

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057815.D
 Acq On : 9 Sep 2019 20:57
 Operator : JC/SP
 Sample : VN0910WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:17 AM

Quant Time: Sep 10 07:42:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	308066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	512117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269037	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	319504	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.58	113	228626	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.09	98	932435	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	320877	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	87435	20.523	ug/l	99
3) Chloromethane	2.03	50	85980	19.801	ug/l	100
4) Vinyl Chloride	2.16	62	92756	20.183	ug/l	98
5) Bromomethane	2.54	94	53670	20.349	ug/l	96
6) Chloroethane	2.68	64	58591	20.007	ug/l	99
7) Trichlorofluoromethane	2.99	101	103566	17.907	ug/l	99
8) Diethyl Ether	3.39	74	46860	19.426	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	73620	20.179	ug/l	98
10) Methyl Iodide	3.93	142	79352	19.545	ug/l	99
11) Tert butyl alcohol	4.77	59	69609	92.174	ug/l	100
12) 1,1-Dichloroethene	3.72	96	62120	18.937	ug/l	99
13) Acrolein	3.59	56	59920	93.522	ug/l	97
14) Allyl chloride	4.30	41	115306	17.961	ug/l	100
15) Acrylonitrile	4.96	53	205164	98.840	ug/l	98
16) Acetone	3.80	43	168527	82.391	ug/l	98
17) Carbon Disulfide	4.03	76	95472	18.799	ug/l	99
18) Methyl Acetate	4.30	43	113696	20.847	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	283615	20.775	ug/l	96
20) Methylene Chloride	4.53	84	83572	20.741	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	67474	19.028	ug/l	93
22) Diisopropyl ether	5.93	45	301779	20.045	ug/l	100
23) Vinyl Acetate	5.87	43	1092845	102.429	ug/l	99
24) 1,1-Dichloroethane	5.83	63	165156	20.073	ug/l	99
25) 2-Butanone	6.82	43	280330	94.690	ug/l	98
26) 2,2-Dichloropropane	6.81	77	112657	17.302	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	92748	19.517	ug/l	99
28) Bromochloromethane	7.18	49	83136	20.225	ug/l	100
29) Tetrahydrofuran	7.19	42	179619	98.460	ug/l	99
30) Chloroform	7.36	83	170684	19.840	ug/l	96
31) Cyclohexane	7.64	56	118776	19.835	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	132874	19.474	ug/l	100
36) 1,1-Dichloropropene	7.78	75	109677	18.467	ug/l	99
37) Ethyl Acetate	6.91	43	113650	18.521	ug/l	99
38) Carbon Tetrachloride	7.76	117	101615	18.740	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113787	18.225	ug/l	95
40) Benzene	8.03	78	346830	19.397	ug/l	98
41) Methacrylonitrile	7.15	41	56175	20.167	ug/l	97
42) 1,2-Dichloroethane	8.11	62	138317	19.342	ug/l	100
43) Isopropyl Acetate	8.15	43	199864	19.368	ug/l #	92
44) Trichloroethene	8.83	130	81510	18.586	ug/l	98
45) 1,2-Dichloropropane	9.11	63	103200	19.835	ug/l	97
46) Dibromomethane	9.20	93	62042	19.733	ug/l	98
47) Bromodichloromethane	9.40	83	120811	19.242	ug/l	100
48) Methyl methacrylate	9.19	41	98120	18.744	ug/l	97
49) 1,4-Dioxane	9.19	88	30058	339.555	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	636031	104.154	ug/l	100
52) Toluene	10.15	92	217546	19.317	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	119971	18.145	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	136578	18.710	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93761	19.654	ug/l	99
56) Ethyl methacrylate	10.43	69	138260	19.246	ug/l	99
57) 1,3-Dichloropropane	10.71	76	158133	19.235	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	337624	99.784	ug/l	99
59) 2-Hexanone	10.75	43	445244	97.275	ug/l	100
60) Dibromochloromethane	10.90	129	82115	18.537	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87958	19.503	ug/l	99
64) Tetrachloroethene	10.63	164	67320	19.130	ug/l	97
65) Chlorobenzene	11.43	112	242529	19.444	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83121	19.205	ug/l	100
67) Ethyl Benzene	11.51	91	438063	20.039	ug/l	99
68) m/p-Xylenes	11.62	106	314753	39.308	ug/l	99
69) o-Xylene	11.95	106	156636	19.677	ug/l	99
70) Styrene	11.97	104	272535	19.893	ug/l	100
71) Bromoform	12.13	173	49225	18.242	ug/l #	99
73) Isopropylbenzene	12.25	105	437089	20.937	ug/l	100
74) N-amyl acetate	12.07	43	180012	19.813	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	140692	20.016	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	115186m	18.926	ug/l	
77) Bromobenzene	12.53	156	98938	19.008	ug/l	98
78) n-propylbenzene	12.59	91	499427	20.833	ug/l	100
79) 2-Chlorotoluene	12.68	91	299078	19.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	368007	20.863	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29392	16.995	ug/l	88
82) 4-Chlorotoluene	12.78	91	310739	19.971	ug/l	100
83) tert-Butylbenzene	13.00	119	317901	20.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	372874	20.799	ug/l	99
85) sec-Butylbenzene	13.17	105	430514	20.715	ug/l	99
86) p-Isopropyltoluene	13.29	119	380570	20.783	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	182323	19.084	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	186498	19.232	ug/l	99
89) n-Butylbenzene	13.62	91	347177	20.077	ug/l	100
90) Hexachloroethane	13.88	117	51413	18.879	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	188094	19.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22195	19.120	ug/l	97

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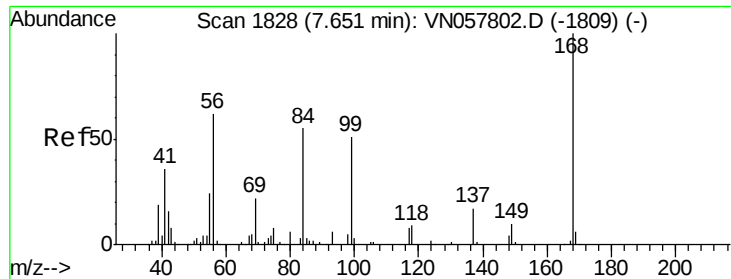
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	109793	17.599	ug/l	99
94) Hexachlorobutadiene	15.01	225	48594	18.375	ug/l	98
95) Naphthalene	15.13	128	323169	19.563	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105952	20.064	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion:168 Resp: 308066

Ion Ratio Lower Upper

168 100

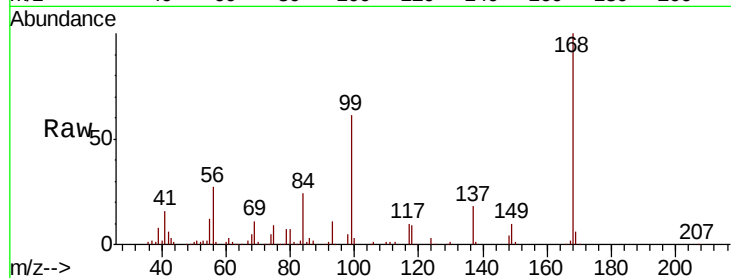
99 61.1 48.0 72.0

Manual Integrations

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9/13/2019 5:16:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

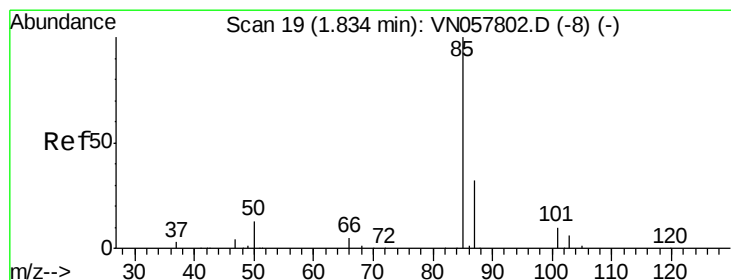
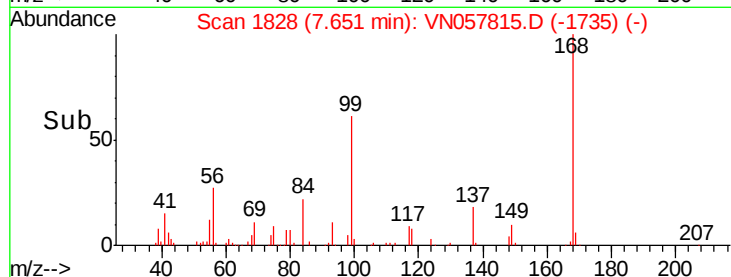
7.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.523 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057815.D

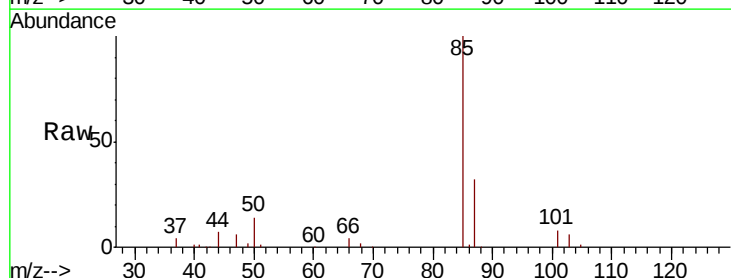
Acq: 9 Sep 2019 20:57

Tgt Ion: 85 Resp: 87435

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

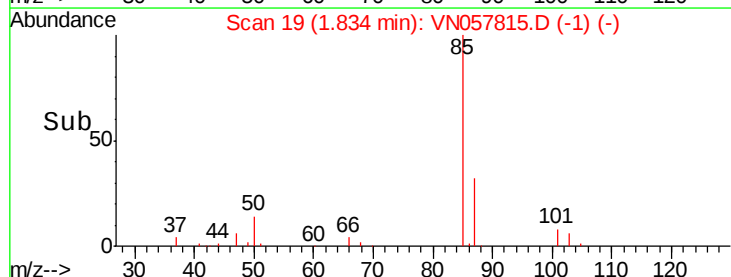
1.83

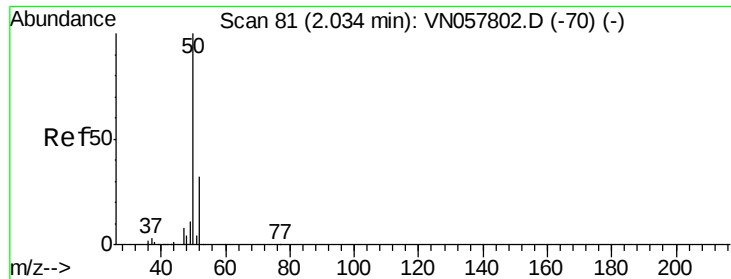
40000

20000

0

Time-->





#3

Chloromethane

Concen: 19.801 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 50 Resp: 85980

Ion Ratio Lower Upper

50 100

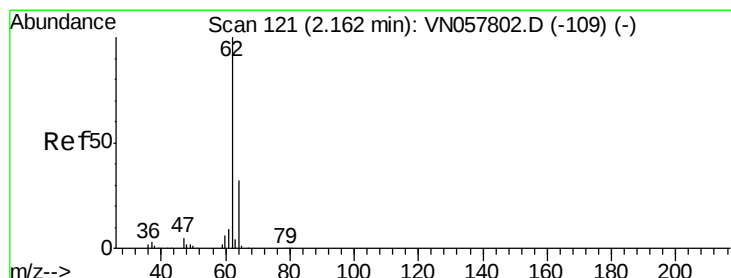
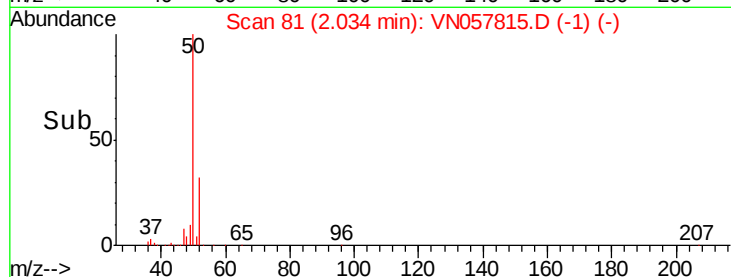
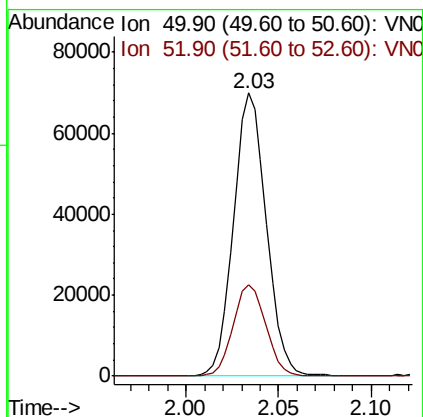
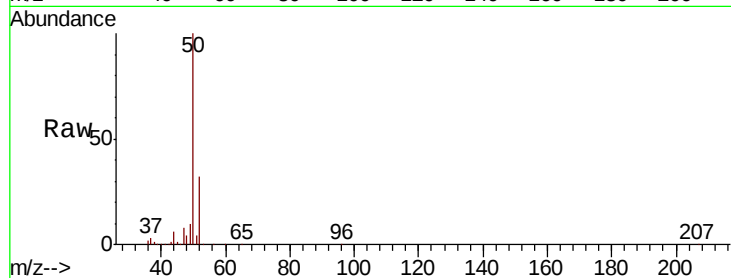
52 32.1 25.5 38.3

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 20.183 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057815.D

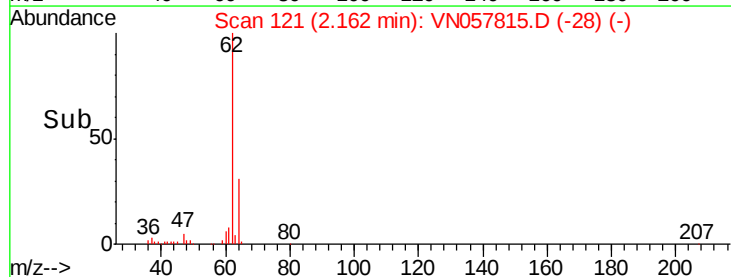
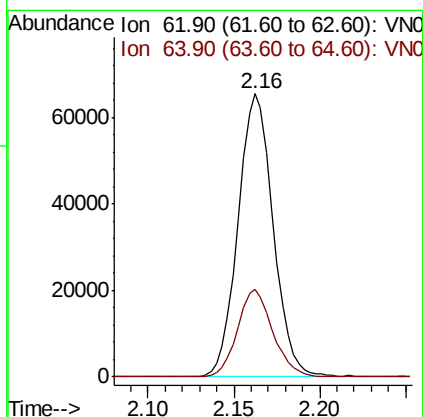
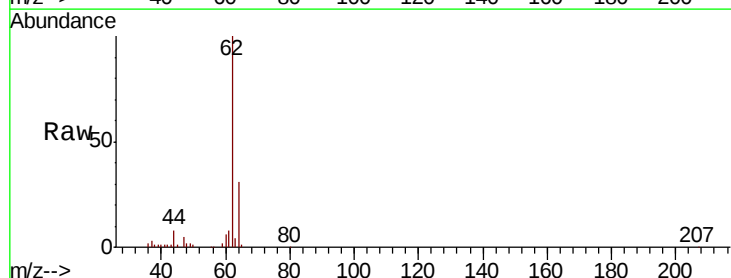
Acq: 9 Sep 2019 20:57

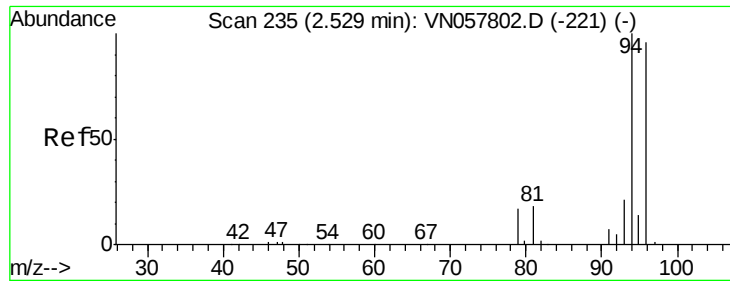
Tgt Ion: 62 Resp: 92756

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 20.349 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 94 Resp: 53670

Ion Ratio Lower Upper

94 100

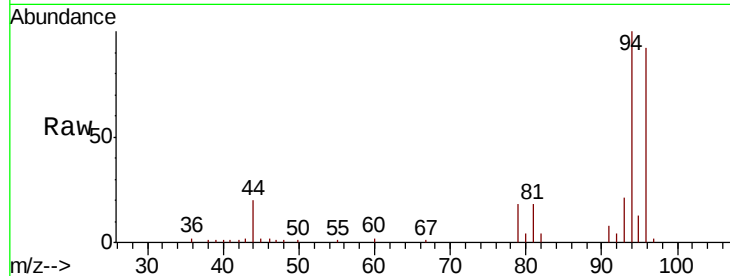
96 92.4 77.0 115.4

Manual Integrations

APPROVED

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9/13/2019 5:16:17 AM

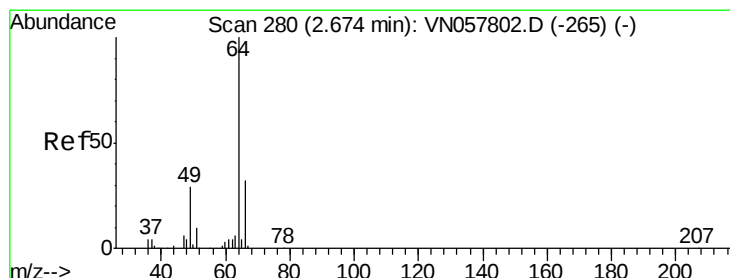
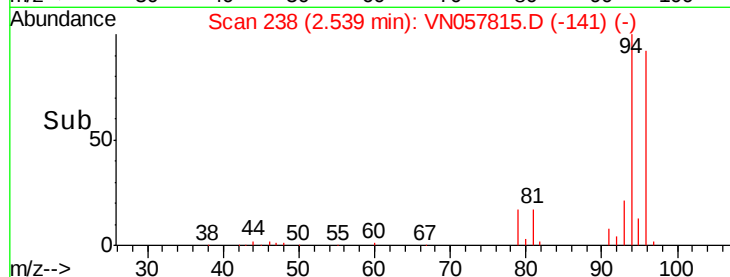


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

Time-->



#6

Chloroethane

Concen: 20.007 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057815.D

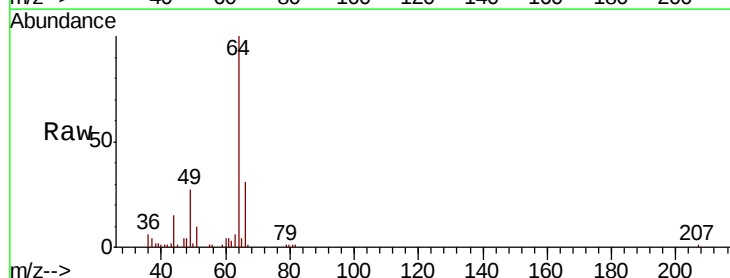
Acq: 9 Sep 2019 20:57

Tgt Ion: 64 Resp: 58591

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3

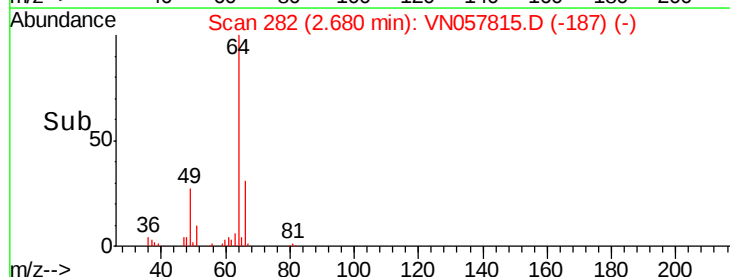


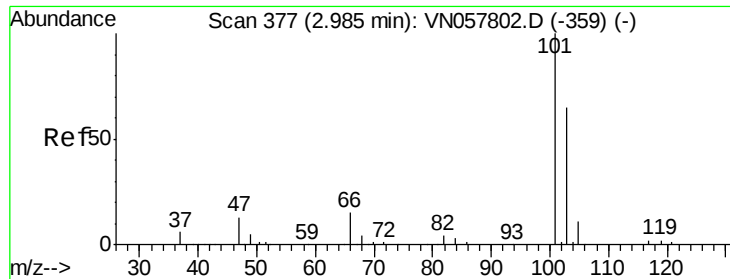
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

Time-->





#7

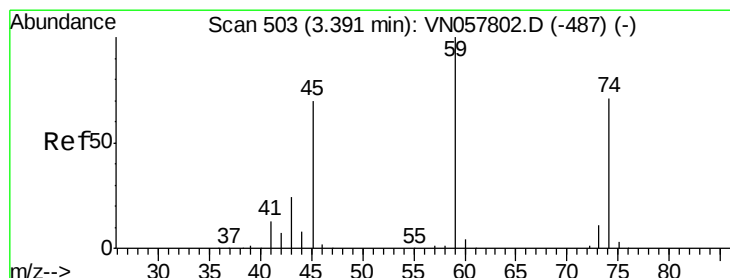
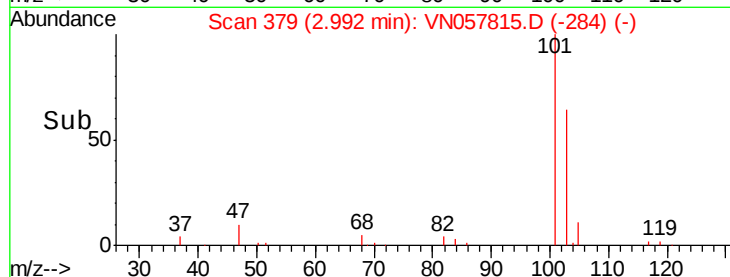
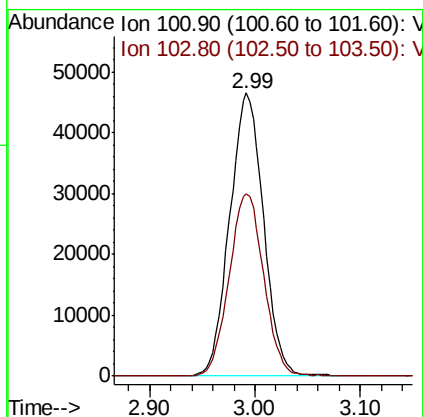
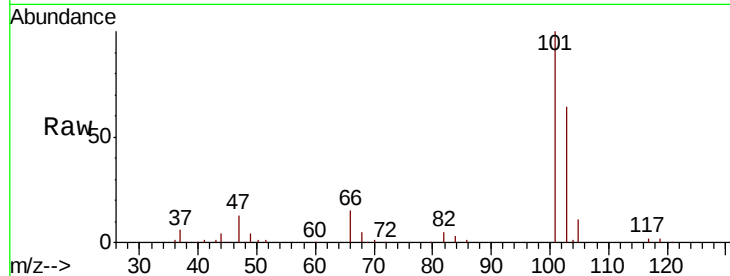
Trichlorofluoromethane
 Concen: 17.907 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.01 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.9	77.9

Manual Integrations
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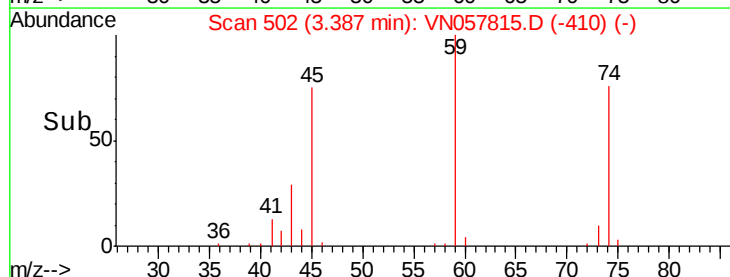
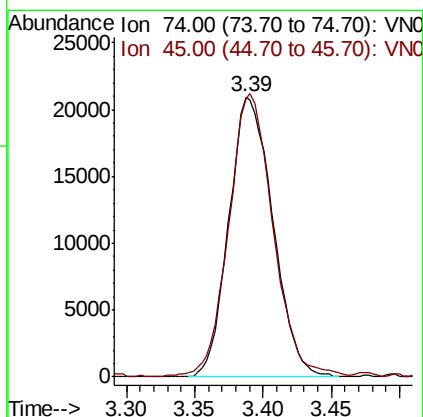
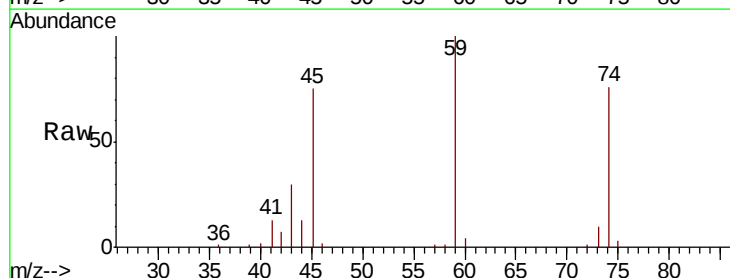
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 9/13/2019 5:16:17 AM

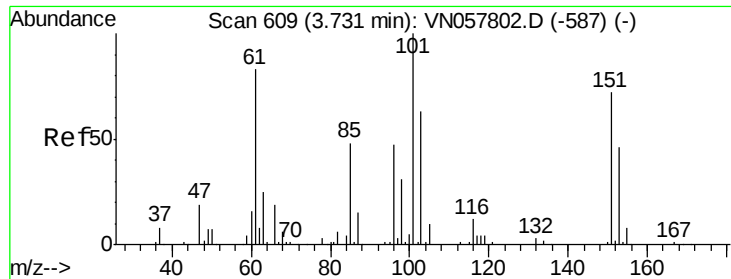


#8

Diethyl Ether
 Concen: 19.426 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	50.3	151.0





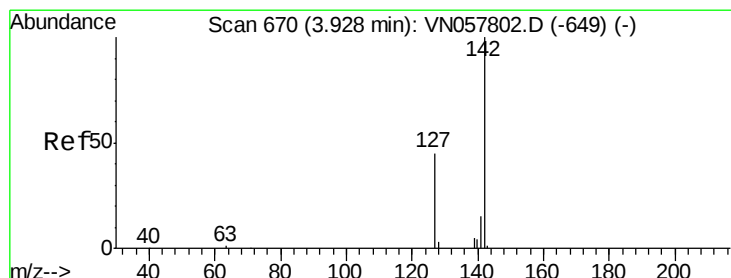
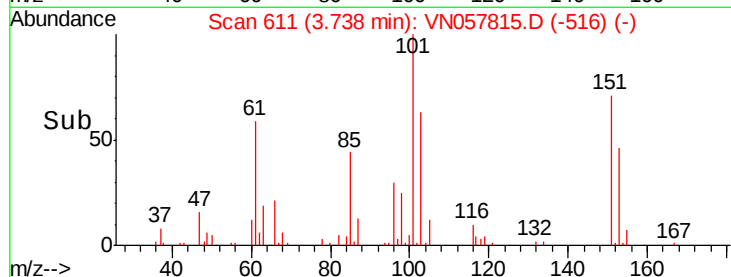
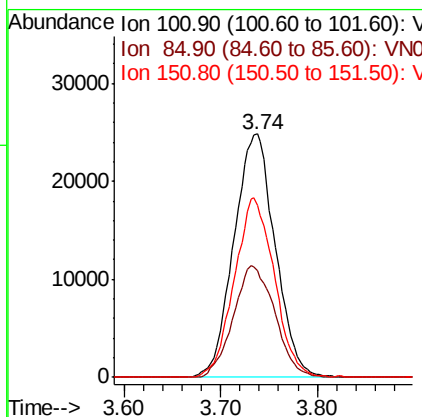
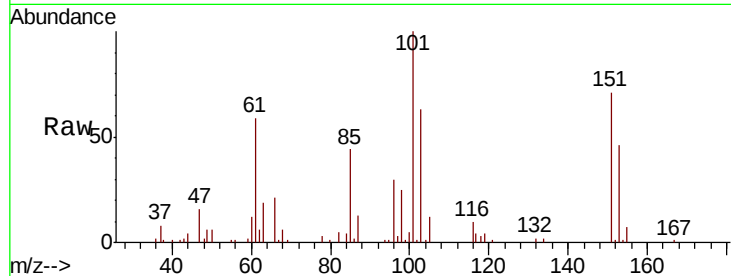
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.179 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.1	38.1	57.1
151	71.3	58.4	87.6

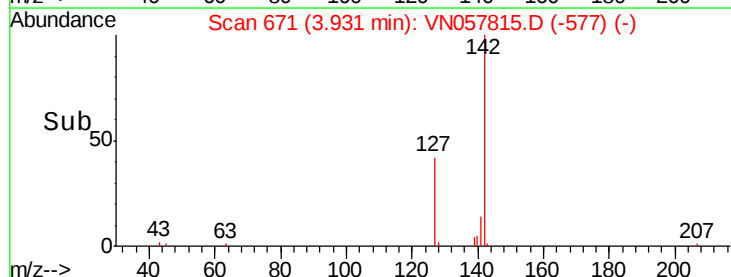
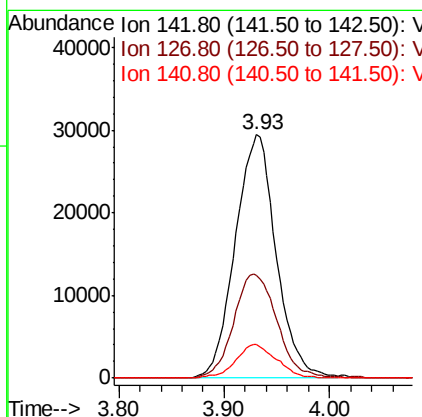
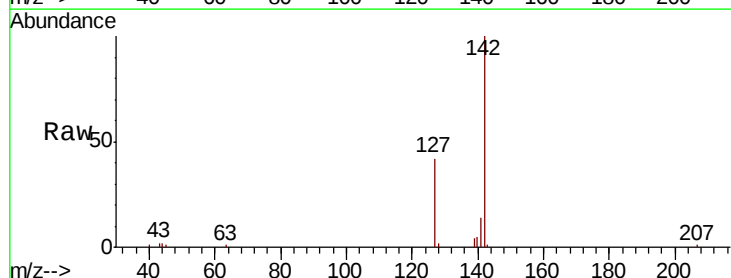
Manual Integrations
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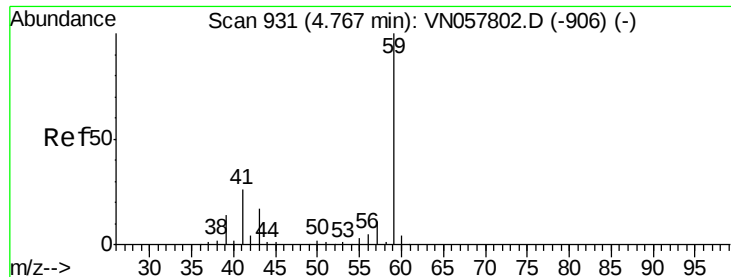
MMDadoda
9/13/2019 5:16:17 AM



#10
Methyl Iodide
Concen: 19.545 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.2	36.7	55.1
141	13.8	11.4	17.0





