

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058339.D
 Acq On : 24 Sep 2019 11:14
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 8:23:49 AM

Quant Time: Sep 25 01:29:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	94900	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	560804	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	504931	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	250547	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.41	95	267955	30.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.90%
63) Toluene-d8	10.08	98	726294	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	571939	98.911 ug/l	99
3) Chloromethane	2.04	50	644786	91.665 ug/l	100
4) Vinyl Chloride	2.17	62	641027	89.460 ug/l	96
5) Bromomethane	2.54	94	340727	79.530 ug/l	100
6) Chloroethane	2.68	64	383215	86.819 ug/l	96
7) Trichlorofluoromethane	3.00	101	750561	92.161 ug/l	98
8) Diethyl Ether	3.39	74	338105	99.069 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	516319	97.651 ug/l	99
10) 1,1-Dichloroethene	3.72	96	506435	99.703 ug/l	99
11) Methyl Iodide	3.93	142	608786	95.730 ug/l	99
12) Methyl Acetate	4.30	43	679969	99.555 ug/l	100
13) Acrolein	3.59	56	116519	335.773 ug/l	98
14) Acrylonitrile	4.96	53	1432108	509.081 ug/l	100
15) Acetone	3.79	58	375577	472.981 ug/l	95
16) Carbon Disulfide	4.03	76	1461456	119.914 ug/l	99
17) Allyl chloride	4.30	41	976710	104.438 ug/l	95
18) Methylene Chloride	4.53	84	598349	94.650 ug/l	94
19) trans-1,2-Dichloroethene	5.02	96	571017	100.891 ug/l	96
20) Diisopropyl ether	5.93	45	2102982	98.407 ug/l	97
21) 1,1-Dichloroethane	5.83	63	1145849	97.257 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	672254	98.086 ug/l	99
23) tert-Butyl Alcohol	4.76	59	517967	554.561 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	1849180	96.611 ug/l	99
25) Chloroform	7.36	83	1158791	96.512 ug/l	100
26) Cyclohexane	7.64	56	1089743	107.239 ug/l	99
29) 1,1-Dichloropropene	7.78	75	916032	102.374 ug/l	99
30) 2-Butanone	6.81	43	2049913	509.969 ug/l	100
31) 2,2-Dichloropropane	6.81	77	951007	100.766 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1000719	100.369 ug/l	99
33) Carbon Tetrachloride	7.76	117	855813	103.762 ug/l	97
34) Benzene	8.03	78	2577458	97.992 ug/l	# 92
35) Methacrylonitrile	7.16	41	372464m	98.132 ug/l	
36) 1,2-Dichloroethane	8.11	62	1003783	98.425 ug/l	100
37) Trichloroethene	8.82	130	644981	100.366 ug/l	99
38) Methylcyclohexane	9.07	83	1111599	108.077 ug/l	98
39) 1,2-Dichloropropane	9.11	63	698575	95.254 ug/l	97
40) Dibromomethane	9.20	93	447283	99.690 ug/l	97

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Quant Time: Sep 25 01:29:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	910006	100.548	ug/l	99
42) Vinyl Acetate	5.87	43	7690507	477.194	ug/l	96
43) Ethyl Acetate	6.91	43	846645	104.112	ug/l	95
44) Isopropyl Acetate	8.15	43	1496170	103.694	ug/l #	84
45) 1,4-Dioxane	9.19	88	237846	2061.395	ug/l	95
46) Methyl methacrylate	9.19	41	714350	102.401	ug/l	96
47) n-amyl Acetate	12.07	43	1374202	105.115	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1034358	106.756	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	1113213	102.217	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	615841	95.183	ug/l	98
51) Ethyl methacrylate	10.43	69	1030394	102.140	ug/l	97
52) 1,3-Dichloropropane	10.71	76	1107243	97.356	ug/l	100
53) Dibromochloromethane	10.90	129	668343	103.442	ug/l	100
54) 1,2-Dibromoethane	11.00	107	644959	99.520	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	2208523	476.428	ug/l	99
56) Bromoform	12.13	173	438423	109.592	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3753233	475.303	ug/l	91
59) 2-Hexanone	10.75	43	2923807	492.973	ug/l	94
61) Tetrachloroethene	10.63	164	530903	102.334	ug/l	99
62) Toluene	10.15	91	2737776	97.579	ug/l	97
64) Chlorobenzene	11.44	112	1690436	97.187	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	612581	101.142	ug/l	99
66) Ethyl Benzene	11.51	91	2970364	96.729	ug/l	92
67) m/p-Xylenes	11.62	106	2337857	199.298	ug/l	81
68) o-Xylene	11.95	106	1145092	99.475	ug/l	97
69) Styrene	11.97	104	1958399	100.385	ug/l	100
70) Isopropylbenzene	12.25	105	2911635	96.342	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.51	83	932631	98.765	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	770998m	91.998	ug/l	
73) Bromobenzene	12.53	156	712598	97.726	ug/l	97
74) n-propylbenzene	12.60	91	3313302	95.740	ug/l	94
75) 2-Chlorotoluene	12.68	91	2131979	98.702	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	2556230	98.963	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	300016	118.094	ug/l	90
78) 4-Chlorotoluene	12.78	91	2228649	100.701	ug/l	99
79) tert-butylbenzene	13.00	119	2234604	99.837	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	2538716	98.424	ug/l	94
81) sec-Butylbenzene	13.18	105	2882053	96.313	ug/l	97
82) p-Isopropyltoluene	13.30	119	2638727	98.883	ug/l	97
83) 1,3-Dichlorobenzene	13.29	146	1333308	98.908	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	1340841	100.750	ug/l	99
85) n-Butylbenzene	13.62	91	2509818	101.187	ug/l	95
86) Hexachloroethane	13.88	117	456099	106.221	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	1300281	98.979	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	192940	113.770	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	878599	109.095	ug/l	99
90) Hexachlorobutadiene	15.02	225	408328	109.697	ug/l	97
91) Naphthalene	15.14	128	2380591	108.070	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	822396	107.416	ug/l	99

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ClientSampleId :
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QLast Update : Wed Sep 25 01:14:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

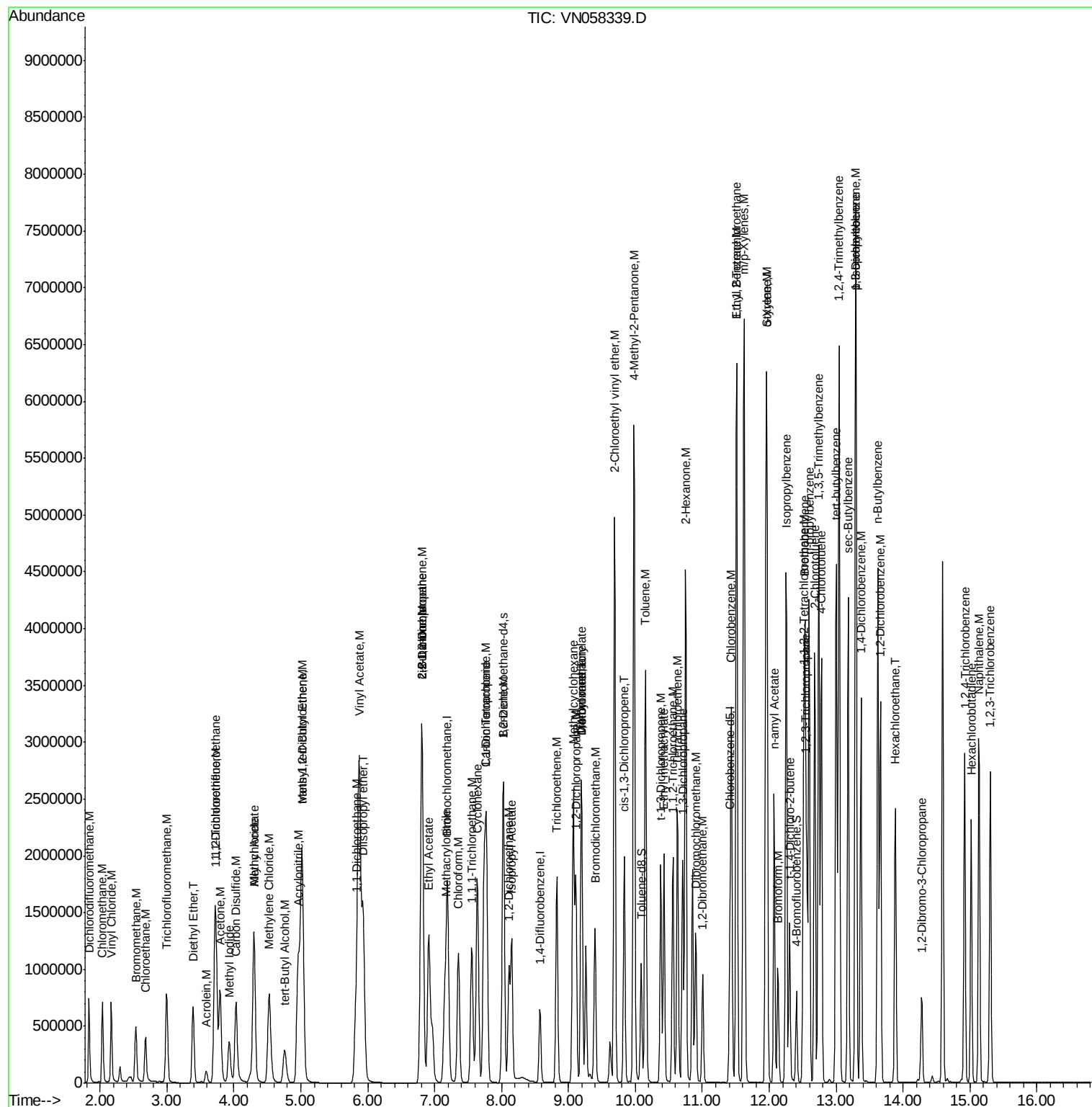
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
Data File : VN058339.D
Acq On : 24 Sep 2019 11:14
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

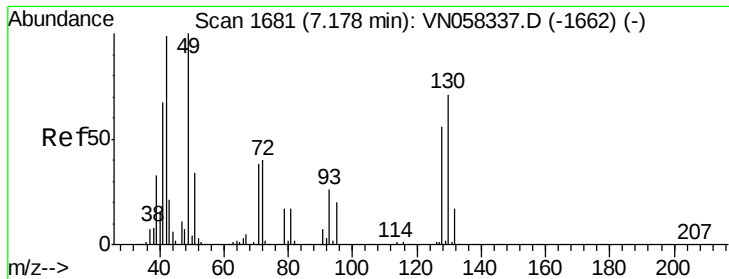
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
9/25/2019 8:23:49 AM

Quant Time: Sep 25 01:29:51 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

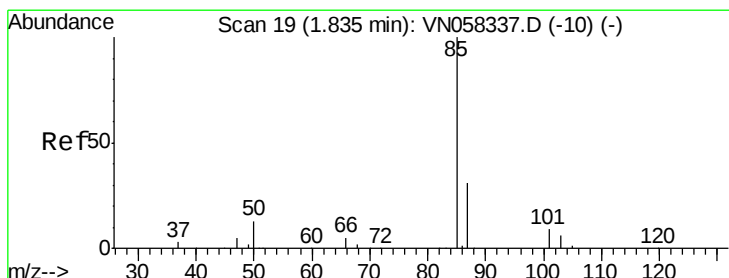
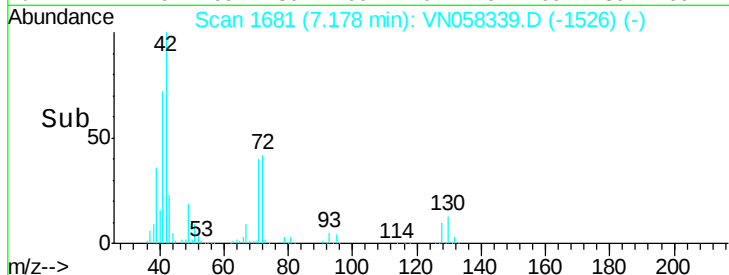
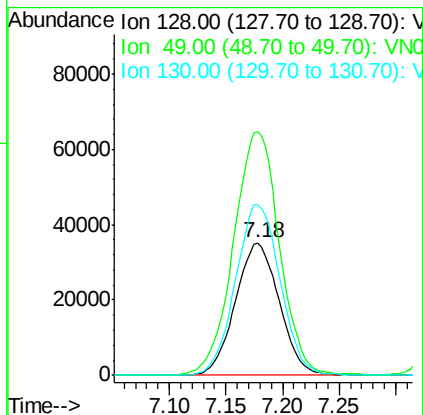
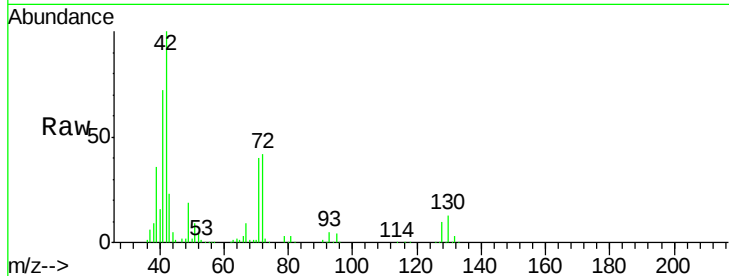
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	94900
Ion	Ratio	Lower	Upper
128	100		
49	191.9	0.0	458.5
130	131.3	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 98.911 ug/l

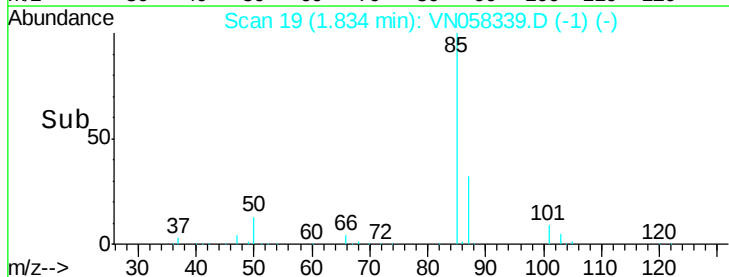
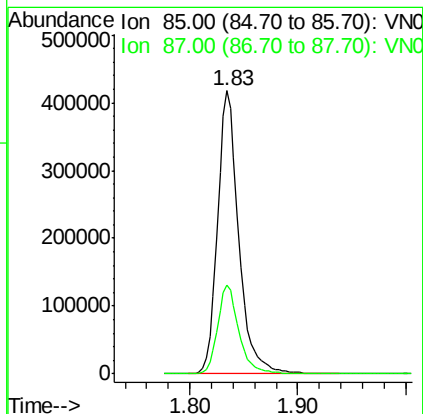
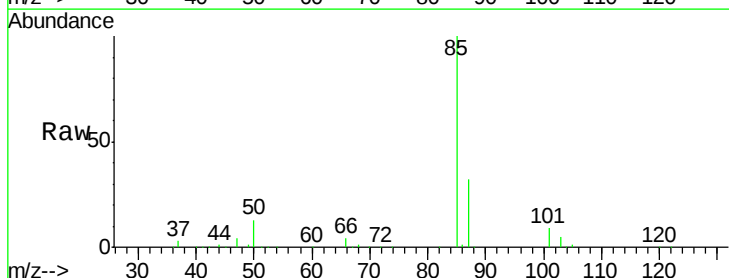
RT: 1.83 min Scan# 19

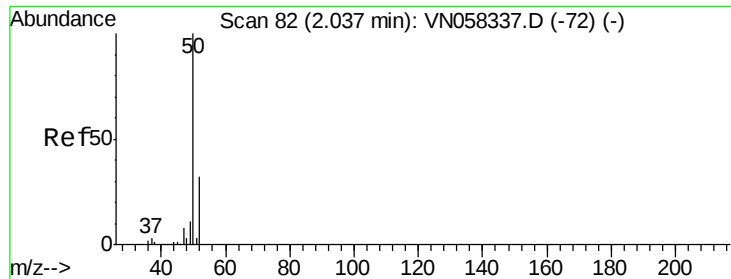
Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Tgt Ion:	85	Resp:	571939
Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.5	46.5





#3

Chloromethane

Concen: 91.665 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 644786

Ion Ratio Lower Upper

50 100

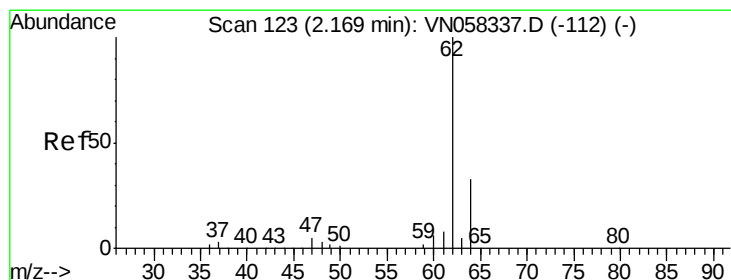
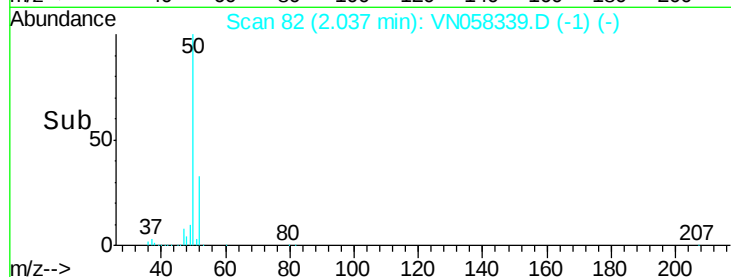
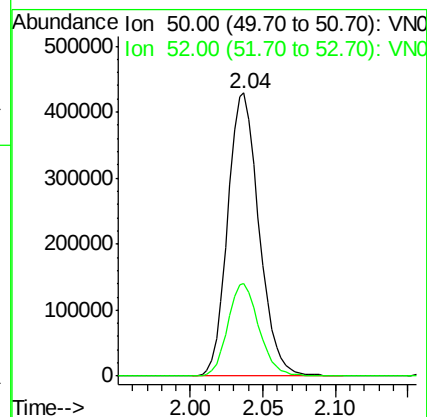
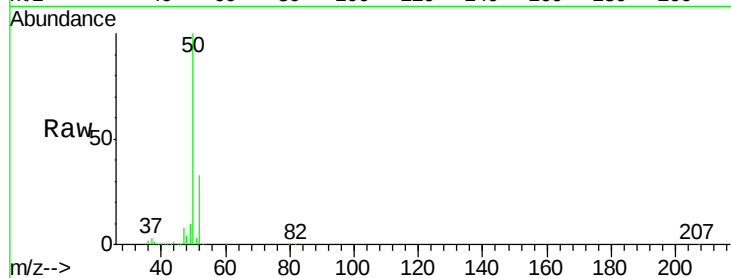
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 89.460 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058339.D

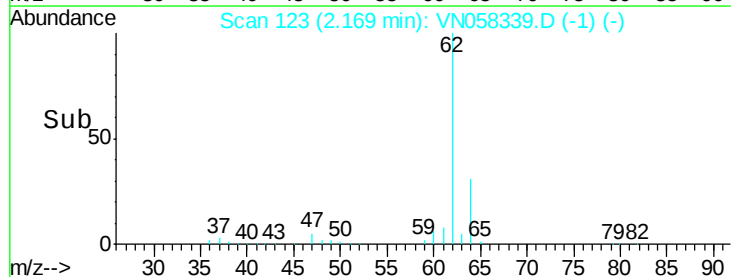
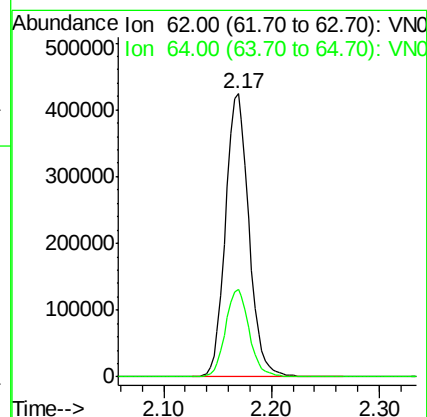
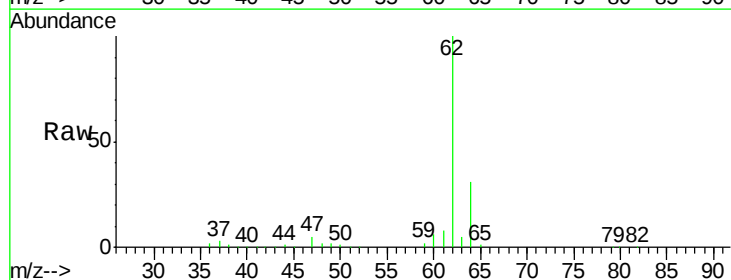
Acq: 24 Sep 2019 11:14

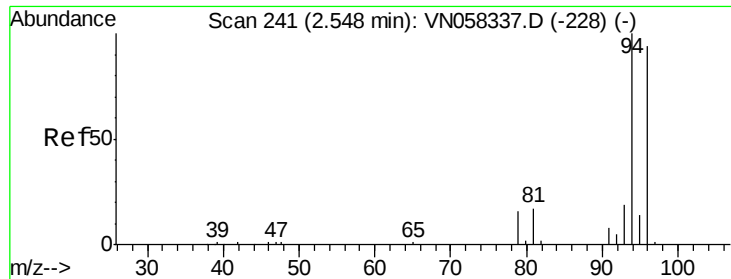
Tgt Ion: 62 Resp: 641027

Ion Ratio Lower Upper

62 100

64 30.9 26.6 40.0





#5

Bromomethane

Concen: 79.530 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 340727

Ion Ratio Lower Upper

94 100

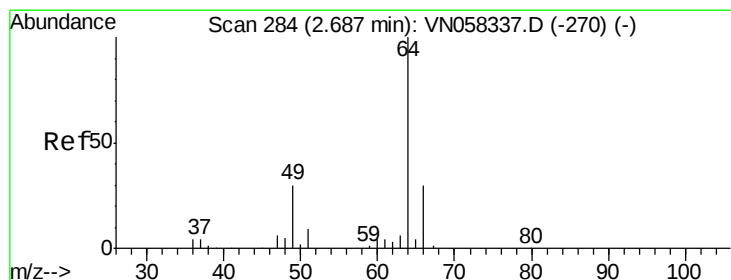
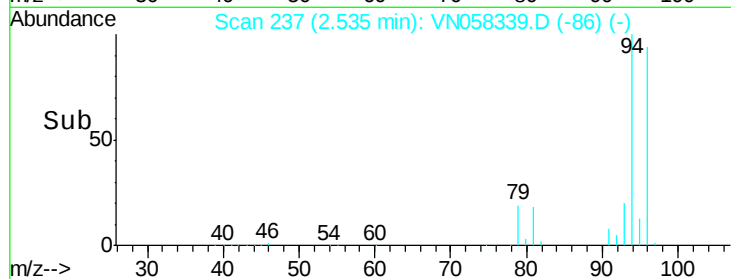
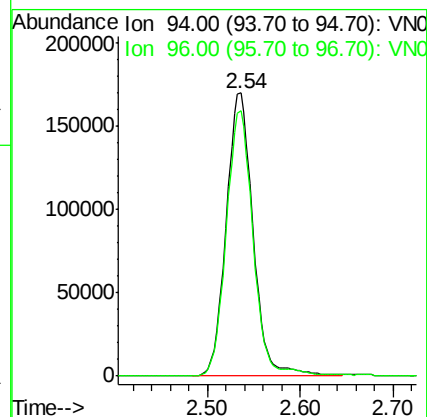
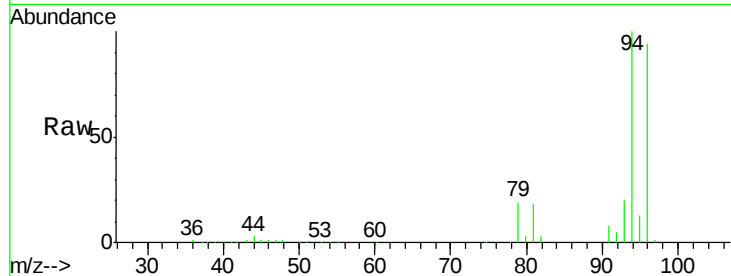
96 94.0 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 86.819 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN058339.D

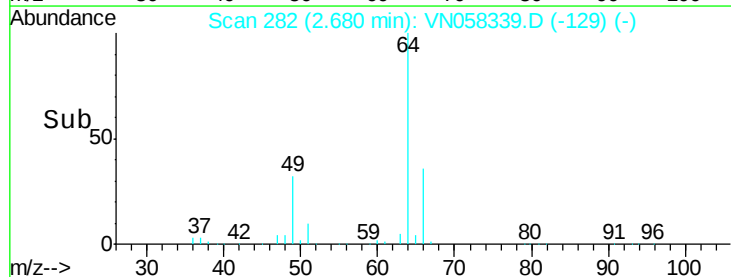
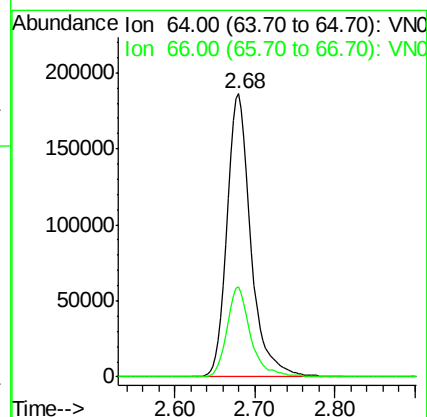
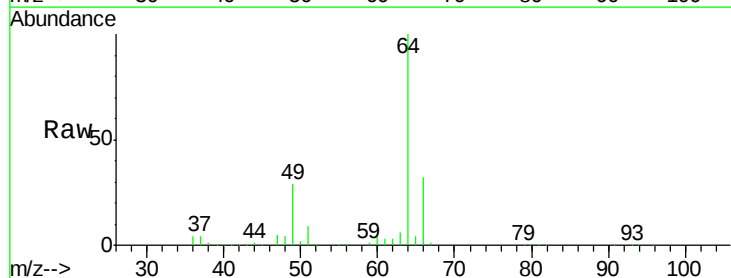
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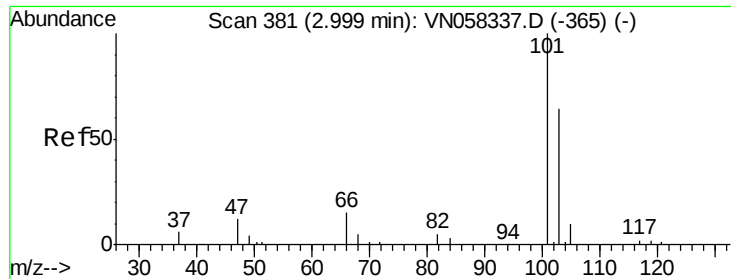
Tgt Ion: 64 Resp: 383215

Ion Ratio Lower Upper

64 100

66 31.7 23.8 35.6





#7

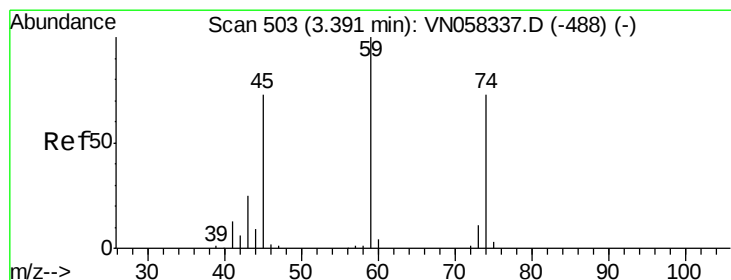
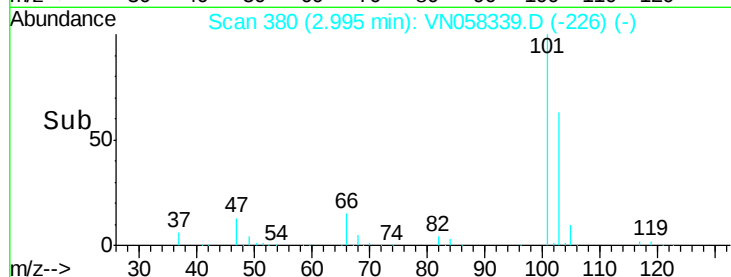
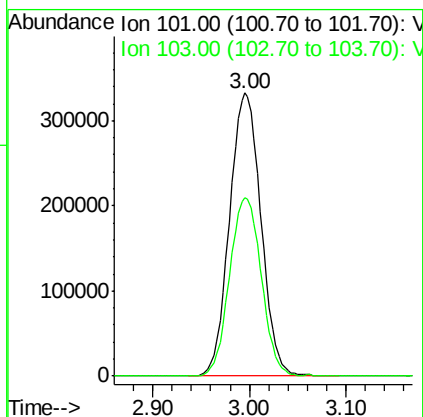
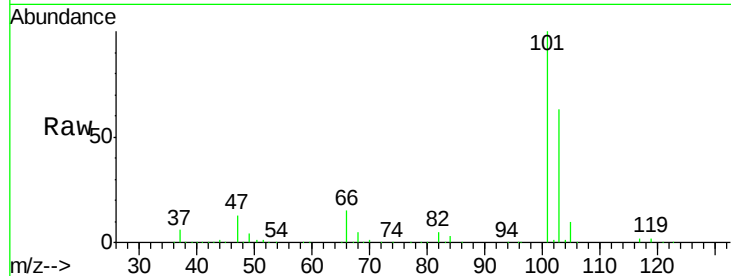
Trichlorofluoromethane
Concen: 92.161 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.5	77.3

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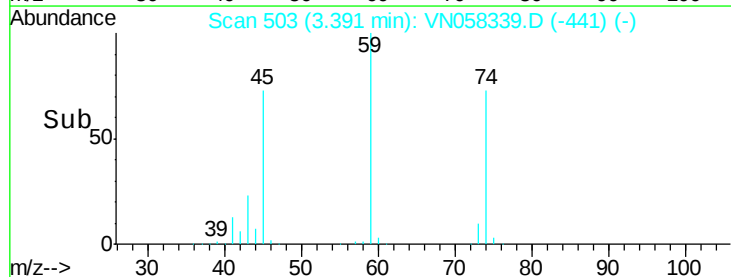
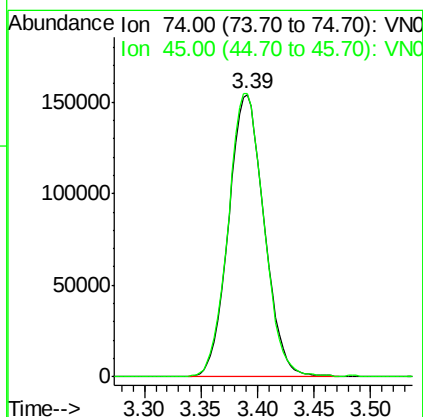
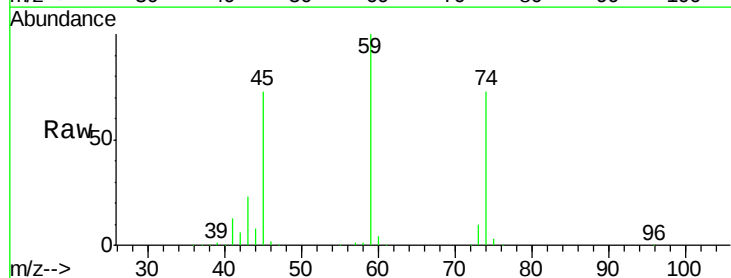
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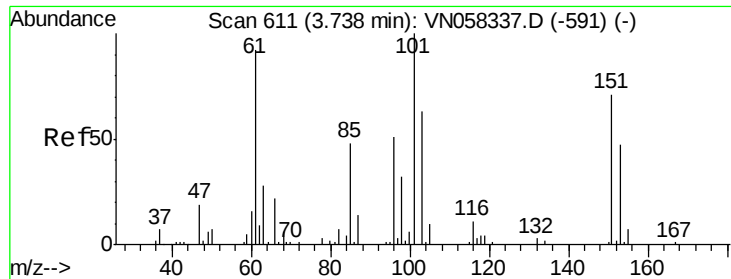


#8

Diethyl Ether
Concen: 99.069 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	20.8	187.6





