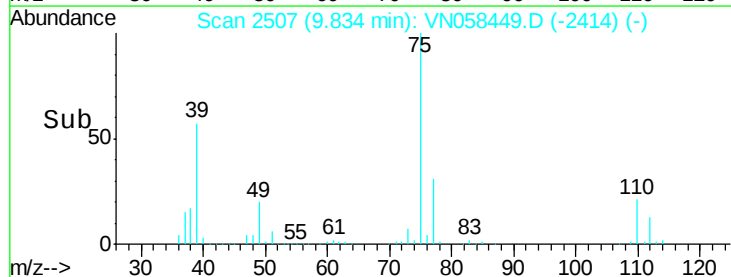
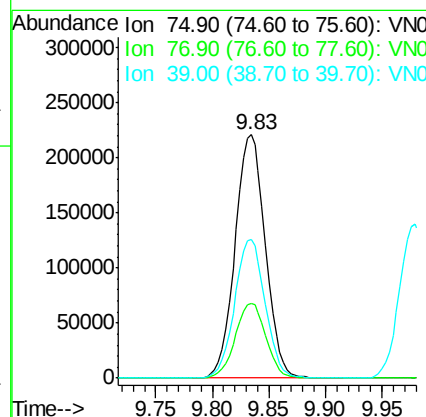
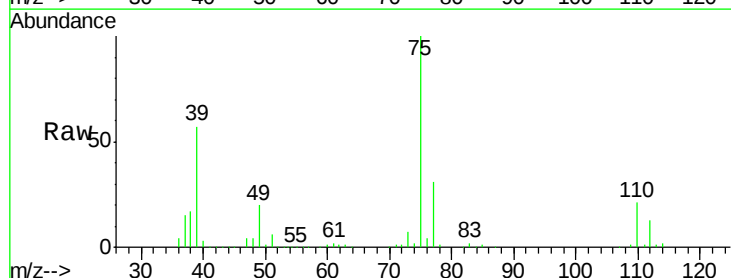
Manual Integrations
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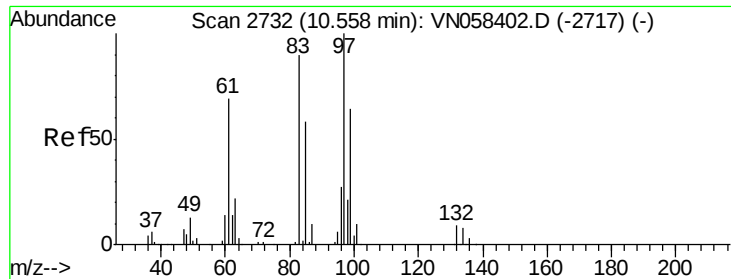
MMDadoda
10/2/2019 9:22:35 AM



#54
cis-1,3-Dichloropropene
Concen: 54.352 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion: 75 Resp: 411693
Ion Ratio Lower Upper
75 100
77 30.9 24.2 36.4
39 57.1 46.4 69.6





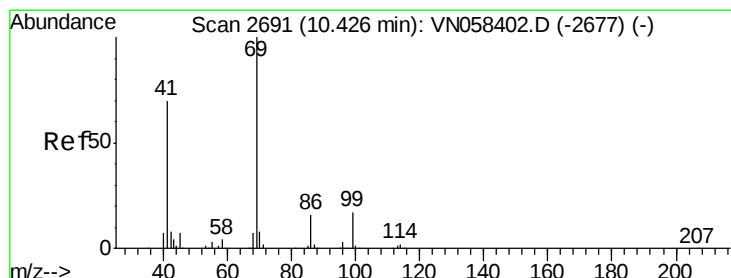
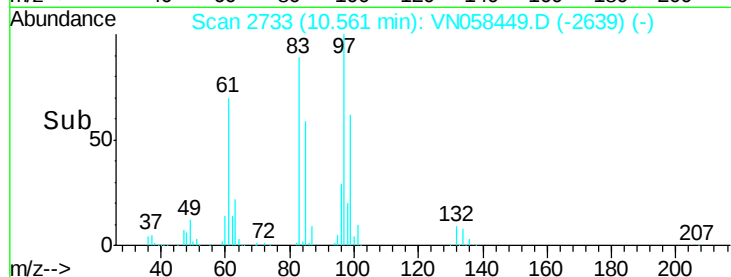
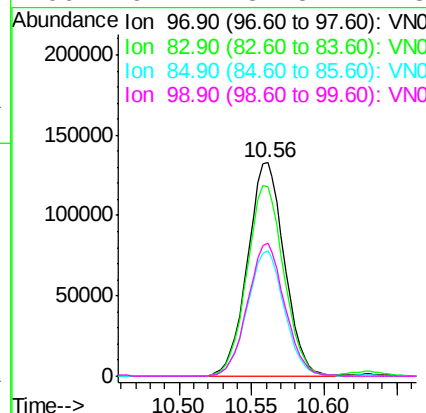
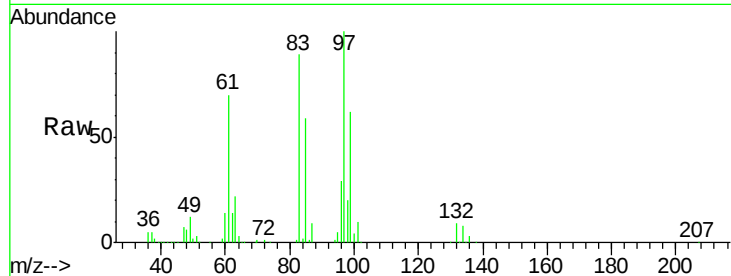
#55
 1,1,2-Trichloroethane
 Concen: 52.707 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	235337
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.8	107.6
85	58.7	46.6	69.8
99	62.1	51.5	77.3

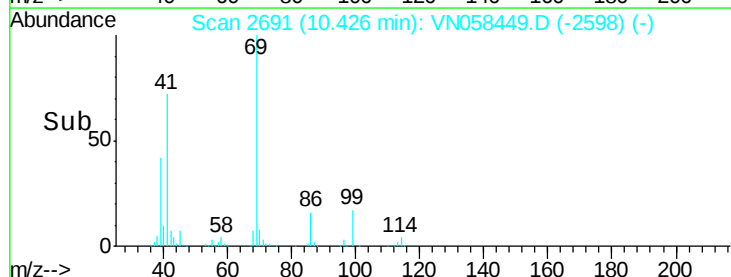
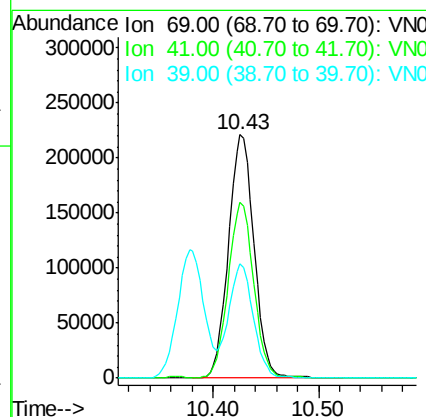
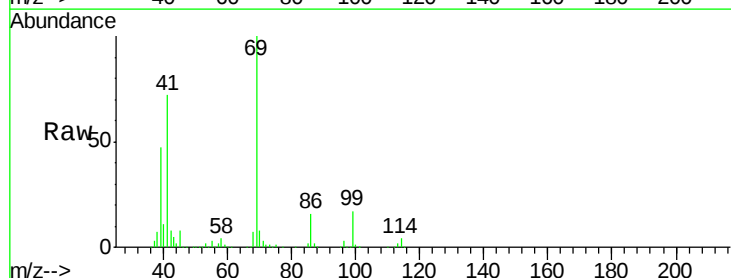
Manual Integrations
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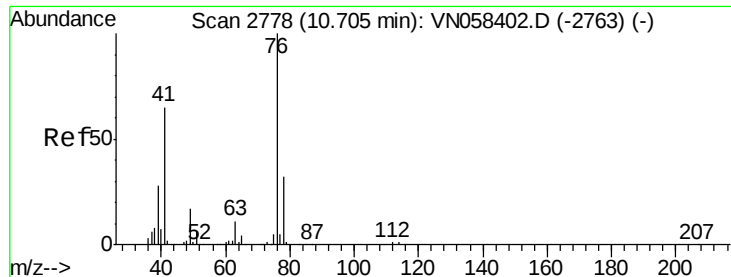
MMDadoda
 10/2/2019 9:22:35 AM



#56
 Ethyl methacrylate
 Concen: 54.769 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion:	69	Resp:	371074
Ion	Ratio	Lower	Upper
69	100		
41	71.2	56.3	84.5
39	44.8	35.8	53.6





#57

1,3-Dichloropropane

Concen: 53.484 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 425962

Ion Ratio Lower Upper

76 100

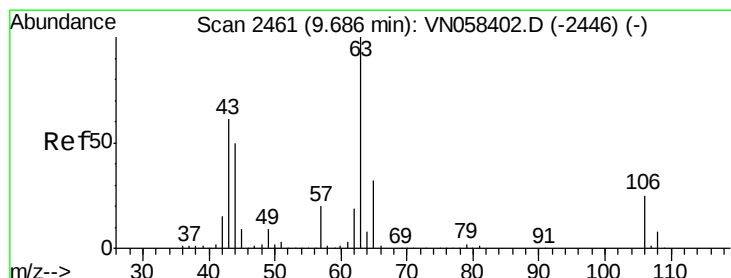
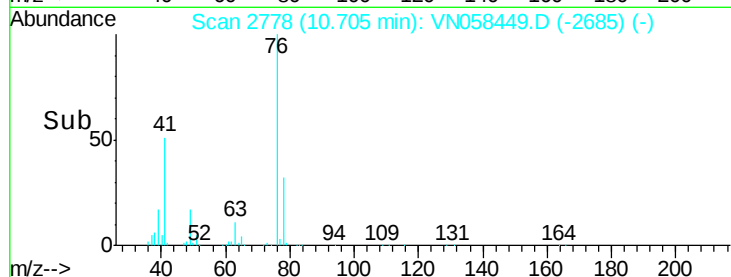
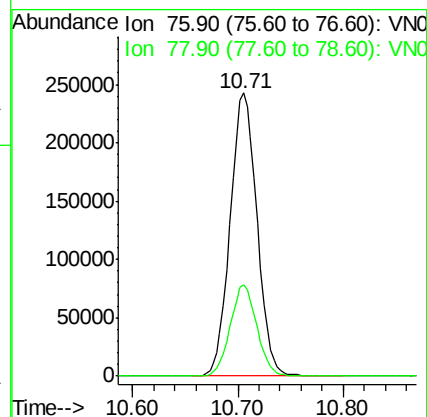
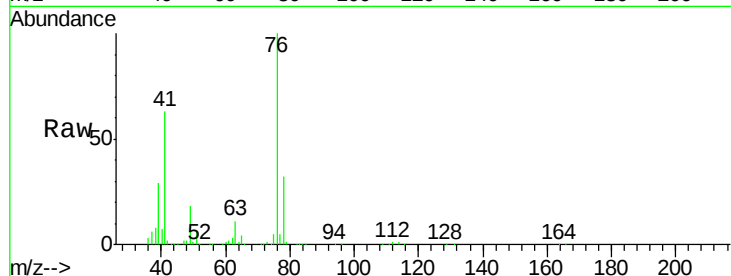
78 32.0 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

10/2/2019 9:22:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 271.788 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058449.D

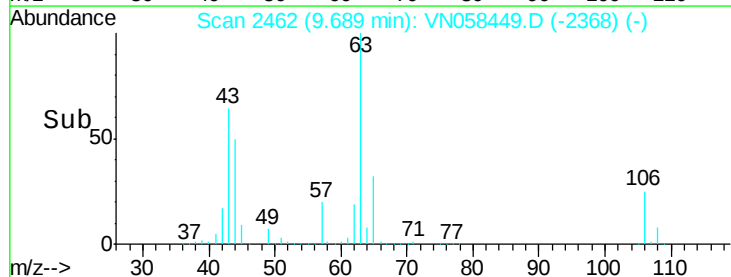
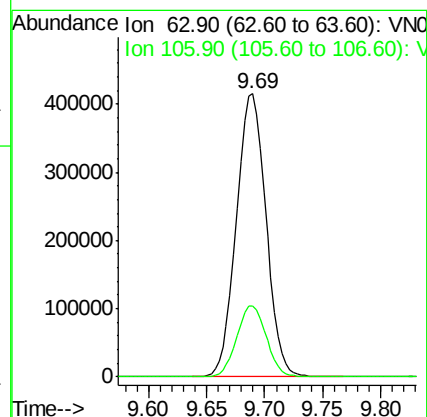
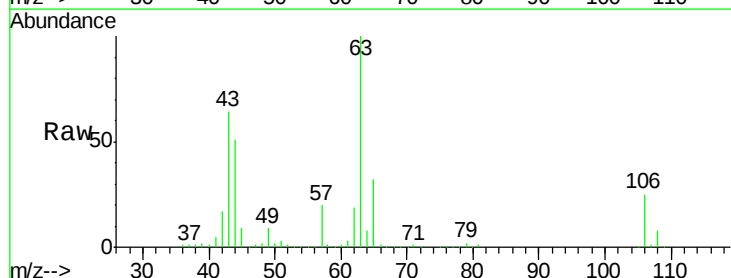
Acq: 30 Sep 2019 20:20