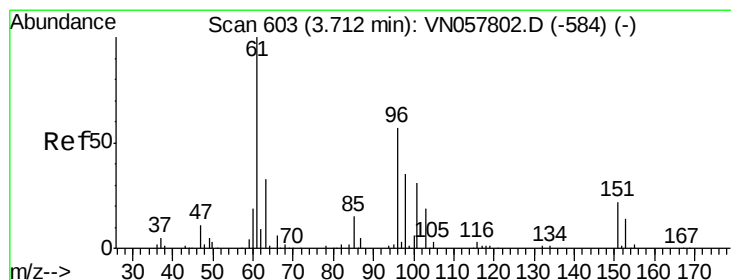
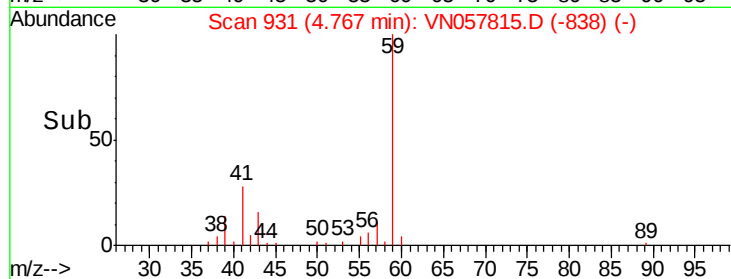
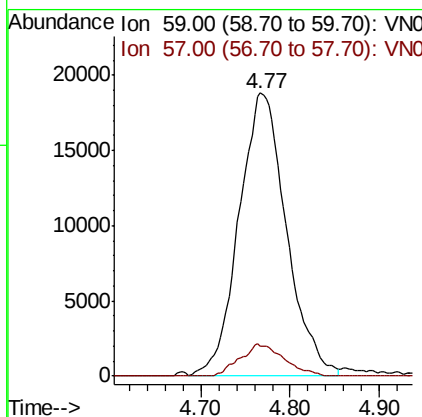
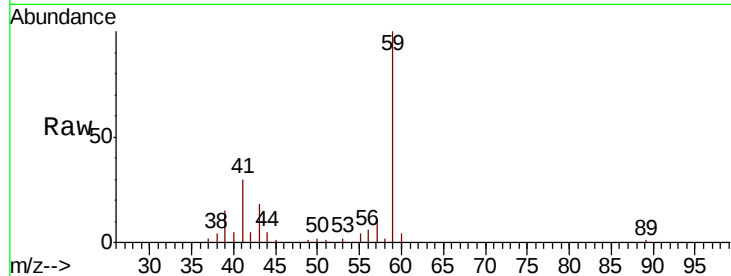
#11
Tert butyl alcohol
Concen: 92.174 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	69609
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

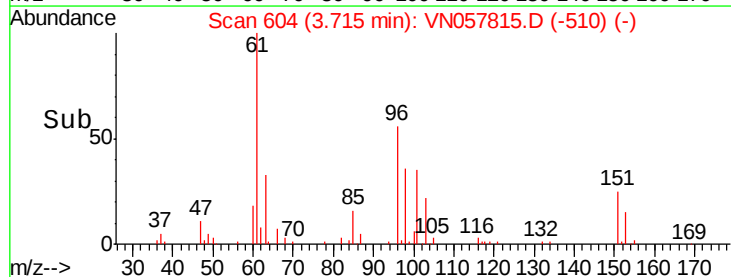
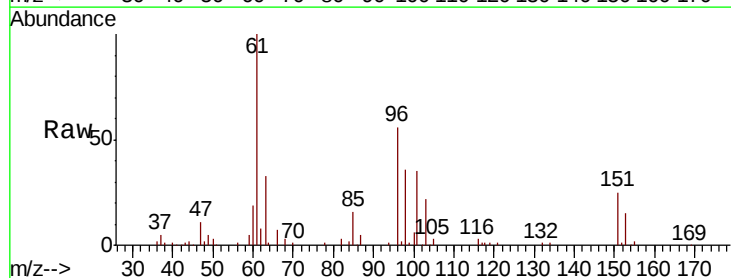
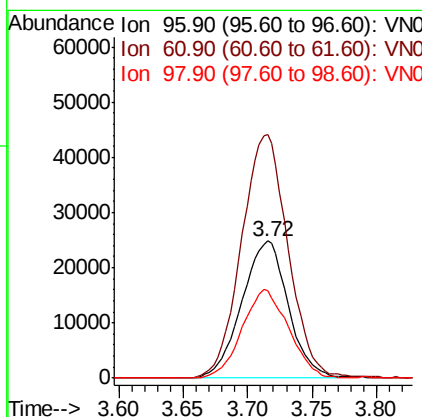
Manual Integrations
APPROVED

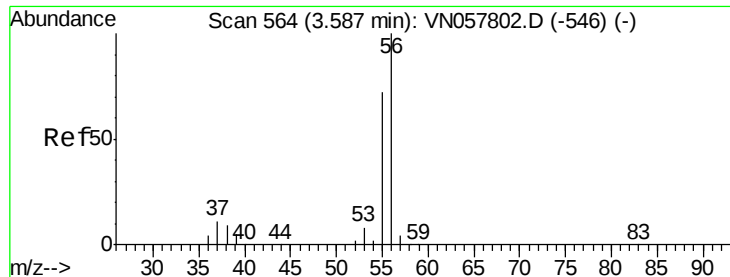
MMDadoda
9/13/2019 5:16:17 AM



#12
1,1-Dichloroethene
Concen: 18.937 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	96	Resp	62120
Ion	Ratio	Lower	Upper
96	100		
61	177.6	141.2	211.8
98	63.5	49.9	74.9





#13

Acrolein

Concen: 93.522 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 56 Resp: 59920

Ion Ratio Lower Upper

56 100

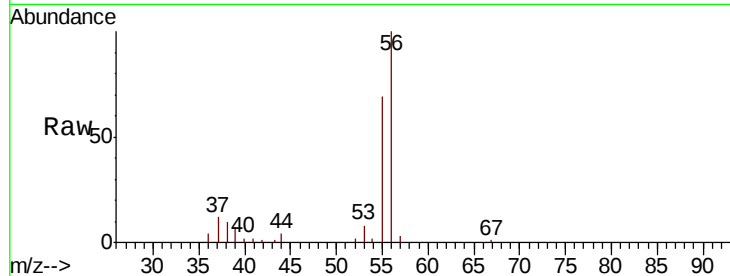
55 73.8 57.3 85.9

Manual Integrations

APPROVED

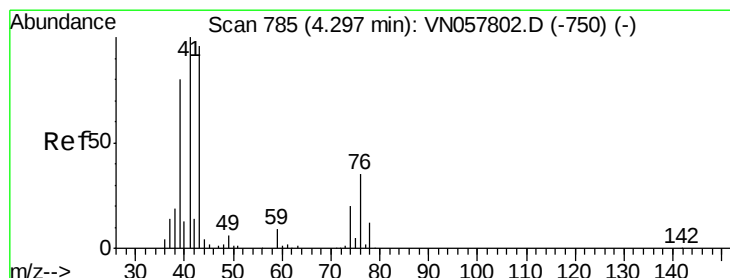
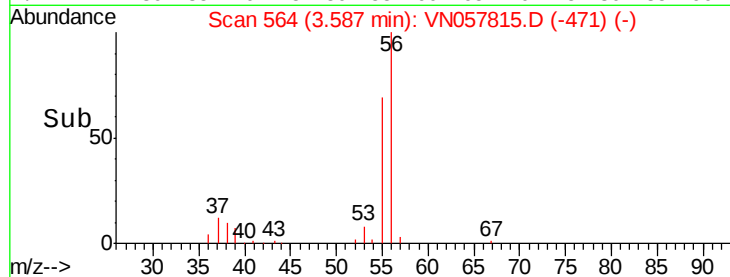
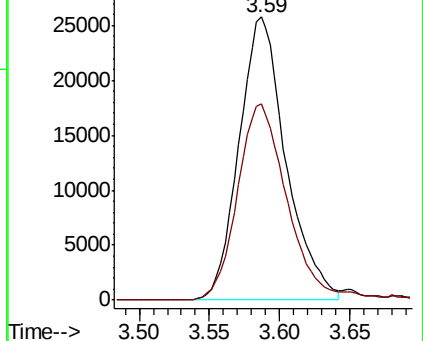
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.961 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

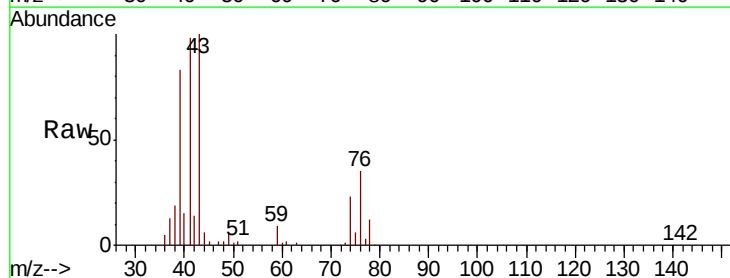
Tgt Ion: 41 Resp: 115306

Ion Ratio Lower Upper

41 100

39 74.2 59.4 89.2

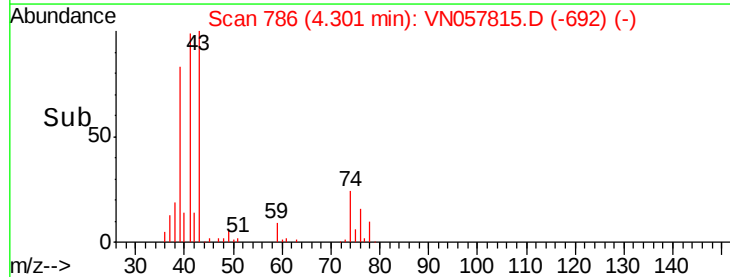
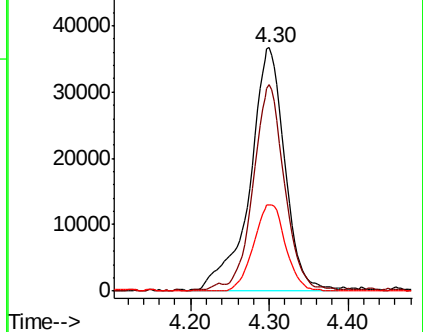
76 32.5 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.840 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

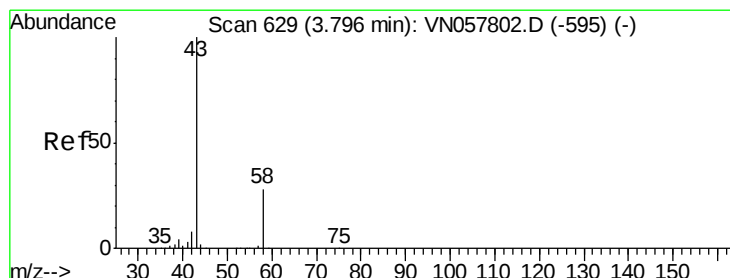
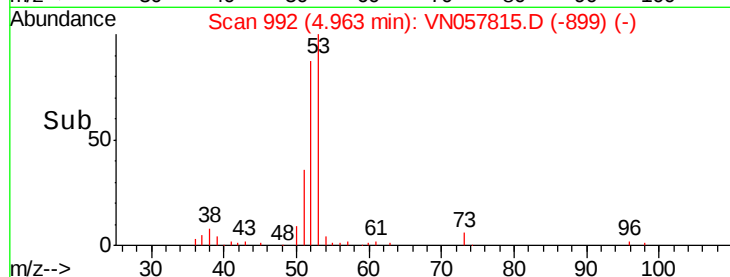
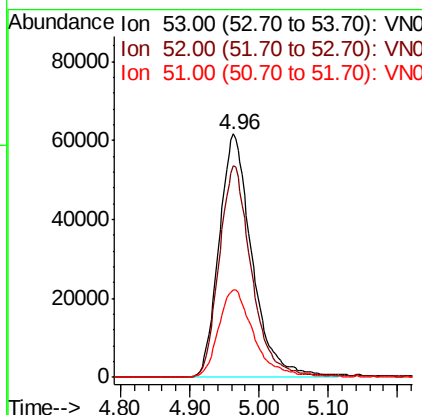
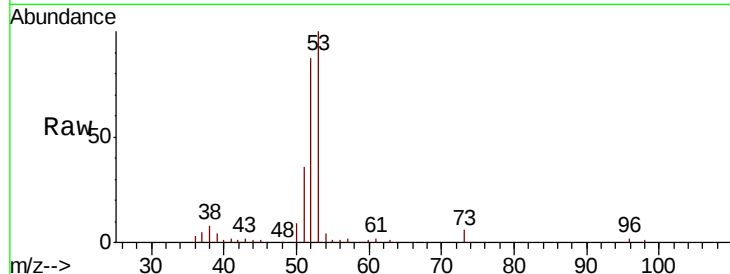
ClientSampleId :

VN0910WBS01

Tot Ion:	53	Resp:	205164
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.6	100.0
51	37.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 82.391 ug/l

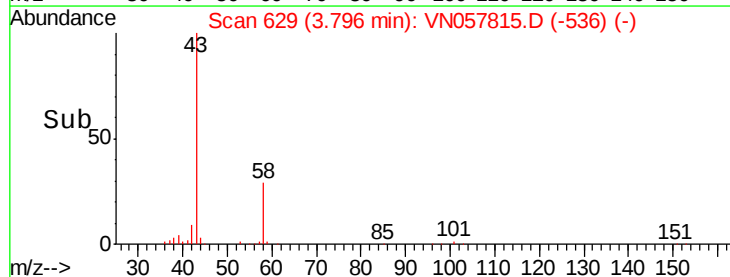
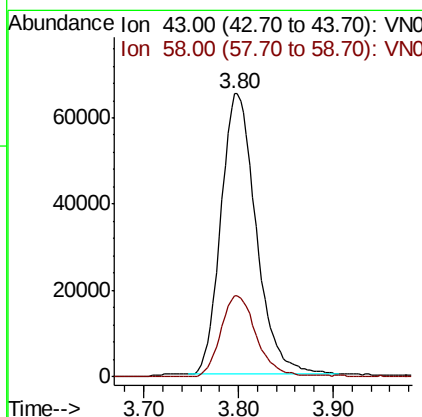
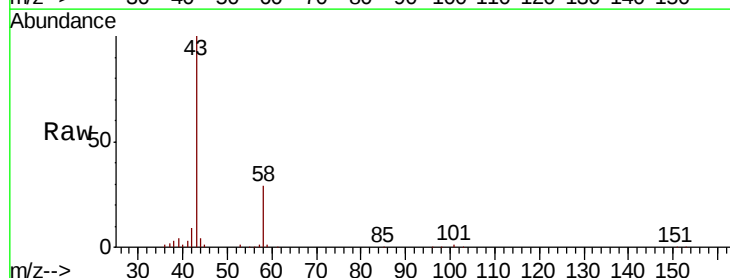
RT: 3.80 min Scan# 629

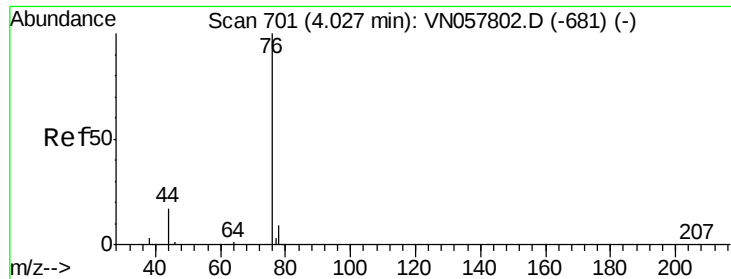
Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Tgt Ion:	43	Resp:	168527
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.2	33.2





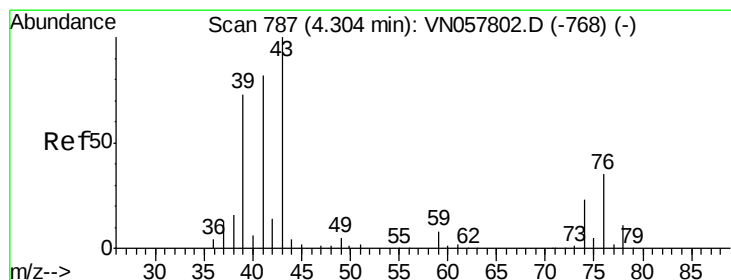
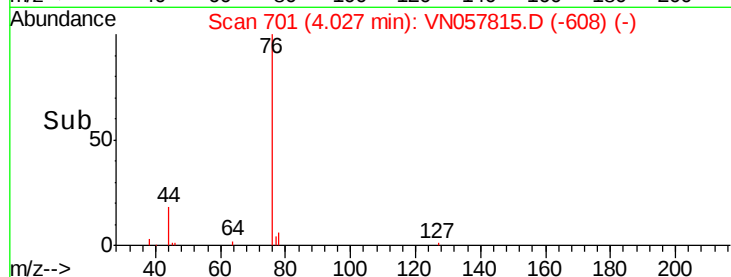
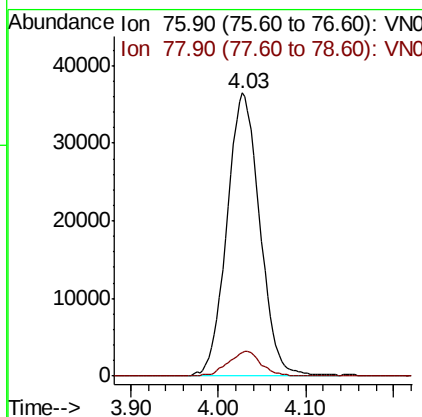
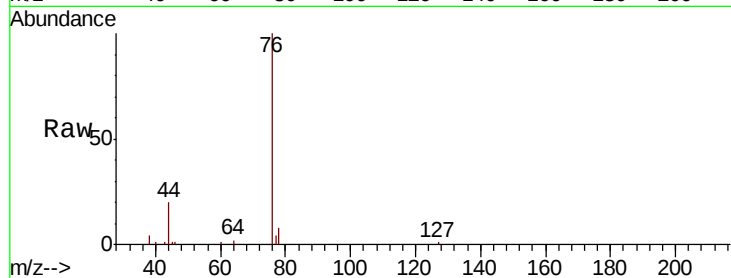
#17
Carbon Disulfide
Concen: 18.799 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 76 Resp: 95472
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7

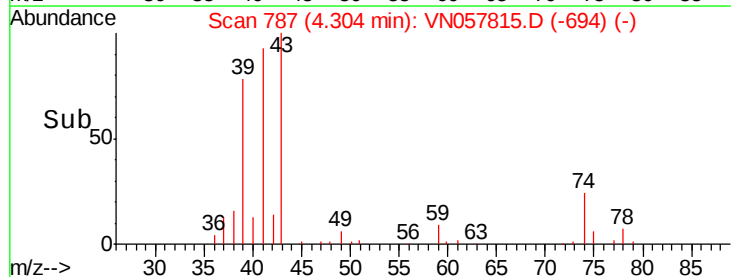
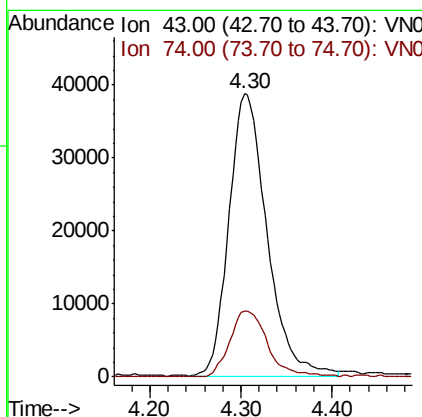
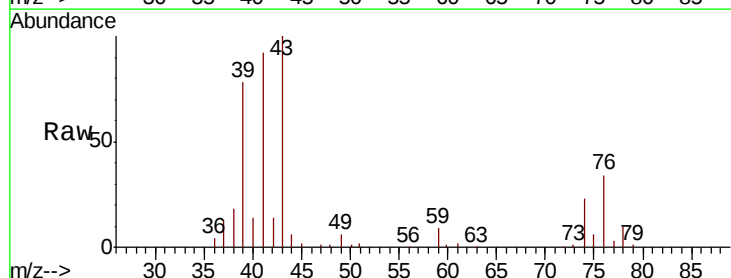
Manual Integrations
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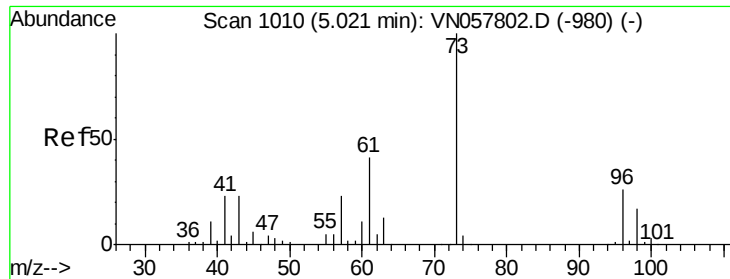
MMDadoda
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#18
Methyl Acetate
Concen: 20.847 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion: 43 Resp: 113696
Ion Ratio Lower Upper
43 100
74 23.0 17.9 26.9





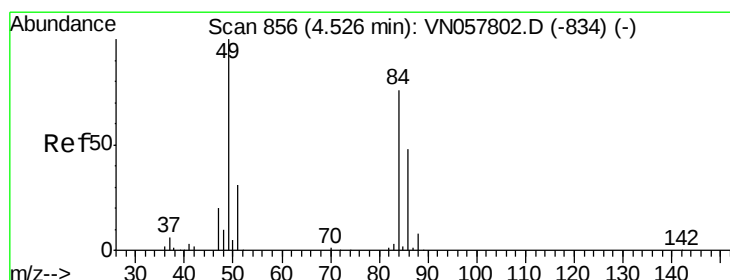
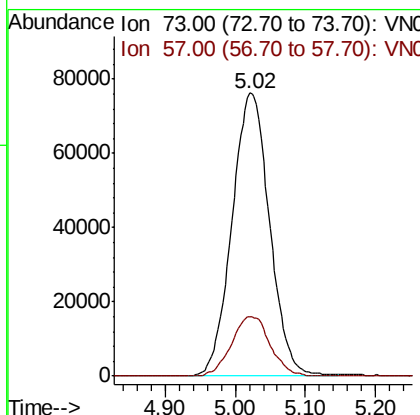
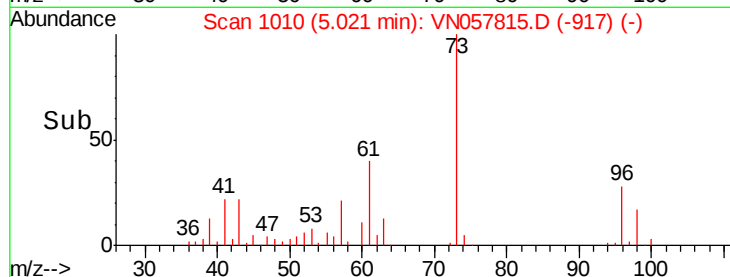
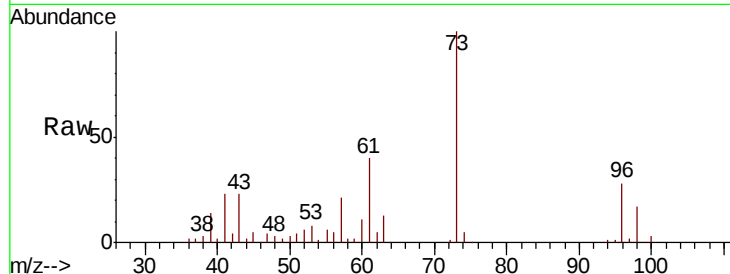
#19
Methvl tert-butvl Ether
Concen: 20.775 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 73 Resp: 283615
Ion Ratio Lower Upper
73 100
57 21.0 18.2 27.2

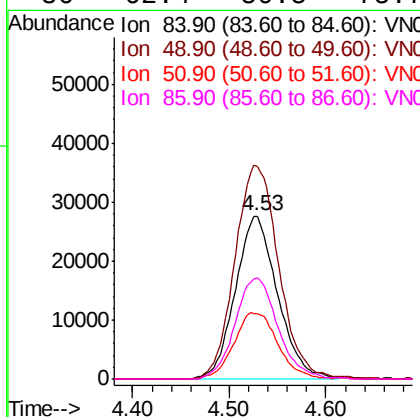
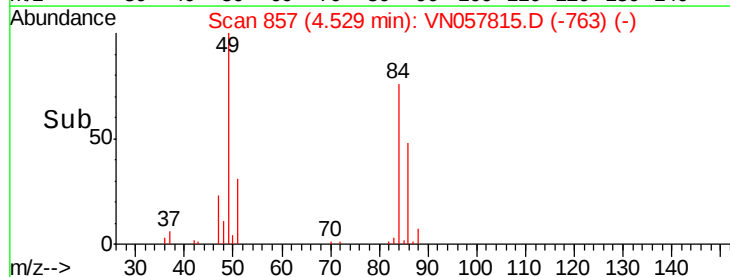
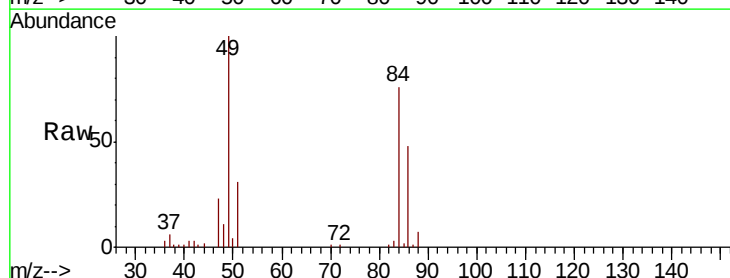
Manual Integrations
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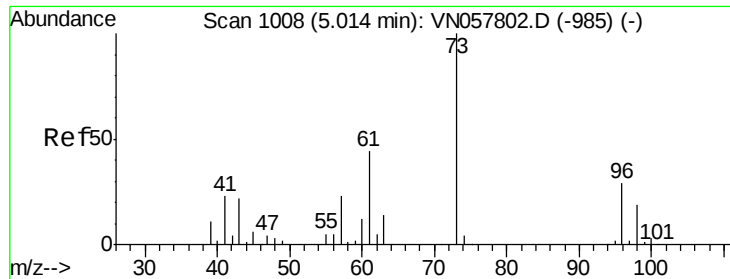
MMDadoda
9/13/2019 5:16:17 AM



#20
Methylene Chloride
Concen: 20.741 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion: 84 Resp: 83572
Ion Ratio Lower Upper
84 100
49 130.8 104.8 157.2
51 39.9 33.0 49.4
86 62.4 50.5 75.7





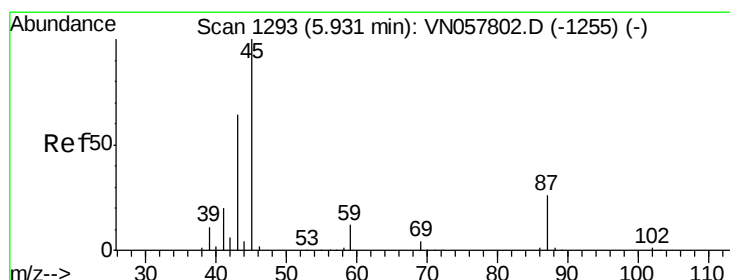
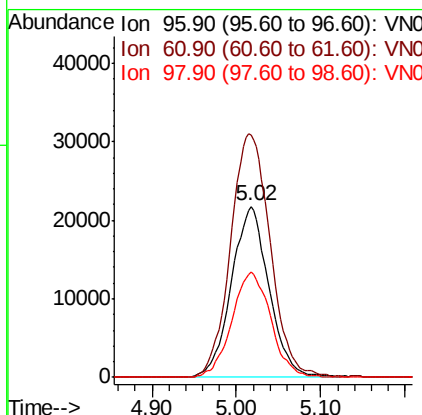
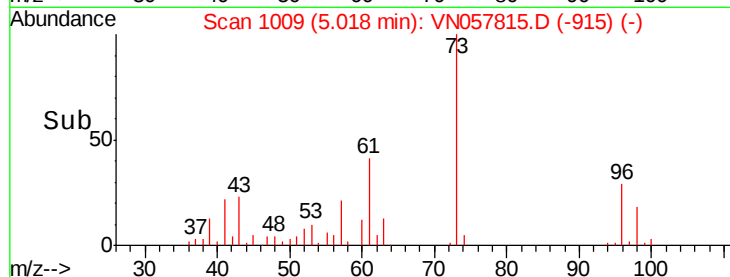
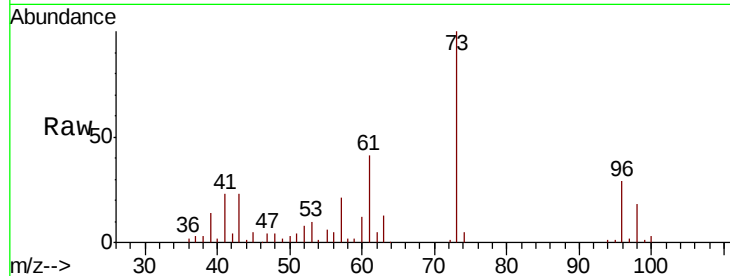
#21
trans-1,2-Dichloroethene
Concen: 19.028 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	121.9	182.9
98	61.6	52.2	78.4

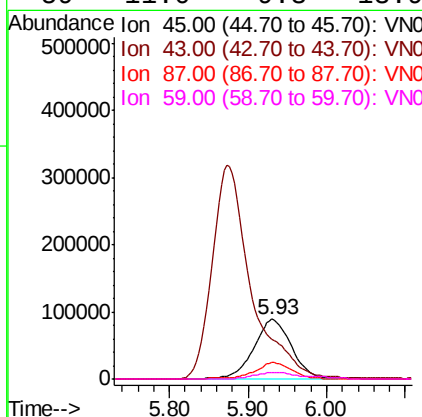
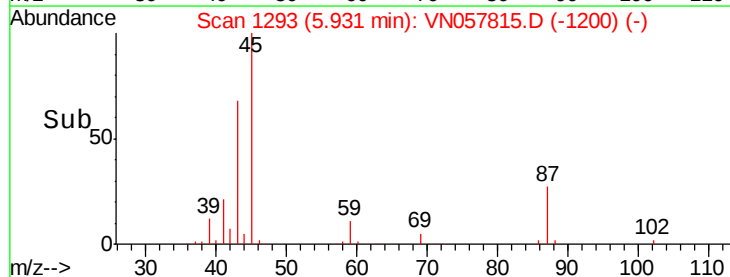
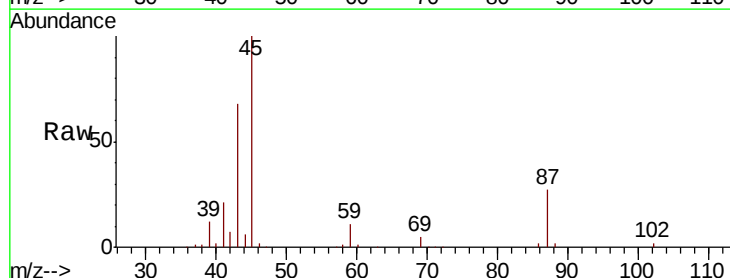
Manual Integrations
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#22
Diisopropyl ether
Concen: 20.045 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	51.4	77.2
87	26.6	21.3	31.9
59	11.0	9.3	13.9