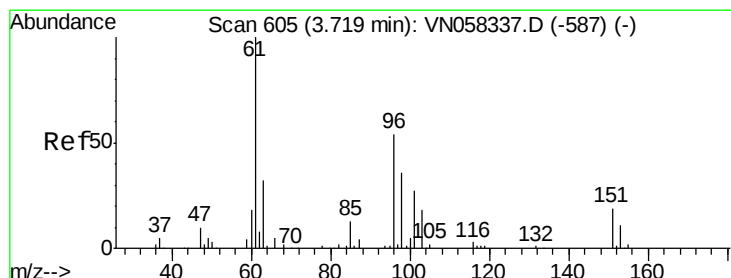
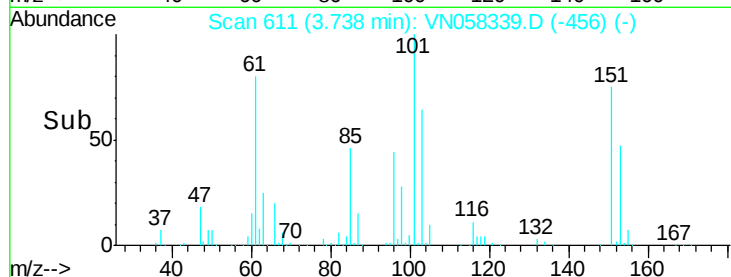
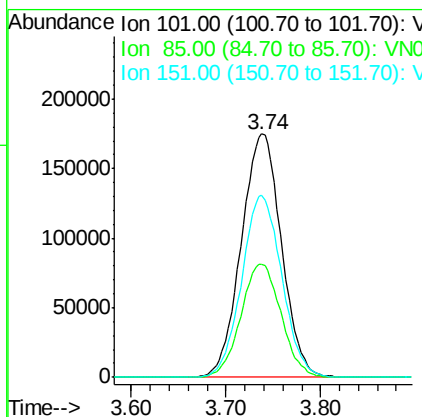
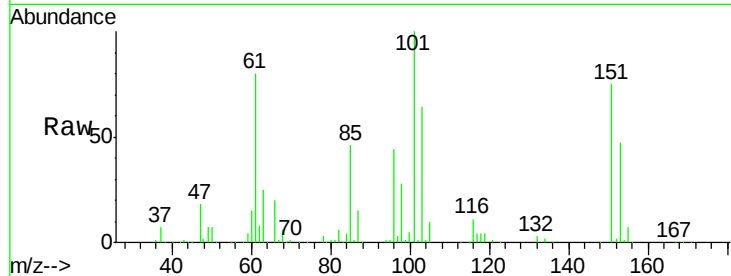
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 97.651 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	516319		
85	46.6	0.0	93.0	
151	74.5	0.0	147.2	

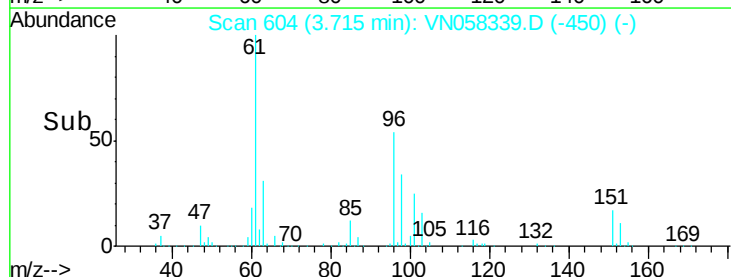
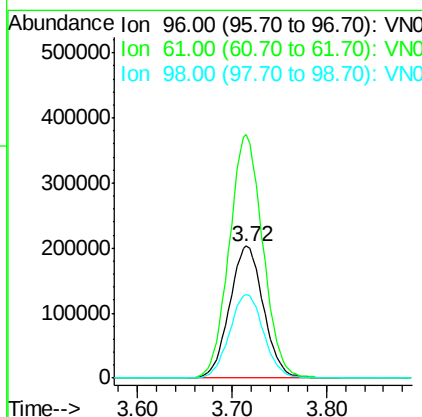
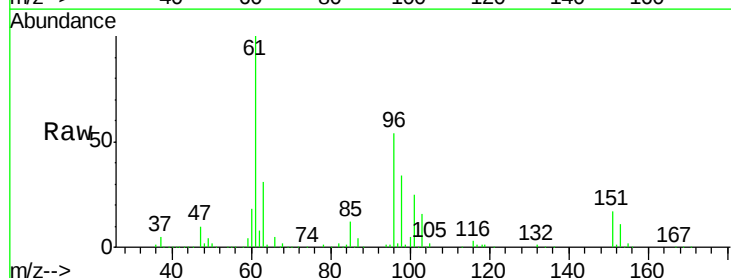
Manual Integrations
 APPROVED

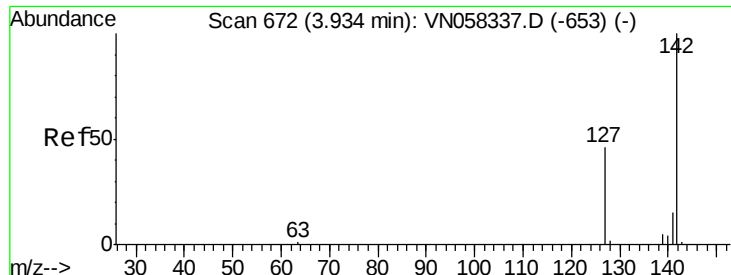
MMDadoda
 9/25/2019 8:23:49 AM



#10
 1,1-Dichloroethene
 Concen: 99.703 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	506435		
61	184.5	146.9	220.3	
98	63.4	52.3	78.5	





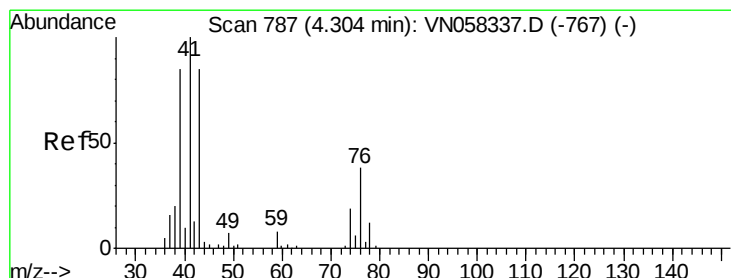
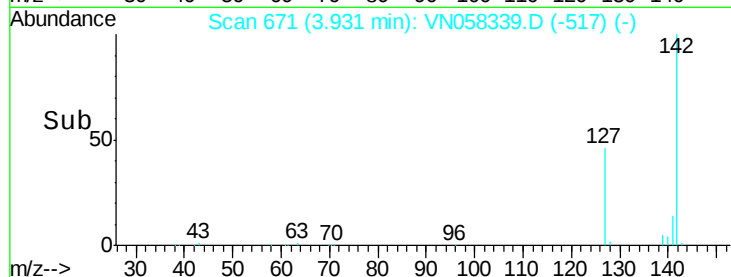
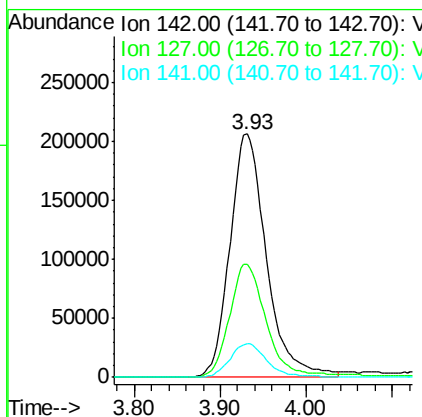
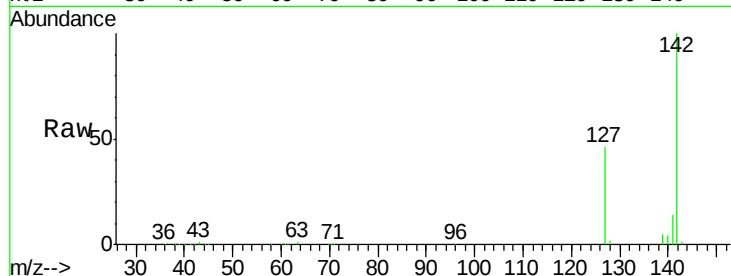
#11
Methvl Iodide
Concen: 95.730 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.1	22.9	68.7
141	13.8	7.4	22.3

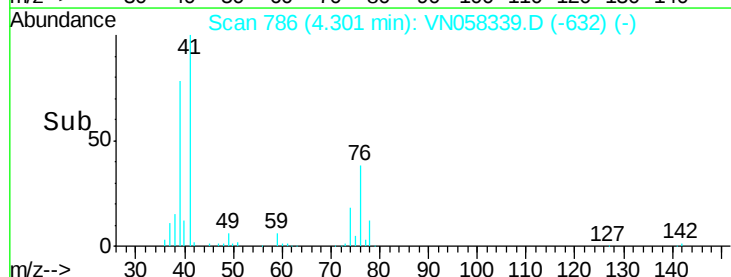
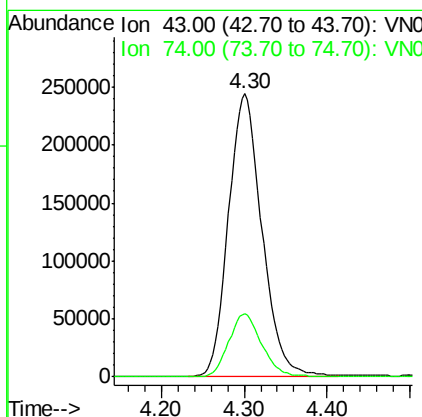
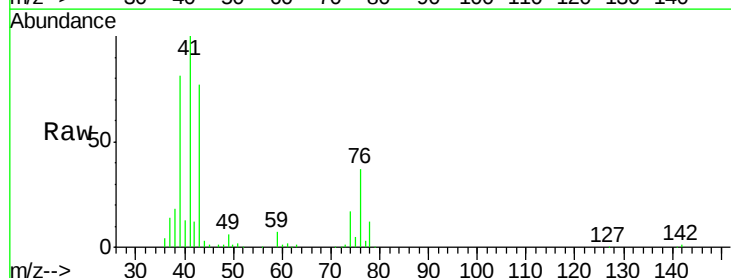
Manual Integrations
APPROVED

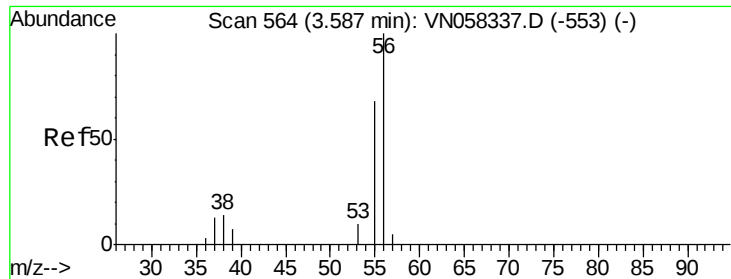
MMDadoda
9/25/2019 8:23:49 AM



#12
Methyl Acetate
Concen: 99.555 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	17.8	26.6





#13

Acrolein

Concen: 335.773 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 116519

Ion Ratio Lower Upper

56 100

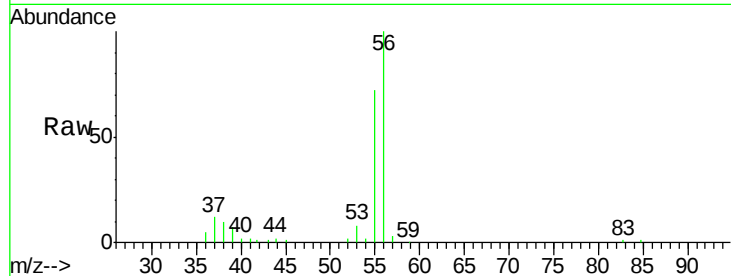
55 71.5 58.4 87.6

Manual Integrations

APPROVED

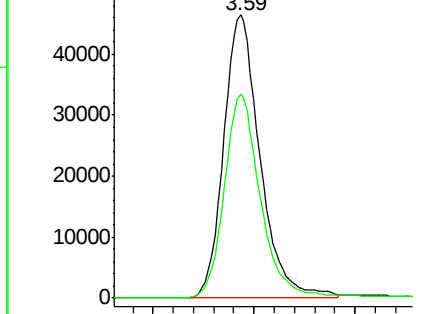
MMDadoda

9/25/2019 8:23:49 AM

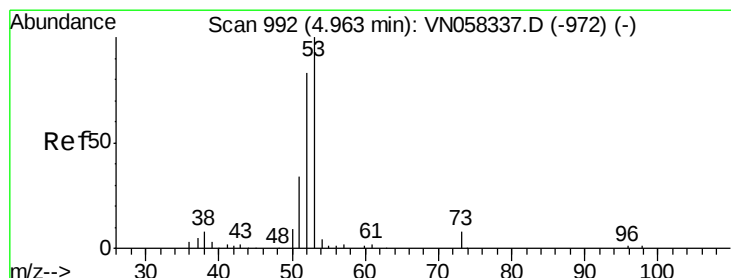
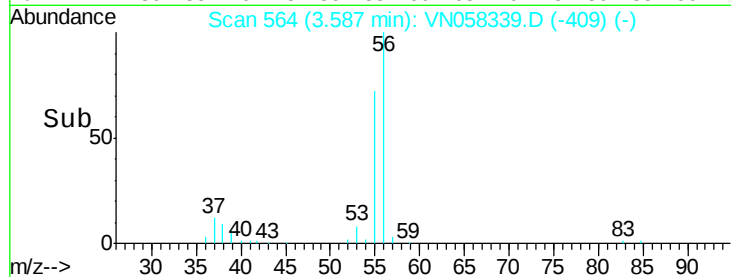


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Acrylonitrile

Concen: 509.081 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

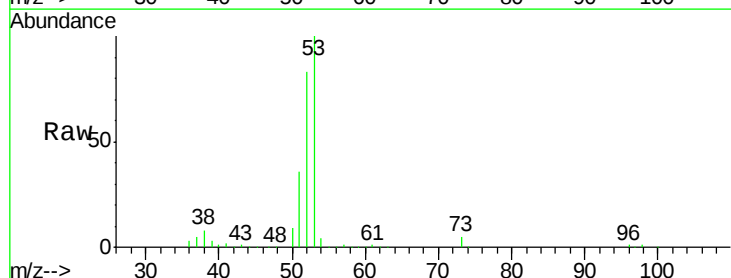
Tgt Ion: 53 Resp: 1432108

Ion Ratio Lower Upper

53 100

52 82.3 41.3 123.7

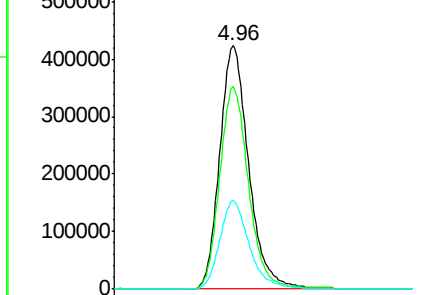
51 37.0 18.3 54.8



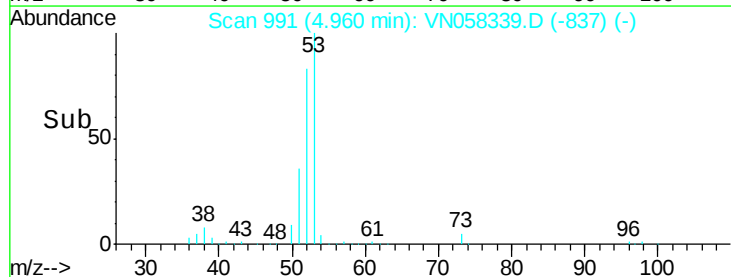
Abundance Ion 53.00 (52.70 to 53.70): VN0

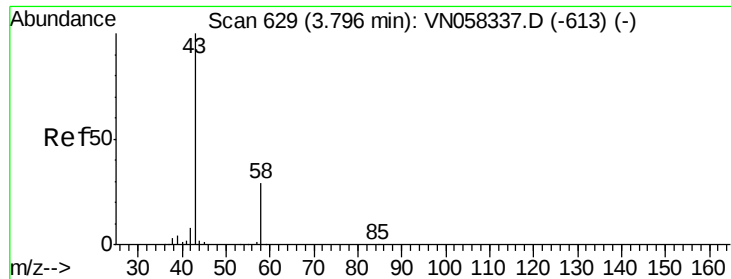
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->





#15

Acetone

Concen: 472.981 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 375577

Ion Ratio Lower Upper

58 100

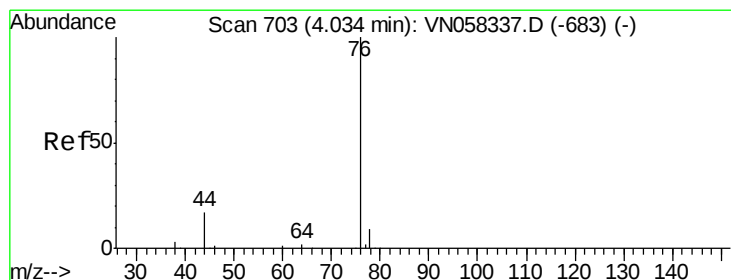
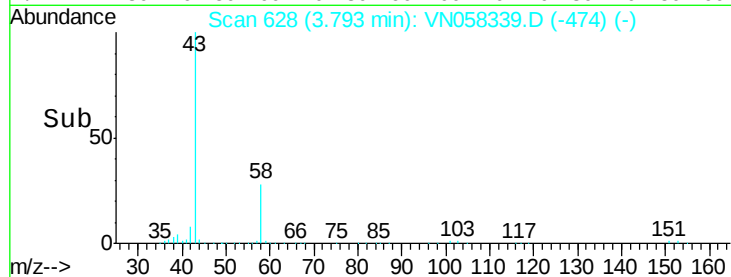
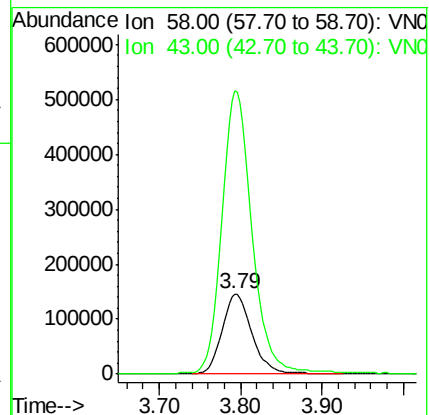
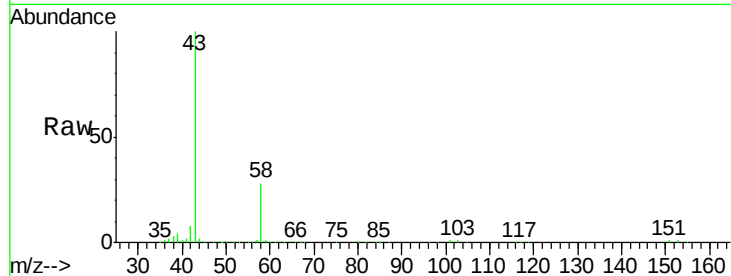
43 351.6 272.6 409.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 119.914 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN058339.D

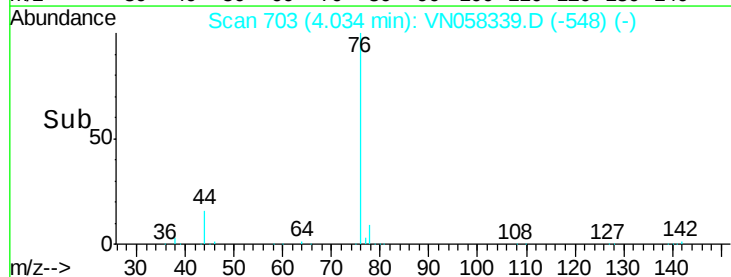
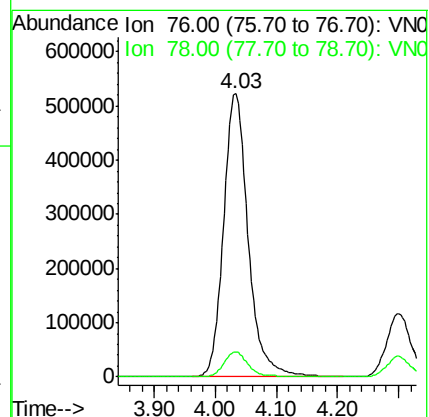
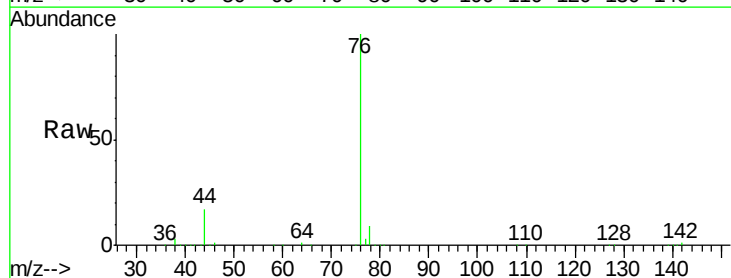
Acq: 24 Sep 2019 11:14

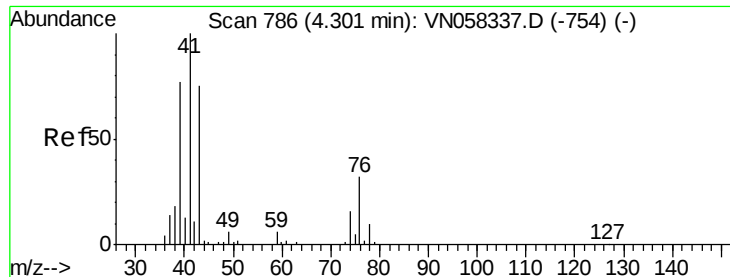
Tgt Ion: 76 Resp: 1461456

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





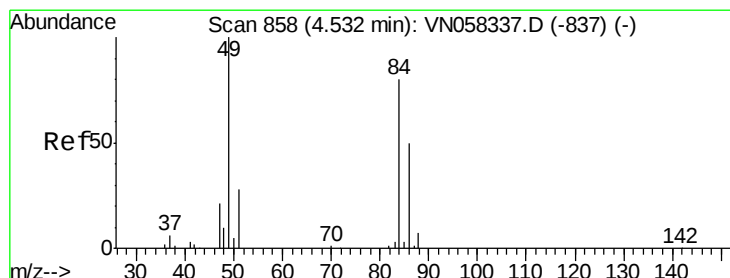
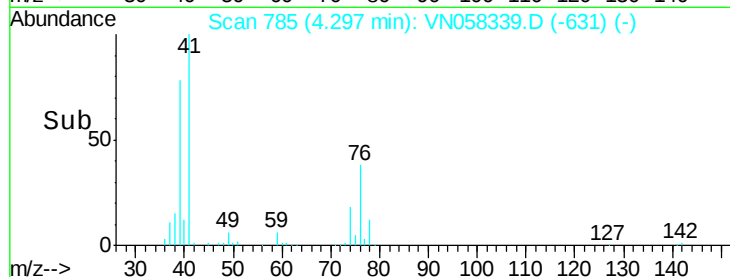
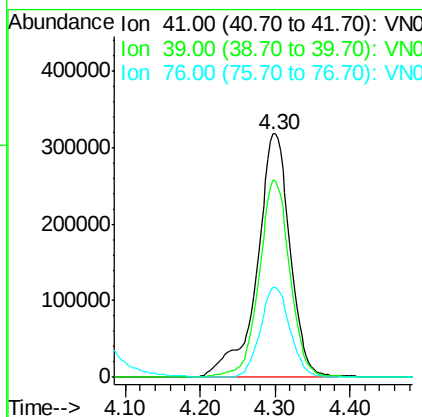
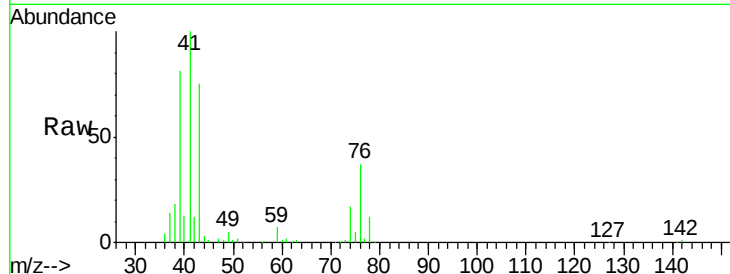
#17
Allvl chloride
Concen: 104.438 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.0	38.7	116.1
76	36.6	16.4	49.1

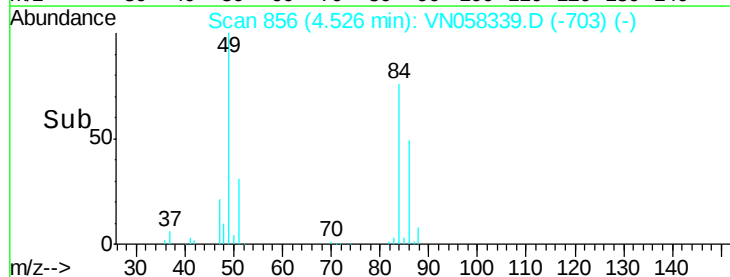
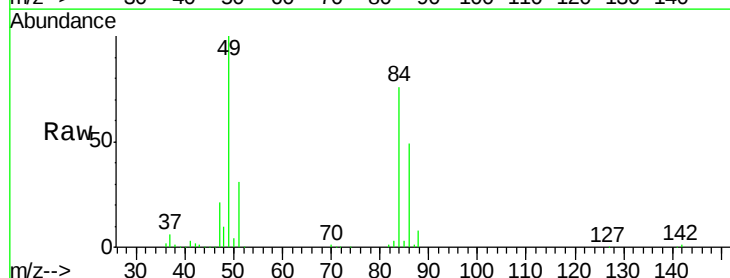
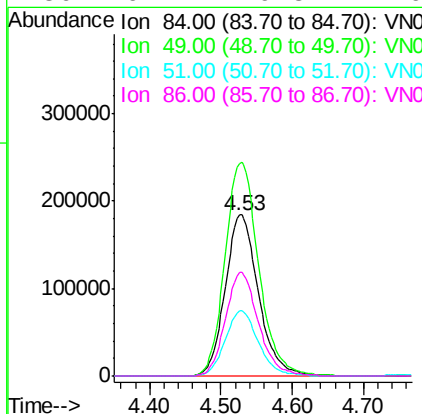
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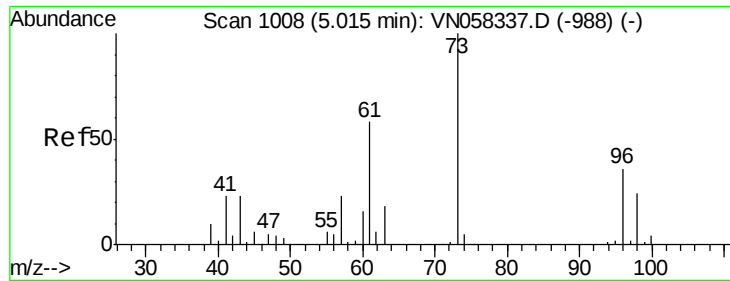
MMDadoda
9/25/2019 8:23:49 AM



#18
Methylene Chloride
Concen: 94.650 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.8	99.8	149.6
51	40.4	28.3	42.5
86	64.1	49.8	74.6





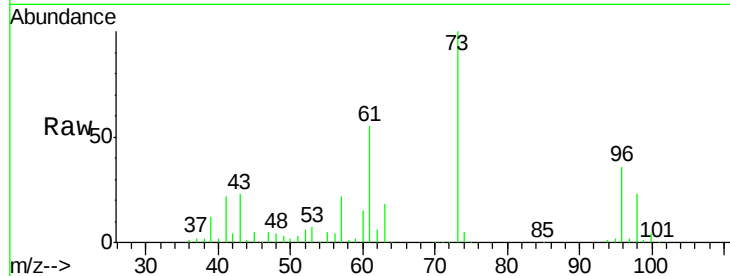
#19
trans-1,2-Dichloroethene
Concen: 100.891 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

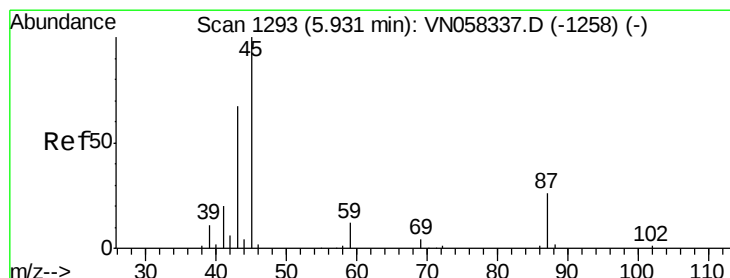
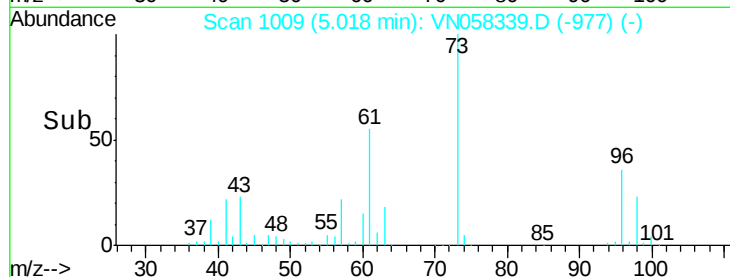
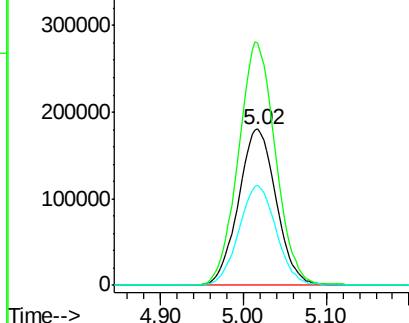
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.8	128.0	192.0
98	63.9	53.0	79.6

Manual Integrations
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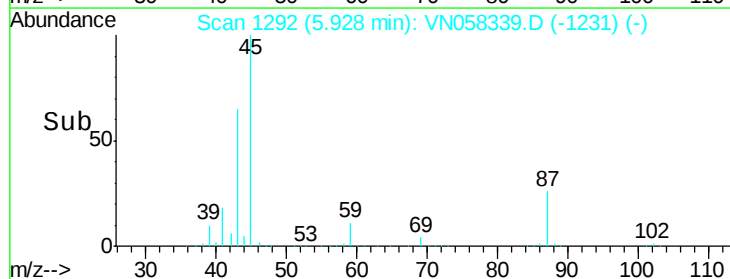
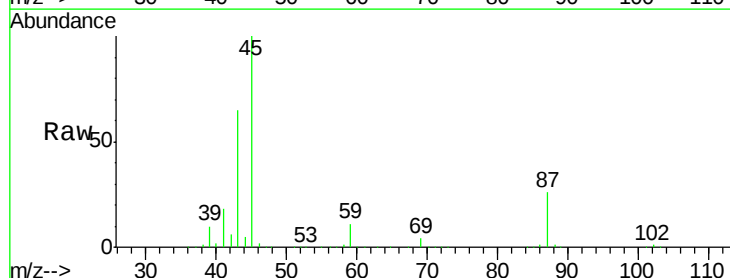
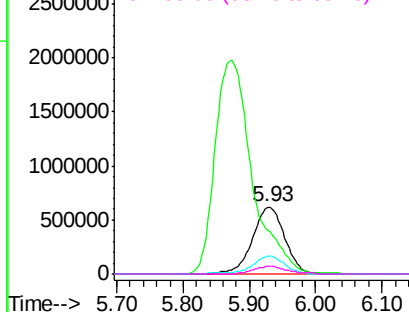
Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

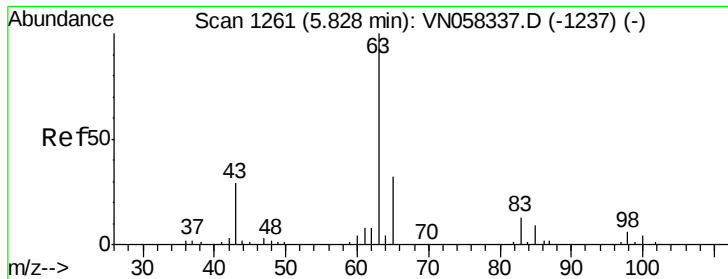


#20
Diisopropyl ether
Concen: 98.407 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.7	54.1	81.1
87	26.2	21.4	32.2
59	11.0	9.3	13.9

