

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059000.D
 Acq On : 29 Oct 2019 11:21
 Operator : JC/SP
 Sample : VN1029WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:40 PM

Quant Time: Oct 30 03:26:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	430100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	683642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	628807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	303566	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.57	113	229390	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.08	98	864742	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	315235	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97875	18.252	ug/l	99
3) Chloromethane	2.04	50	122536	18.450	ug/l	99
4) Vinyl Chloride	2.17	62	126878	19.240	ug/l	98
5) Bromomethane	2.55	94	73998	17.919	ug/l	98
6) Chloroethane	2.68	64	76969	18.201	ug/l	99
7) Trichlorofluoromethane	3.00	101	161212	19.758	ug/l	99
8) Diethyl Ether	3.39	74	59855	21.228	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	93107	20.583	ug/l	99
10) Methyl Iodide	3.93	142	104267	17.526	ug/l	99
11) Tert butyl alcohol	4.75	59	113049	107.995	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87159	20.557	ug/l	93
13) Acrolein	3.58	56	46990	65.331	ug/l	97
14) Allyl chloride	4.30	41	179219	20.889	ug/l	95
15) Acrylonitrile	4.96	53	295876	112.367	ug/l	99
16) Acetone	3.79	43	333611	107.027	ug/l	98
17) Carbon Disulfide	4.03	76	244331	17.889	ug/l	98
18) Methyl Acetate	4.30	43	160658	22.670	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	323183	21.768	ug/l	99
20) Methylene Chloride	4.53	84	104321	19.600	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	94499	20.181	ug/l	95
22) Diisopropyl ether	5.93	45	362562	21.605	ug/l	94
23) Vinyl Acetate	5.87	43	1517464	112.547	ug/l	100
24) 1,1-Dichloroethane	5.82	63	199691	20.522	ug/l	100
25) 2-Butanone	6.81	43	437181	108.045	ug/l	98
26) 2,2-Dichloropropane	6.80	77	174379	20.718	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	110459	20.650	ug/l	99
28) Bromochloromethane	7.18	49	65499	20.211	ug/l	98
29) Tetrahydrofuran	7.19	42	271155	109.546	ug/l	99
30) Chloroform	7.36	83	194768	19.954	ug/l	99
31) Cyclohexane	7.63	56	173898	19.183	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	166248	20.207	ug/l	99
36) 1,1-Dichloropropene	7.77	75	143500	20.503	ug/l	100
37) Ethyl Acetate	6.91	43	167848	22.009	ug/l	99
38) Carbon Tetrachloride	7.75	117	142263	19.730	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158337	20.147	ug/l	98
40) Benzene	8.02	78	427751	20.812	ug/l	98
41) Methacrylonitrile	7.16	41	77190m	22.726	ug/l	
42) 1,2-Dichloroethane	8.11	62	157779	19.929	ug/l	100
43) Isopropyl Acetate	8.15	43	266306	21.773	ug/l	100
44) Trichloroethene	8.82	130	103791	20.731	ug/l	100
45) 1,2-Dichloropropane	9.10	63	120791	21.433	ug/l	100
46) Dibromomethane	9.20	93	73108	20.520	ug/l	97
47) Bromodichloromethane	9.39	83	150422	20.484	ug/l	98
48) Methyl methacrylate	9.19	41	116346	20.966	ug/l	97
49) 1,4-Dioxane	9.19	88	38253	419.928	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	840903	117.707	ug/l	99
52) Toluene	10.15	92	258705	21.226	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	169237	20.819	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	184286	21.219	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	105353	20.983	ug/l	98
56) Ethyl methacrylate	10.42	69	158805	20.137	ug/l	99
57) 1,3-Dichloropropane	10.70	76	184079	20.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	339353	98.790	ug/l	100
59) 2-Hexanone	10.75	43	634875	115.005	ug/l	99
60) Dibromochloromethane	10.90	129	111517	20.635	ug/l	99
61) 1,2-Dibromoethane	11.00	107	108899	21.194	ug/l	100
64) Tetrachloroethene	10.63	164	90768	20.612	ug/l	97
65) Chlorobenzene	11.43	112	273033	21.328	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	104066	21.542	ug/l	100
67) Ethyl Benzene	11.51	91	496206	22.096	ug/l	98
68) m/p-Xylenes	11.62	106	361385	43.393	ug/l	99
69) o-Xylene	11.95	106	173112	21.795	ug/l	100
70) Styrene	11.96	104	282029	20.291	ug/l	99
71) Bromoform	12.13	173	79553	21.237	ug/l #	98
73) Isopropylbenzene	12.25	105	469616	21.742	ug/l	99
74) N-amyl acetate	12.07	43	215417	21.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	168015	22.123	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	155211m	22.659	ug/l	
77) Bromobenzene	12.53	156	113859	21.387	ug/l	100
78) n-propylbenzene	12.59	91	556820	21.809	ug/l	100
79) 2-Chlorotoluene	12.68	91	335885	21.495	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	398780	21.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56540	21.503	ug/l	100
82) 4-Chlorotoluene	12.78	91	337957	21.164	ug/l	100
83) tert-Butylbenzene	13.00	119	334828	21.576	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	400584	22.380	ug/l	99
85) sec-Butylbenzene	13.17	105	457773	22.125	ug/l	98
86) p-Isopropyltoluene	13.29	119	408732	22.389	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	202847	21.309	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	196252	20.591	ug/l	99
89) n-Butylbenzene	13.62	91	353793	21.097	ug/l	99
90) Hexachloroethane	13.88	117	77461	20.940	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	200399	21.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35819	20.852	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	104102	19.304	ug/l	97
94) Hexachlorobutadiene	15.01	225	64398	21.236	ug/l	98
95) Naphthalene	15.13	128	290907	18.645	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	106660	20.105	ug/l	99

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

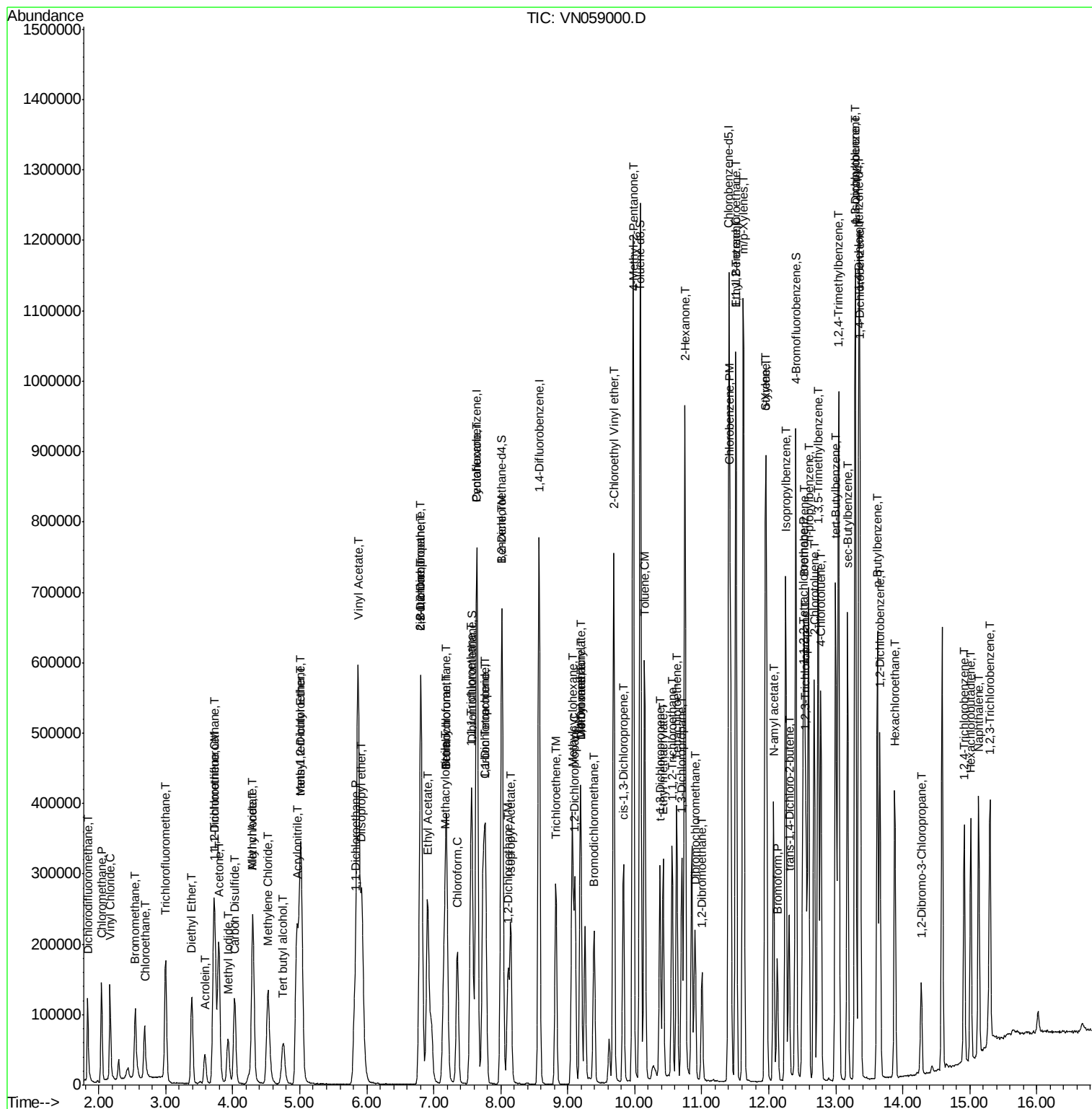
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Data File : VN059000.D
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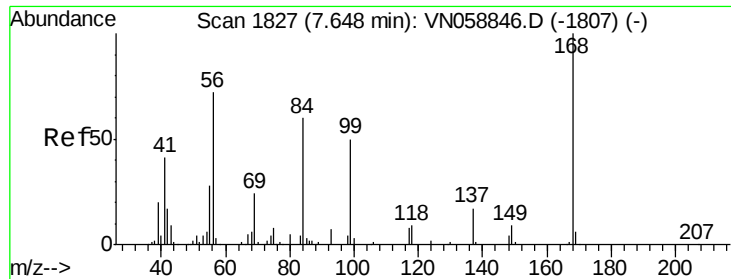
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion:168 Resp: 430100

Ion Ratio Lower Upper

168 100

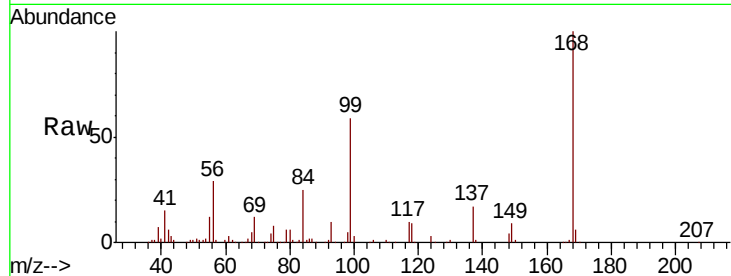
99 58.8 48.1 72.1

Manual Integrations

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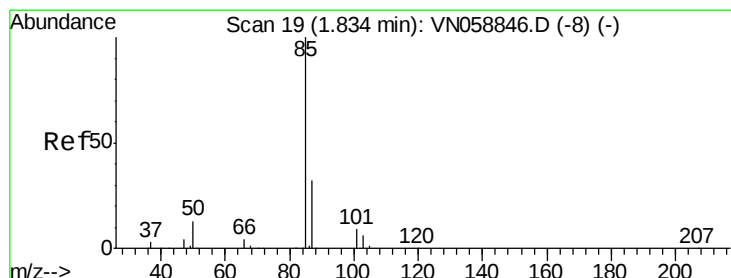
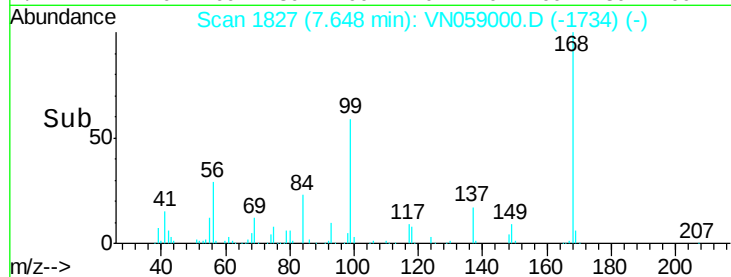
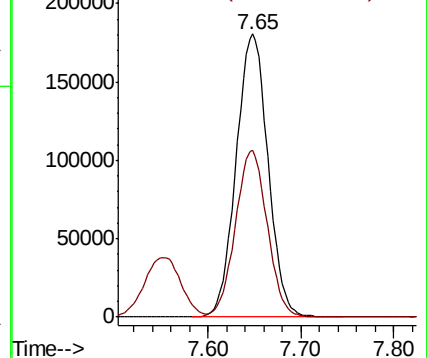
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.252 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059000.D

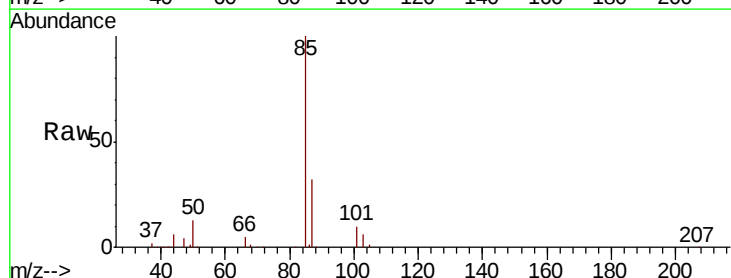
Acq: 29 Oct 2019 11:21

Tgt Ion: 85 Resp: 97875

Ion Ratio Lower Upper

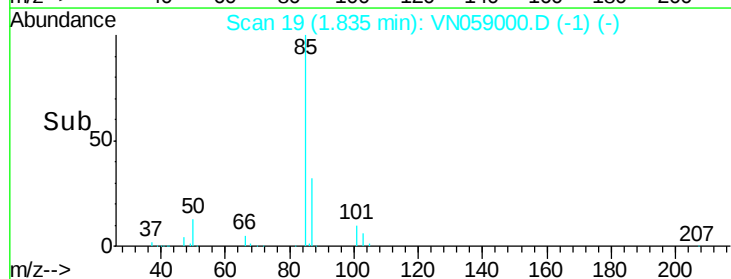
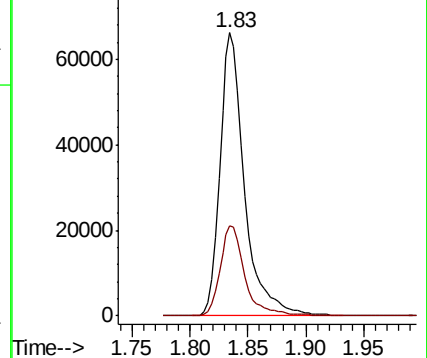
85 100

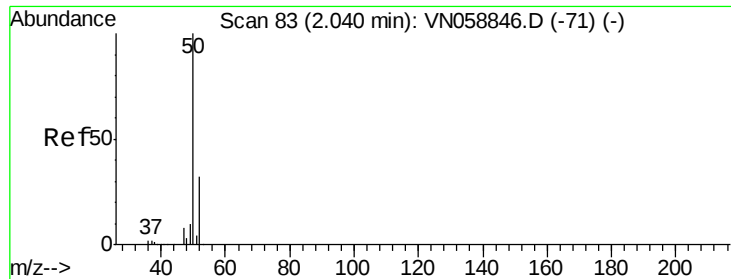
87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.450 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 50 Resp: 122536

Ion Ratio Lower Upper

50 100

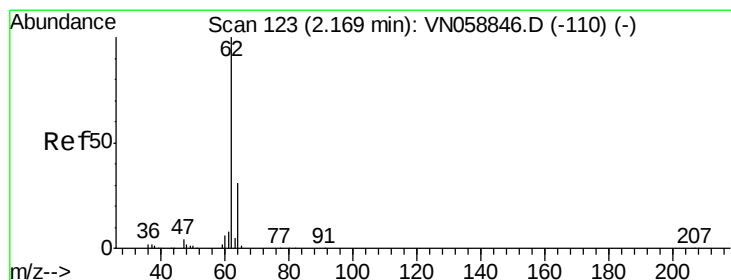
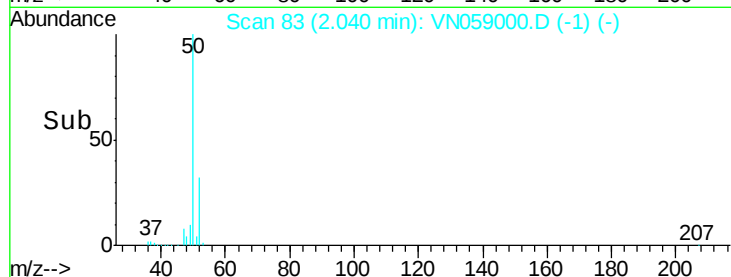
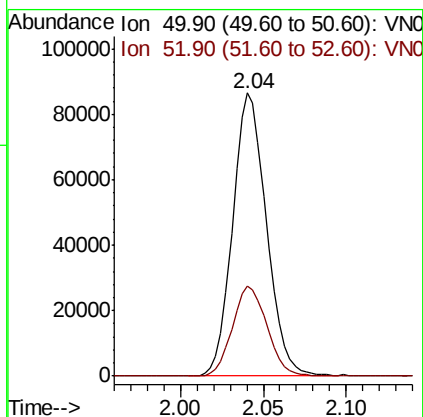
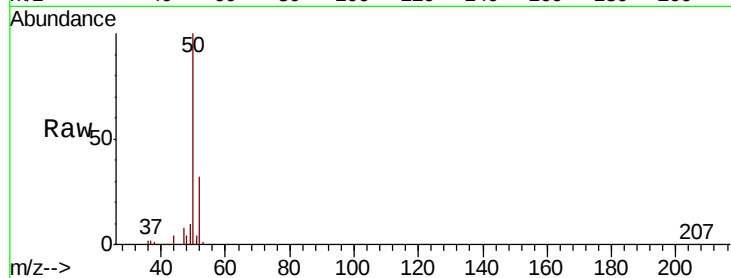
52 31.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.240 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059000.D

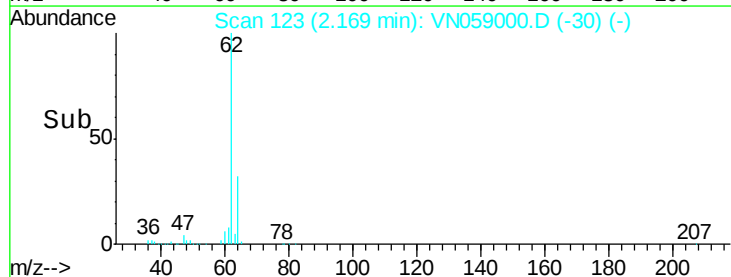
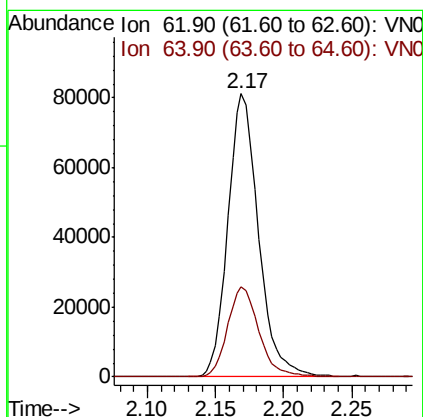
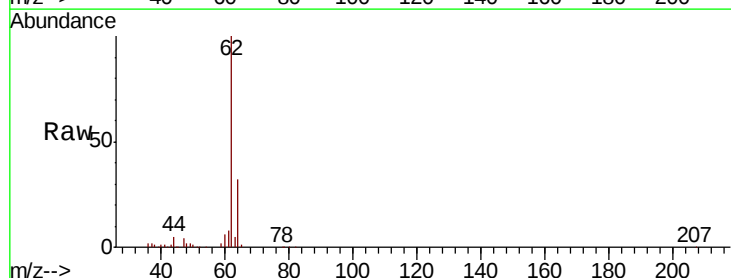
Acq: 29 Oct 2019 11:21

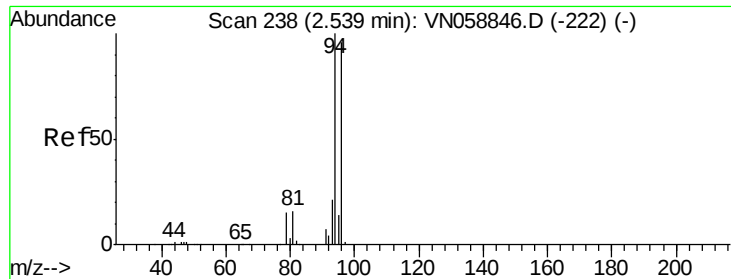
Tgt Ion: 62 Resp: 126878

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 17.919 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 73998

Ion Ratio Lower Upper

94 100

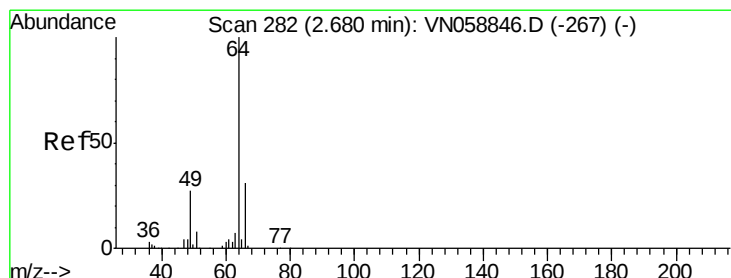
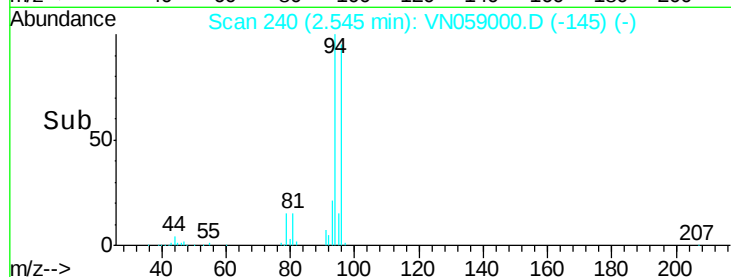
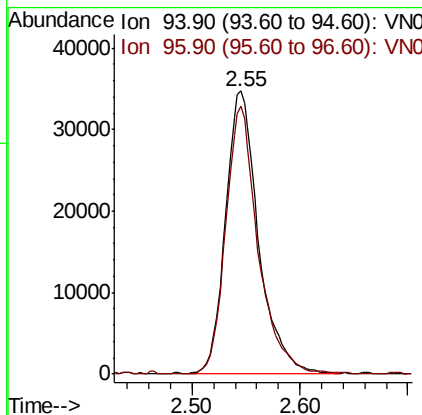
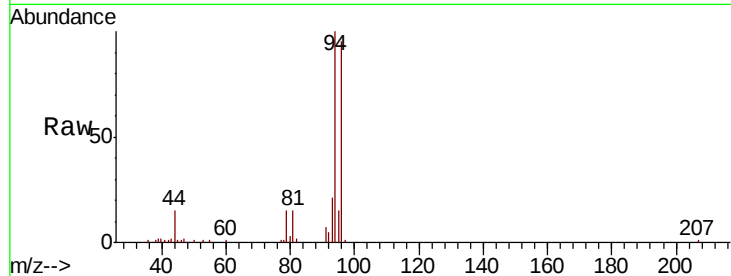
96 94.5 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 18.201 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059000.D

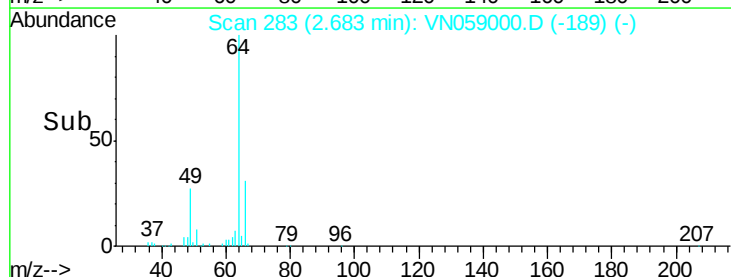
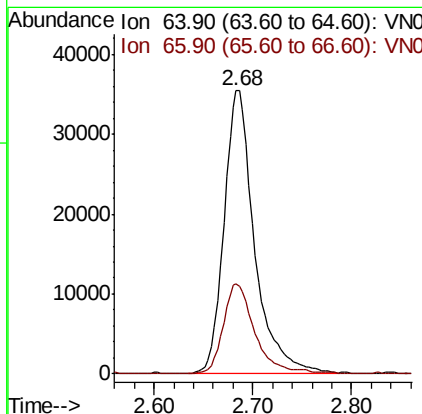
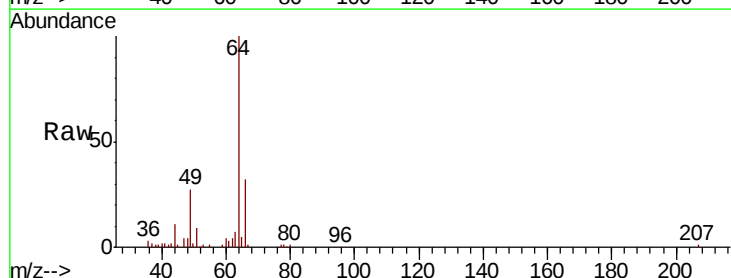
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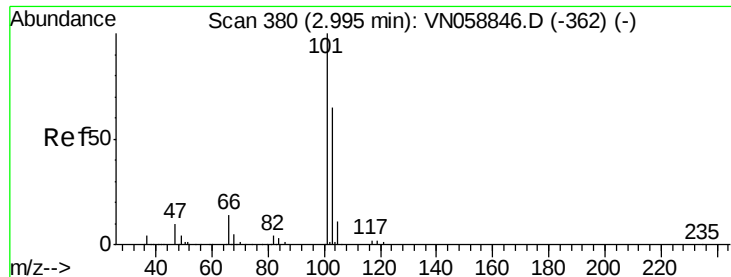
Tgt Ion: 64 Resp: 76969

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4





#7

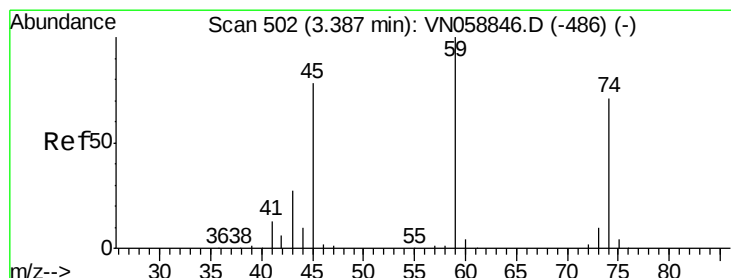
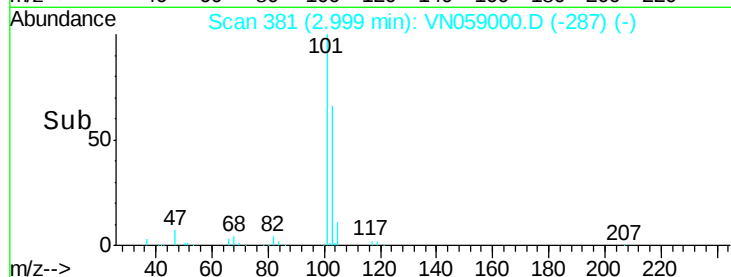
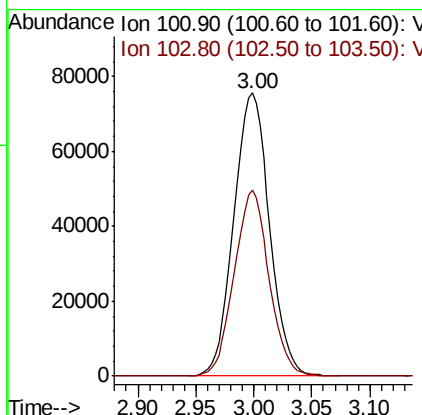
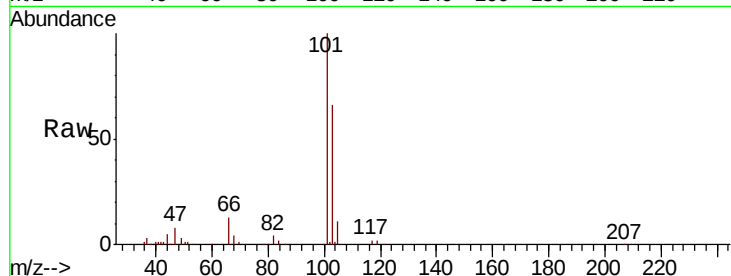
Trichlorofluoromethane
Concen: 19.758 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.2	78.2

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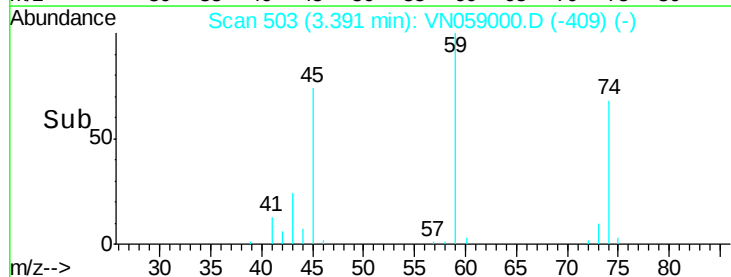
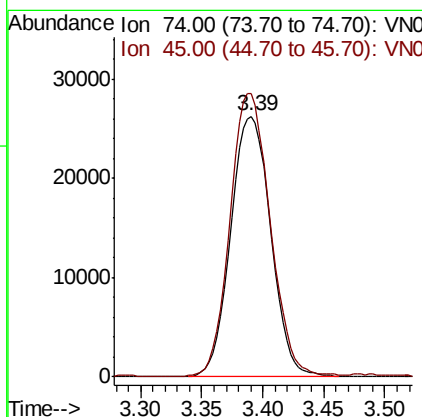
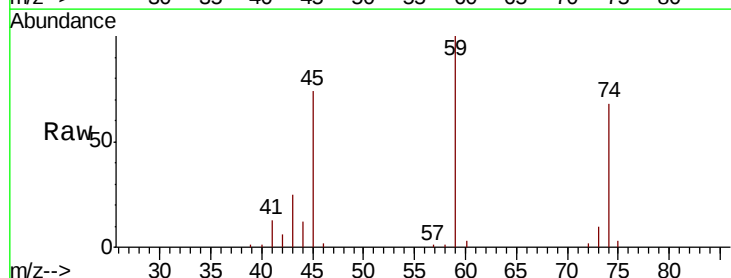
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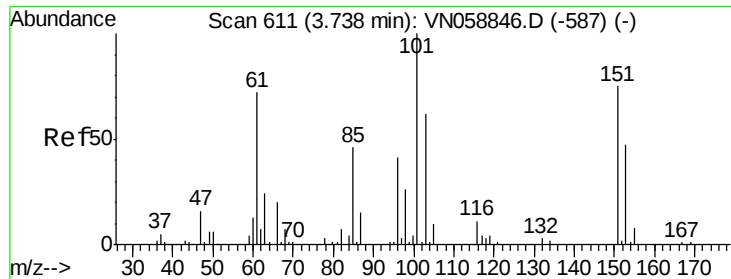


#8

Diethyl Ether
Concen: 21.228 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.6	54.9	164.5





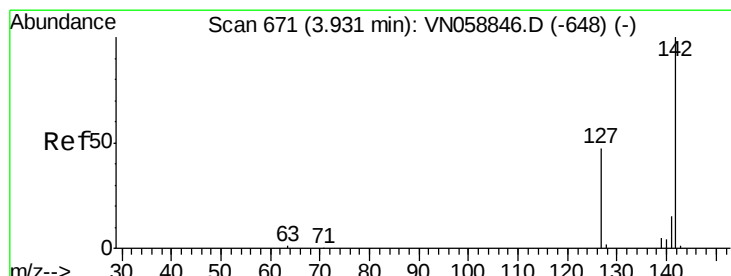
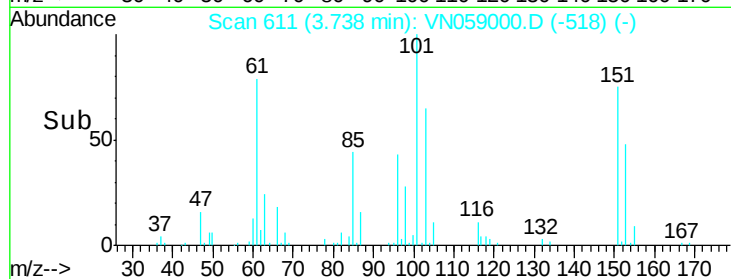
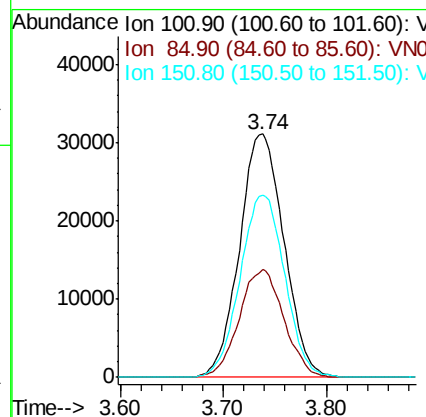
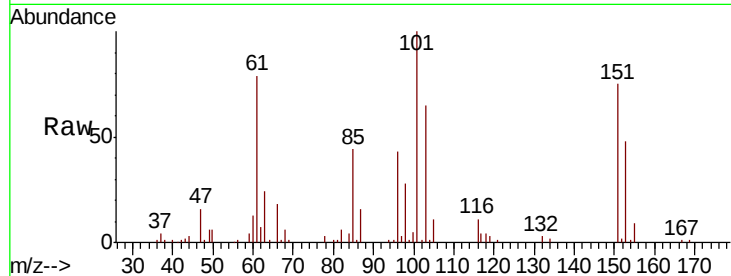
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.583 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.5	37.2	55.8
151	75.3	59.9	89.9