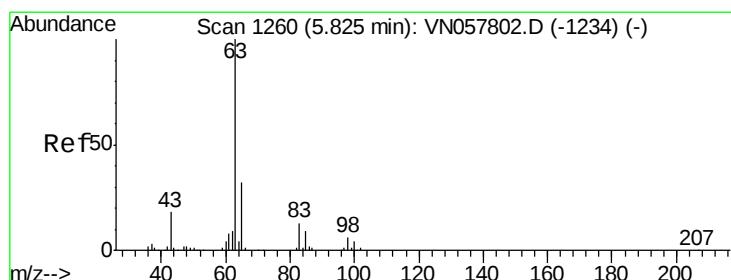
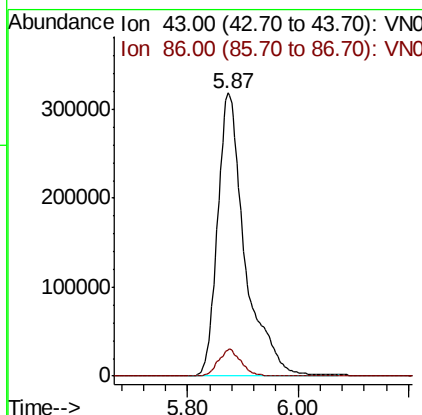
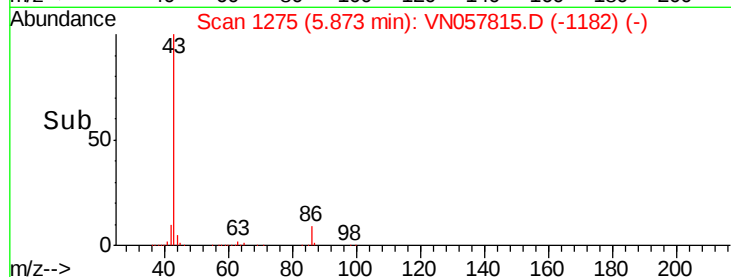
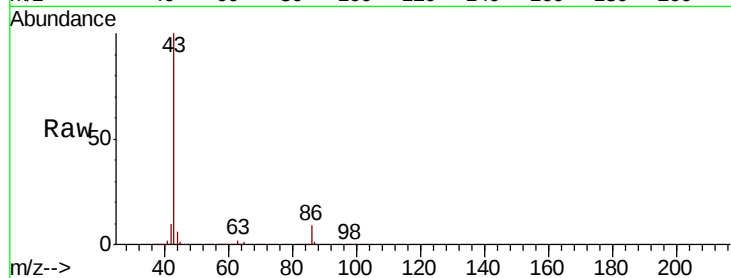
#23
 Vinyl Acetate
 Concen: 102.429 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion: 43 Resp: 1092845
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5

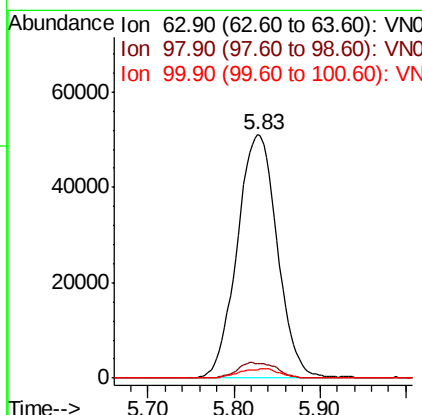
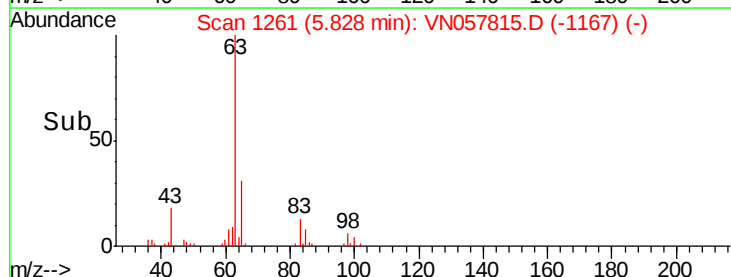
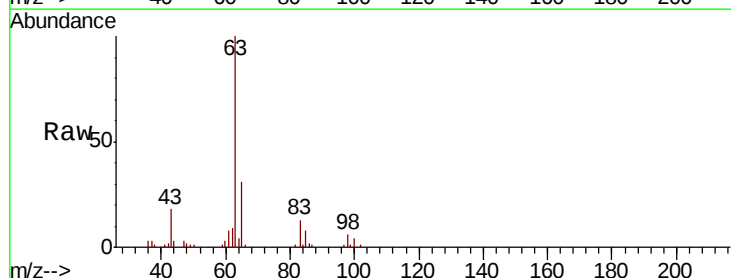
Manual Integrations
 APPROVED

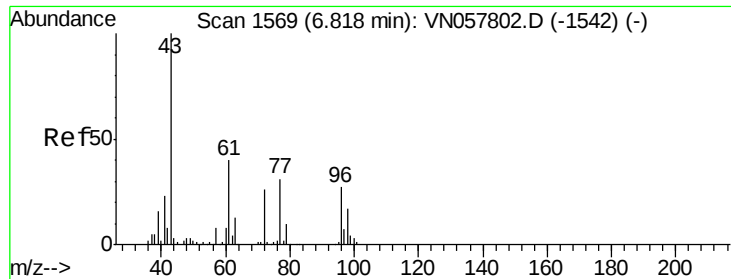
MMDadoda
 9/13/2019 5:16:17 AM



#24
 1,1-Dichloroethane
 Concen: 20.073 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion: 63 Resp: 165156
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.2
 100 3.5 2.0 5.8





#25

2-Butanone

Concen: 94.690 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion: 43 Resp: 280330

Ion Ratio Lower Upper

43 100

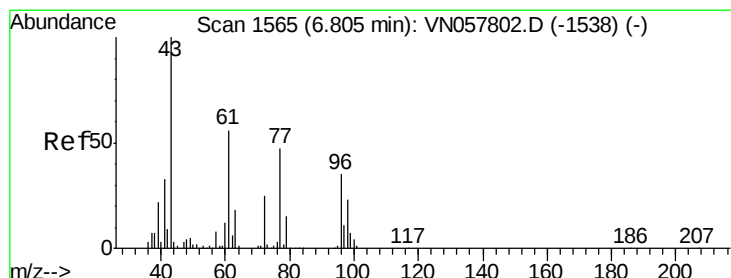
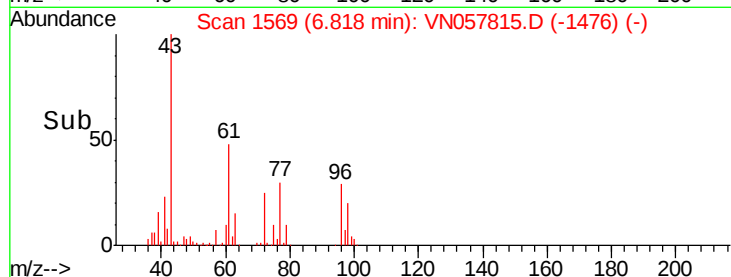
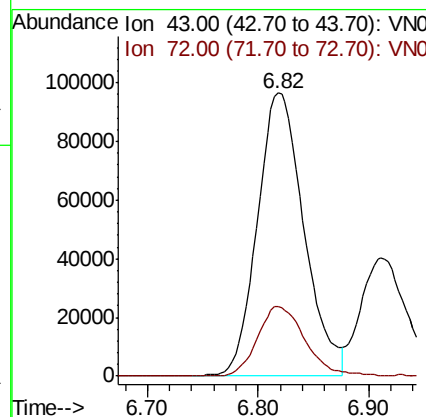
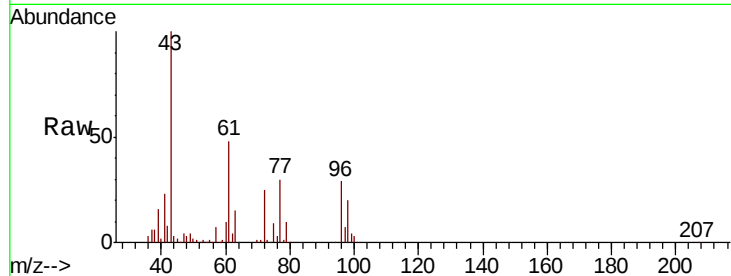
72 24.8 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:17 AM



#26

2,2-Dichloropropane

Concen: 17.302 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057815.D

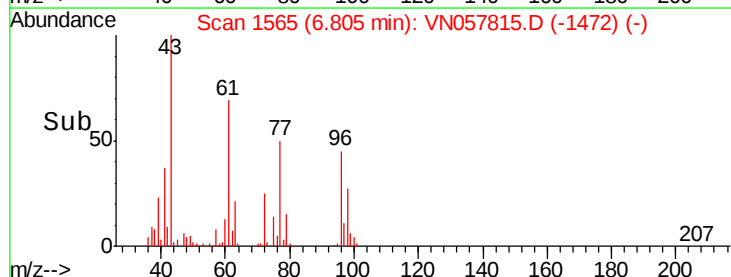
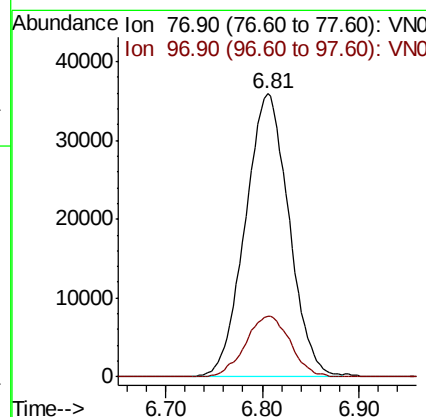
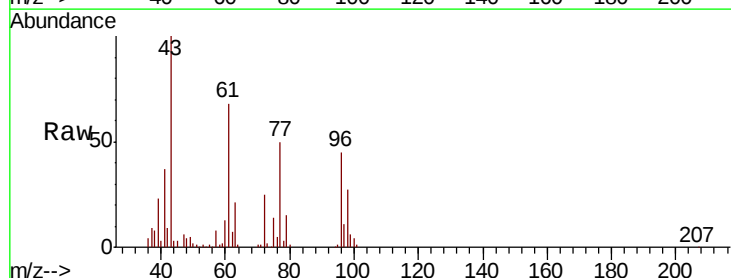
Acq: 9 Sep 2019 20:57

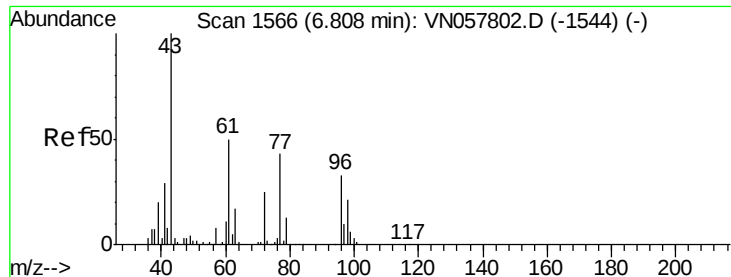
Tgt Ion: 77 Resp: 112657

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.517 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

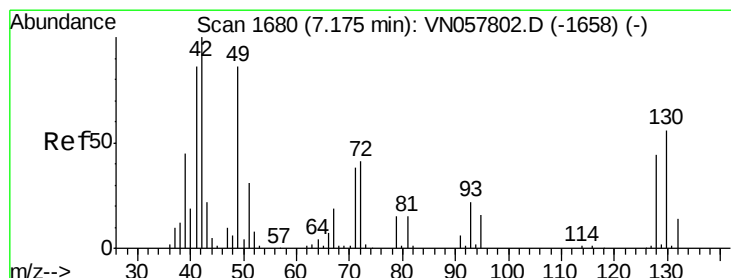
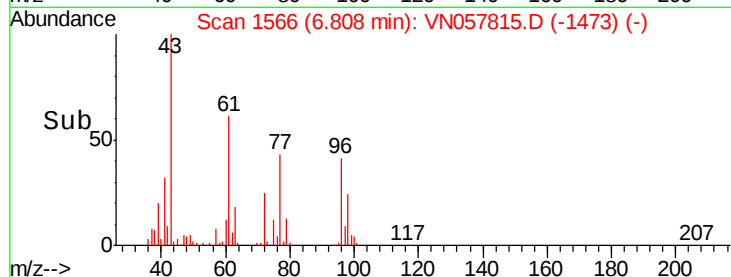
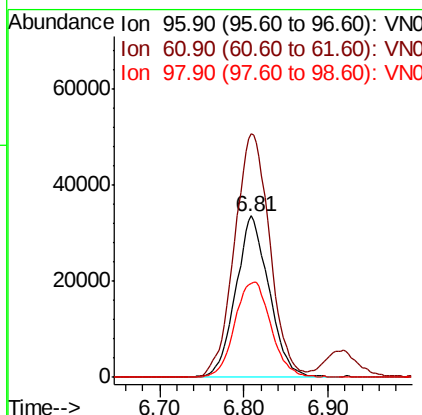
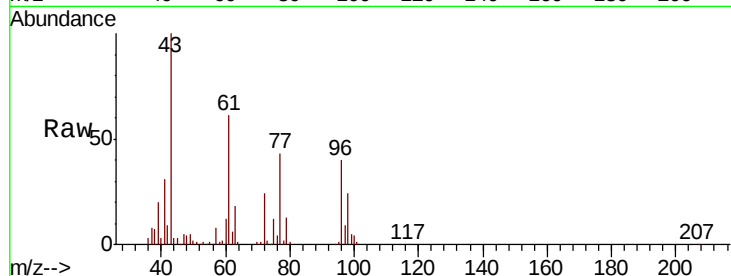
ClientSampleId :

VN0910WBS01

Tot Ion:	96	Resp:	92748
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	314.0
98	63.6	0.0	128.6

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#28

Bromochloromethane

Concen: 20.225 ug/l

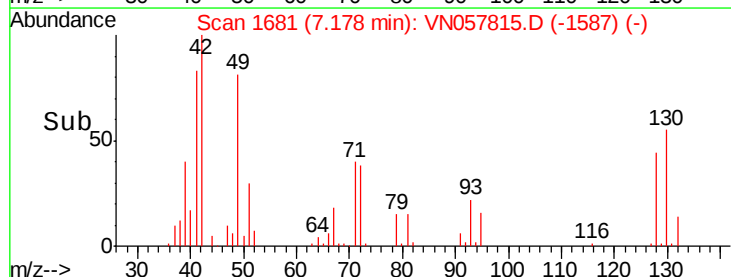
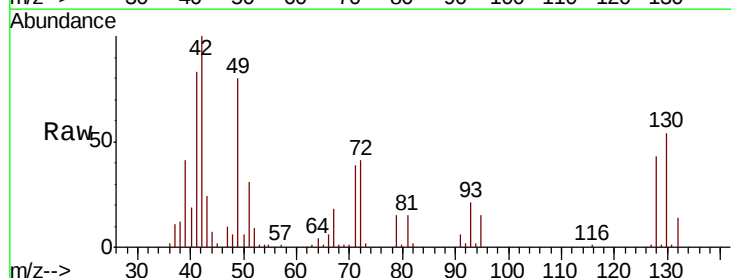
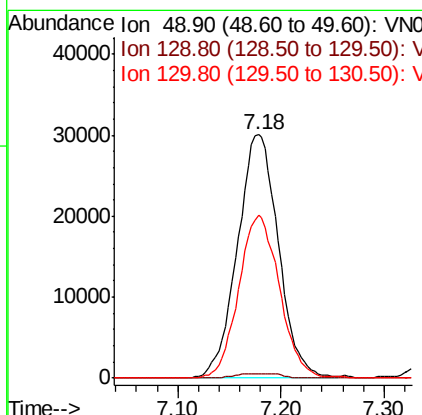
RT: 7.18 min Scan# 1681

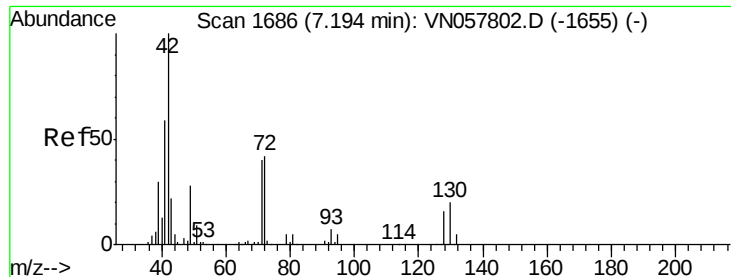
Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Tgt Ion:	49	Resp:	83136
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	66.4	53.0	79.6





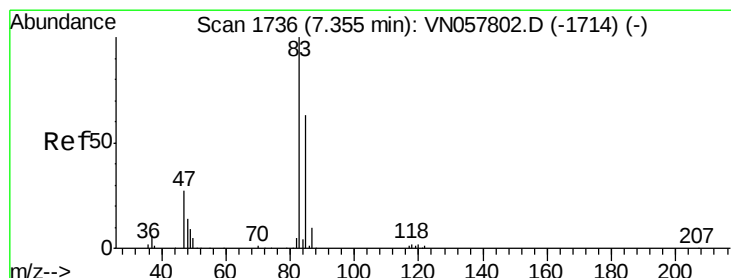
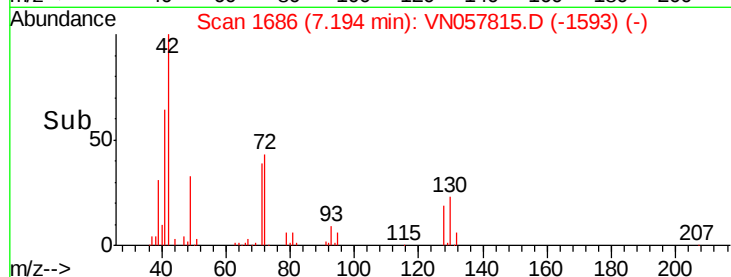
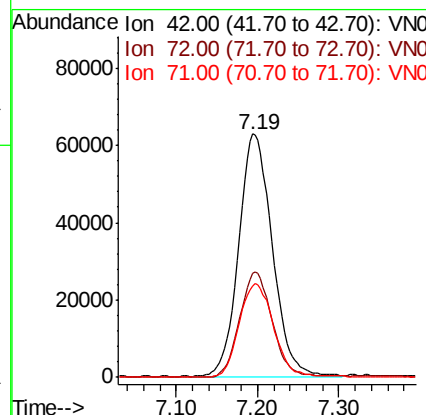
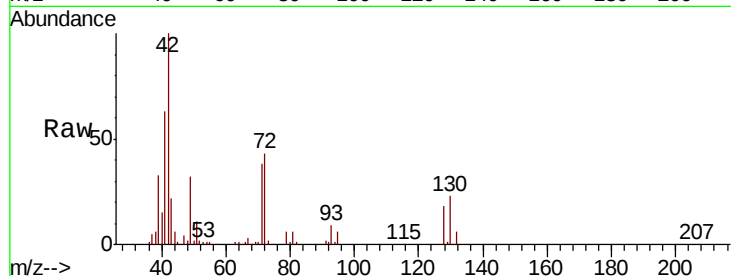
#29
Tetrahydrofuran
Concen: 98.460 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	39.3	31.9	47.9

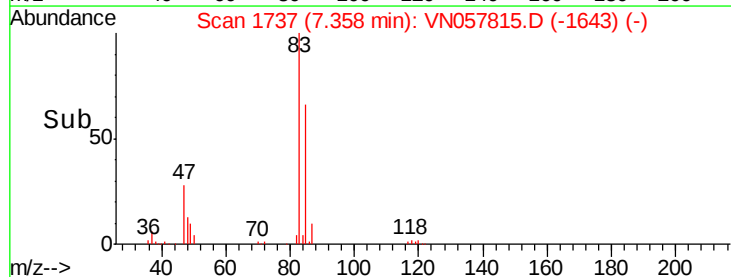
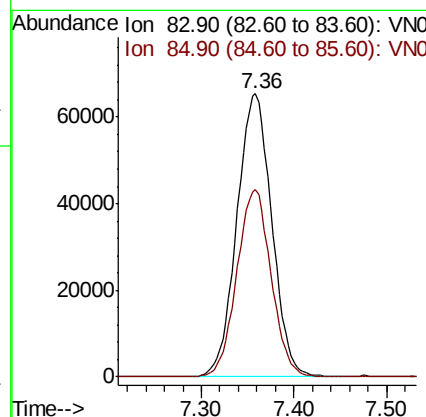
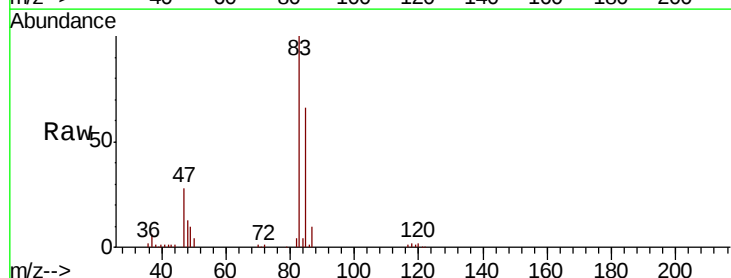
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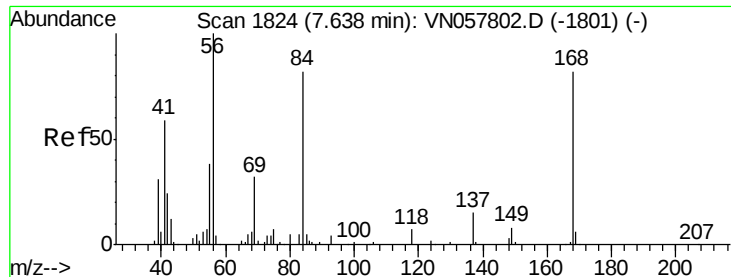
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#30
Chloroform
Concen: 19.840 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.6	75.8





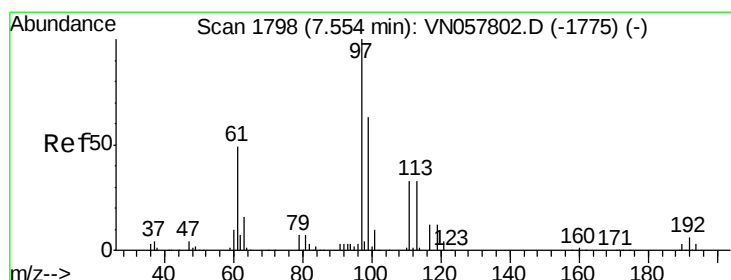
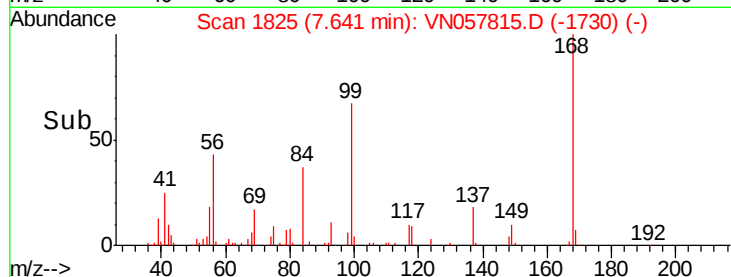
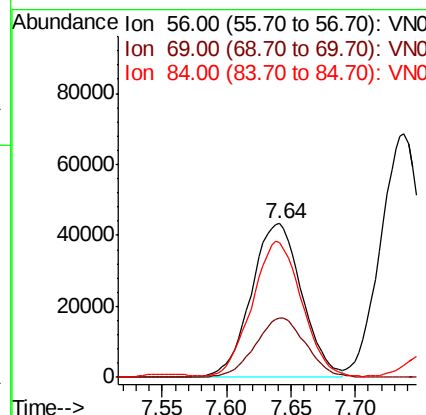
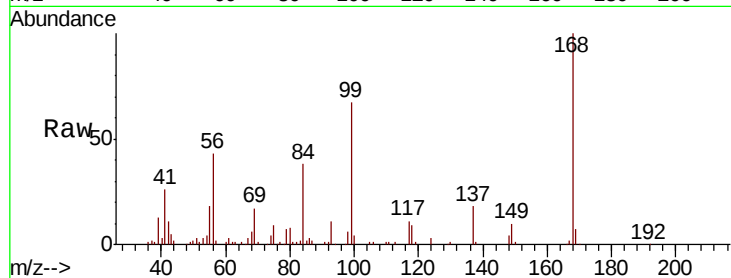
#31
Cyclohexane
Concen: 19.835 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	25.9	38.9
84	86.8	65.6	98.4

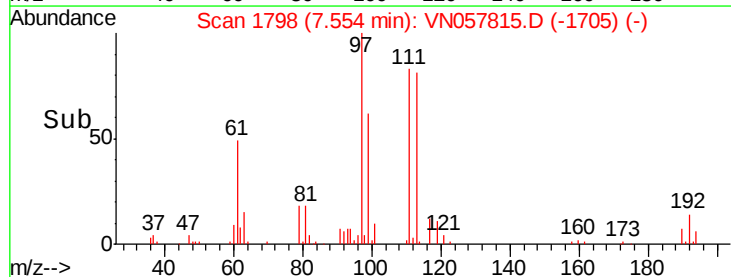
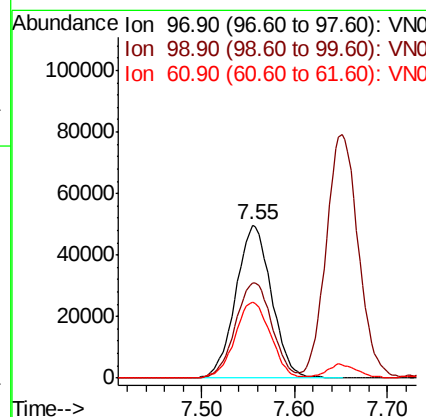
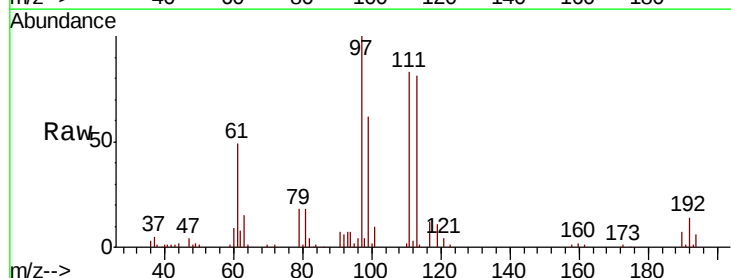
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9/13/2019 5:16:17 AM



#32
1,1,1-Trichloroethane
Concen: 19.474 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	49.5	39.0	58.6





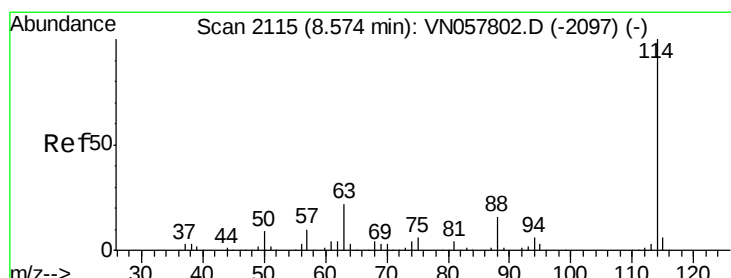
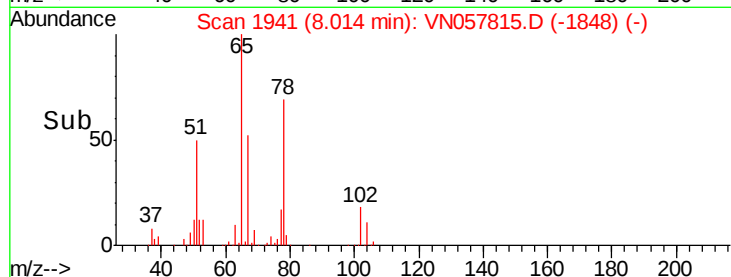
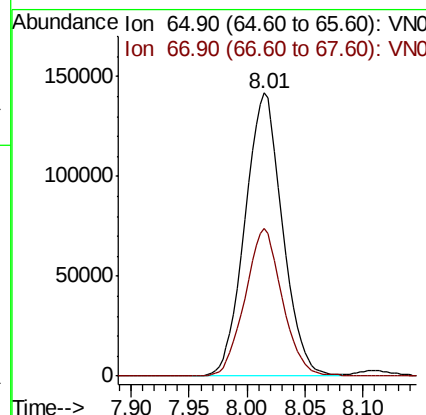
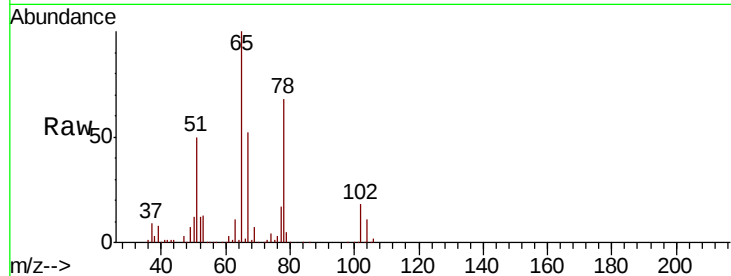
#33
 1,2-Dichloroethane-d4
 Concen: 51.206 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.0

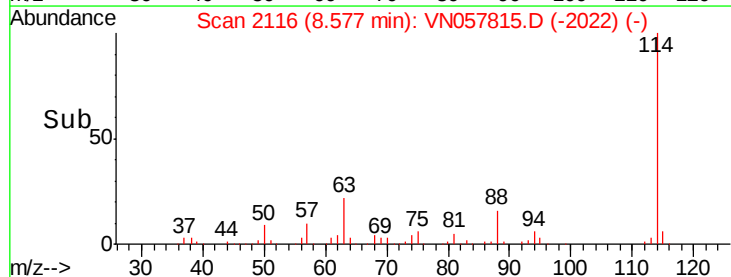
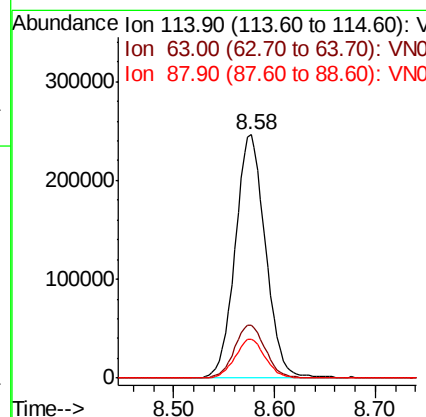
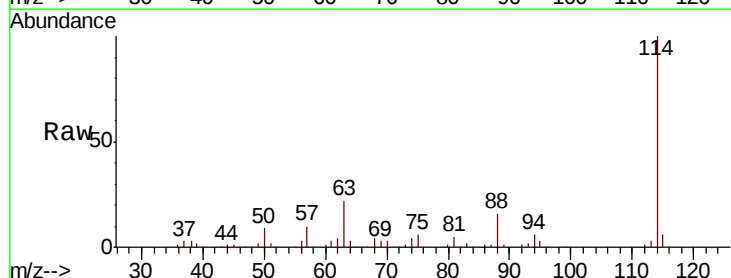
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.0
88	16.2	0.0	31.4