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





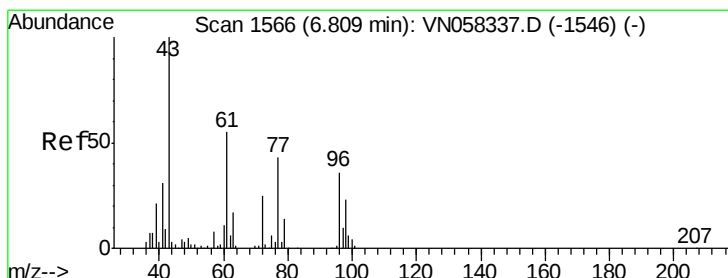
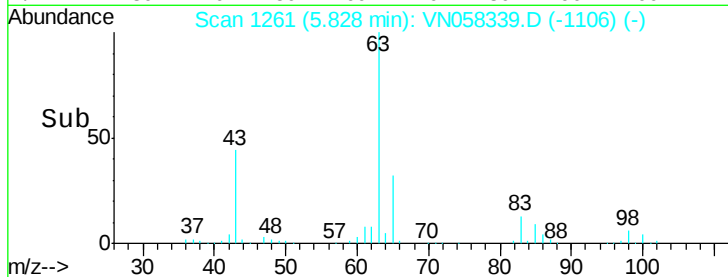
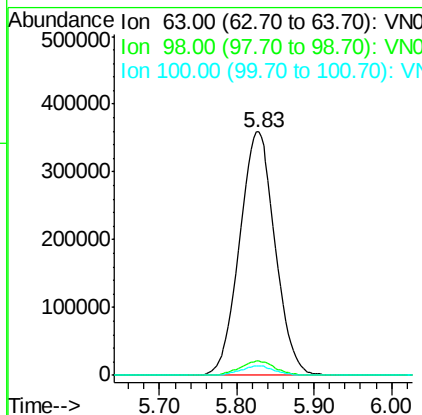
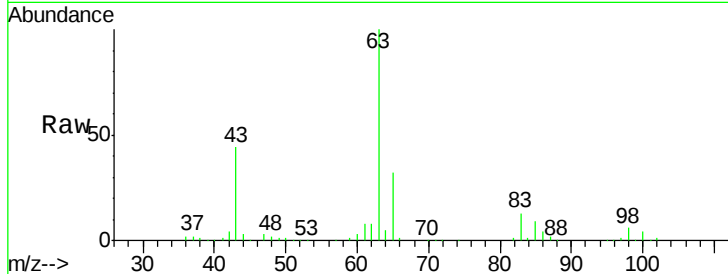
#21
 1,1-Dichloroethane
 Concen: 97.257 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.0	9.2
100	3.8	2.1	6.5

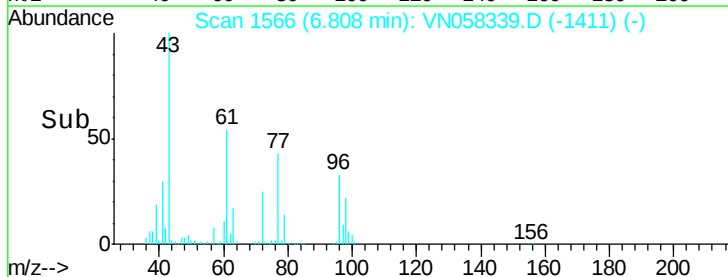
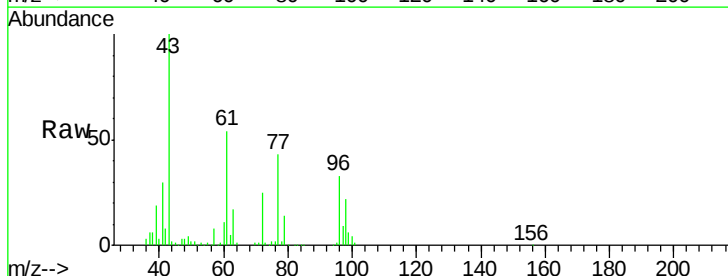
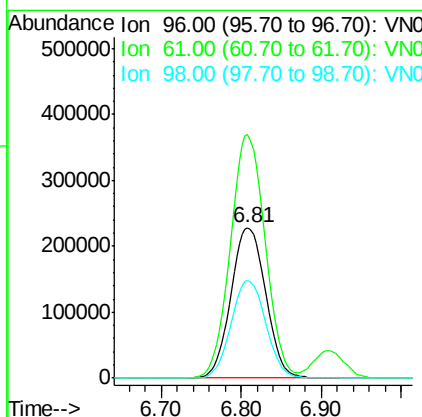
Manual Integrations
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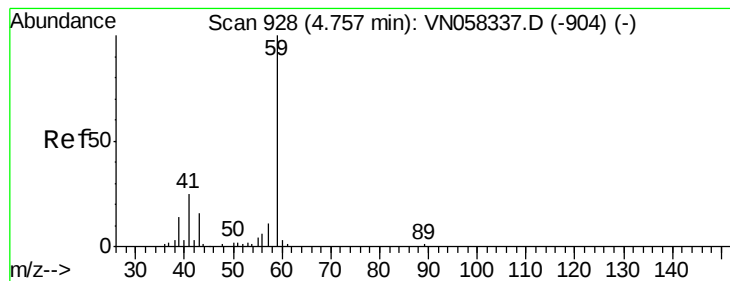
MMDadoda
 9/25/2019 8:23:49 AM



#22
 cis-1,2-Dichloroethene
 Concen: 98.086 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.6	128.2	192.2
98	64.7	50.6	76.0





#23

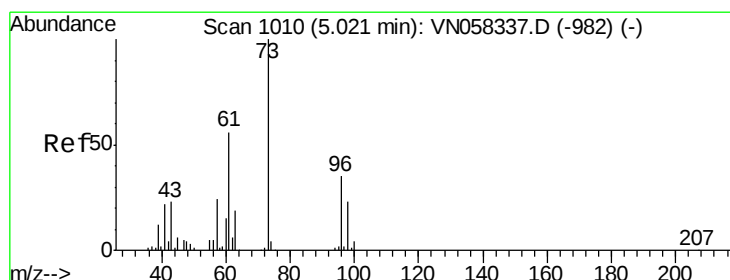
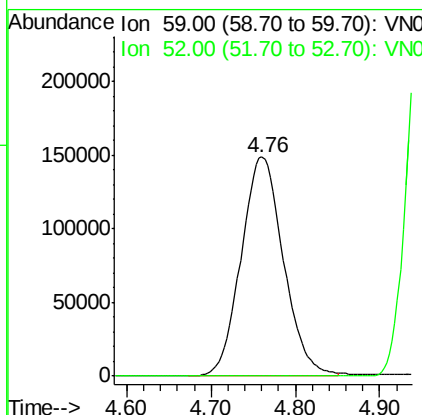
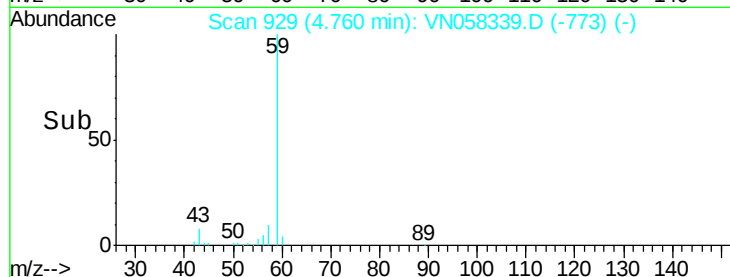
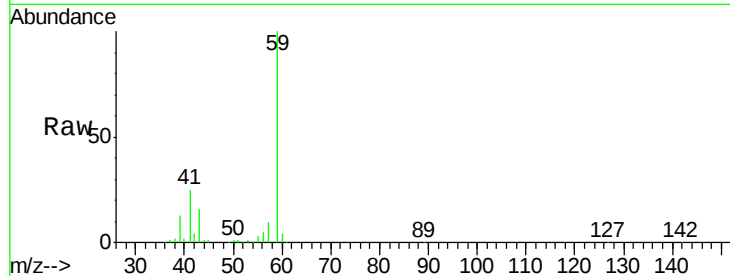
tert-Butyl Alcohol
 Concen: 554.561 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	517967		
52	52	0.0		0.1	0.1#

Manual Integrations
 APPROVED

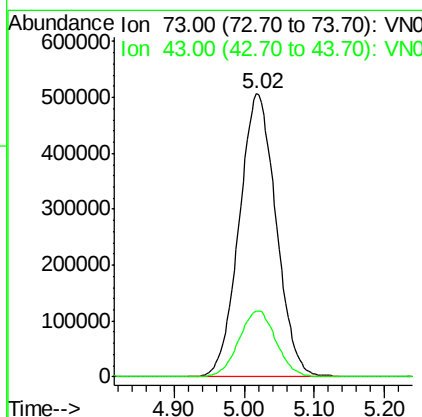
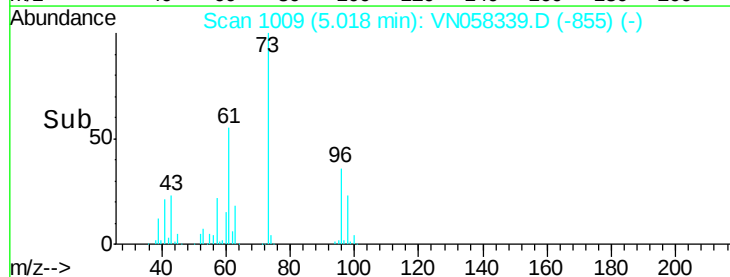
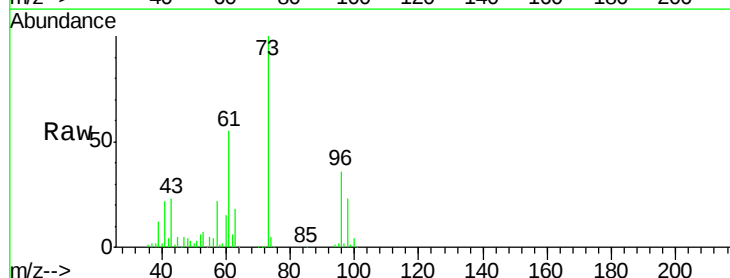
MMDadoda
 9/25/2019 8:23:49 AM

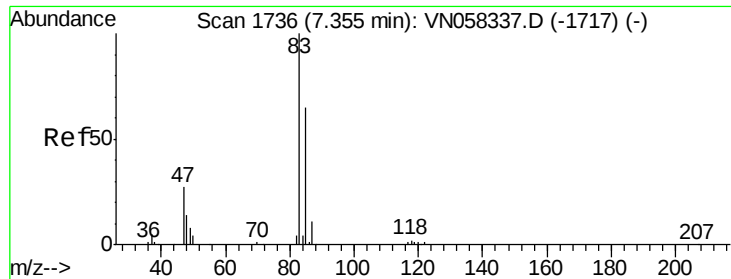


#24

Methyl tert-Butyl Ether
 Concen: 96.611 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	1849180		
43	43	23.3		18.4	27.6





#25

Chloroform

Concen: 96.512 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1158791

Ion Ratio Lower Upper

83 100

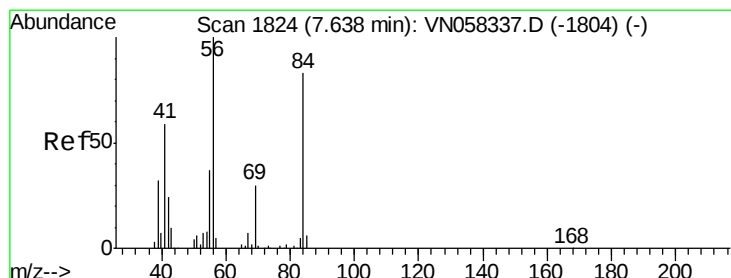
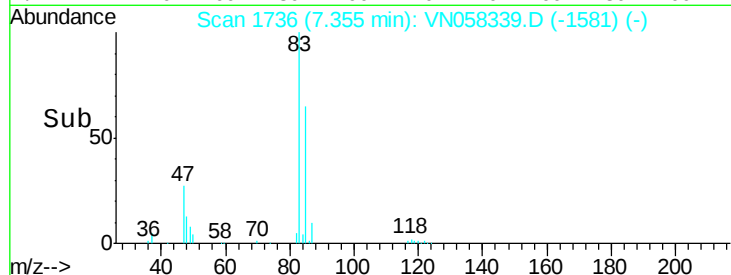
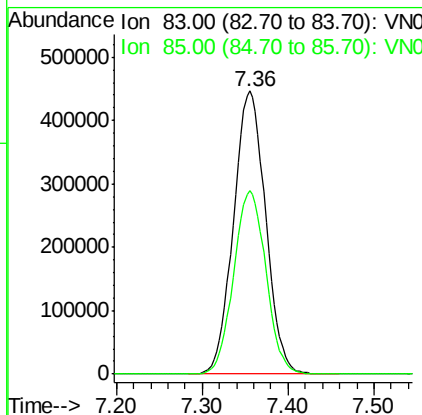
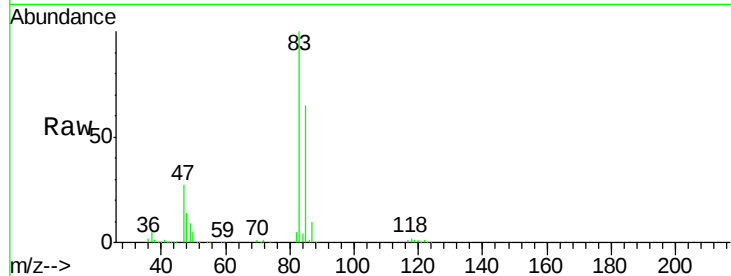
85 64.6 51.8 77.6

Manual Integrations

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#26

Cyclohexane

Concen: 107.239 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

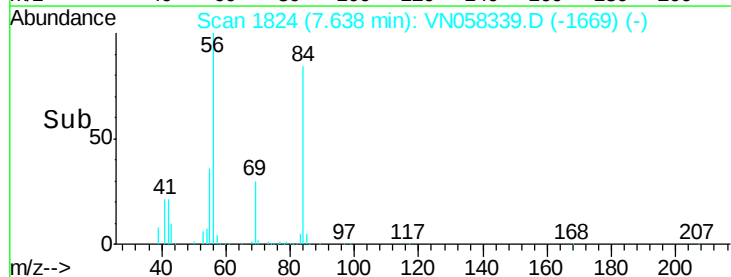
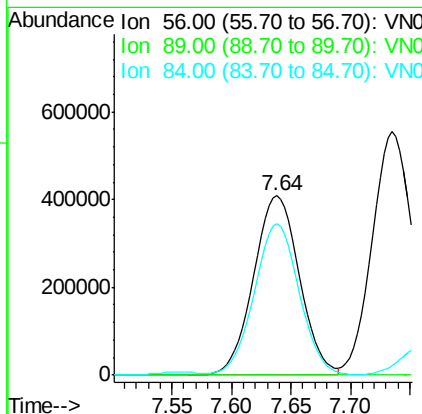
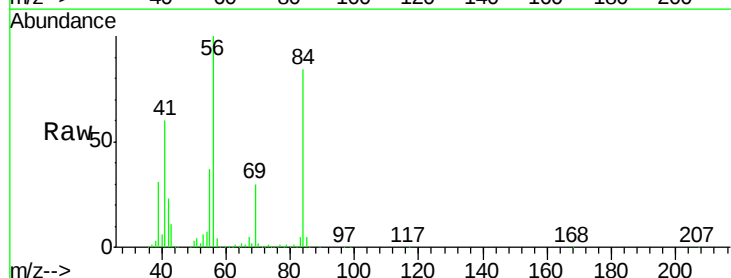
Tgt Ion: 56 Resp: 1089743

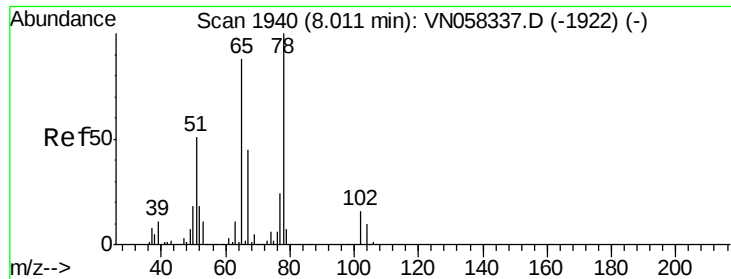
Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 83.0 66.9 100.3





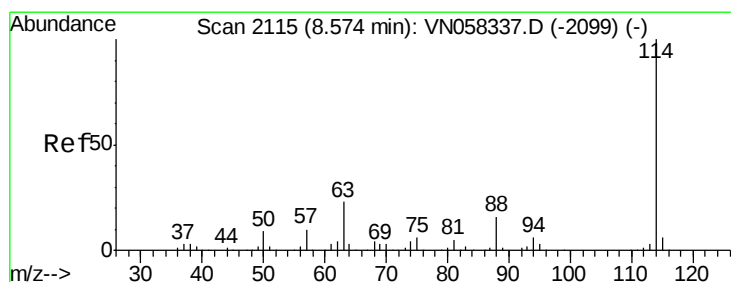
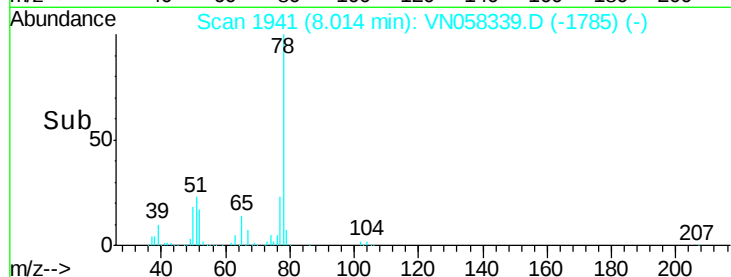
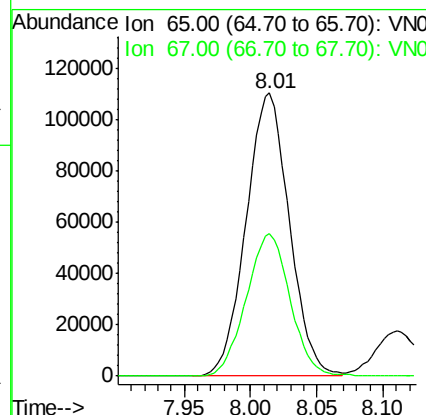
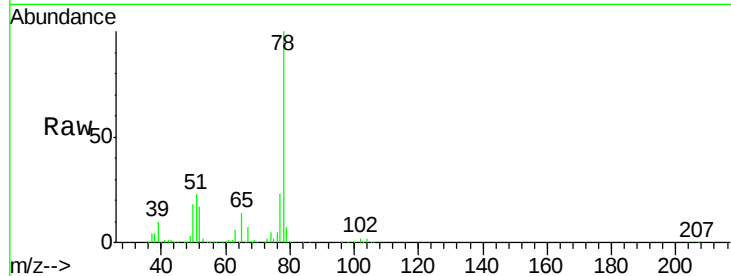
#27
 1,2-Dichloroethane-d4
 Concen: 30.056 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	40.4	60.6

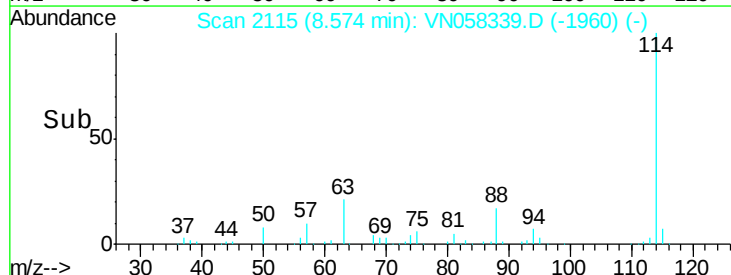
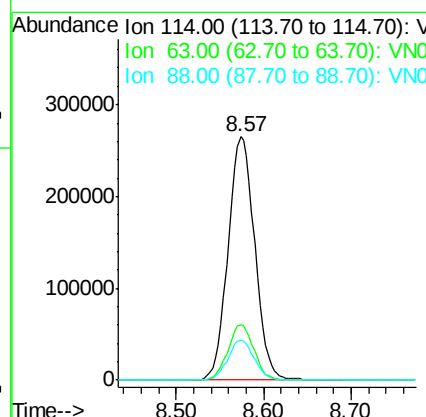
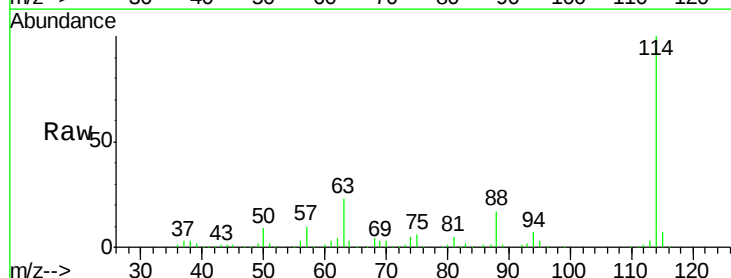
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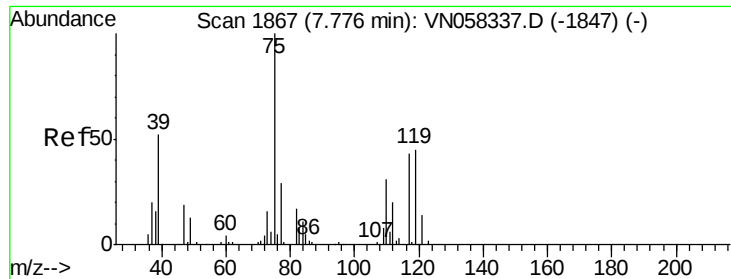
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	17.8	26.8
88	16.3	12.7	19.1





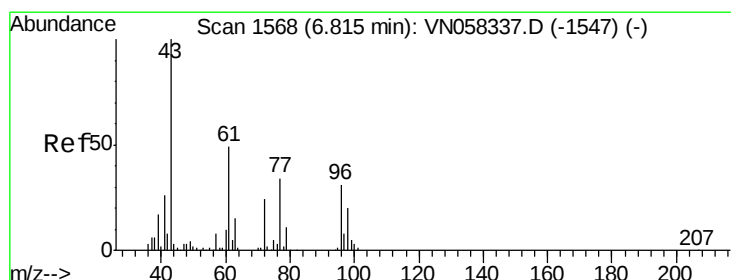
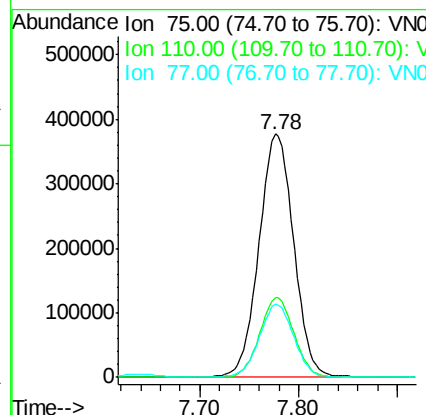
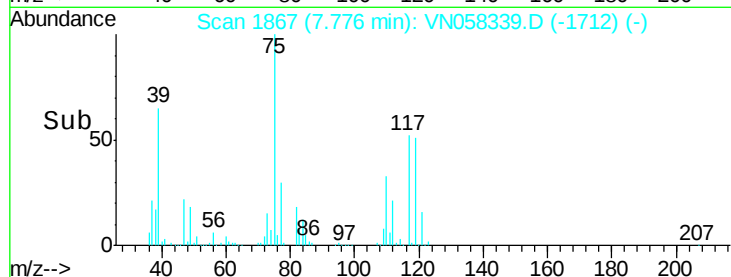
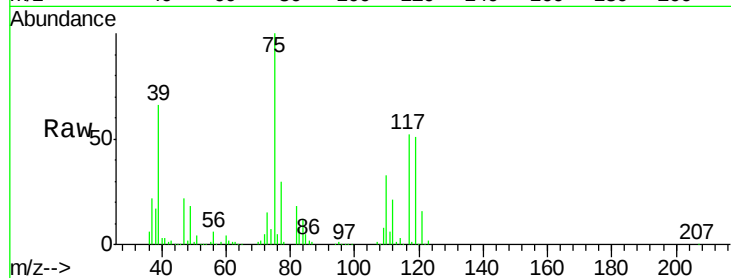
#29
 1,1-Dichloropropene
 Concen: 102.374 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.3	0.0	63.6
77	29.8	0.0	59.4

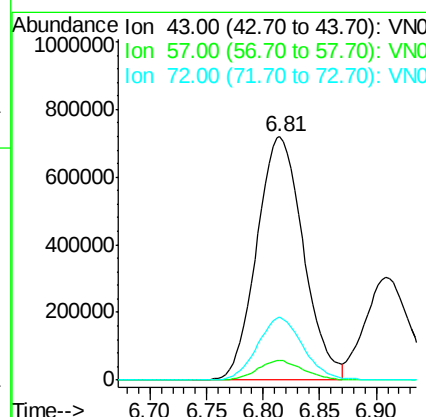
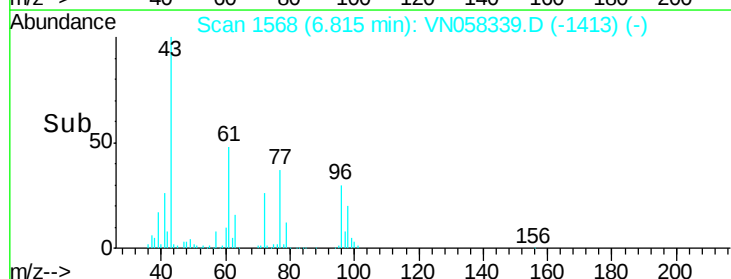
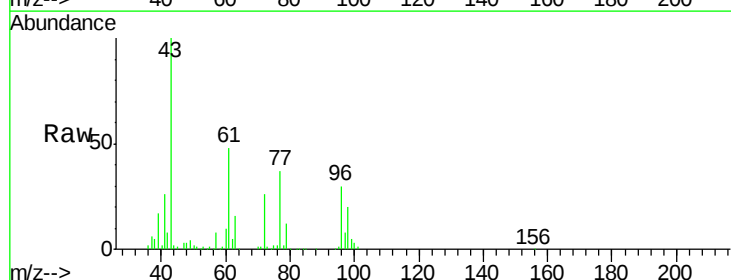
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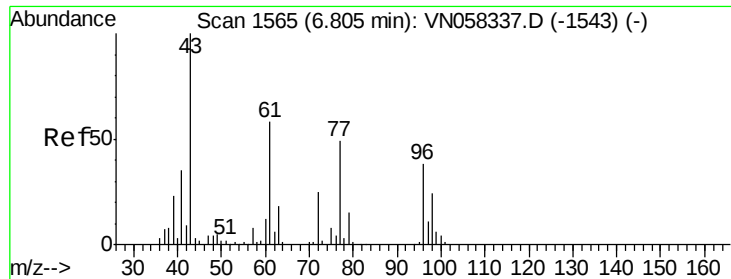
MMDadoda
 9/25/2019 8:23:49 AM



#30
 2-Butanone
 Concen: 509.969 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.2	9.4
72	25.3	20.3	30.5





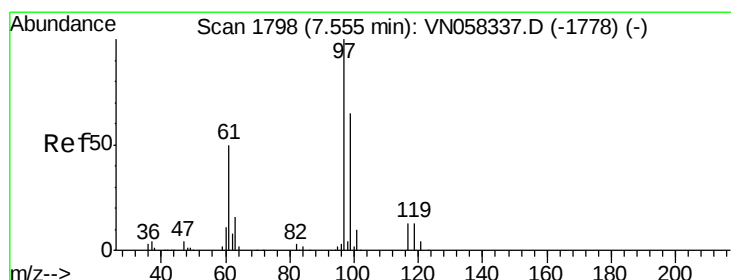
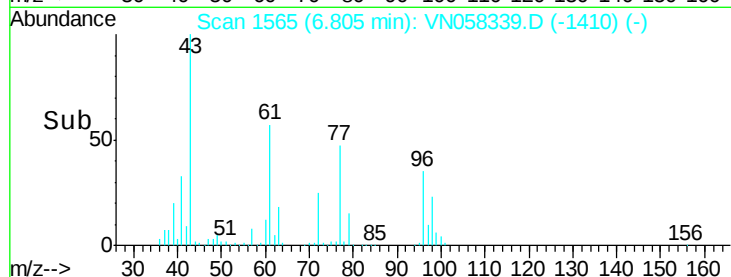
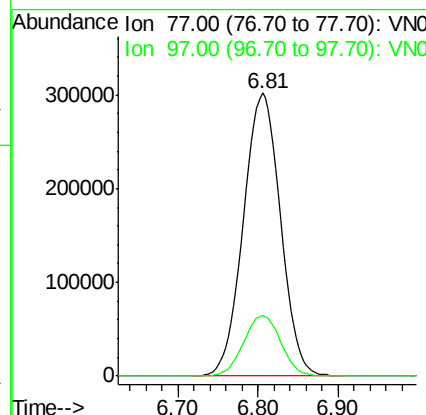
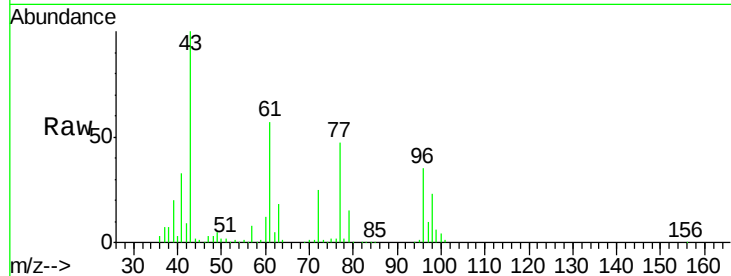
#31
 2,2-Dichloropropane
 Concen: 100.766 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.5	17.6	26.4

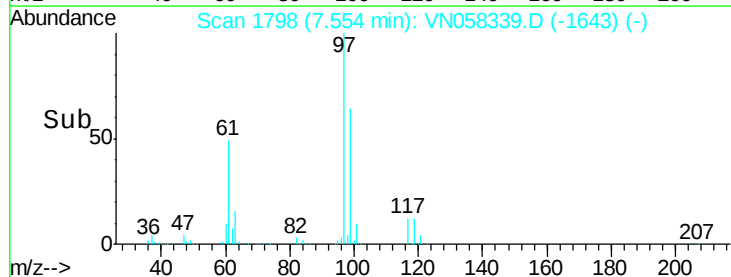
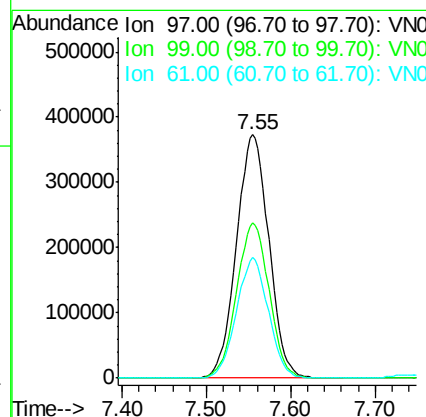
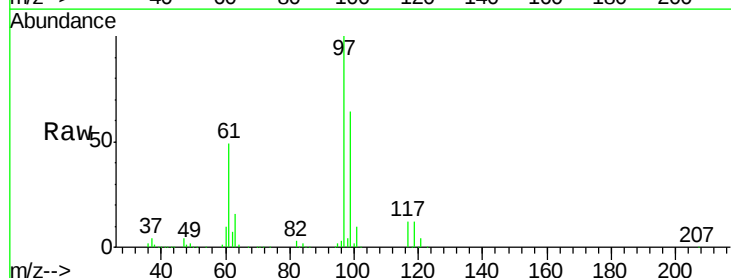
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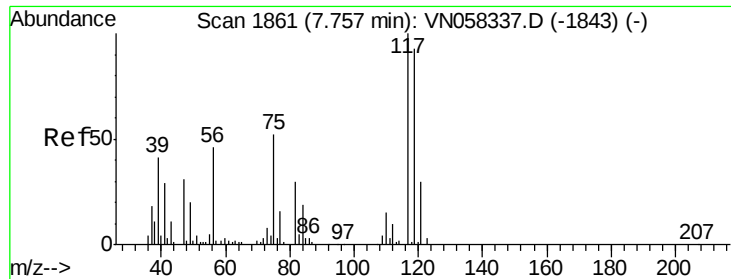
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#32
 1,1,1-Trichloroethane
 Concen: 100.369 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.8	77.6
61	48.9	39.4	59.2