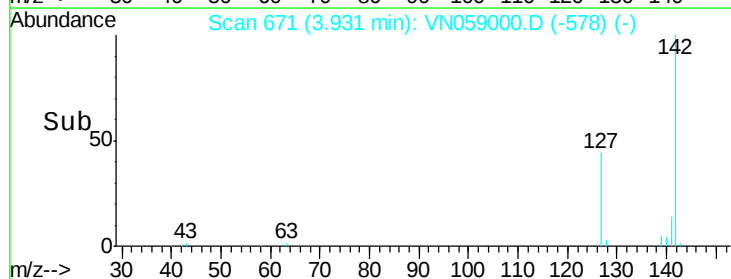
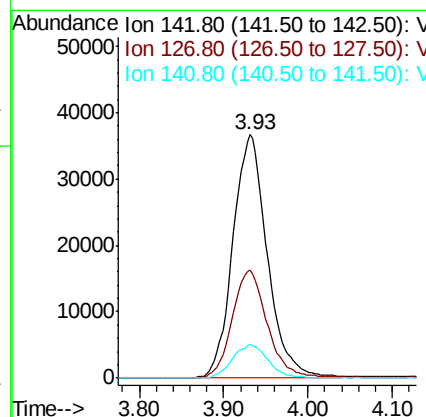
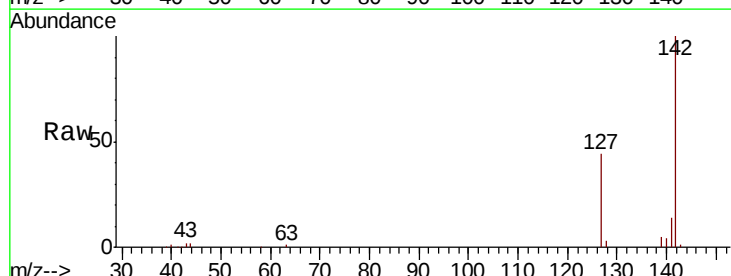
Manual Integrations
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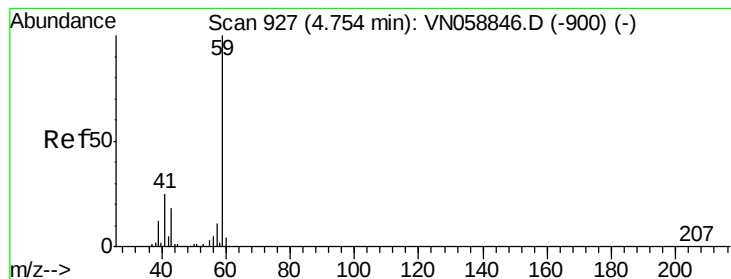
MMDadoda
 10/30/2019 3:53:40 PM



#10
 Methyl Iodide
 Concen: 17.526 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.9	36.6	54.8
141	14.1	11.4	17.2





#11

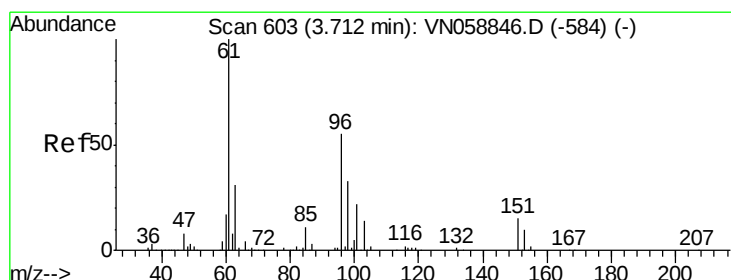
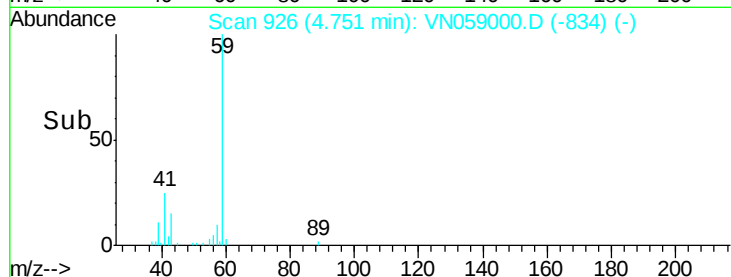
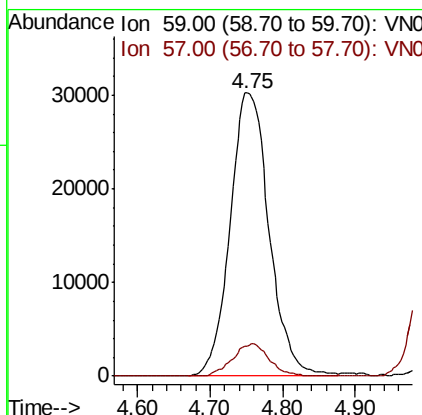
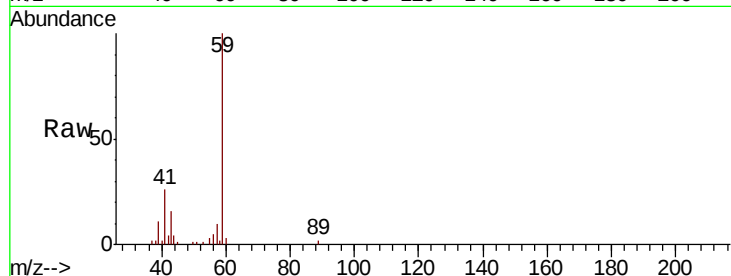
Tert butyl alcohol
Concen: 107.995 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	59.00	Resp	113049
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Manual Integrations
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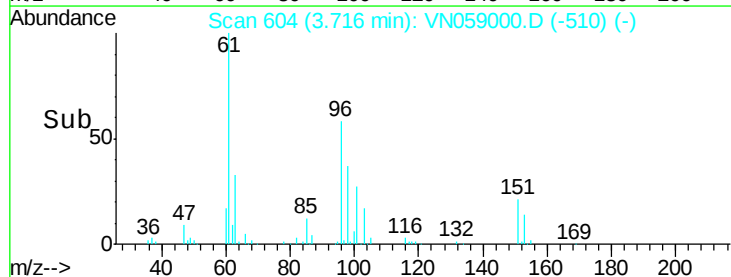
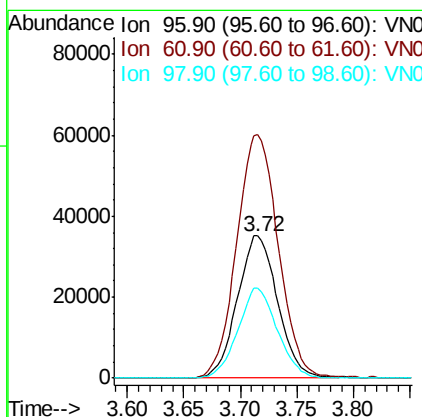
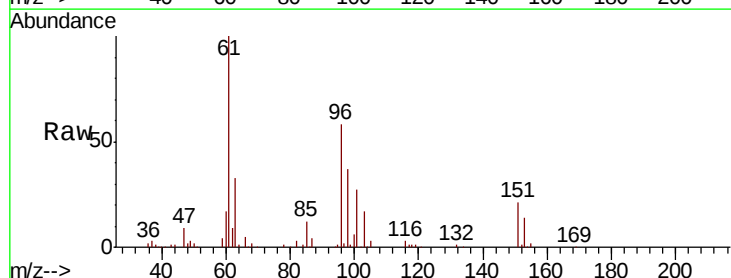
MMDadoda
10/30/2019 3:53:40 PM

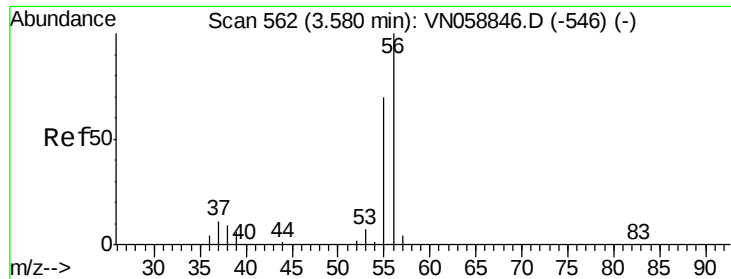


#12

1,1-Dichloroethene
Concen: 20.557 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	96.00	Resp	87159
Ion	Ratio	Lower	Upper
96	100		
61	171.0	146.2	219.2
98	63.4	48.7	73.1





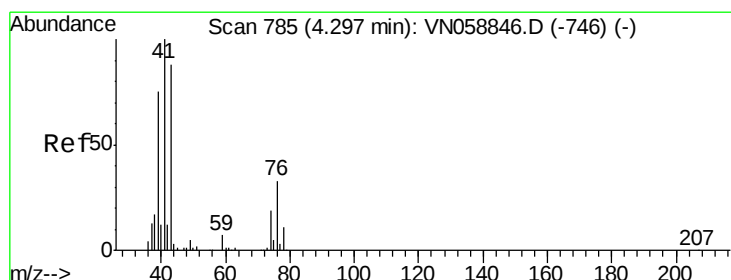
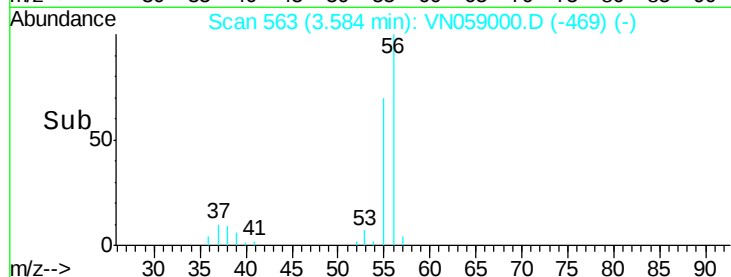
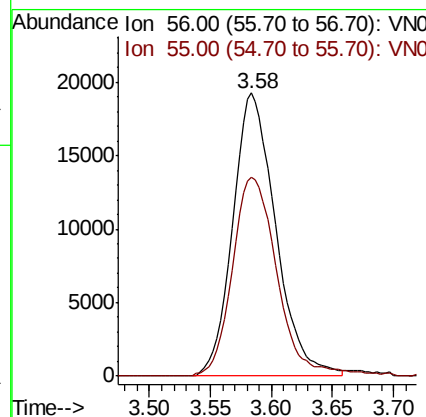
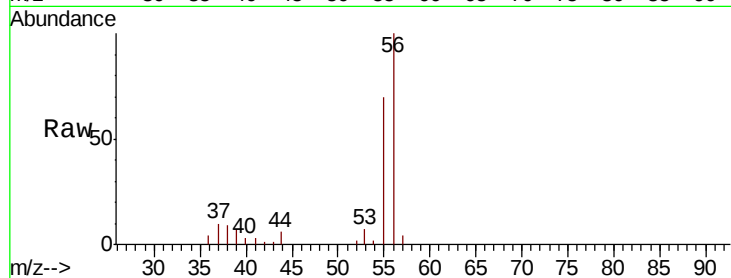
#13
Acrolein
Concen: 65.331 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	56	55	Resp	Lower	Upper
46990	100	73.3		56.6	85.0

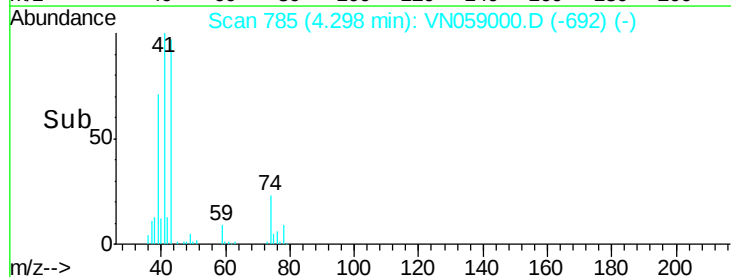
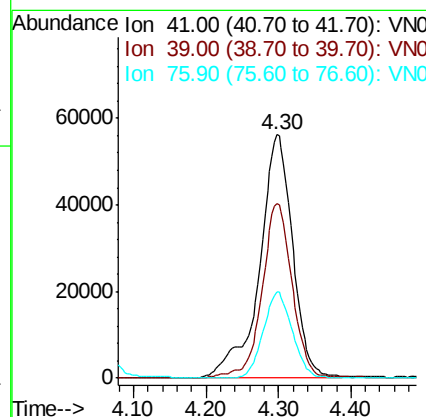
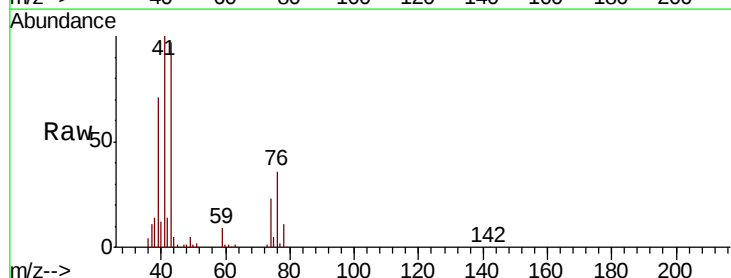
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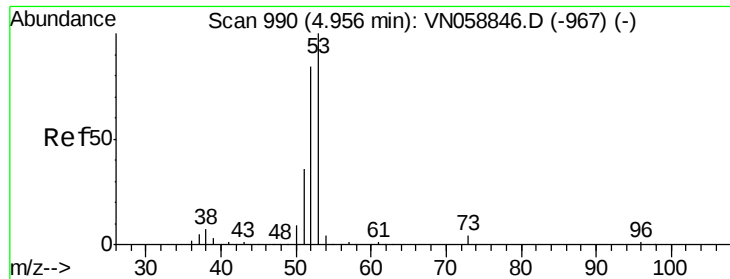
MMDadoda
10/30/2019 3:53:40 PM



#14
Allyl chloride
Concen: 20.889 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	41	39	76	Resp	Lower	Upper
179219	100	65.1	30.8		55.9	83.9





#15

Acrylonitrile

Concen: 112.367 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

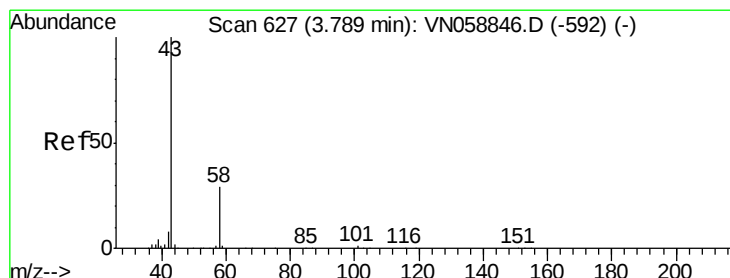
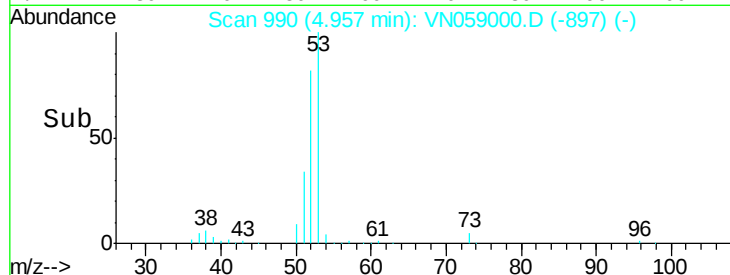
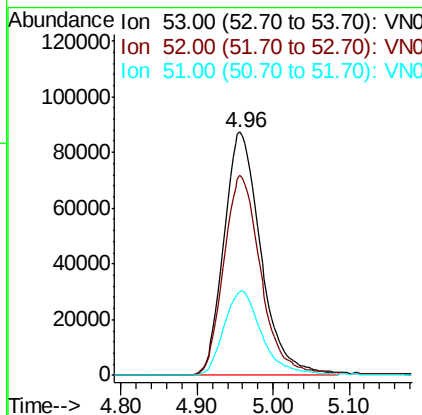
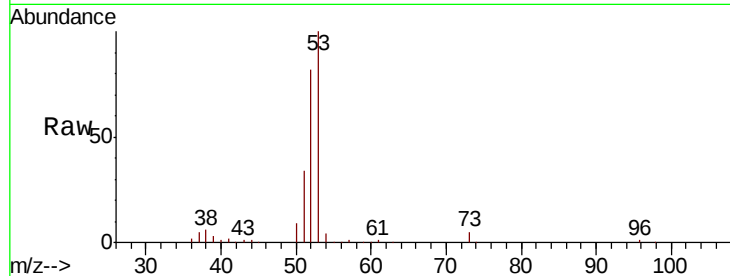
ClientSampleId :

VN1029WBS01

Tot Ion:	53	Resp:	295876
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.6	99.8
51	35.5	29.2	43.8

Manual Integrations
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10/30/2019 3:53:40 PM



#16

Acetone

Concen: 107.027 ug/l

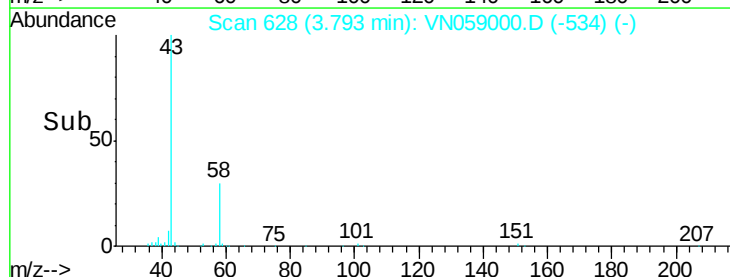
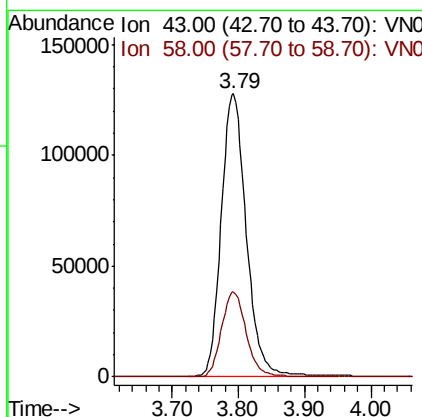
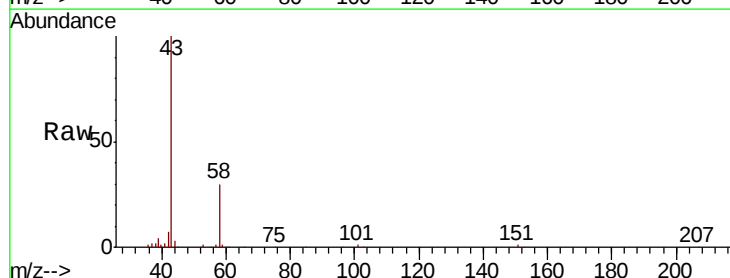
RT: 3.79 min Scan# 628

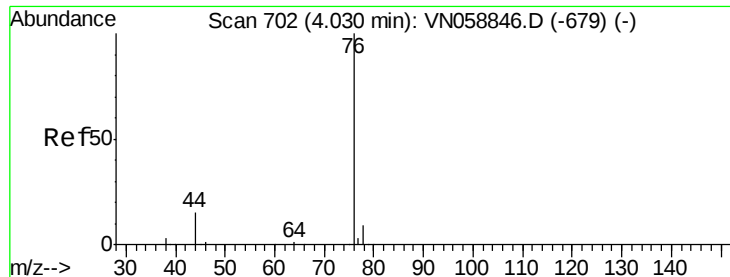
Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion:	43	Resp:	333611
Ion Ratio		Lower	Upper
43	100		
58	30.1	23.1	34.7





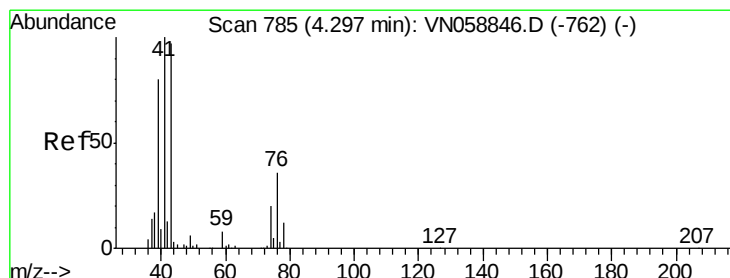
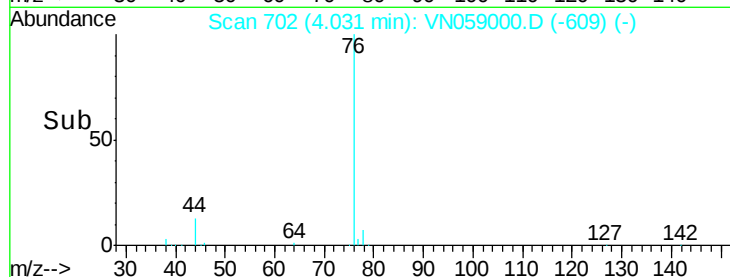
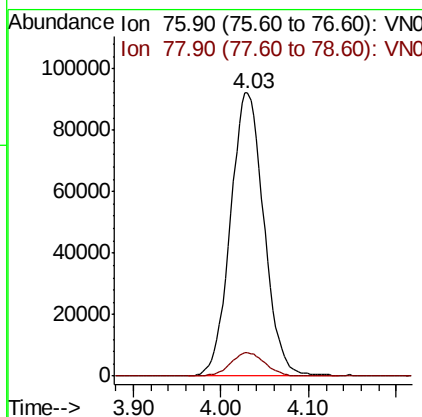
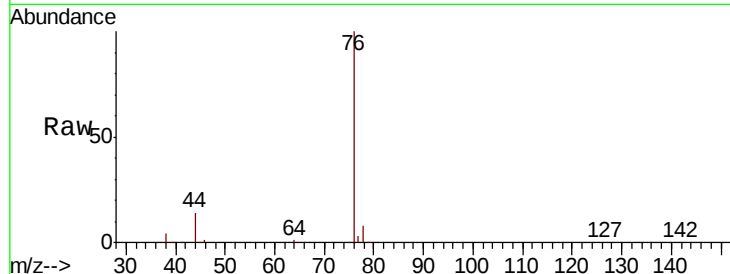
#17
Carbon Disulfide
Concen: 17.889 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.1	10.7

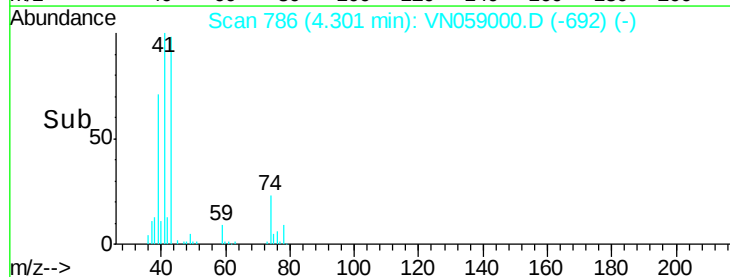
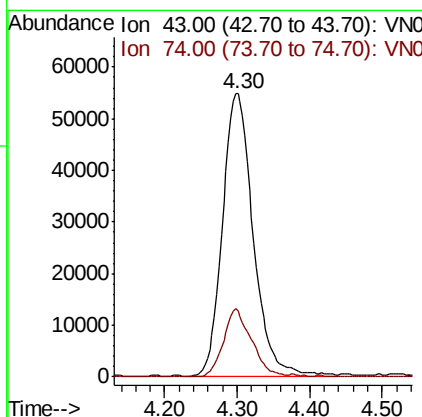
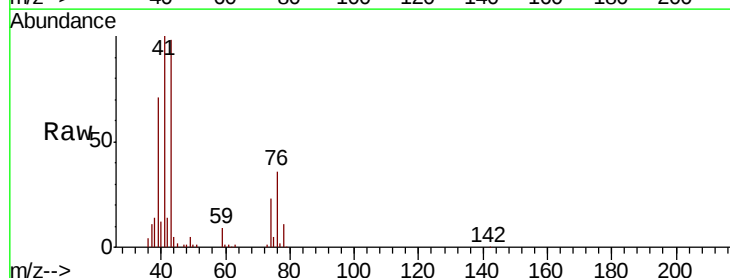
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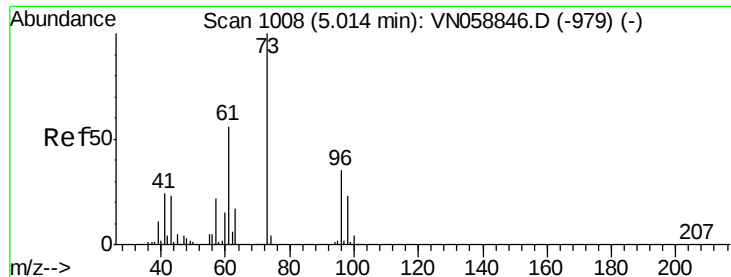
MMDadoda
10/30/2019 3:53:40 PM



#18
Methyl Acetate
Concen: 22.670 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.1	25.7





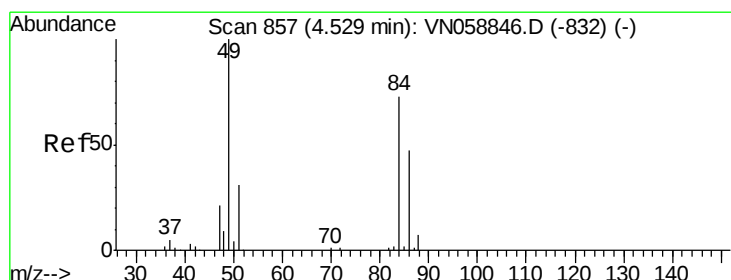
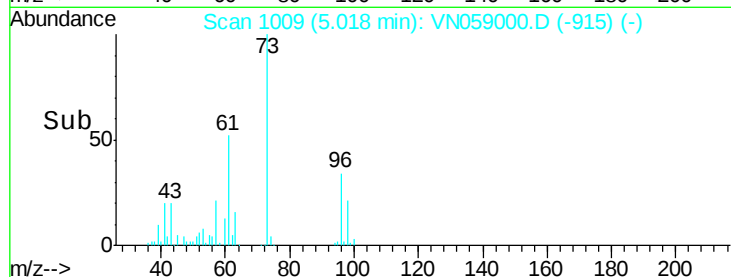
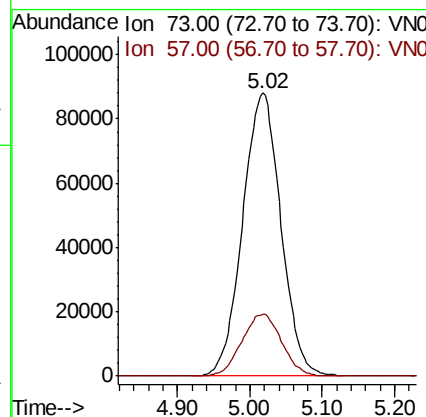
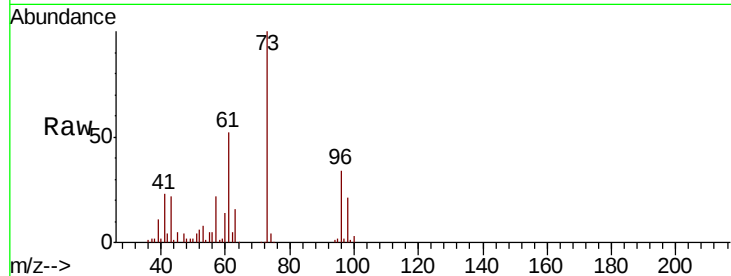
#19
Methvl tert-butvl Ether
Concen: 21.768 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion: 73 Resp: 323183
Ion Ratio Lower Upper
73 100
57 21.7 17.9 26.9

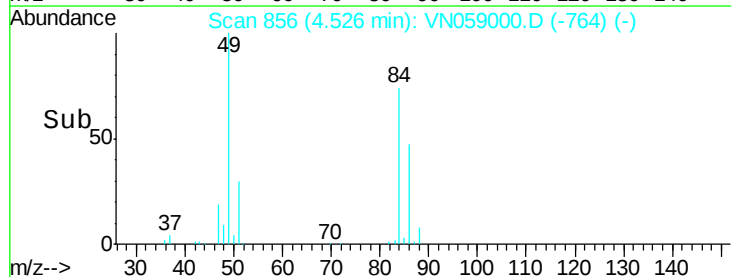
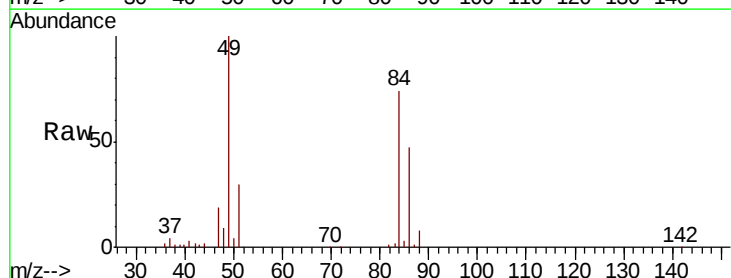
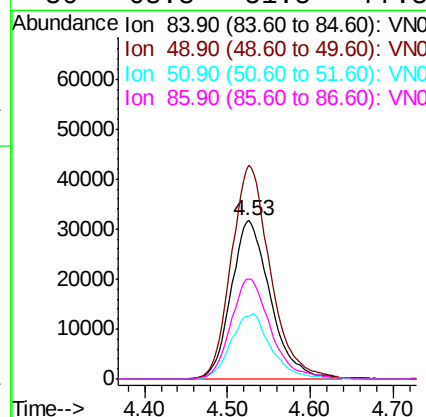
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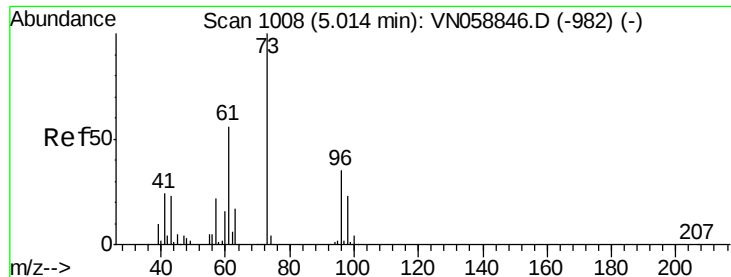
MMDadoda
10/30/2019 3:53:40 PM



#20
Methylene Chloride
Concen: 19.600 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 84 Resp: 104321
Ion Ratio Lower Upper
84 100
49 134.4 109.6 164.4
51 39.3 33.8 50.6
86 63.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.181 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 96 Resp: 94499

Ion Ratio Lower Upper

96 100

61 152.2 126.7 190.1

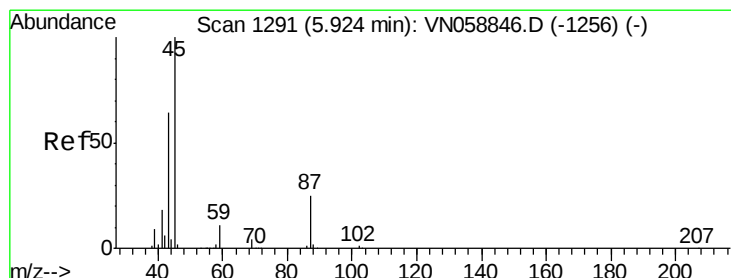
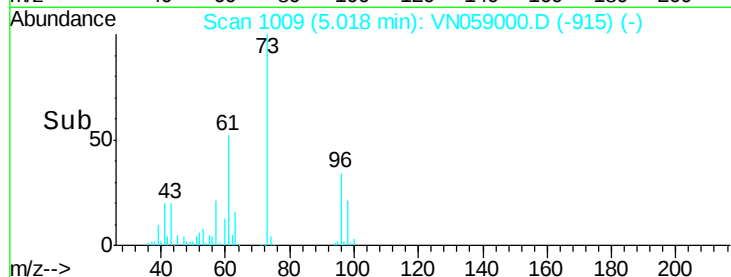
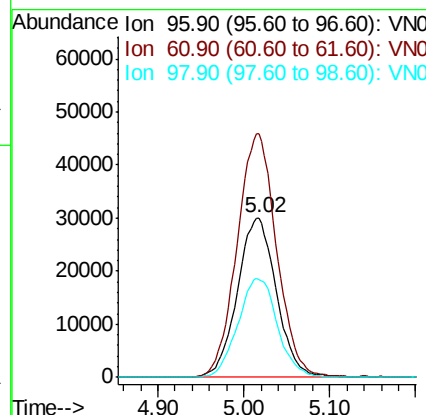
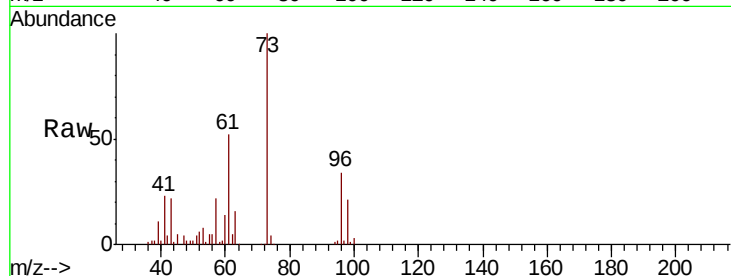
98 61.3 52.0 78.0