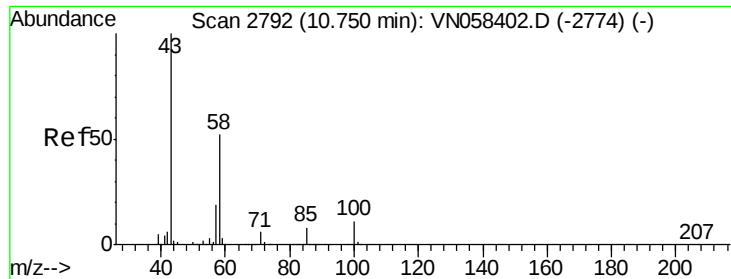
Tgt Ion: 63 Resp: 734259

Ion Ratio Lower Upper

63 100

106 25.1 20.3 30.5





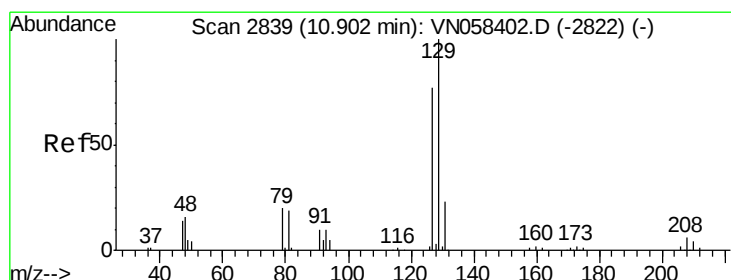
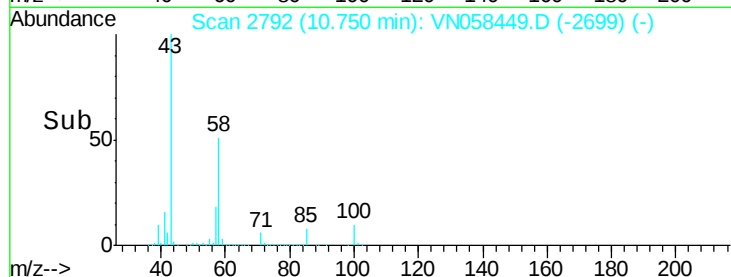
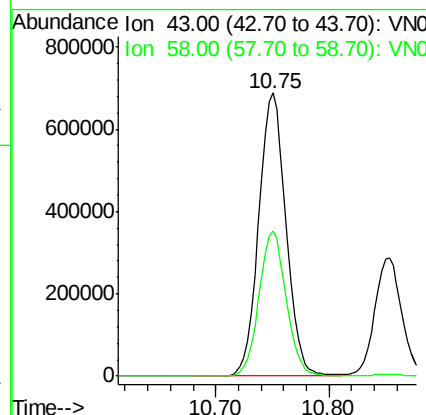
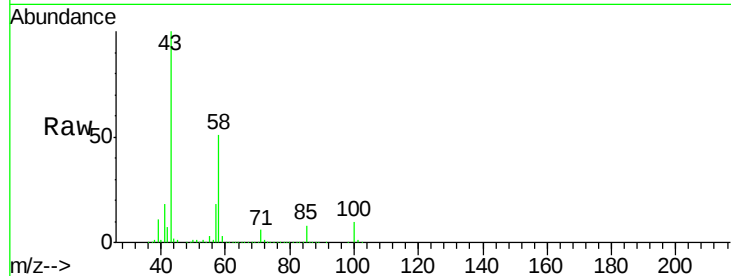
#59
2-Hexanone
Concen: 284.091 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1148177
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3

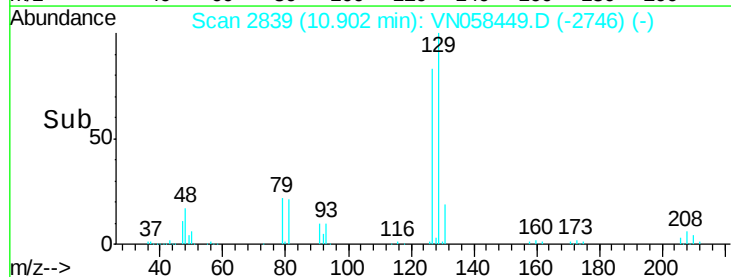
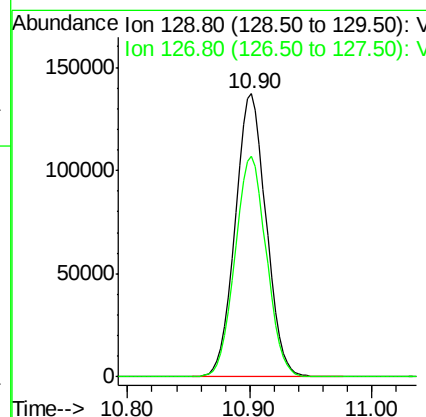
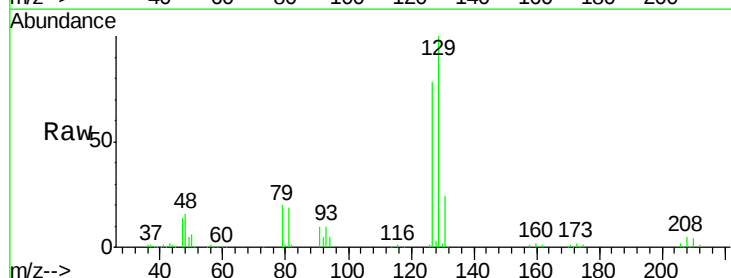
Manual Integrations
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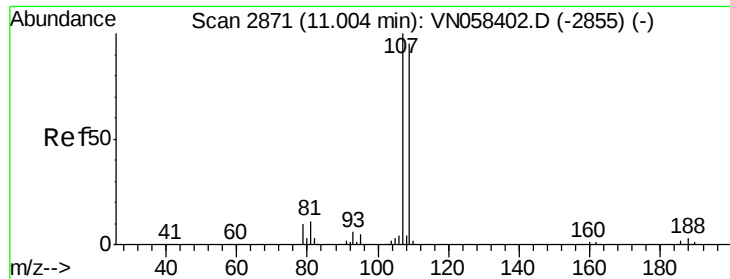
MMDadoda
10/2/2019 9:22:35 AM



#60
Dibromochloromethane
Concen: 52.446 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion: 129 Resp: 242369
Ion Ratio Lower Upper
129 100
127 79.0 38.3 114.8





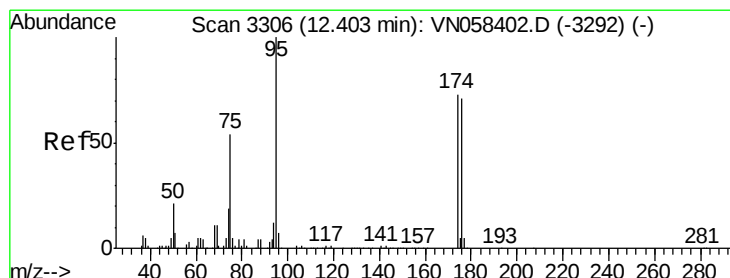
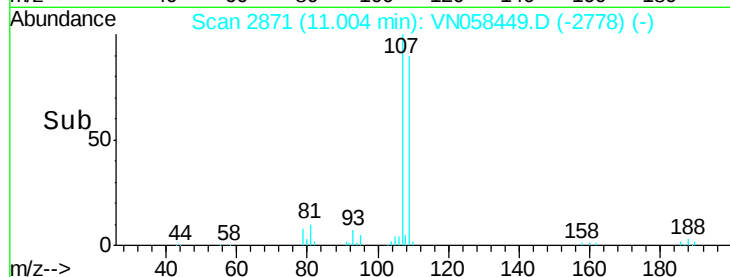
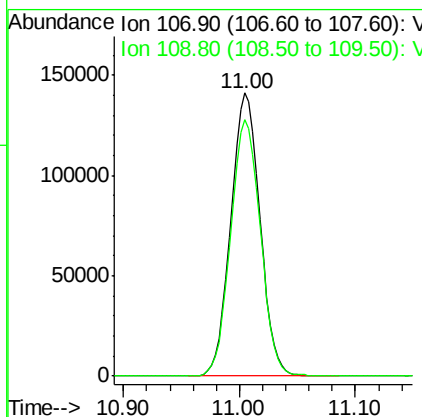
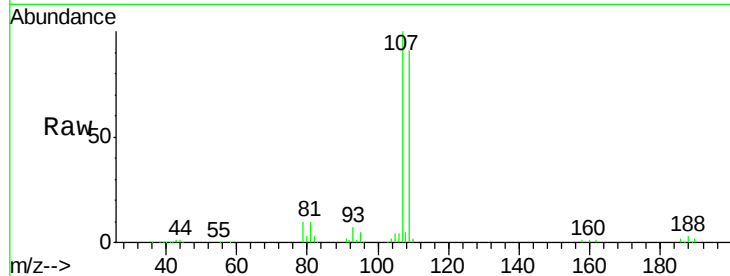
#61
 1,2-Dibromoethane
 Concen: 53.727 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	245120		
109	92.2	75.3	112.9	

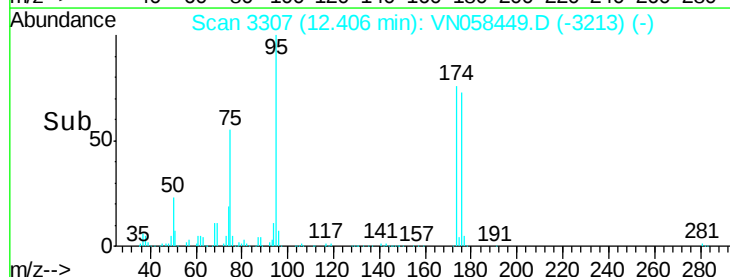
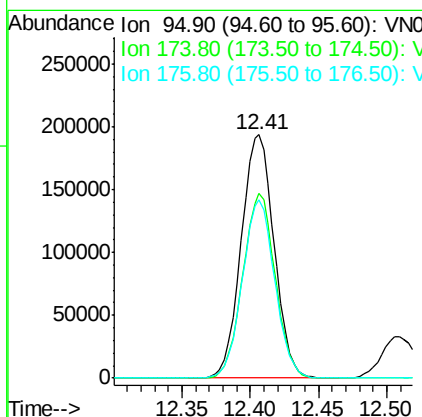
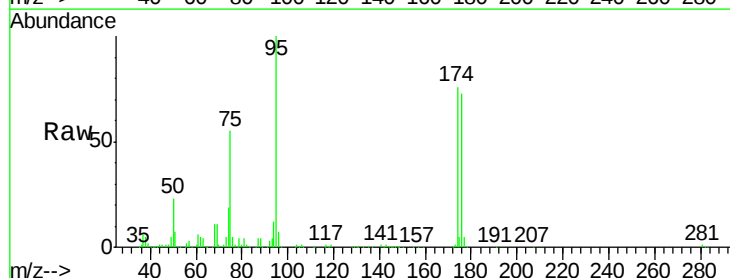
Manual Integrations
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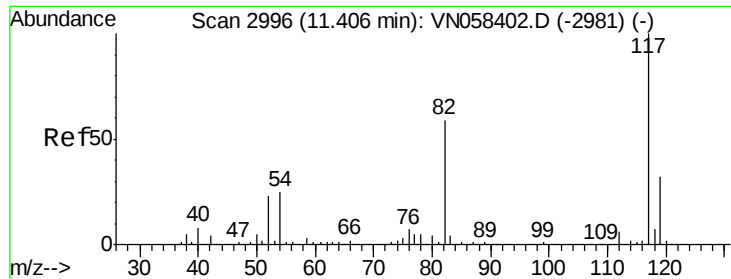
MMDadoda
 10/2/2019 9:22:35 AM



#62
 4-Bromofluorobenzene
 Concen: 52.597 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	323652		
174	74.9	0.0	150.6	
176	72.4	0.0	146.2	





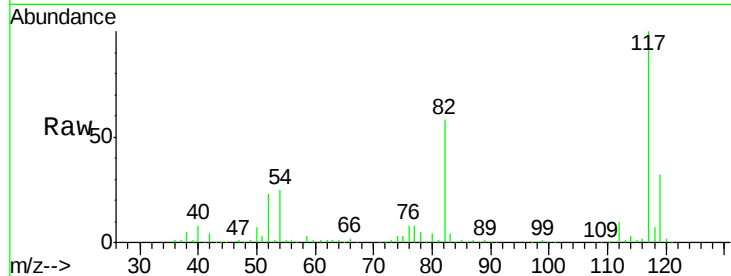
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.4	71.0
119	31.7	25.5	38.3

Manual Integrations
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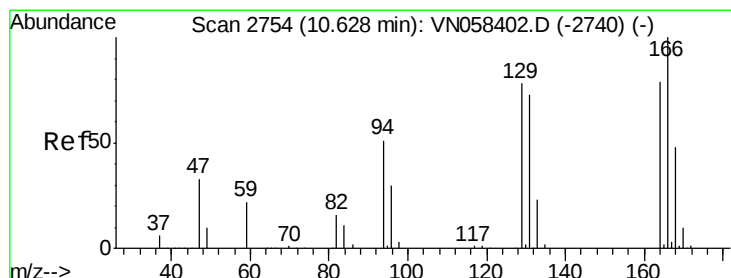
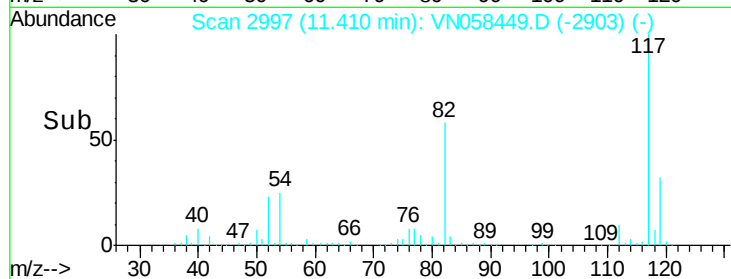
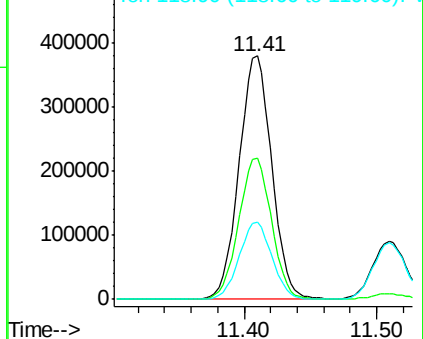


Abundance

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: 48.704 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.1	151.7
129	100.1	79.2	118.8
131	94.6	74.1	111.1