#33

Carbon Tetrachloride

Concen: 103.762 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

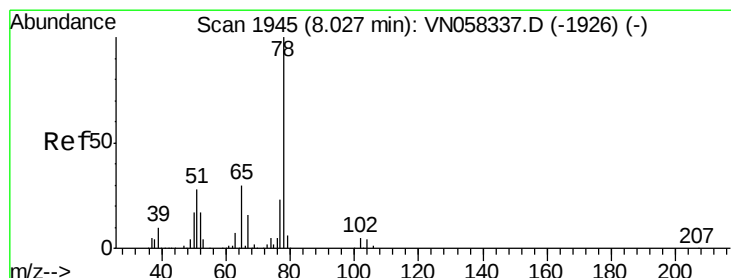
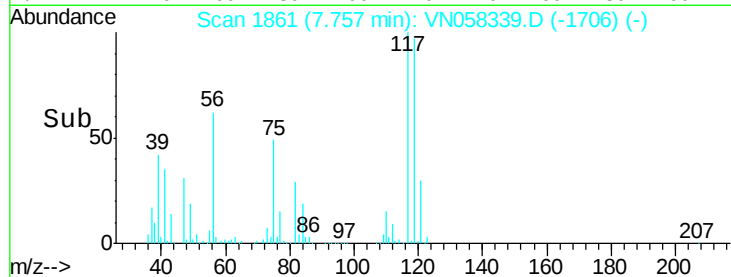
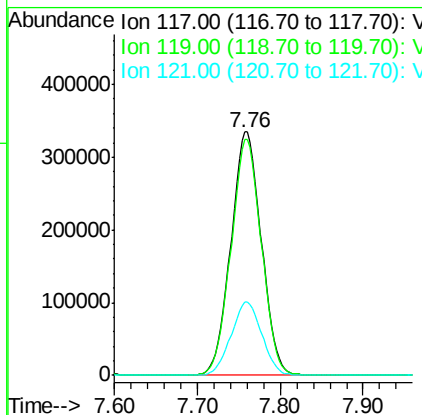
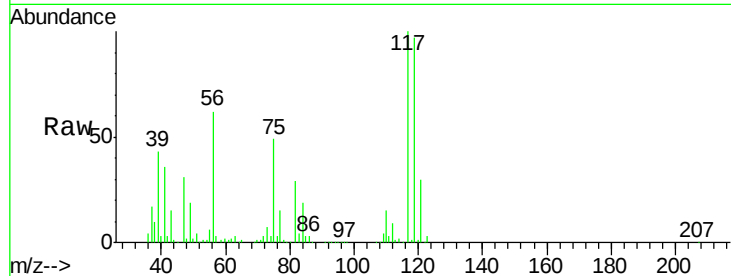
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	855813
Ion Ratio	Lower	Upper	
117	100		
119	96.8	74.2	111.4
121	29.9	23.9	35.9

Manual Integrations
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#34

Benzene

Concen: 97.992 ug/l

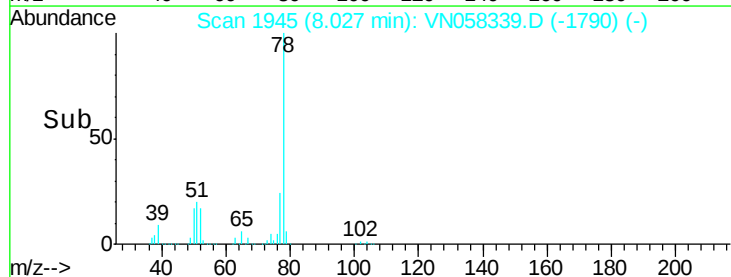
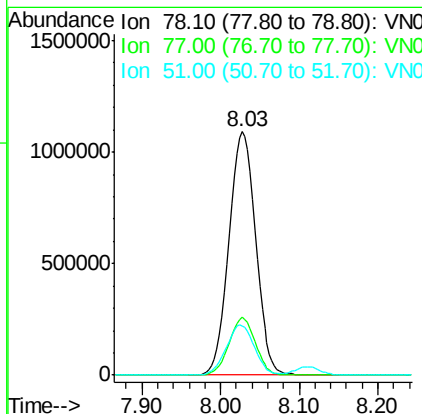
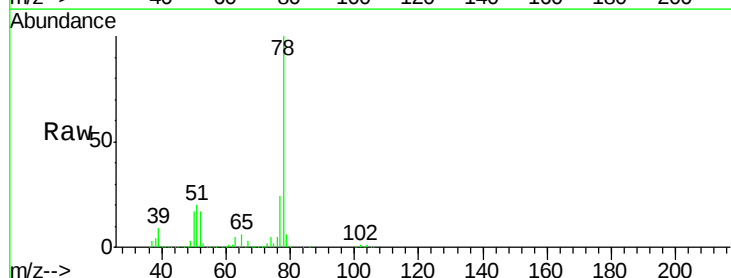
RT: 8.03 min Scan# 1945

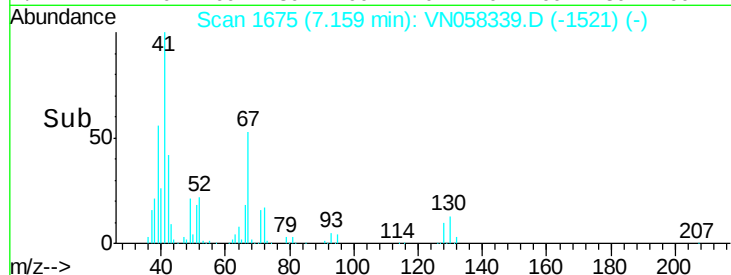
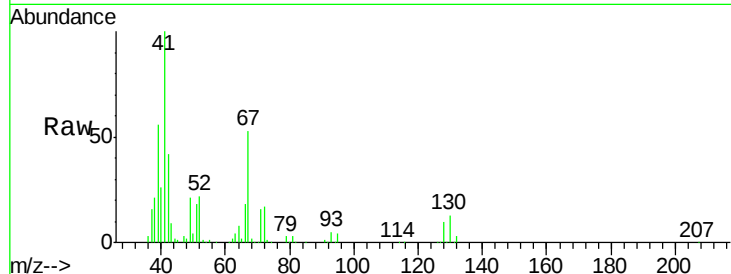
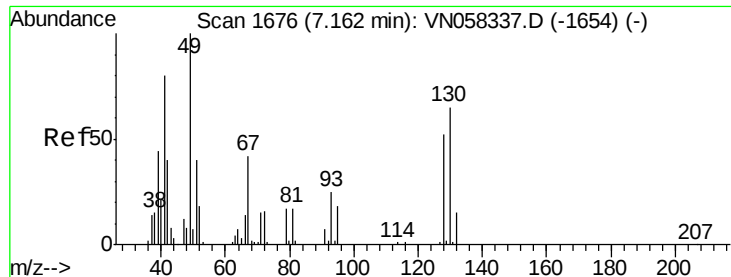
Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Tgt Ion:	78	Resp:	2577458
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.8	28.2
51	20.4	22.4	33.6#





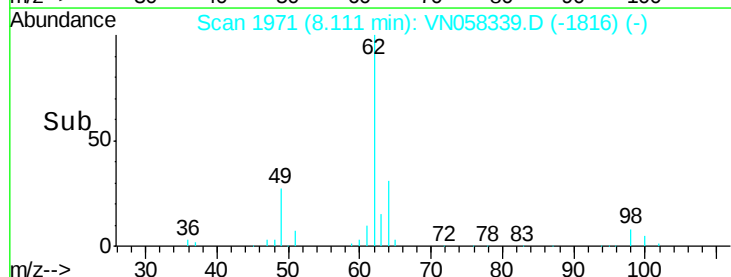
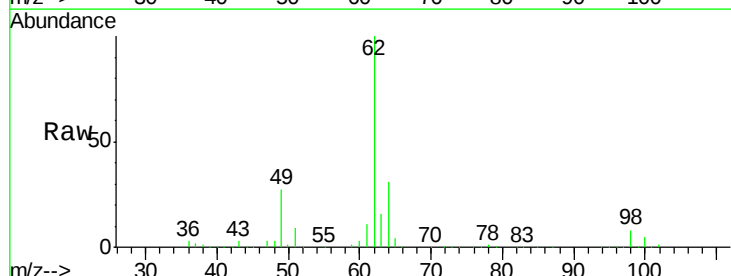
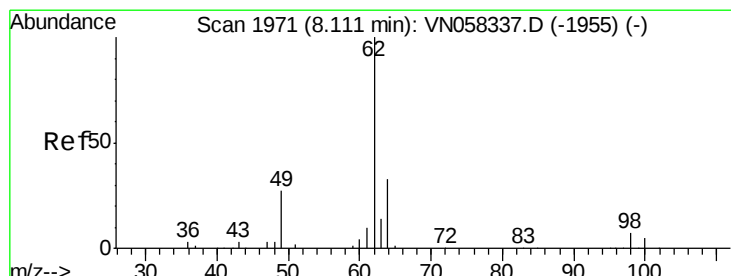
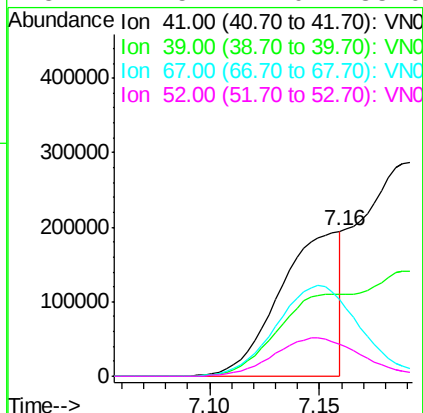
#35
Methacrylonitrile
Concen: 98.132 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tot Ion	41	Resp	372464
Ion	Ratio	Lower	Upper
41	100		
39	56.4	27.3	81.9
67	53.3	26.3	78.9
52	22.5	11.0	33.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

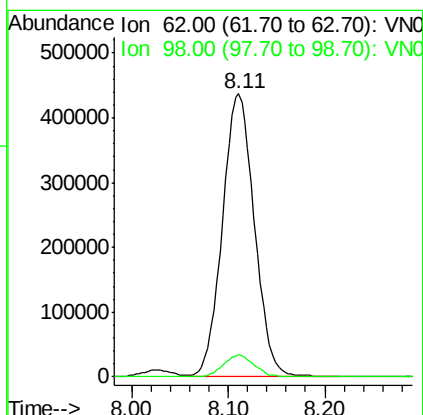
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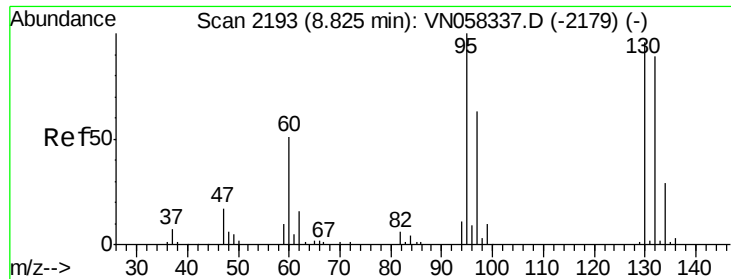
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#36
1,2-Dichloroethane
Concen: 98.425 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	62	Resp	1003783
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.0	9.0





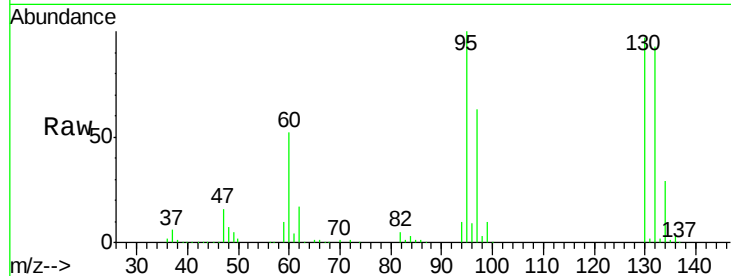
#37
 Trichloroethene
 Concen: 100.366 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

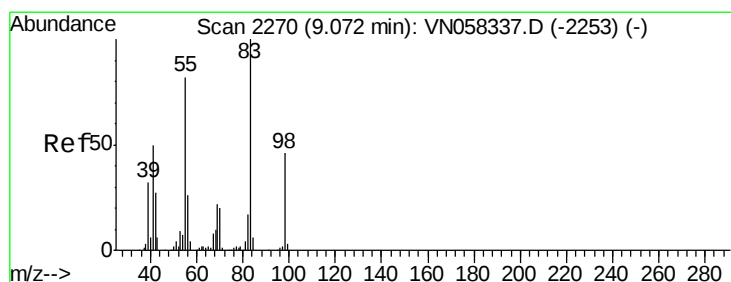
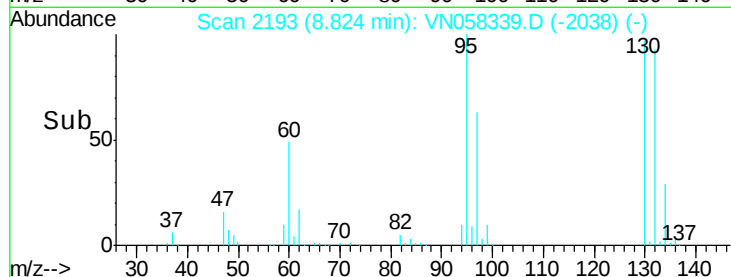
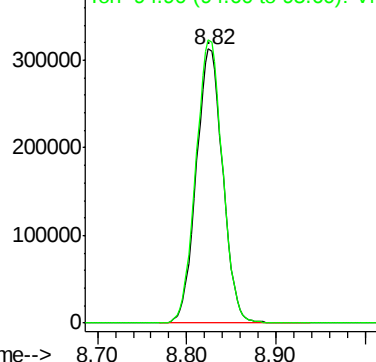
Tot Ion:130 Resp: 644981
 Ion Ratio Lower Upper
 130 100
 95 103.2 83.3 124.9

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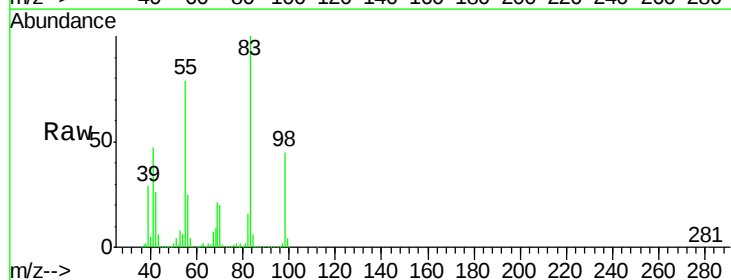


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

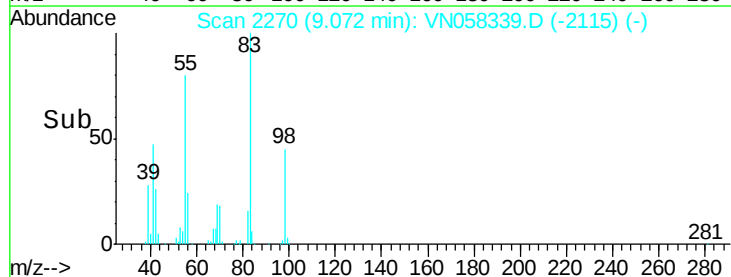
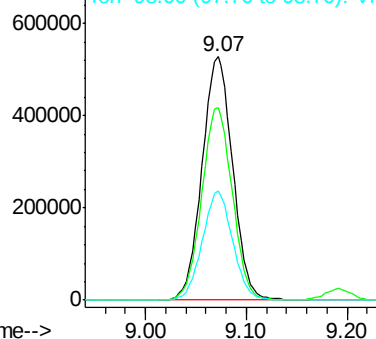


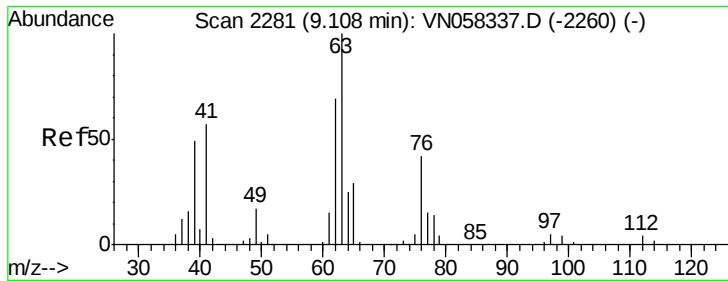
#38
 Methylcyclohexane
 Concen: 108.077 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 83 Resp: 1111599
 Ion Ratio Lower Upper
 83 100
 55 79.0 40.5 121.4
 98 44.3 23.1 69.2



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





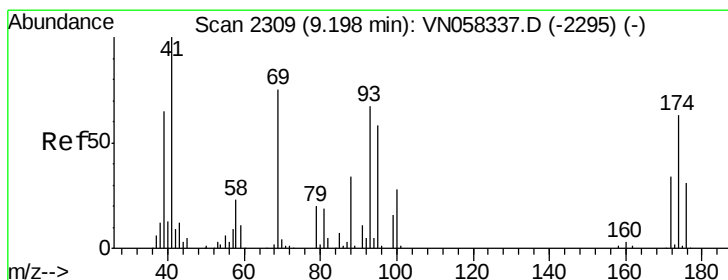
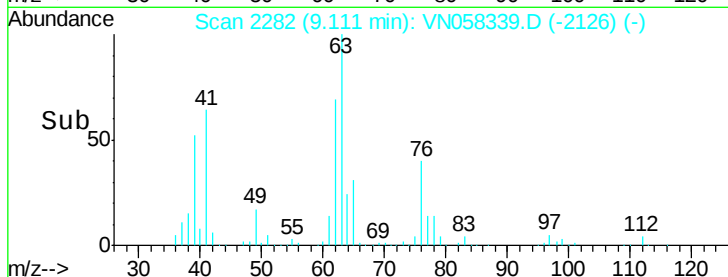
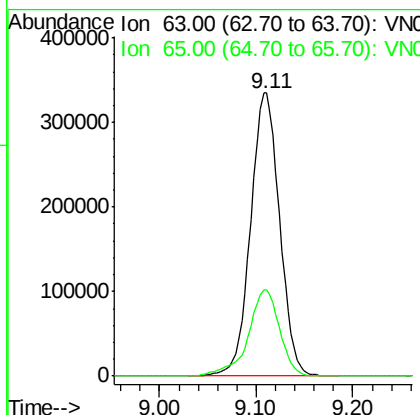
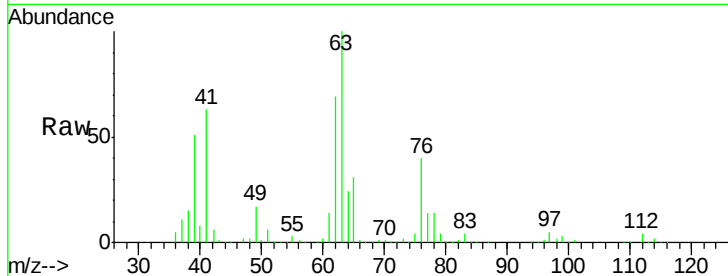
#39
 1,2-Dichloropropane
 Concen: 95.254 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	63	Resp	698575
Ion Ratio	100	Lower	Upper
63	100		
65	30.6	23.4	35.0

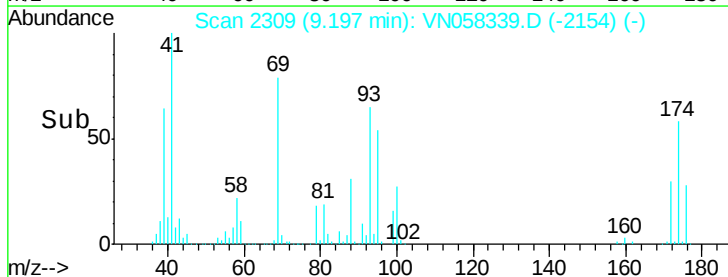
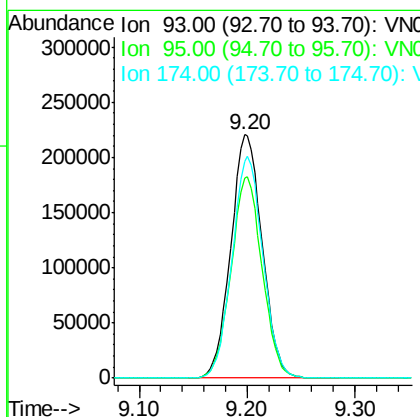
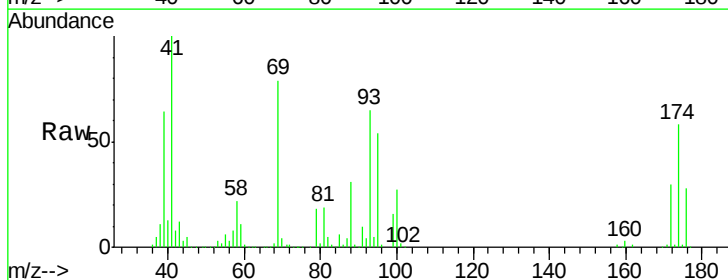
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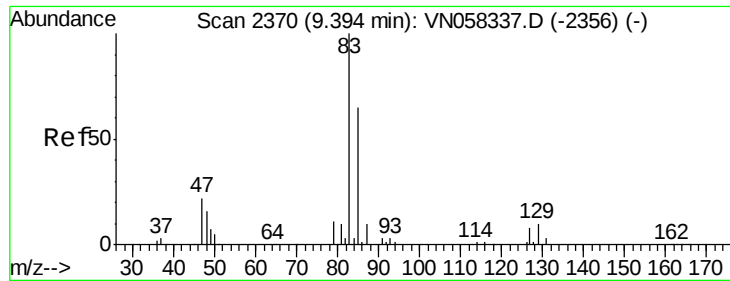
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#40
 Dibromomethane
 Concen: 99.690 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	93	Resp	447283
Ion Ratio	100	Lower	Upper
93	100		
95	82.1	0.0	166.8
174	89.7	0.0	187.2





#41

Bromodichloromethane

Concen: 100.548 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

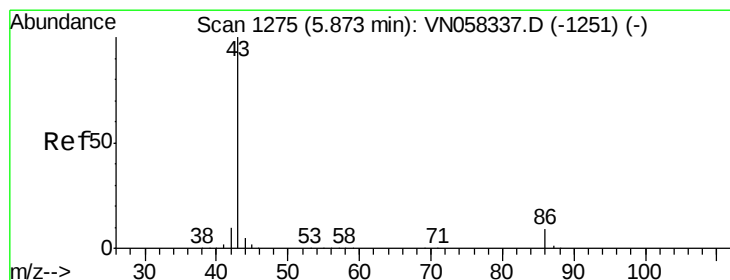
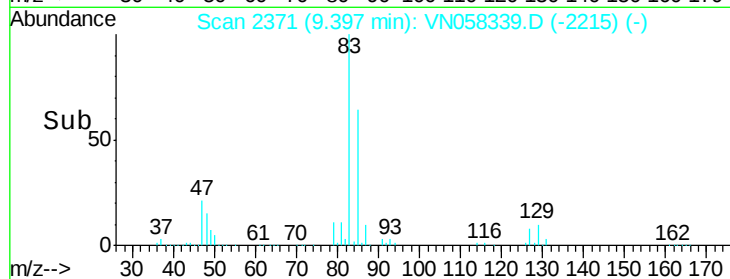
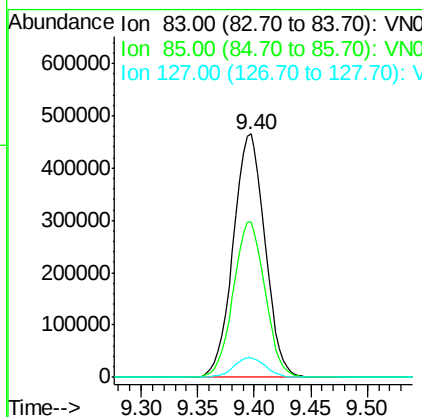
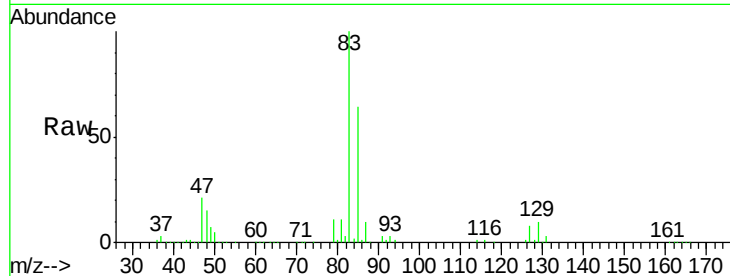
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	910006
Ion Ratio	Lower	Upper	
83	100		
85	63.9	52.0	78.0
127	8.2	6.1	9.1

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#42

Vinyl Acetate

Concen: 477.194 ug/l

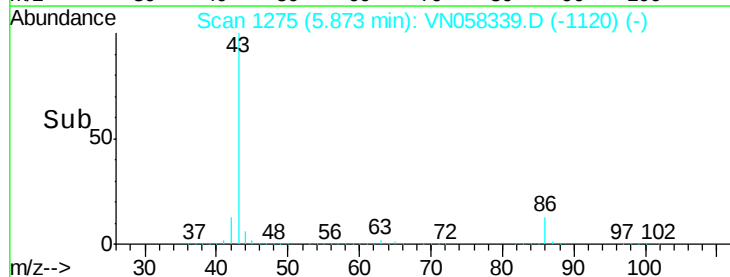
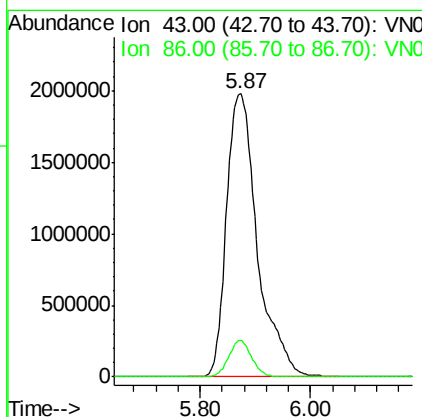
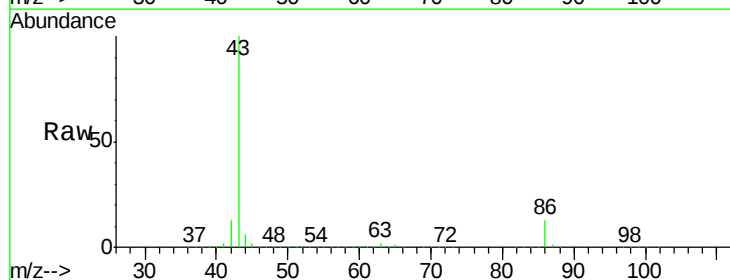
RT: 5.87 min Scan# 1275

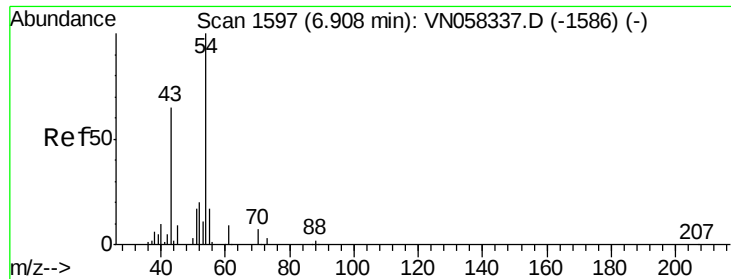
Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Tgt Ion:	43	Resp:	7690507
Ion Ratio	Lower	Upper	
43	100		
86	9.6	6.6	9.8





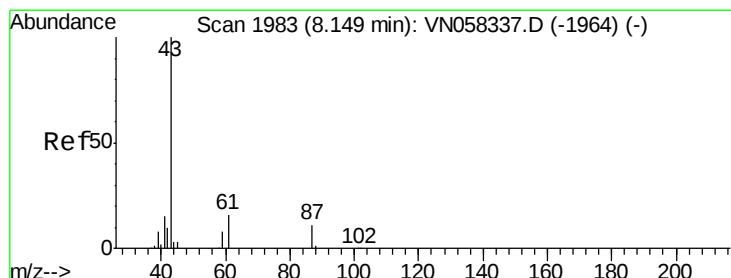
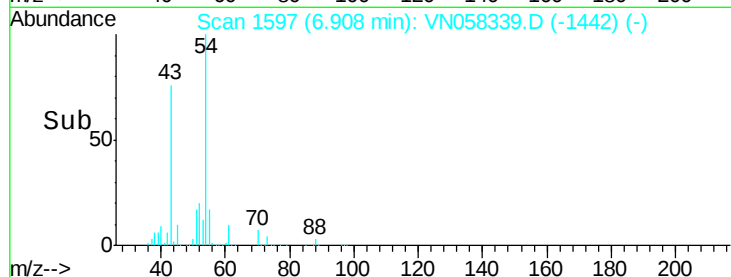
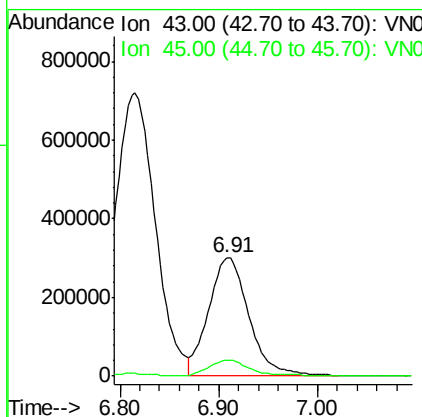
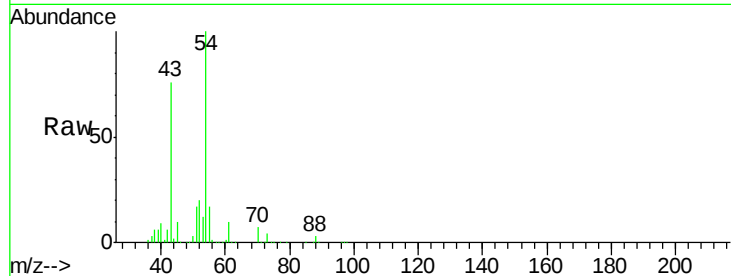
#43
Ethyl Acetate
Concen: 104.112 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	43	45	Ratio	100	14.2	Resp	846645	Lower	9.8	Upper	14.6
Ion	43	45	Ratio	100	14.2	Resp	846645	Lower	9.8	Upper	14.6

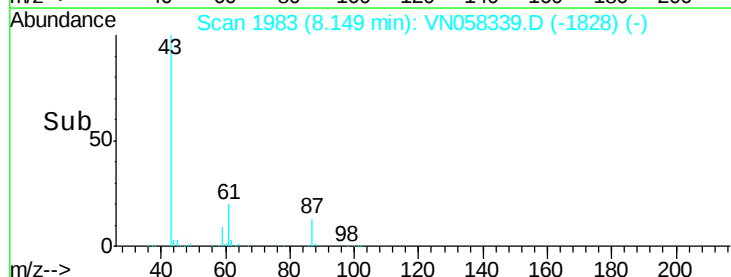
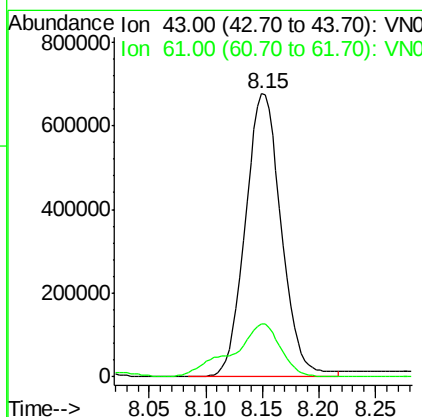
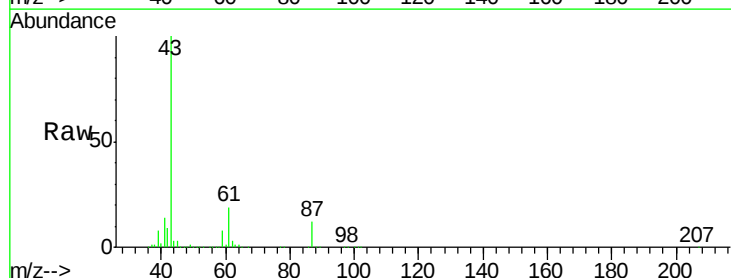
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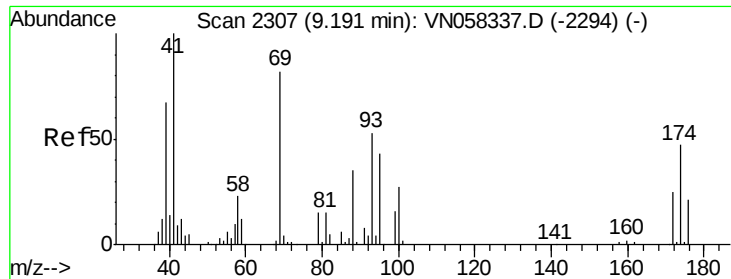
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#44
Isopropyl Acetate
Concen: 103.694 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	43	61	Ratio	100	25.0	Resp	1496170	Lower	14.4	Upper	21.6#
Ion	43	61	Ratio	100	25.0	Resp	1496170	Lower	14.4	Upper	21.6#