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#22

Diisopropyl ether

Concen: 21.605 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion: 45 Resp: 362562

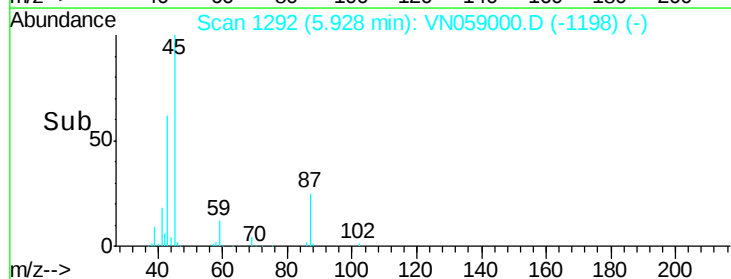
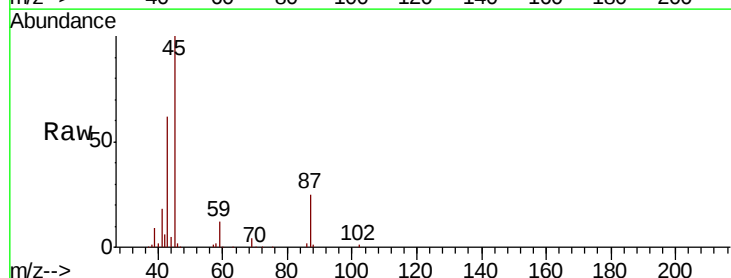
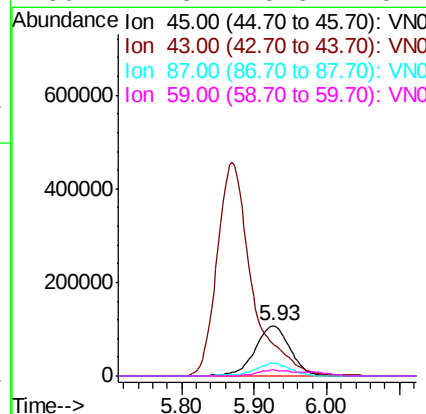
Ion Ratio Lower Upper

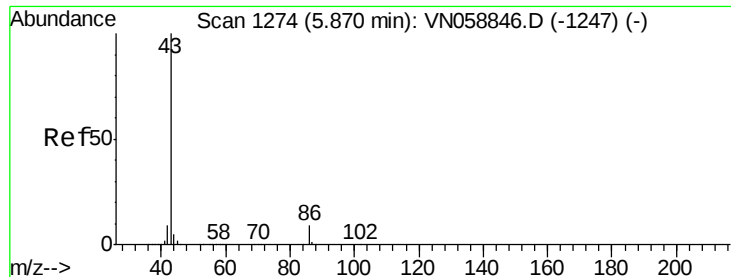
45 100

43 59.6 52.9 79.3

87 25.0 20.2 30.4

59 11.3 8.8 13.2





#23

Vinyl Acetate

Concen: 112.547 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 43 Resp: 1517464

Ion Ratio Lower Upper

43 100

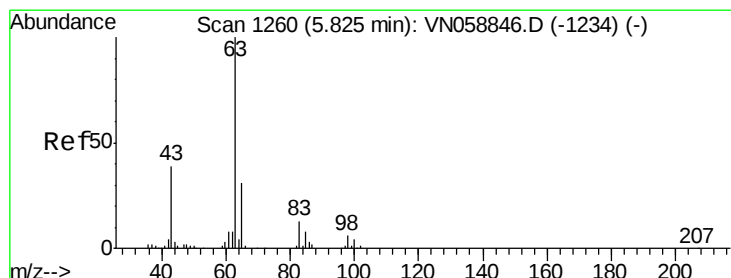
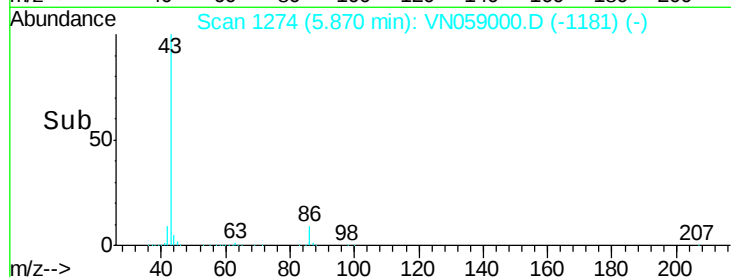
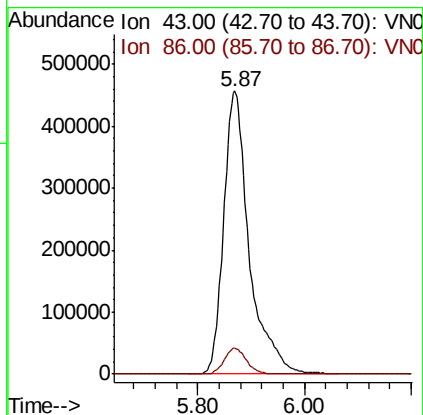
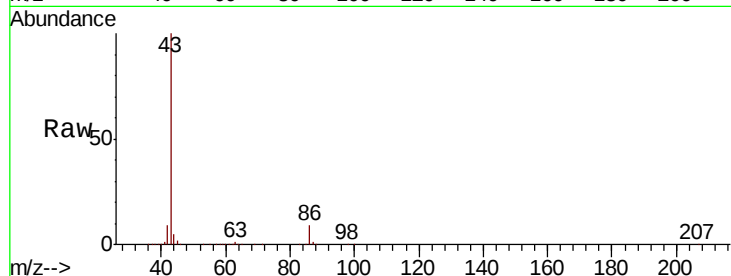
86 9.2 7.2 10.8

Manual Integrations

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10/30/2019 3:53:40 PM



#24

1,1-Dichloroethane

Concen: 20.522 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

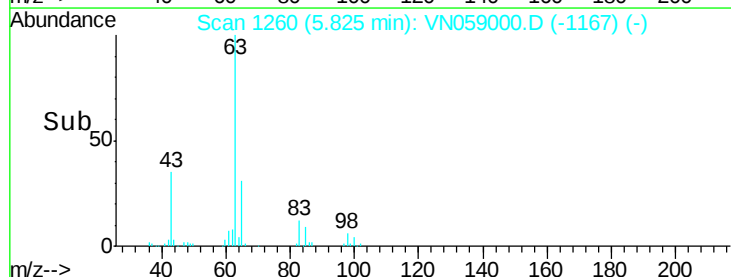
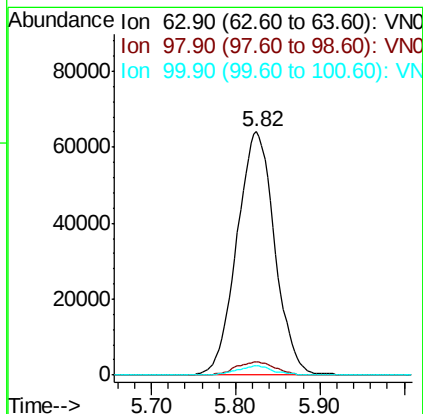
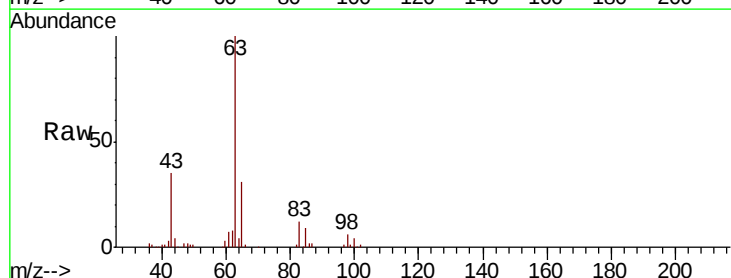
Tgt Ion: 63 Resp: 199691

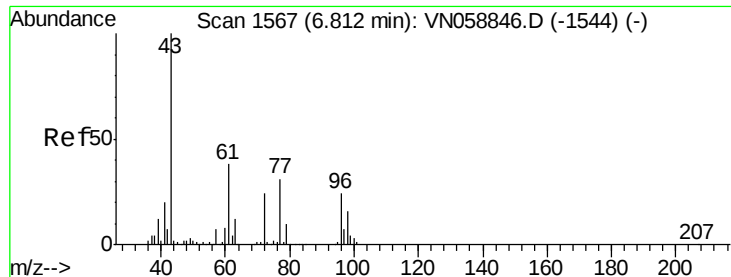
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 108.045 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 43 Resp: 437181

Ion Ratio Lower Upper

43 100

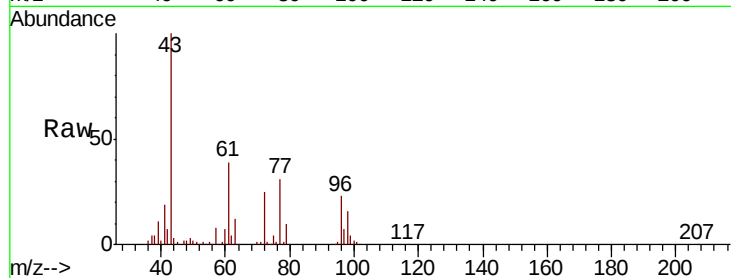
72 24.7 19.1 28.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

150000

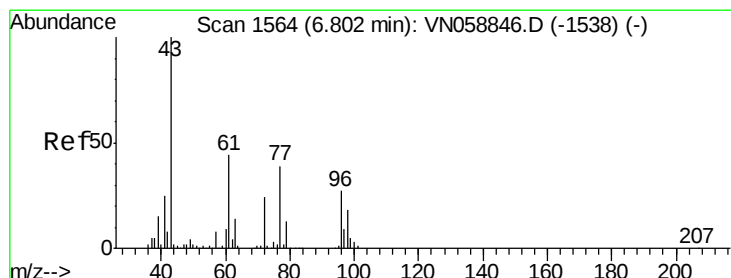
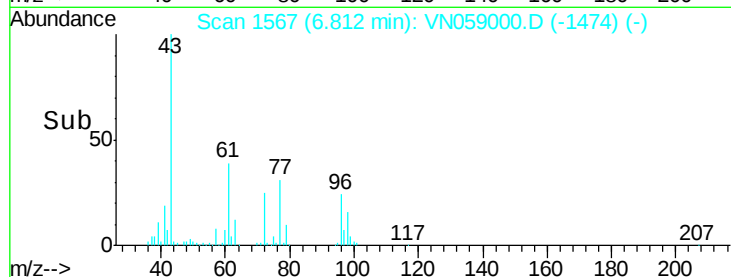
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 20.718 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059000.D

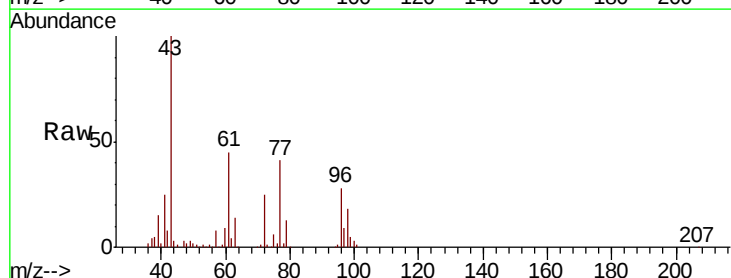
Acq: 29 Oct 2019 11:21

Tgt Ion: 77 Resp: 174379

Ion Ratio Lower Upper

77 100

97 21.5 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

60000

50000

40000

30000

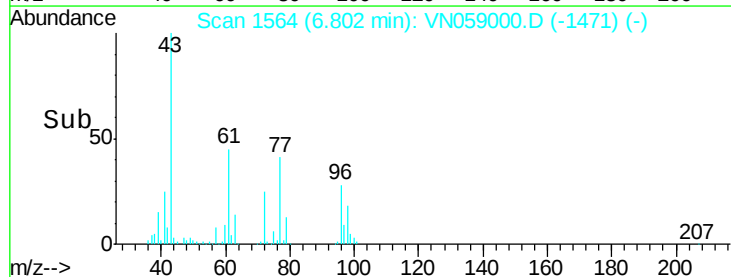
20000

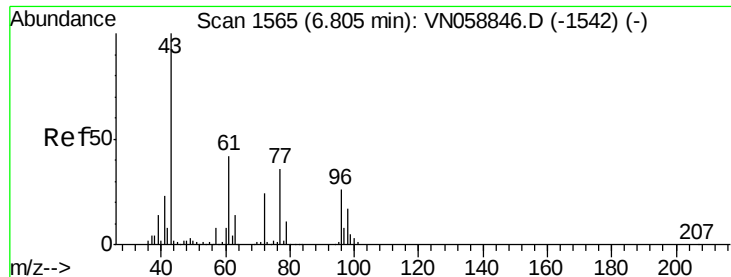
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.650 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

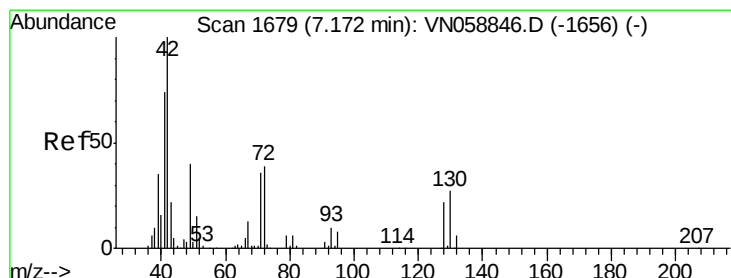
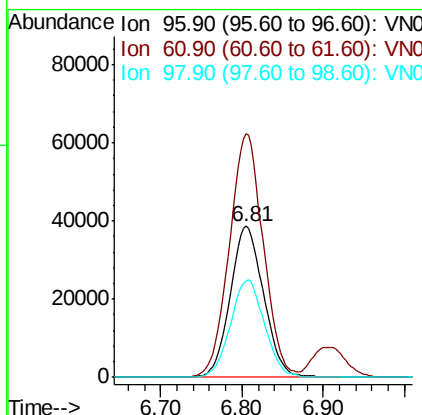
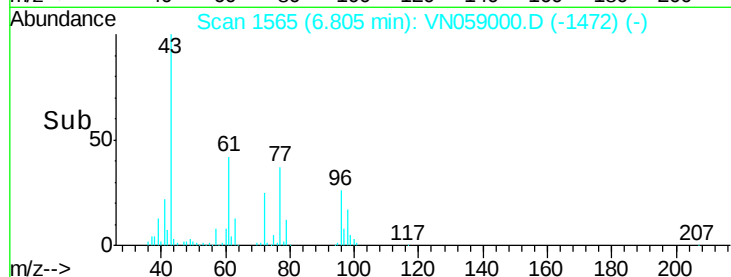
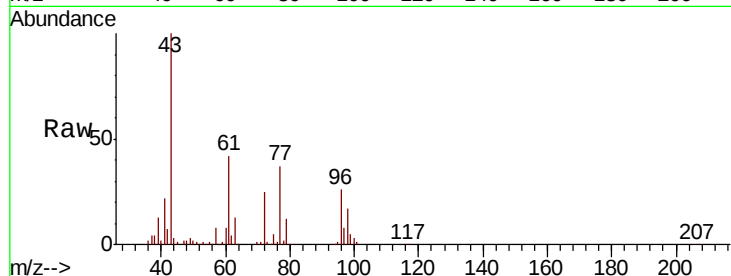
ClientSampleId :

VN1029WBS01

Tot Ion:	96	Resp:	110459
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	325.0
98	65.4	0.0	128.0

Manual Integrations
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10/30/2019 3:53:40 PM



#28

Bromochloromethane

Concen: 20.211 ug/l

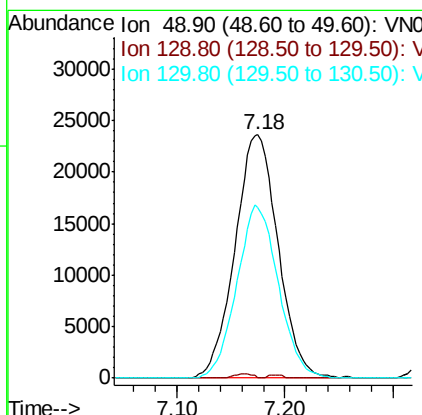
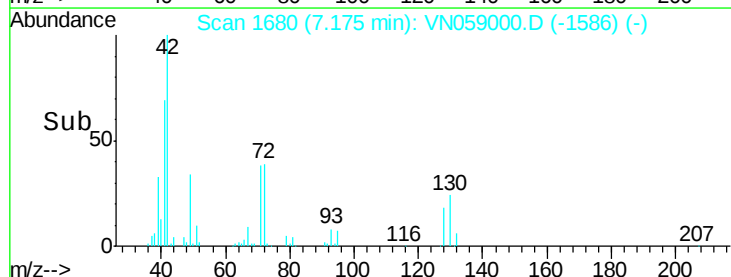
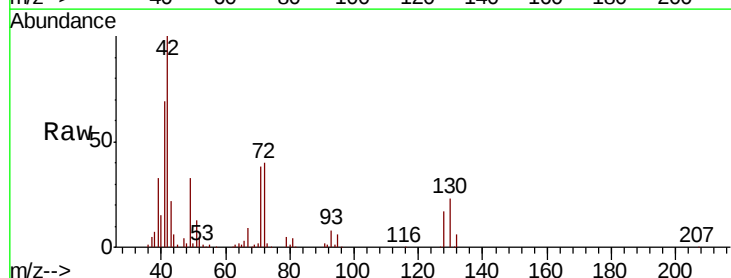
RT: 7.18 min Scan# 1680

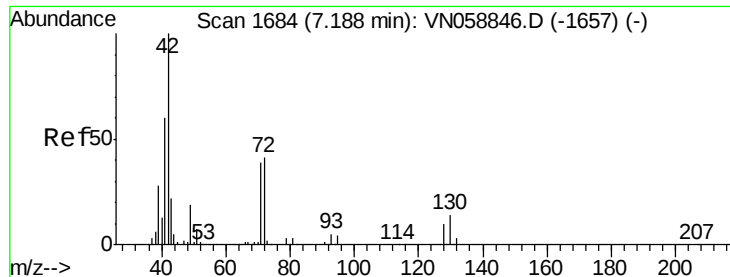
Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion:	49	Resp:	65499
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.2
130	68.6	53.5	80.3





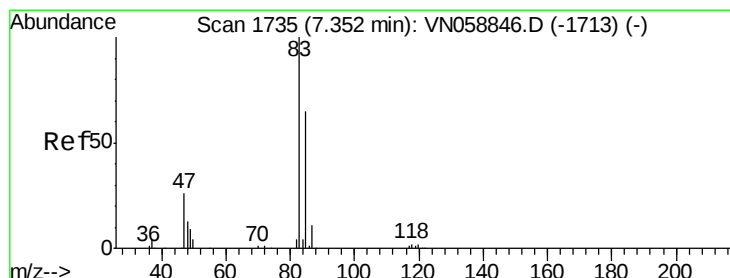
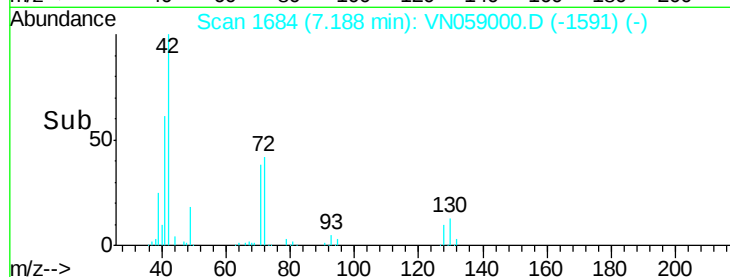
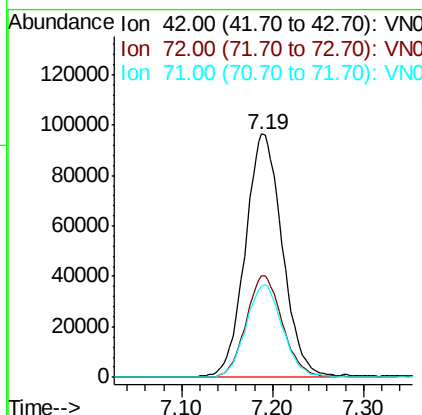
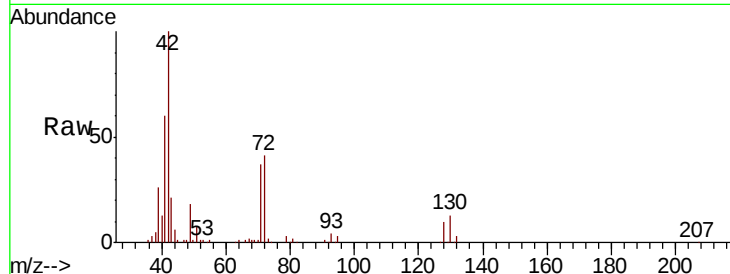
#29
Tetrahydrofuran
Concen: 109.546 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.2	48.2
71	37.8	30.6	45.8

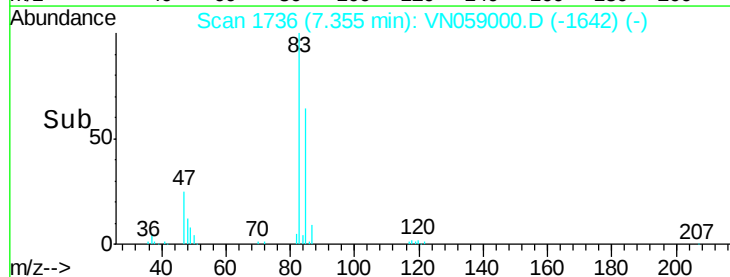
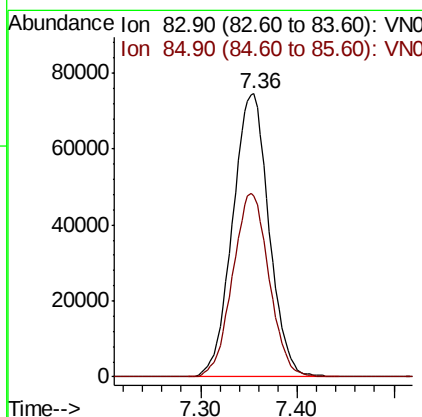
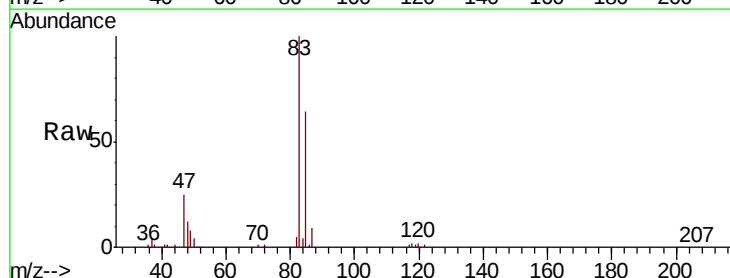
Manual Integrations
APPROVED

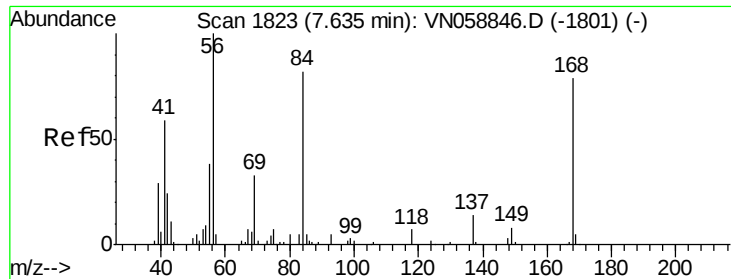
MMDadoda
10/30/2019 3:53:40 PM



#30
Chloroform
Concen: 19.954 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.9	77.9





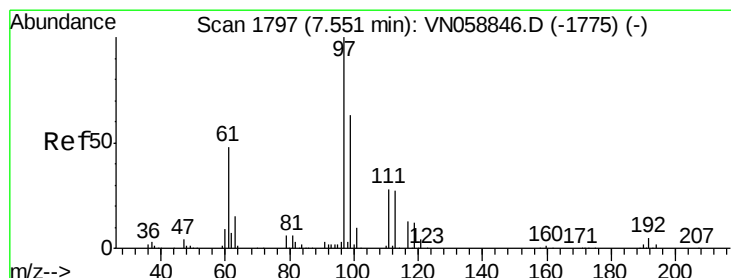
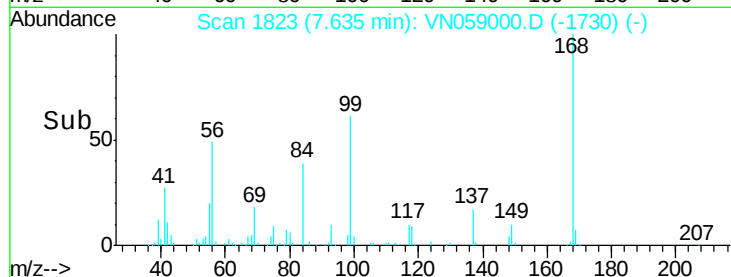
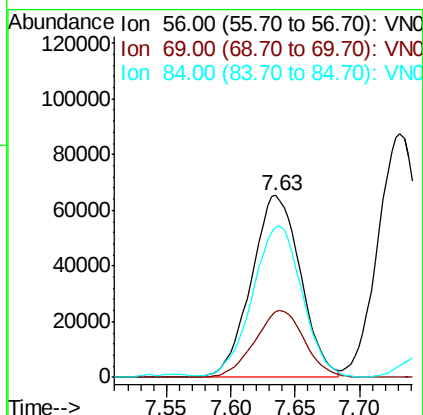
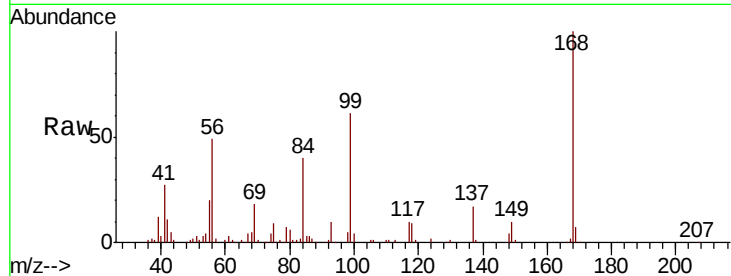
#31
Cyclohexane
Concen: 19.183 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.2	39.4
84	81.6	65.6	98.4

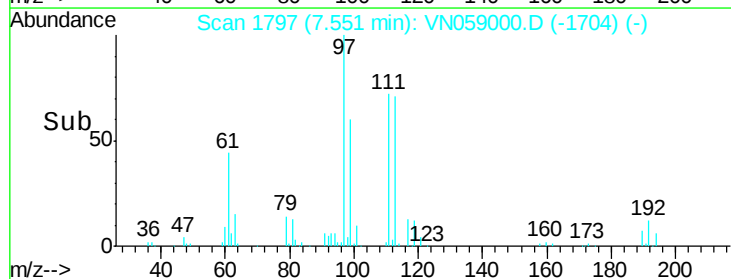
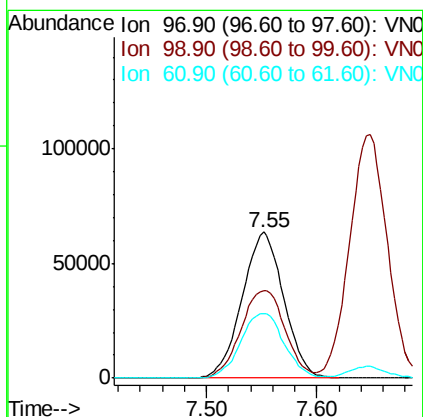
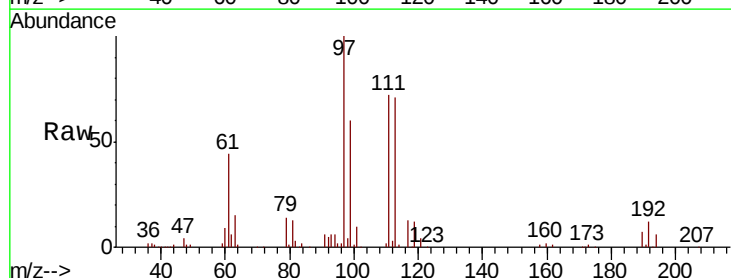
Manual Integrations
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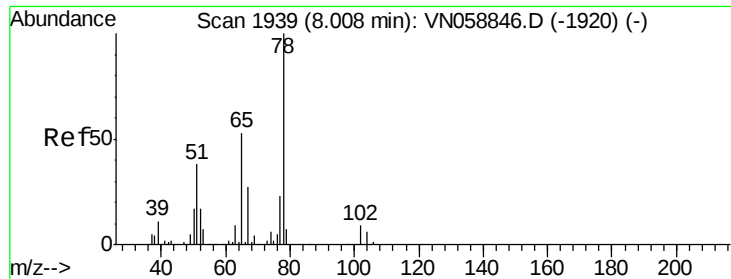
MMDadoda
10/30/2019 3:53:40 PM



#32
1,1,1-Trichloroethane
Concen: 20.207 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	46.6	38.6	58.0





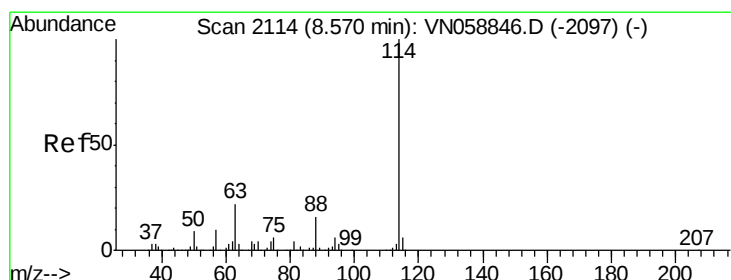
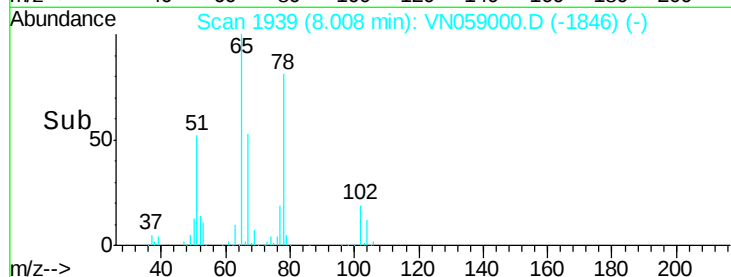
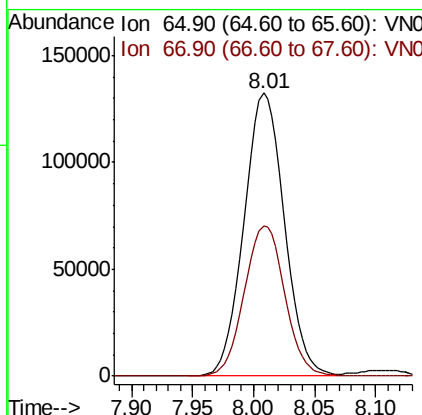
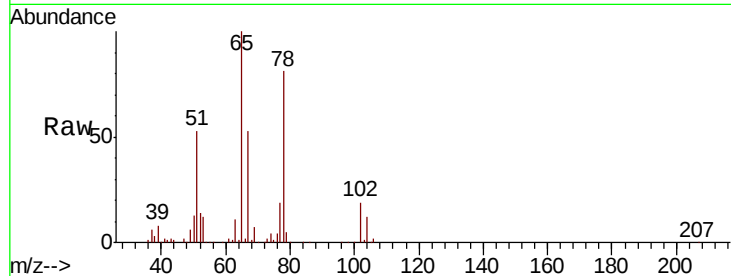
#33
 1,2-Dichloroethane-d4
 Concen: 48.123 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	103.2	

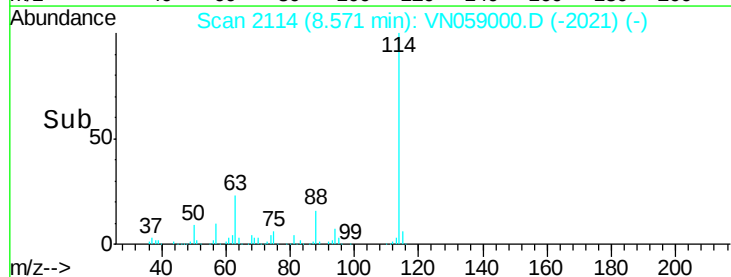
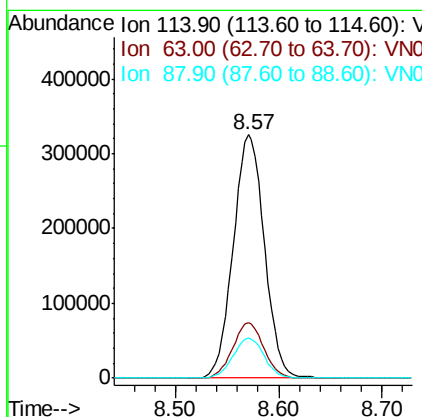
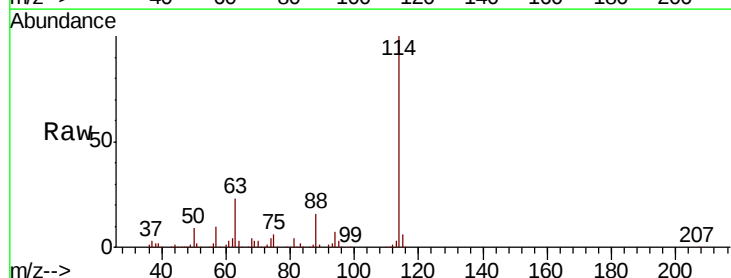
Manual Integrations
 APPROVED