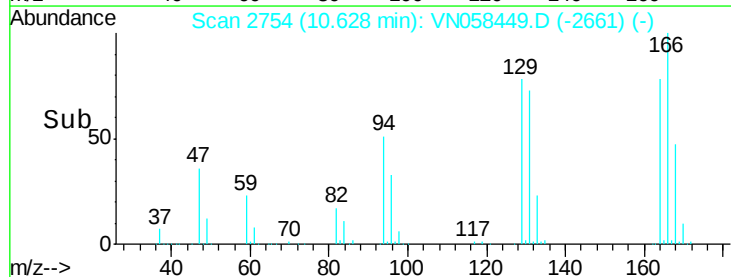
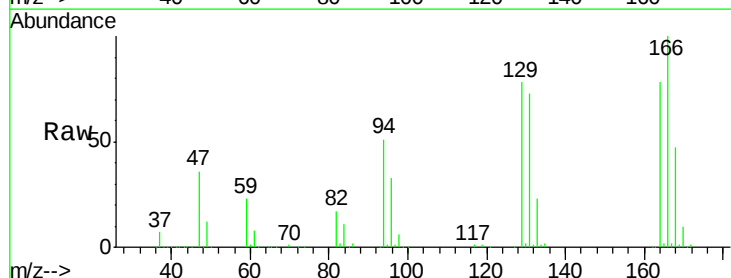
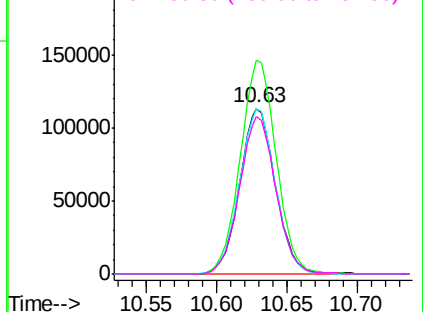
Abundance

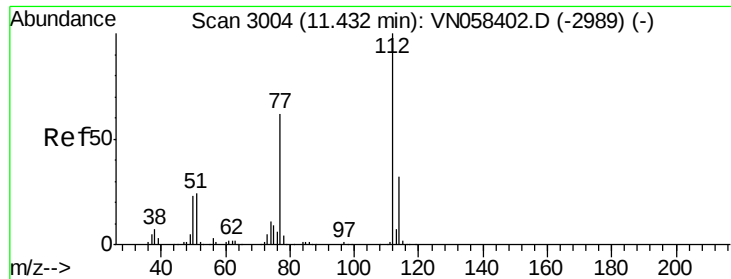
Ion 163.80 (163.50 to 164.50): V

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





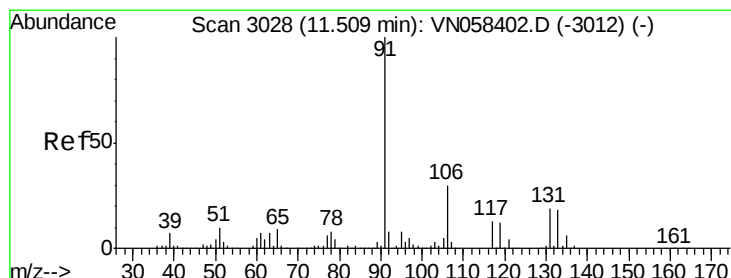
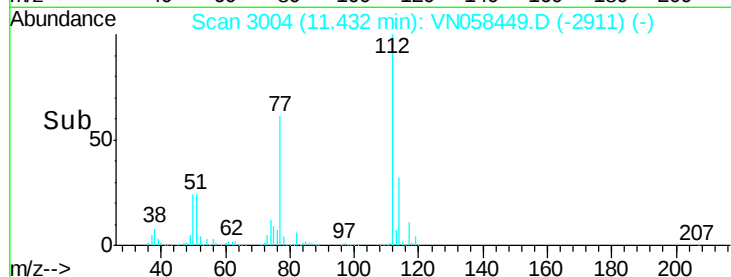
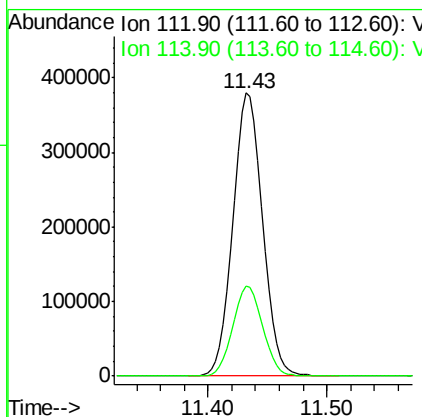
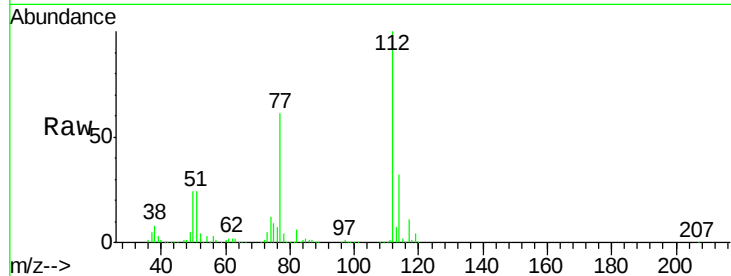
#65
Chlorobenzene
Concen: 50.662 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 655528
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

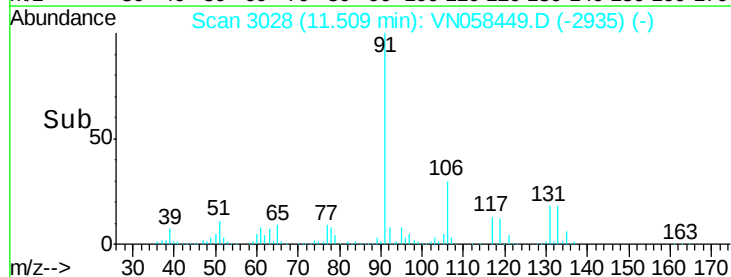
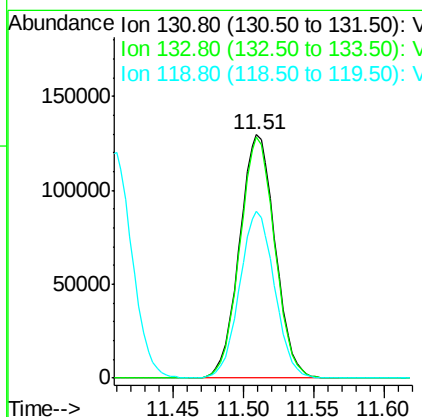
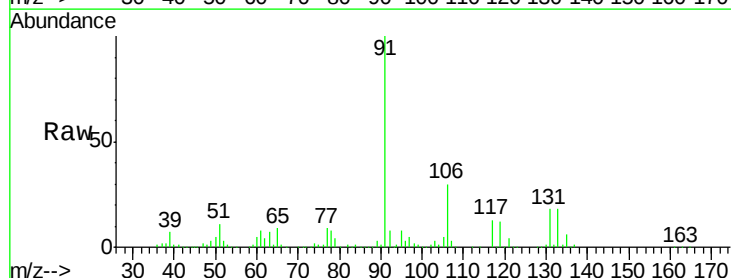
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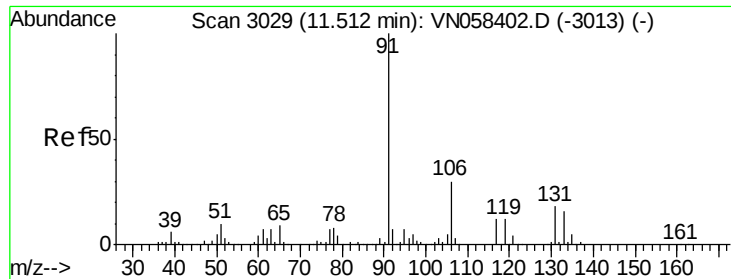
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.618 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion:131 Resp: 229393
Ion Ratio Lower Upper
131 100
133 97.0 47.8 143.3
119 67.1 33.0 99.0





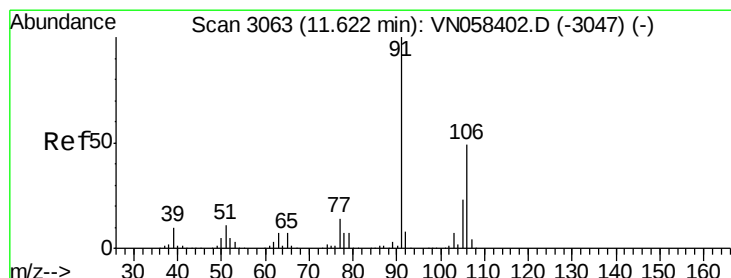
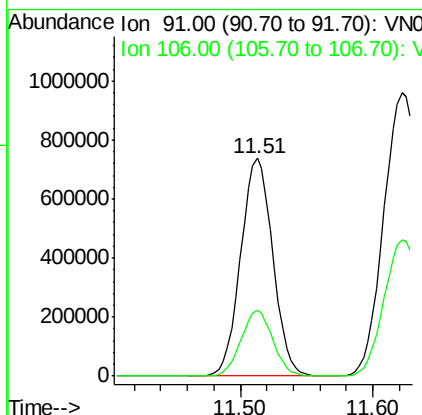
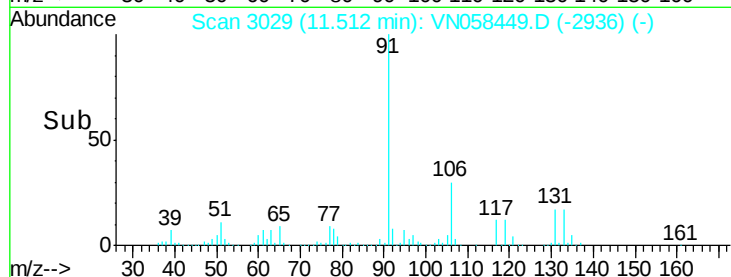
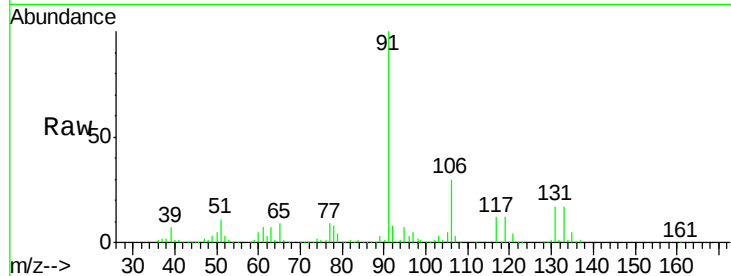
#67
Ethyl Benzene
Concen: 52.852 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion: 91 Resp: 1238690
Ion Ratio Lower Upper
91 100
106 30.2 24.3 36.5

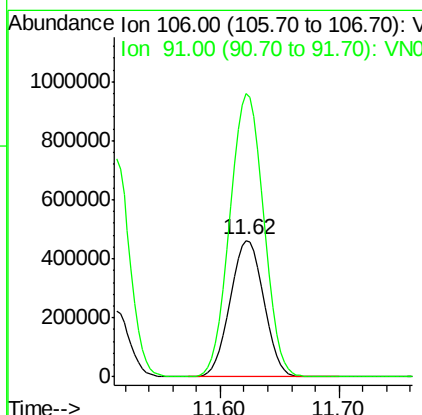
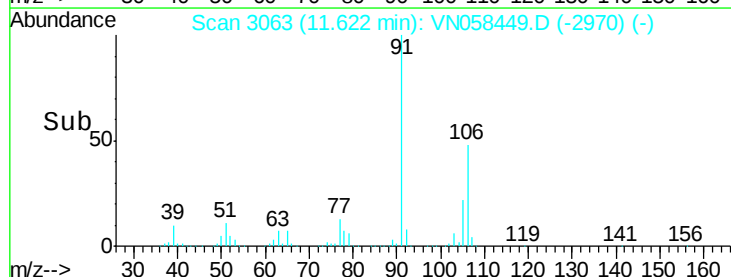
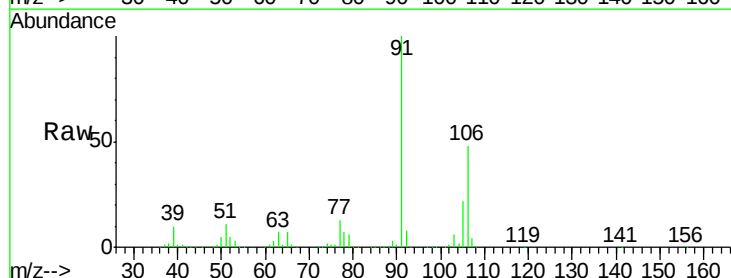
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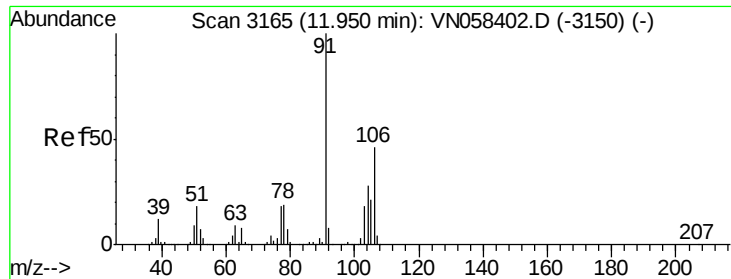
MMDadoda
10/2/2019 9:22:35 AM



#68
m/p-Xylenes
Concen: 102.670 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion: 106 Resp: 905337
Ion Ratio Lower Upper
106 100
91 208.7 165.0 247.4





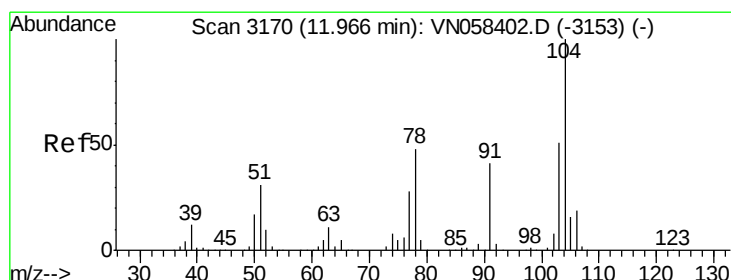
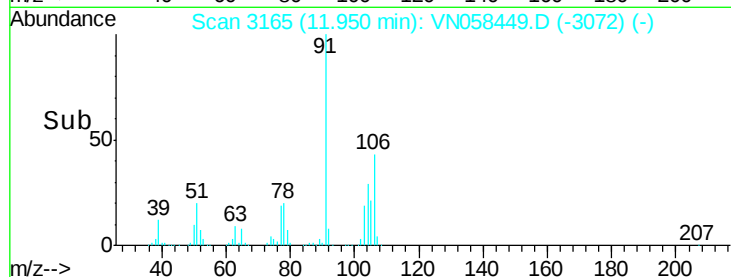
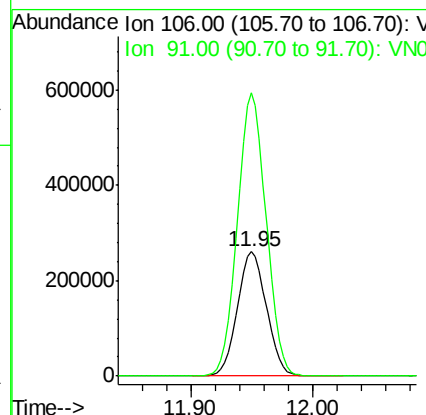
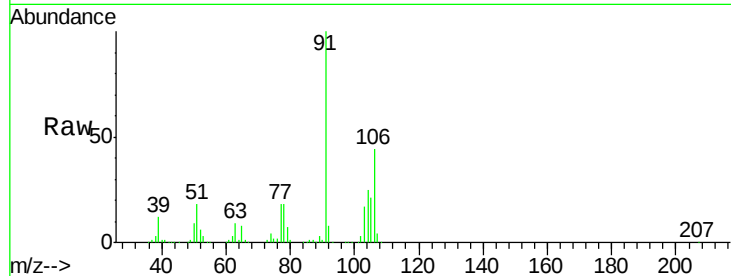
#69
o-Xylene
Concen: 50.712 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
430466	106	100			
	91	225.0	109.1	327.4	