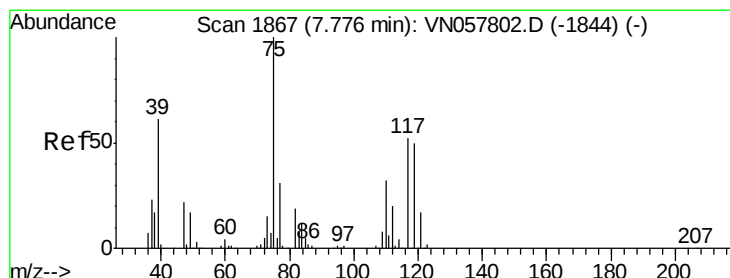
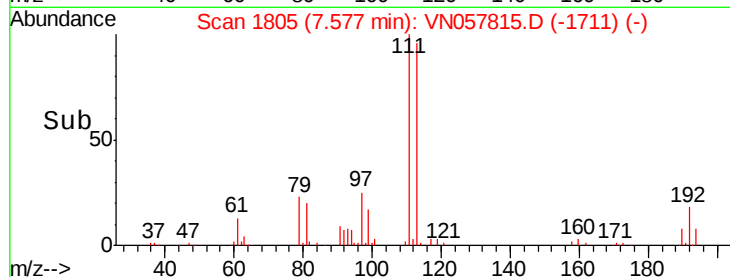
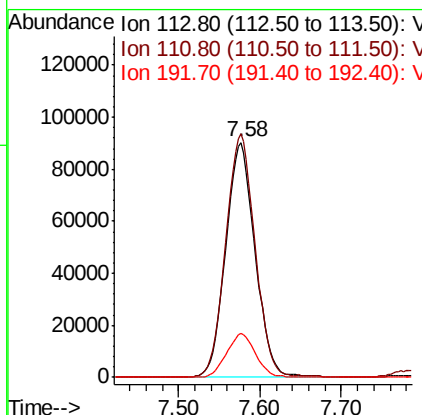
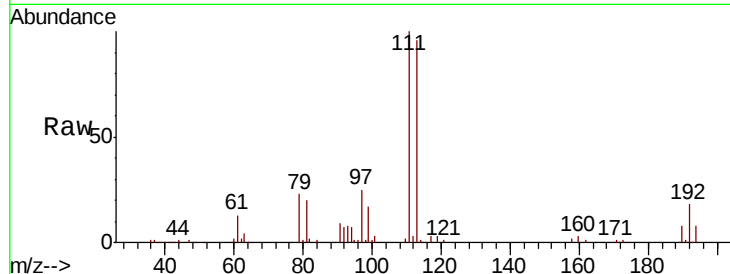
#35
 Dibromofluoromethane
 Concen: 48.370 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	81.3	121.9	
192	18.3	14.6	22.0	

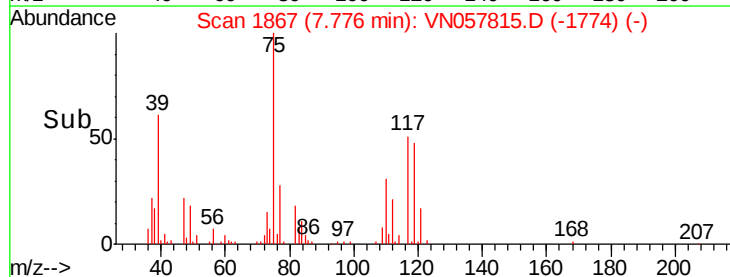
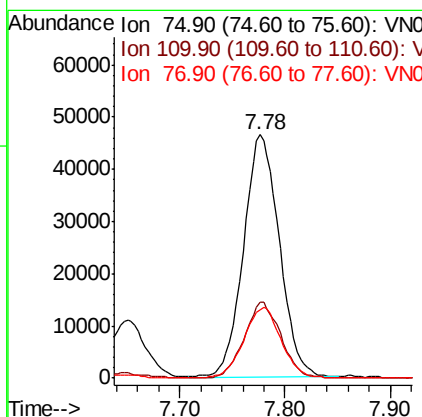
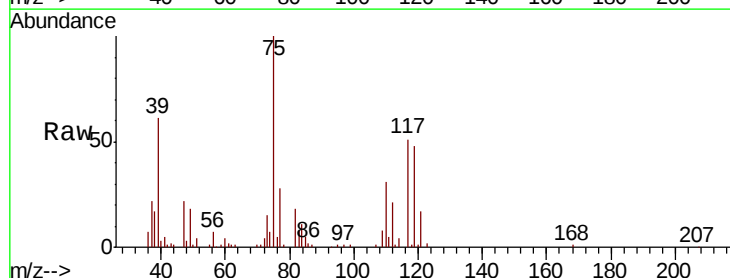
Manual Integrations
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 9/13/2019 5:16:17 AM



#36
 1,1-Dichloropropene
 Concen: 18.467 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.9	16.3	48.9	
77	30.6	25.0	37.4	





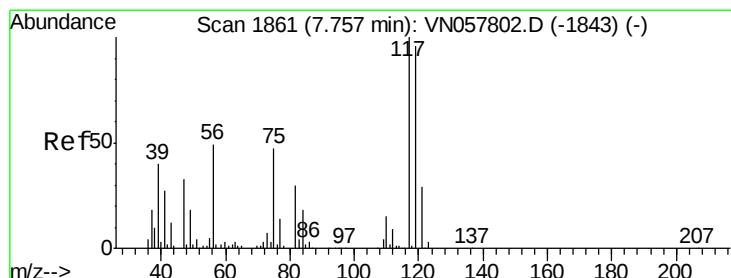
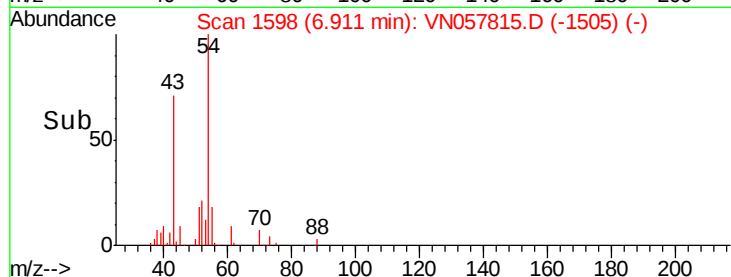
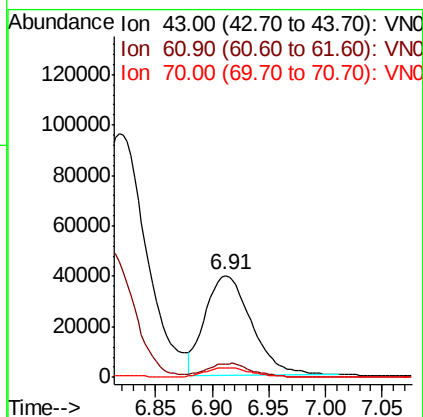
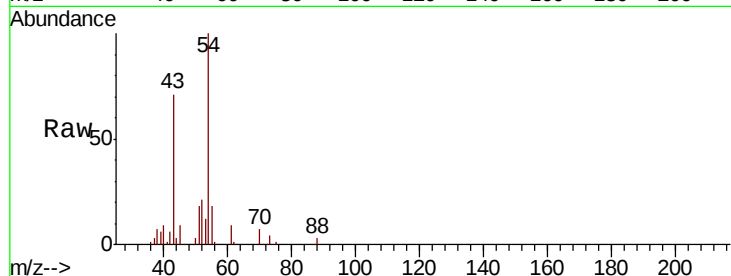
#37
Ethyl Acetate
Concen: 18.521 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.8	7.4	11.0

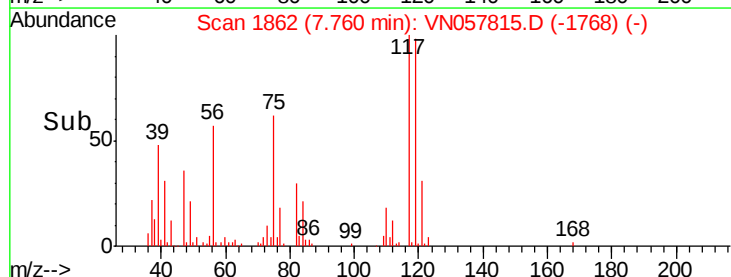
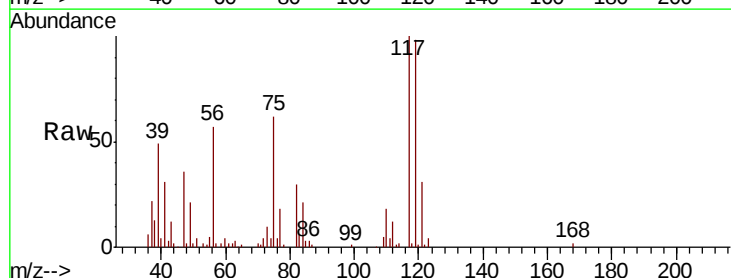
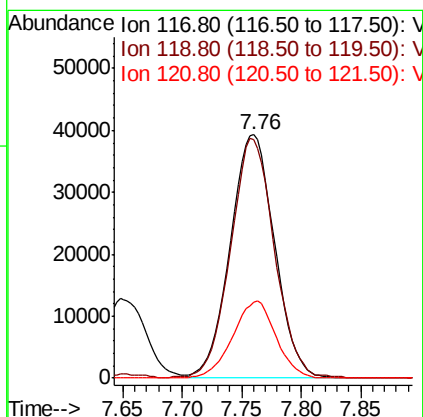
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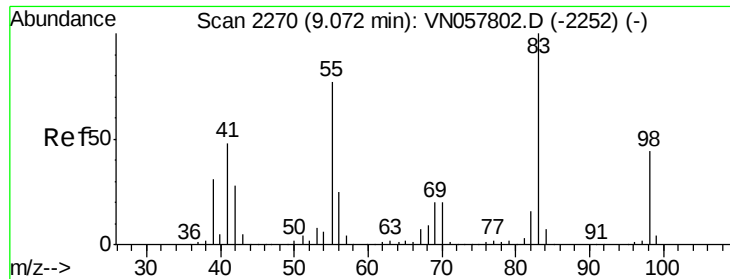
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9/13/2019 5:16:17 AM



#38
Carbon Tetrachloride
Concen: 18.740 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.9	115.3
121	31.0	23.4	35.2





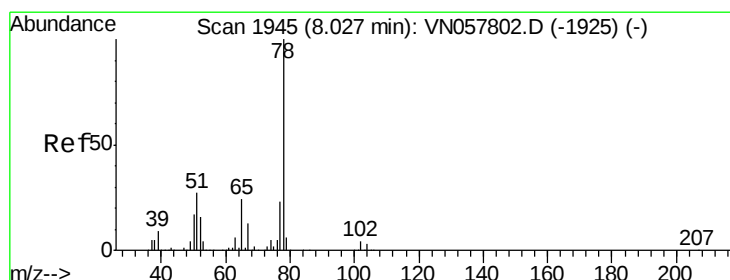
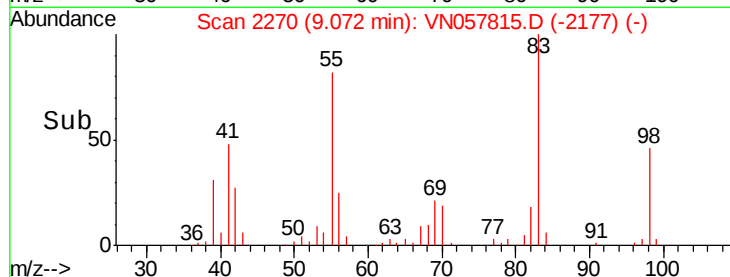
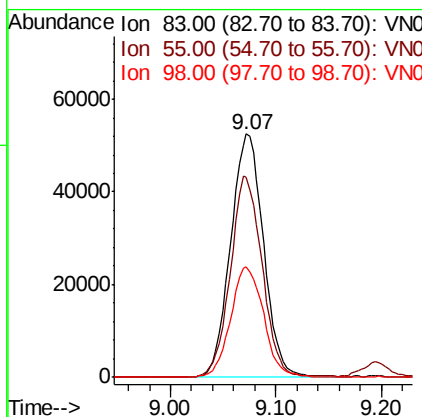
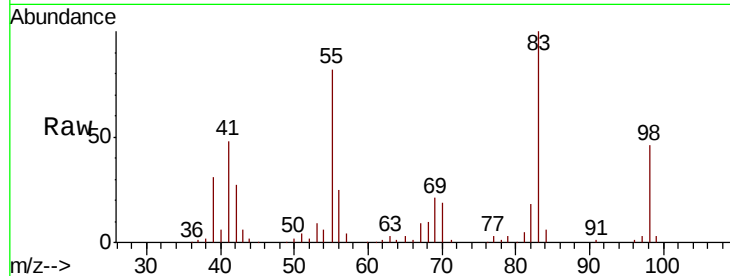
#39
Methvlcvclohexane
Concen: 18.225 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	83.00	Resp	113787
Ion	Ratio	Lower	Upper
83	100		
55	82.3	61.6	92.4
98	45.5	34.9	52.3

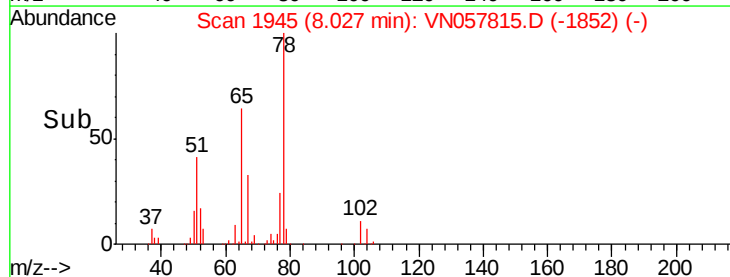
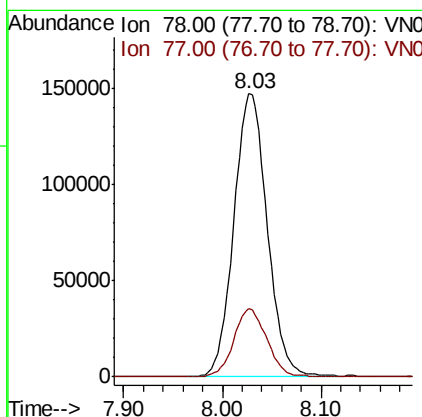
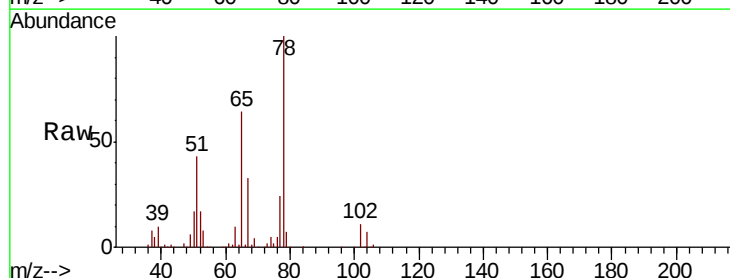
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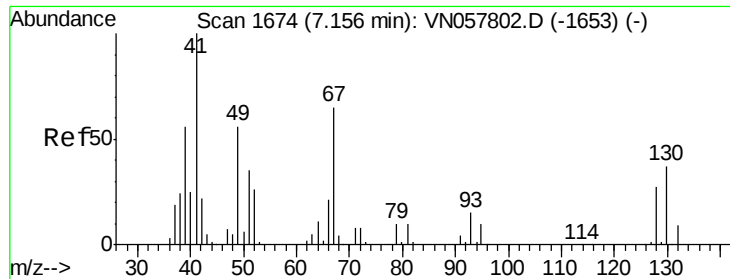
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#40
Benzene
Concen: 19.397 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	78.00	Resp	346830
Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





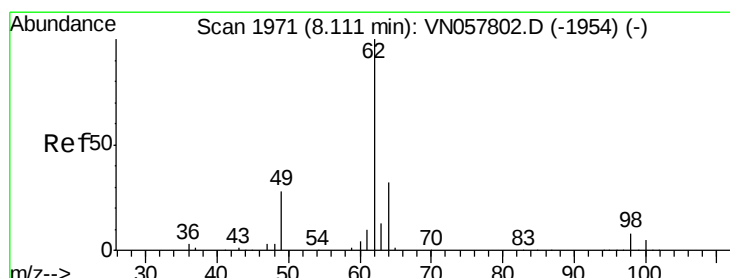
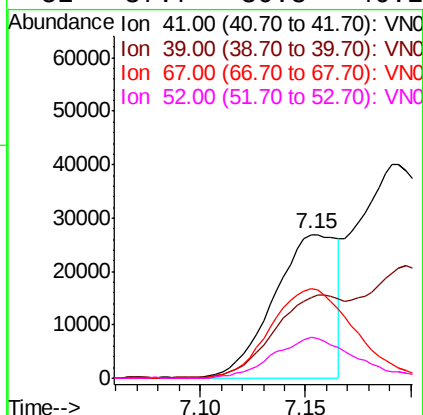
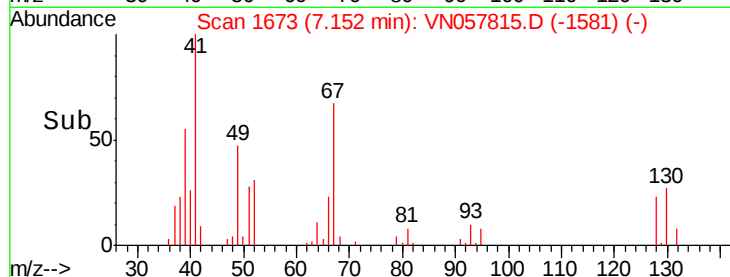
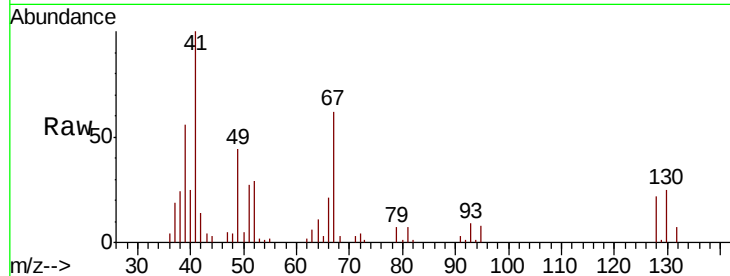
#41
Methacrylonitrile
Concen: 20.167 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	41	Resp	56175
Ion	Ratio	Lower	Upper
41	100		
39	62.7	51.0	76.6
67	83.7	70.7	106.1
52	37.7	30.8	46.2

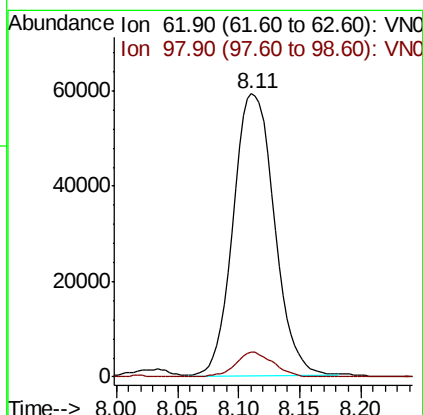
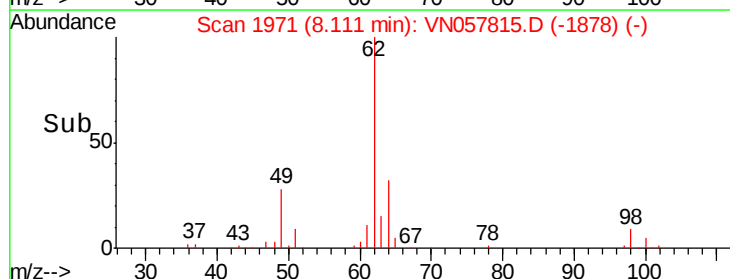
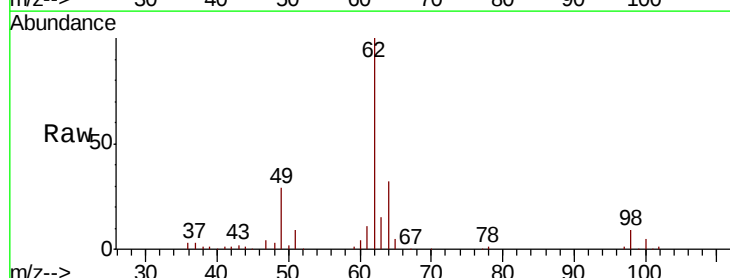
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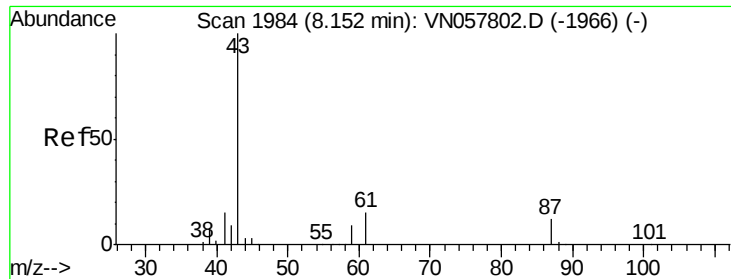
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#42
1,2-Dichloroethane
Concen: 19.342 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	62	Resp	138317
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.8





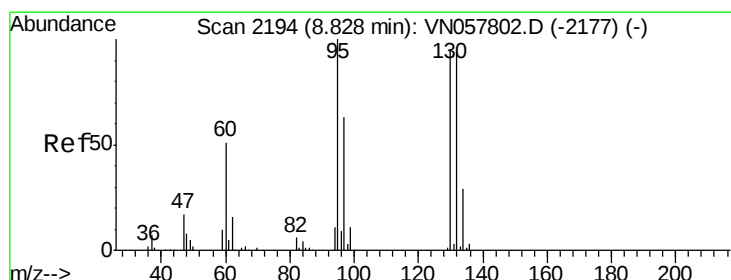
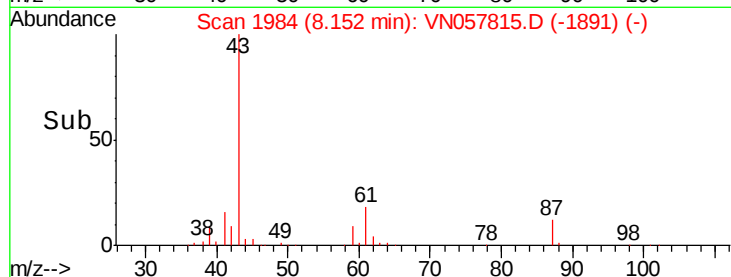
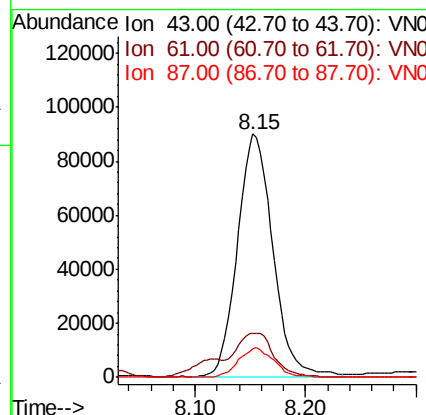
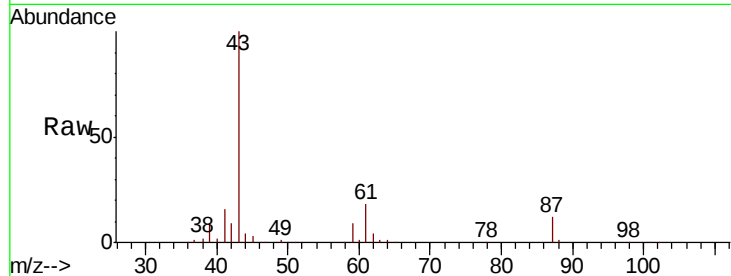
#43
Isopropyl Acetate
Concen: 19.368 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	20.1	30.1#
87	12.1	9.5	14.3

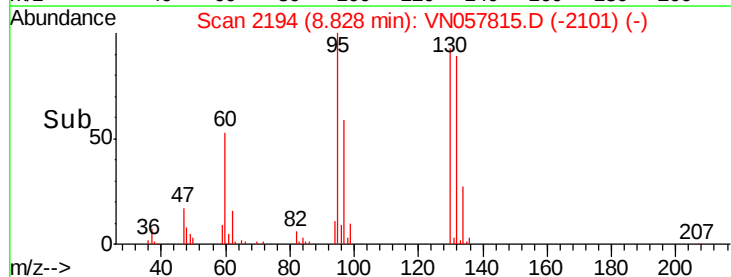
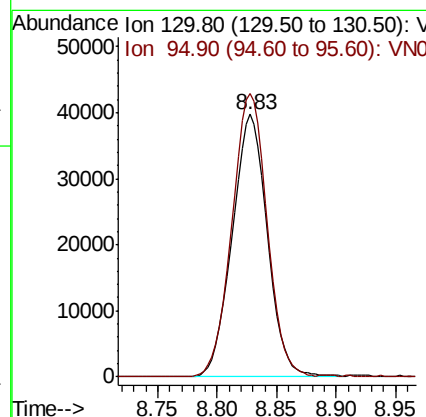
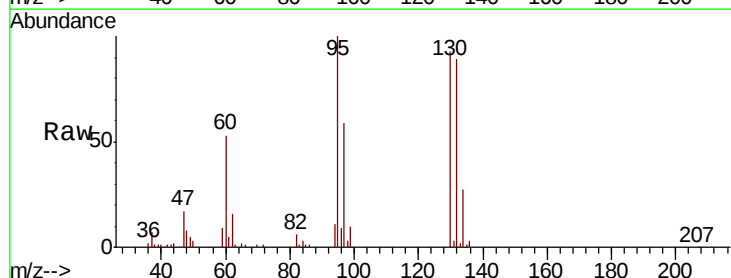
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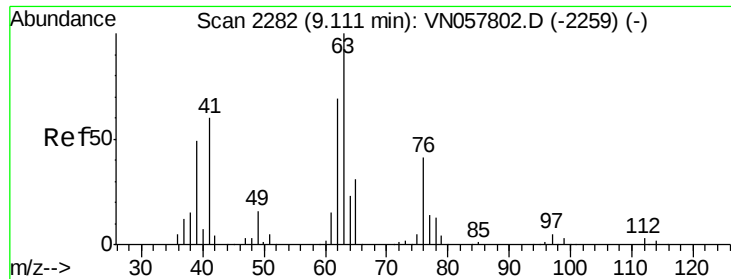
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#44
Trichloroethene
Concen: 18.586 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.9	0.0	211.4





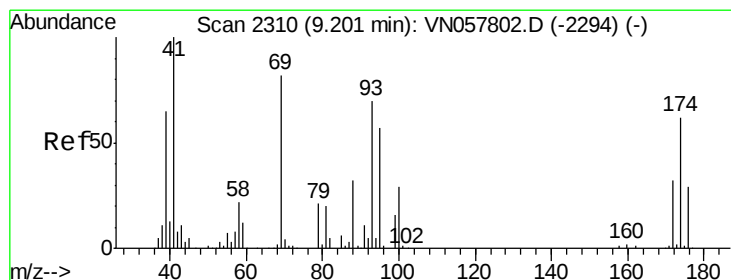
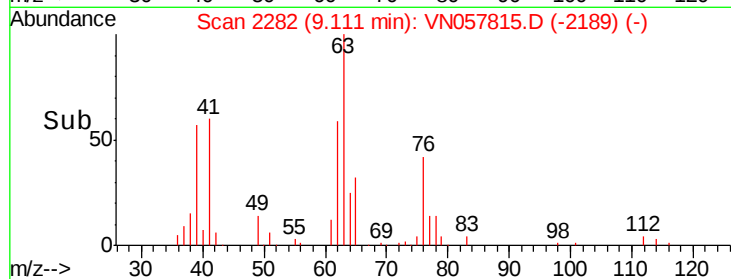
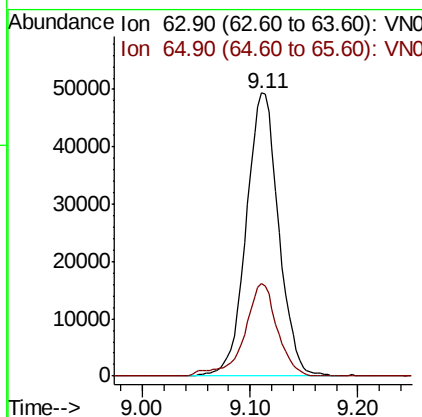
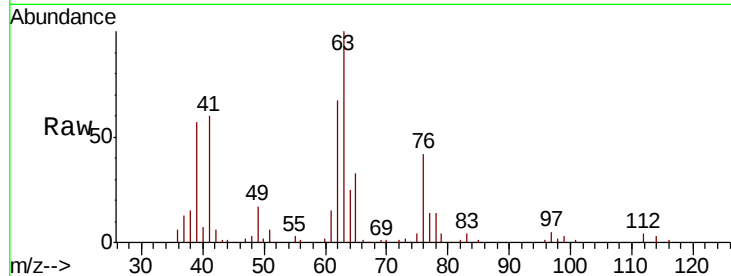
#45
 1,2-Dichloropropane
 Concen: 19.835 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion: 63 Resp: 103200
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.8 37.2

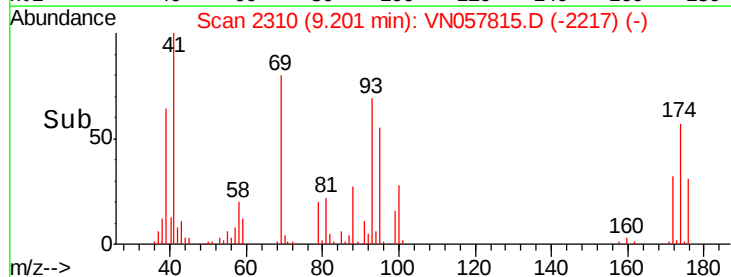
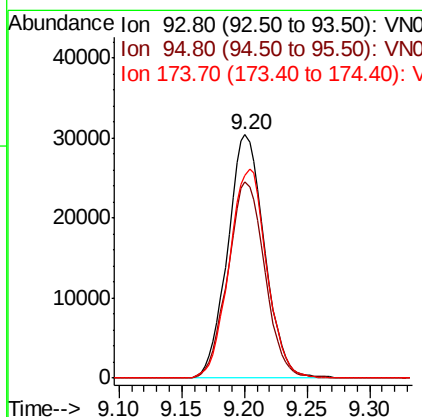
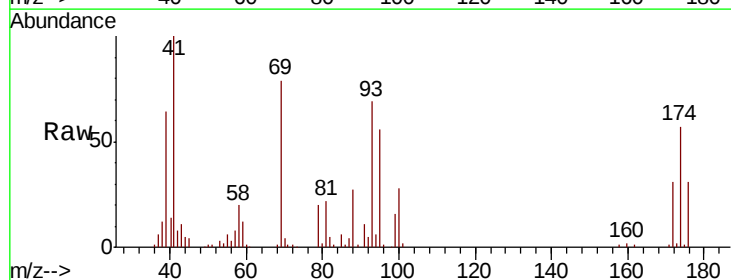
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#46
 Dibromomethane
 Concen: 19.733 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion: 93 Resp: 62042
 Ion Ratio Lower Upper
 93 100
 95 80.9 65.9 98.9
 174 87.1 71.8 107.6