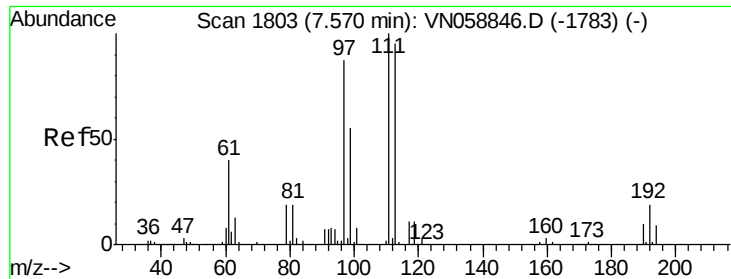
MMDadoda
 10/30/2019 3:53:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	44.4	
88	16.2	0.0	31.4	





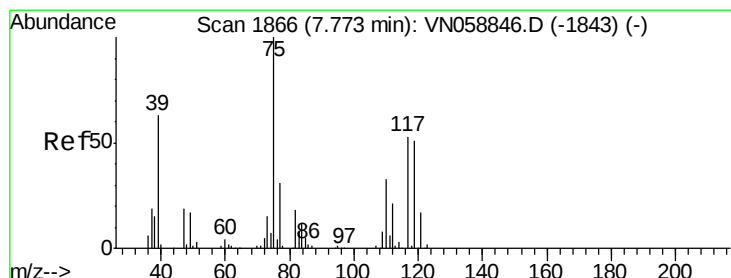
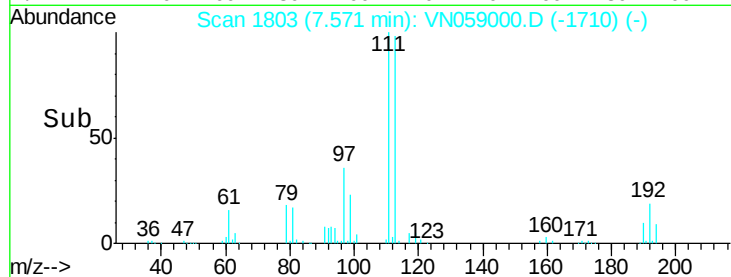
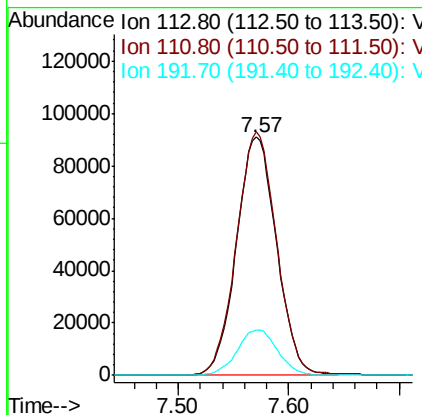
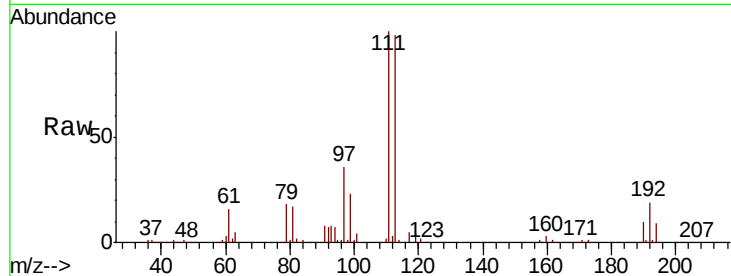
#35
Dibromofluoromethane
Concen: 51.035 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	229390		
111	102.2	82.0	123.0	
192	19.3	15.0	22.6	

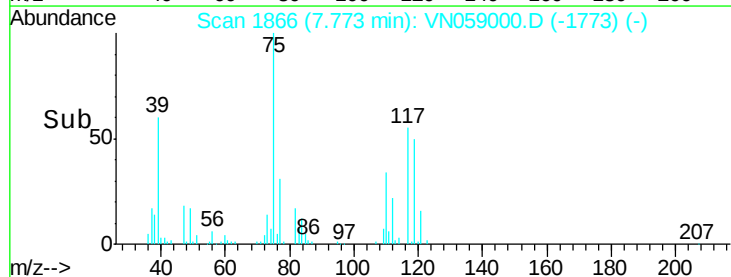
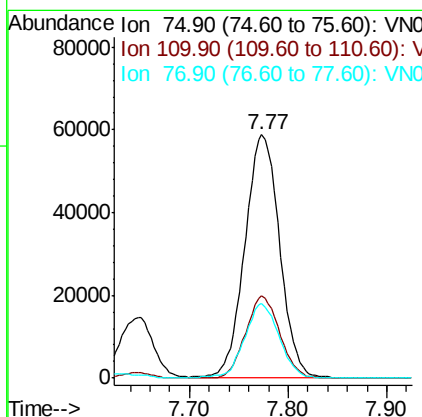
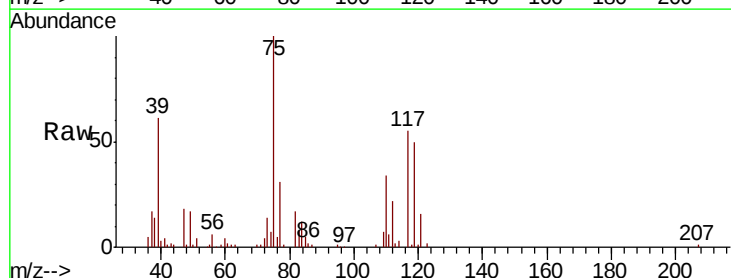
Manual Integrations
APPROVED

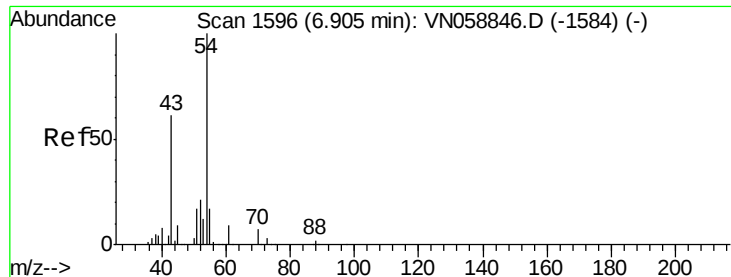
MMDadoda
10/30/2019 3:53:40 PM



#36
1,1-Dichloropropene
Concen: 20.503 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143500		
110	33.0	16.3	48.9	
77	30.6	24.6	36.8	





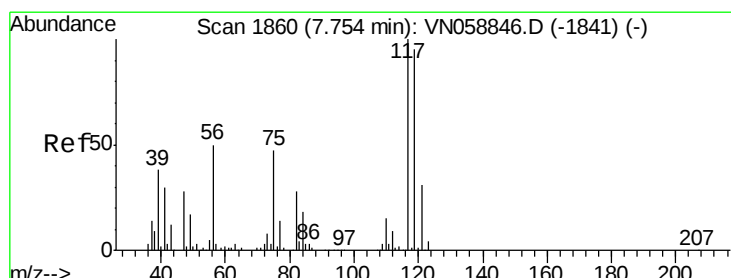
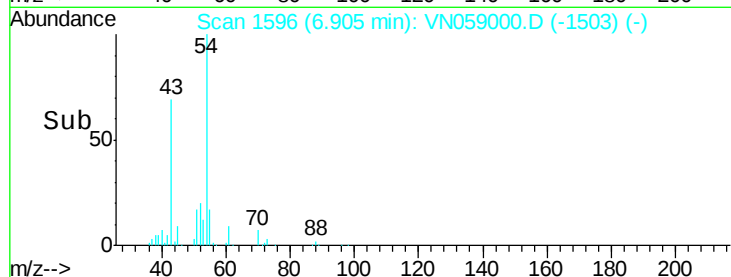
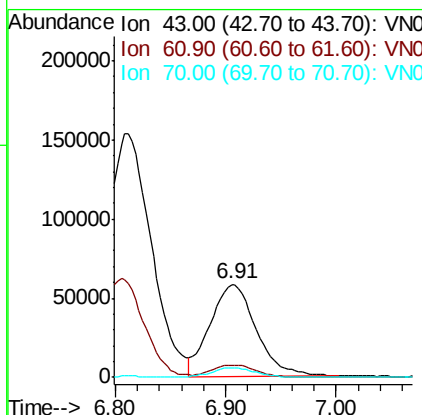
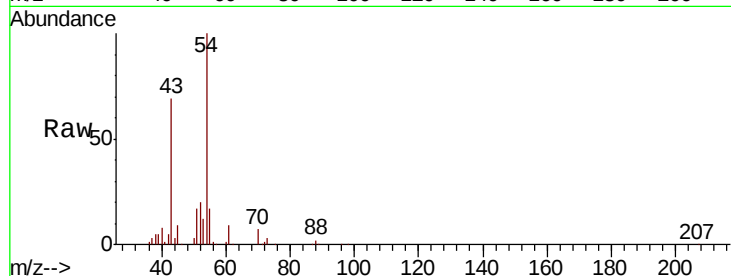
#37
Ethyl Acetate
Concen: 22.009 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.5	15.7
70	10.0	7.6	11.4

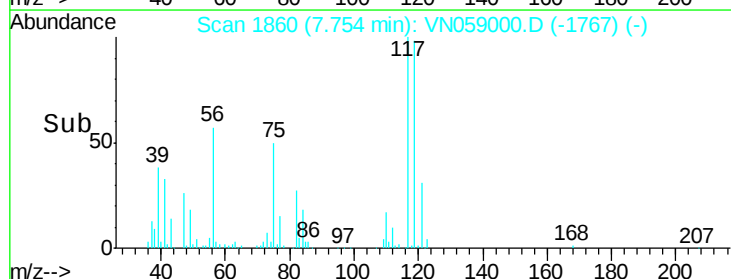
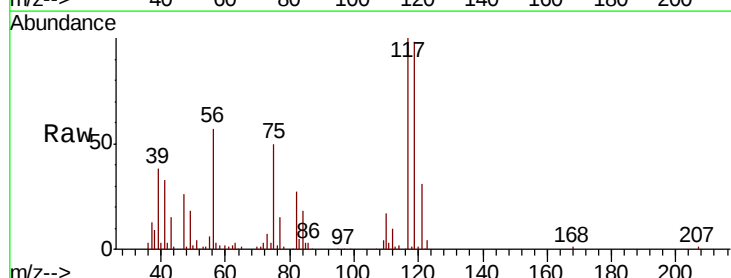
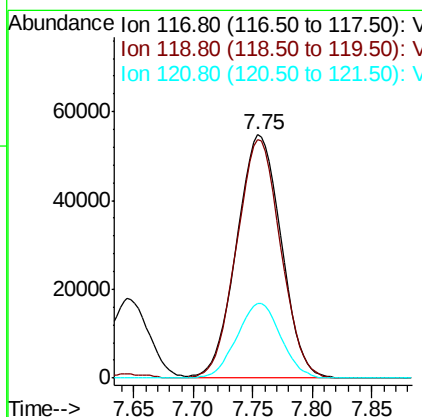
Manual Integrations
APPROVED

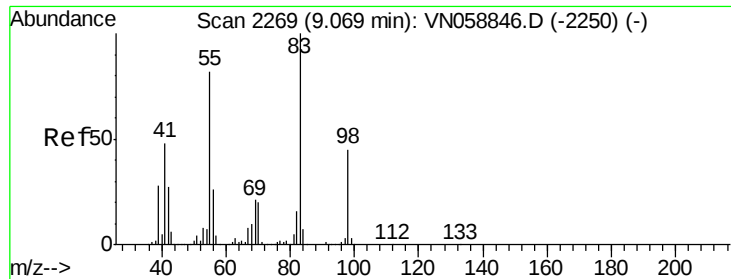
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.730 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.7	113.5
121	30.6	25.0	37.6





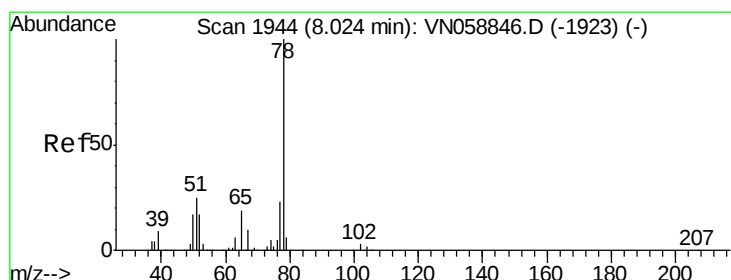
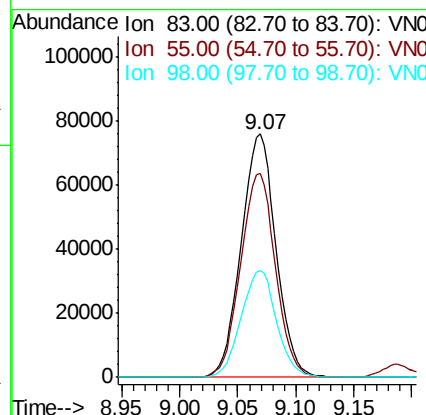
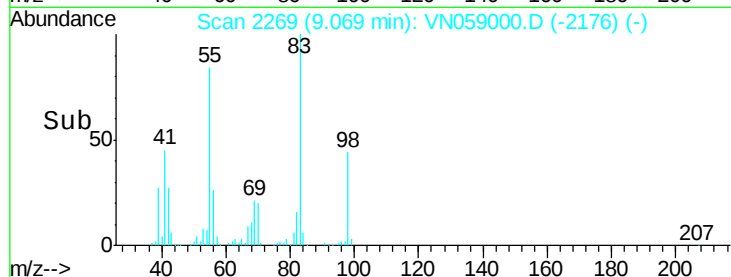
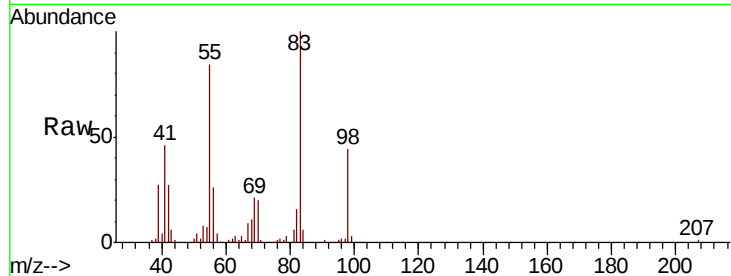
#39
Methvlcvclohexane
Concen: 20.147 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.6	65.5	98.3
98	44.1	35.7	53.5

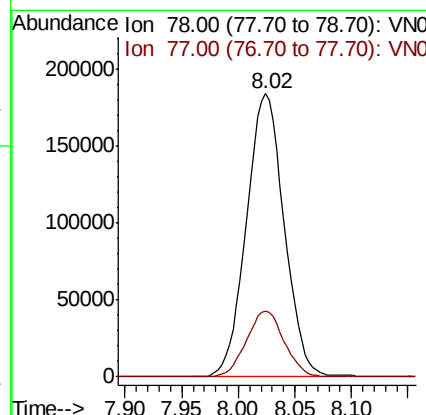
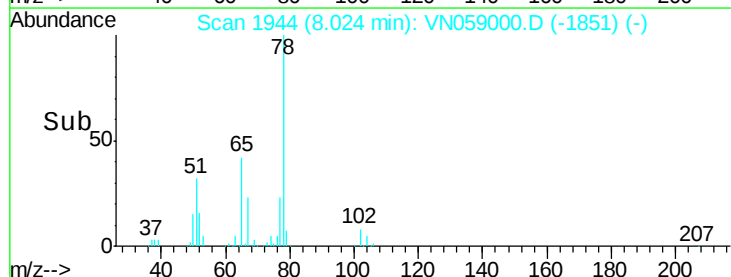
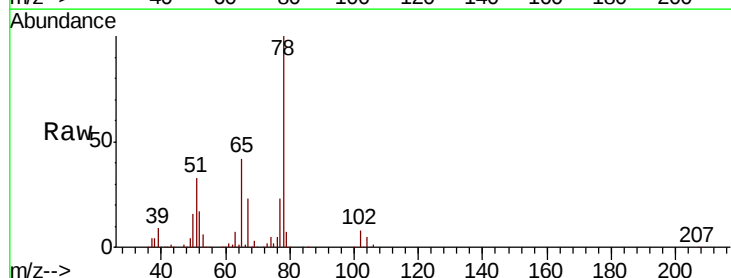
Manual Integrations
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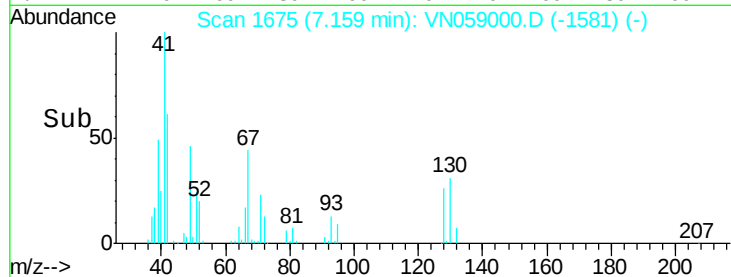
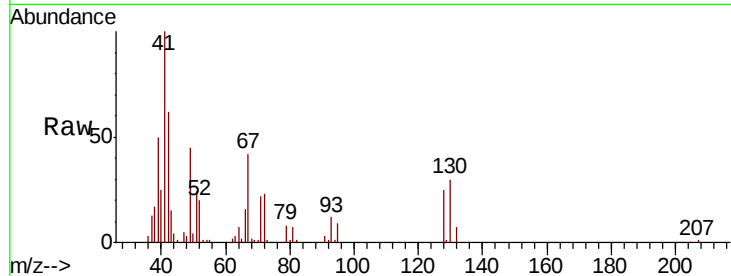
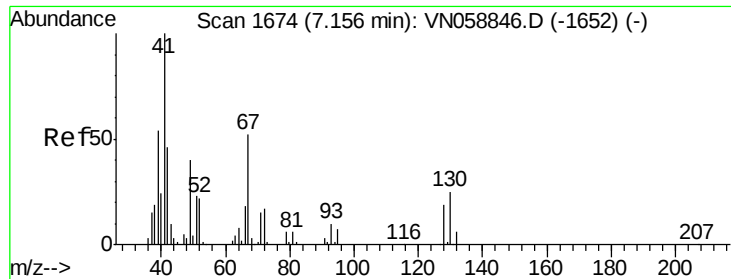
MMDadoda
10/30/2019 3:53:40 PM



#40
Benzene
Concen: 20.812 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2





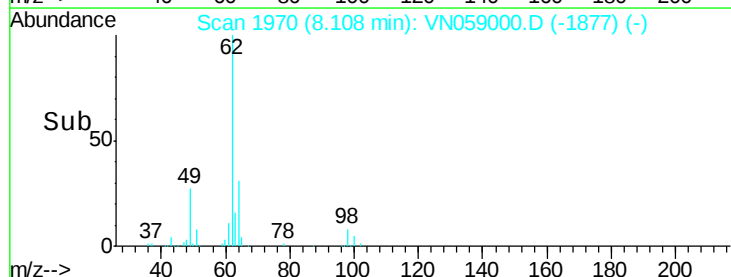
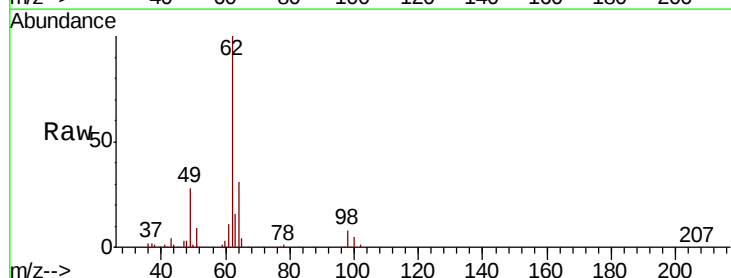
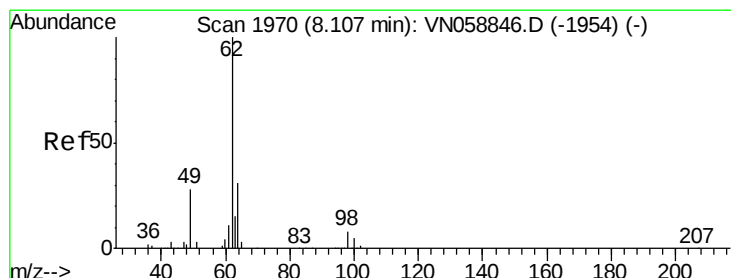
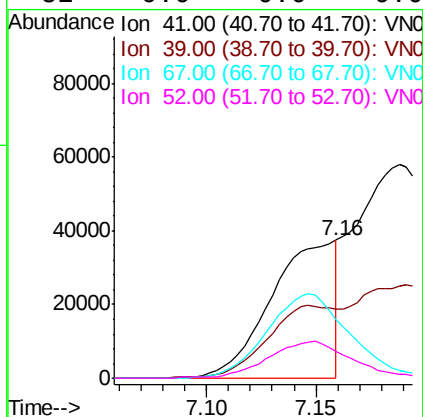
#41
Methacrylonitrile
Concen: 22.726 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		77190		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

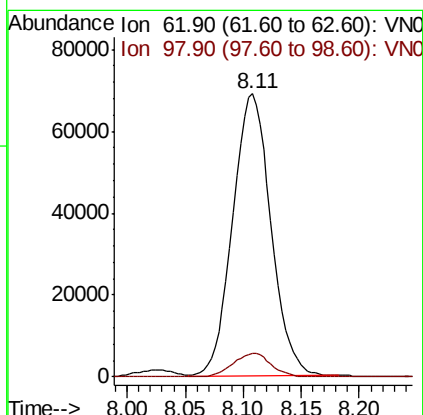
Manual Integrations
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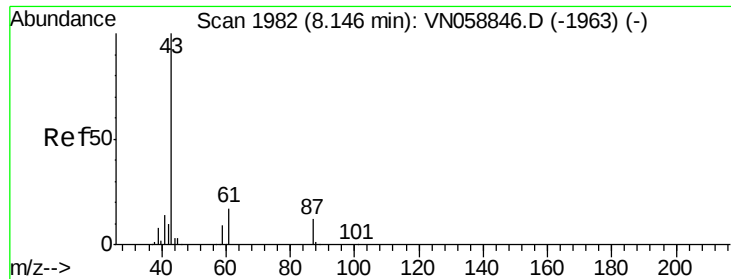
MMDadoda
10/30/2019 3:53:40 PM



#42
1,2-Dichloroethane
Concen: 19.929 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		157779		
98	8.2	0.0	16.2		





#43

Isopropyl Acetate

Concen: 21.773 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

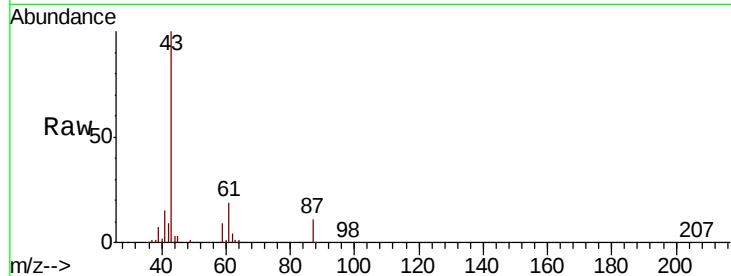
ClientSampleId :

VN1029WBS01

Tot Ion:	43	Resp:	266306
Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.2	30.2
87	11.6	9.5	14.3

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Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)

8.15

150000

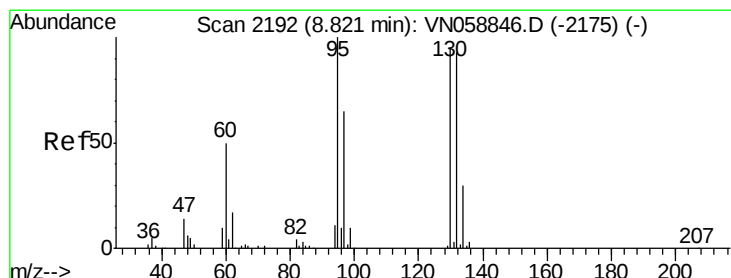
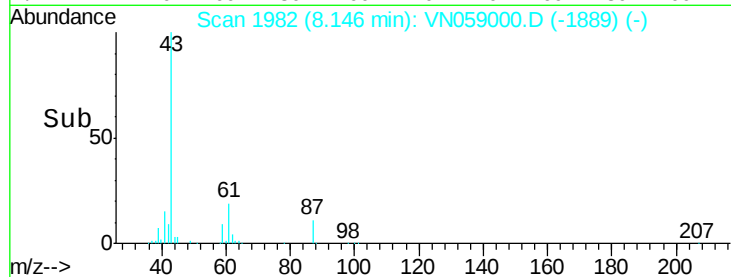
100000

50000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 20.731 ug/l

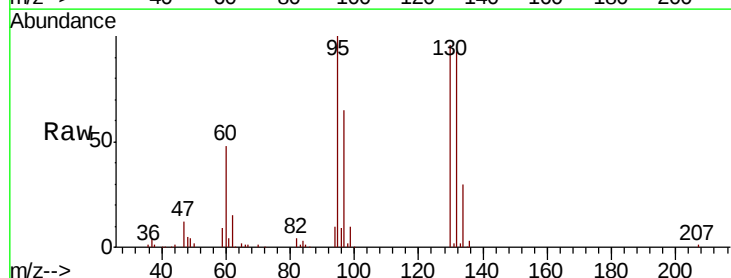
RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion:	130	Resp:	103791
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)

60000

50000

40000

30000

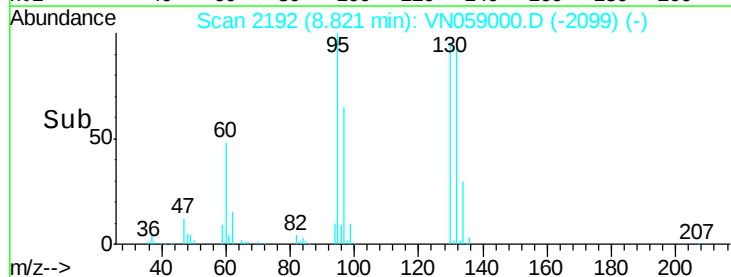
20000

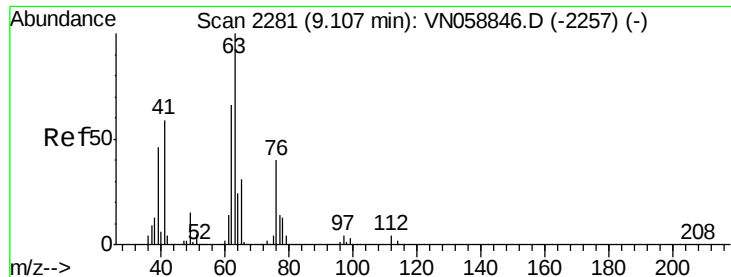
10000

0

8.75 8.80 8.85 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 21.433 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 63 Resp: 120791

Ion Ratio Lower Upper

63 100

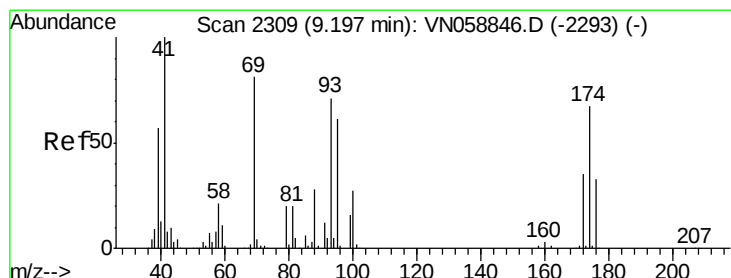
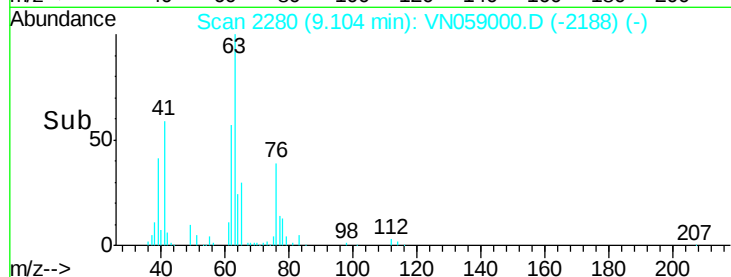
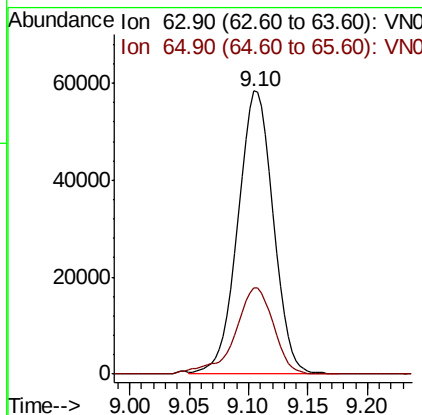
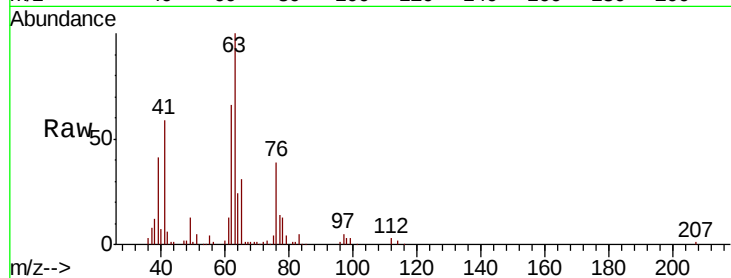
65 30.7 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 20.520 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

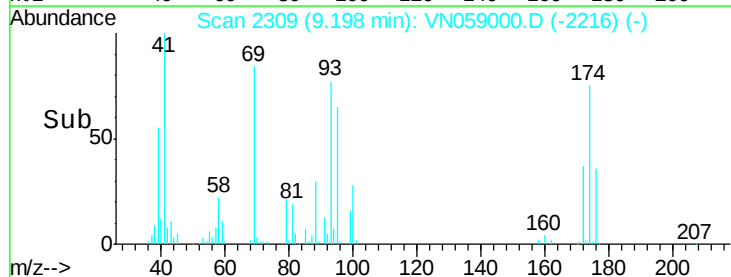
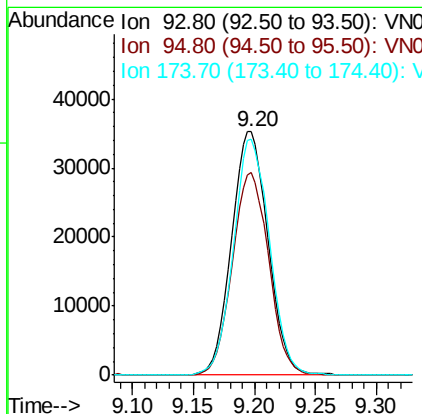
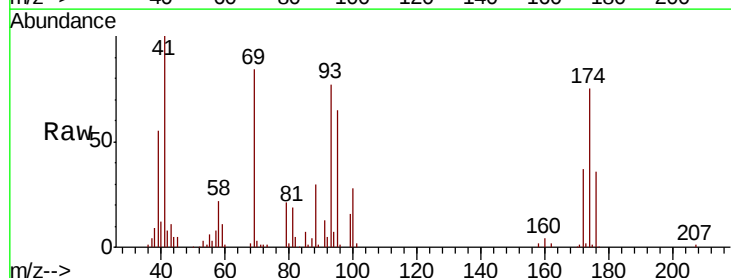
Tgt Ion: 93 Resp: 73108