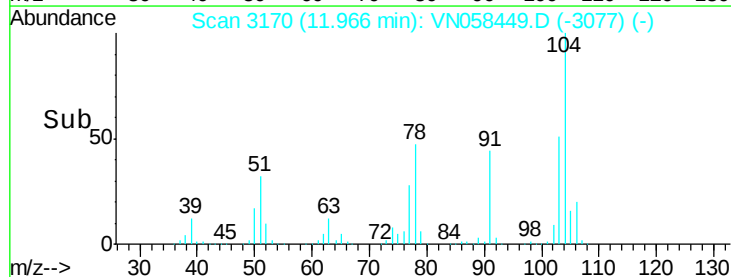
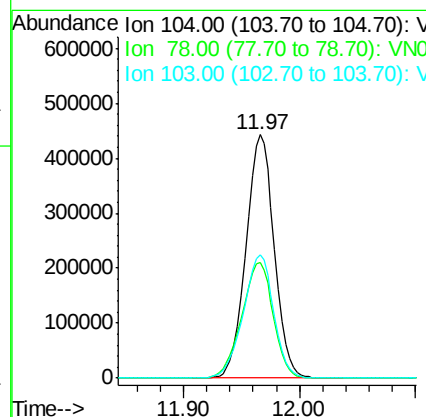
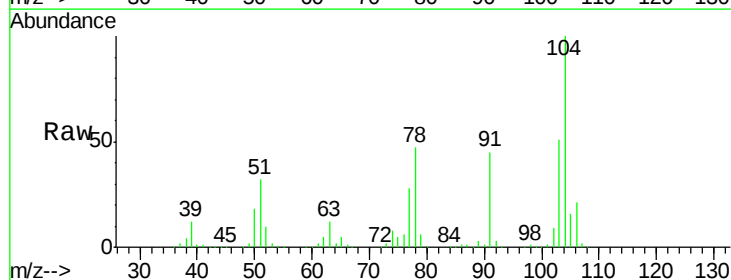
Manual Integrations
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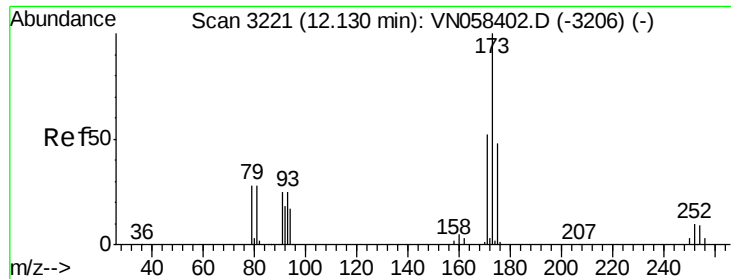
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#70
Styrene
Concen: 54.158 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
746848	104	100			
	78	53.1	42.8	64.2	
	103	54.7	43.7	65.5	





#71

Bromoform

Concen: 52.466 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 158173

Ion Ratio Lower Upper

173 100

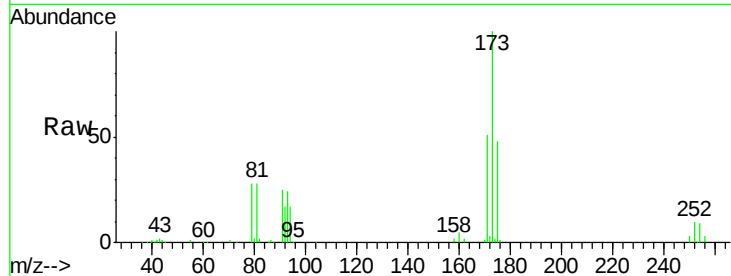
175 48.6 24.3 73.0

254 0.0 0.1 0.1#

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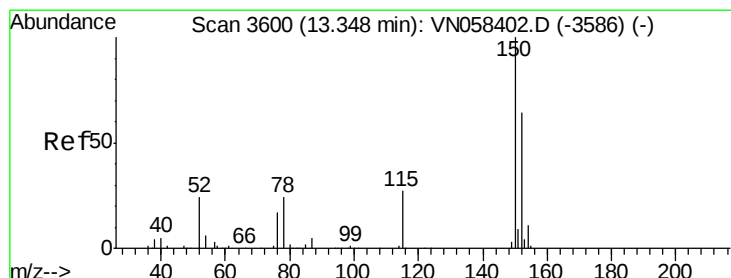
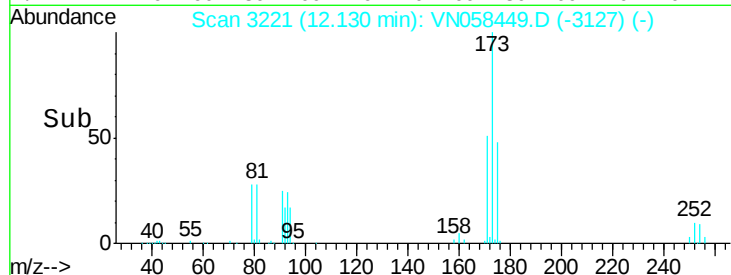
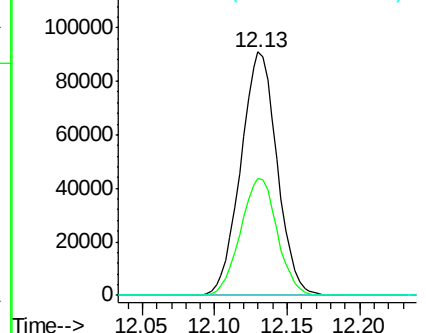
10/2/2019 9:22:35 AM



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# 3600

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

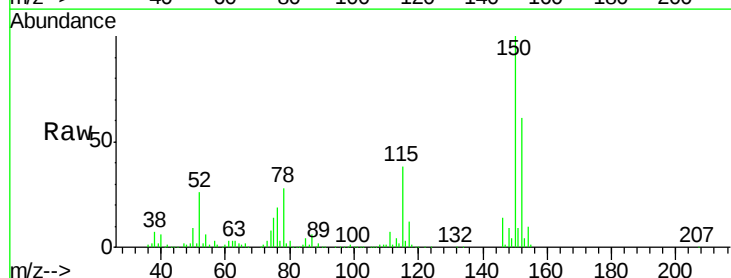
Tgt Ion:152 Resp: 316830

Ion Ratio Lower Upper

152 100

115 62.5 30.0 90.0

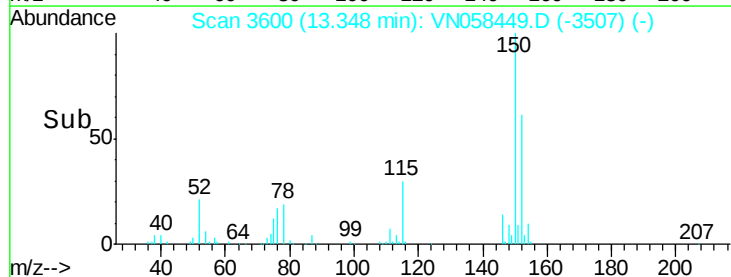
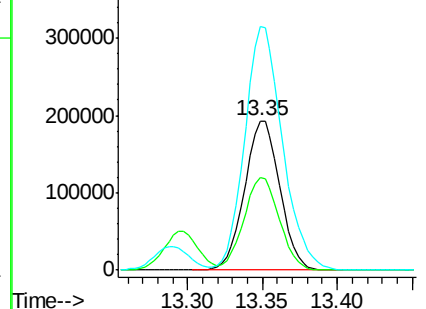
150 174.4 0.0 348.2

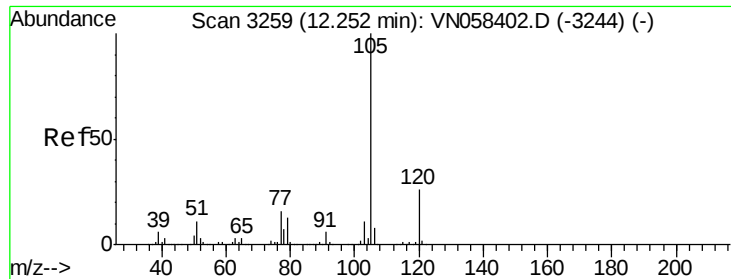


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.296 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1201079

Ion Ratio Lower Upper

105 100

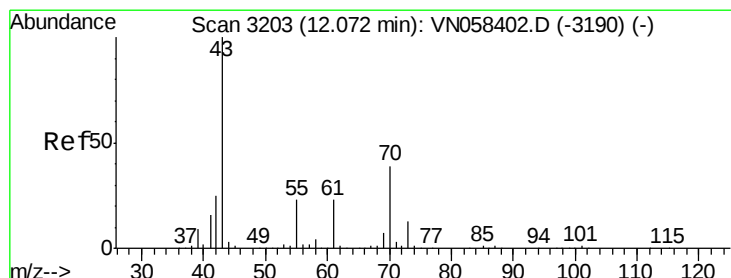
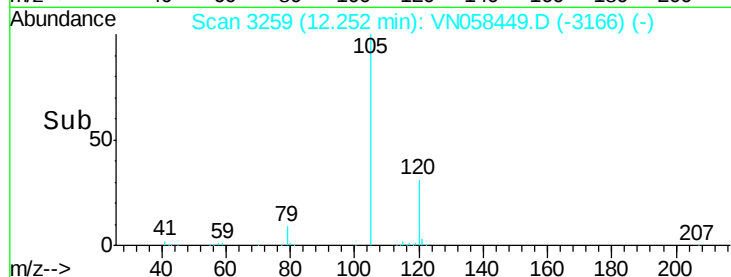
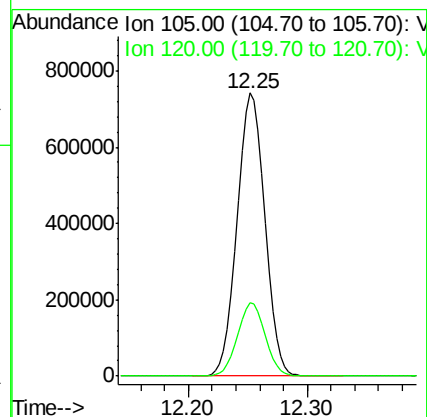
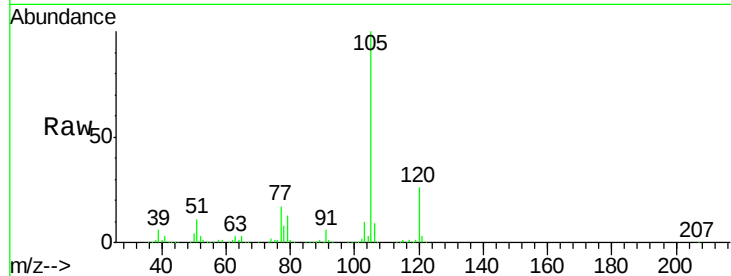
120 25.8 12.8 38.4

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#74

N-ethyl acetate

Concen: 52.571 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Tgt Ion: 43 Resp: 489694

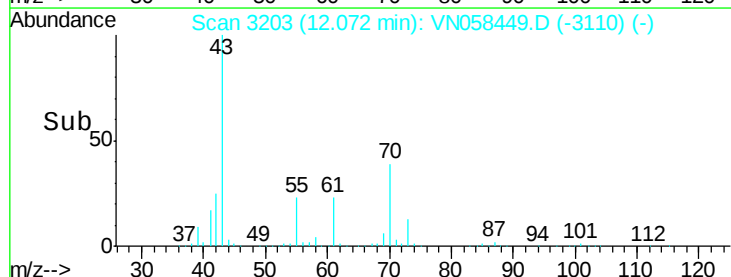
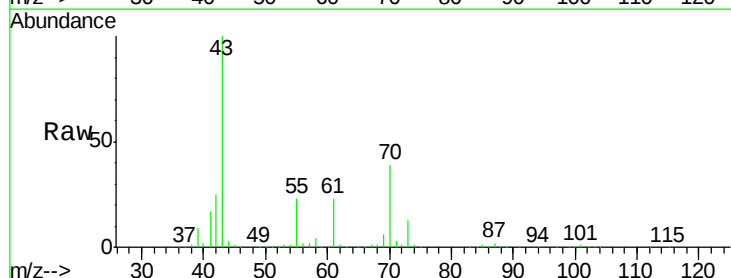
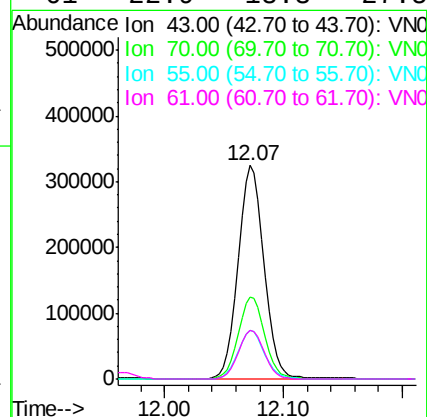
Ion Ratio Lower Upper

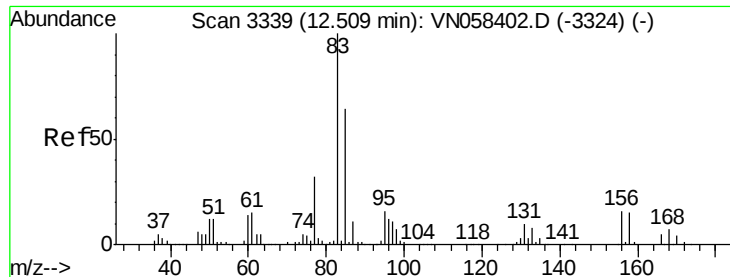
43 100

70 39.0 31.4 47.2

55 23.3 18.2 27.4

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.952 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