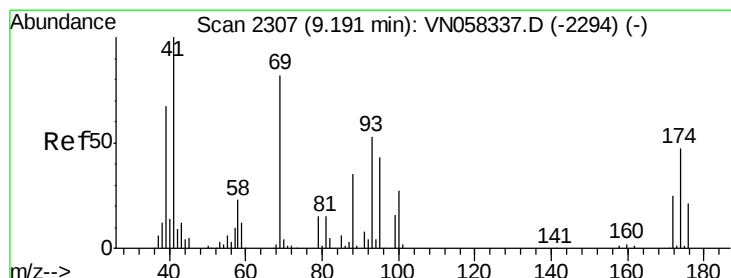
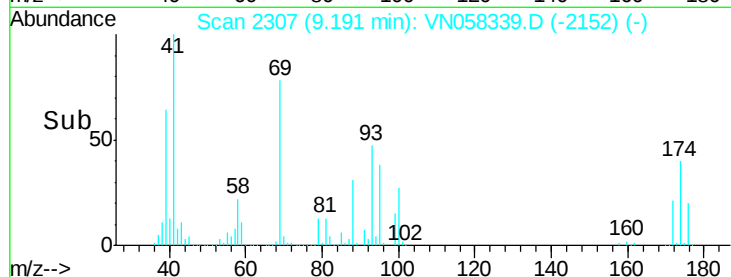
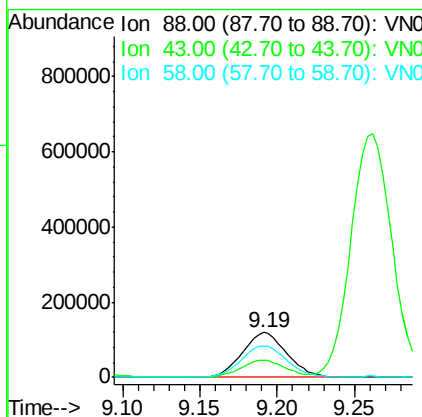
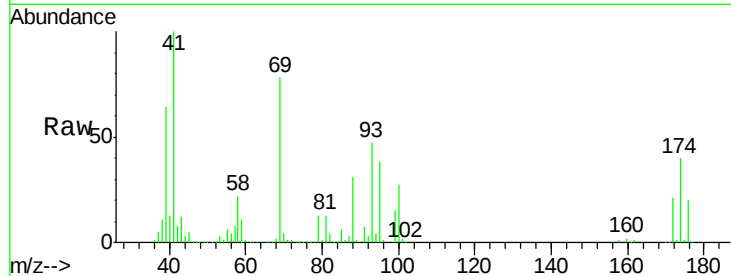
#45
 1,4-Dioxane
 Concen: 2061.395 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.5	27.2	40.8	
58	72.5	55.4	83.0	

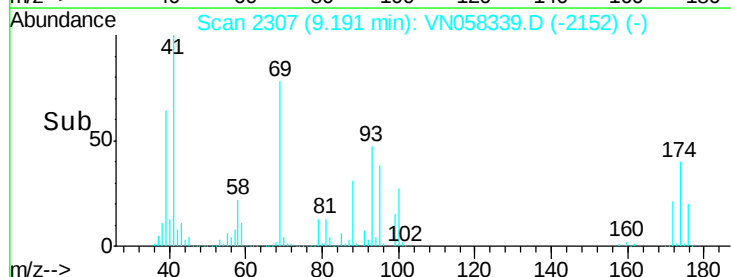
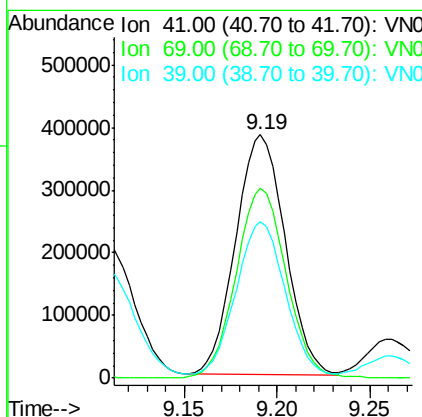
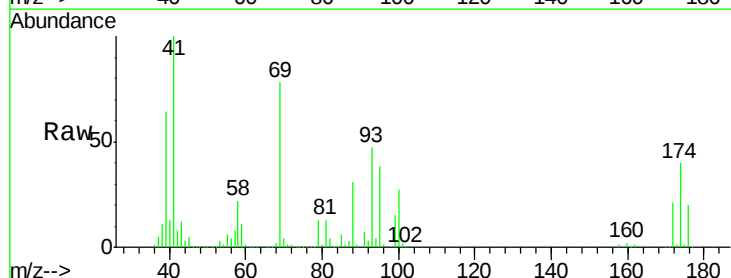
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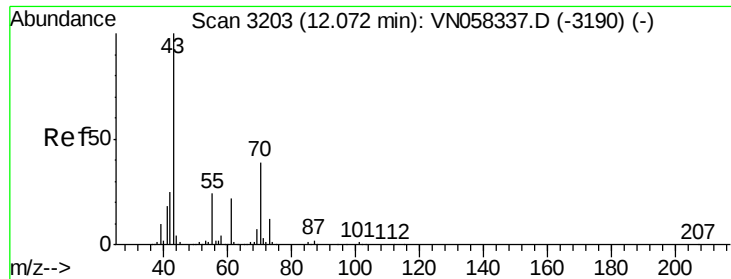
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#46
 Methyl methacrylate
 Concen: 102.401 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	78.8	40.9	122.7	
39	63.8	33.6	100.6	





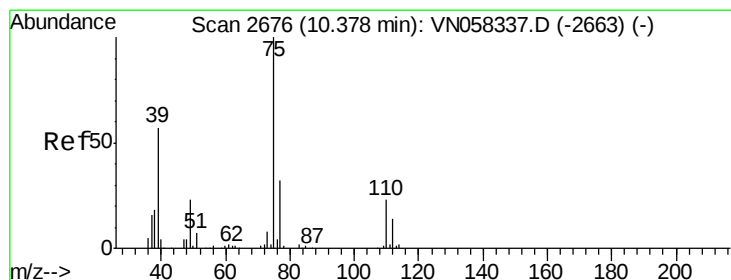
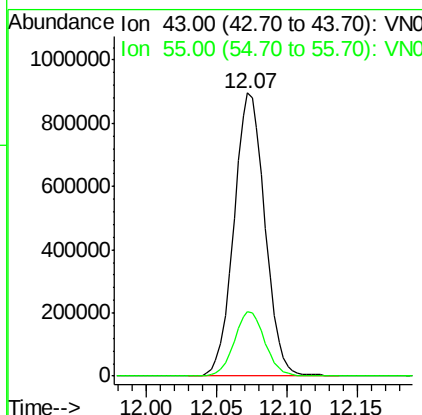
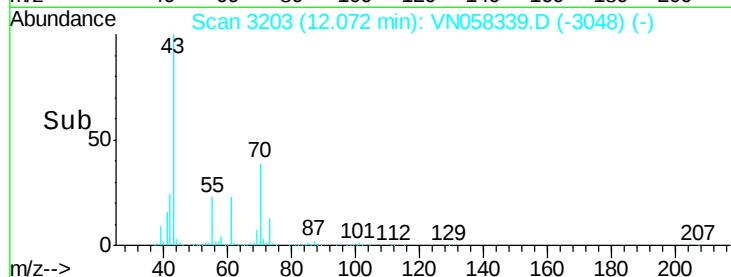
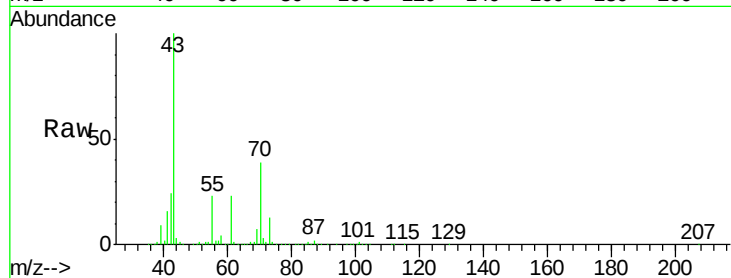
#47
n-amvl Acetate
Concen: 105.115 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion: 43 Resp: 1374202
Ion Ratio Lower Upper
43 100
55 22.8 19.0 28.4

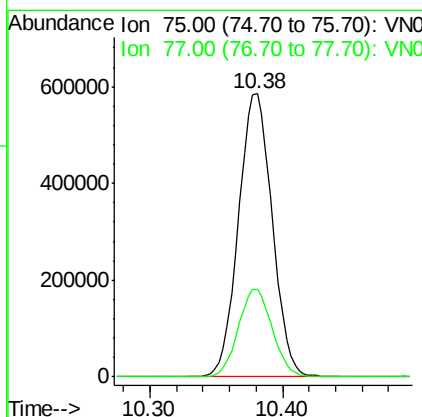
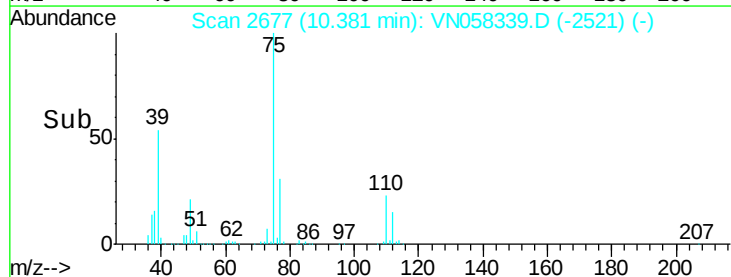
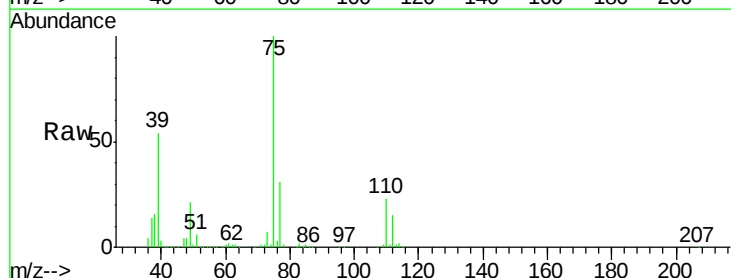
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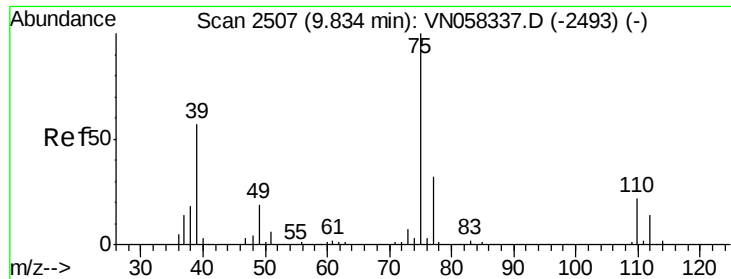
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#48
t-1,3-Dichloropropene
Concen: 106.756 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 75 Resp: 1034358
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0





#49
 cis-1,3-Dichloropropene
 Concen: 102.217 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

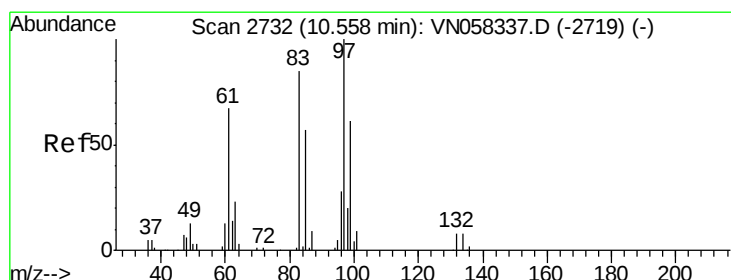
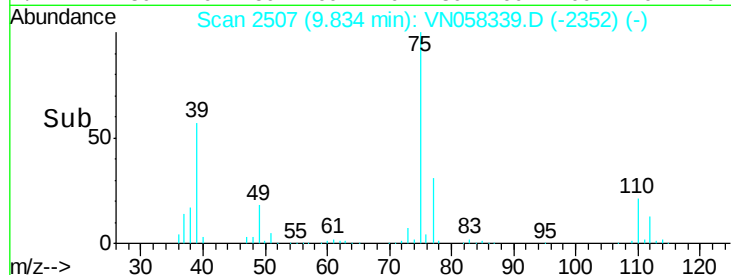
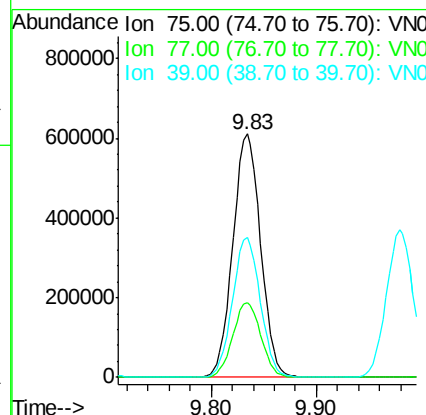
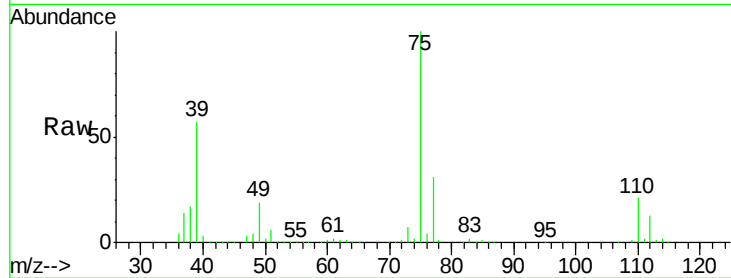
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 1113213

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.2	37.8
39	57.3	45.8	68.6

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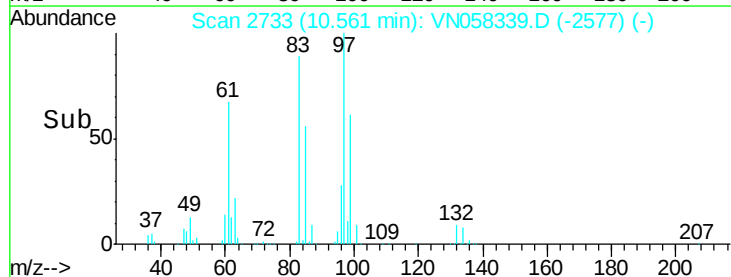
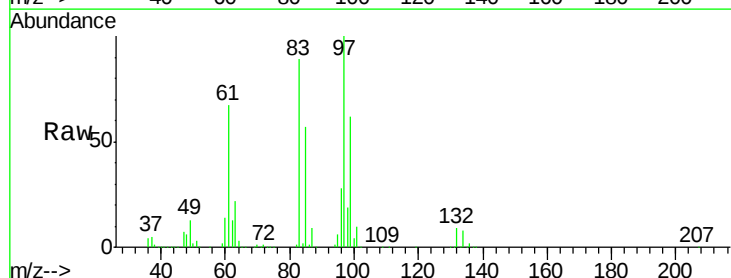
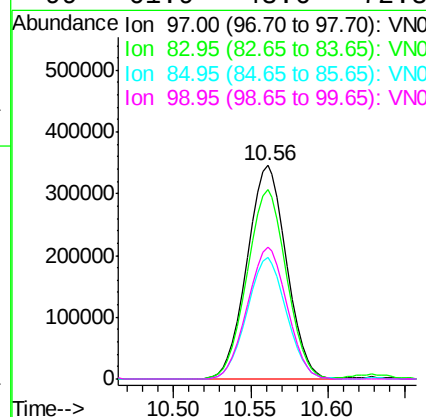
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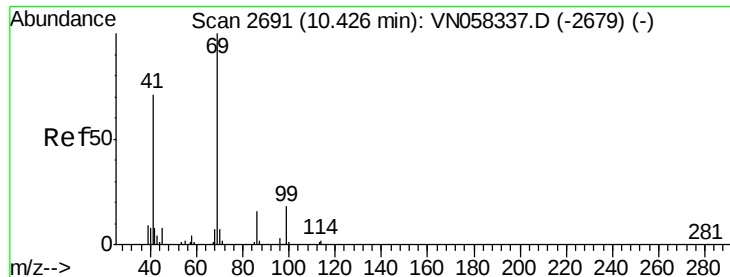


#50
 1,1,2-Trichloroethane
 Concen: 95.183 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 97 Resp: 615841

Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.8	101.6
85	56.7	45.8	68.6
99	61.9	48.6	72.8





#51

Ethyl methacrylate

Concen: 102.140 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 69 Resp: 1030394

Ion Ratio Lower Upper

69 100

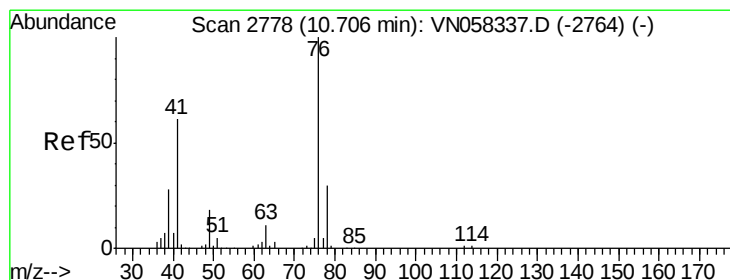
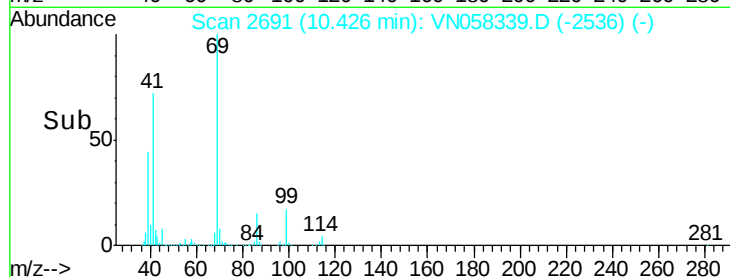
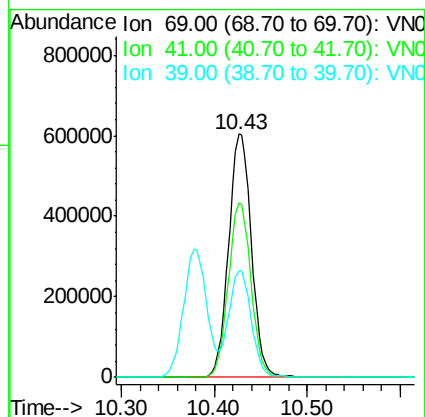
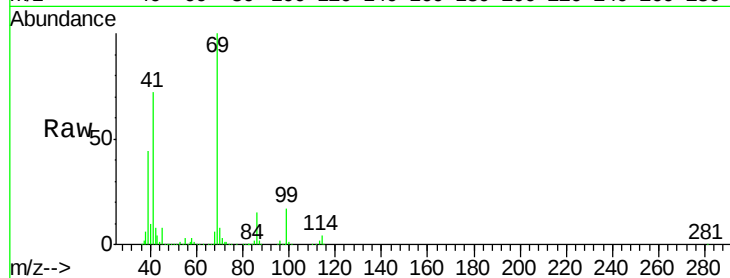
41 71.7 35.4 106.1

39 43.8 23.5 70.5

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#52

1,3-Dichloropropane

Concen: 97.356 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058339.D

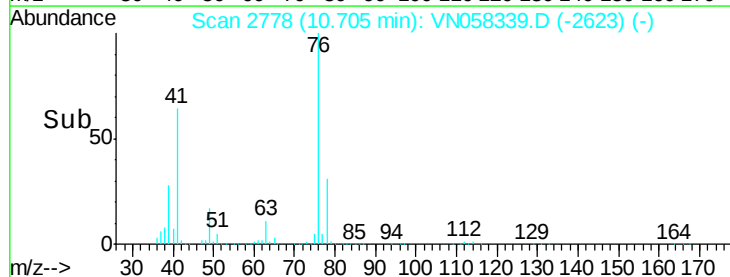
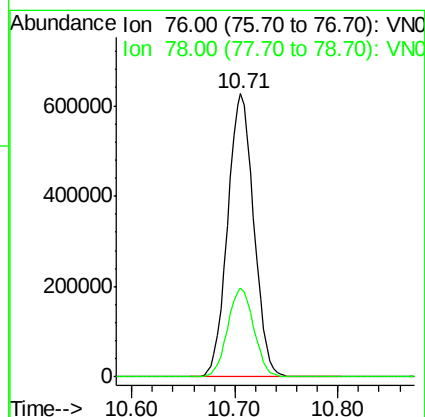
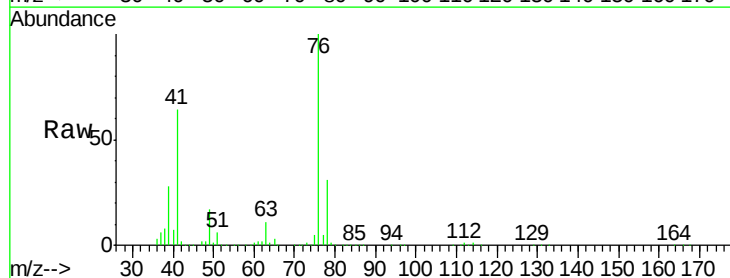
Acq: 24 Sep 2019 11:14

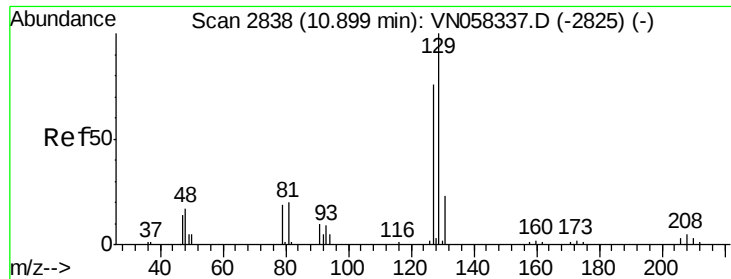
Tgt Ion: 76 Resp: 1107243

Ion Ratio Lower Upper

76 100

78 31.6 0.0 63.0





#53

Dibromochloromethane

Concen: 103.442 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 668343

Ion Ratio Lower Upper

129 100

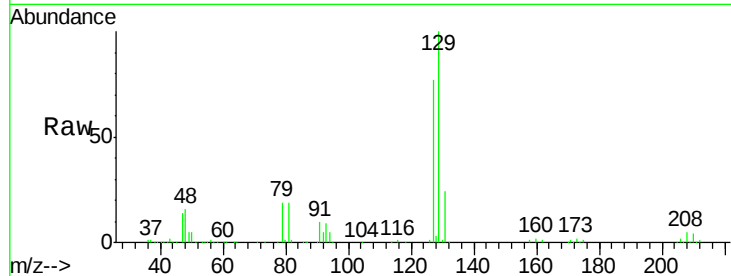
127 76.7 38.4 115.2

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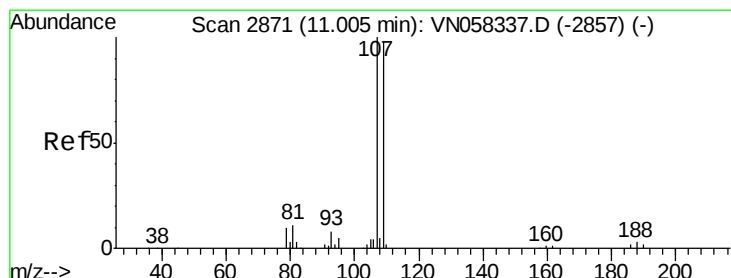
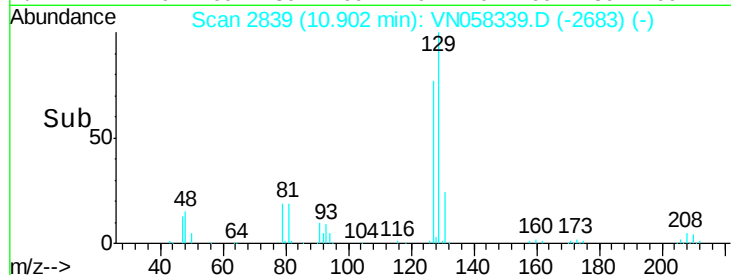
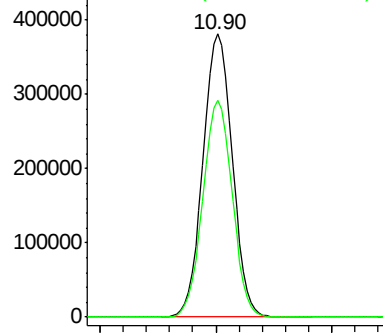
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 99.520 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058339.D

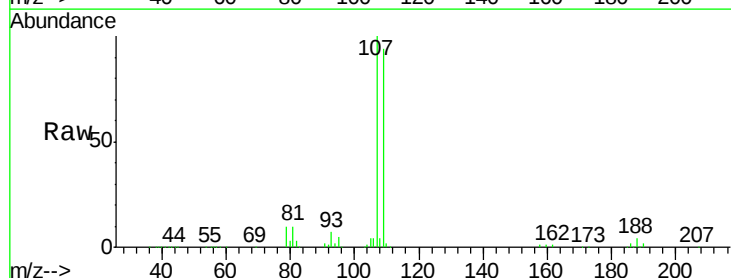
Acq: 24 Sep 2019 11:14

Tgt Ion:107 Resp: 644959

Ion Ratio Lower Upper

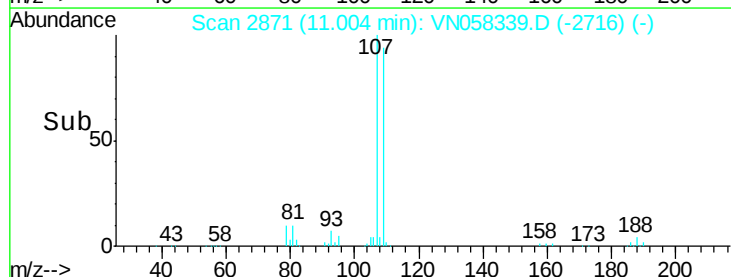
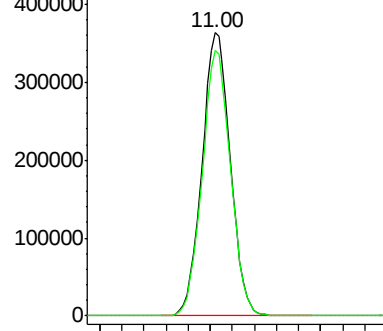
107 100

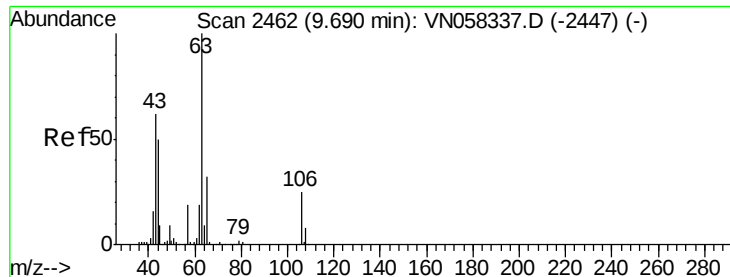
109 93.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 476.428 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 2208523

Ion Ratio Lower Upper

63 100

65 32.7 25.4 38.2

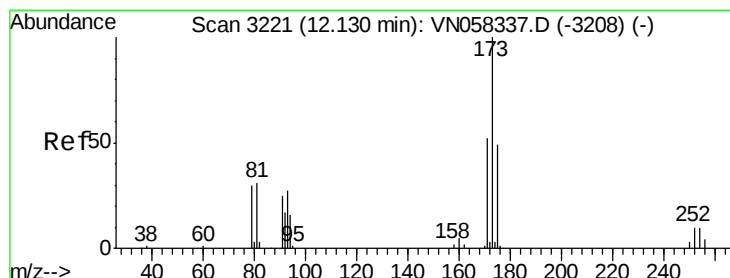
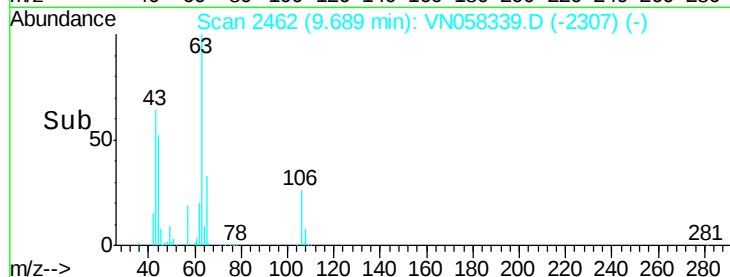
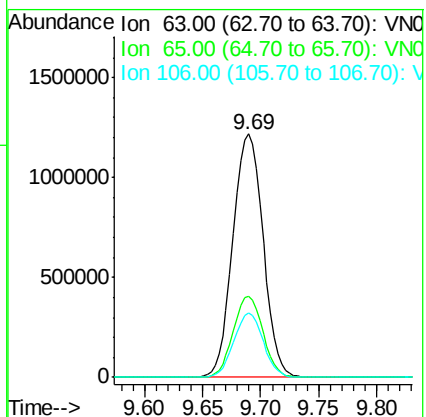
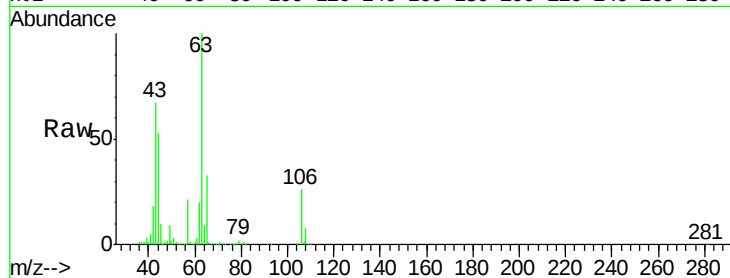
106 25.5 20.4 30.6

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#56

Bromoform

Concen: 109.592 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

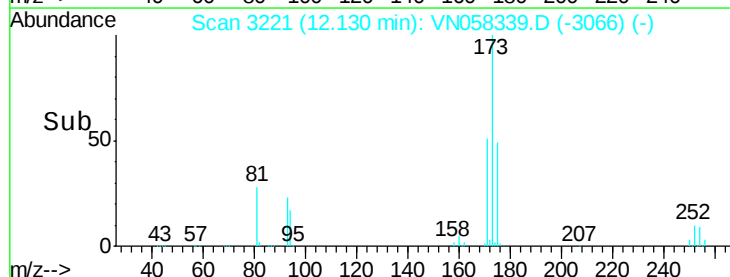
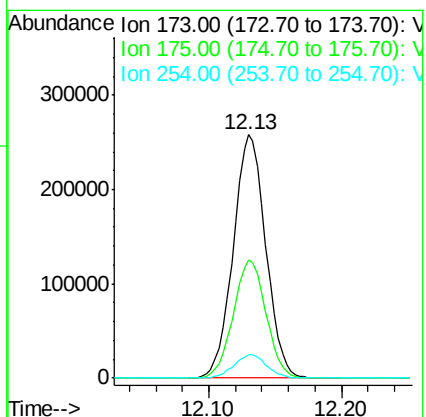
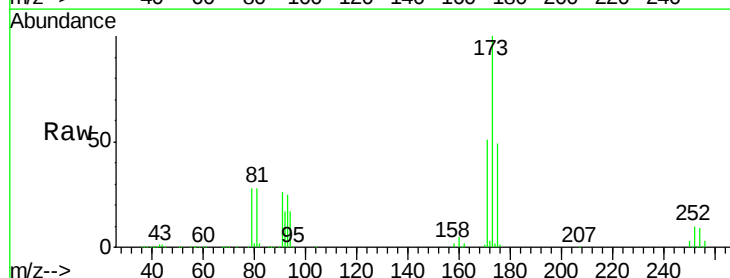
Tgt Ion: 173 Resp: 438423