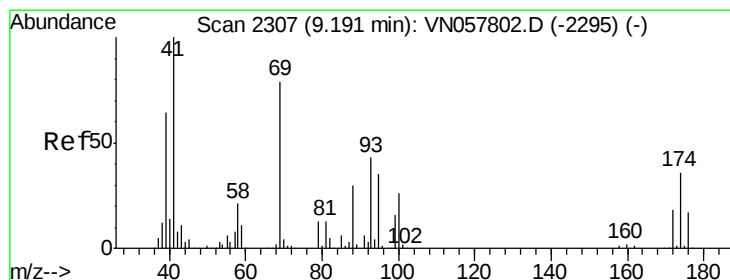
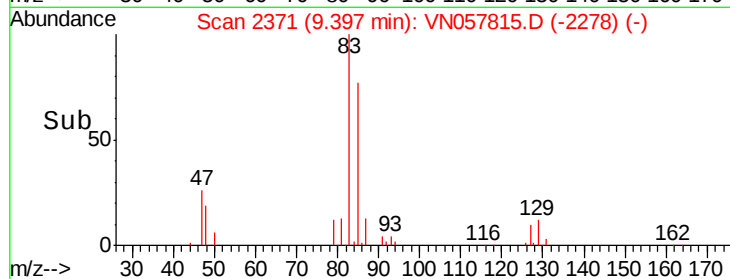
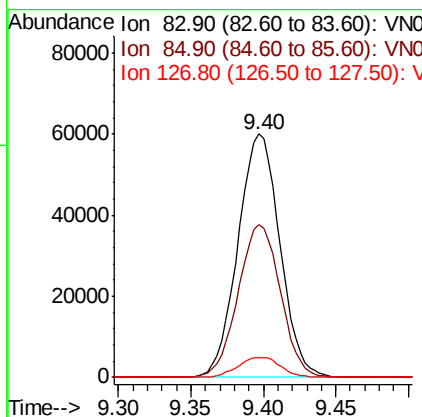
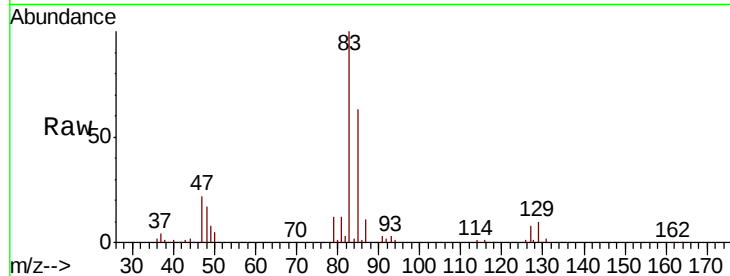
#47
 Bromodichloromethane
 Concen: 19.242 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion:	83	Resp:	120811
Ion Ratio	Lower	Upper	
83	100		
85	62.6	49.9	74.9
127	8.1	6.5	9.7

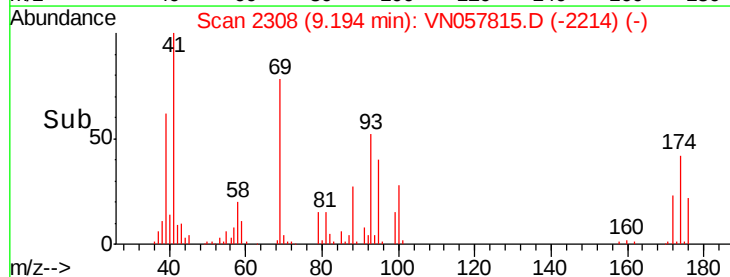
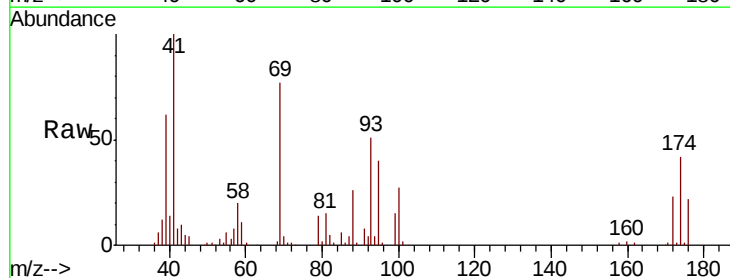
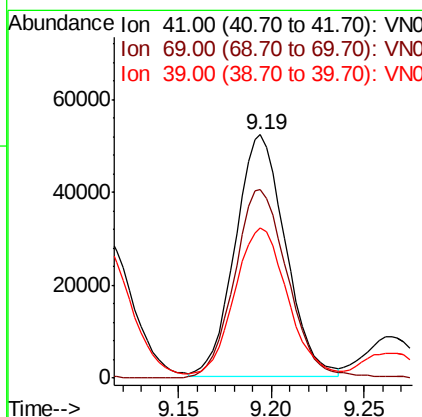
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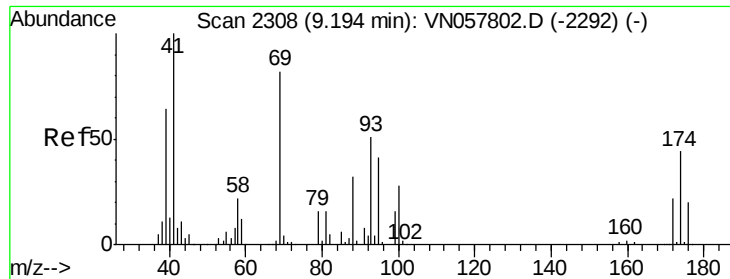
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#48
 Methyl methacrylate
 Concen: 18.744 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion:	41	Resp:	98120
Ion Ratio	Lower	Upper	
41	100		
69	82.3	62.7	94.1
39	64.7	52.7	79.1





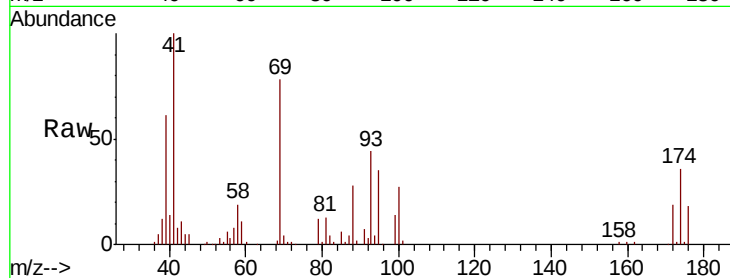
#49
1,4-Dioxane
Concen: 339.555 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.5	42.7
58	71.1	55.8	83.6

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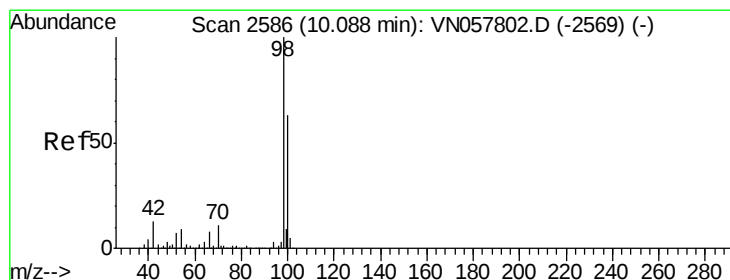
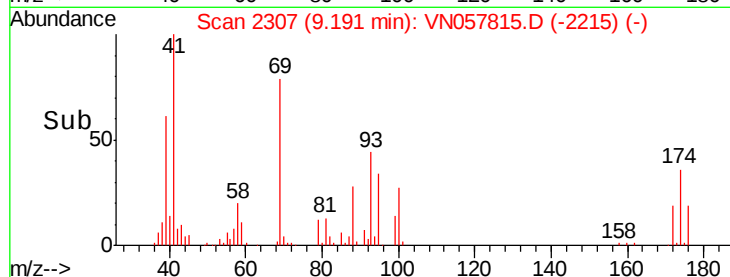
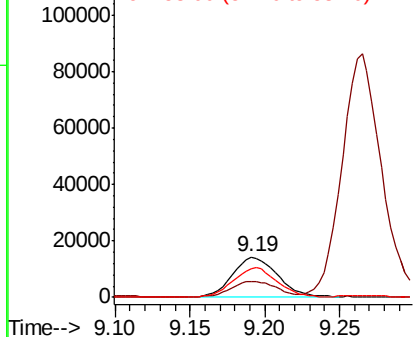


Abundance

Ion 88.00 (87.70 to 88.70): VN057802.D (-2292) (-)

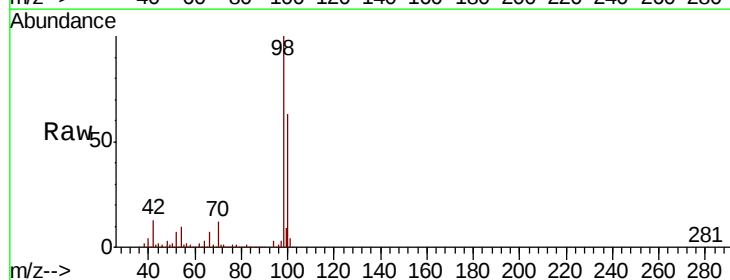
Ion 43.00 (42.70 to 43.70): VN057802.D (-2292) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2292) (-)



#50
Toluene-d8
Concen: 50.810 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

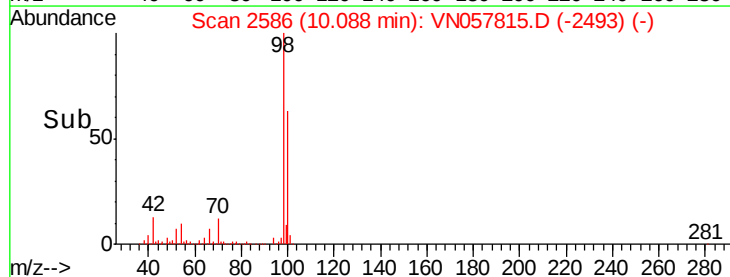
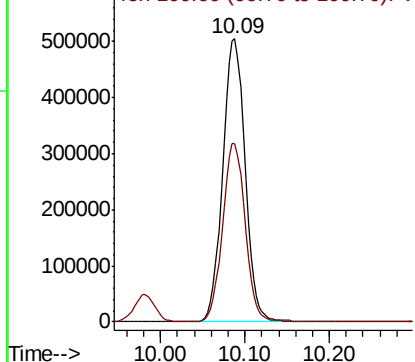
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.3	75.5

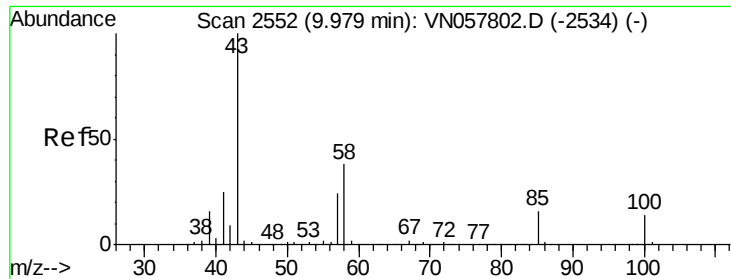


Abundance

Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 104.154 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 43 Resp: 636031

Ion Ratio Lower Upper

43 100

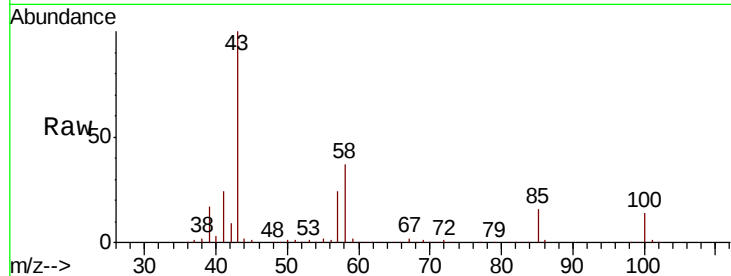
58 37.2 29.8 44.6

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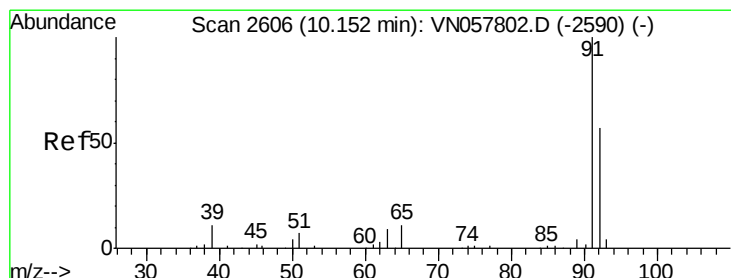
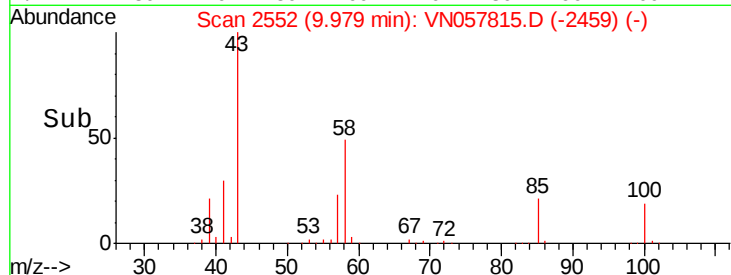
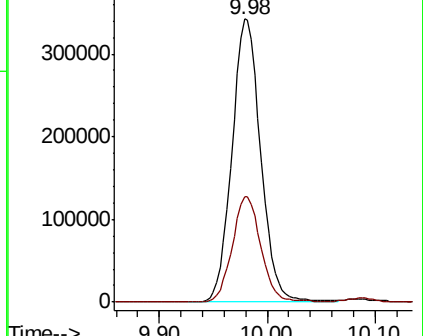
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.317 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057815.D

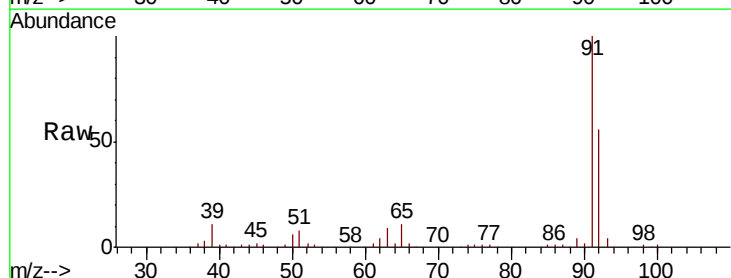
Acq: 9 Sep 2019 20:57

Tgt Ion: 92 Resp: 217546

Ion Ratio Lower Upper

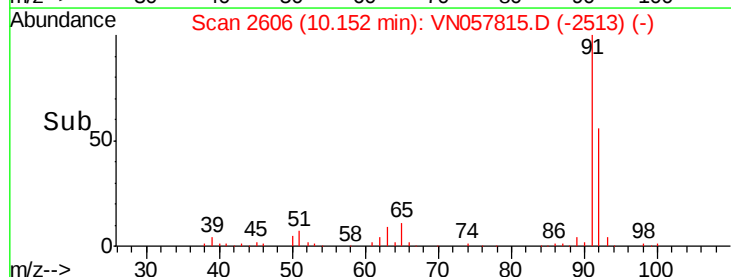
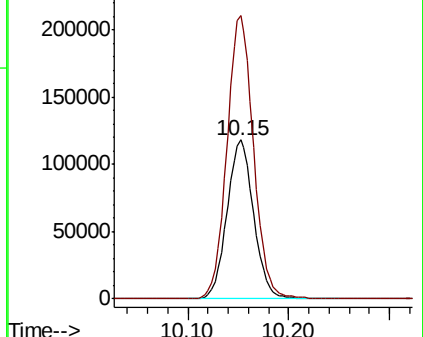
92 100

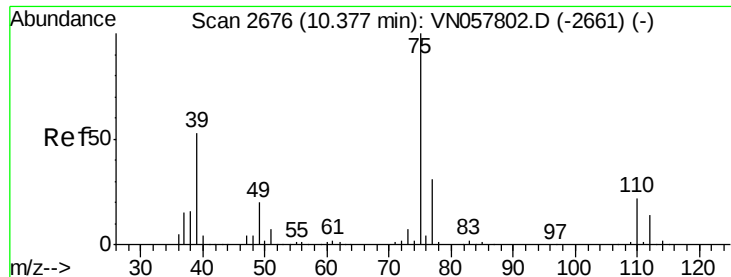
91 177.5 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





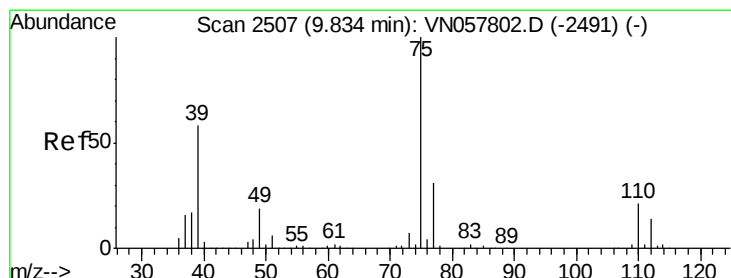
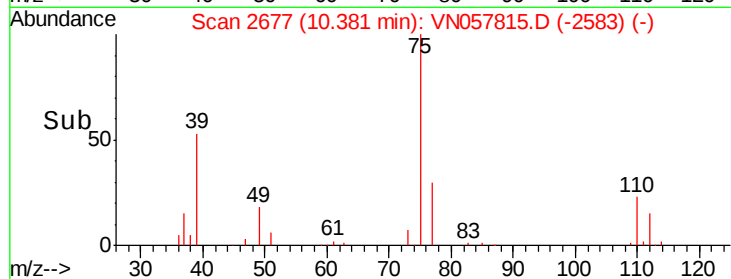
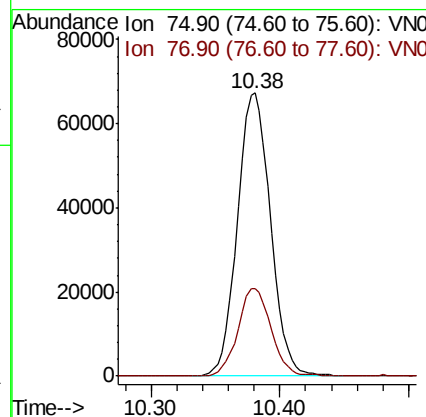
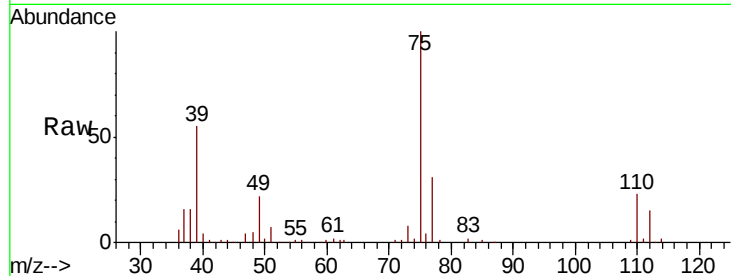
#53
t-1,3-Dichloropropene
Concen: 18.145 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 75 Resp: 119971
Ion Ratio Lower Upper
75 100
77 31.2 24.5 36.7

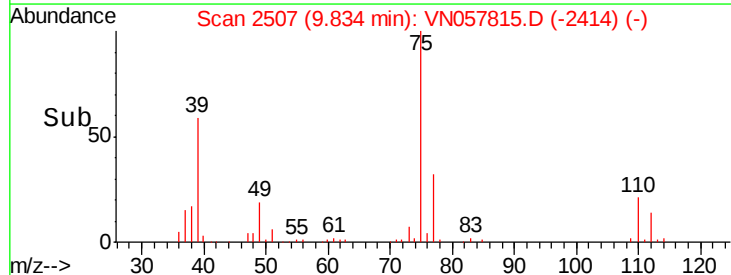
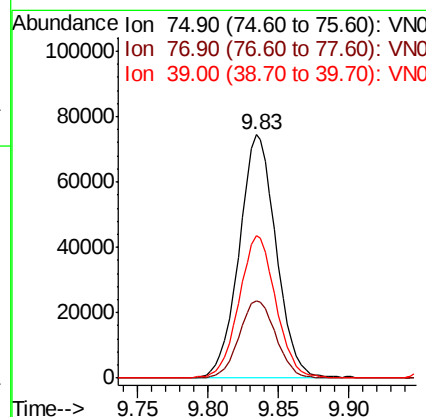
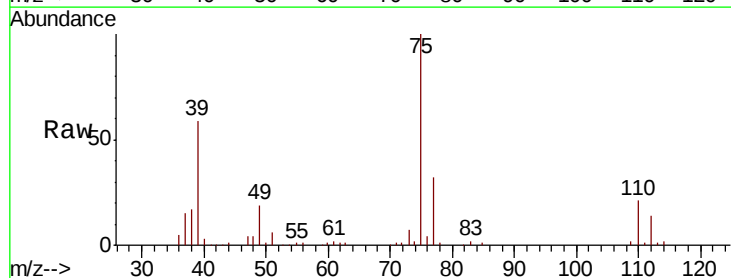
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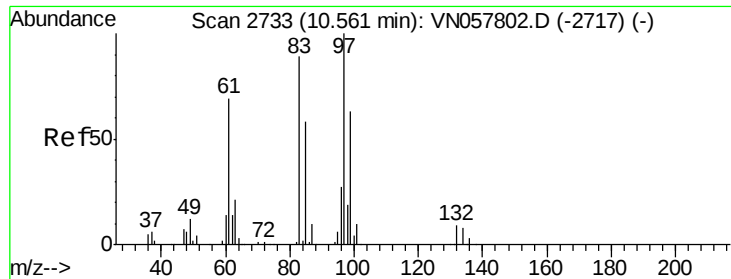
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9/13/2019 5:16:17 AM



#54
cis-1,3-Dichloropropene
Concen: 18.710 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion: 75 Resp: 136578
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 58.4 46.2 69.4





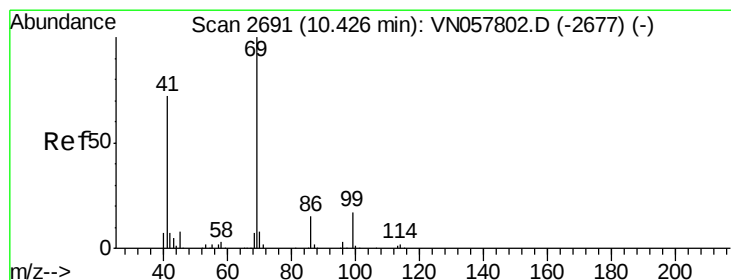
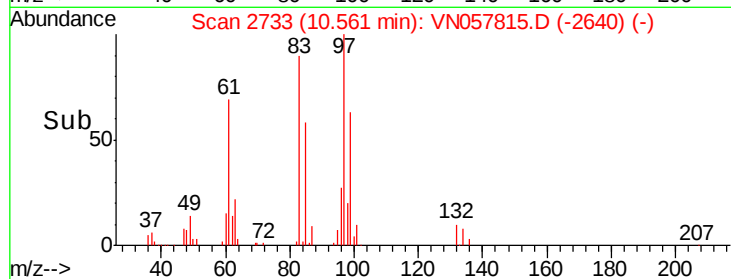
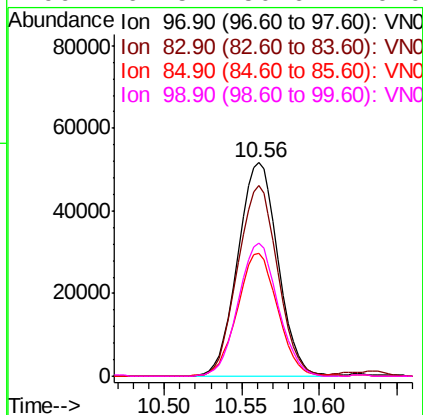
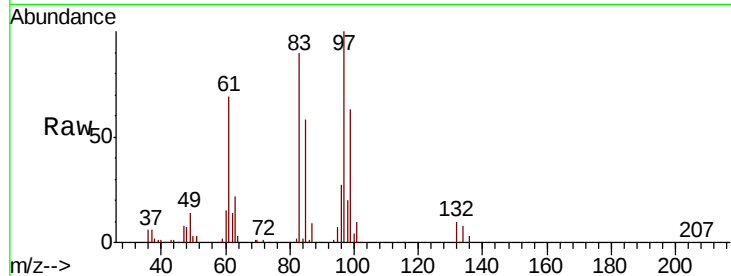
#55
 1,1,2-Trichloroethane
 Concen: 19.654 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion:	97	Resp:	93761
Ion	Ratio	Lower	Upper
97	100		
83	89.6	70.8	106.2
85	57.6	46.0	69.0
99	62.5	50.6	76.0

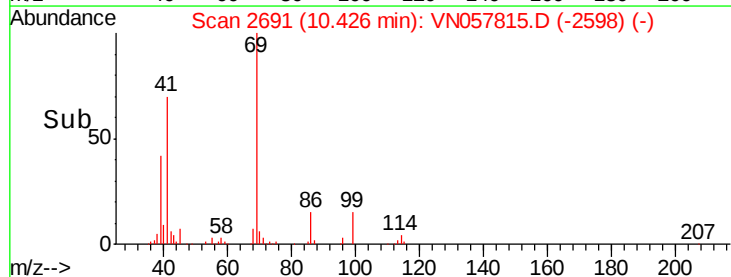
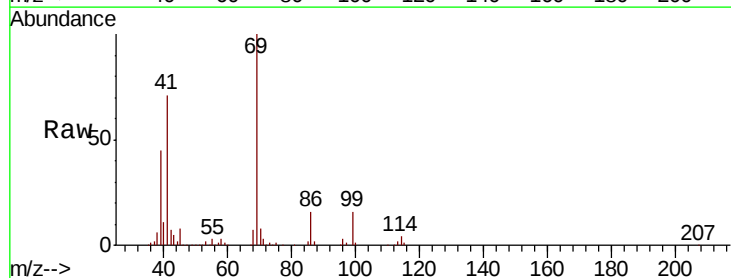
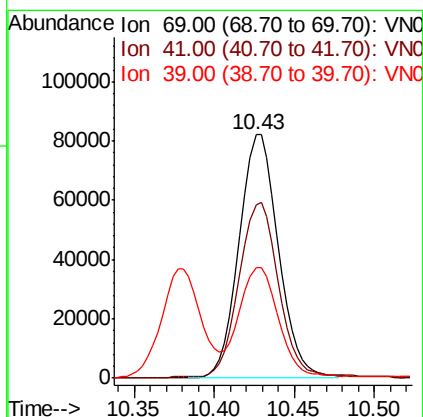
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#56
 Ethyl methacrylate
 Concen: 19.246 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion:	69	Resp:	138260
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.7	85.1
39	45.2	36.3	54.5





#57

1,3-Dichloropropane

Concen: 19.235 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 76 Resp: 158133

Ion Ratio Lower Upper

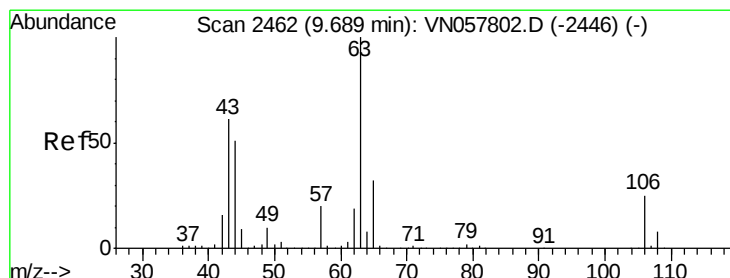
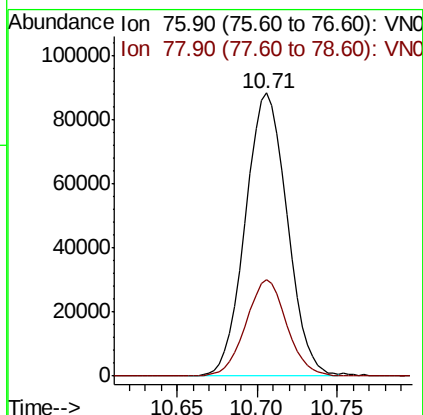
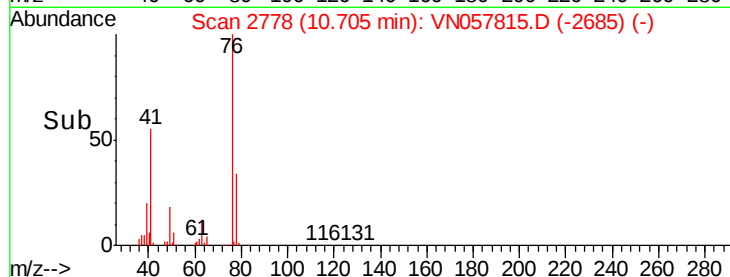
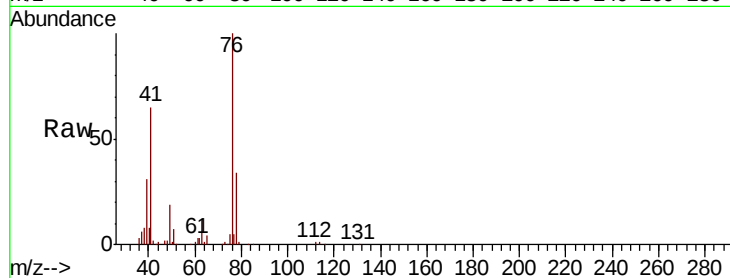
76 100

78 33.4 25.4 38.2

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9/13/2019 5:16:17 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.784 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057815.D

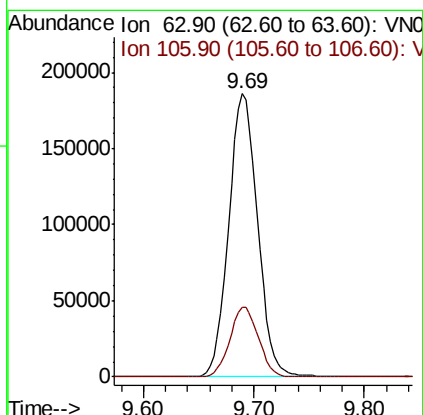
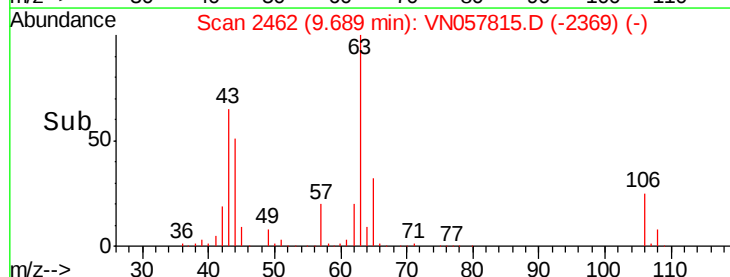
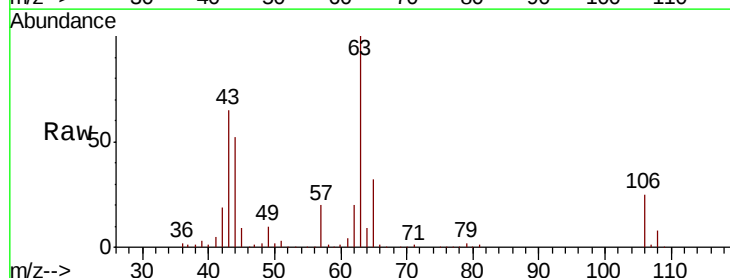
Acq: 9 Sep 2019 20:57