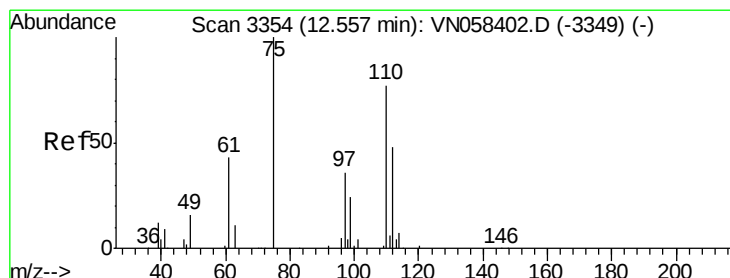
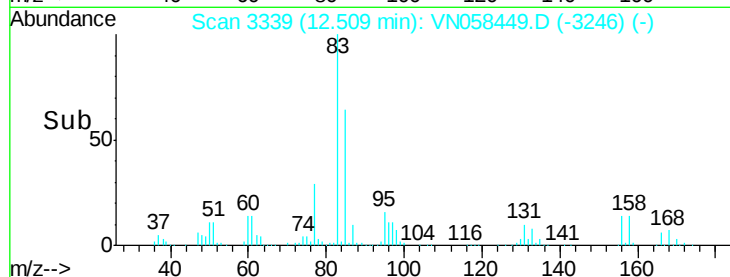
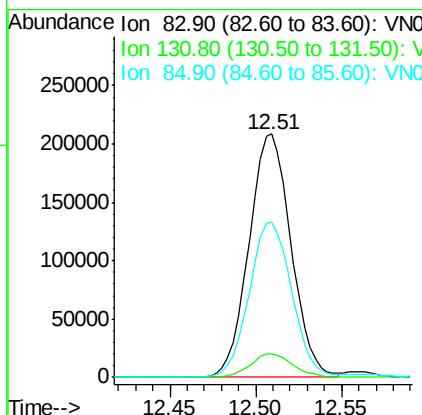
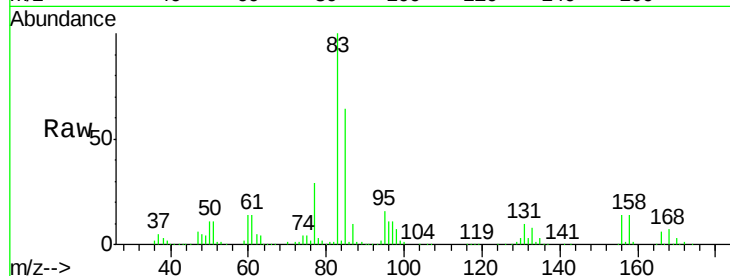
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	352777
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 53.827 ug/l m

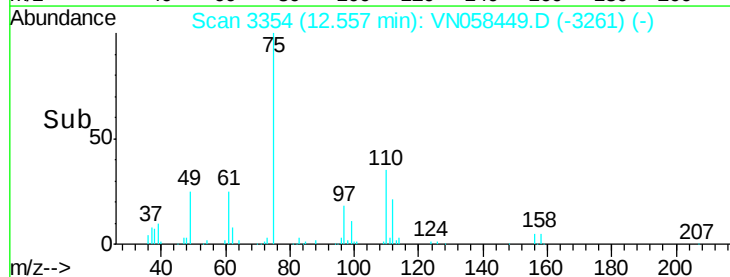
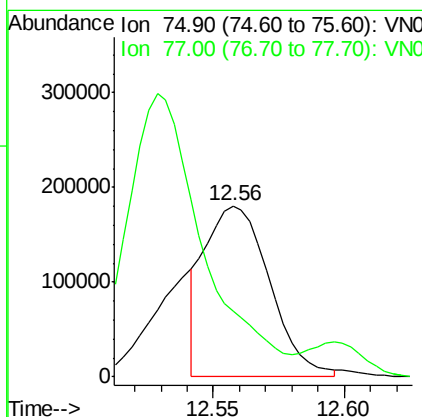
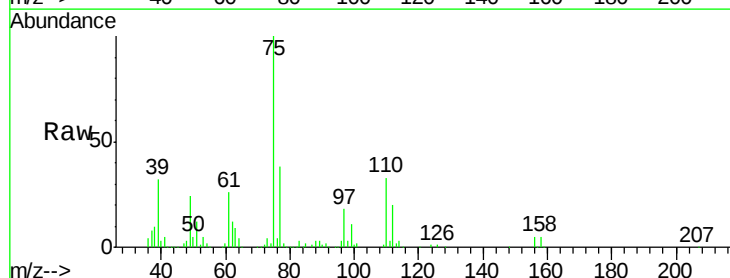
RT: 12.56 min Scan# 3354

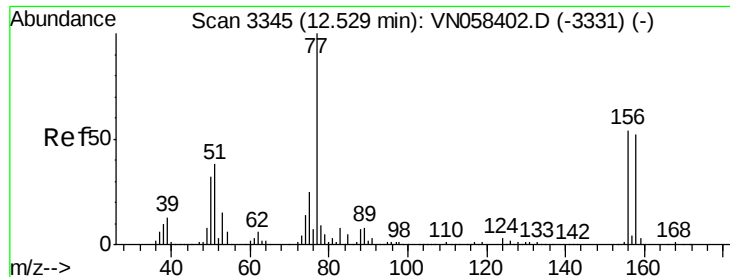
Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Tgt Ion:	75	Resp:	311491
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.178 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 269994

Ion Ratio Lower Upper

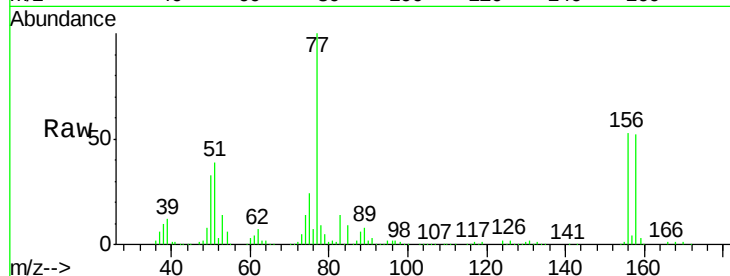
156 100

77 225.5 110.0 330.0

158 98.8 47.9 143.8

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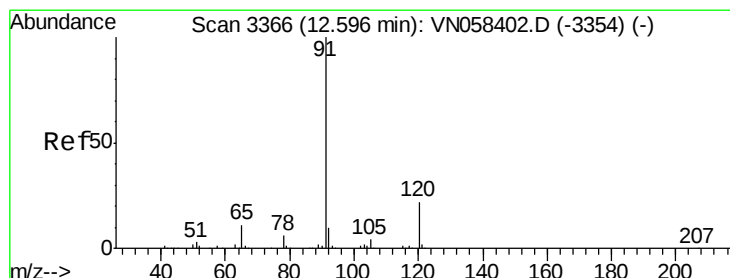
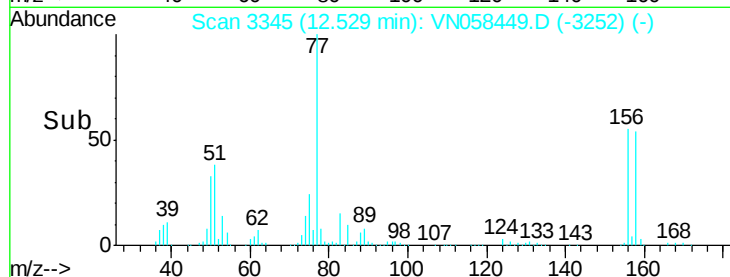
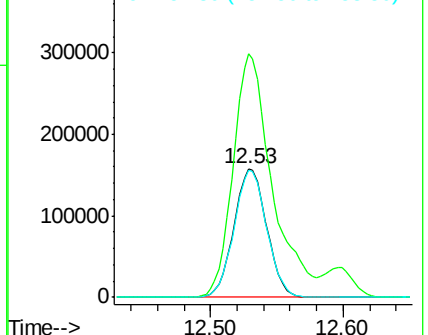
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.121 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058449.D

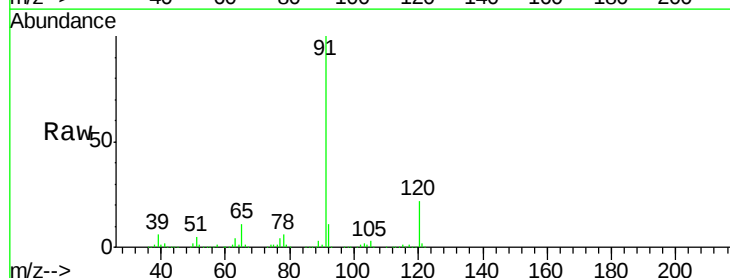
Acq: 30 Sep 2019 20:20

Tgt Ion: 91 Resp: 1427662

Ion Ratio Lower Upper

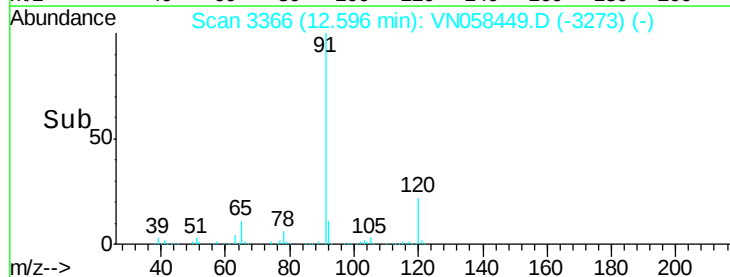
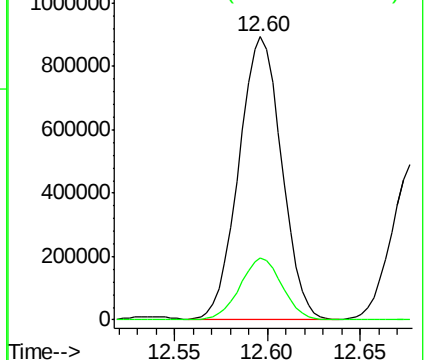
91 100

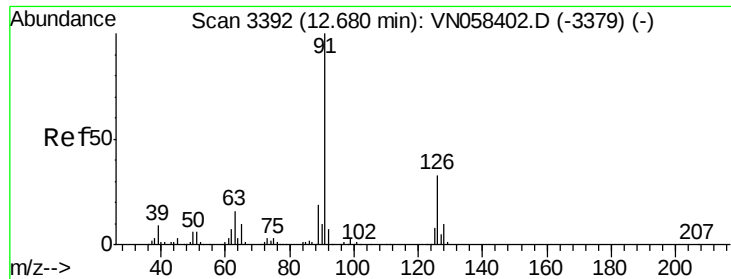
120 21.5 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.695 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 825416

Ion Ratio Lower Upper

91 100

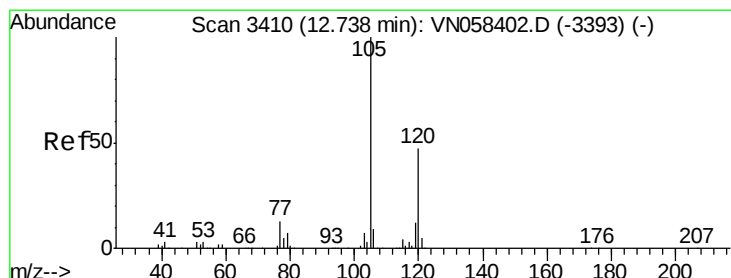
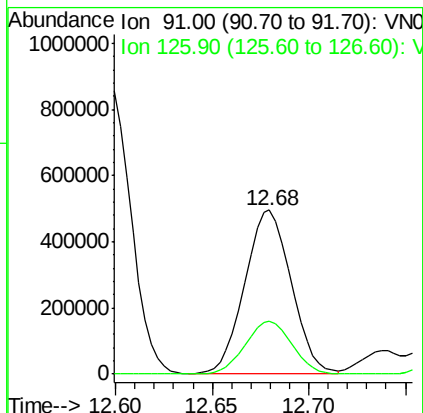
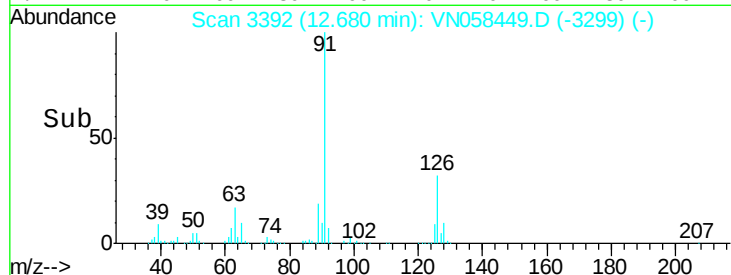
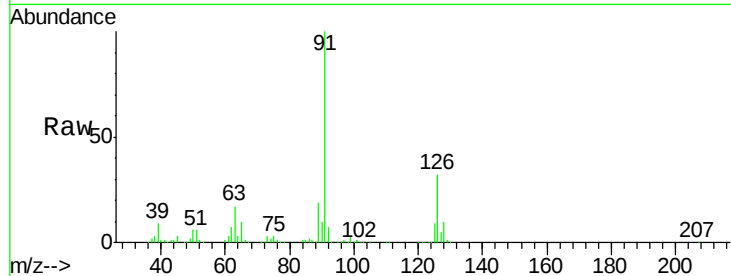
126 32.5 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.376 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058449.D