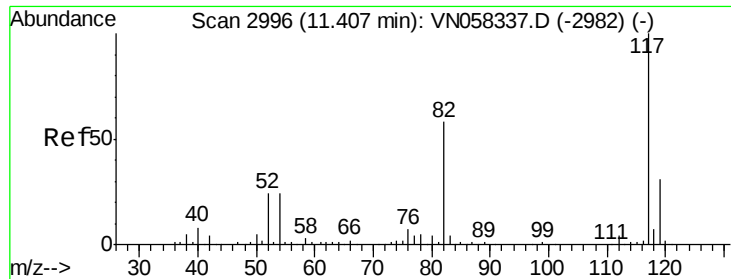
Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 9.6 7.8 11.8





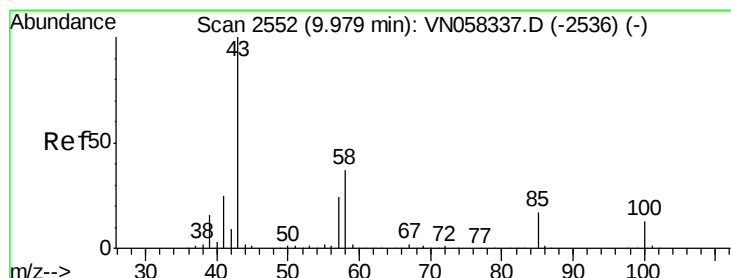
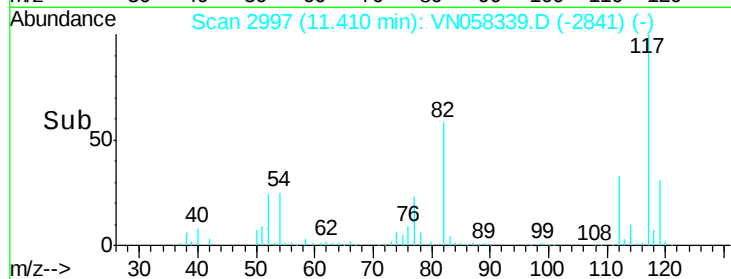
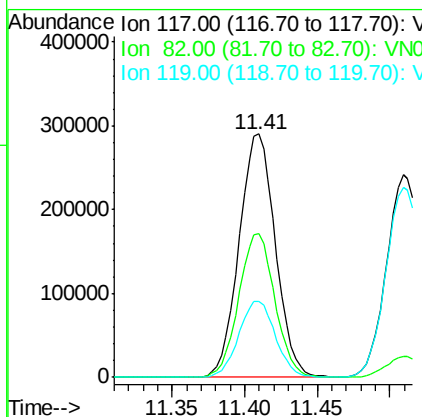
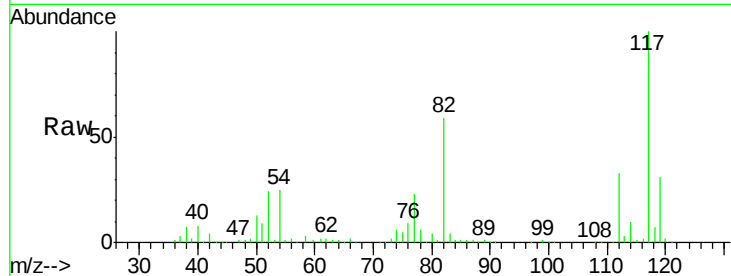
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.4	69.6
119	31.7	25.1	37.7

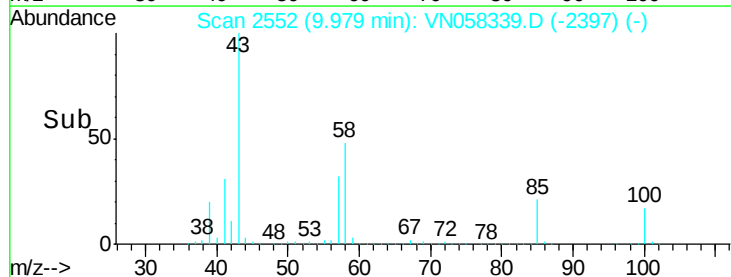
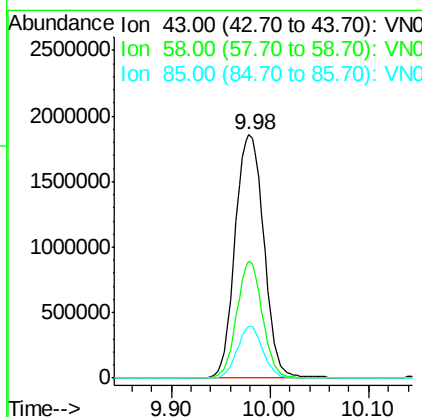
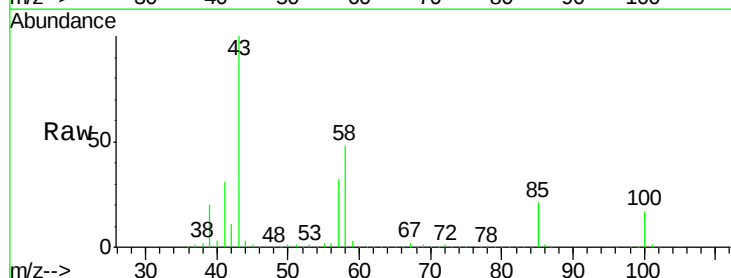
Manual Integrations
APPROVED

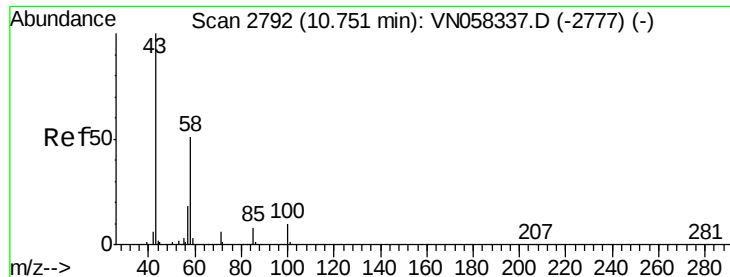
MMDadoda
9/25/2019 8:23:49 AM



#58
4-Methyl-2-Pentanone
Concen: 475.303 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.8	29.3	43.9
85	18.9	13.1	19.7





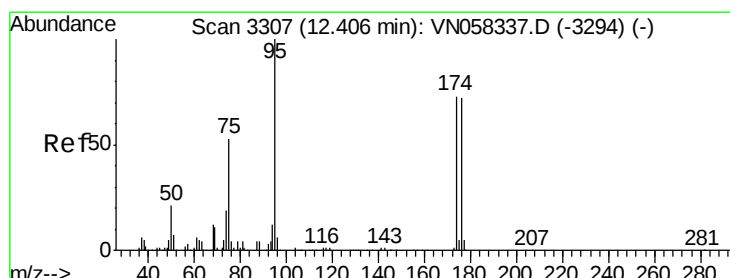
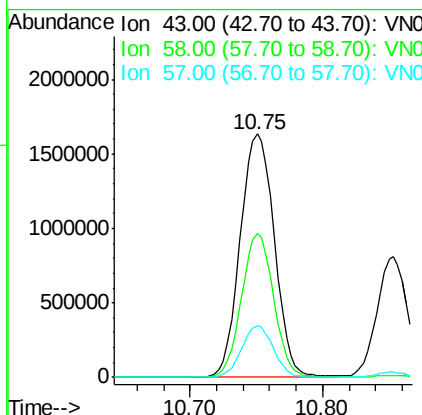
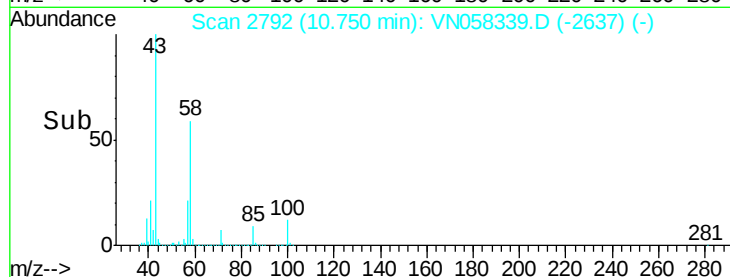
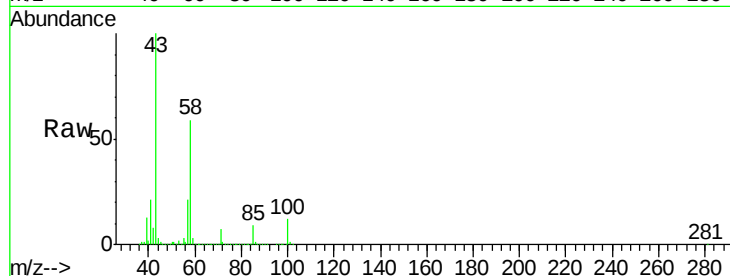
#59
2-Hexanone
Concen: 492.973 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2923807
Ion Ratio Lower Upper
43 100
58 55.6 40.7 61.1
57 19.9 14.7 22.1

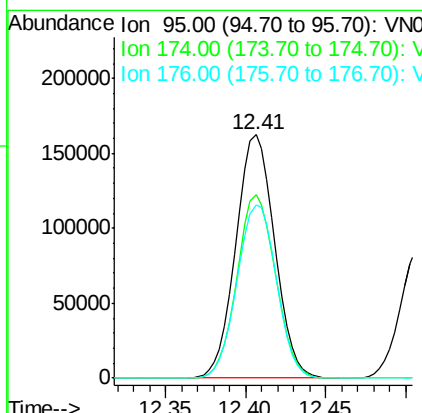
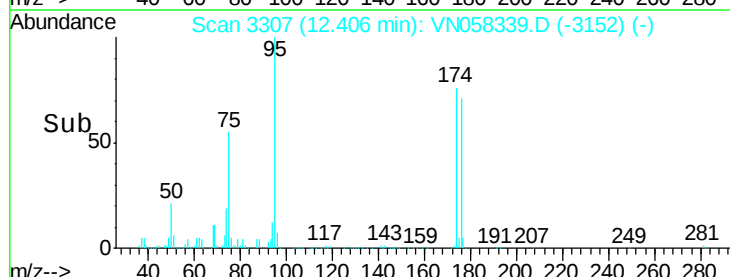
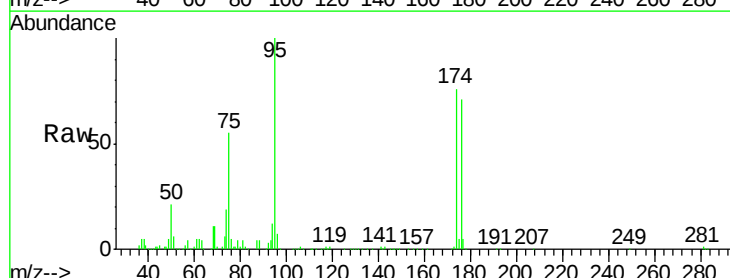
Manual Integrations
APPROVED

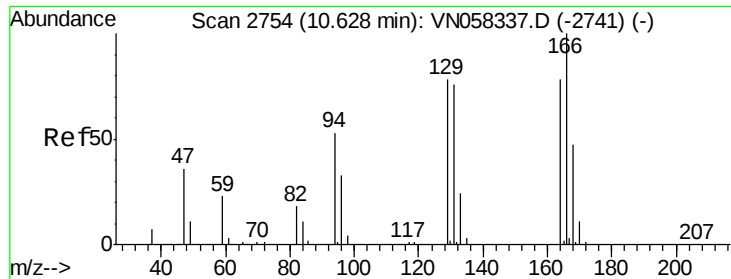
MMDadoda
9/25/2019 8:23:49 AM



#60
4-Bromofluorobenzene
Concen: 30.870 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 95 Resp: 267955
Ion Ratio Lower Upper
95 100
174 75.0 59.0 88.6
176 72.5 58.2 87.2





#61

Tetrachloroethene

Concen: 102.334 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 530903

Ion Ratio Lower Upper

164 100

166 127.3 102.6 154.0

129 99.3 79.8 119.6

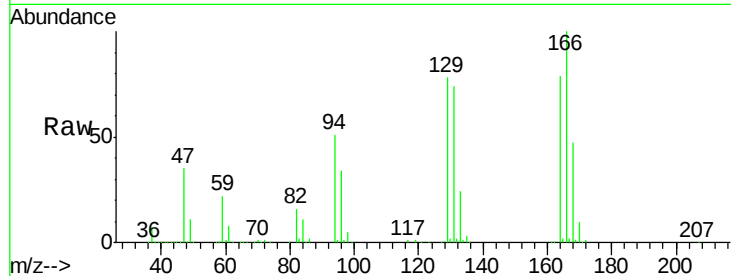
131 94.8 78.1 117.1

Manual Integrations

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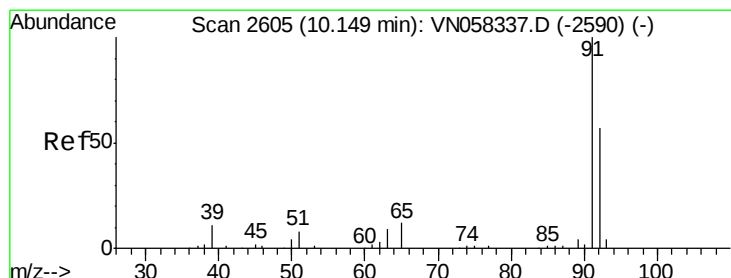
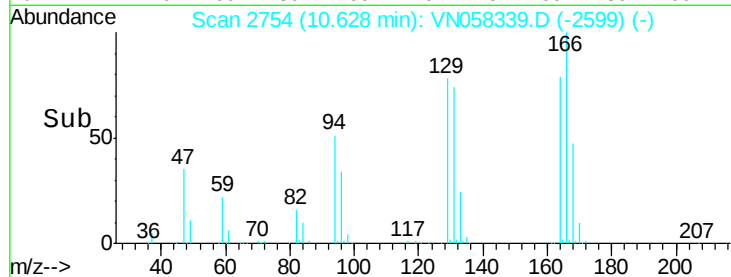
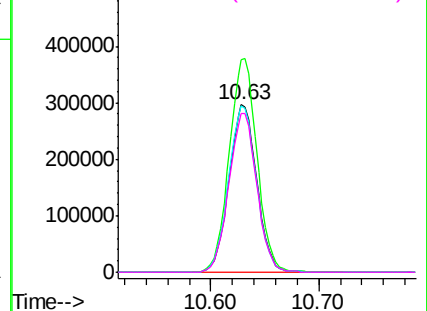


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 97.579 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058339.D

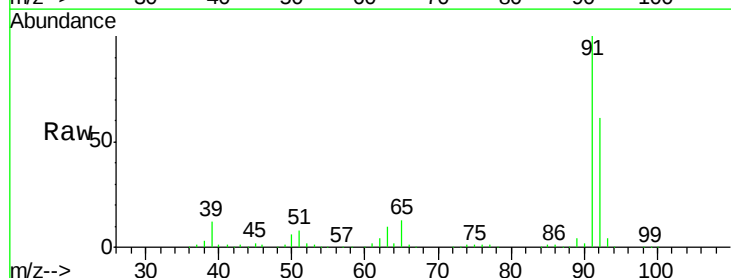
Acq: 24 Sep 2019 11:14

Tgt Ion: 91 Resp: 2737776

Ion Ratio Lower Upper

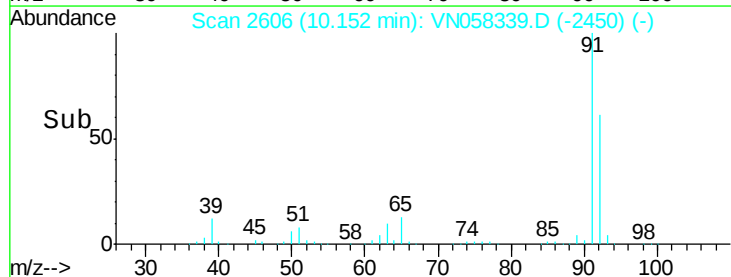
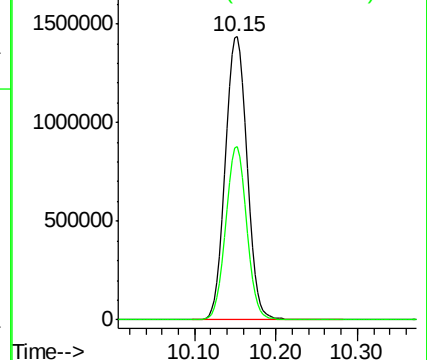
91 100

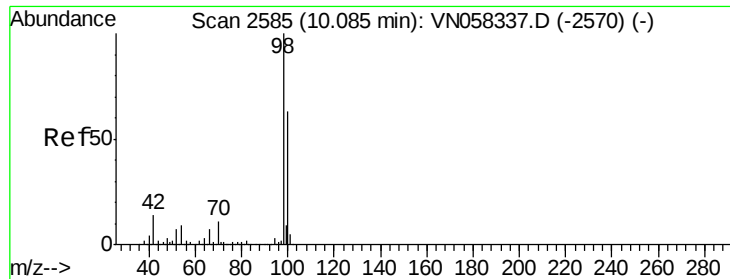
92 59.1 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.106 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 726294

Ion Ratio Lower Upper

98 100

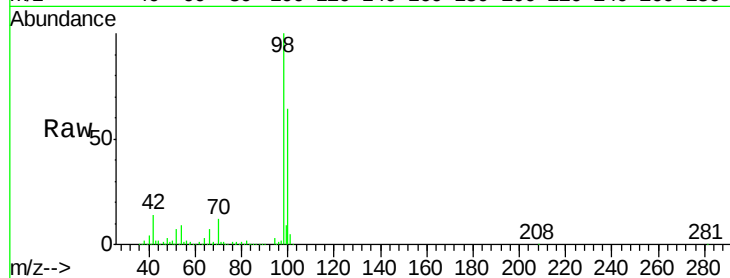
100 62.7 50.2 75.2

Manual Integrations

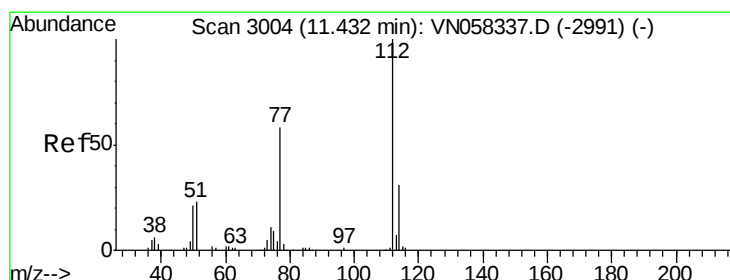
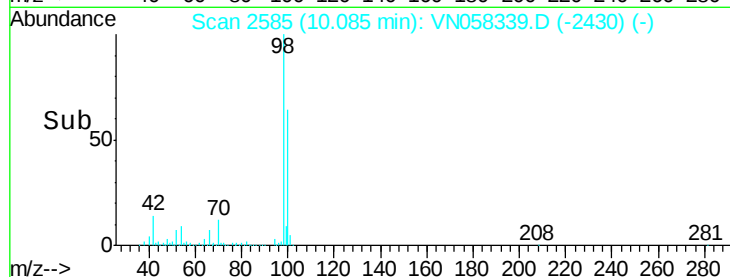
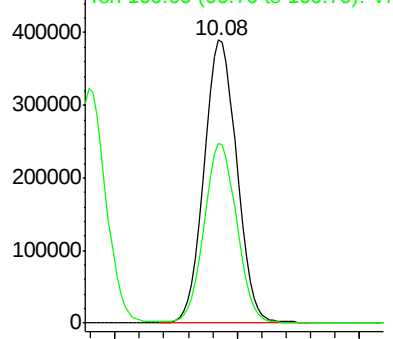
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Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)



#64

Chlorobenzene

Concen: 97.187 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058339.D

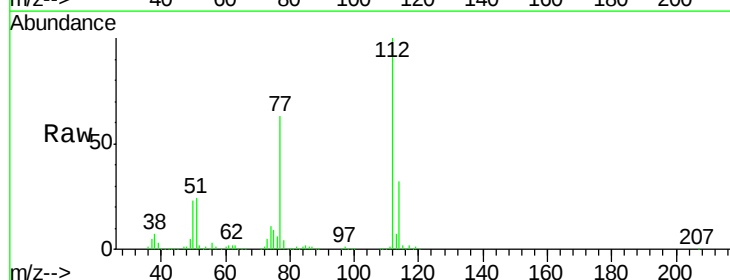
Acq: 24 Sep 2019 11:14

Tgt Ion: 112 Resp: 1690436

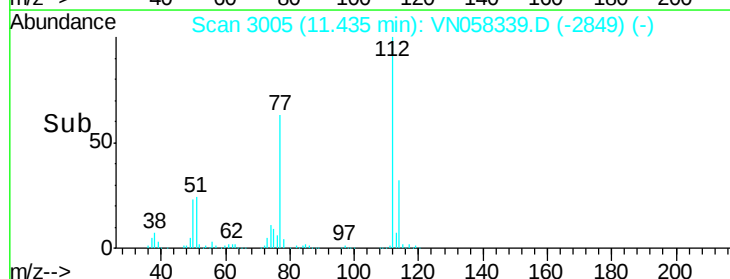
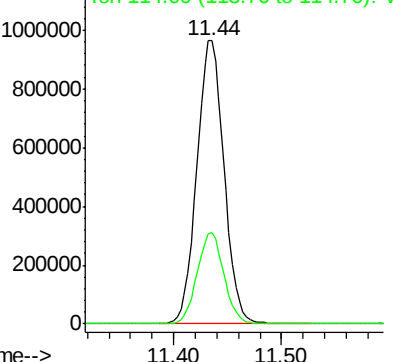
Ion Ratio Lower Upper

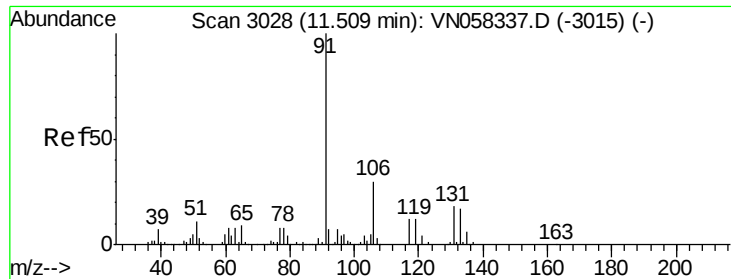
112 100

114 32.2 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN058337.D (-2991) (-)





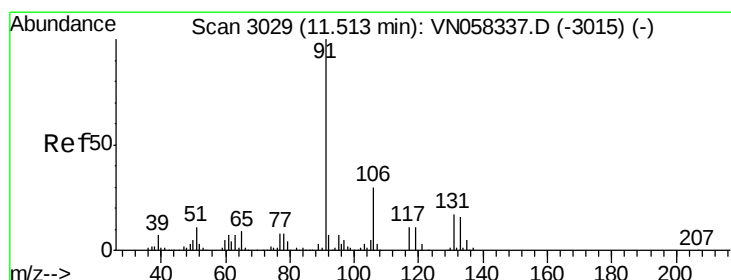
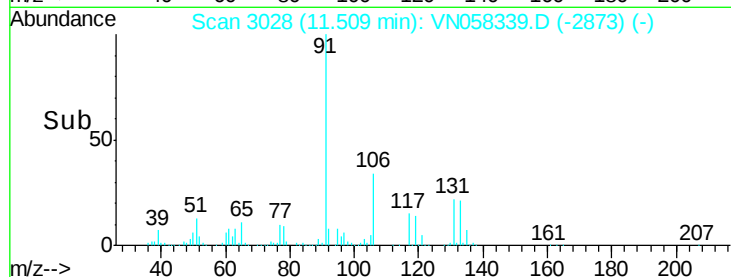
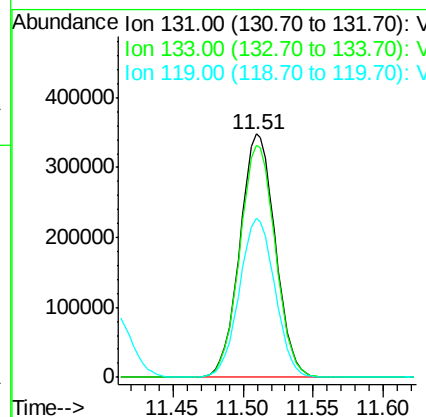
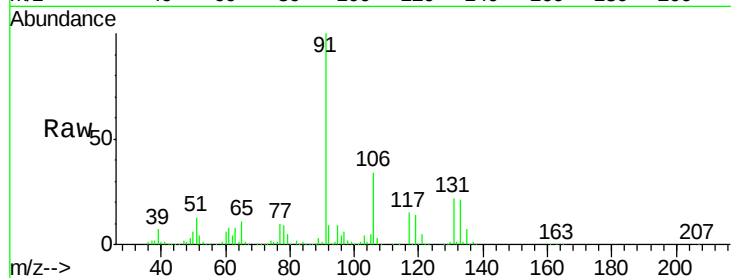
#65
1,1,1,2-Tetrachloroethane
Concen: 101.142 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	612581		
133	95.6	0.0	191.8	
119	65.5	0.0	134.2	

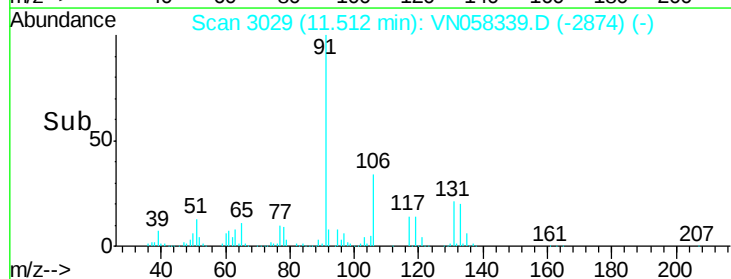
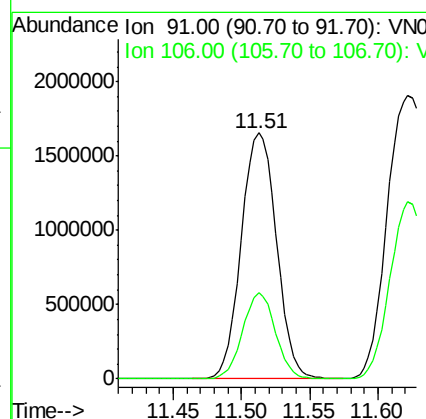
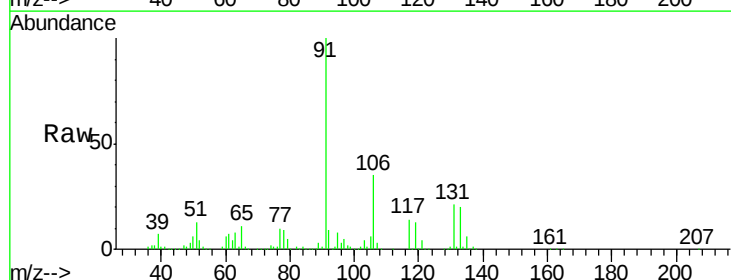
Manual Integrations
APPROVED

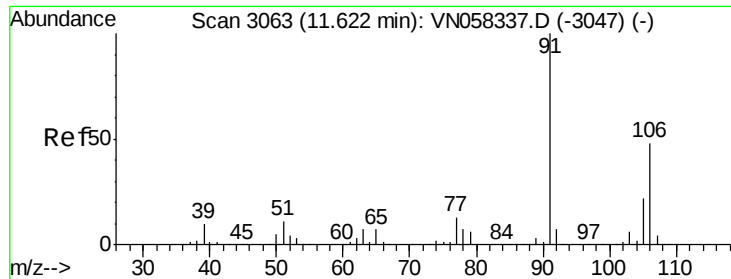
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#66
Ethyl Benzene
Concen: 96.729 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2970364		
106	34.8	24.2	36.4	





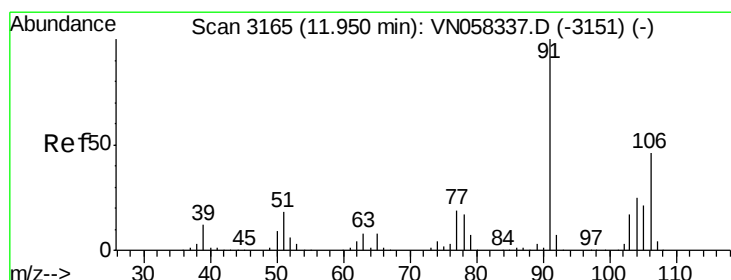
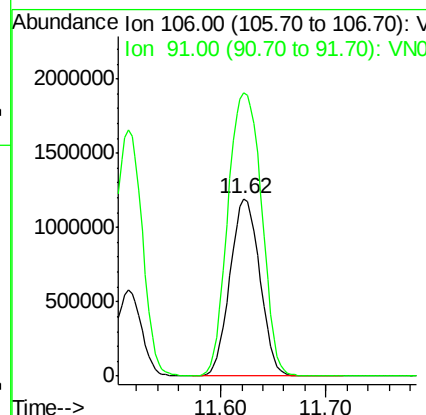
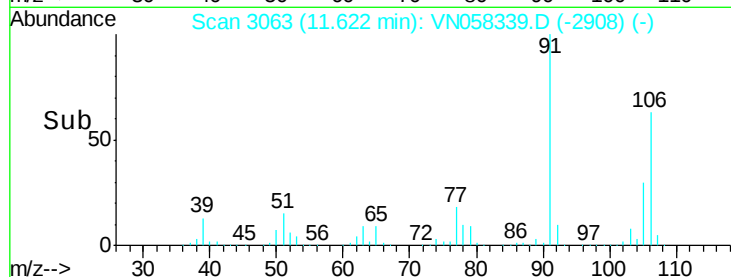
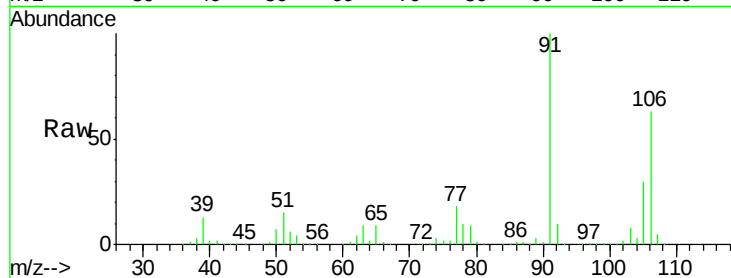
#67
m/p-Xvlenes
Concen: 199.298 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion:106 Resp: 2337857
Ion Ratio Lower Upper
106 100
91 180.6 167.8 251.6