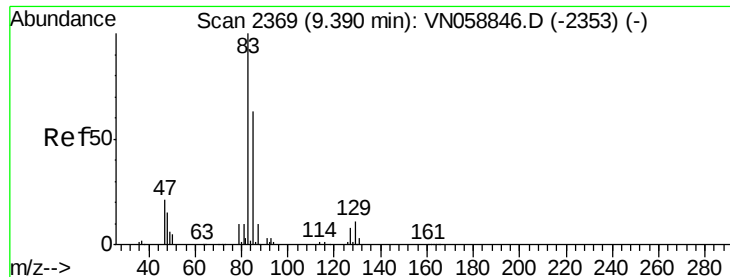
Ion Ratio Lower Upper

93 100

95 82.6 67.6 101.4

174 95.7 74.1 111.1





#47

Bromodichloromethane

Concen: 20.484 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

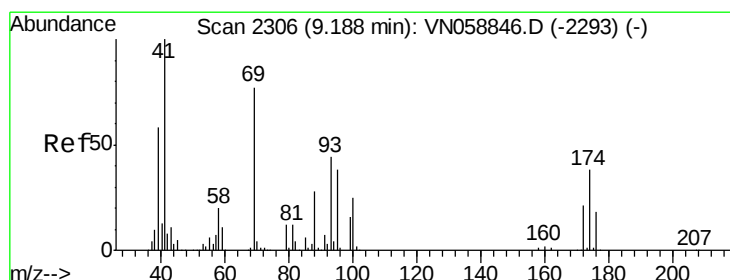
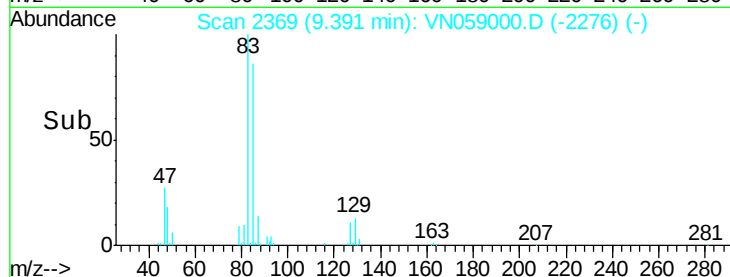
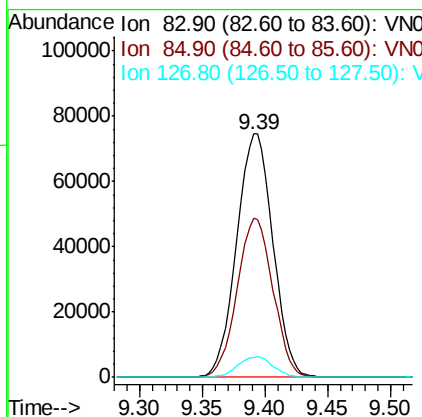
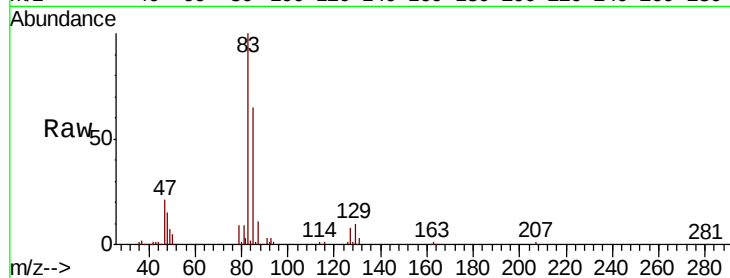
ClientSampleId :

VN1029WBS01

Tot Ion:	83	Resp:	150422
Ion Ratio	Lower	Upper	
83	100		
85	65.4	50.6	75.8
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.966 ug/l

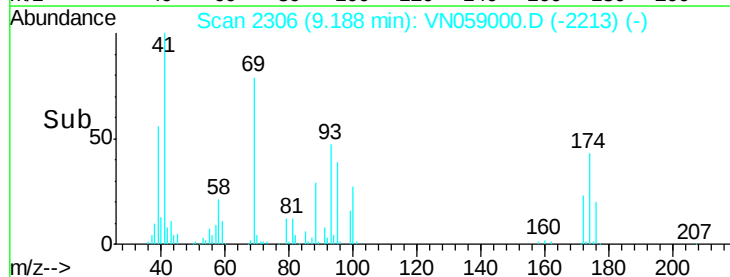
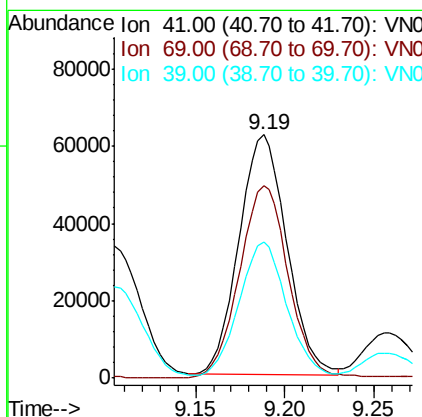
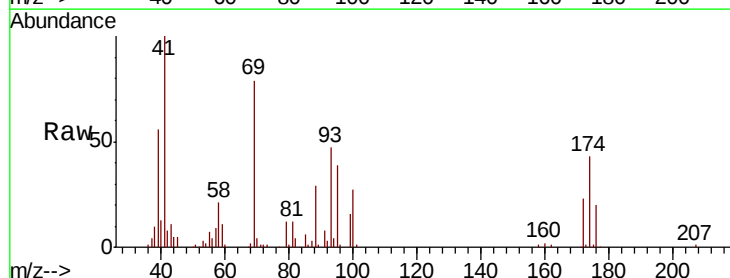
RT: 9.19 min Scan# 2306

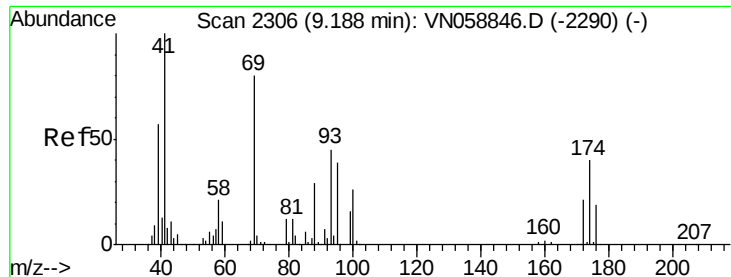
Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion:	41	Resp:	116346
Ion Ratio	Lower	Upper	
41	100		
69	82.5	63.8	95.6
39	57.1	47.8	71.8





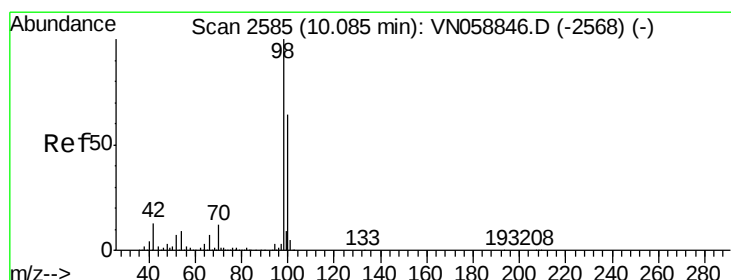
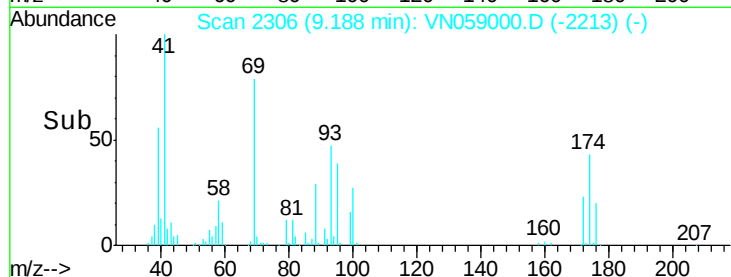
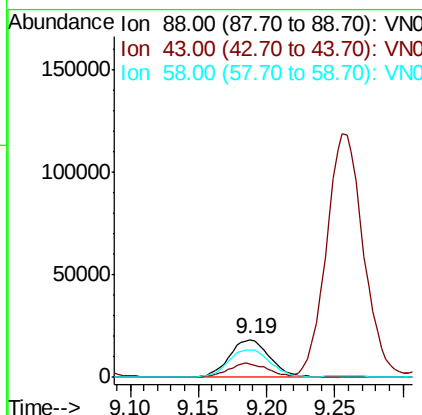
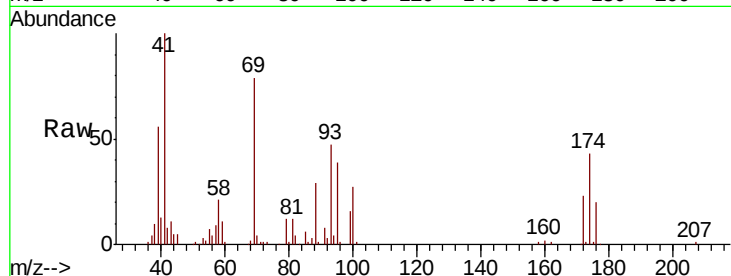
#49
1,4-Dioxane
Concen: 419.928 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.1	43.7
58	75.5	59.4	89.0

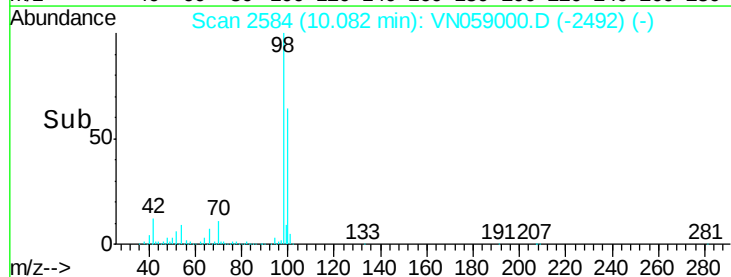
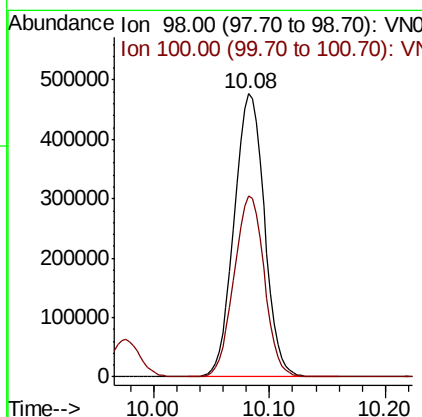
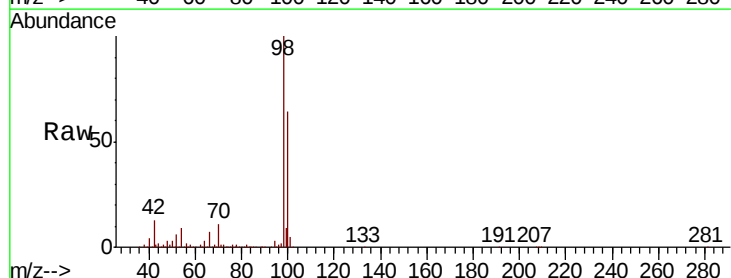
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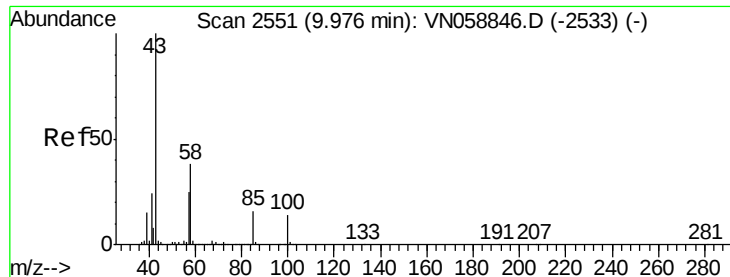
MMDadoda
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#50
Toluene-d8
Concen: 49.561 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 117.707 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 43 Resp: 840903

Ion Ratio Lower Upper

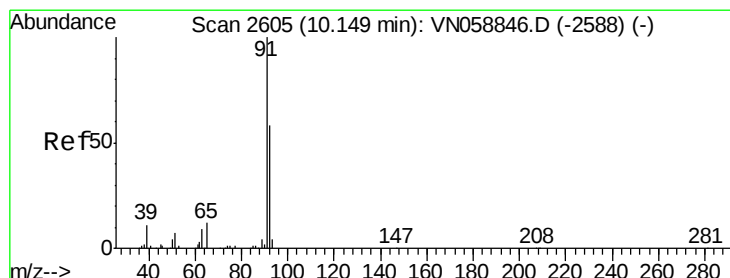
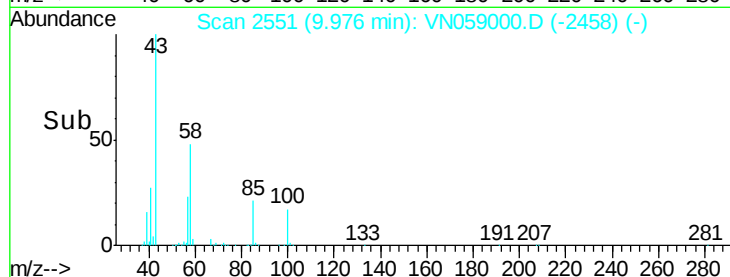
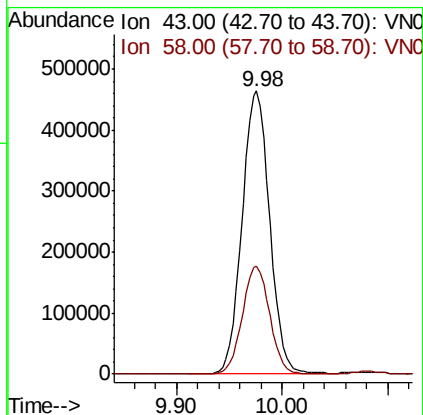
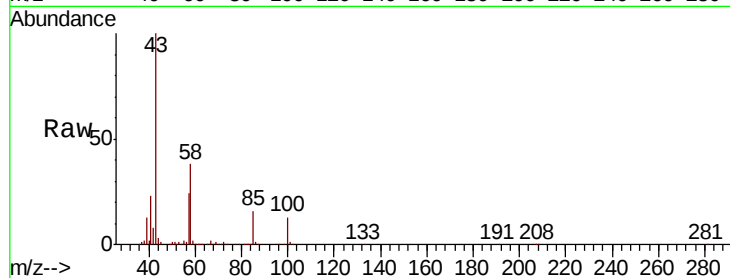
43 100

58 38.0 29.9 44.9

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#52

Toluene

Concen: 21.226 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059000.D

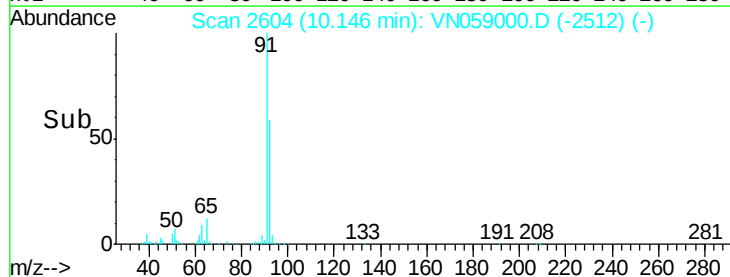
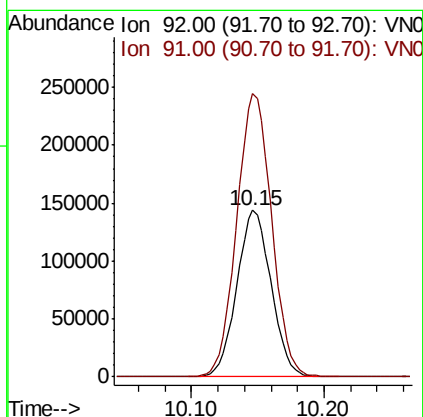
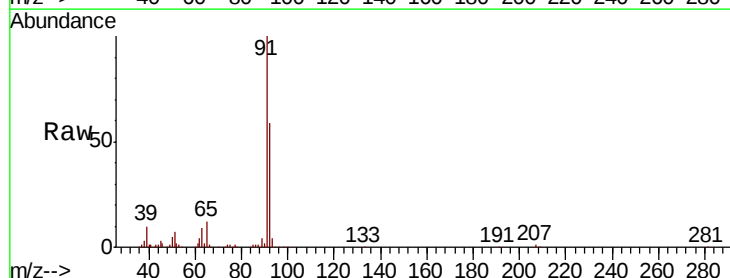
Acq: 29 Oct 2019 11:21

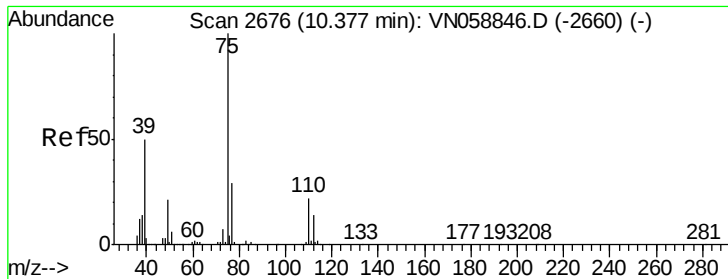
Tgt Ion: 92 Resp: 258705

Ion Ratio Lower Upper

92 100

91 173.0 138.9 208.3





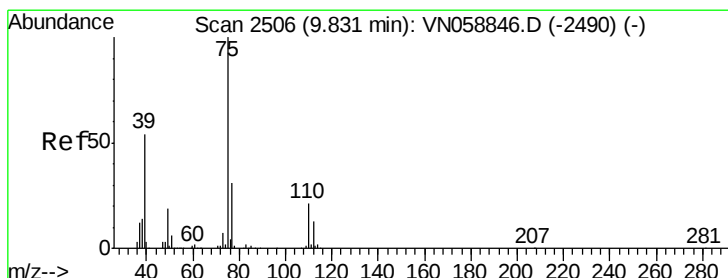
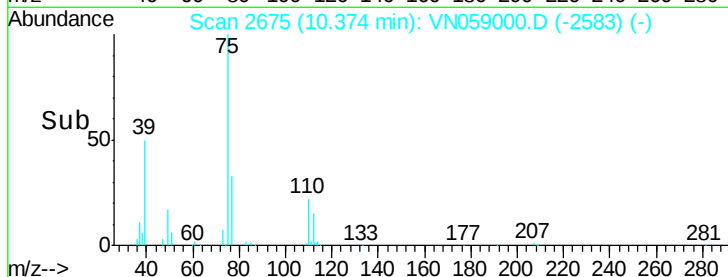
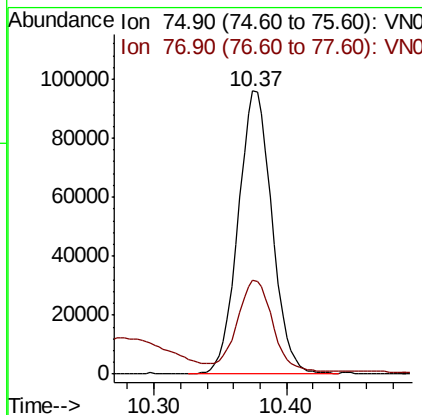
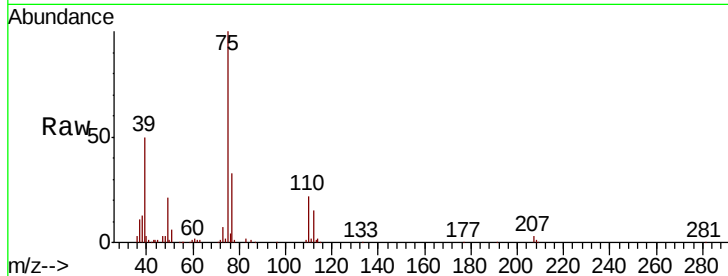
#53
t-1,3-Dichloropropene
Concen: 20.819 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.7	38.5

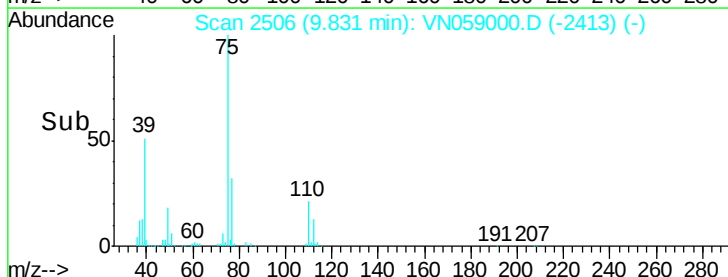
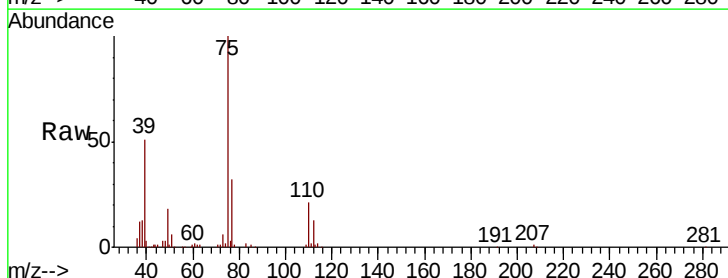
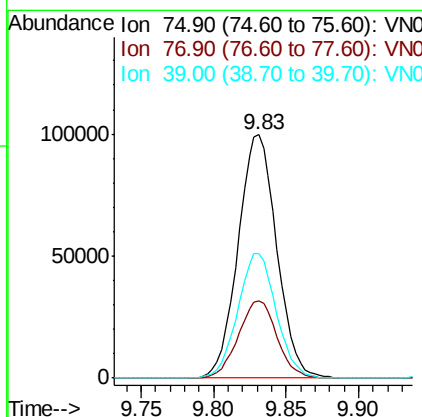
Manual Integrations
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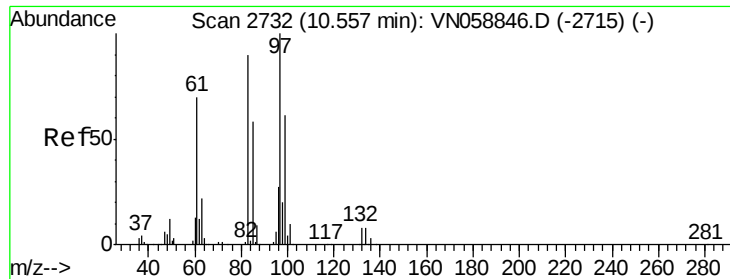
MMDadoda
10/30/2019 3:53:40 PM



#54
cis-1,3-Dichloropropene
Concen: 21.219 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.7	37.1
39	51.3	43.5	65.3





#55

1,1,2-Trichloroethane

Concen: 20.983 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

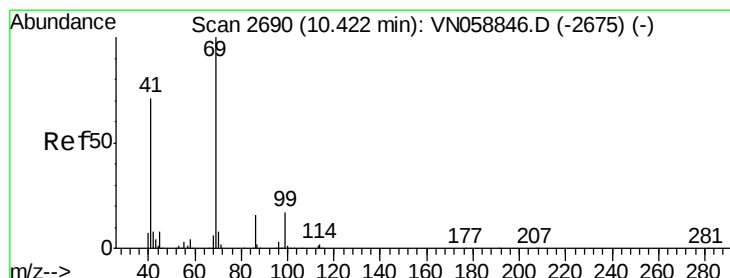
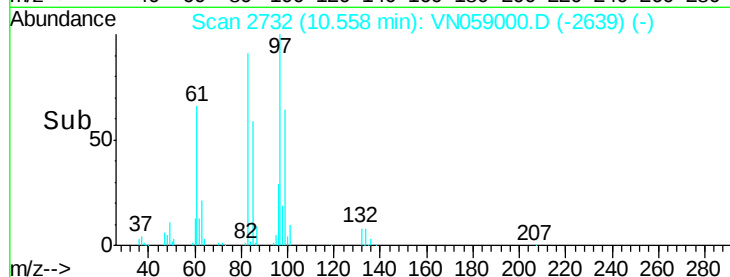
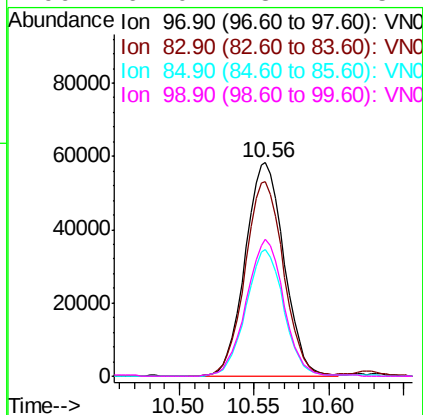
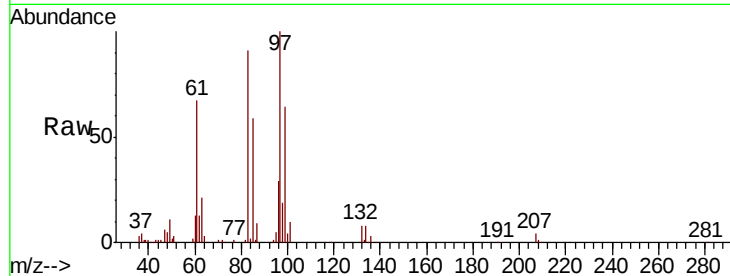
ClientSampleId :

VN1029WBS01

Tot Ion:	97	Resp:	105353
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.2	108.4
85	59.1	46.2	69.2
99	64.0	48.7	73.1

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#56

Ethyl methacrylate

Concen: 20.137 ug/l

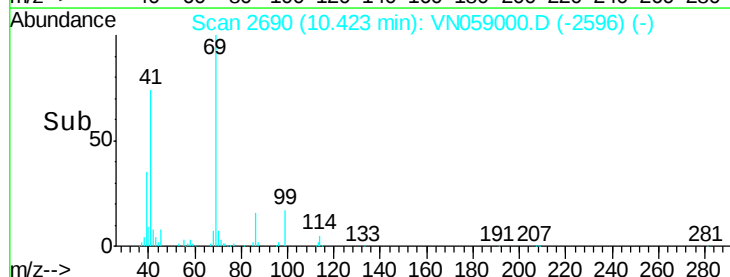
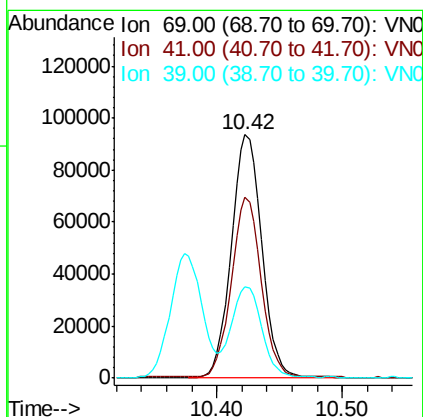
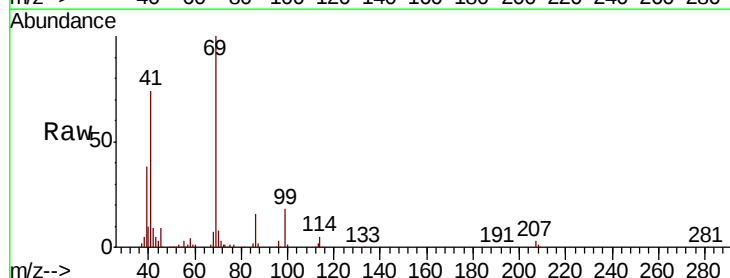
RT: 10.42 min Scan# 2690

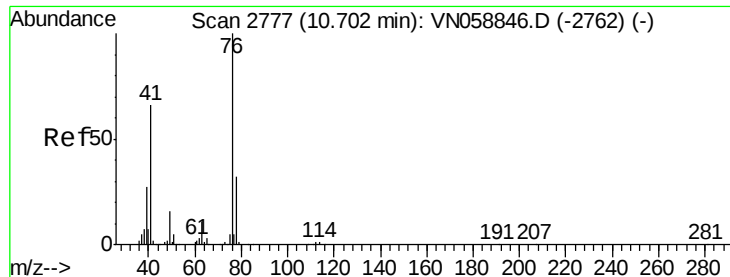
Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion:	69	Resp:	158805
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.2	85.8
39	37.3	31.0	46.4





#57

1,3-Dichloropropane

Concen: 20.889 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 76 Resp: 184079

Ion Ratio Lower Upper

76 100

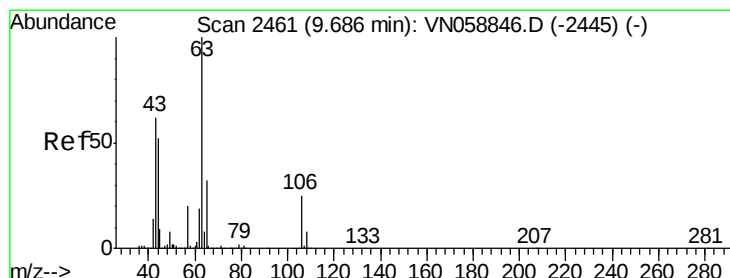
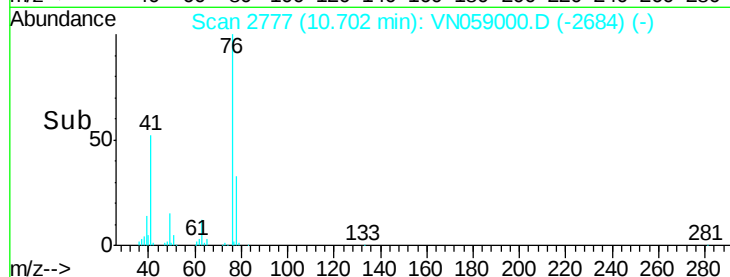
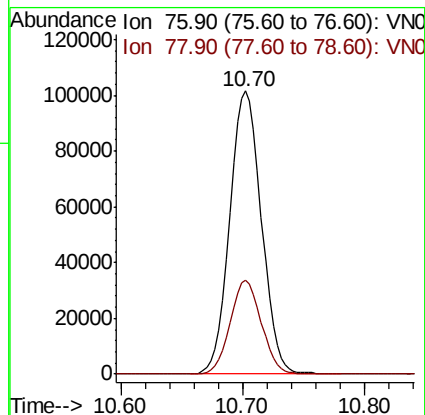
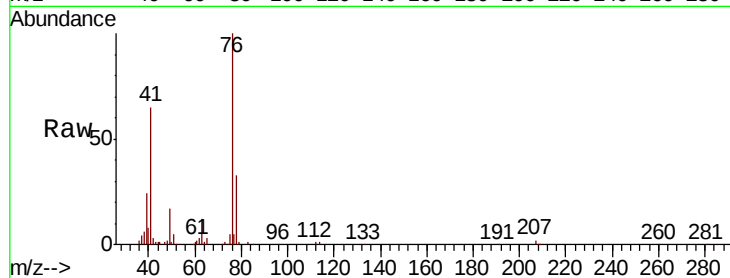
78 32.7 25.4 38.0

Manual Integrations

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10/30/2019 3:53:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 98.790 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059000.D

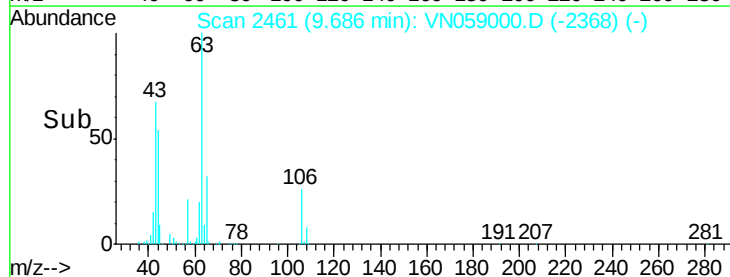
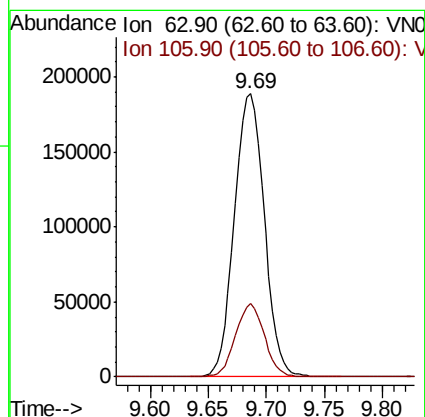
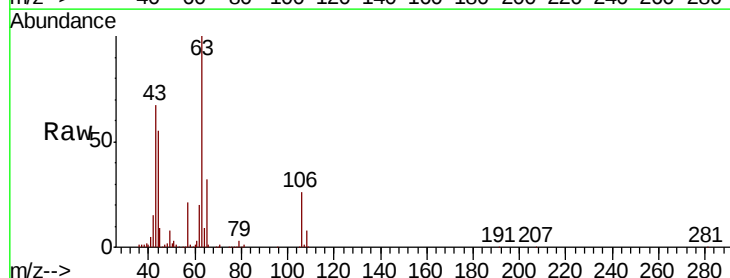
Acq: 29 Oct 2019 11:21