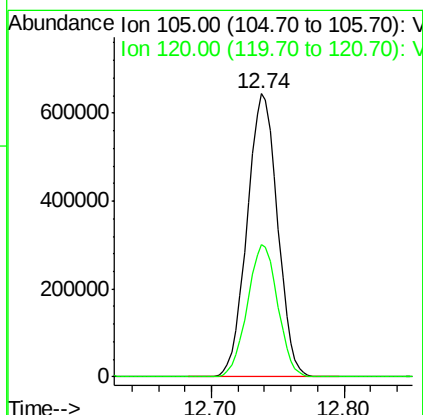
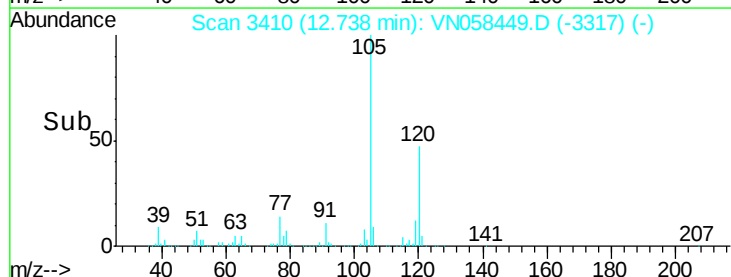
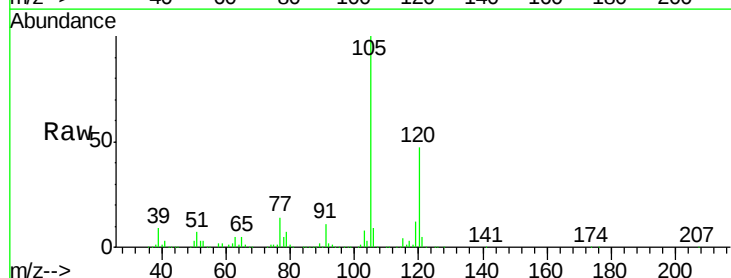
Acq: 30 Sep 2019 20:20

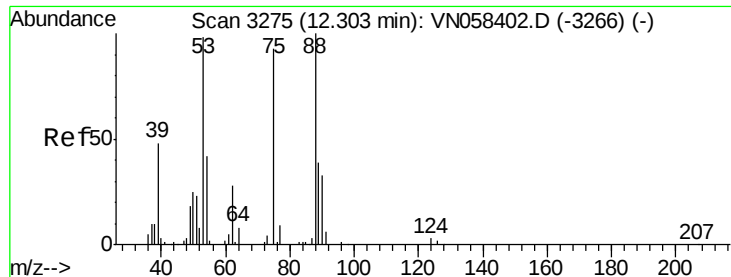
Tgt Ion: 105 Resp: 1026584

Ion Ratio Lower Upper

105 100

120 46.8 23.5 70.6





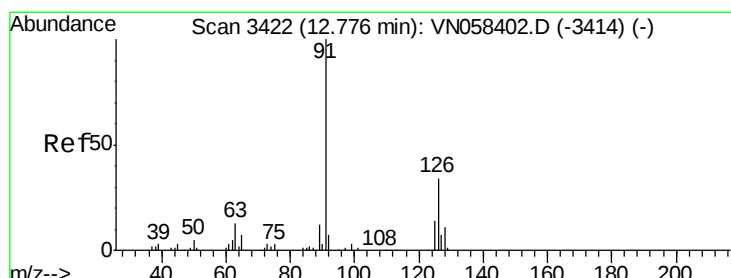
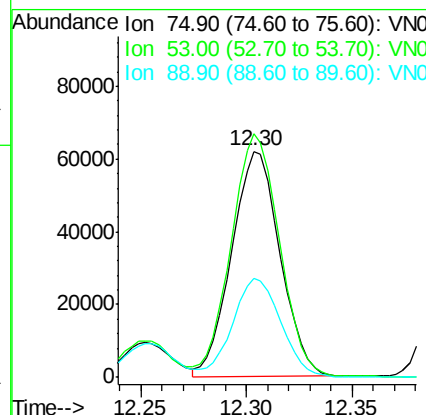
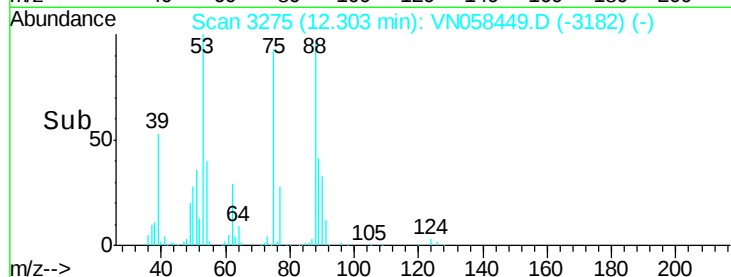
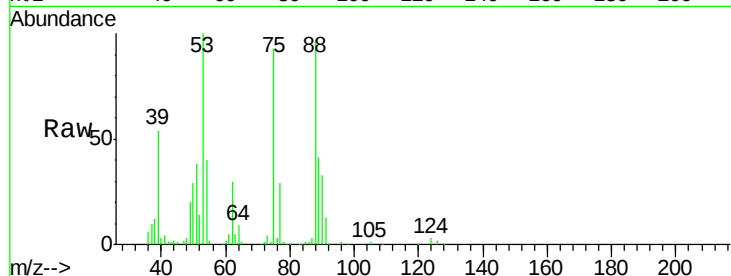
#81
trans-1,4-Dichloro-2-butene
Concen: 51.681 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.1	85.4	128.0
89	43.9	35.0	52.4

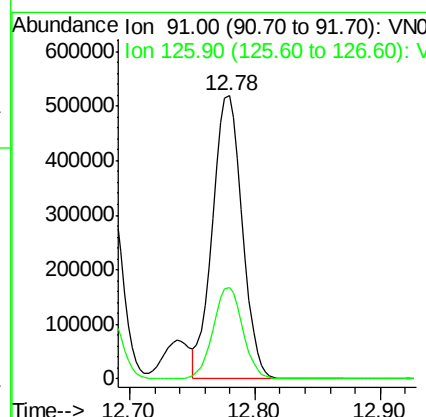
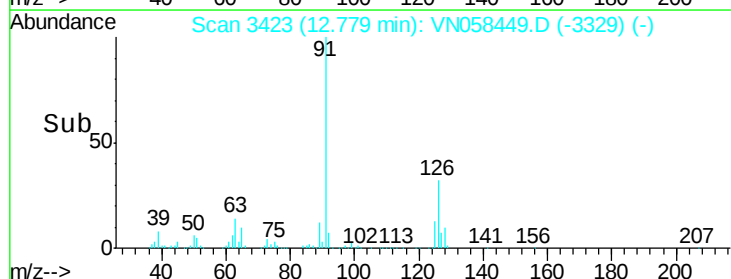
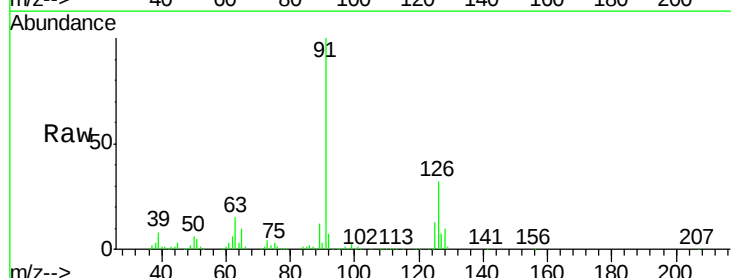
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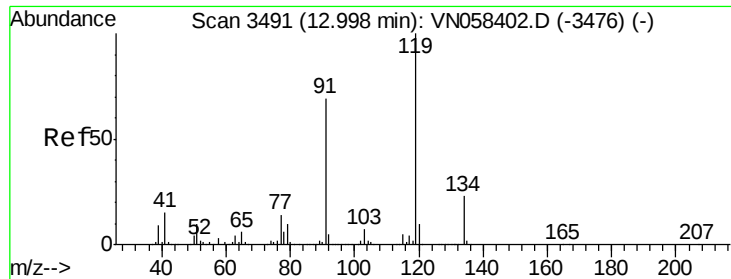
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#82
4-Chlorotoluene
Concen: 51.325 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.7





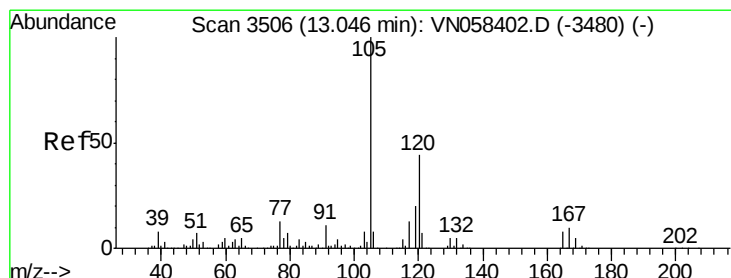
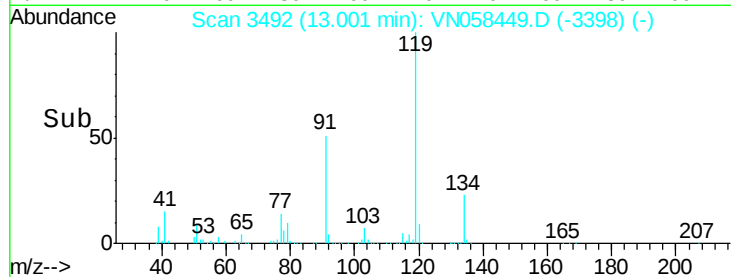
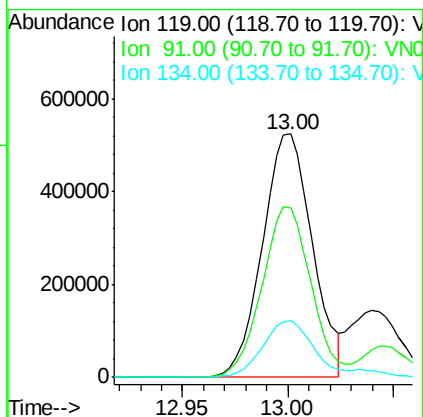
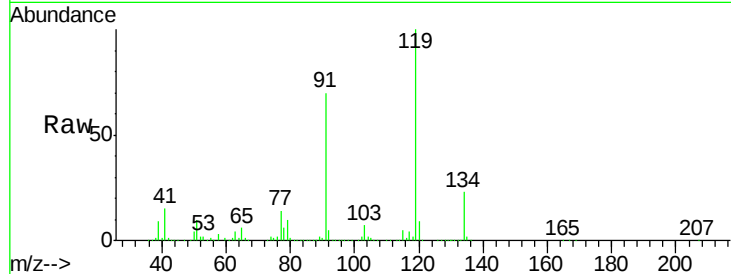
#83
 tert-Butylbenzene
 Concen: 52.284 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	34.2	102.6
134	23.3	11.6	34.8

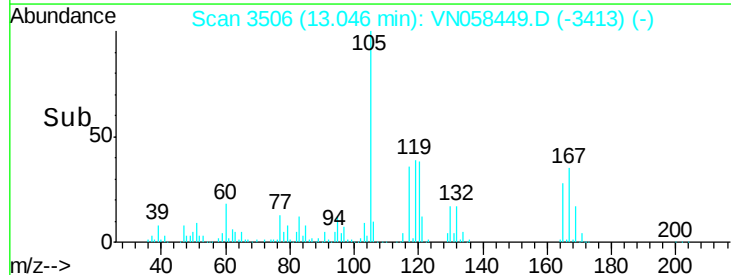
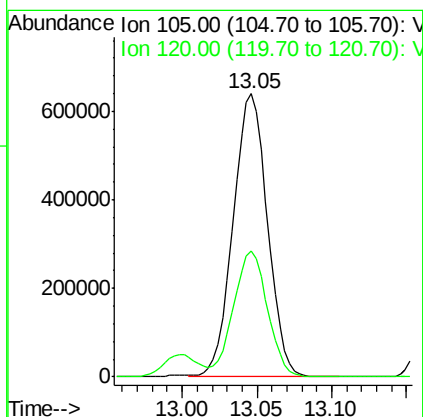
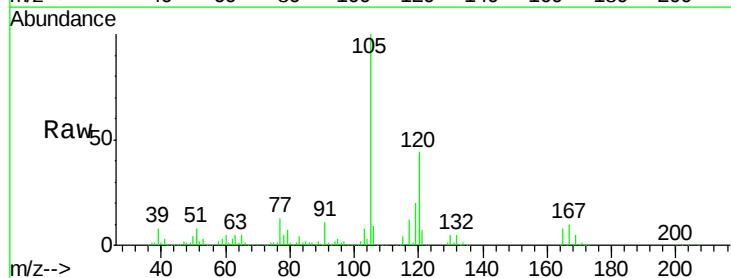
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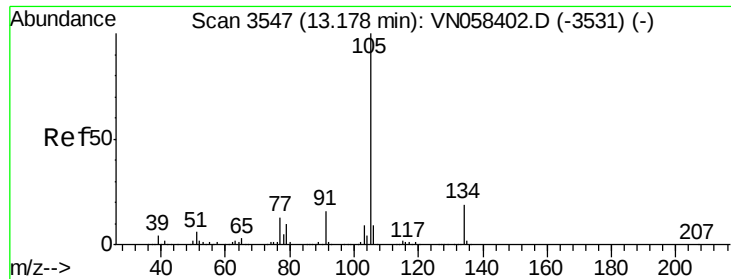
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.906 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.7	65.1





#85

sec-Butylbenzene

Concen: 54.220 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1180304

Ion Ratio Lower Upper

105 100

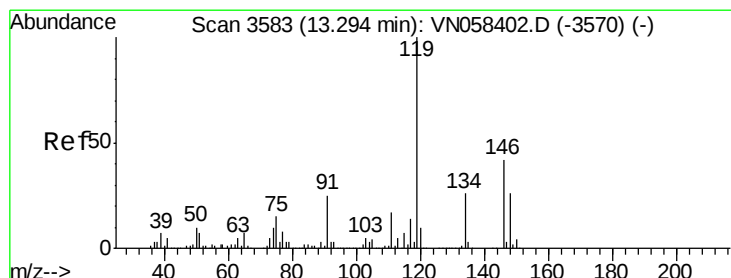
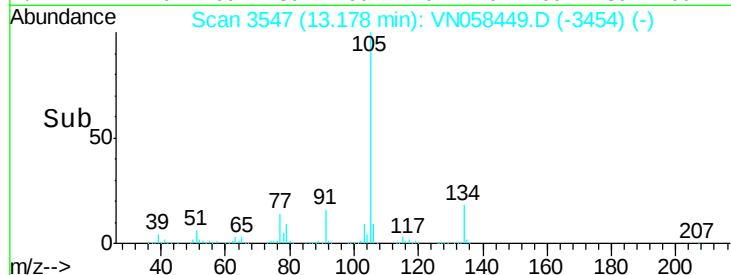
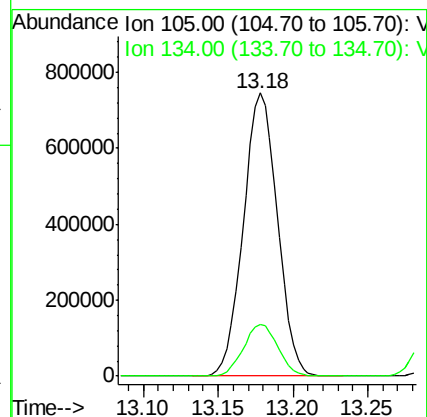
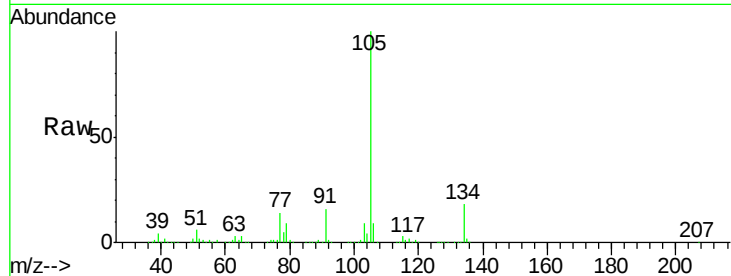
134 18.7 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.970 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