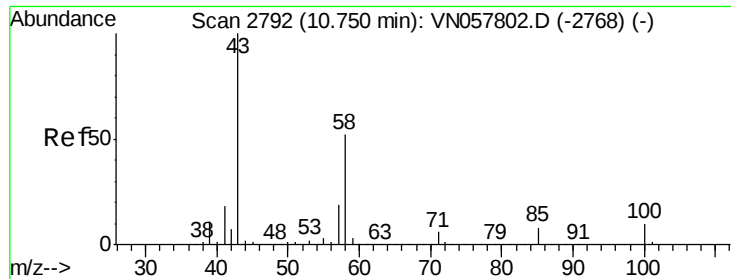
Tgt Ion: 63 Resp: 337624

Ion Ratio Lower Upper

63 100

106 24.5 20.0 30.0





#59

2-Hexanone

Concen: 97.275 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion: 43 Resp: 445244

Ion Ratio Lower Upper

43 100

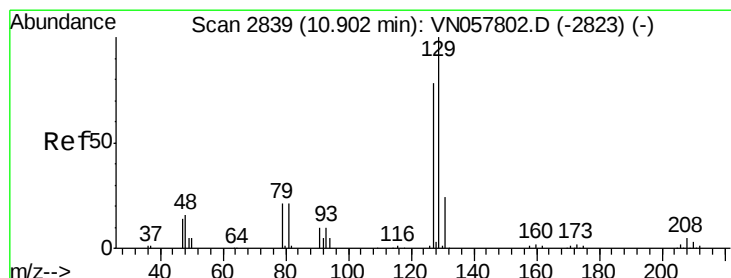
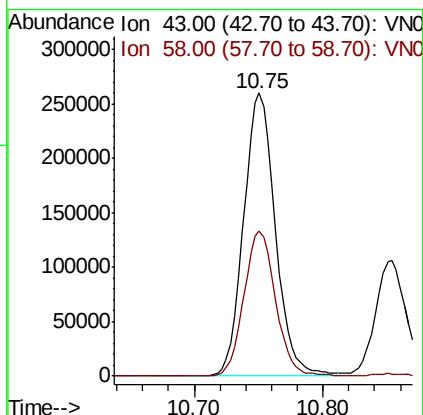
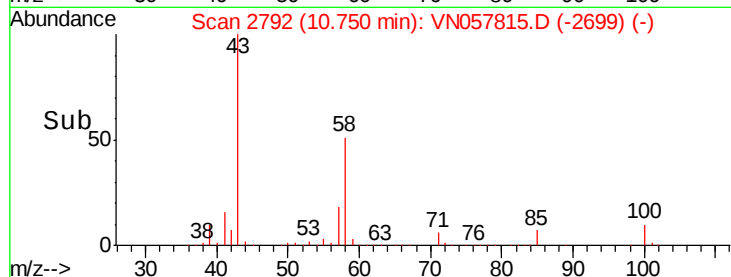
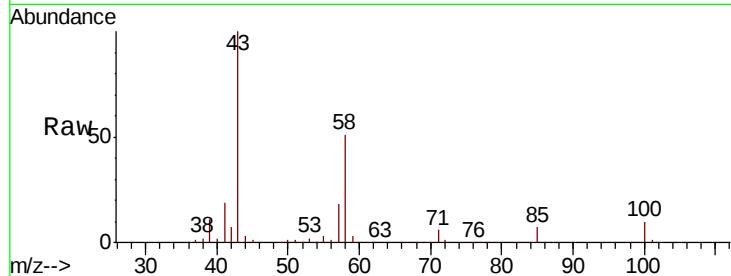
58 51.5 25.6 76.8

Manual Integrations

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9/13/2019 5:16:17 AM



#60

Dibromochloromethane

Concen: 18.537 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057815.D

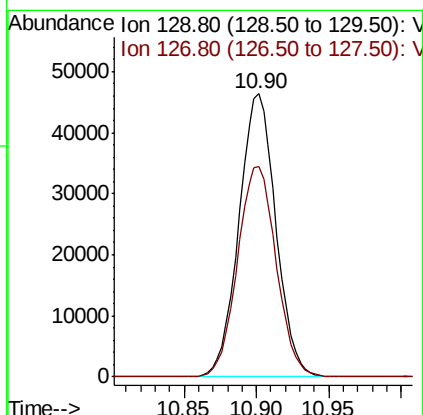
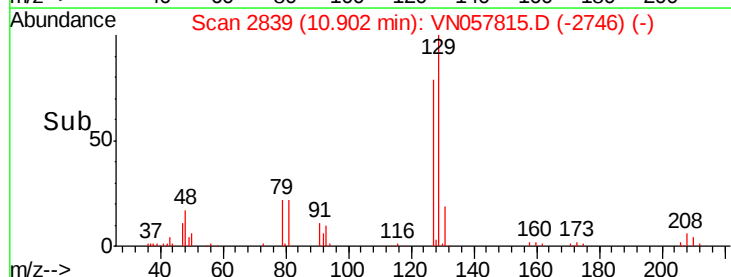
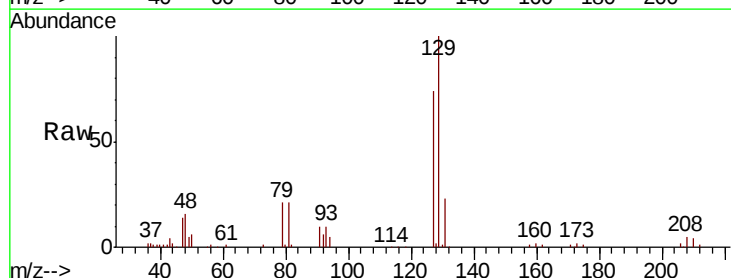
Acq: 9 Sep 2019 20:57

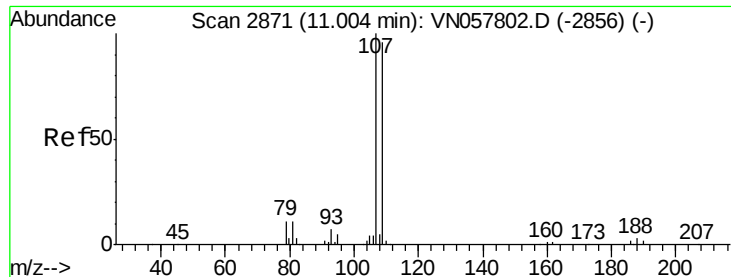
Tgt Ion: 129 Resp: 82115

Ion Ratio Lower Upper

129 100

127 77.9 38.6 116.0





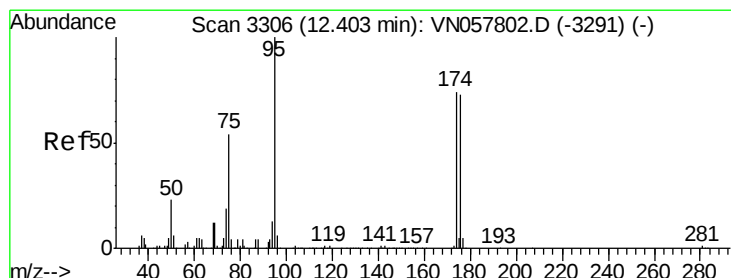
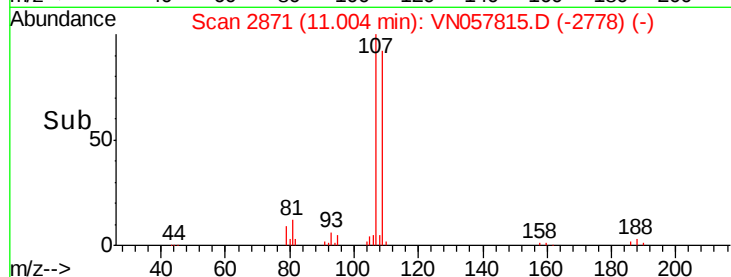
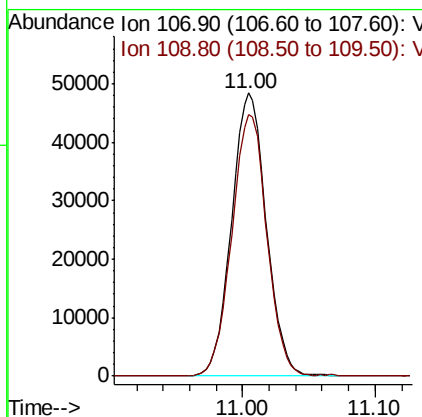
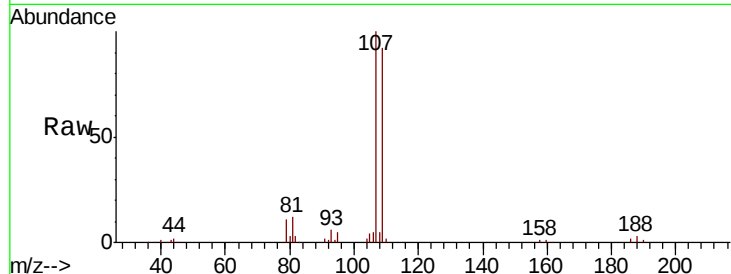
#61
 1,2-Dibromoethane
 Concen: 19.503 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.3	112.9

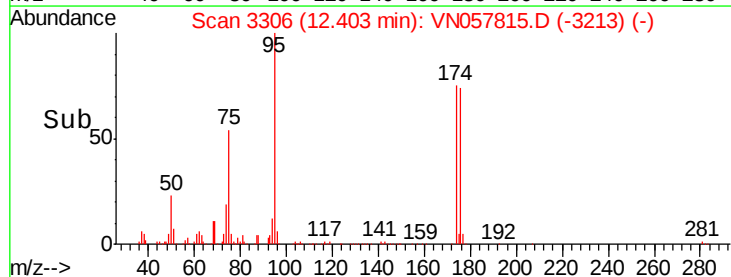
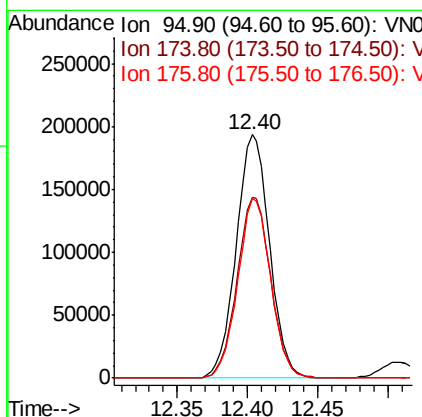
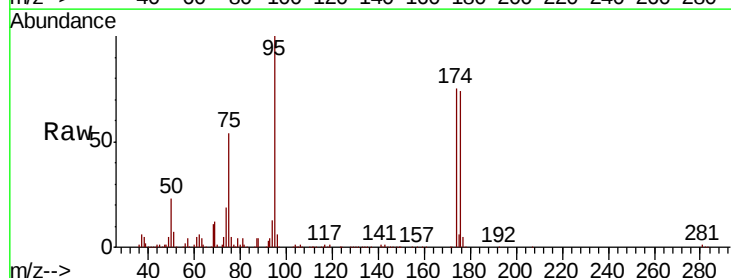
Manual Integrations
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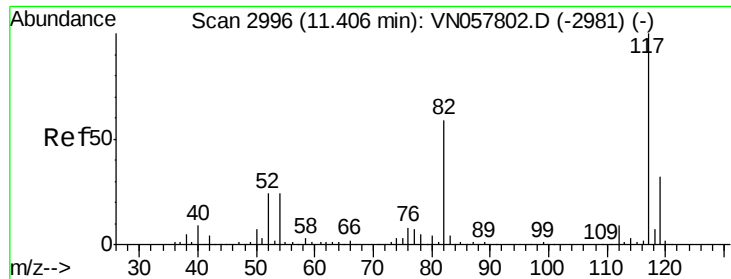
MMDadoda
 9/13/2019 5:16:17 AM



#62
 4-Bromofluorobenzene
 Concen: 45.882 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	150.2
176	72.8	0.0	146.0





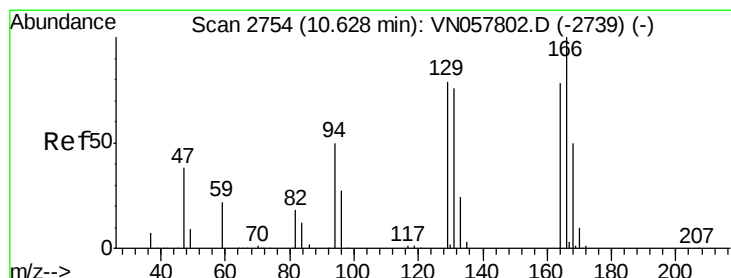
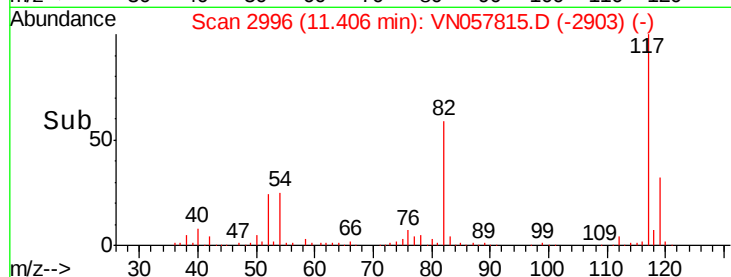
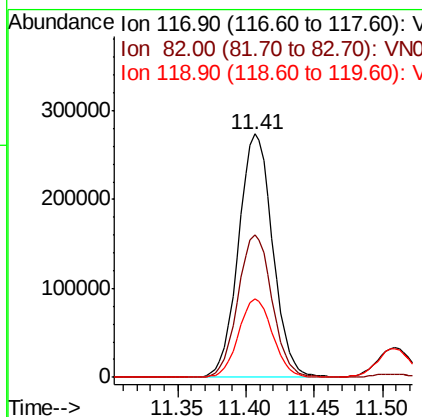
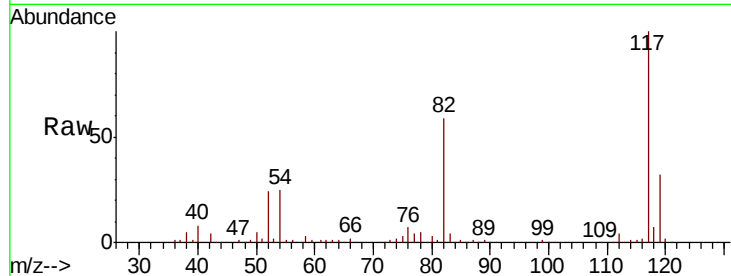
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.2	70.8
119	32.4	25.3	37.9

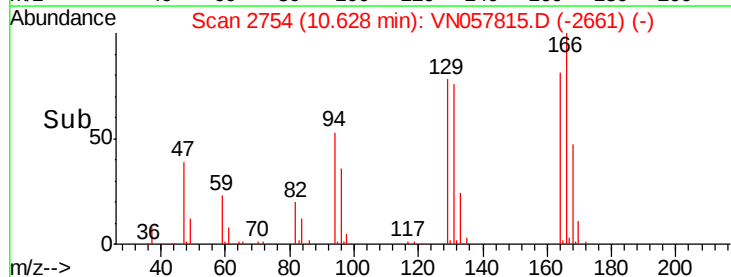
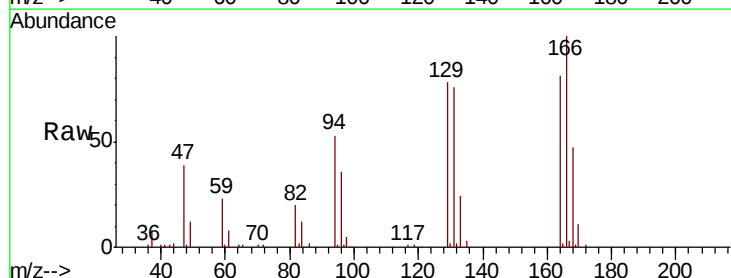
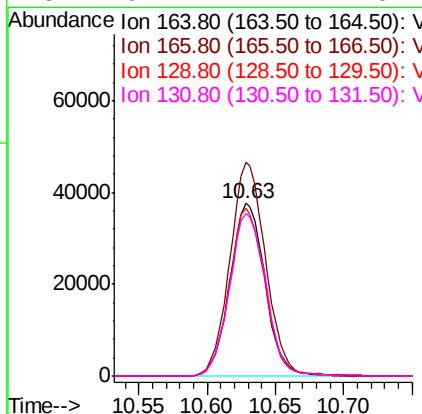
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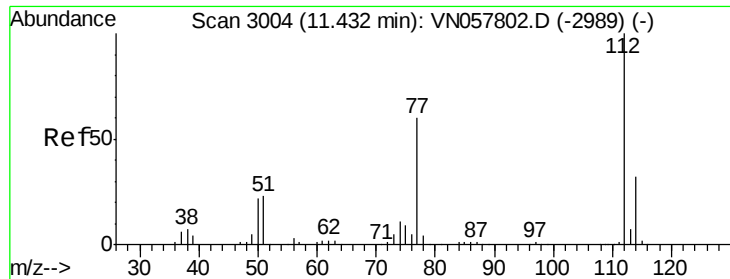
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#64
Tetrachloroethene
Concen: 19.130 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	102.2	153.2
129	97.1	80.8	121.2
131	94.2	77.4	116.2





#65

Chlorobenzene

Concen: 19.444 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion:112 Resp: 242529

Ion Ratio Lower Upper

112 100

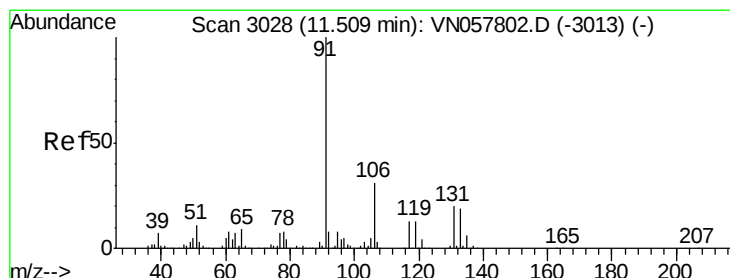
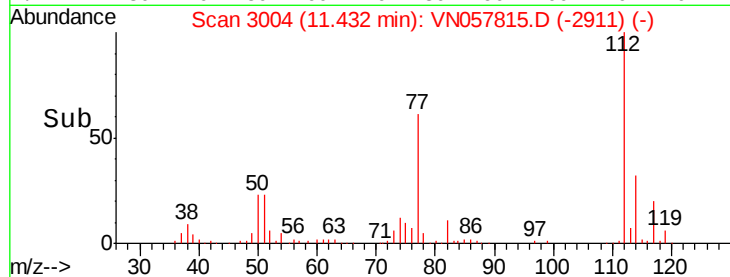
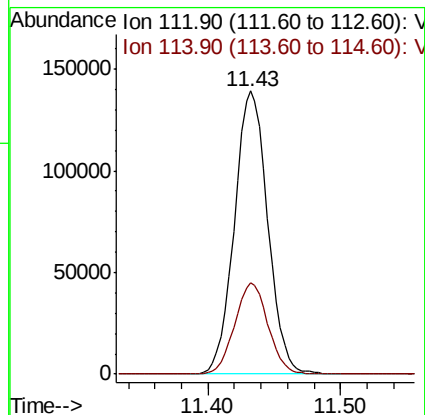
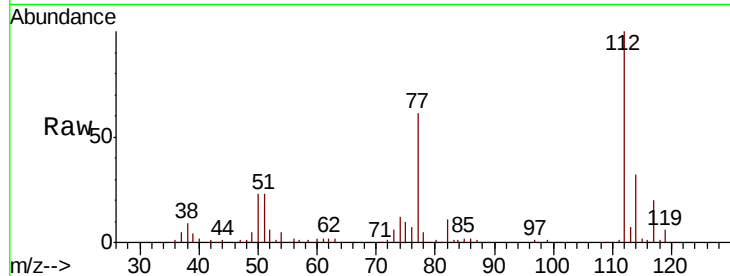
114 32.1 25.2 37.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.205 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

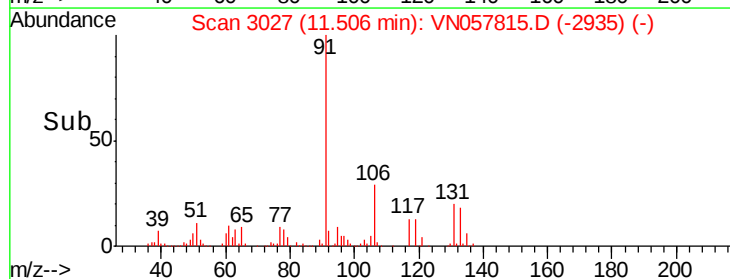
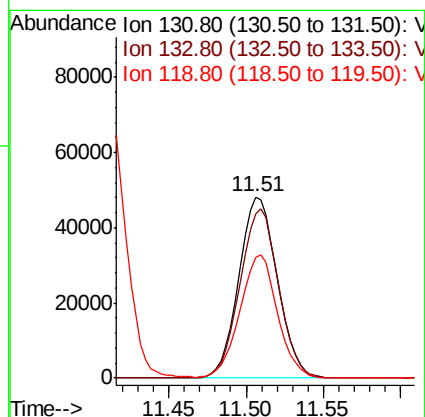
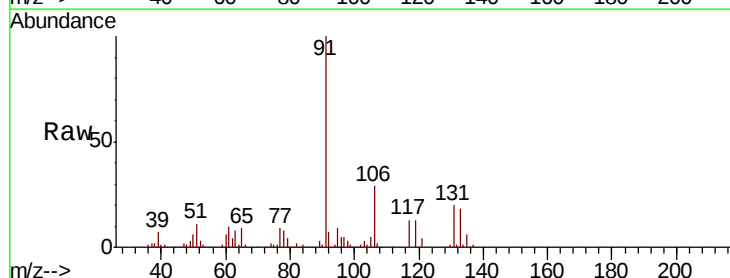
Tgt Ion:131 Resp: 83121

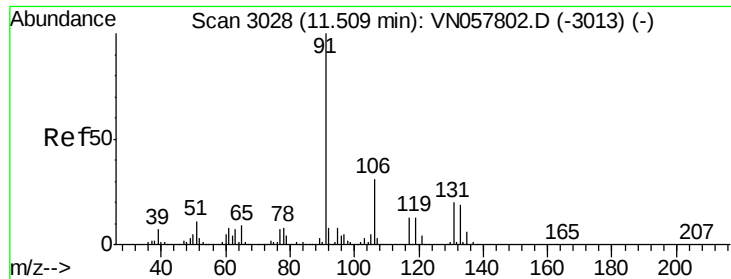
Ion Ratio Lower Upper

131 100

133 93.9 47.1 141.3

119 66.9 33.3 99.8





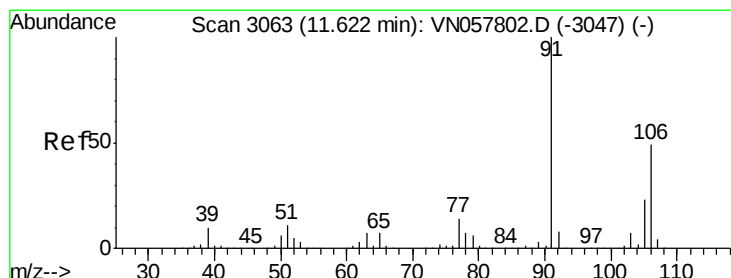
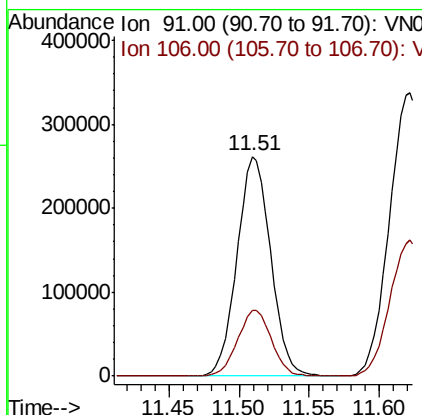
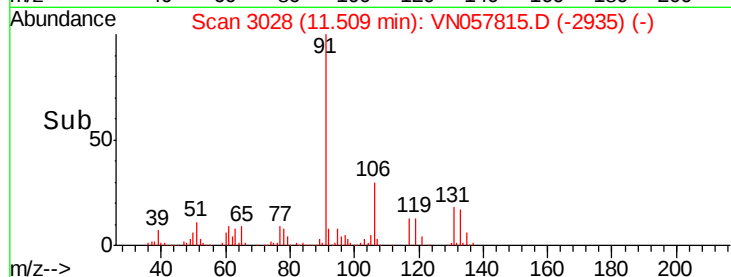
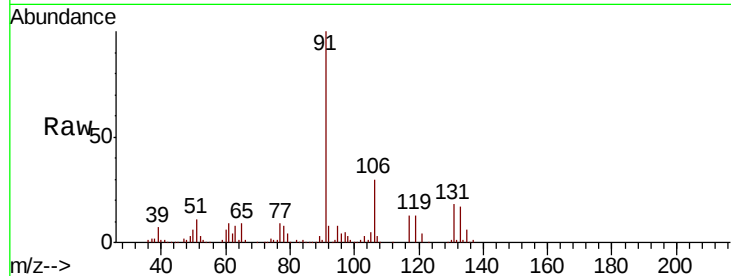
#67
Ethyl Benzene
Concen: 20.039 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion: 91 Resp: 438063
Ion Ratio Lower Upper
91 100
106 29.9 24.4 36.6

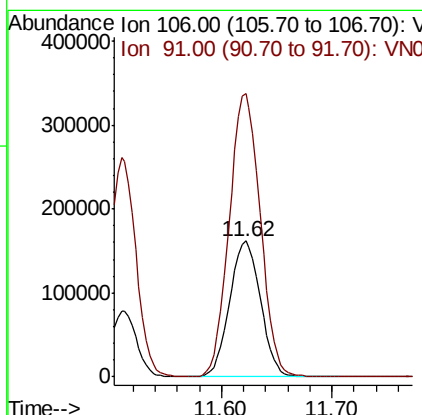
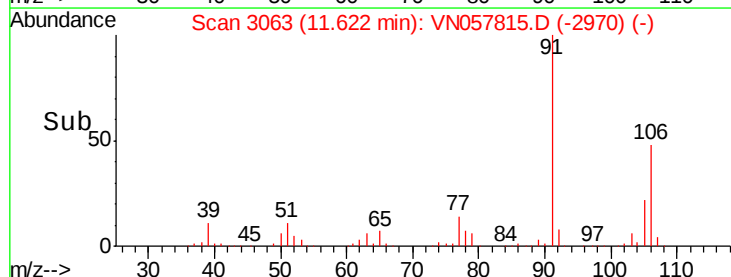
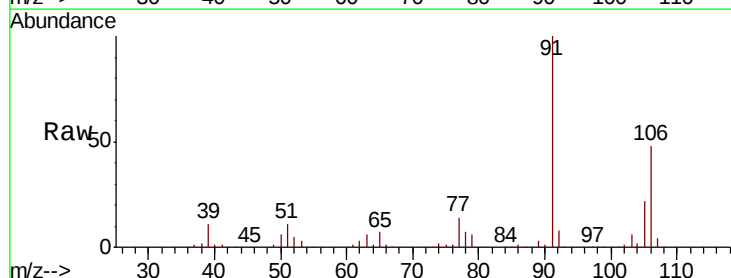
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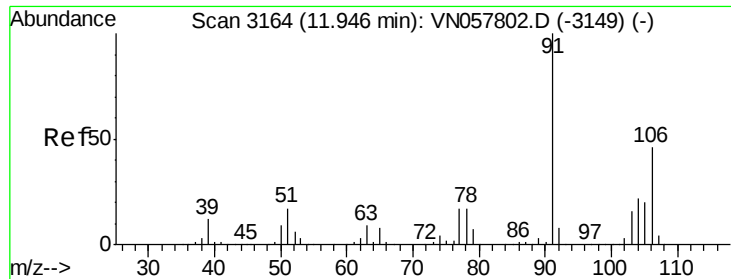
MMDadoda
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#68
m/p-Xylenes
Concen: 39.308 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion: 106 Resp: 314753
Ion Ratio Lower Upper
106 100
91 209.2 165.8 248.6





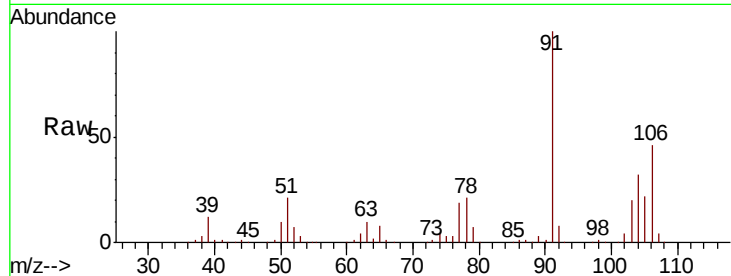
#69
o-Xylene
Concen: 19.677 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

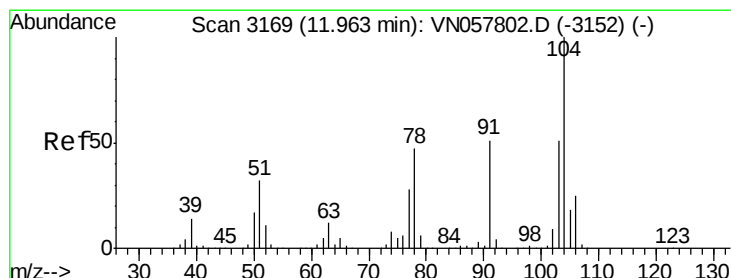
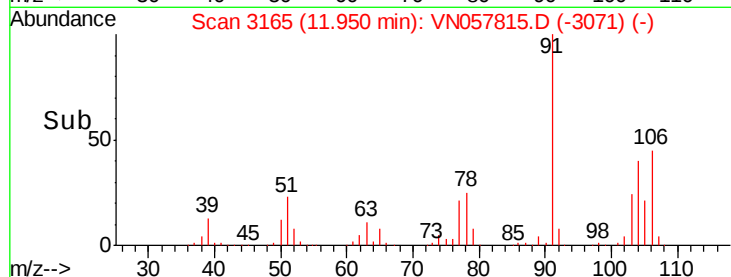
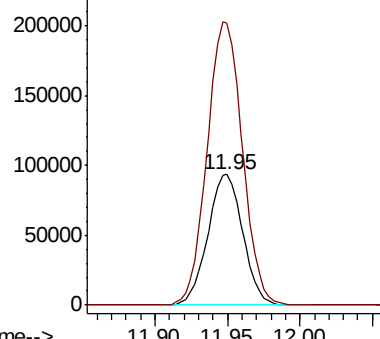
Tot Ion:106 Resp: 156636
Ion Ratio Lower Upper
106 100
91 219.2 108.7 326.1

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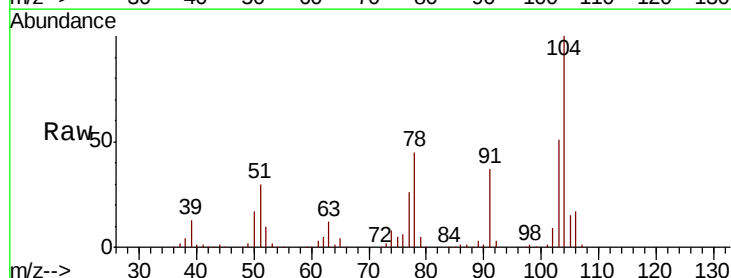