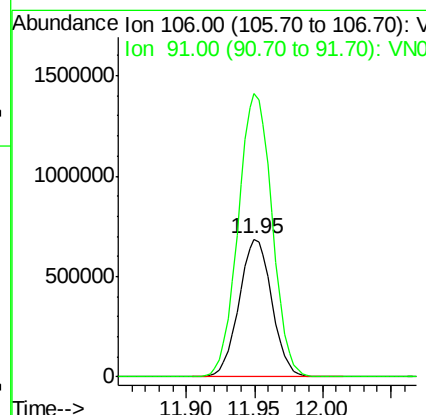
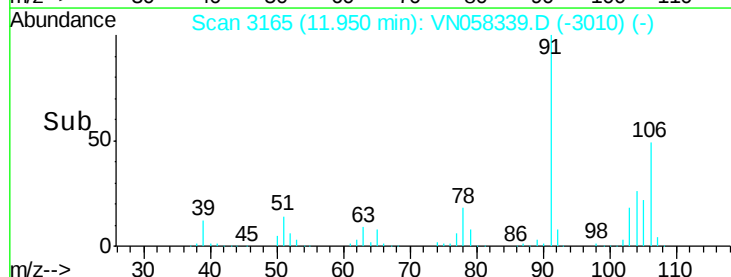
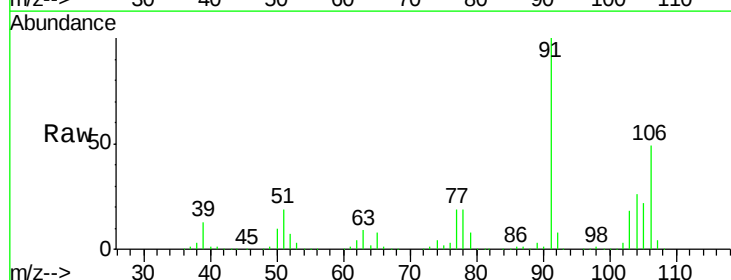
Manual Integrations
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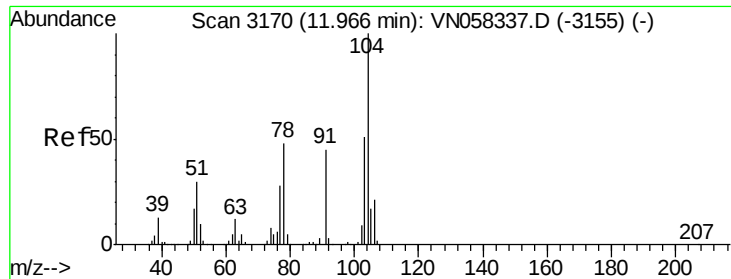
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#68
o-Xylene
Concen: 99.475 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion:106 Resp: 1145092
Ion Ratio Lower Upper
106 100
91 212.3 108.7 325.9





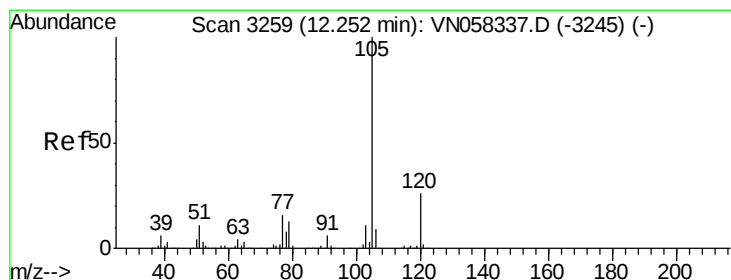
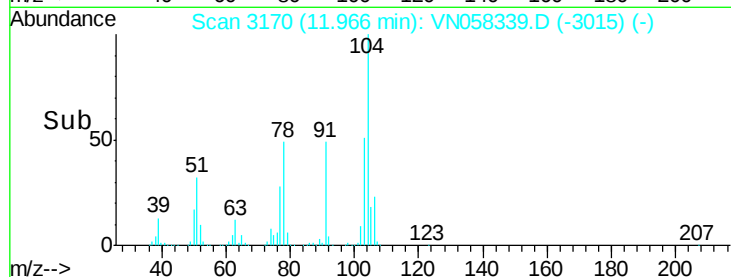
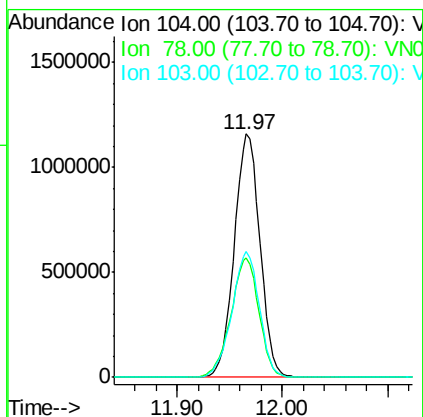
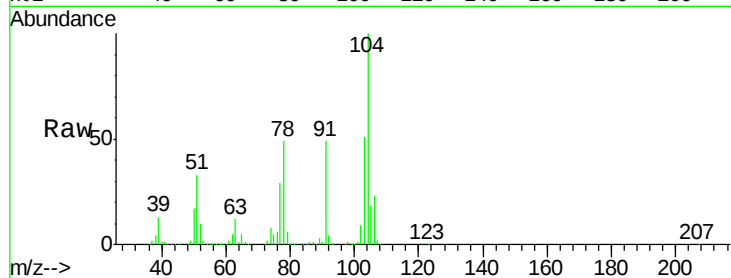
#69
Stvrene
Concen: 100.385 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.3	63.5
103	55.2	44.1	66.1

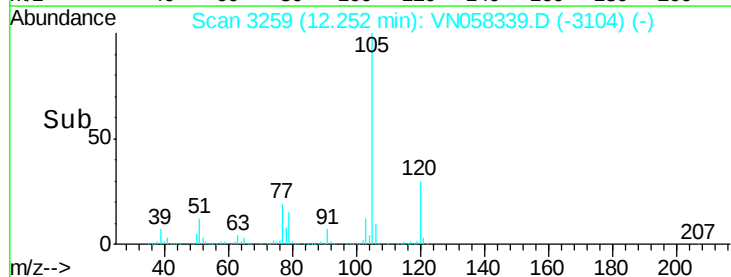
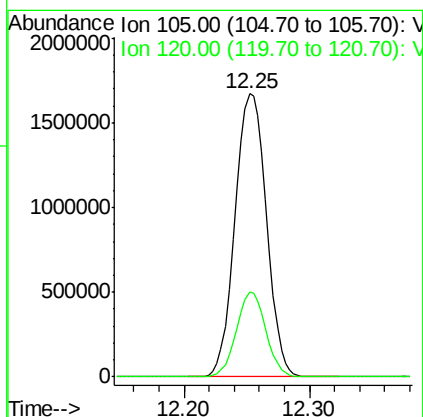
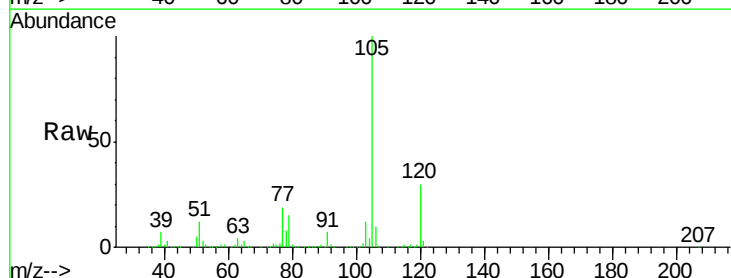
Manual Integrations
APPROVED

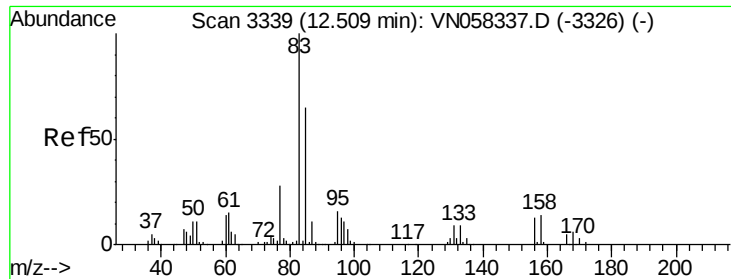
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#70
Isopropylbenzene
Concen: 96.342 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	18.2	33.8





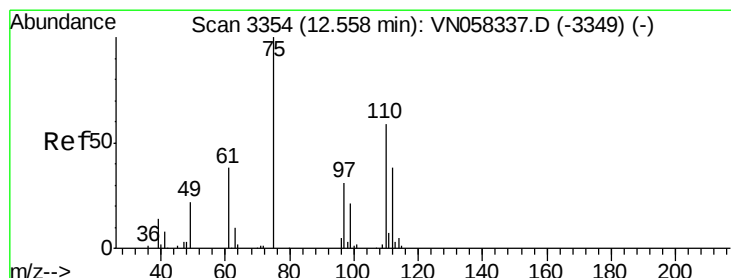
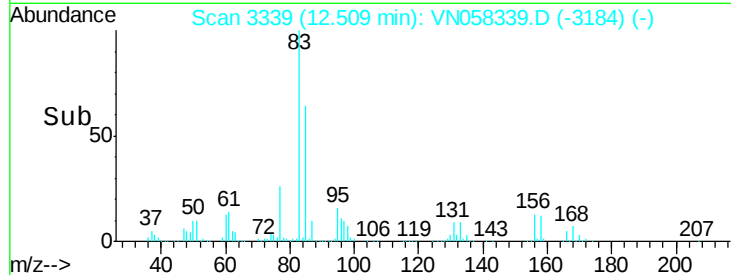
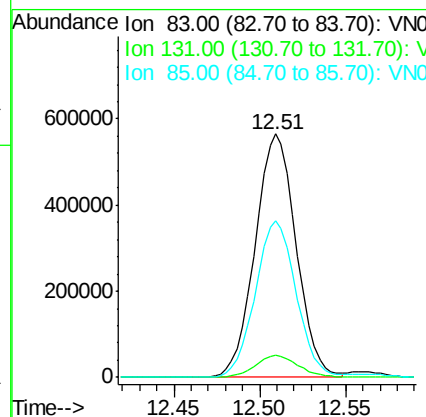
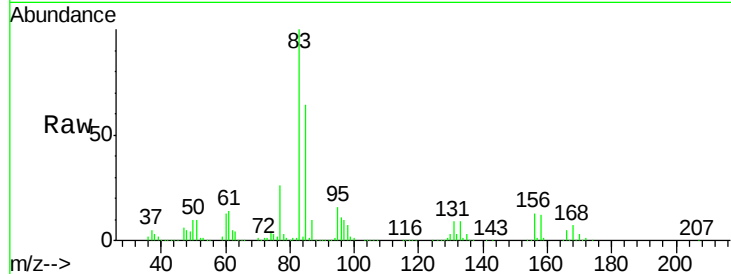
#71
 1,1,2,2-Tetrachloroethane
 Concen: 98.765 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	932631		
131	9.6	4.8	14.3	
85	63.9	32.6	97.7	

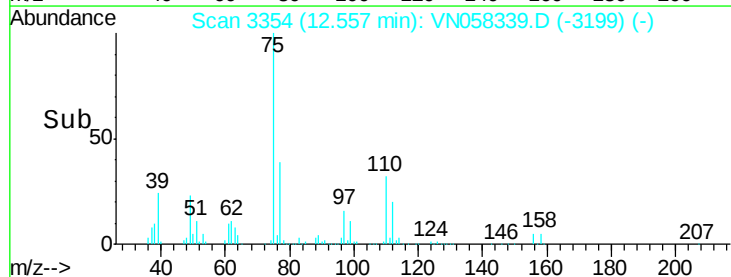
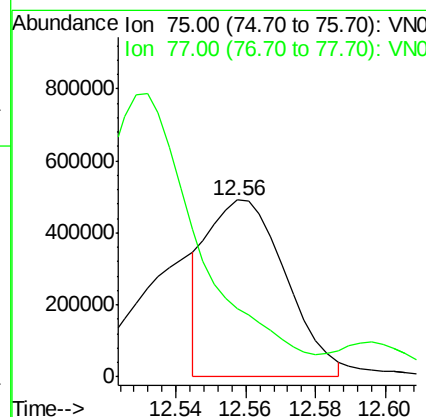
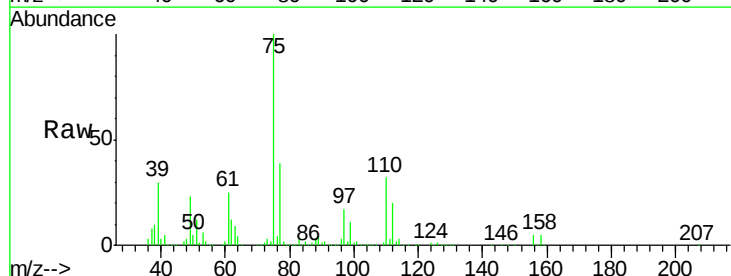
Manual Integrations
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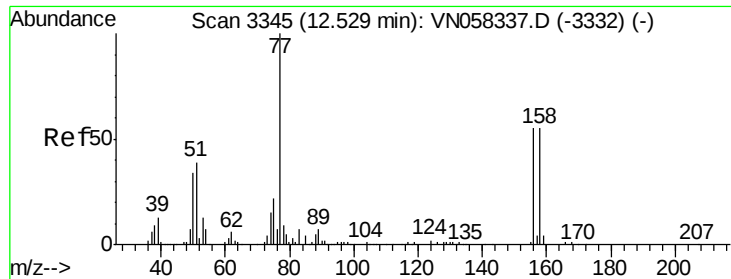
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 9/25/2019 8:23:49 AM



#72
 1,2,3-Trichloropropane
 Concen: 91.998 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	770998		
77	209.5	0.0	382.4	





#73

Bromobenzene

Concen: 97.726 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 712598

Ion Ratio Lower Upper

156 100

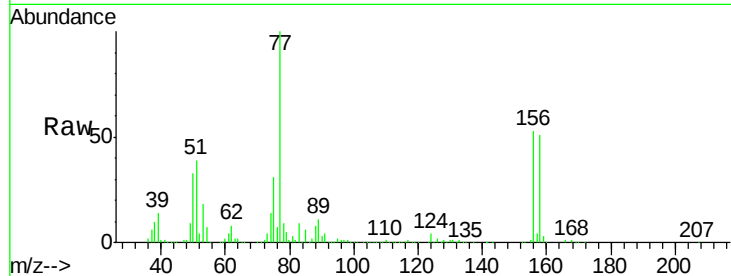
77 226.7 0.0 438.8

158 97.2 0.0 195.6

Manual Integrations
APPROVED

MMDadoda

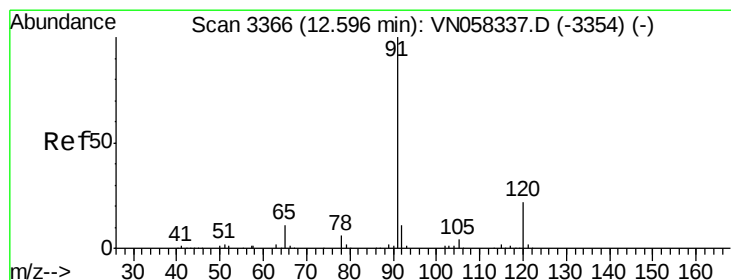
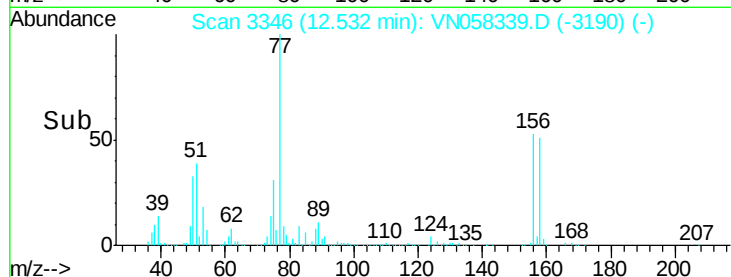
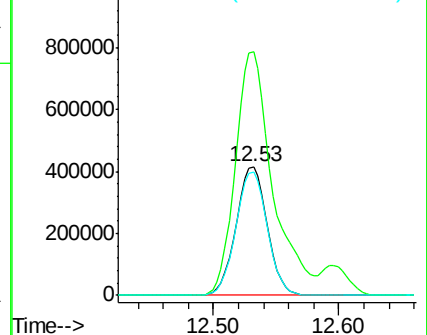
9/25/2019 8:23:49 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 95.740 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058339.D

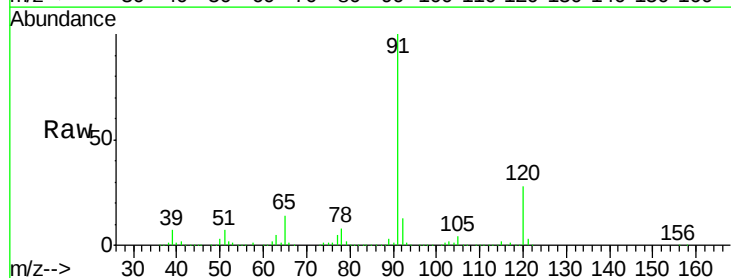
Acq: 24 Sep 2019 11:14

Tgt Ion: 91 Resp: 3313302

Ion Ratio Lower Upper

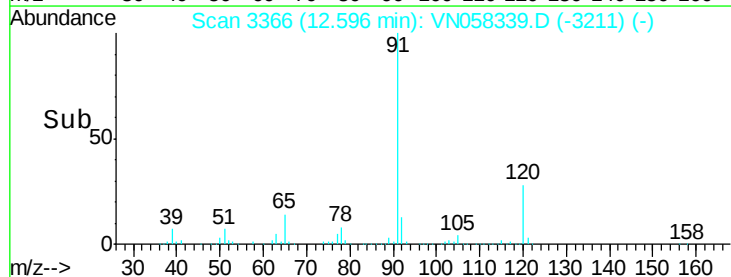
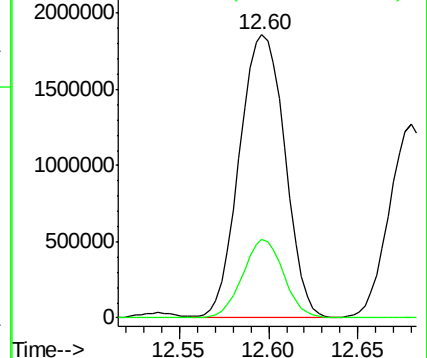
91 100

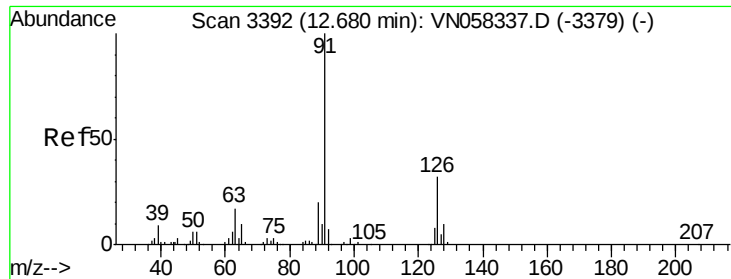
120 24.9 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 98.702 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2131979

Ion Ratio Lower Upper

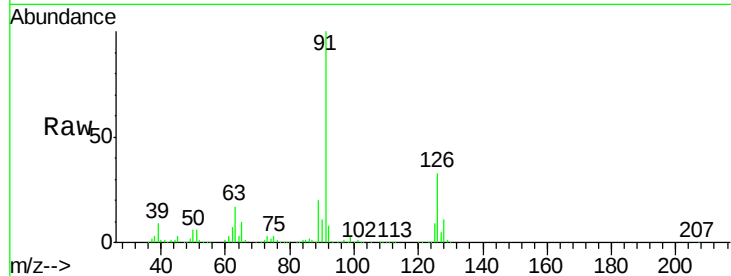
91 100

126 32.6 0.0 65.0

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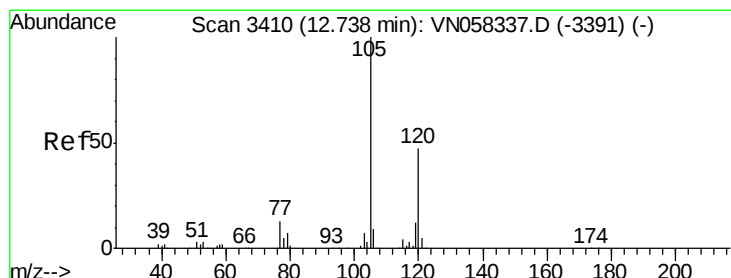
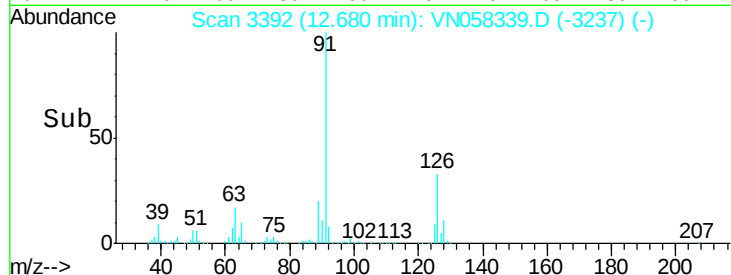
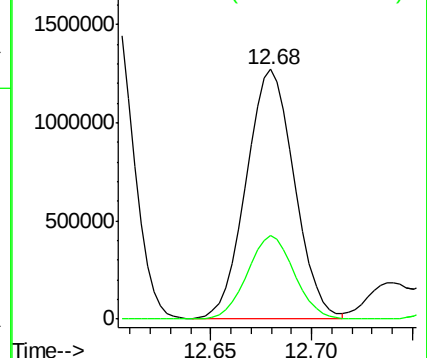
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN058339.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058339.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 98.963 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058339.D

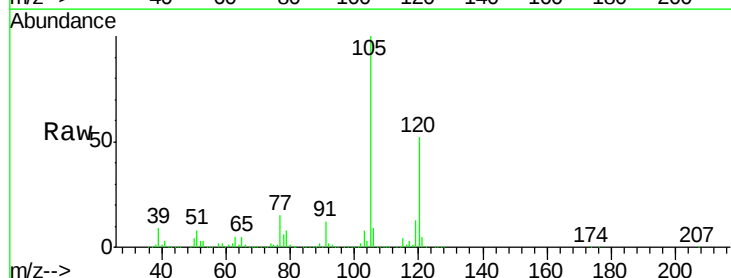
Acq: 24 Sep 2019 11:14

Tgt Ion: 105 Resp: 2556230

Ion Ratio Lower Upper

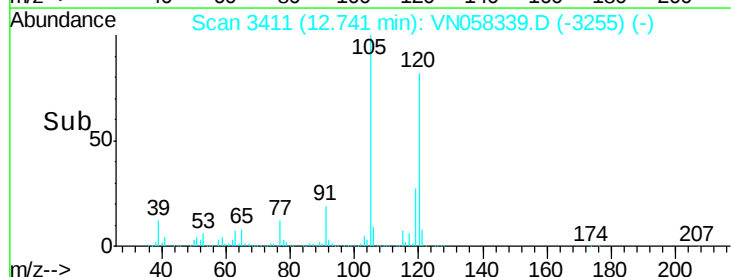
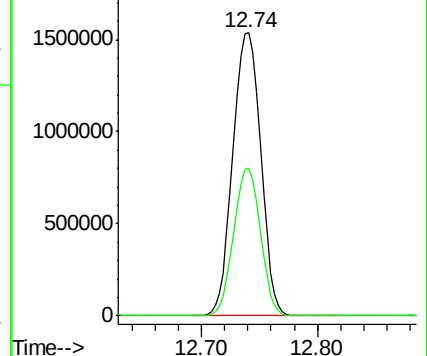
105 100

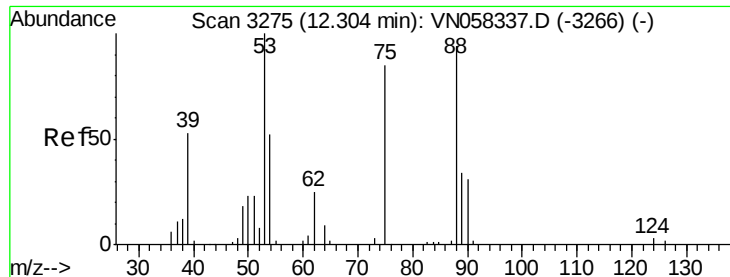
120 49.7 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058339.D (-3255) (-)

Ion 120.00 (119.70 to 120.70): VN058339.D (-3255) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 118.094 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 300016

Ion Ratio Lower Upper

75 100

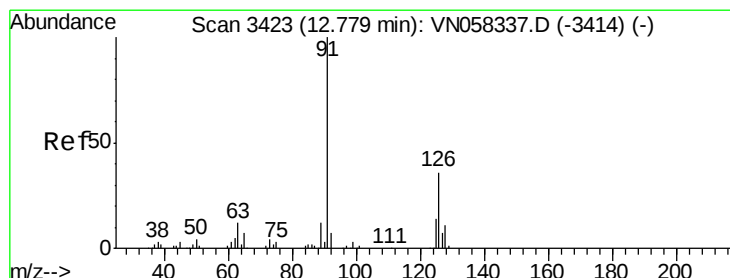
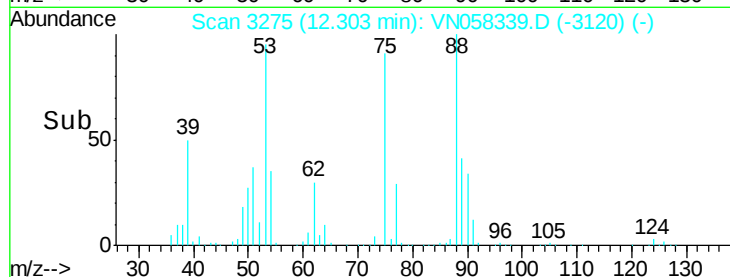
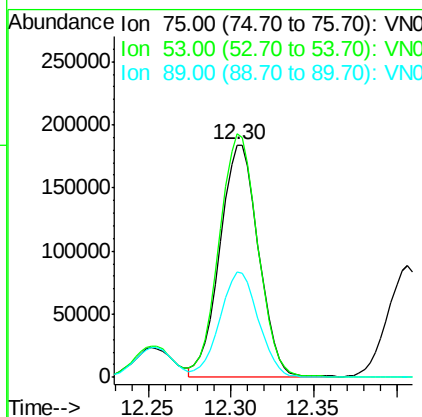
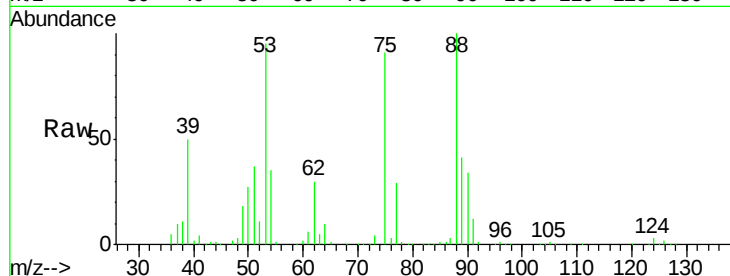
53 104.9 59.0 176.8

89 45.6 21.6 65.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 100.701 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058339.D

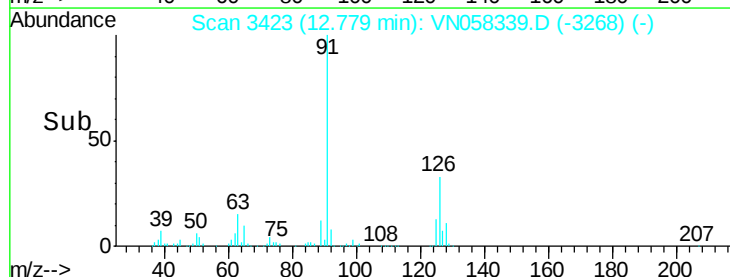
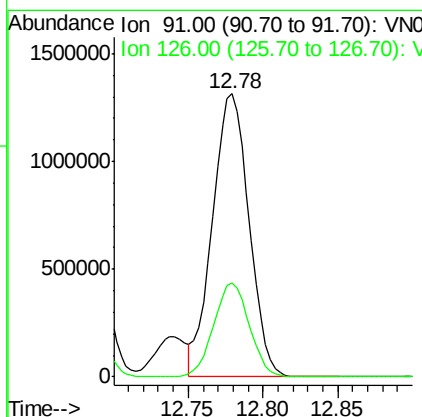
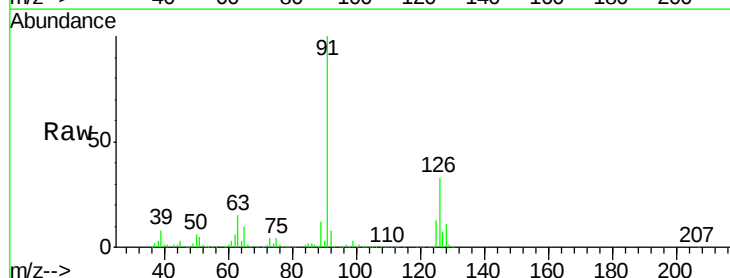
Acq: 24 Sep 2019 11:14

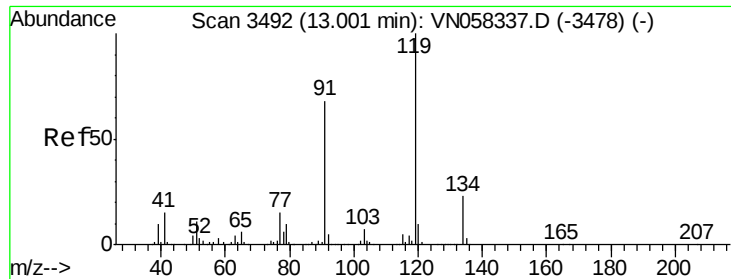
Tgt Ion: 91 Resp: 2228649

Ion Ratio Lower Upper

91 100

126 32.3 0.0 63.8





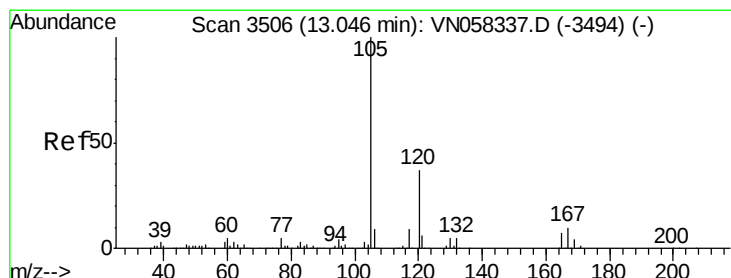
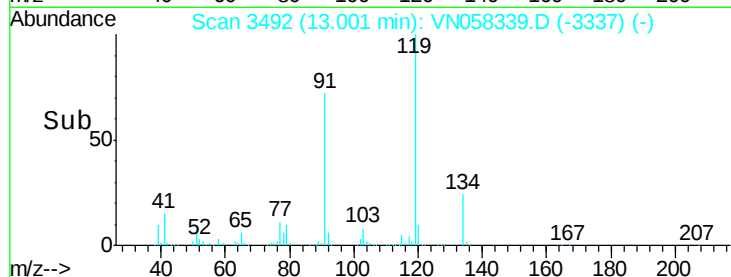
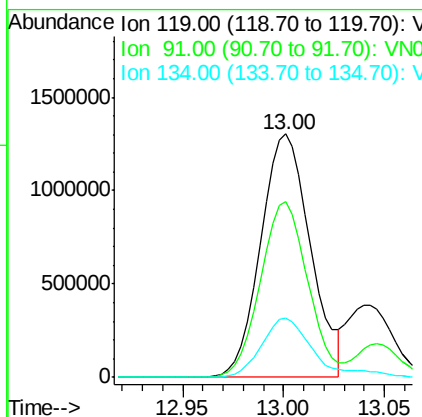
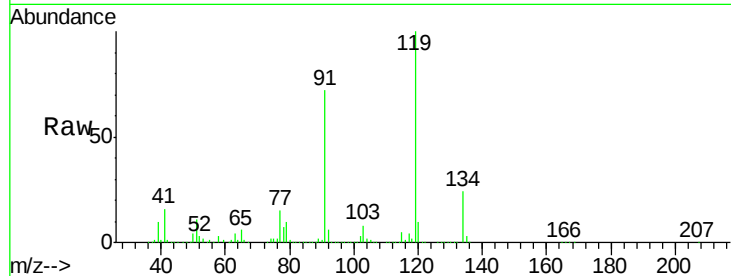
#79
tert-butylbenzene
Concen: 99.837 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 2234604
Ion Ratio Lower Upper
119 100
91 68.3 0.0 138.2
134 23.6 0.0 46.8