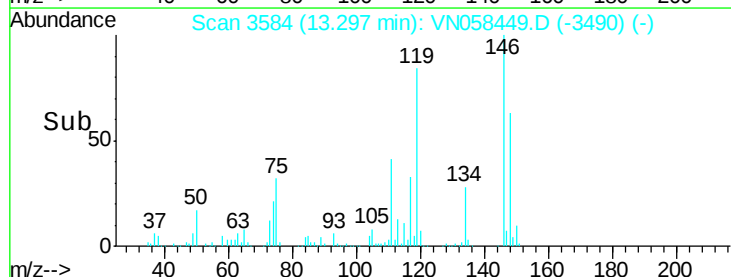
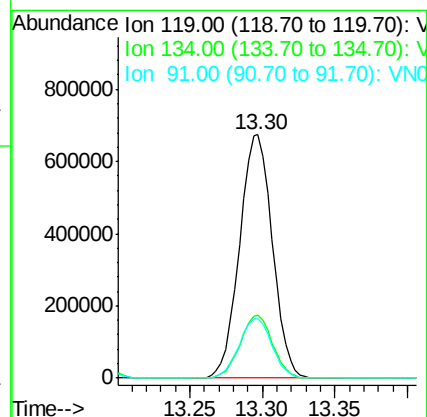
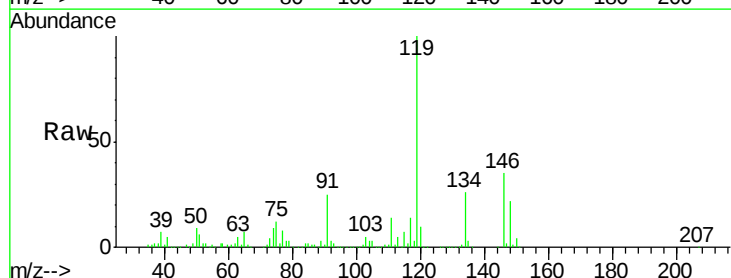
Tgt Ion:119 Resp: 1053330

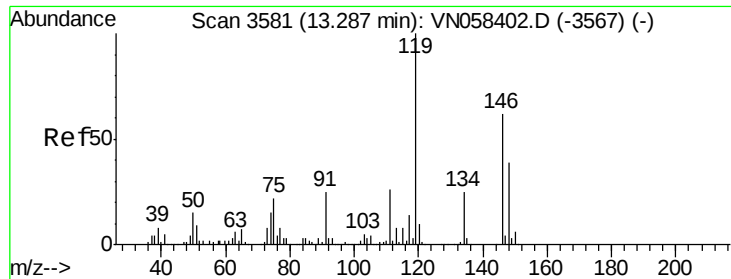
Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

91 24.6 12.4 37.0





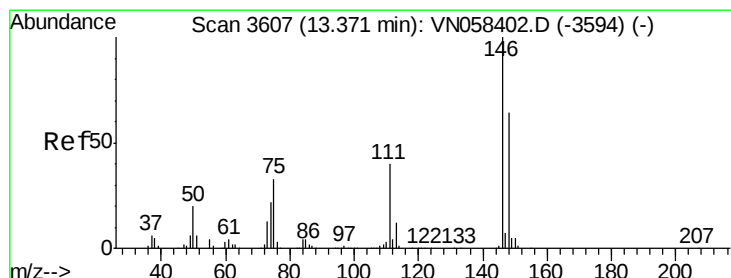
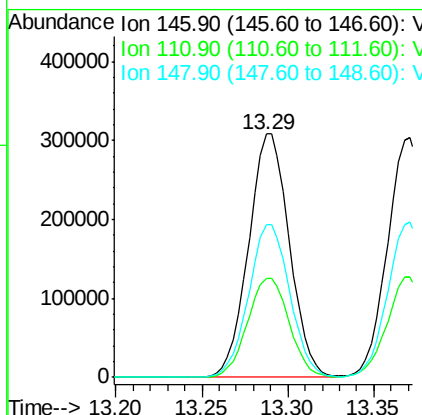
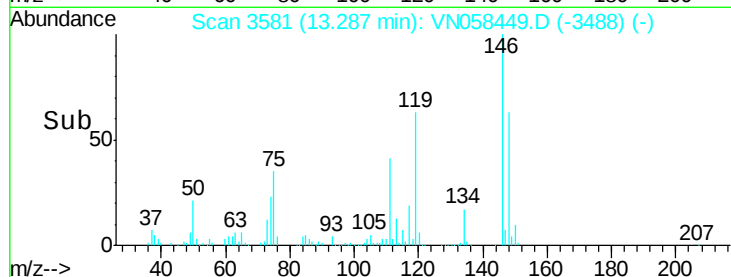
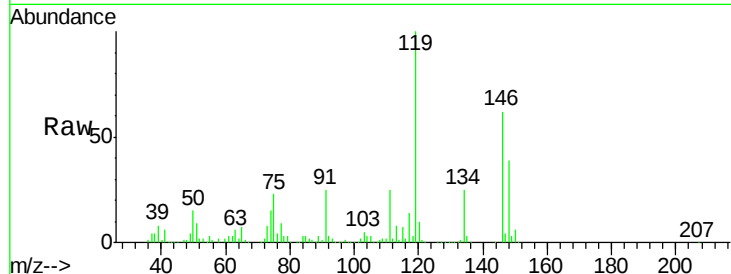
#87
 1,3-Dichlorobenzene
 Concen: 50.936 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	507075		
111	41.6	20.8	62.4	
148	63.3	31.4	94.3	

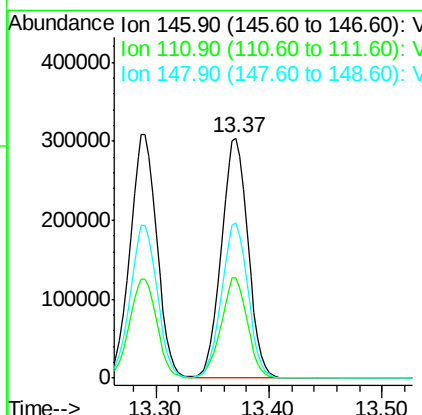
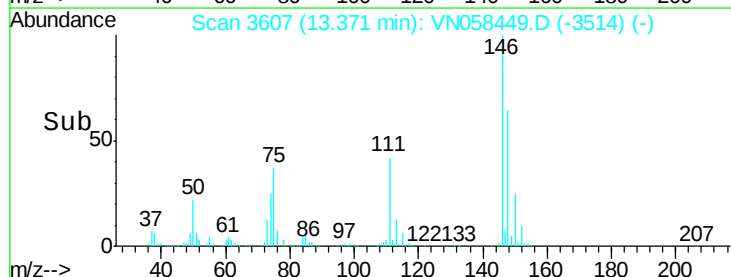
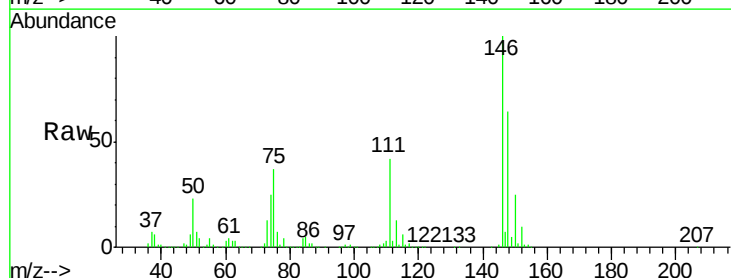
Manual Integrations
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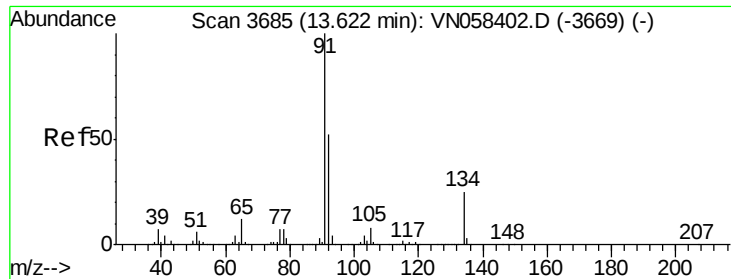
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#88
 1,4-Dichlorobenzene
 Concen: 50.317 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	498375		
111	40.8	20.5	61.6	
148	64.1	31.5	94.5	





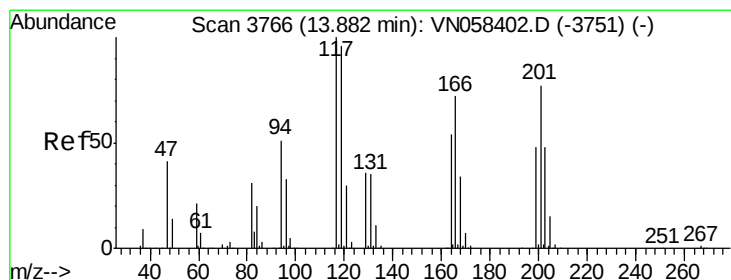
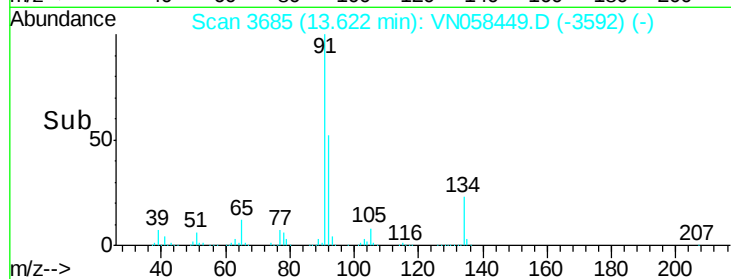
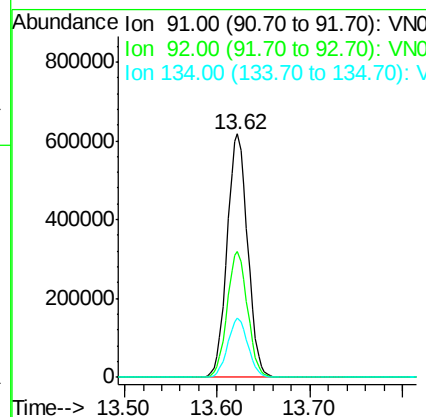
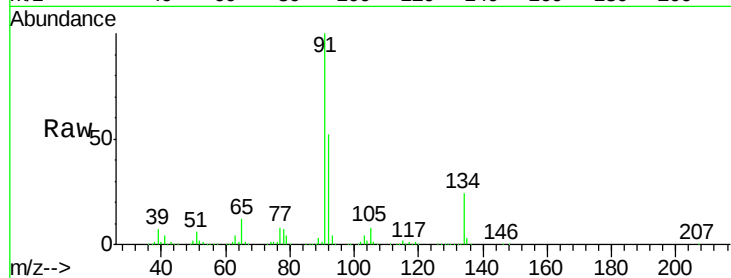
#89
n-Butylbenzene
Concen: 54.542 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.1
134	24.0	12.2	36.6

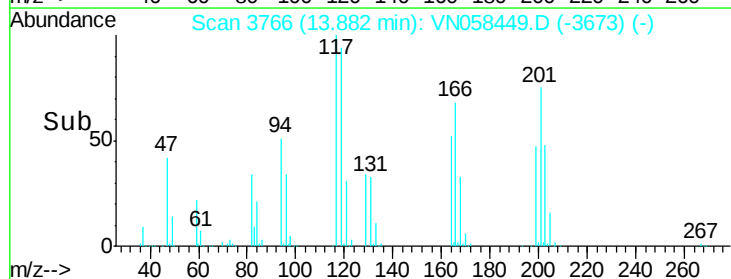
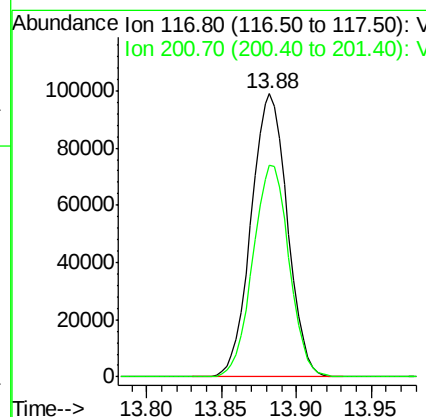
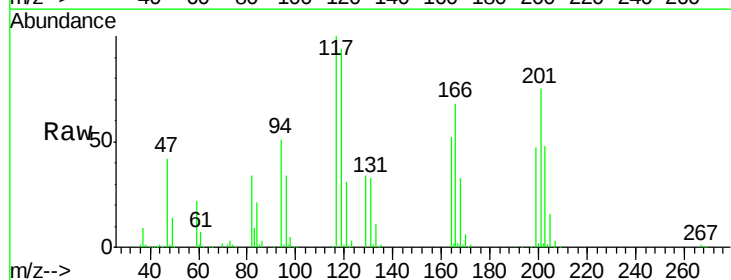
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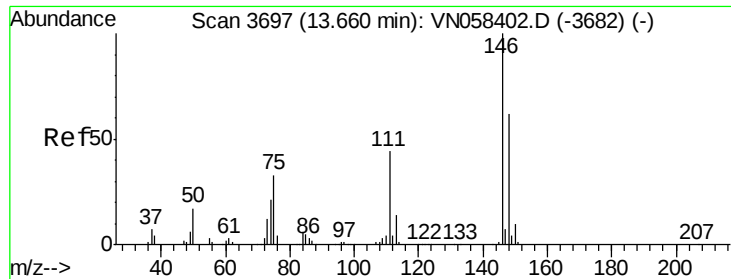
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#90
Hexachloroethane
Concen: 57.945 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058449.D
Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.9	38.6	116.0