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

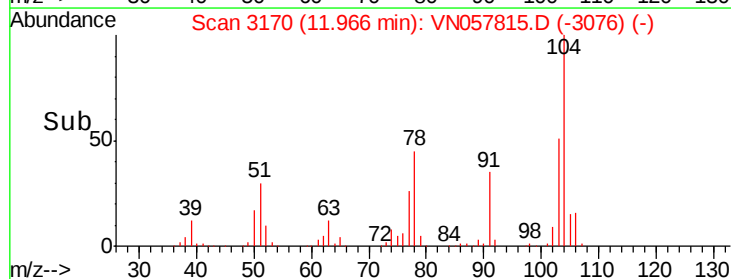
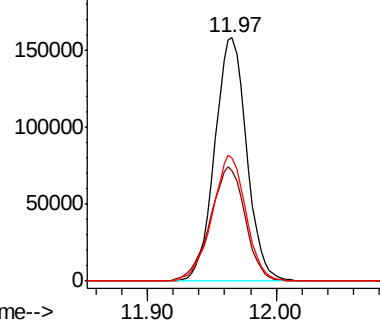


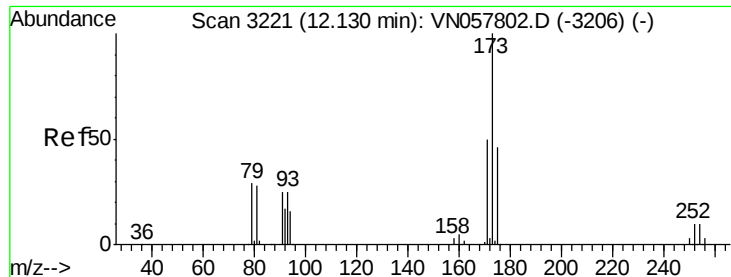
#70
Styrene
Concen: 19.893 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion:104 Resp: 272535
Ion Ratio Lower Upper
104 100
78 51.5 41.3 61.9
103 54.6 43.7 65.5



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





#71

Bromoform

Concen: 18.242 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion:173 Resp: 49225

Ion Ratio Lower Upper

173 100

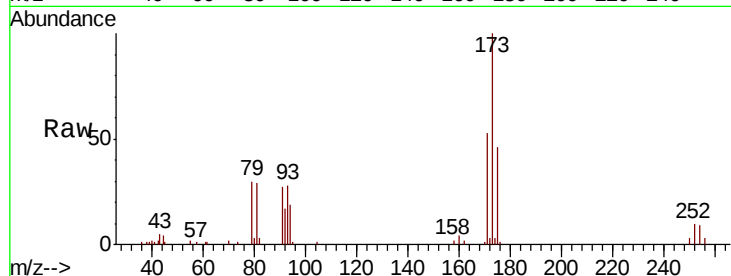
175 46.5 23.5 70.6

254 0.0 0.1 0.1#

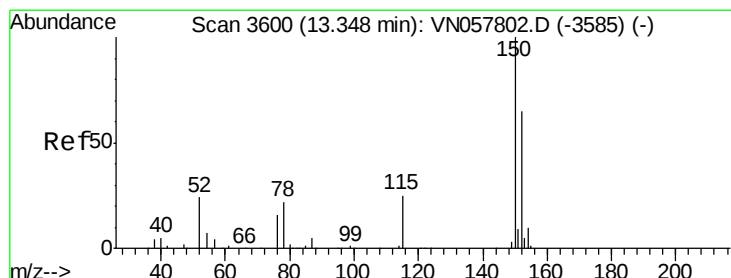
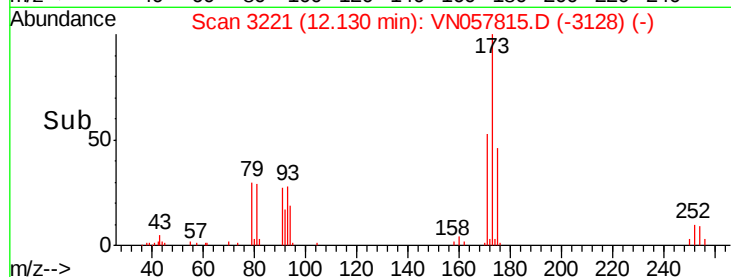
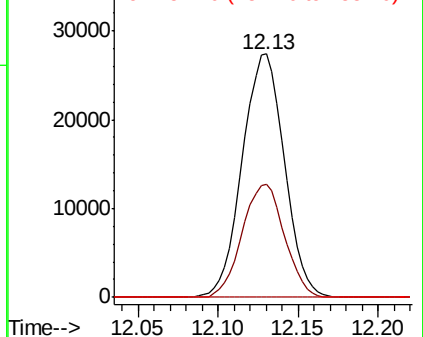
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

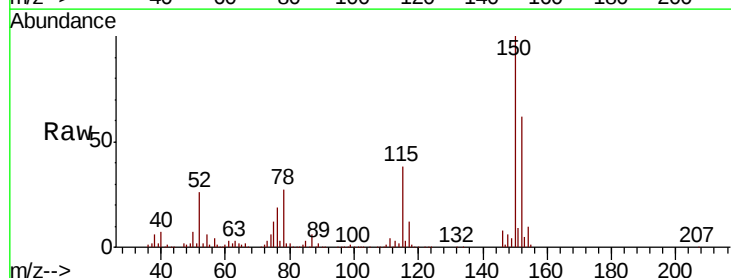
Tgt Ion:152 Resp: 269037

Ion Ratio Lower Upper

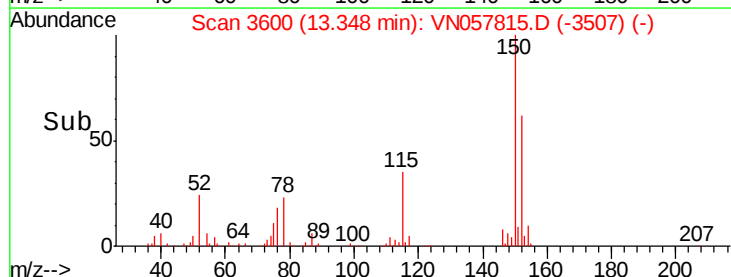
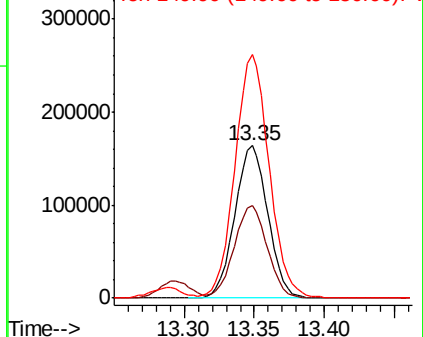
152 100

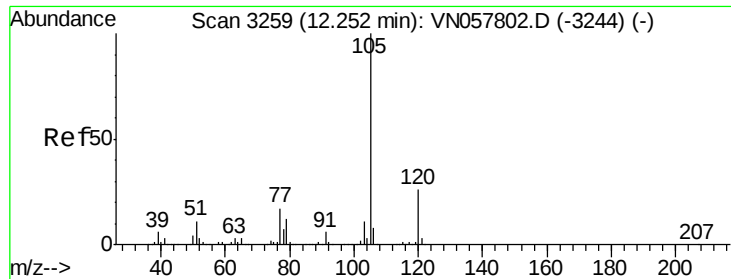
115 60.6 30.3 91.0

150 164.9 0.0 352.4



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





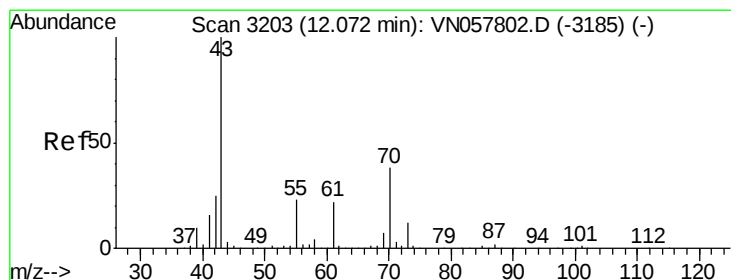
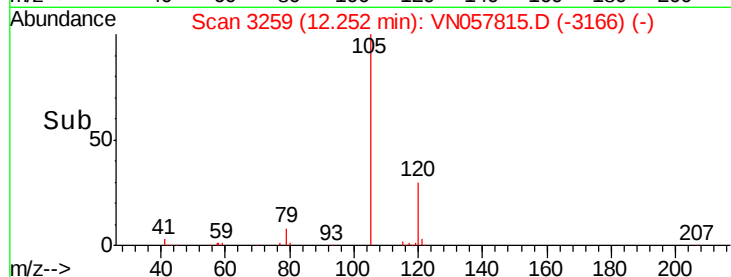
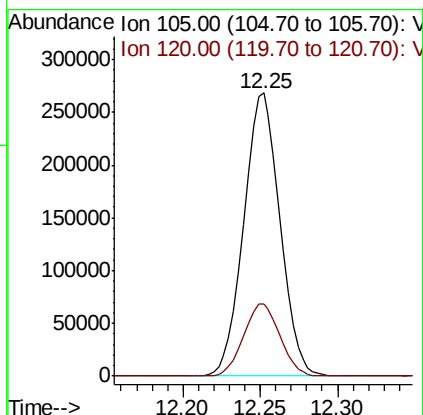
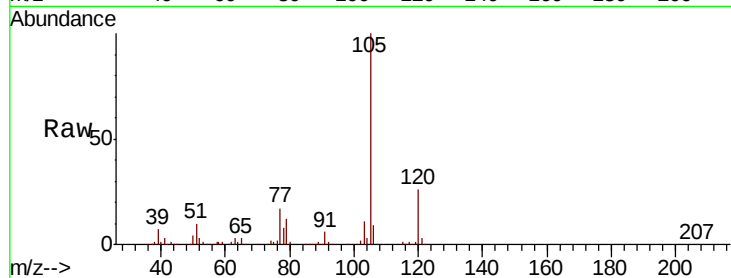
#73
Isopropylbenzene
Concen: 20.937 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

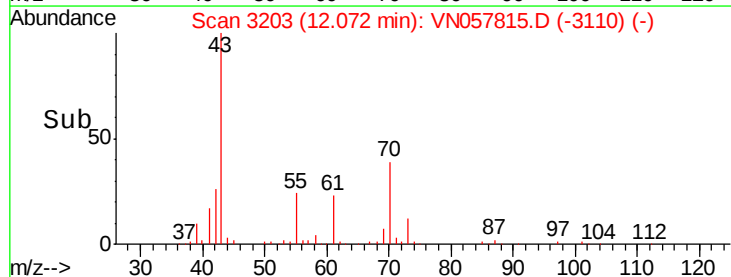
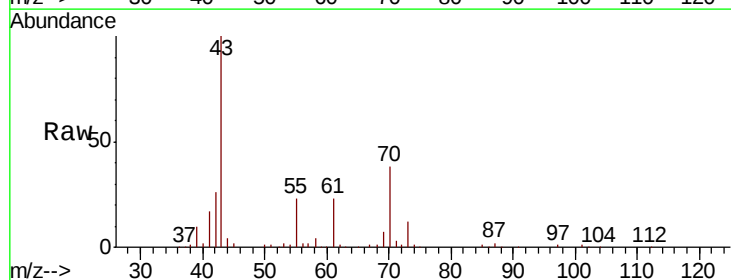
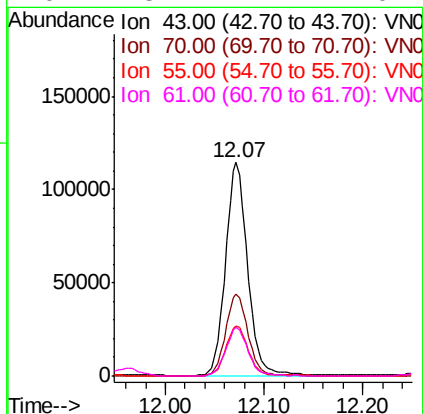
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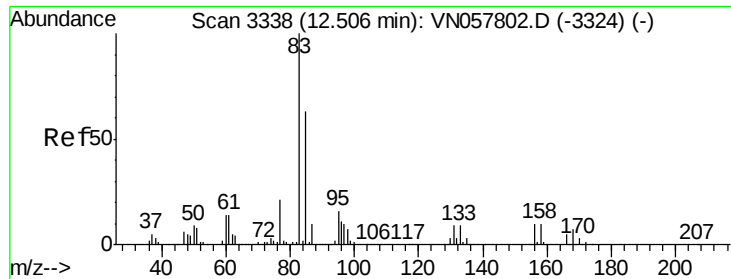
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#74
N-ethyl acetate
Concen: 19.813 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.4	30.6	45.8
55	23.7	18.6	27.8
61	23.1	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.016 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

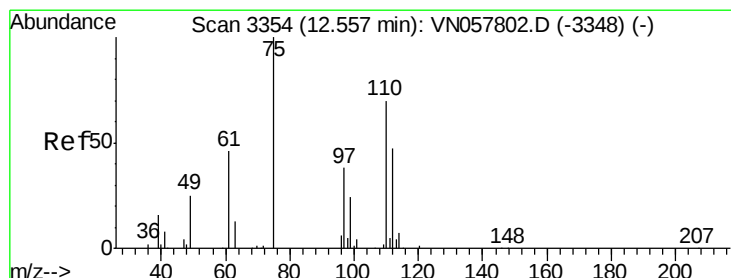
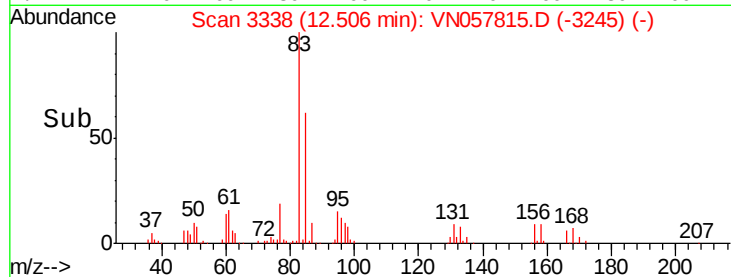
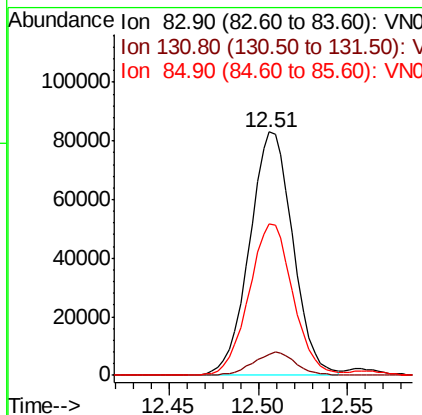
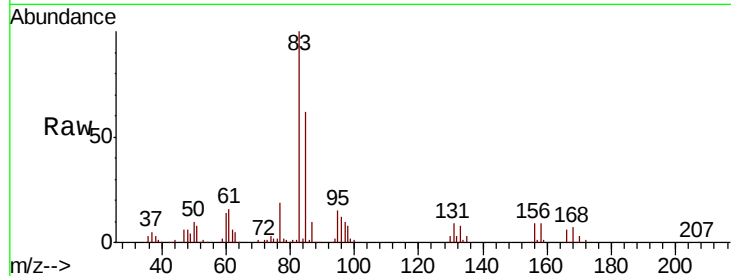
ClientSampleId :

VN0910WBS01

Tot Ion:	83	Resp:	140692
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.2	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 18.926 ug/l m

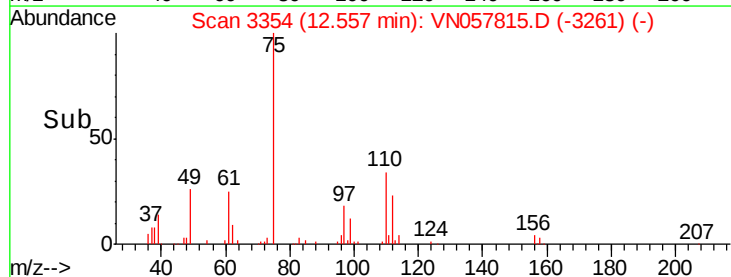
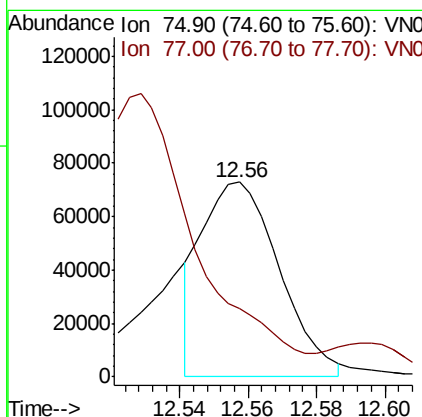
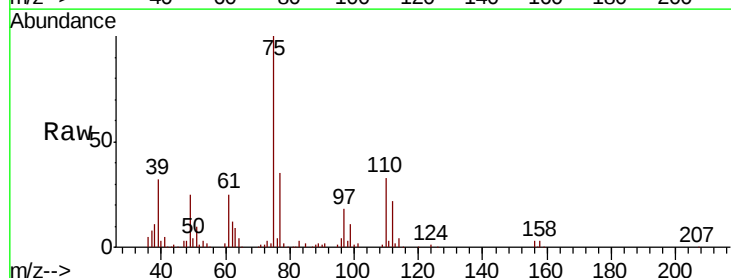
RT: 12.56 min Scan# 3354

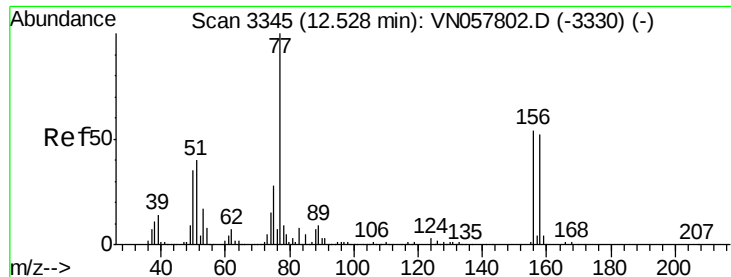
Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Tgt Ion:	75	Resp:	115186
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.008 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion:156 Resp: 98938

Ion Ratio Lower Upper

156 100

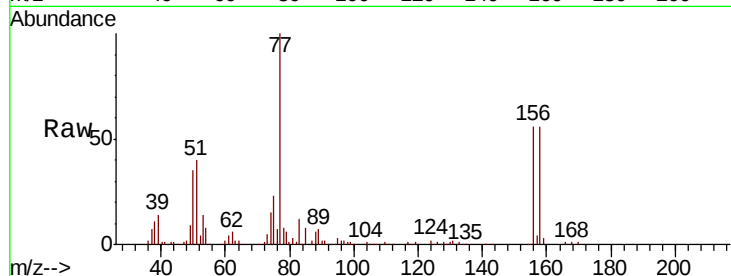
77 225.2 113.7 341.1

158 101.0 48.5 145.6

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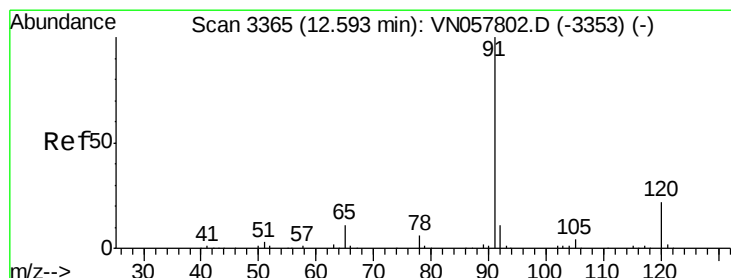
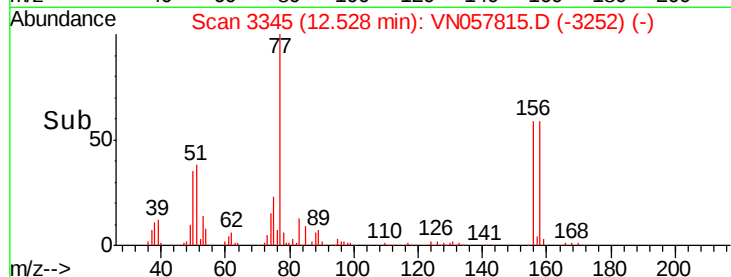
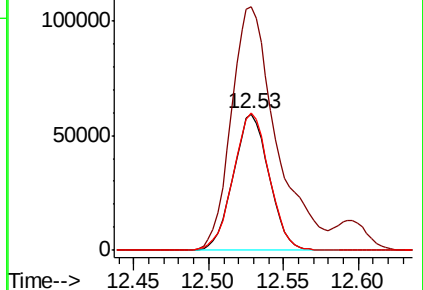
9/13/2019 5:16:17 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.833 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057815.D

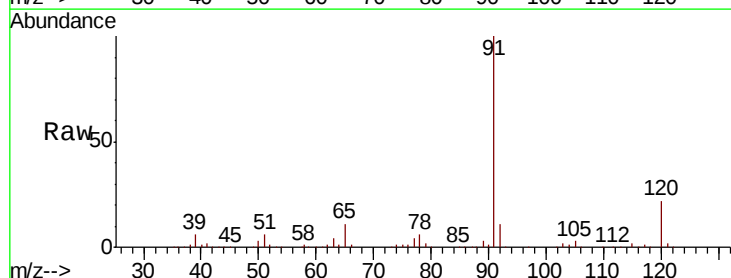
Acq: 9 Sep 2019 20:57

Tgt Ion: 91 Resp: 499427

Ion Ratio Lower Upper

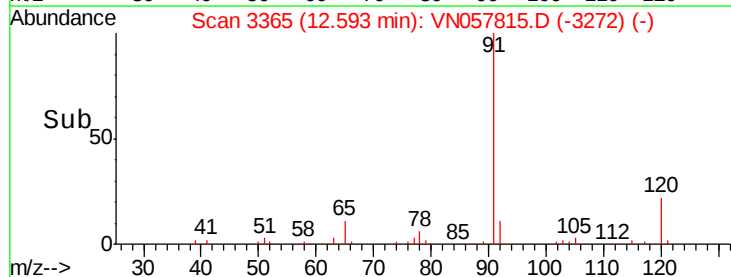
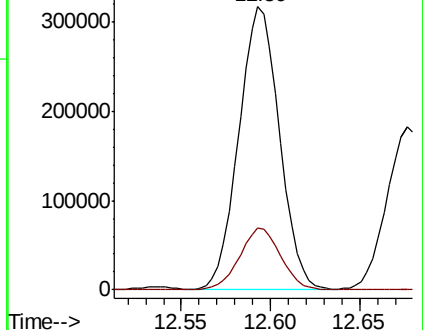
91 100

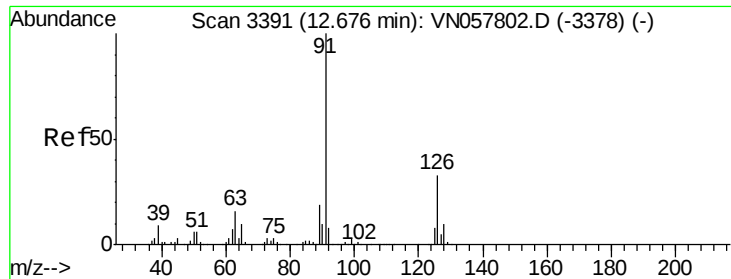
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.739 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS01

Tot Ion: 91 Resp: 299078

Ion Ratio Lower Upper

91 100

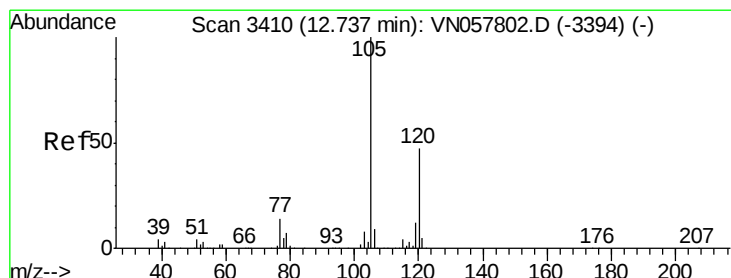
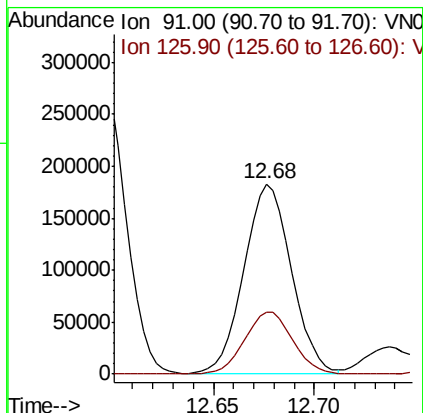
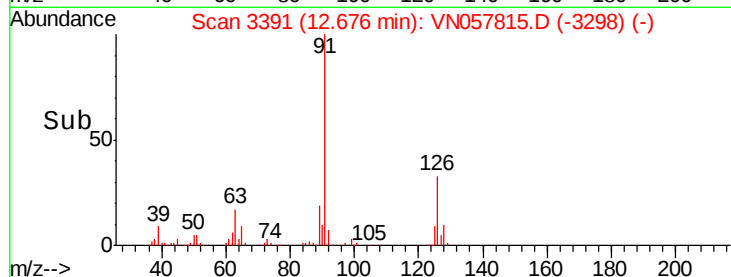
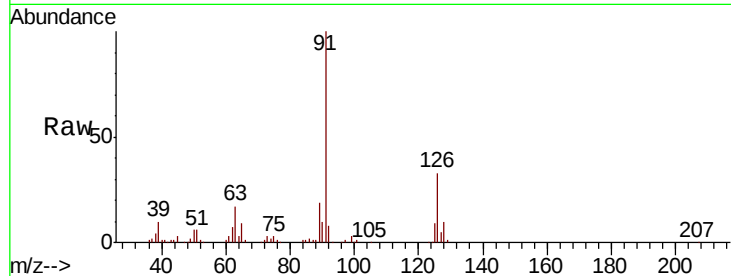
126 33.1 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.863 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057815.D

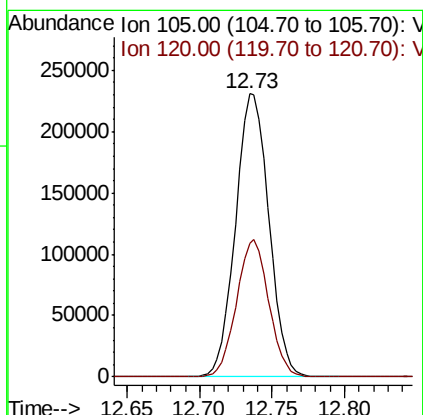
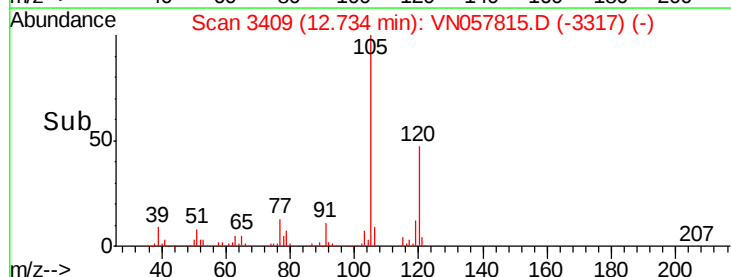
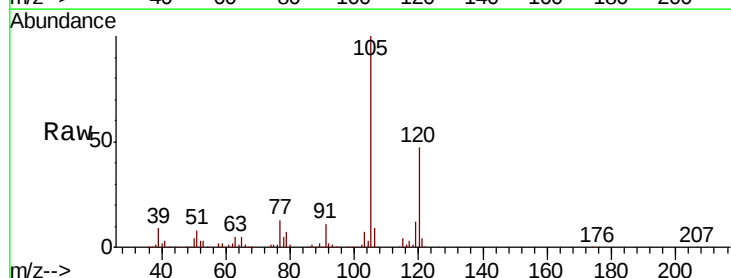
Acq: 9 Sep 2019 20:57

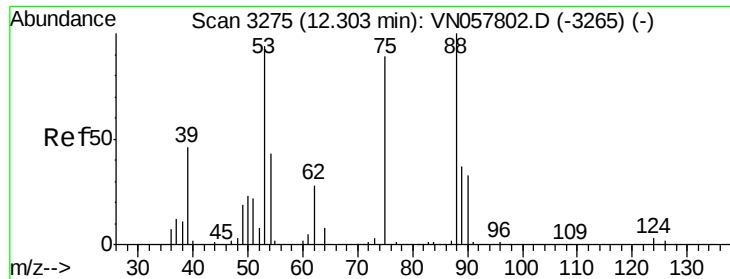
Tgt Ion: 105 Resp: 368007

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 16.995 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

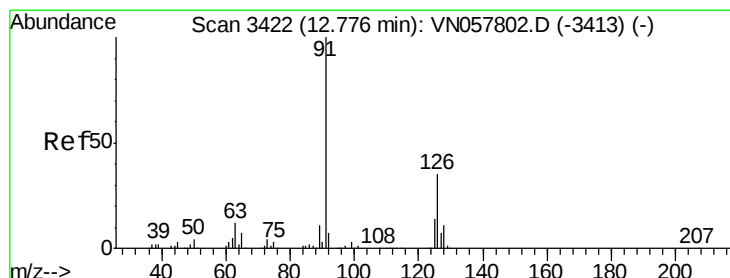
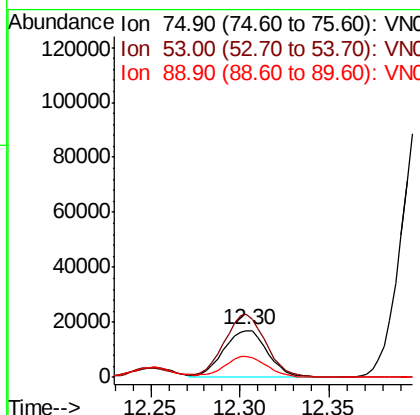
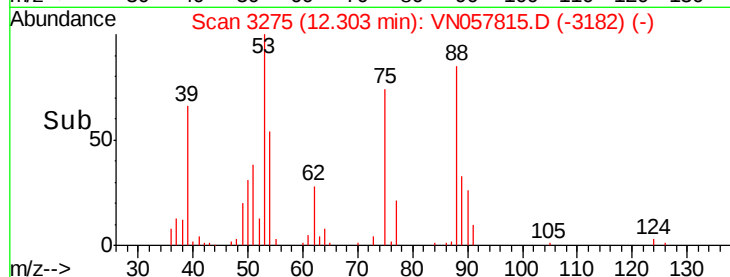
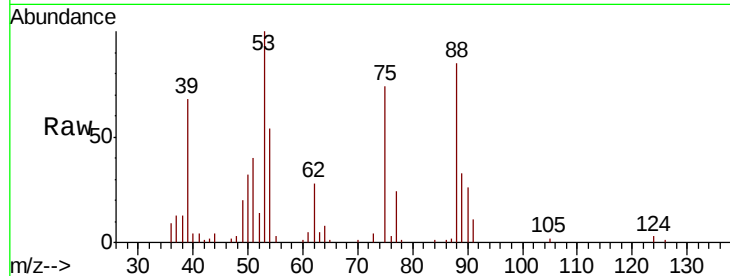
ClientSampleId :