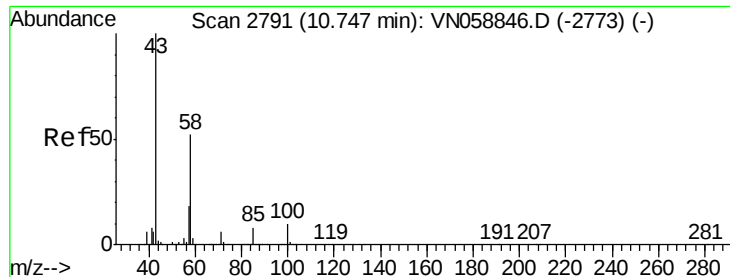
Tgt Ion: 63 Resp: 339353

Ion Ratio Lower Upper

63 100

106 24.9 19.8 29.8





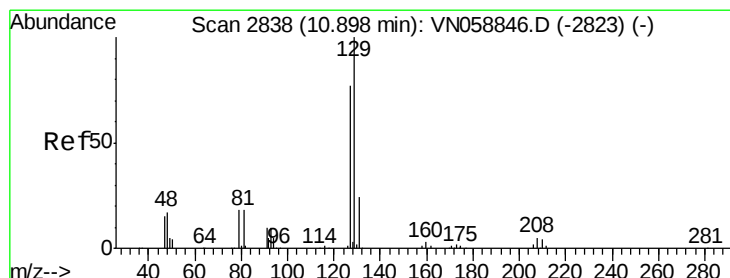
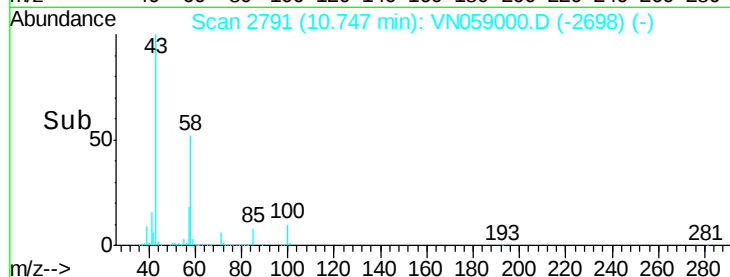
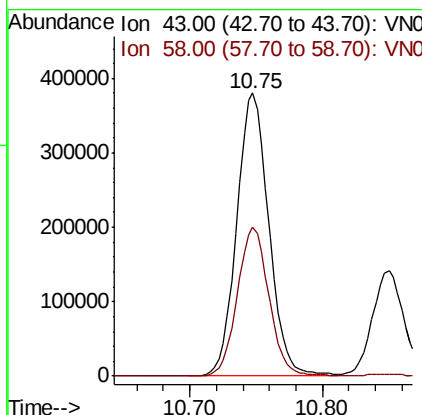
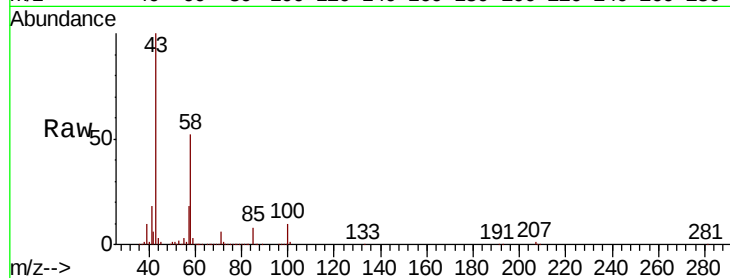
#59
2-Hexanone
Concen: 115.005 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion: 43 Resp: 634875
Ion Ratio Lower Upper
43 100
58 52.4 25.9 77.7

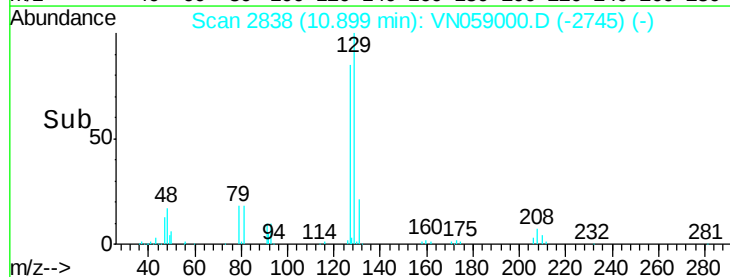
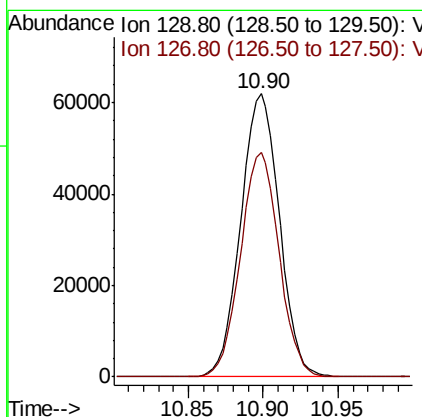
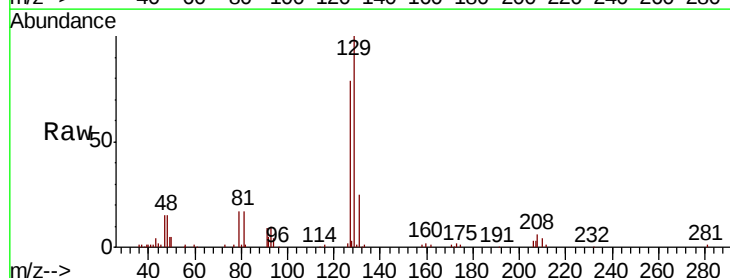
Manual Integrations
APPROVED

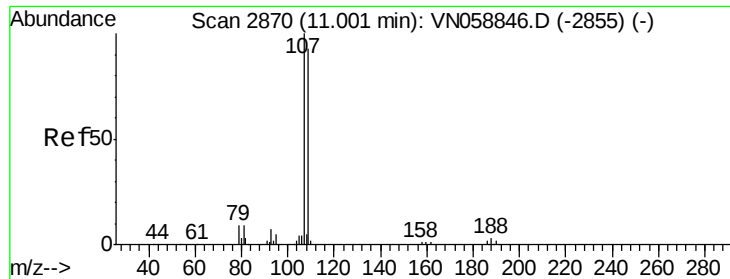
MMDadoda
10/30/2019 3:53:40 PM



#60
Dibromochloromethane
Concen: 20.635 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion: 129 Resp: 111517
Ion Ratio Lower Upper
129 100
127 78.9 39.1 117.3





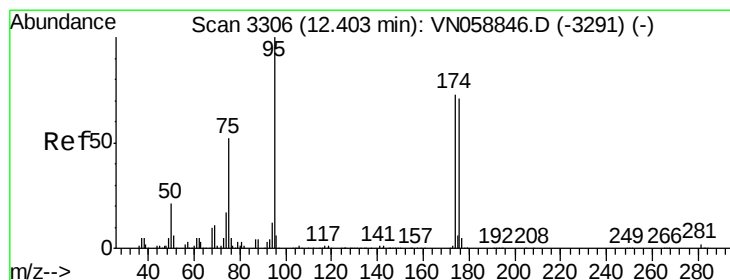
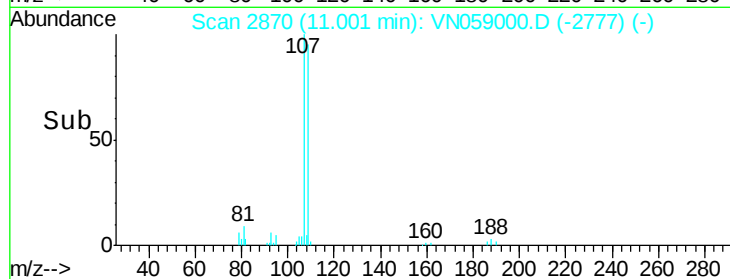
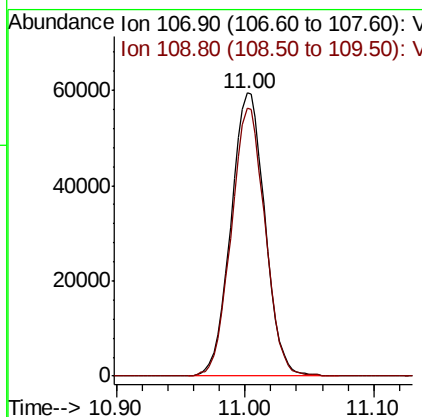
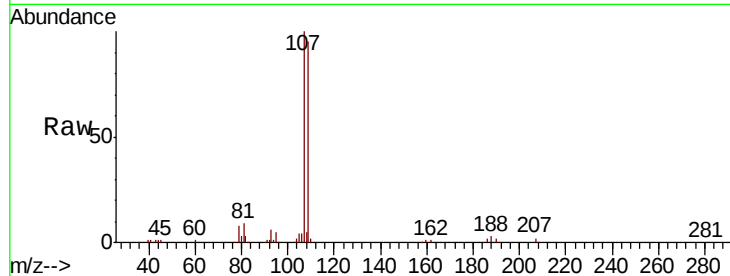
#61
 1,2-Dibromoethane
 Concen: 21.194 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.2	112.8

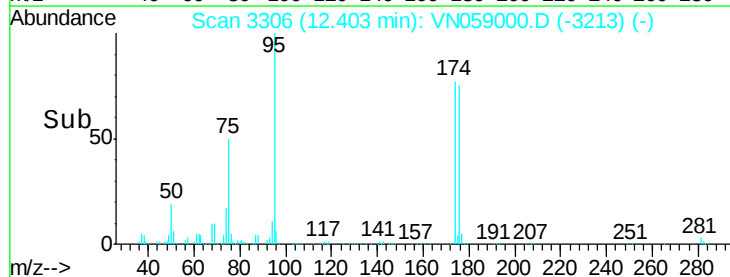
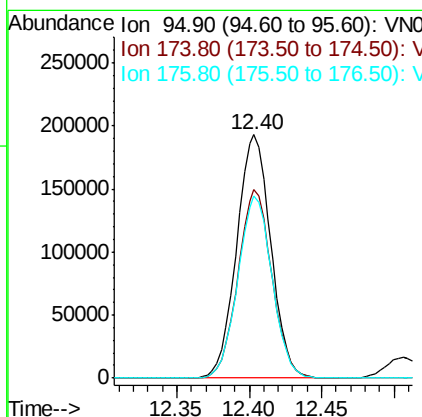
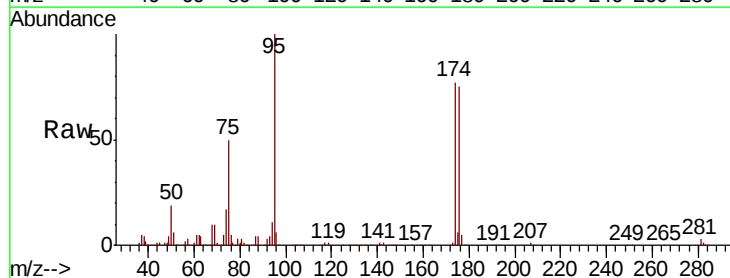
Manual Integrations
 APPROVED

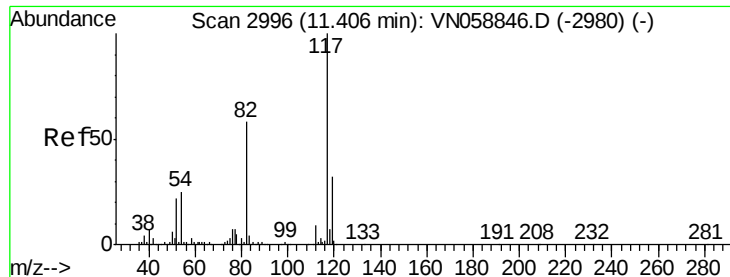
MMDadoda
 10/30/2019 3:53:40 PM



#62
 4-Bromofluorobenzene
 Concen: 49.199 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	147.6
176	75.1	0.0	143.2





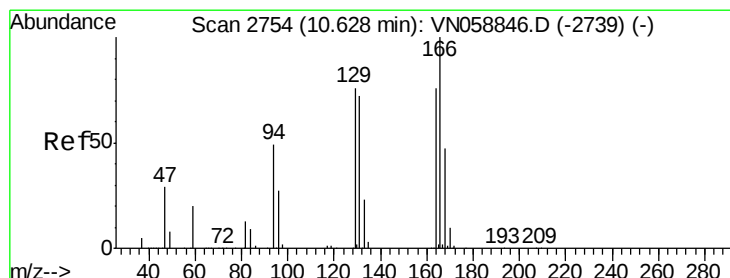
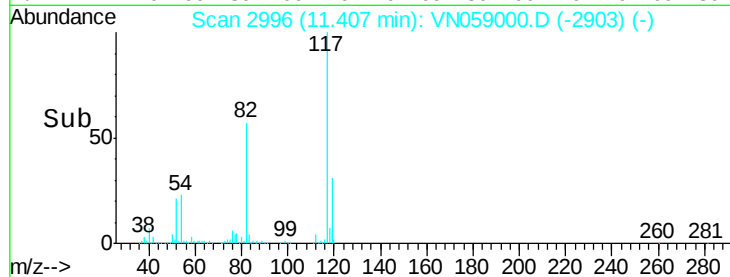
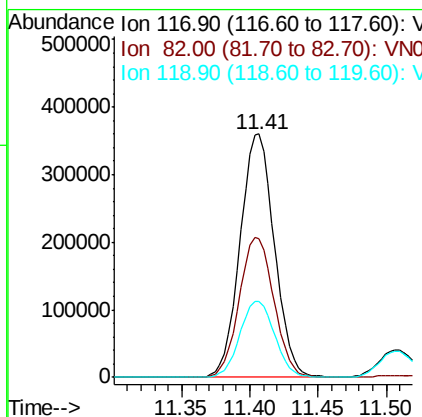
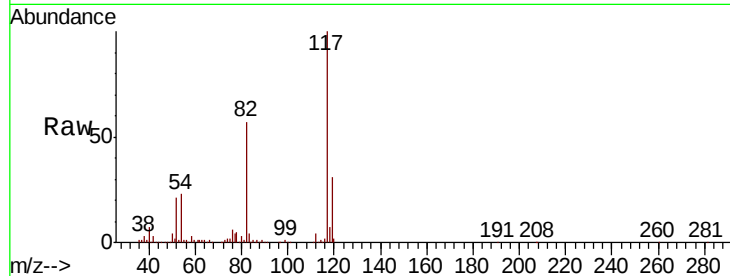
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.6	69.8
119	31.3	25.6	38.4

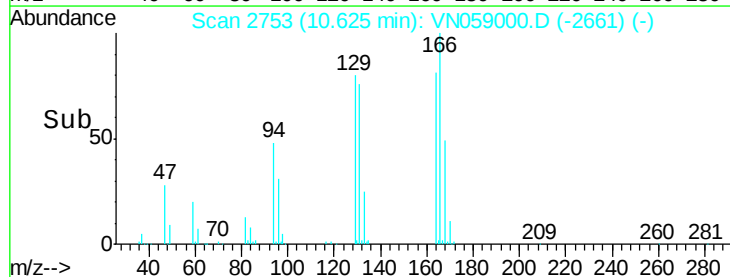
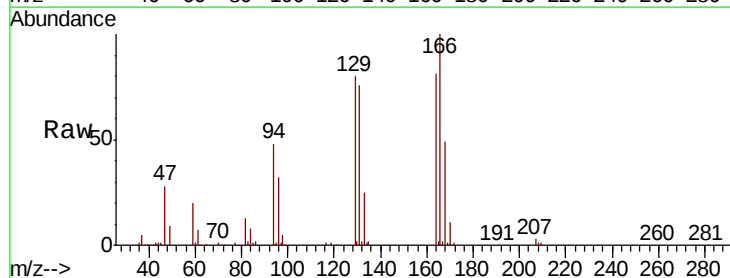
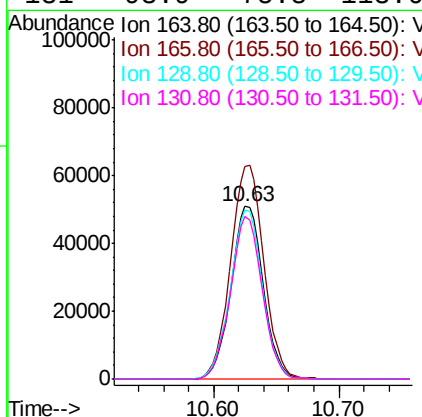
Manual Integrations
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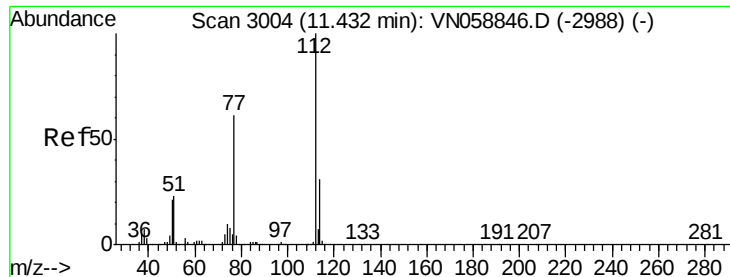
MMDadoda
10/30/2019 3:53:40 PM



#64
Tetrachloroethene
Concen: 20.612 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	104.8	157.2
129	98.1	79.3	118.9
131	93.9	75.8	113.6





#65

Chlorobenzene

Concen: 21.328 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion:112 Resp: 273033

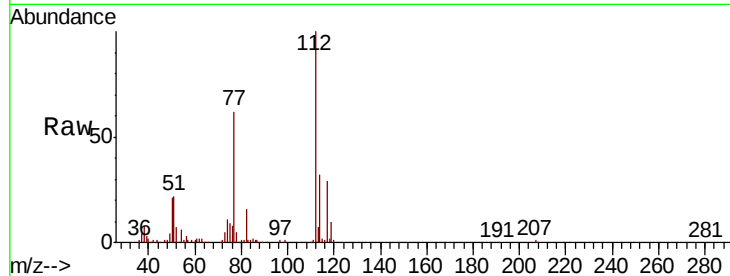
Ion Ratio Lower Upper

112 100

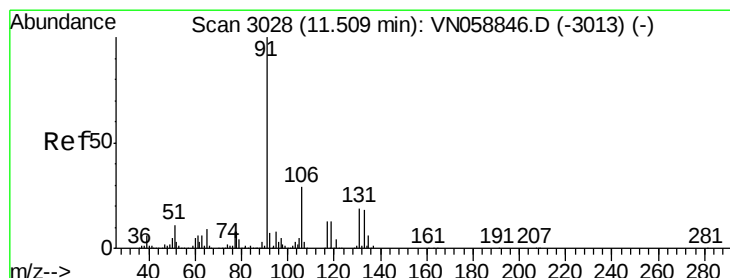
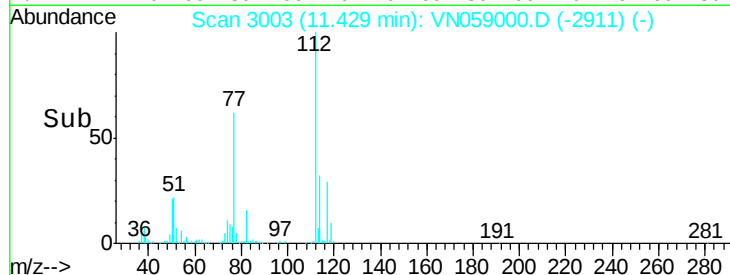
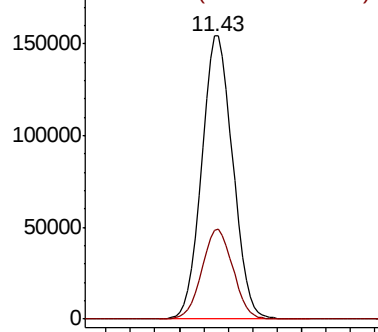
114 31.5 25.1 37.7

Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.542 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

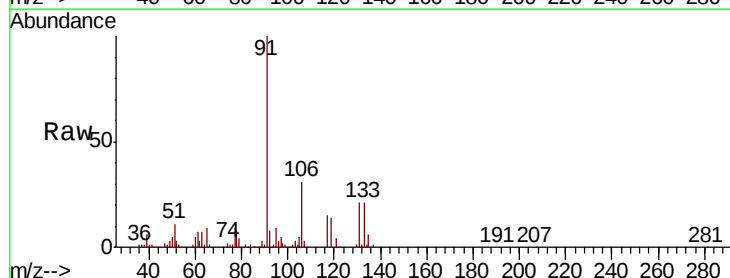
Tgt Ion:131 Resp: 104066

Ion Ratio Lower Upper

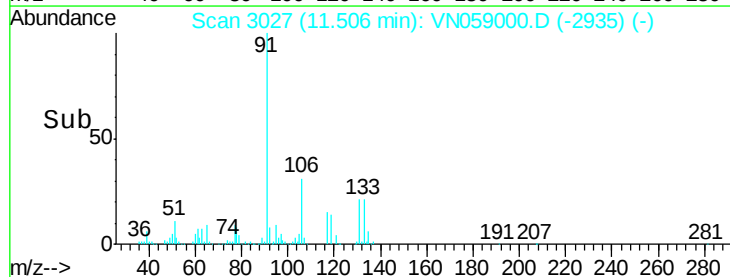
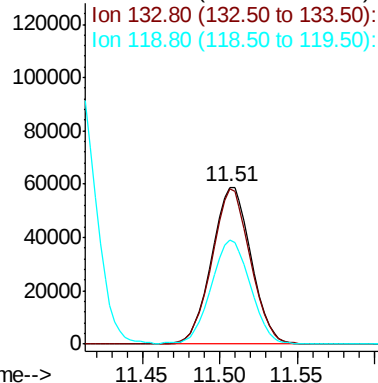
131 100

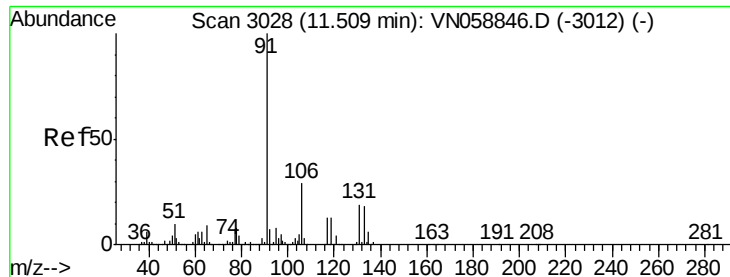
133 97.1 48.4 145.2

119 66.7 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 22.096 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 91 Resp: 496206

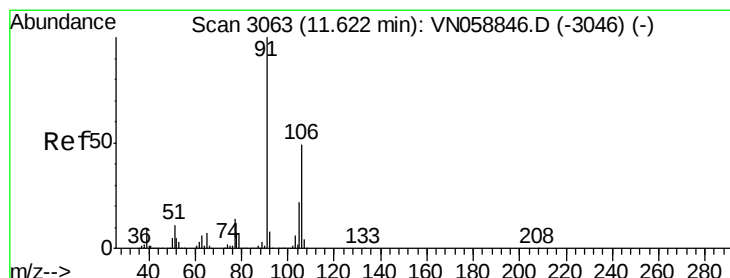
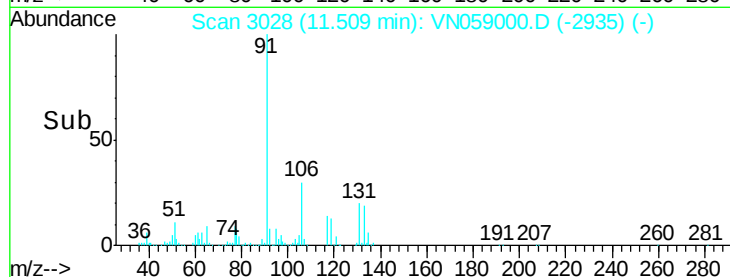
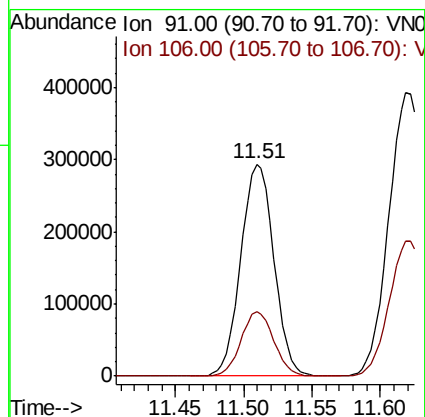
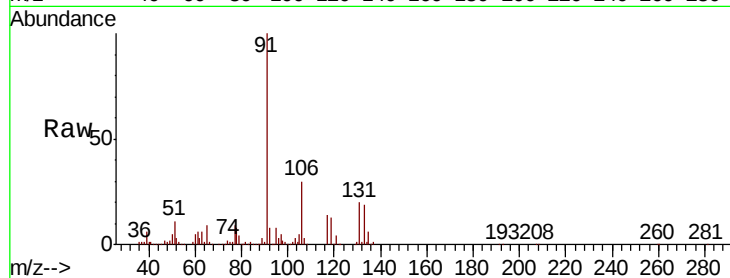
Ion Ratio Lower Upper

91 100

106 30.2 23.4 35.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 43.393 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059000.D

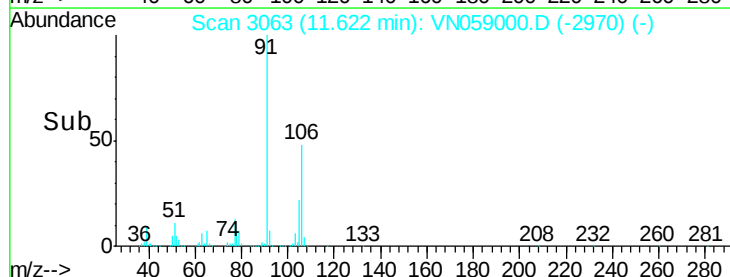
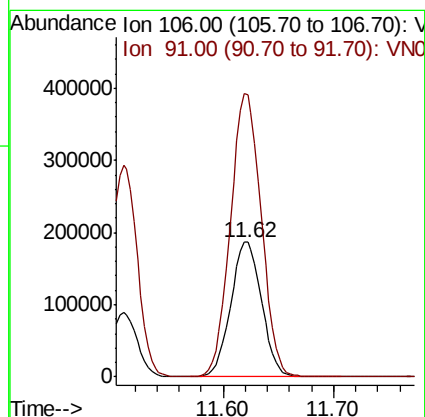
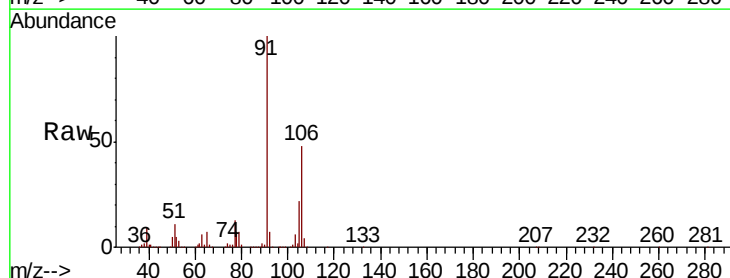
Acq: 29 Oct 2019 11:21

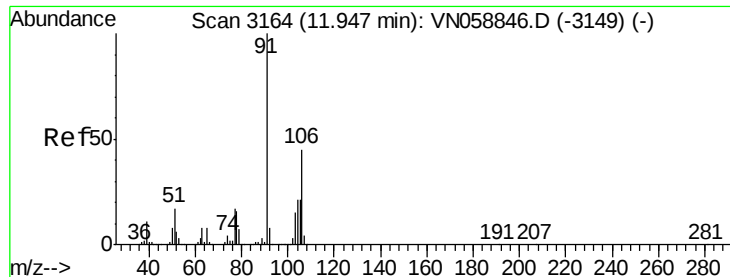
Tgt Ion: 106 Resp: 361385

Ion Ratio Lower Upper

106 100

91 210.0 166.6 249.8





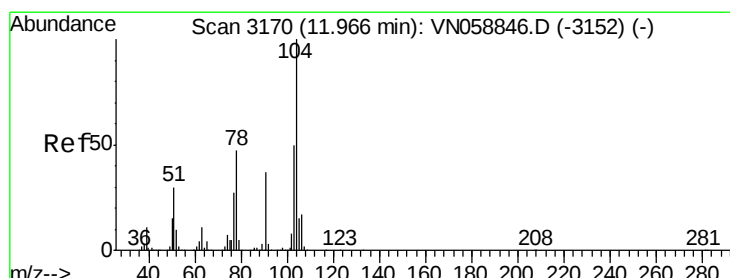
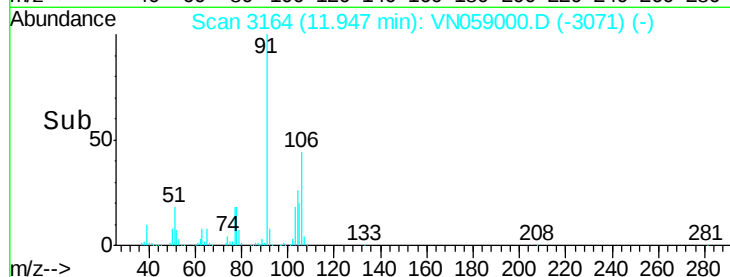
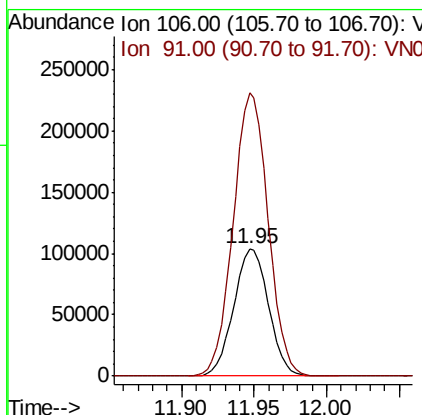
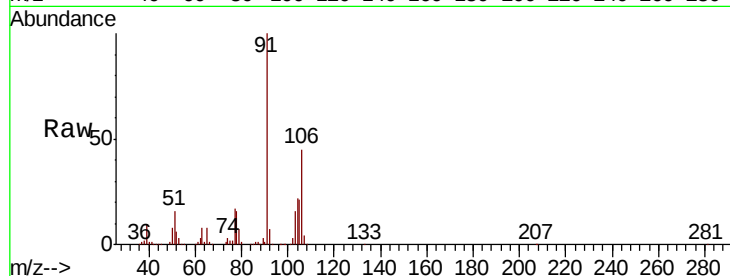
#69
o-Xylene
Concen: 21.795 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	173112		
91	91	223.1	111.5	334.4	

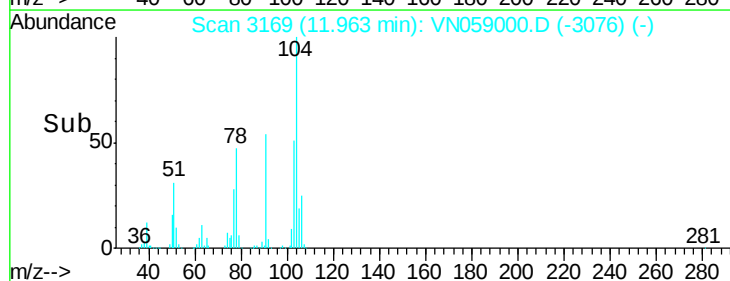
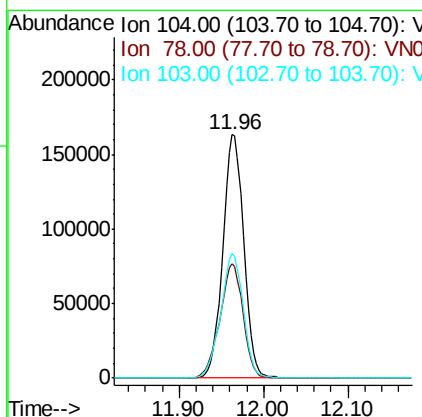
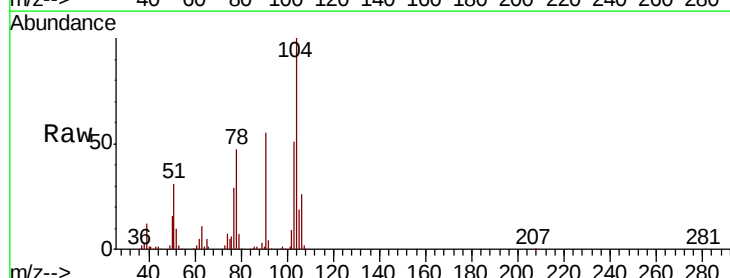
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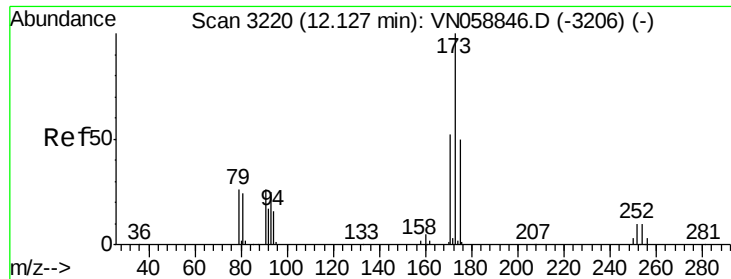
MMDadoda
10/30/2019 3:53:40 PM



#70
Styrene
Concen: 20.291 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	282029		
78	78	51.8	42.8	64.2	
103	103	55.0	44.3	66.5	