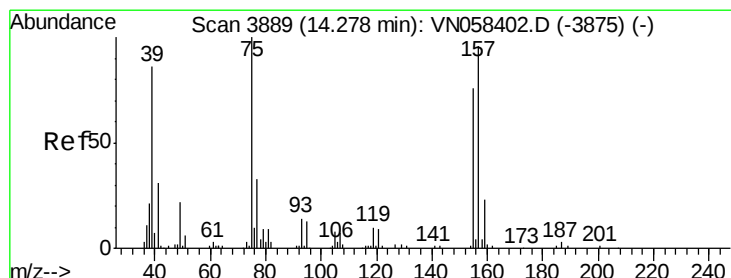
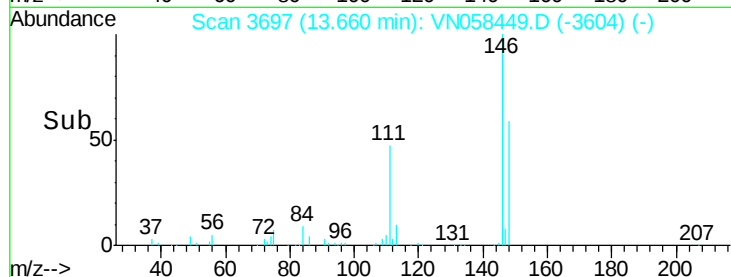
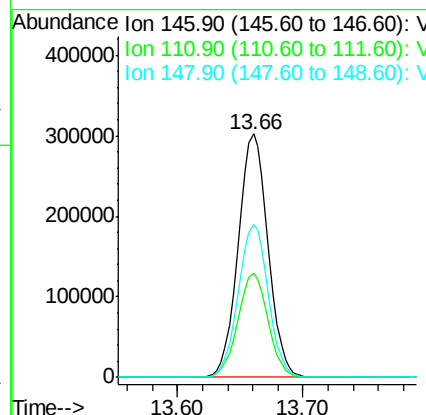
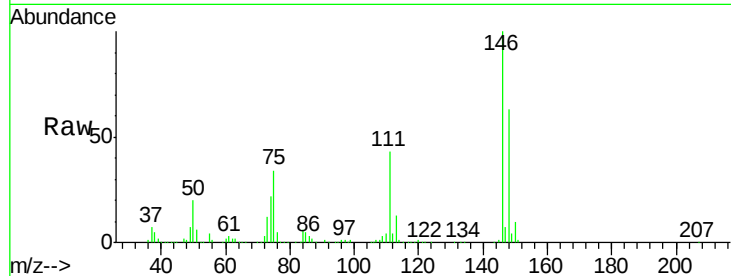
#91
 1,2-Dichlorobenzene
 Concen: 52.024 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	63.5	31.5	94.5

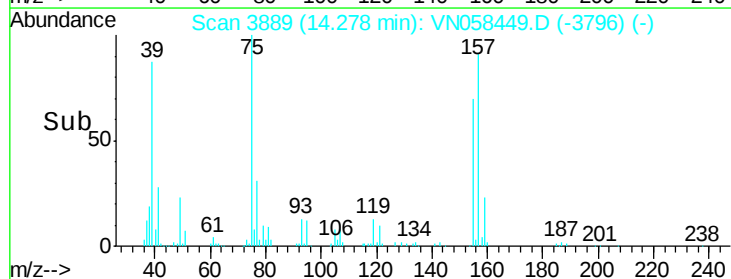
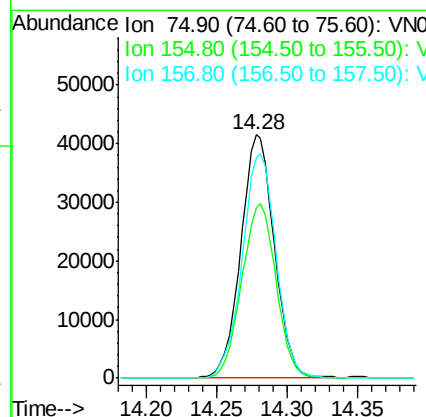
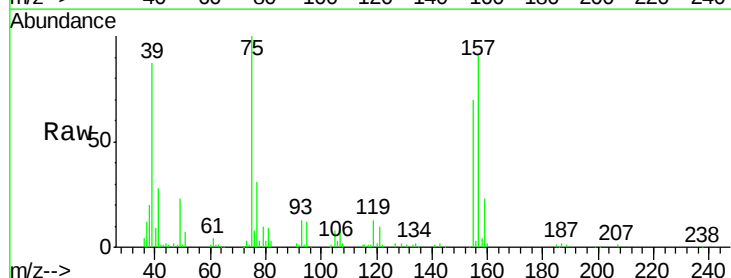
Manual Integrations
 APPROVED

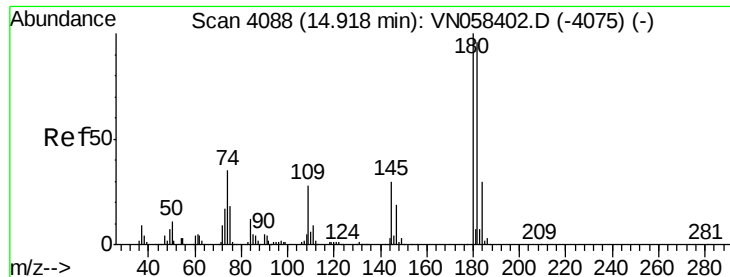
MMDadoda
 10/2/2019 9:22:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.642 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	39.2	117.6
157	93.2	48.7	146.1





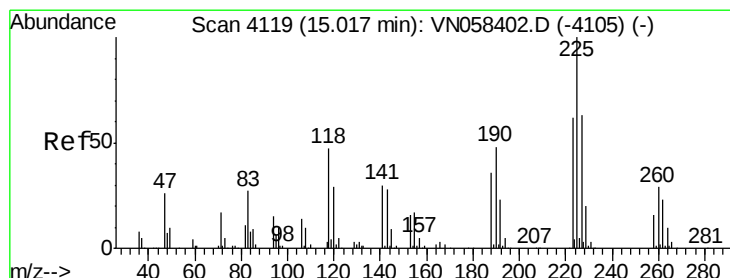
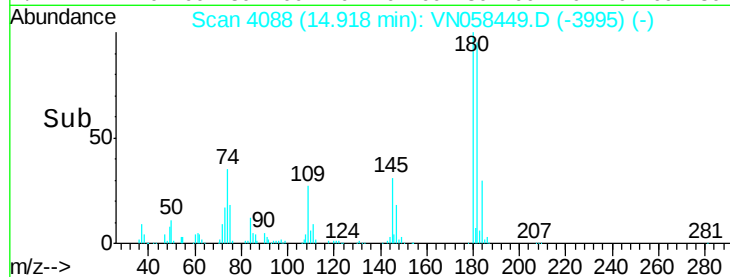
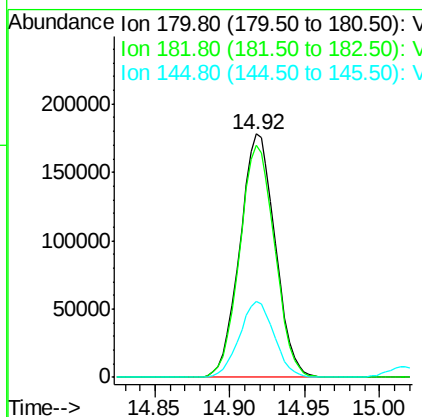
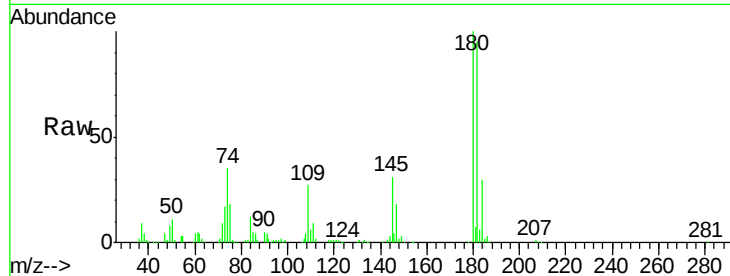
#93
 1,2,4-Trichlorobenzene
 Concen: 55.288 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	292235		
182	94.8	47.4	142.3	
145	30.9	15.3	45.9	

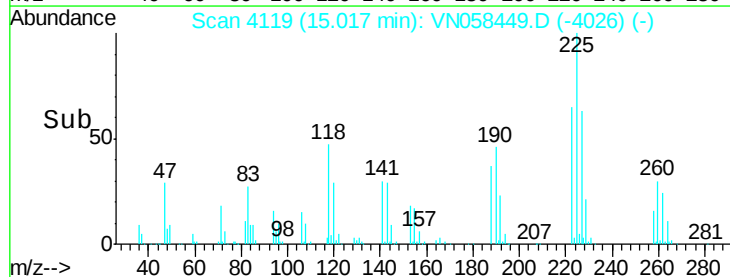
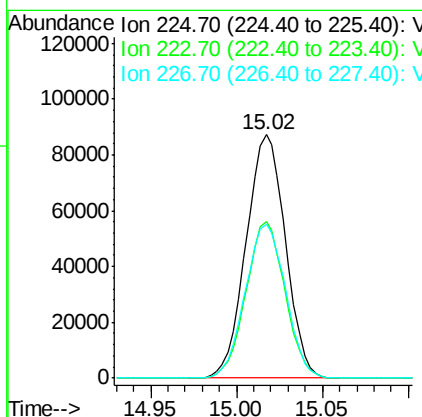
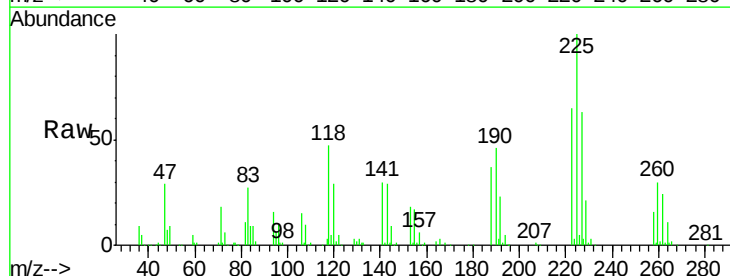
Manual Integrations
 APPROVED

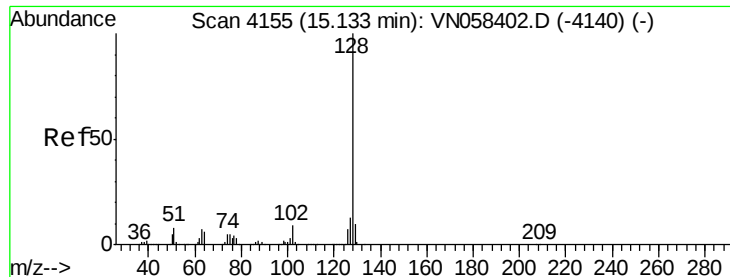
MMDadoda
 10/2/2019 9:22:35 AM



#94
 Hexachlorobutadiene
 Concen: 50.886 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058449.D
 Acq: 30 Sep 2019 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138247		
223	63.8	31.1	93.5	
227	65.0	31.4	94.2	





#95

Naphthalene

Concen: 50.940 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Instrument :

MSVOA_N

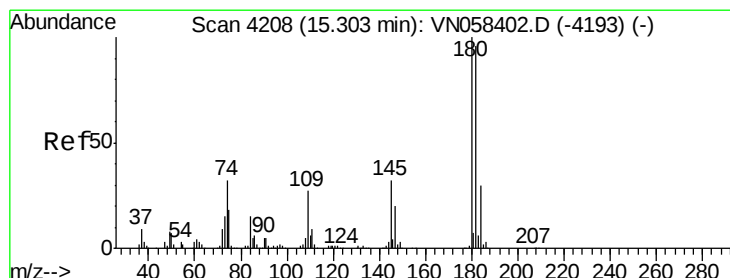
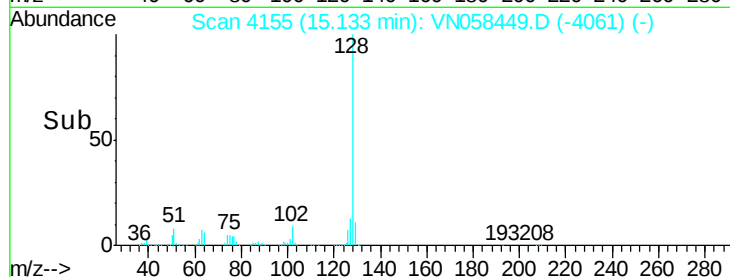
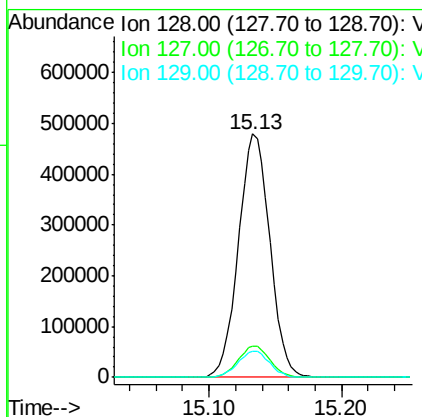
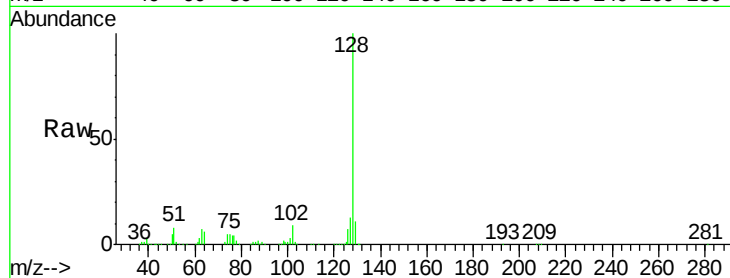
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	788515
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.9	8.3	12.5

Manual Integrations
APPROVED

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10/2/2019 9:22:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.584 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058449.D

Acq: 30 Sep 2019 20:20

Tgt Ion:	180	Resp:	278652
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.3	144.9
145	32.2	16.1	48.3