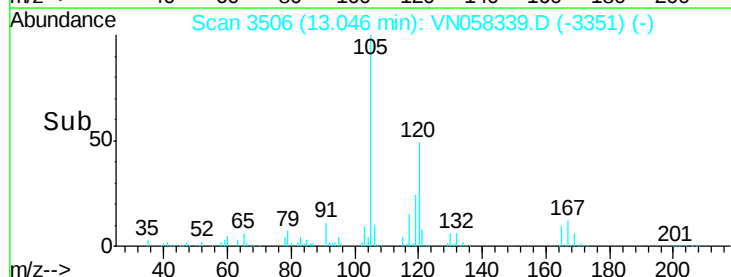
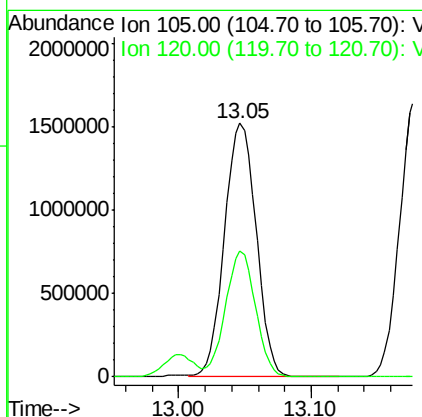
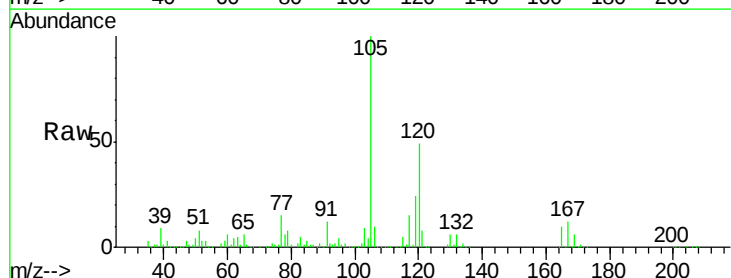
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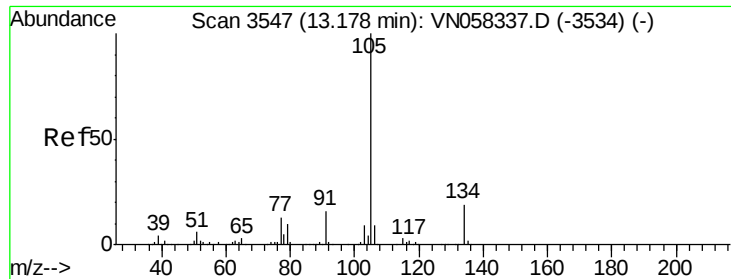
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#80
1,2,4-Trimethylbenzene
Concen: 98.424 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion:105 Resp: 2538716
Ion Ratio Lower Upper
105 100
120 46.9 0.0 86.6





#81

sec-Butylbenzene

Concen: 96.313 ug/l

RT: 13.18 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2882053

Ion Ratio Lower Upper

105 100

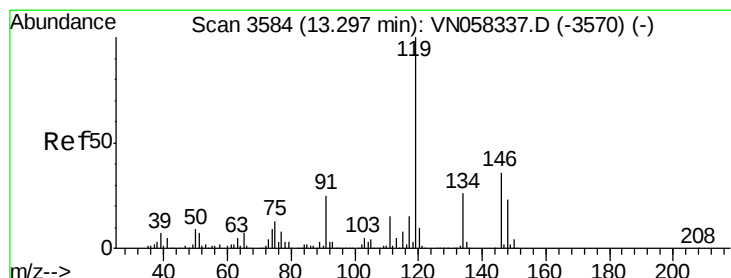
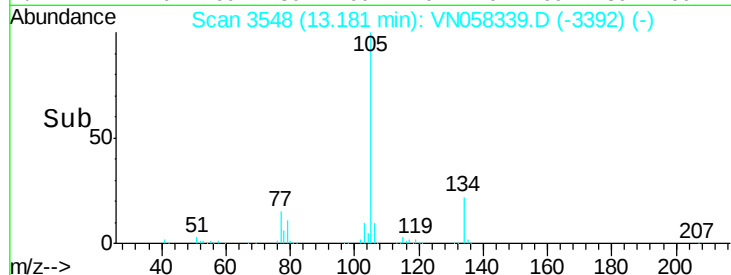
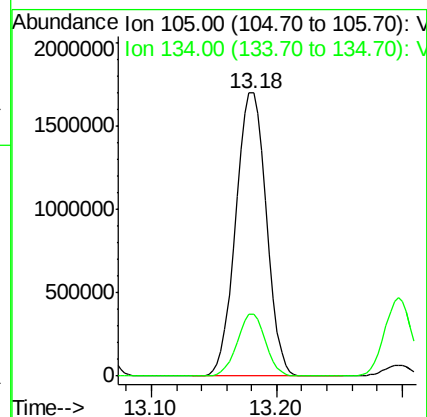
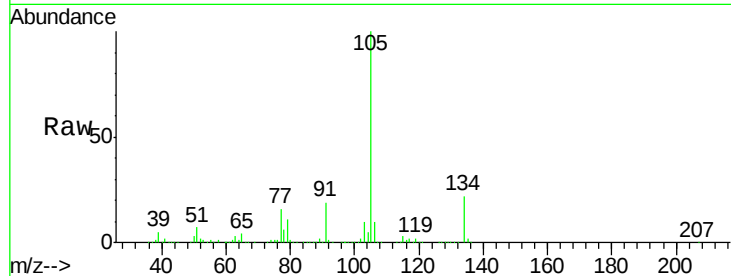
134 20.4 0.0 38.2

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 98.883 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

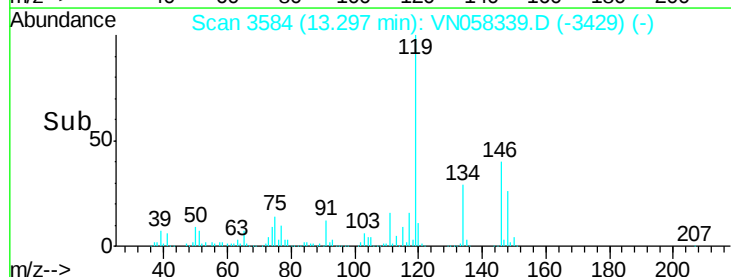
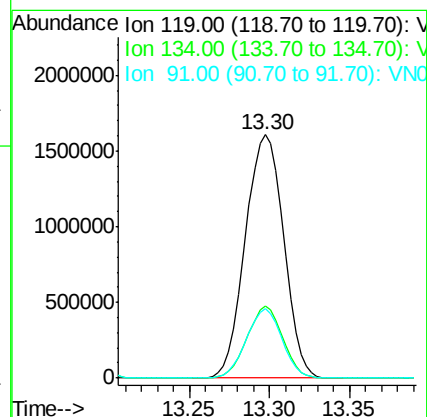
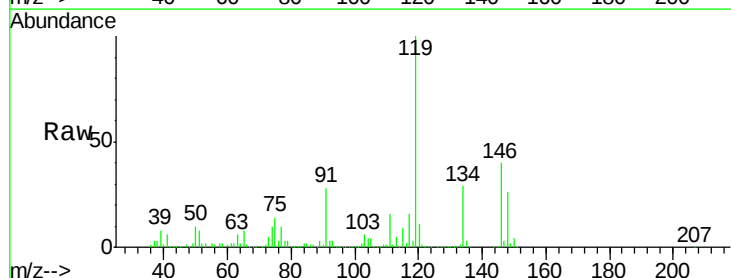
Tgt Ion:119 Resp: 2638727

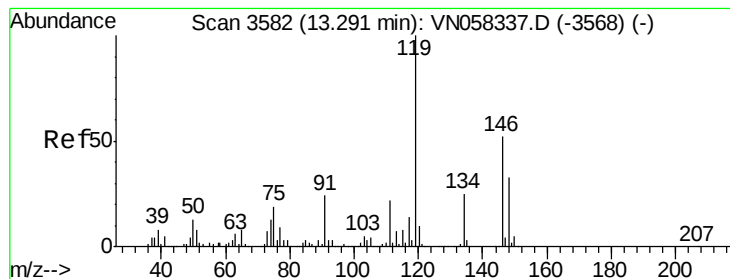
Ion Ratio Lower Upper

119 100

134 27.3 0.0 51.6

91 26.4 0.0 49.6





#83

1,3-Dichlorobenzene

Concen: 98.908 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion:146 Resp: 1333308

Ion Ratio Lower Upper

146 100

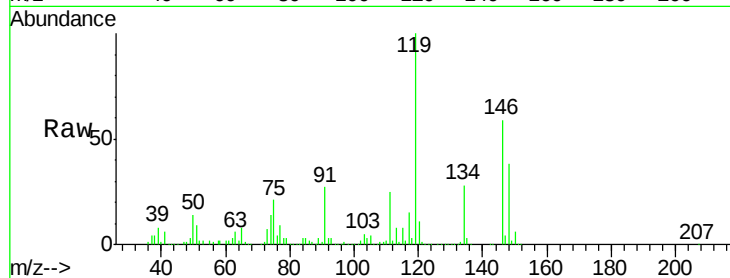
111 42.0 20.9 62.8

148 64.1 32.0 96.2

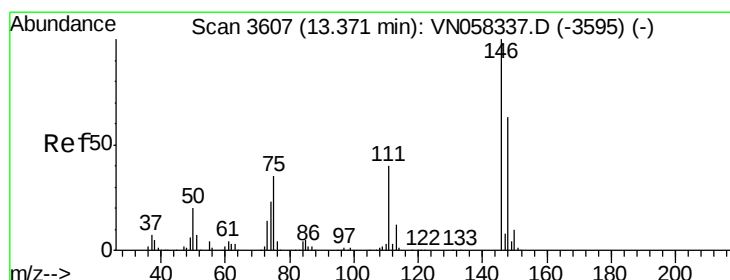
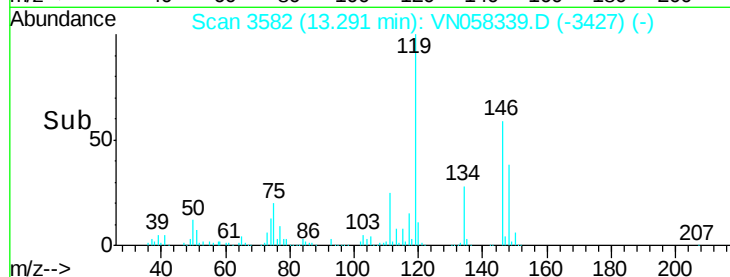
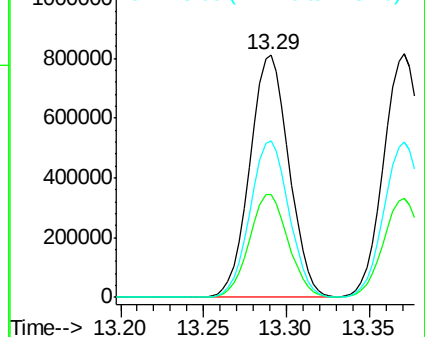
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 100.750 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

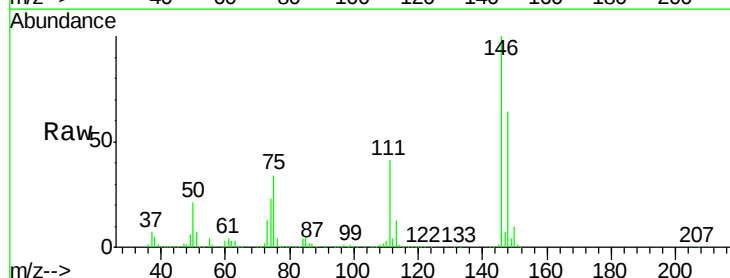
Tgt Ion:146 Resp: 1340841

Ion Ratio Lower Upper

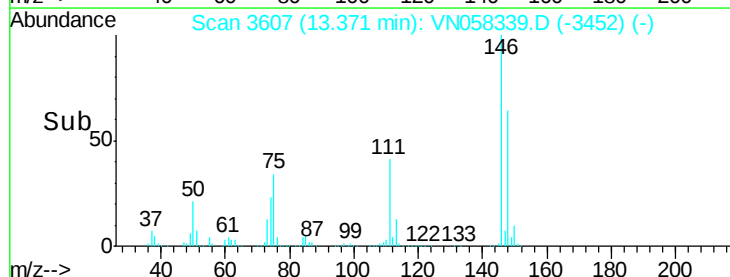
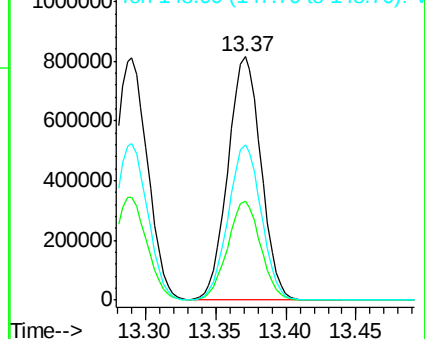
146 100

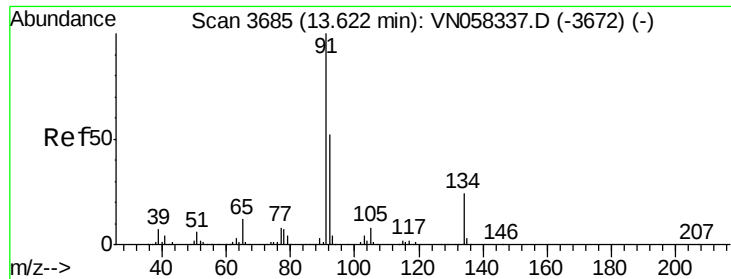
111 40.1 20.4 61.3

148 63.4 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





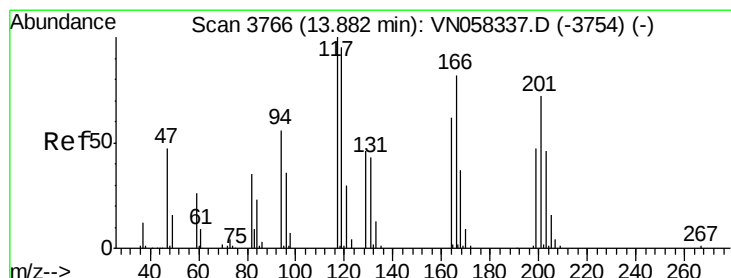
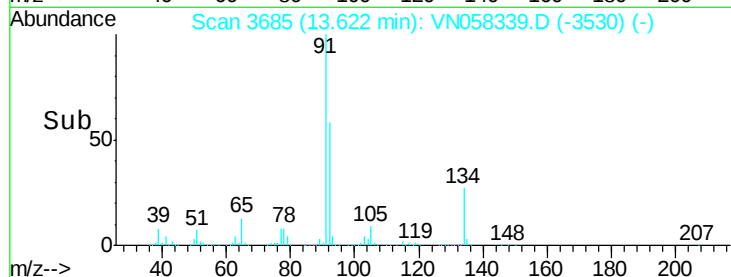
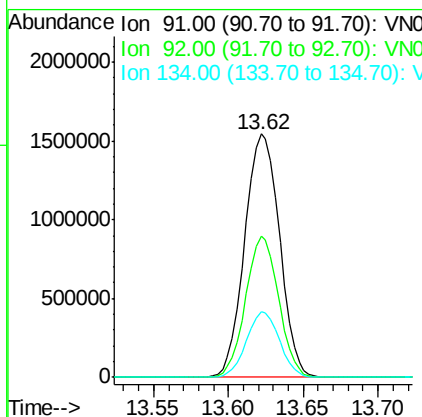
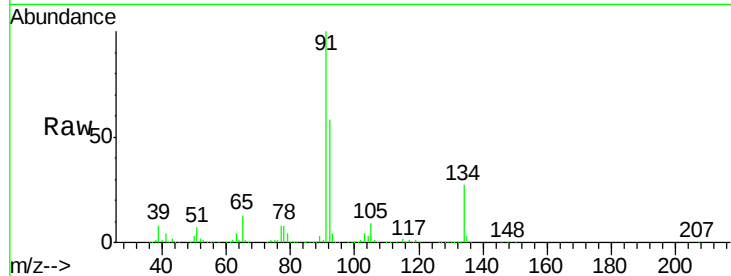
#85
n-Butylbenzene
Concen: 101.187 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2509818
Ion Ratio Lower Upper
91 100
92 54.8 0.0 102.6
134 25.7 0.0 47.8

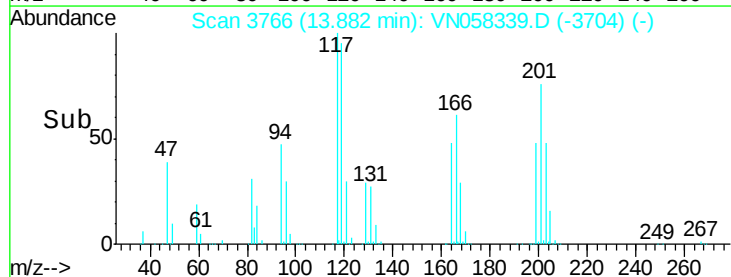
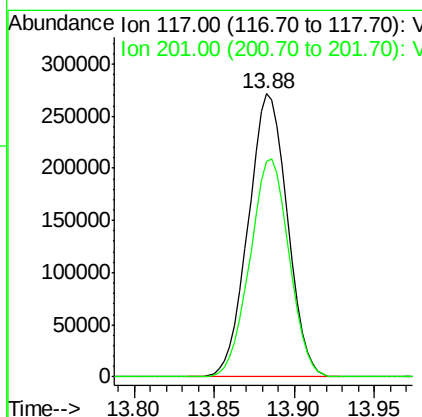
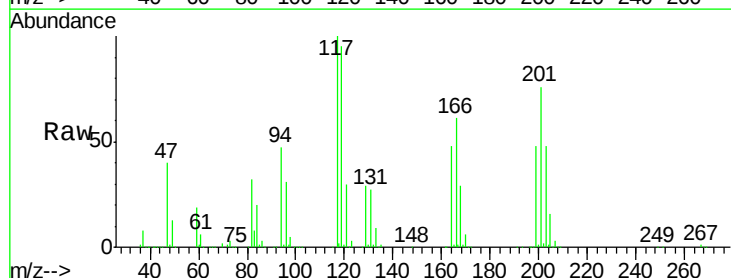
Manual Integrations
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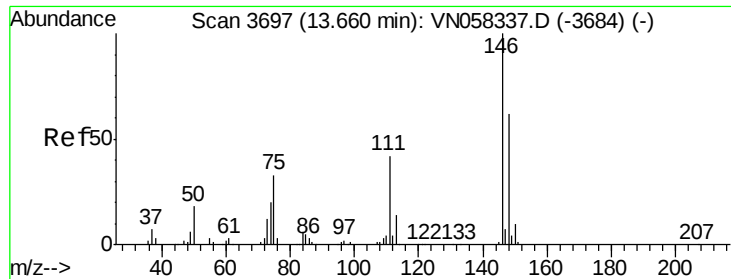
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#86
Hexachloroethane
Concen: 106.221 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 117 Resp: 456099
Ion Ratio Lower Upper
117 100
201 77.2 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 98.979 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1300281

Ion Ratio Lower Upper

146 100

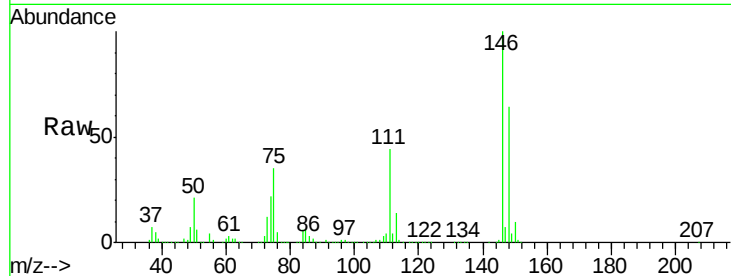
111 43.3 21.1 63.3

148 63.6 31.9 95.7

Manual Integrations
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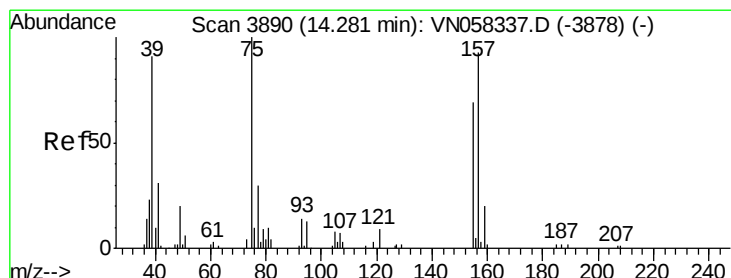
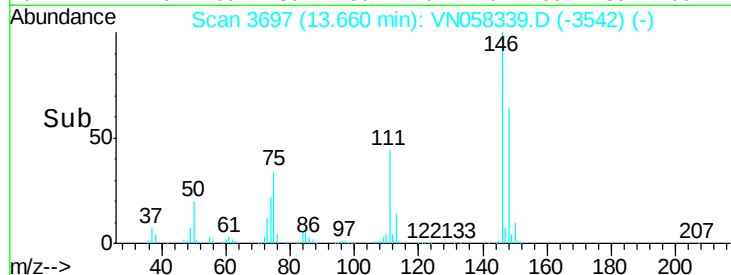
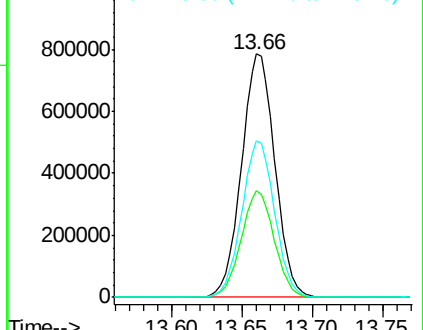
9/25/2019 8:23:49 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 113.770 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

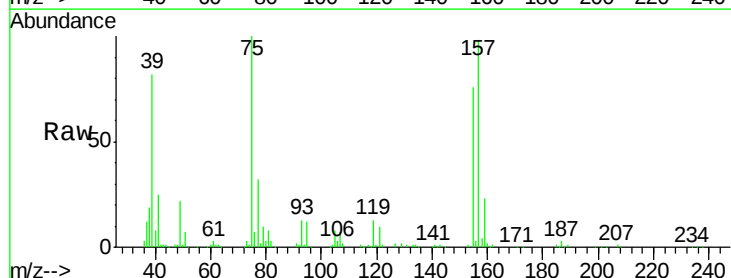
Tgt Ion: 75 Resp: 192940

Ion Ratio Lower Upper

75 100

155 75.1 58.5 87.7

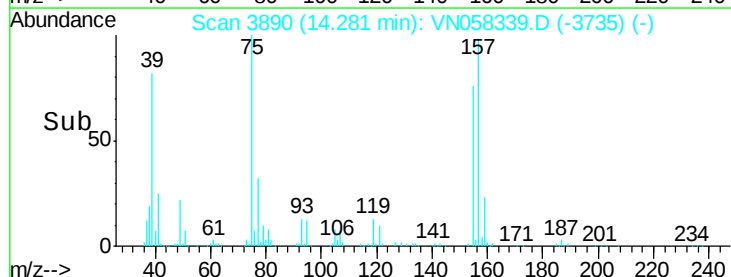
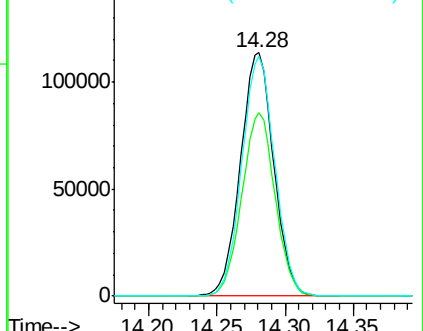
157 97.2 75.4 113.2

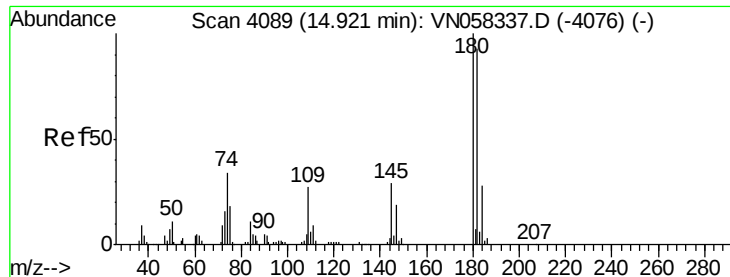


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





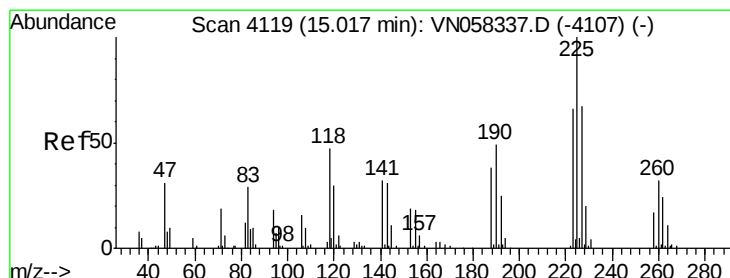
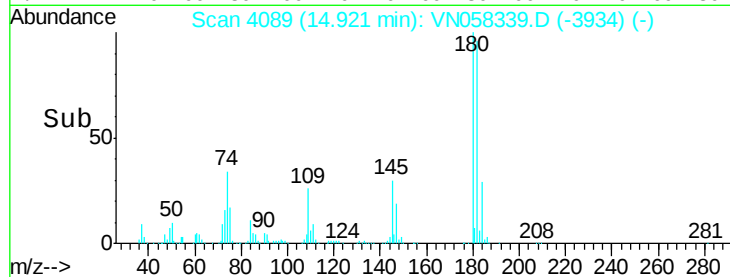
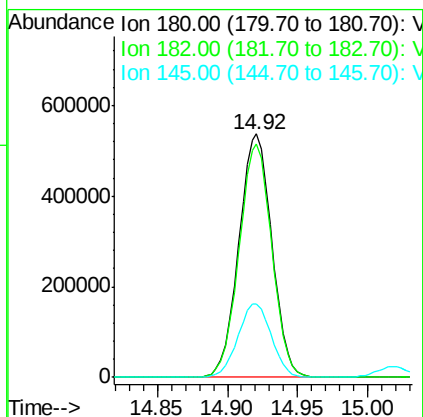
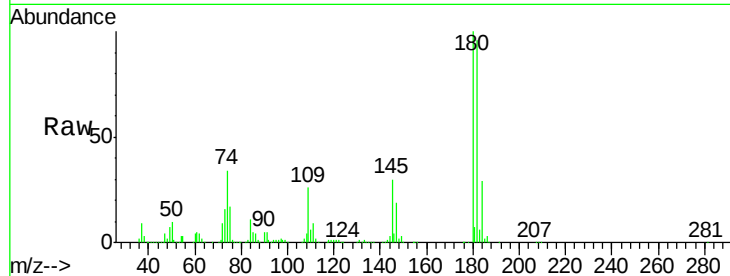
#89
 1,2,4-Trichlorobenzene
 Concen: 109.095 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	75.2	112.8	
145	30.7	25.1	37.7	

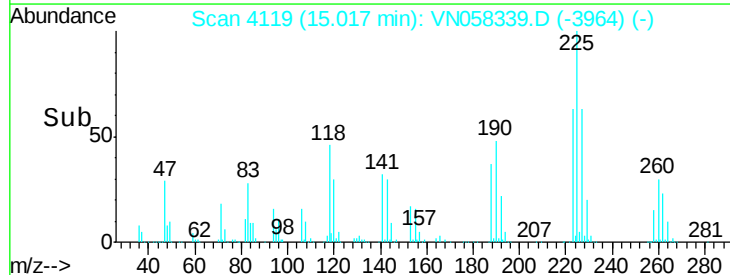
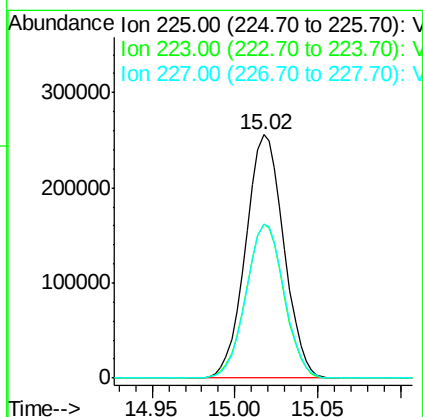
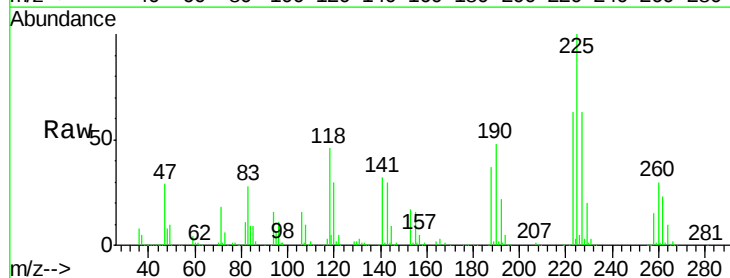
Manual Integrations
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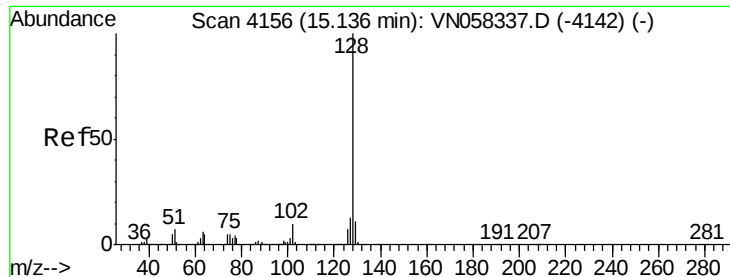
MMDadoda
 9/25/2019 8:23:49 AM



#90
 Hexachlorobutadiene
 Concen: 109.697 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	0.0	132.6	
227	63.3	0.0	129.2	





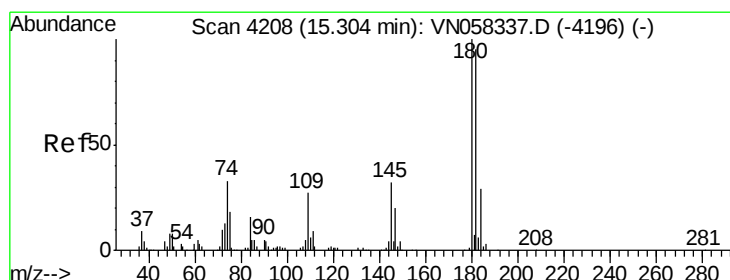
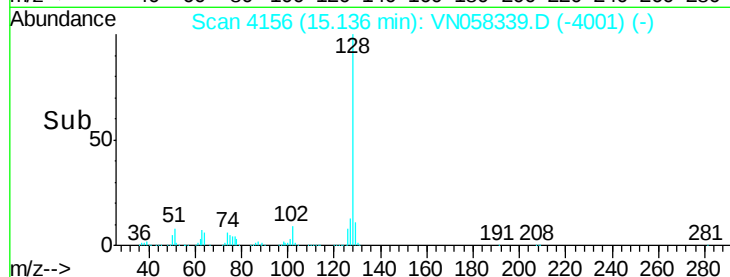
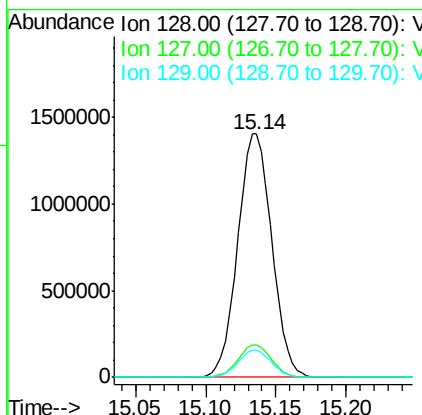
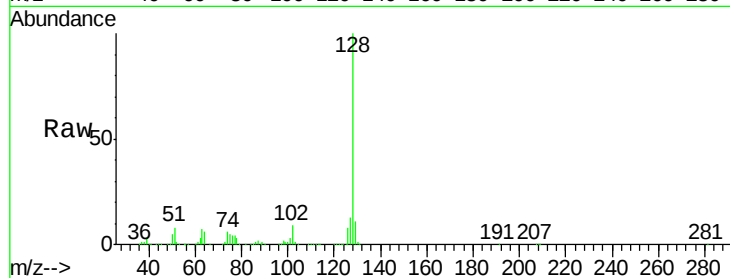
#91
Naphthalene
Concen: 108.070 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/25/2019 8:23:49 AM



#92
1,2,3-Trichlorobenzene
Concen: 107.416 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	189.4
145	32.1	0.0	64.0