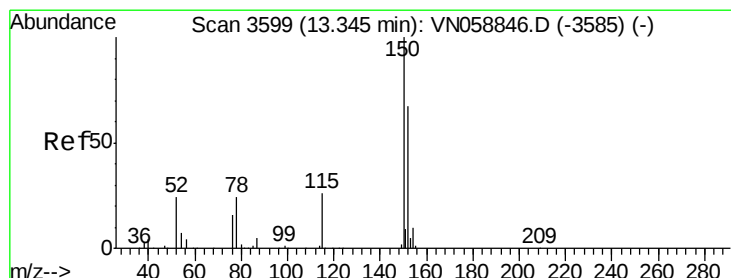
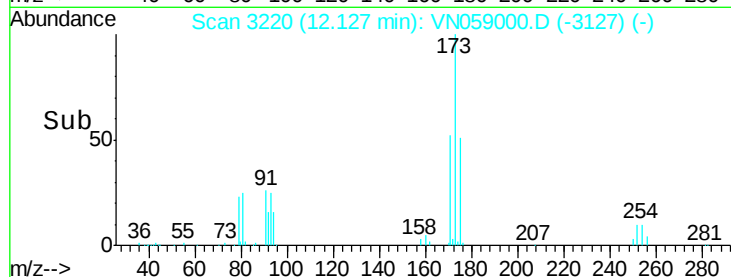
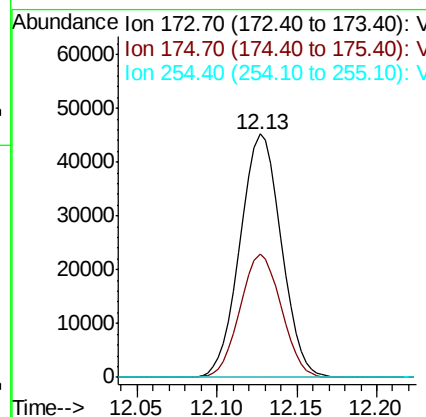
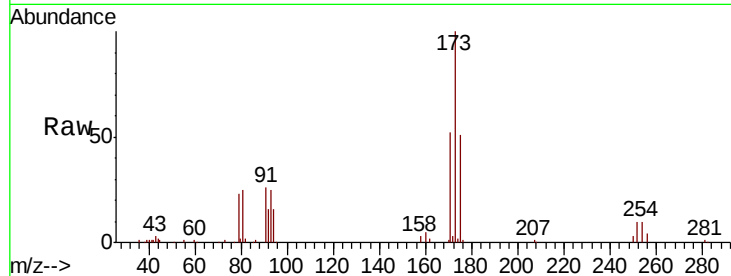
#71
Bromoform
Concen: 21.237 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.7	74.1
254	0.0	0.0	0.0

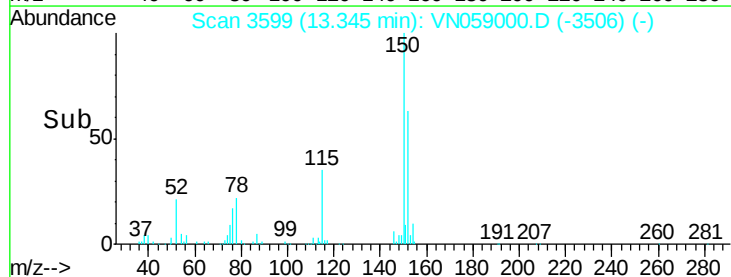
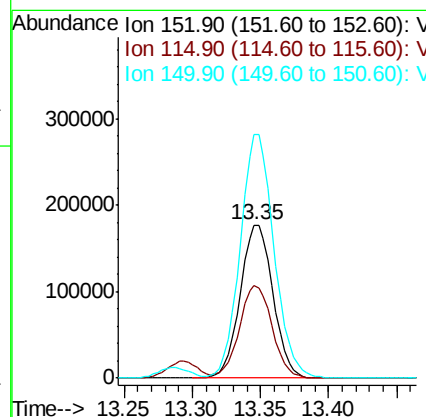
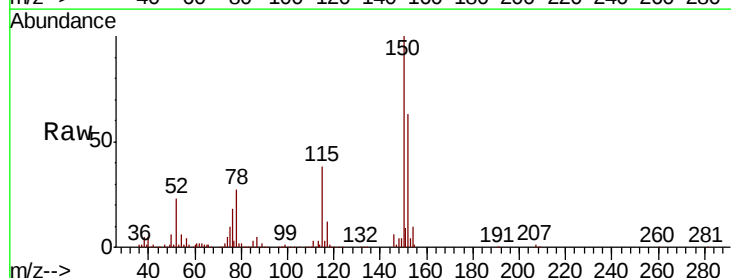
Manual Integrations
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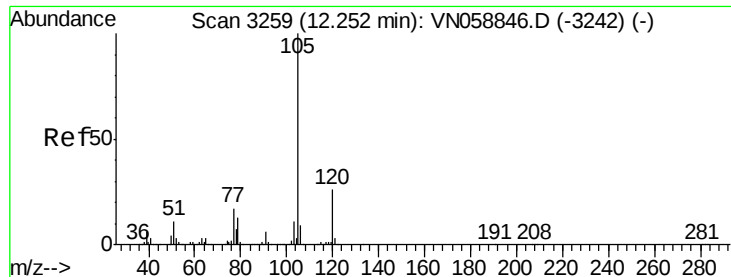
MMDadoda
10/30/2019 3:53:40 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.5	91.5
150	163.6	0.0	344.4





#73

Isopropylbenzene

Concen: 21.742 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 105 Resp: 469616

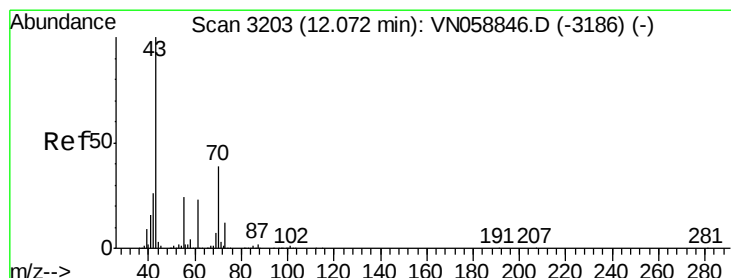
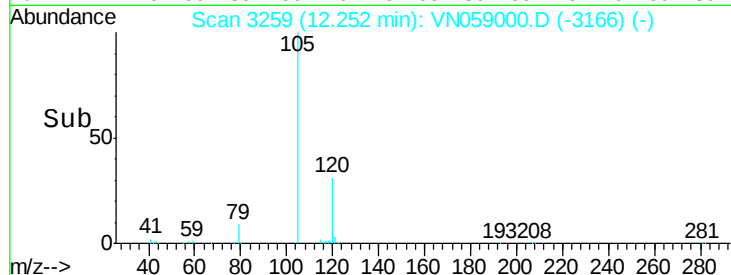
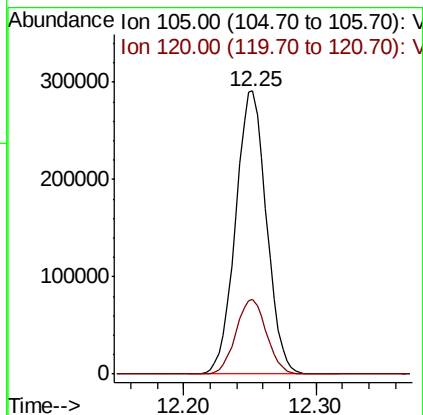
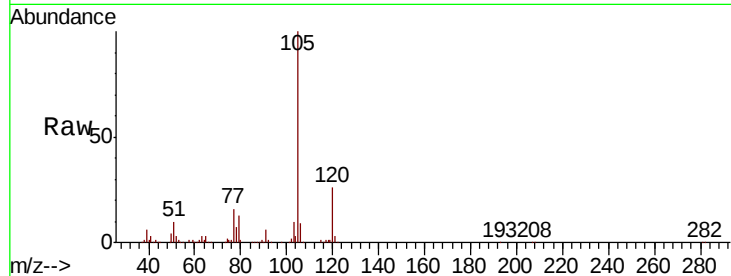
Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
10/30/2019 3:53:40 PM



#74

N-ethyl acetate

Concen: 21.999 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion: 43 Resp: 215417

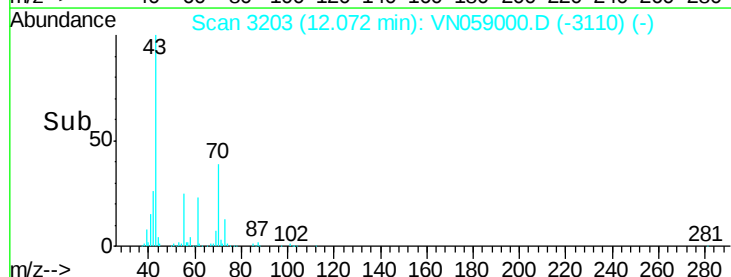
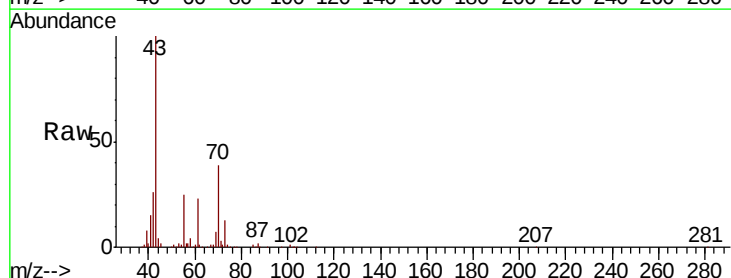
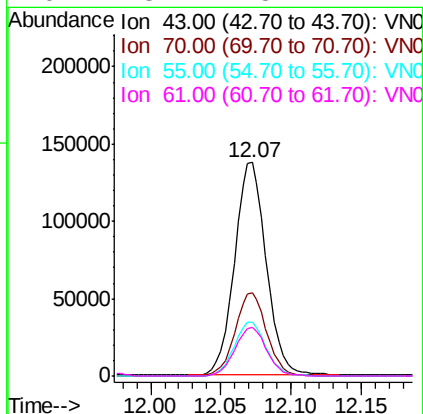
Ion Ratio Lower Upper

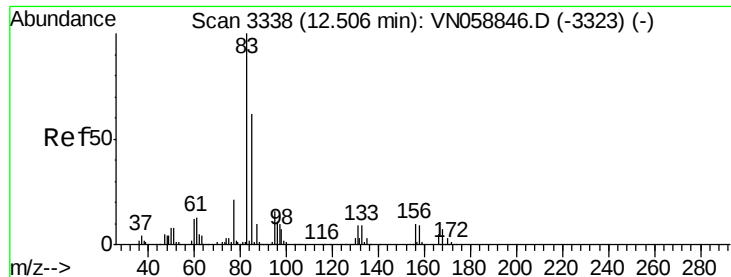
43 100

70 39.2 30.9 46.3

55 25.8 19.7 29.5

61 23.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.123 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion: 83 Resp: 168015
Ion Ratio Lower Upper

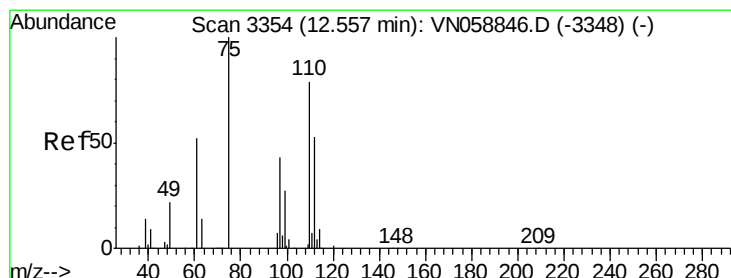
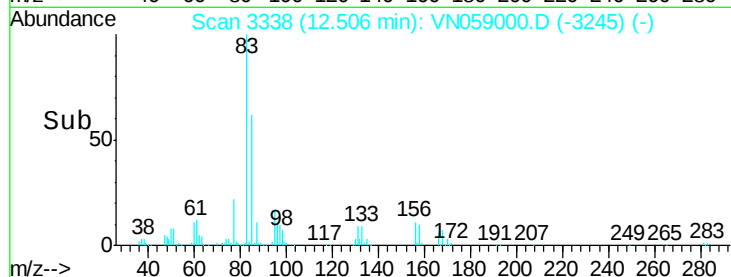
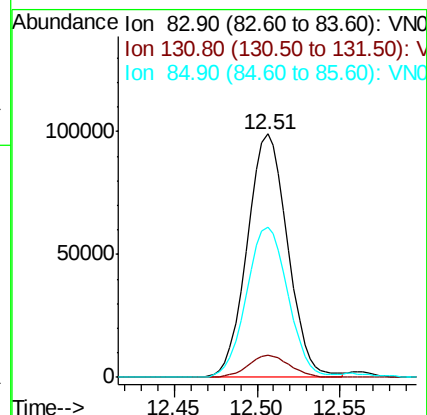
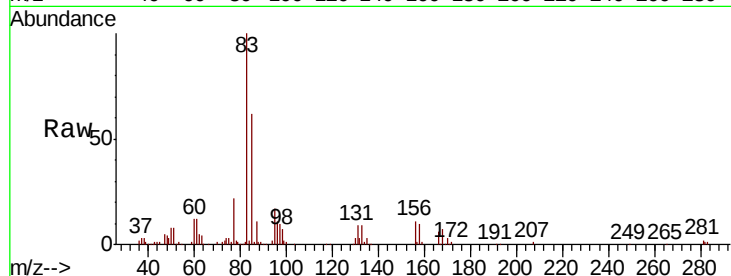
83 100

131 9.2 4.7 14.1

85 63.1 31.7 95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.659 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

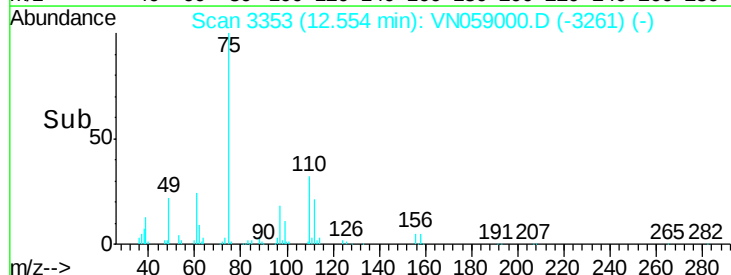
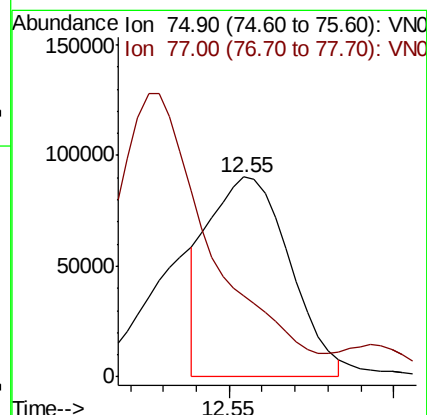
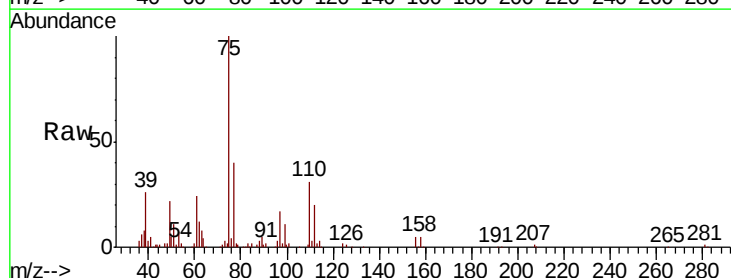
Lab File: VN059000.D

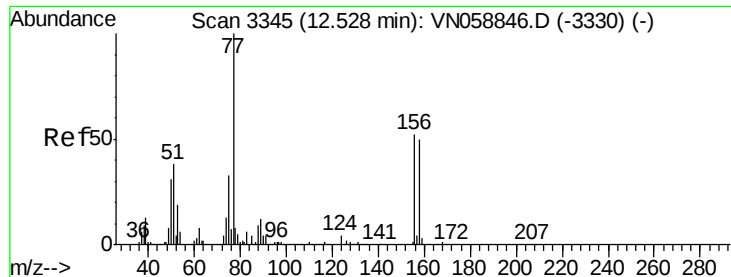
Acq: 29 Oct 2019 11:21

Tgt Ion: 75 Resp: 155211
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.387 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

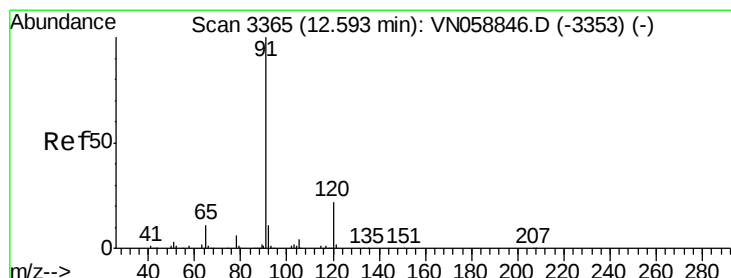
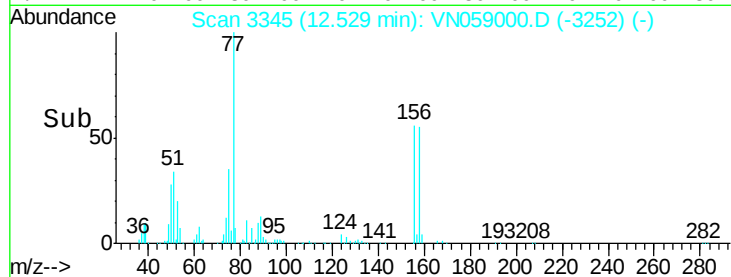
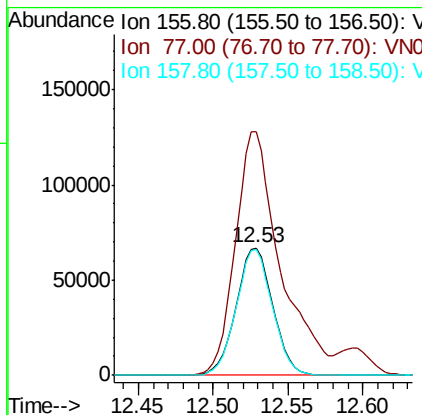
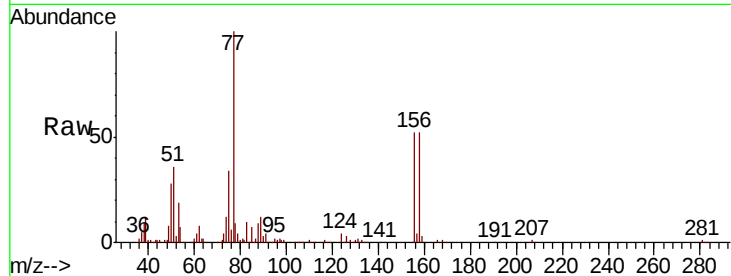
ClientSampleId :

VN1029WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	235.6	118.0	354.0	
158	97.5	48.3	144.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 21.809 ug/l

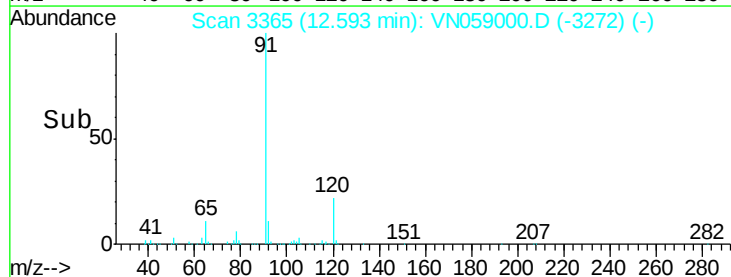
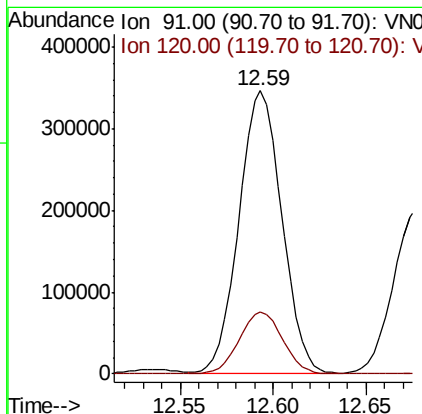
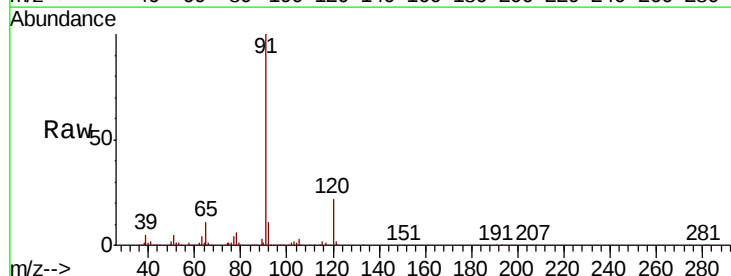
RT: 12.59 min Scan# 3365

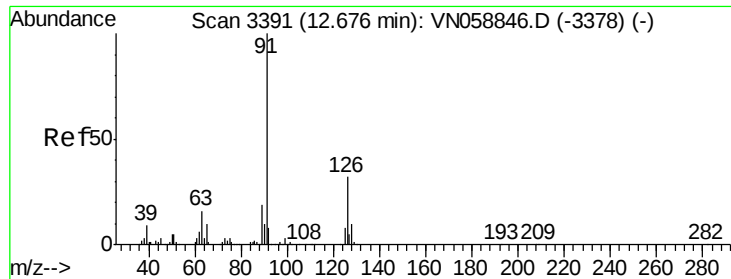
Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.1	33.1	





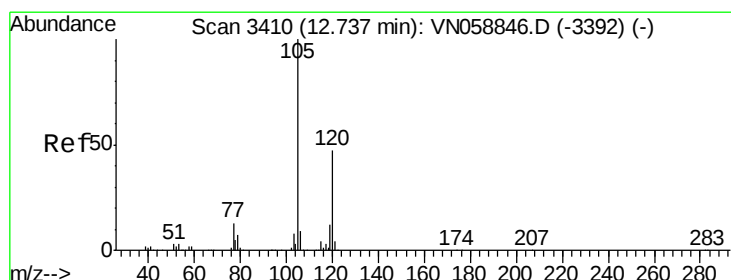
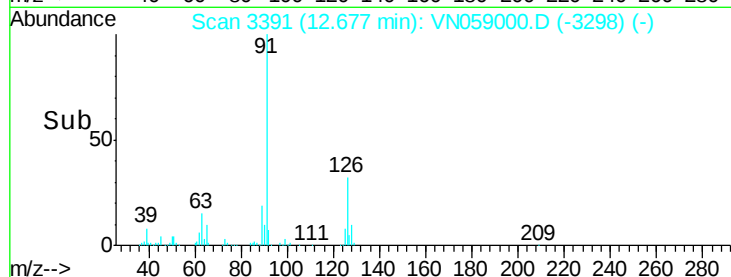
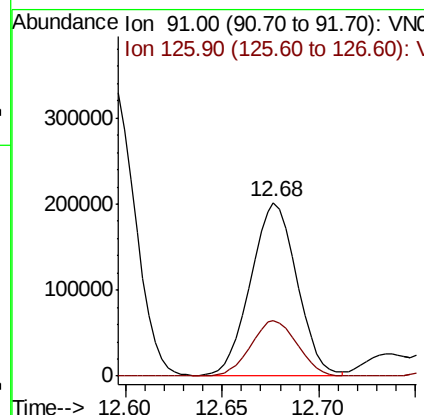
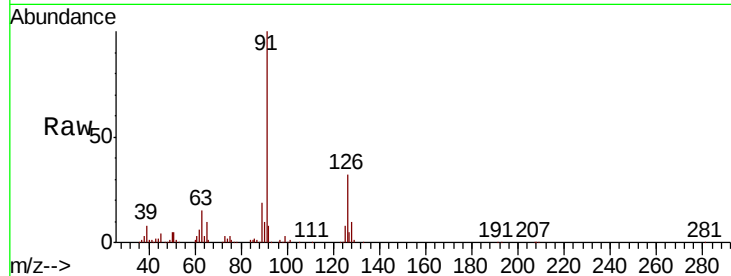
#79
 2-Chlorotoluene
 Concen: 21.495 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	32.4	16.2	48.6	

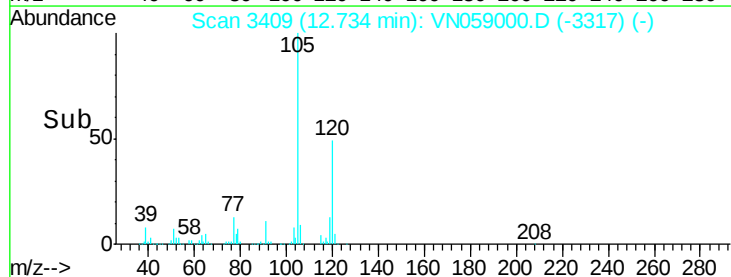
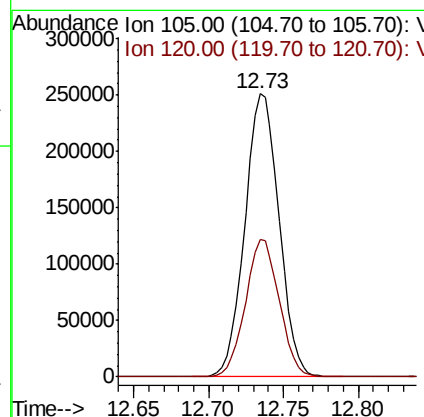
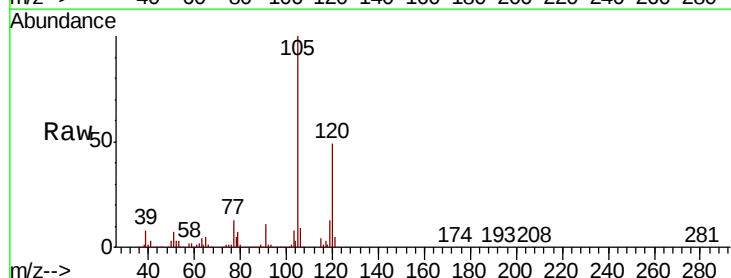
Manual Integrations
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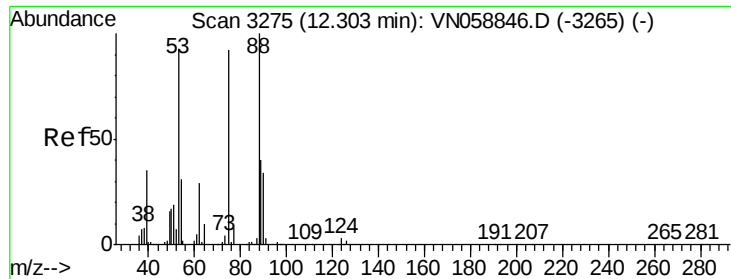
MMDadoda
 10/30/2019 3:53:40 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.975 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	48.1	23.8	71.5	





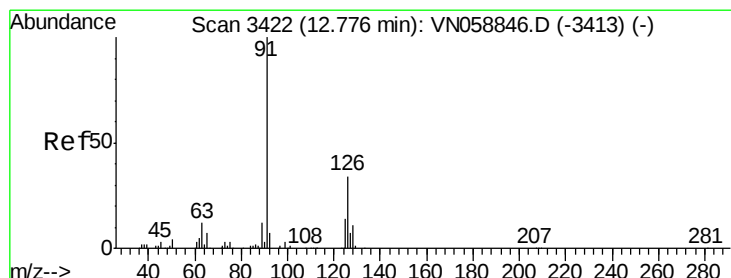
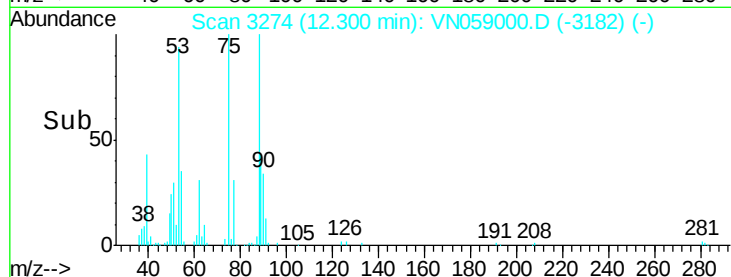
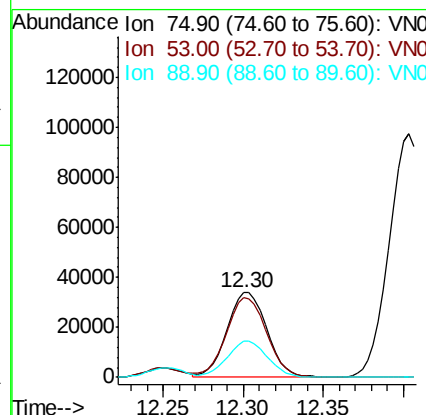
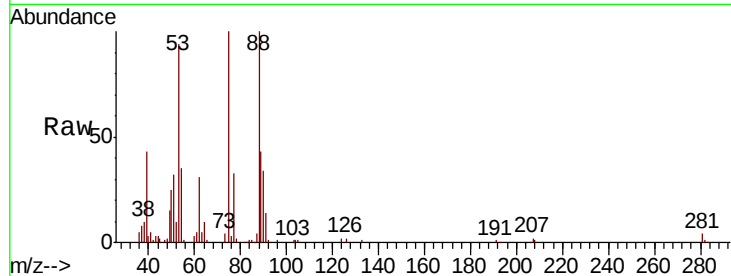
#81
trans-1,4-Dichloro-2-butene
Concen: 21.503 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	78.6	118.0
89	44.1	35.4	53.0

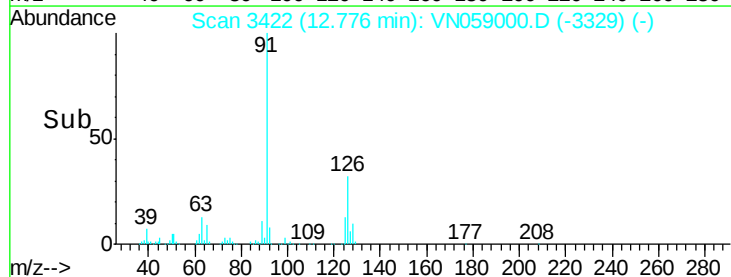
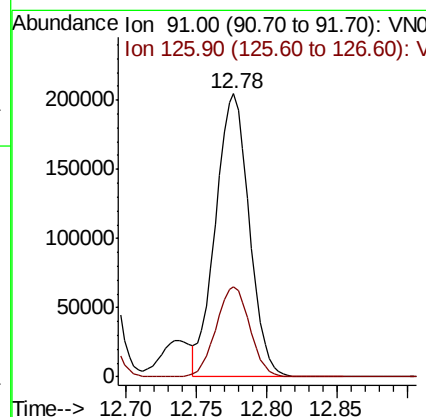
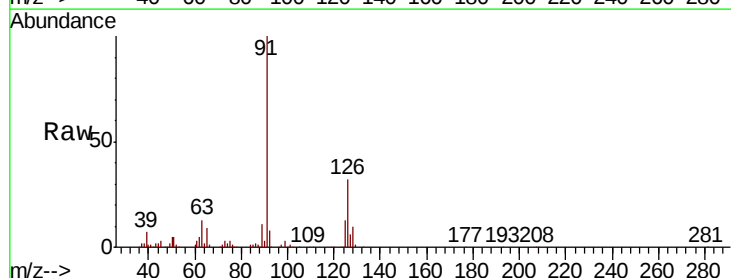
Manual Integrations
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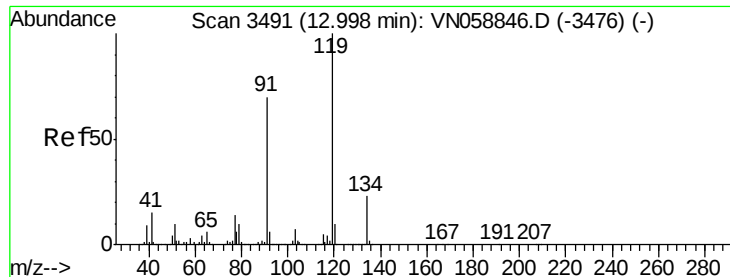
MMDadoda
10/30/2019 3:53:40 PM



#82
4-Chlorotoluene
Concen: 21.164 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





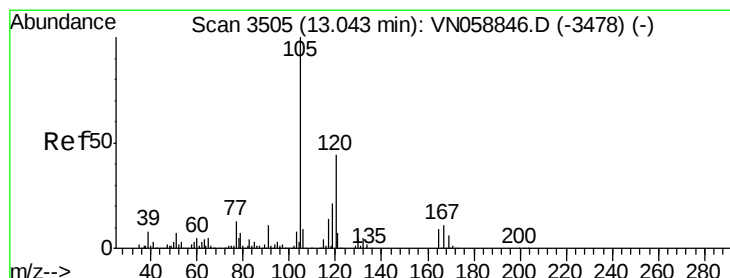
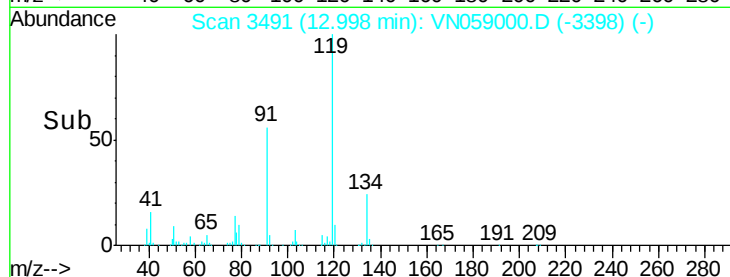
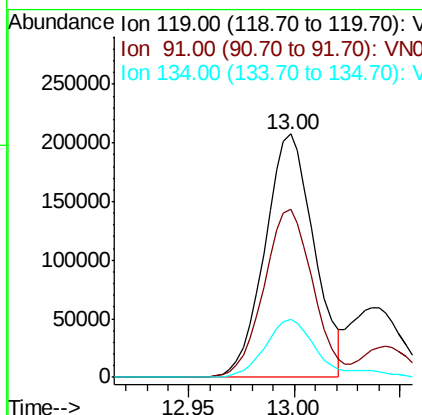
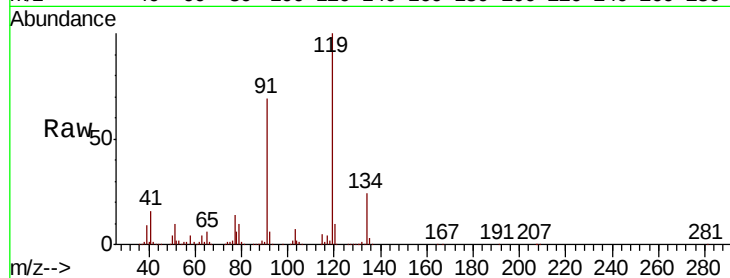
#83
 tert-Butylbenzene
 Concen: 21.576 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.1	102.3
134	26.0	11.6	34.8

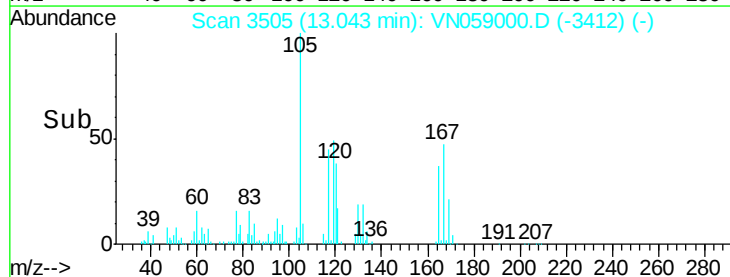
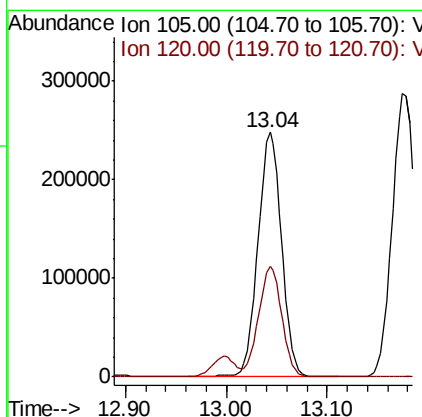
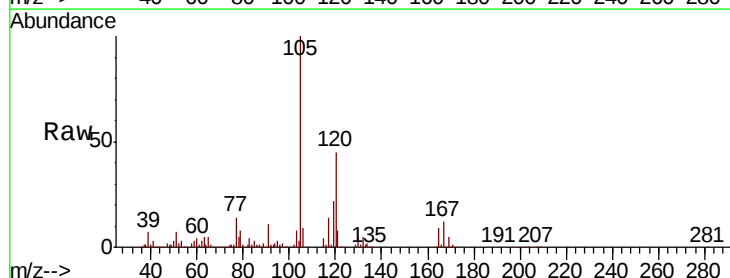
Manual Integrations
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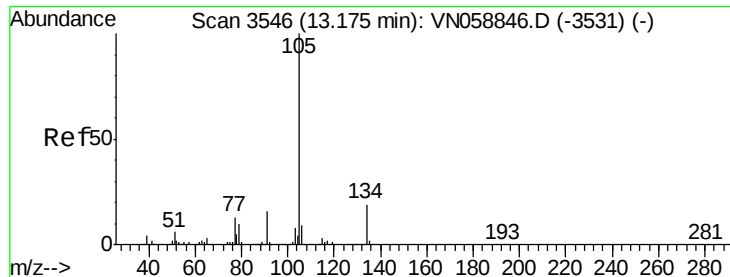
MMDadoda
 10/30/2019 3:53:40 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.380 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.8





#85

sec-Butylbenzene

Concen: 22.125 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBS01

Tot Ion:105 Resp: 457773

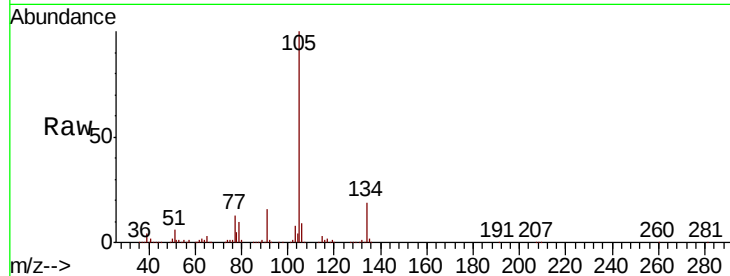
Ion Ratio Lower Upper

105 100

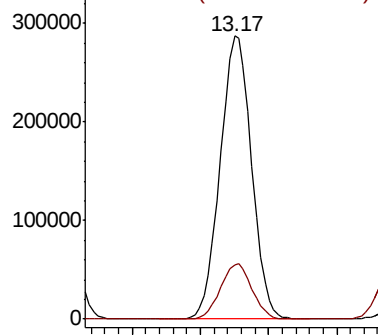
134 19.6 9.4 28.2

Manual Integrations
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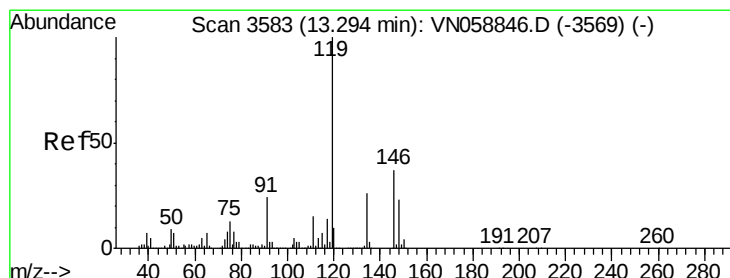
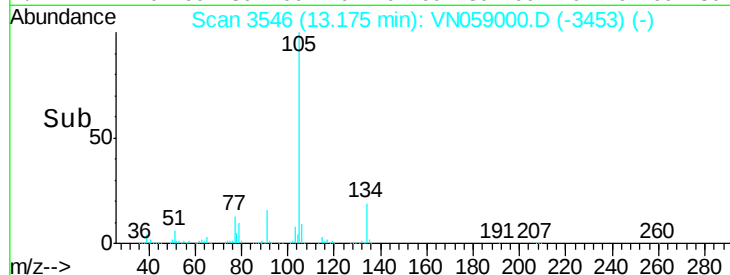
MMDadoda
10/30/2019 3:53:40 PM



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 22.389 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059000.D

Acq: 29 Oct 2019 11:21

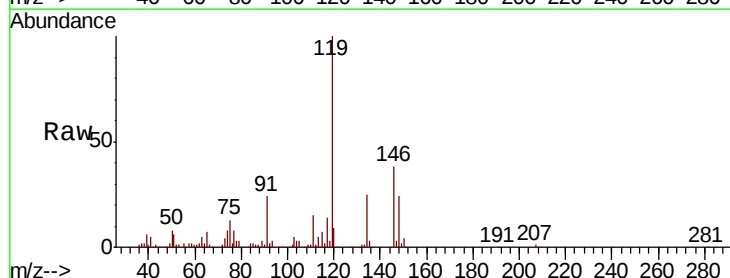
Tgt Ion:119 Resp: 408732

Ion Ratio Lower Upper

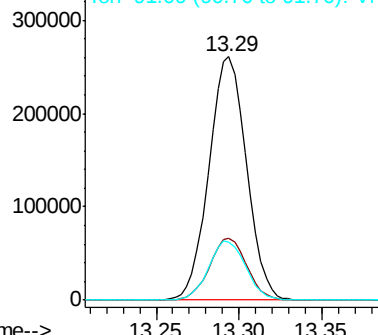
119 100

134 25.4 12.8 38.4

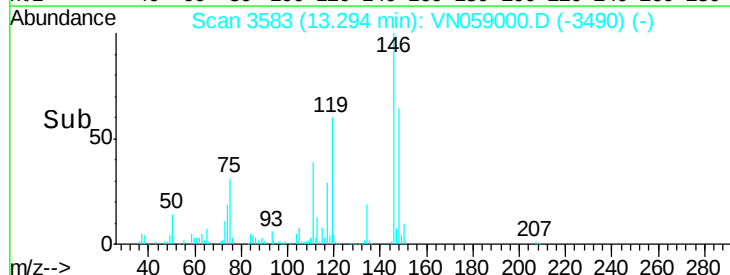
91 24.3 12.2 36.4

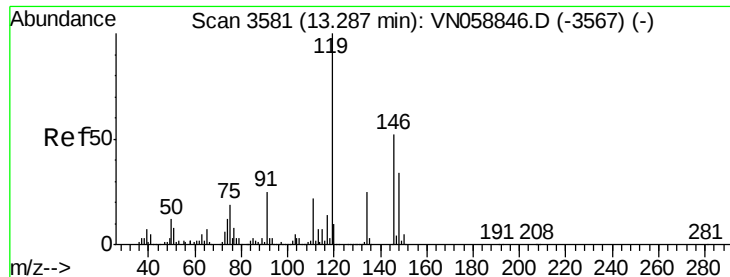


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



Time-->





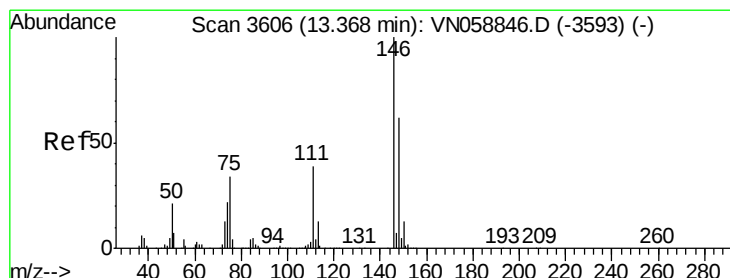
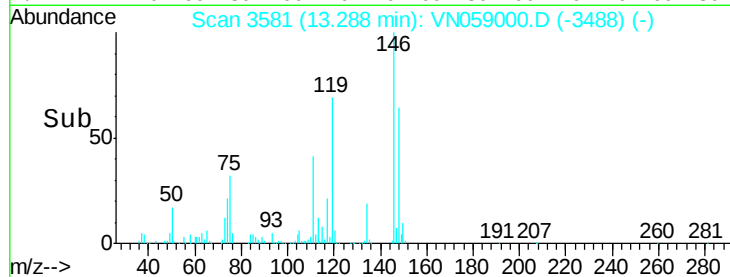
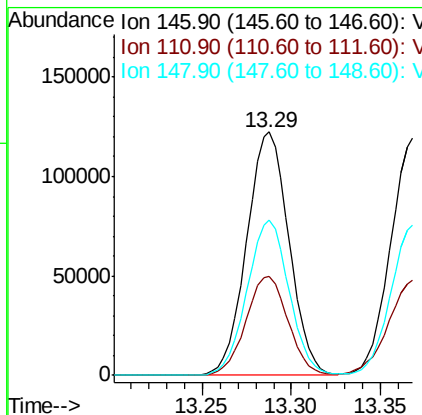
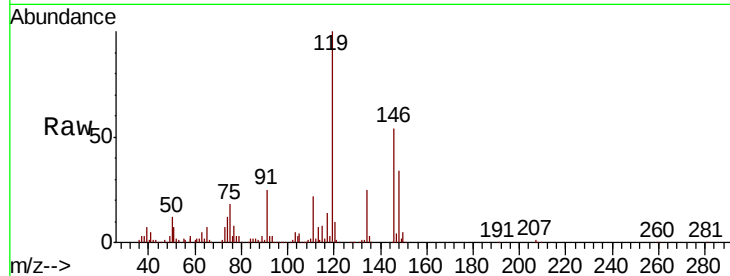
#87
 1,3-Dichlorobenzene
 Concen: 21.309 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.0	63.0
148	63.2	32.1	96.3

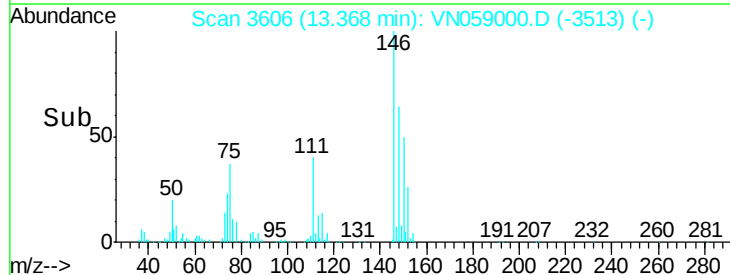
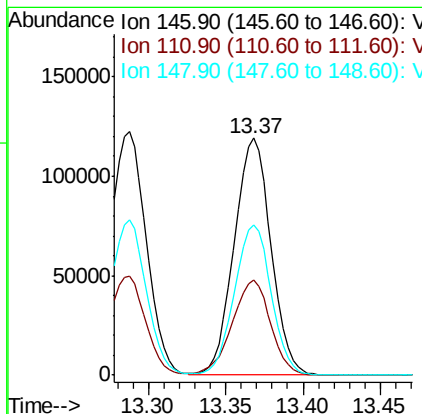
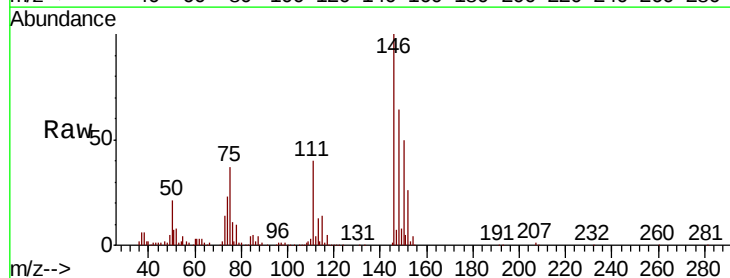
Manual Integrations
 APPROVED

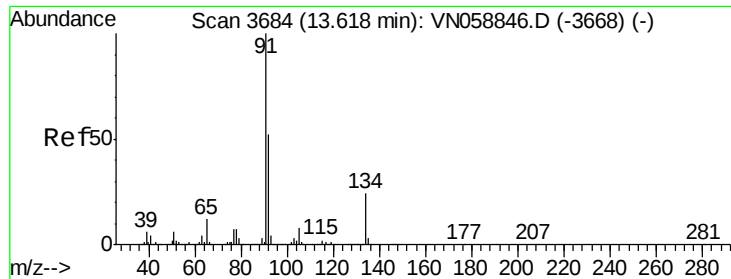
MMDadoda
 10/30/2019 3:53:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.591 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.2	60.6
148	63.9	31.6	94.7





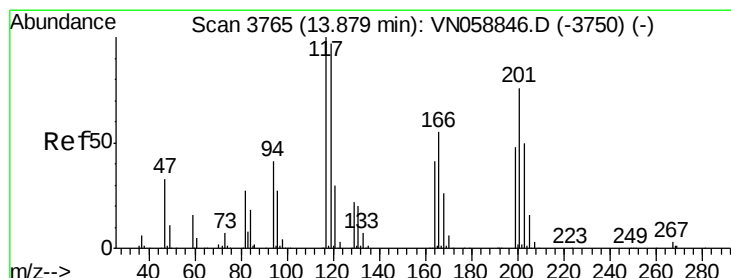
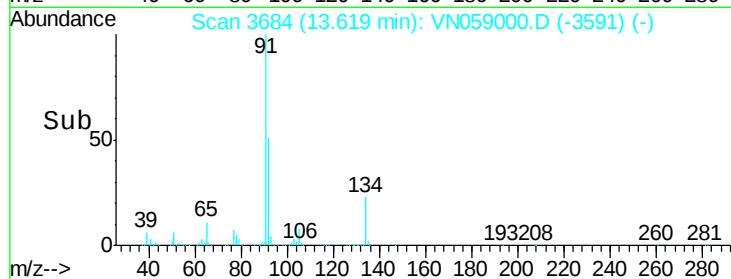
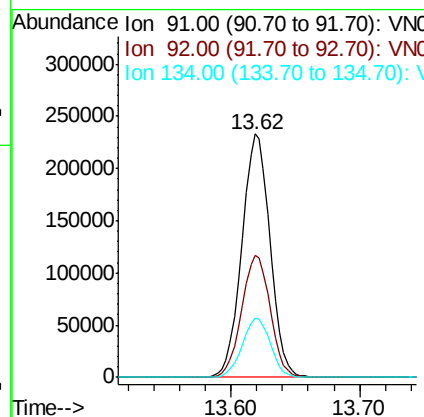
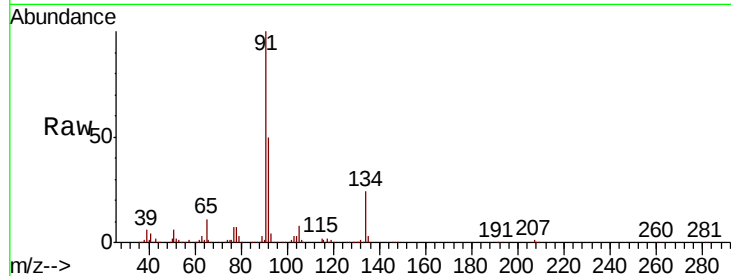
#89
n-Butylbenzene
Concen: 21.097 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.7	77.1
134	24.5	11.9	35.5

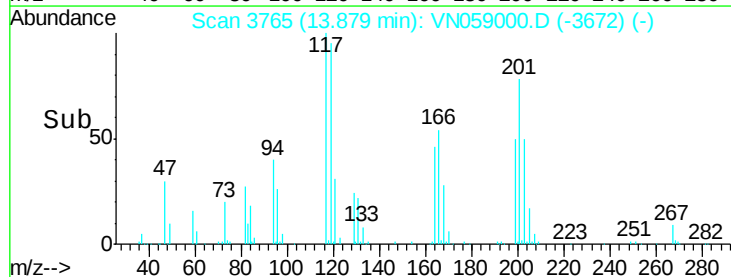
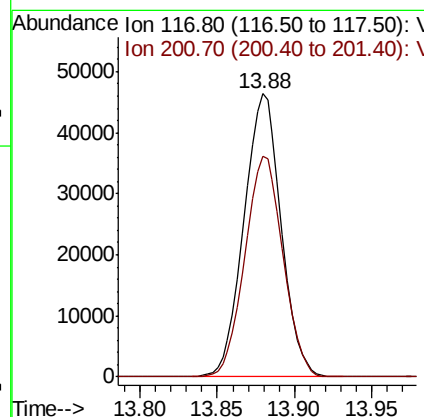
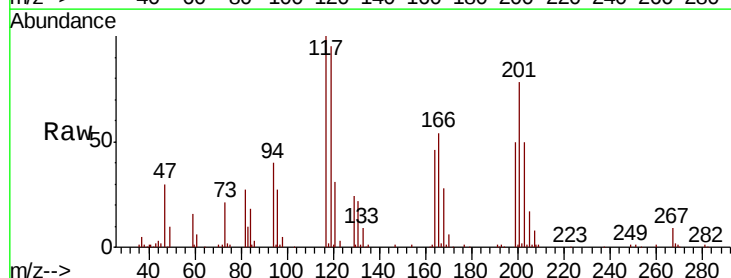
Manual Integrations
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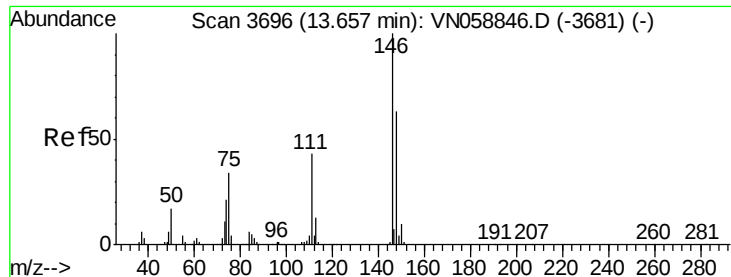
MMDadoda
10/30/2019 3:53:40 PM



#90
Hexachloroethane
Concen: 20.940 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	38.9	116.6





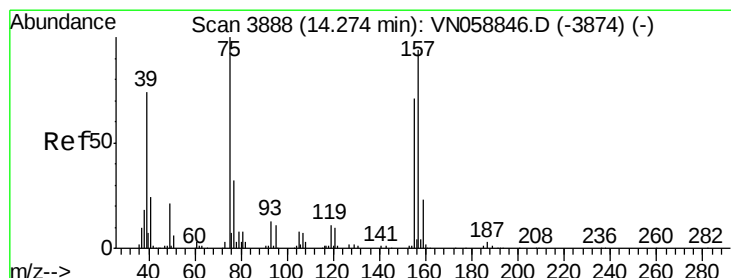
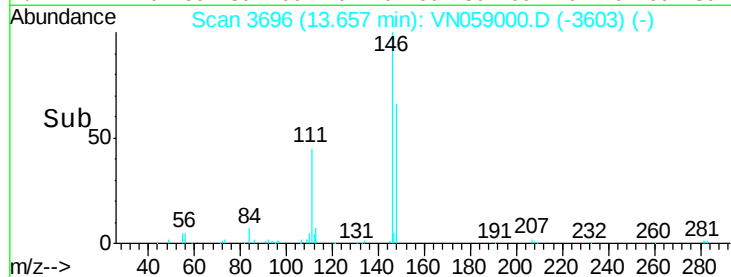
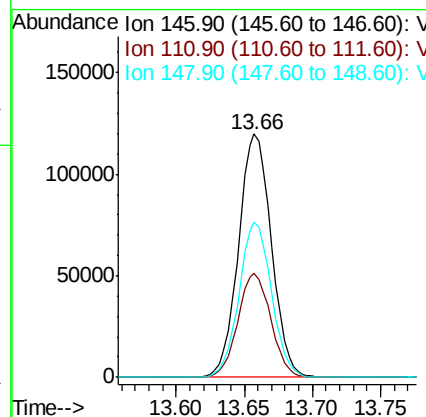
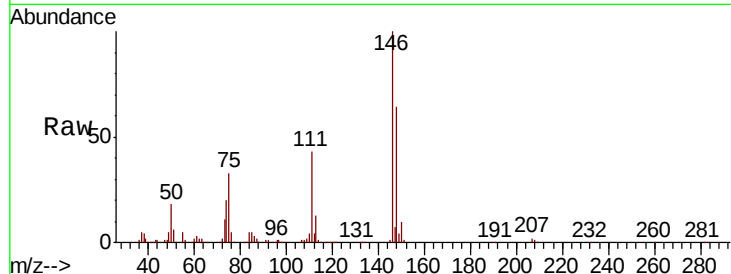
#91
 1,2-Dichlorobenzene
 Concen: 21.418 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	62.9	31.9	95.9

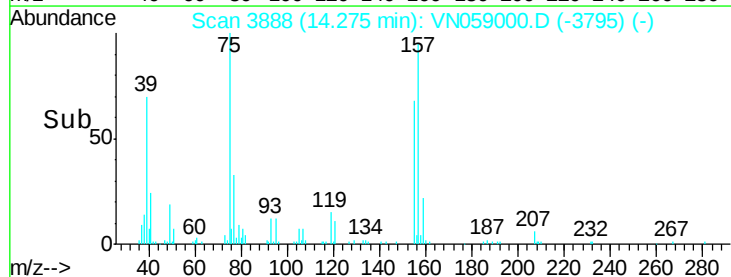
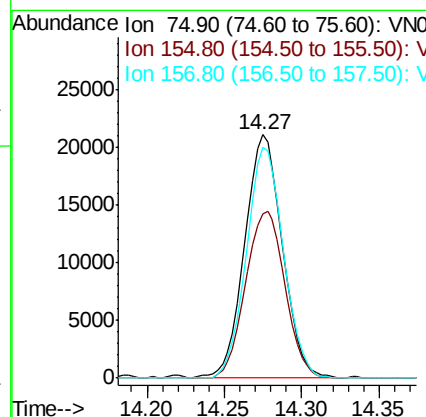
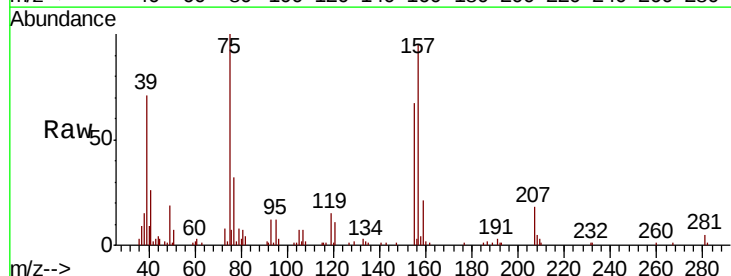
Manual Integrations
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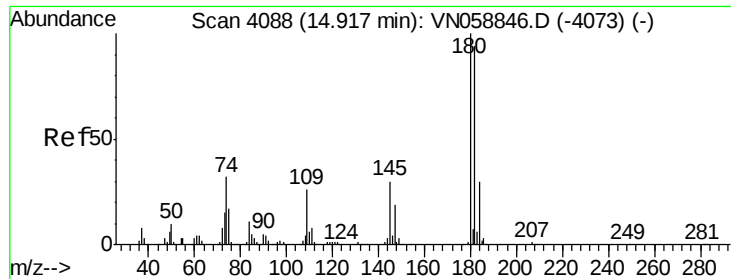
MMDadoda
 10/30/2019 3:53:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.852 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	35.6	106.8
157	93.2	47.4	142.2





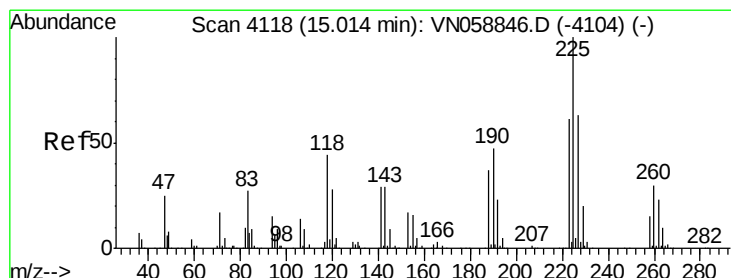
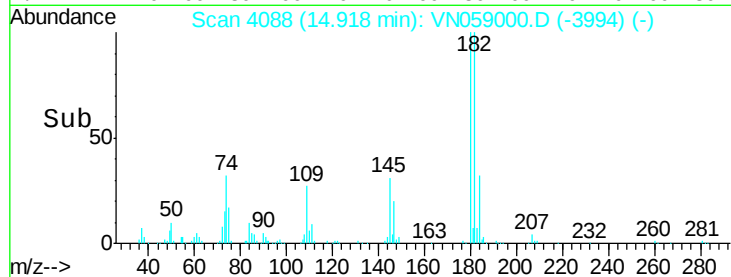
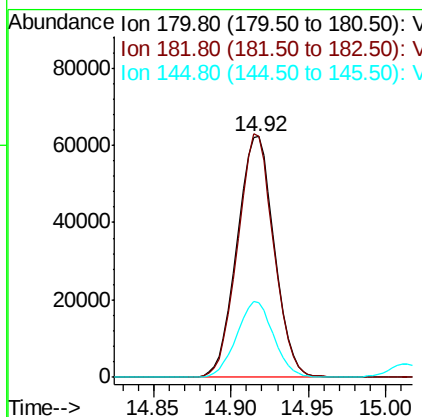
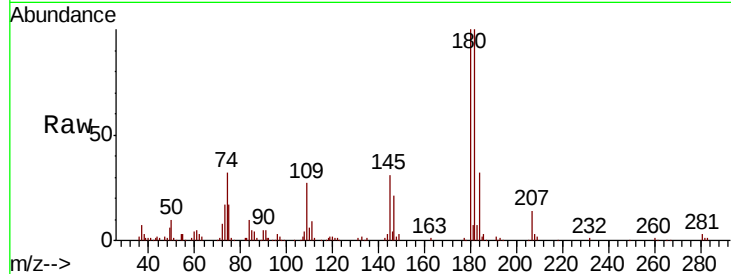
#93
 1,2,4-Trichlorobenzene
 Concen: 19.304 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104102		
182	97.6	47.3	142.0	
145	31.3	15.3	45.8	

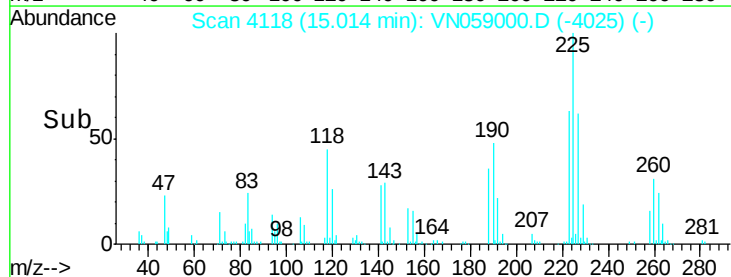
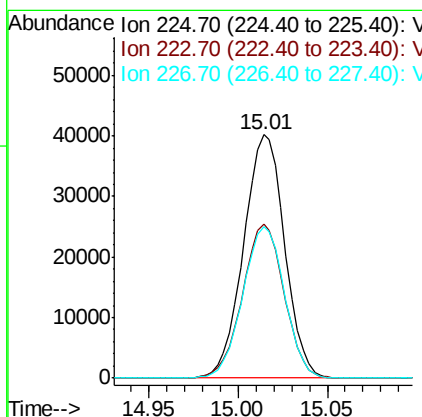
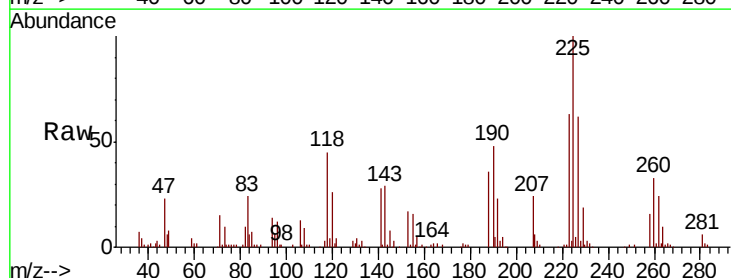
Manual Integrations
 APPROVED

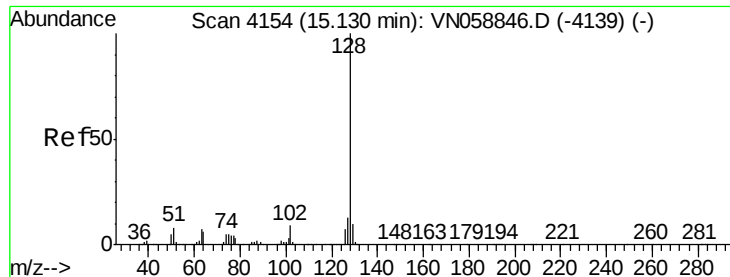
MMDadoda
 10/30/2019 3:53:40 PM



#94
 Hexachlorobutadiene
 Concen: 21.236 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059000.D
 Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64398		
223	64.2	30.9	92.5	
227	63.5	31.6	94.7	





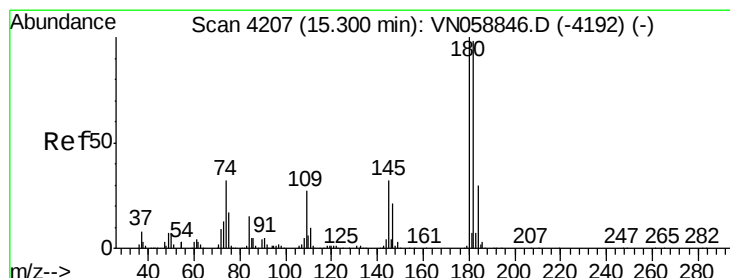
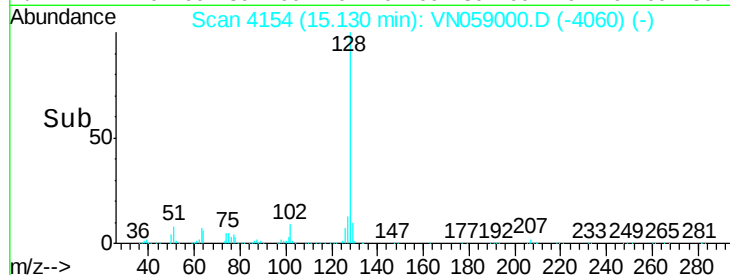
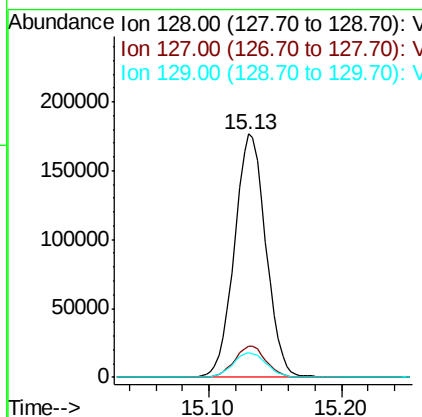
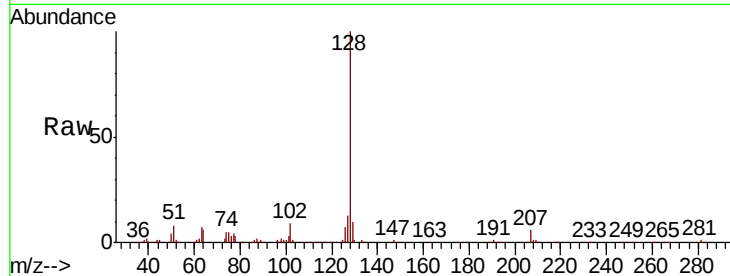
#95
Naphthalene
Concen: 18.645 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.7	8.4	12.6

Manual Integrations
APPROVED

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10/30/2019 3:53:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.105 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059000.D
Acq: 29 Oct 2019 11:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.7
145	33.5	15.9	47.7