VN0910WBS01

Tot Ion:	75	Resp:	29392
Ion	Ratio	Lower	Upper
75	100		
53	127.7	88.4	132.6
89	42.5	35.3	52.9

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#82

4-Chlorotoluene

Concen: 19.971 ug/l

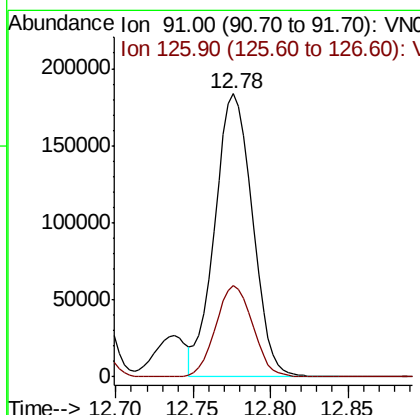
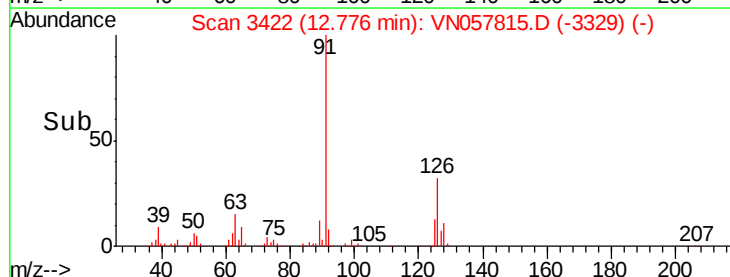
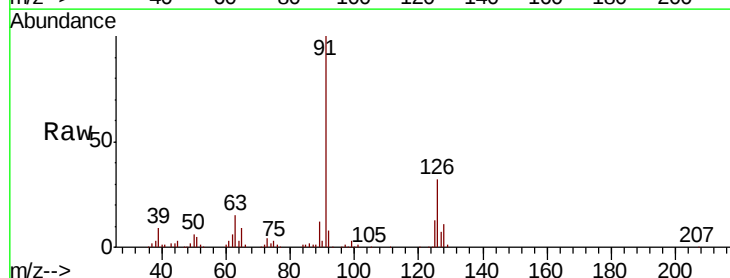
RT: 12.78 min Scan# 3422

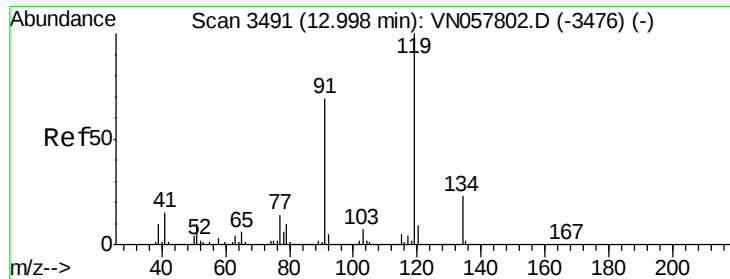
Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Tgt Ion:	91	Resp:	310739
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	48.0





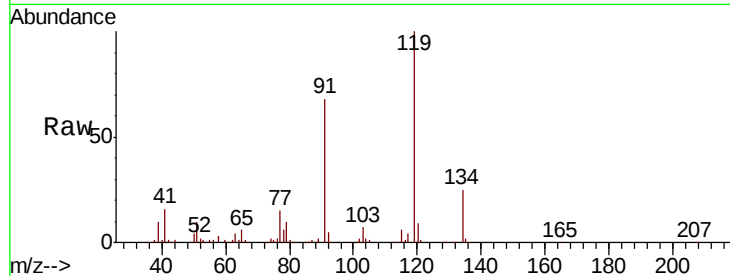
#83
 tert-Butylbenzene
 Concen: 20.275 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	317901		
91	67.9	33.6	100.8	
134	26.3	11.7	35.0	

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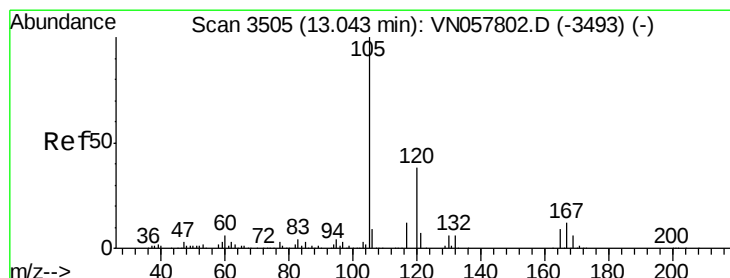
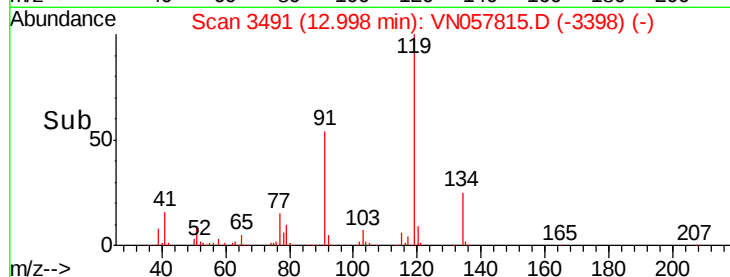
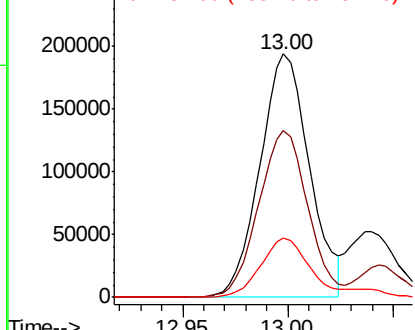


Abundance

Ion 119.00 (118.70 to 119.70): V

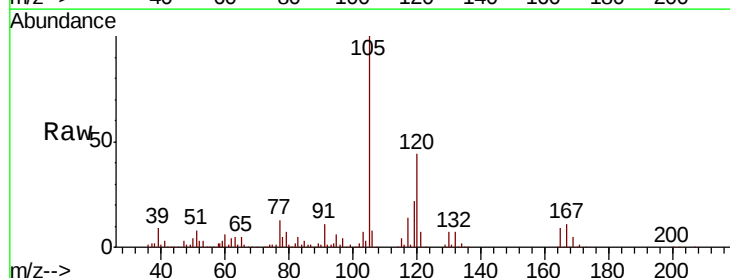
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 20.799 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

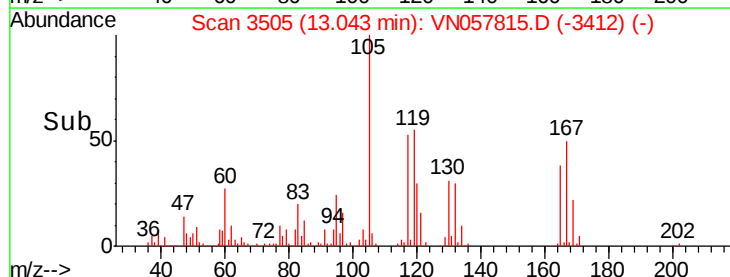
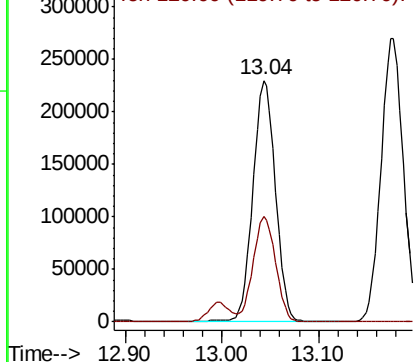
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372874		
120	43.9	22.4	67.2	

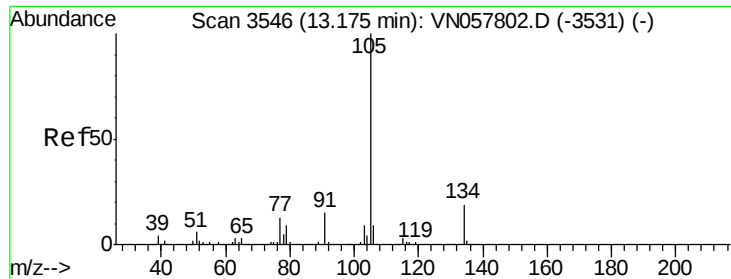


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.715 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS01

Tot Ion:105 Resp: 430514

Ion Ratio Lower Upper

105 100

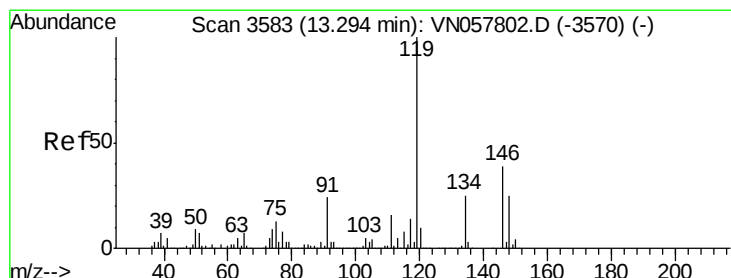
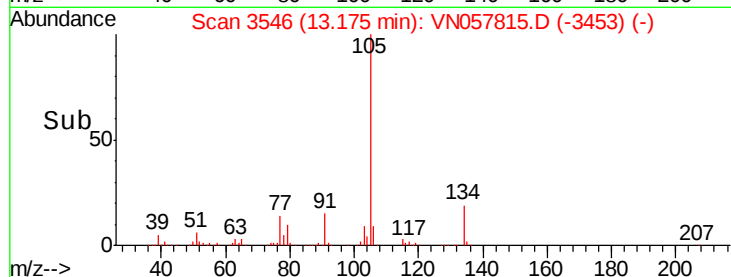
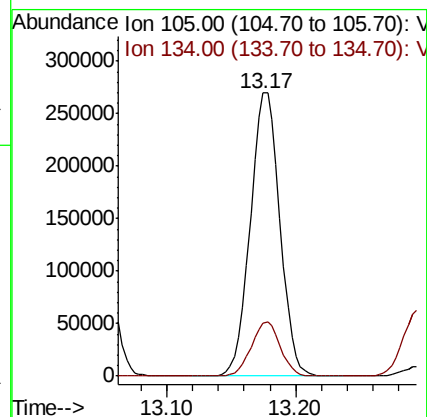
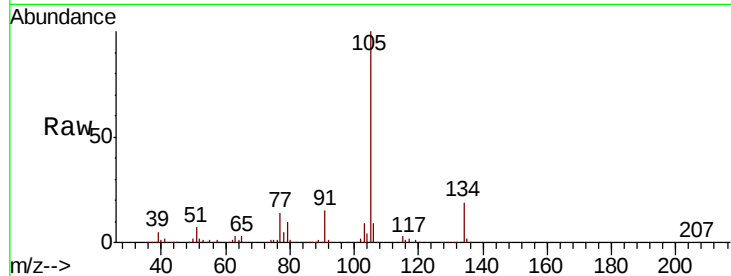
134 18.7 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 20.783 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

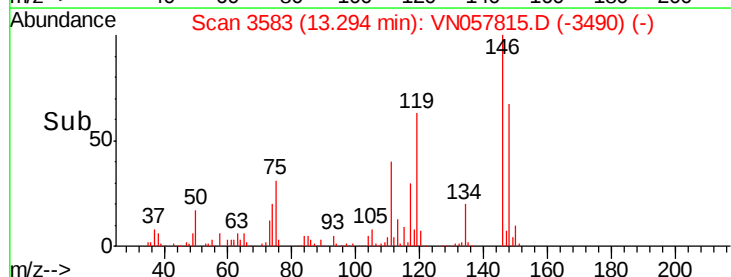
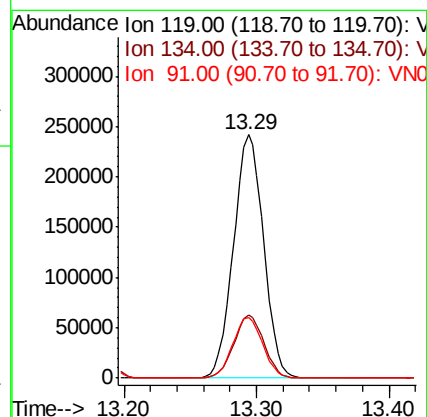
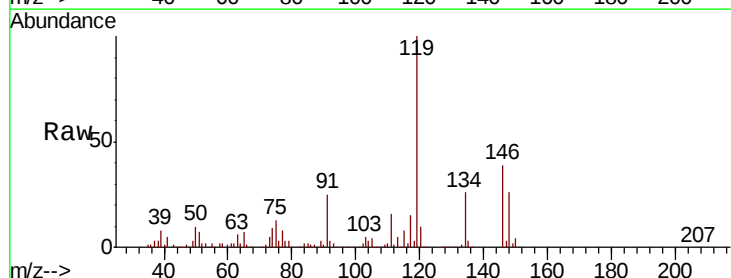
Tgt Ion:119 Resp: 380570

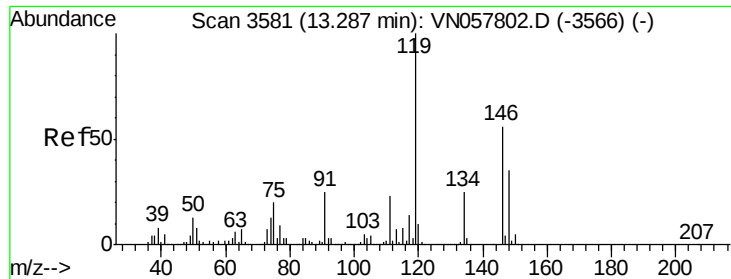
Ion Ratio Lower Upper

119 100

134 26.0 12.5 37.5

91 24.9 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 19.084 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Instrument :

MSVOA_N

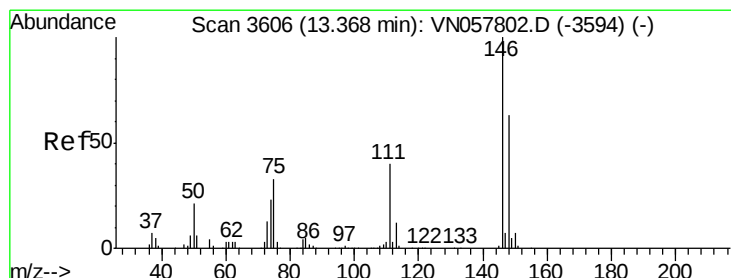
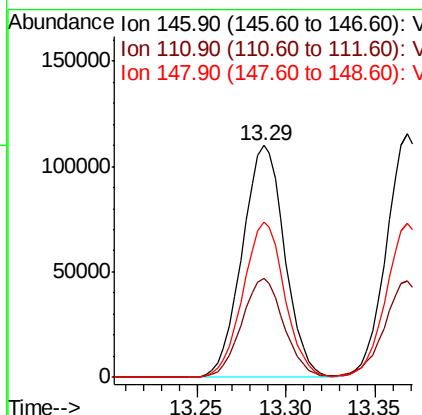
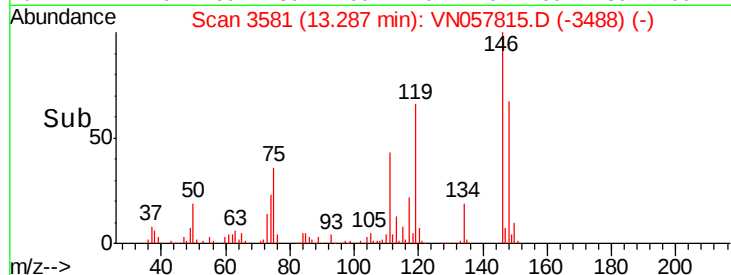
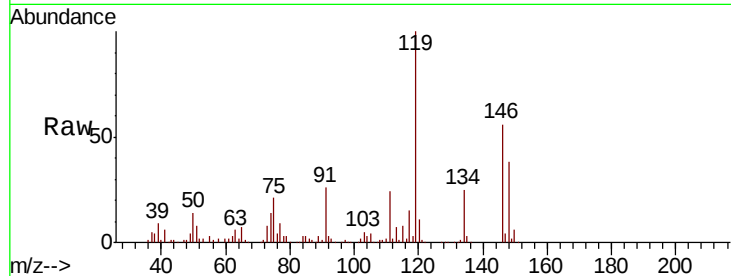
ClientSampleId :

VN0910WBS01

Tot Ion:	146	Resp:	182323
Ion Ratio	Lower	Upper	
146	100		
111	42.4	20.5	61.6
148	65.9	31.5	94.5

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#88

1,4-Dichlorobenzene

Concen: 19.232 ug/l

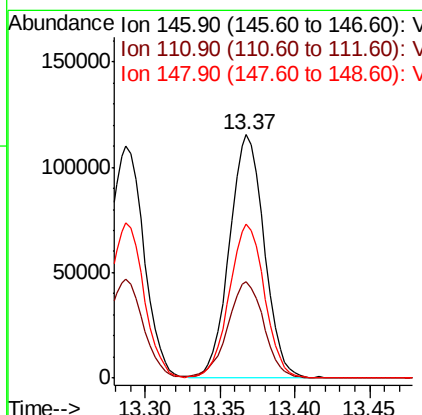
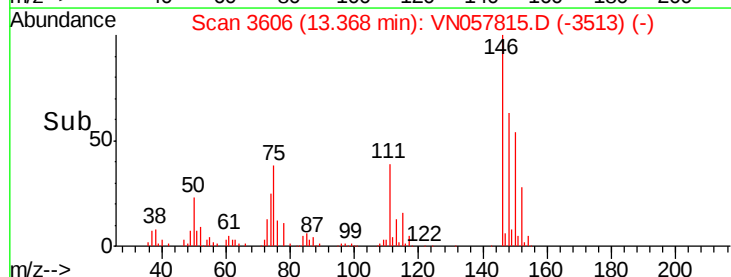
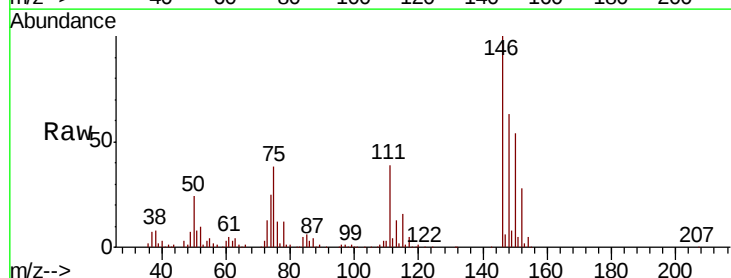
RT: 13.37 min Scan# 3606

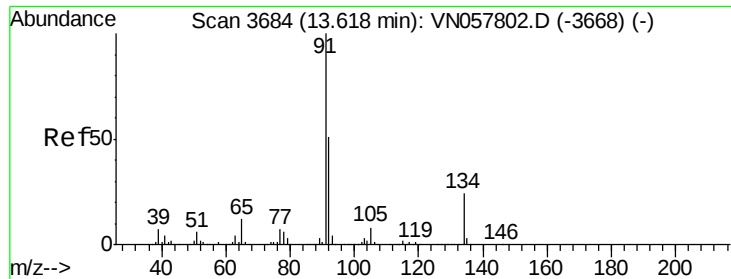
Delta R.T. 0.00 min

Lab File: VN057815.D

Acq: 9 Sep 2019 20:57

Tgt Ion:	146	Resp:	186498
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.4	61.2
148	64.1	31.8	95.4





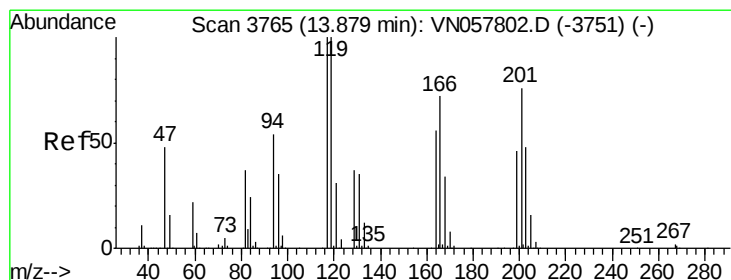
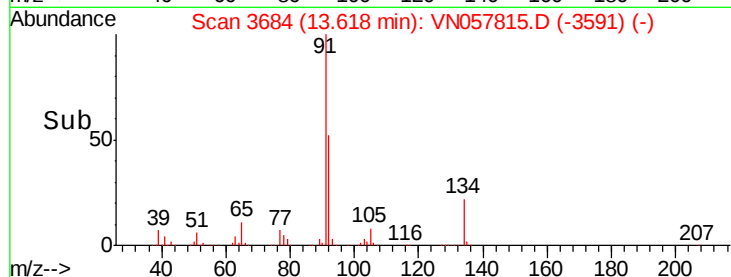
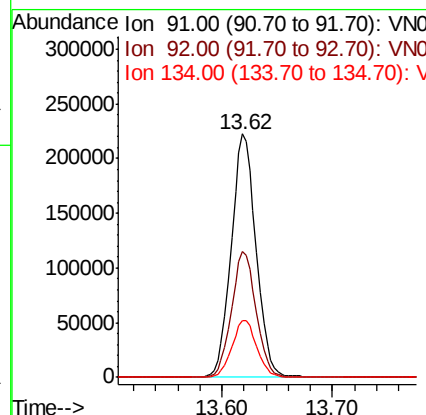
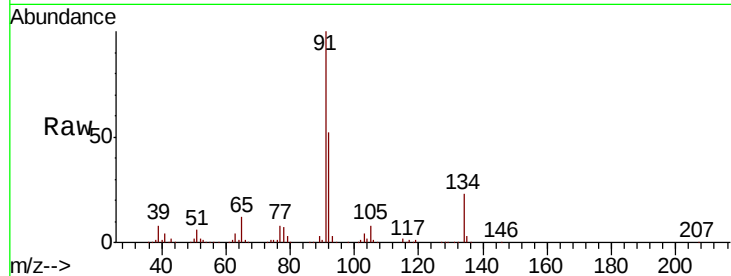
#89
n-Butylbenzene
Concen: 20.077 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.7	77.0
134	23.6	11.9	35.7

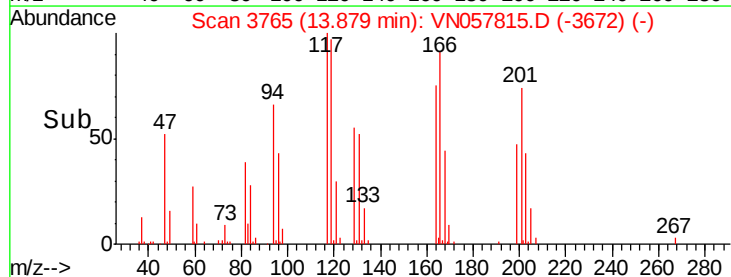
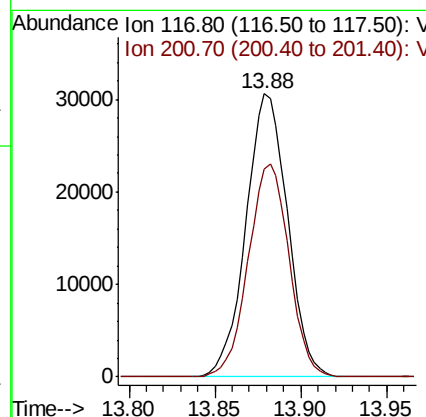
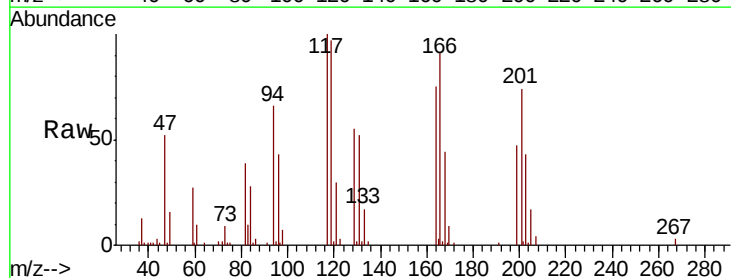
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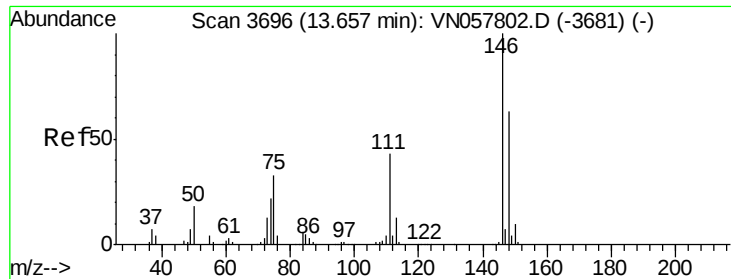
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#90
Hexachloroethane
Concen: 18.879 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	37.5	112.7





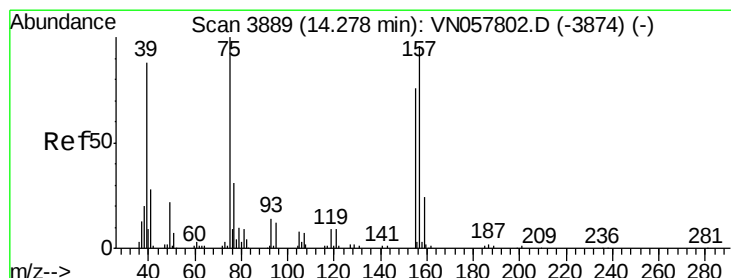
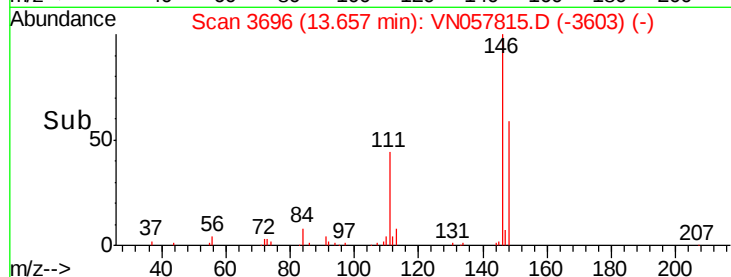
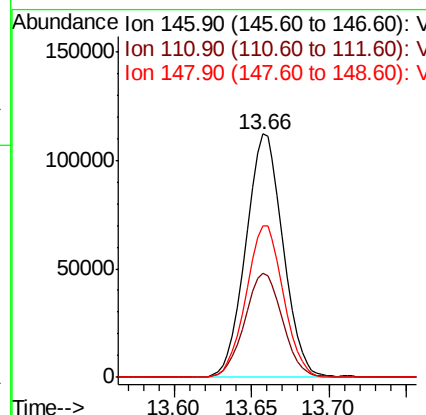
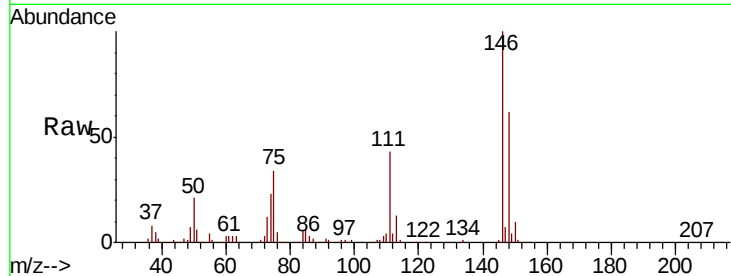
#91
 1,2-Dichlorobenzene
 Concen: 19.707 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.9
148	62.2	31.4	94.3

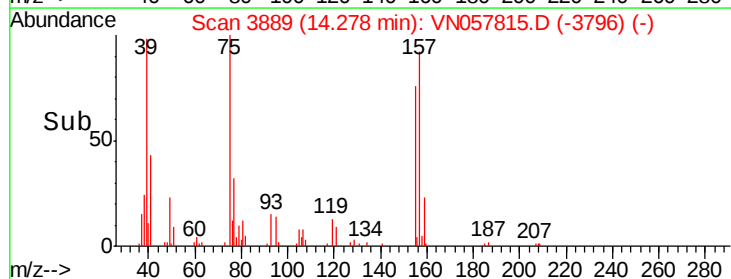
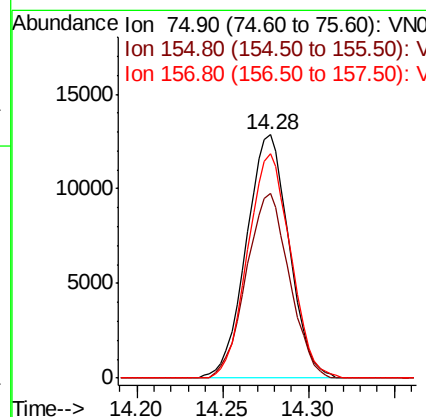
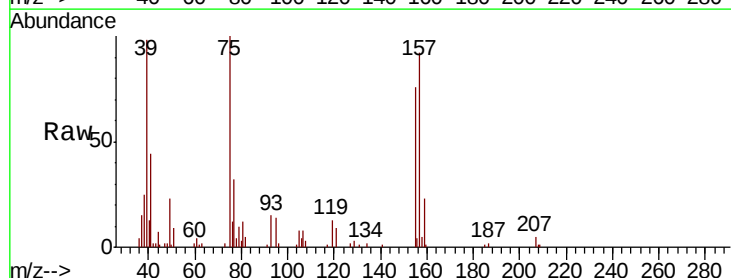
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.120 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	37.3	111.8
157	92.5	47.9	143.8





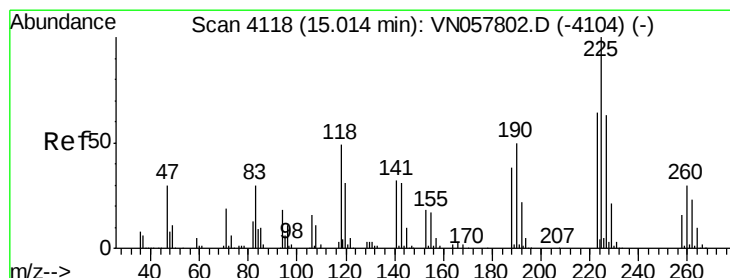
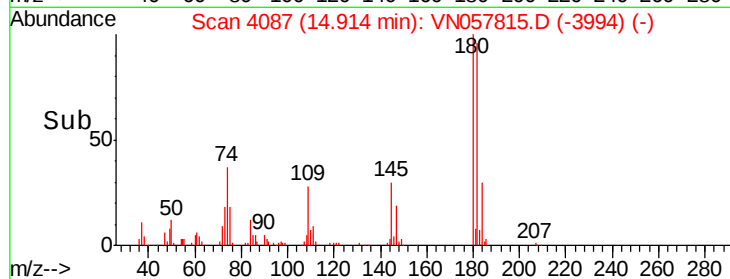
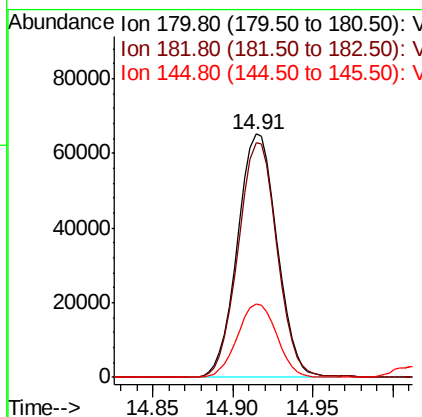
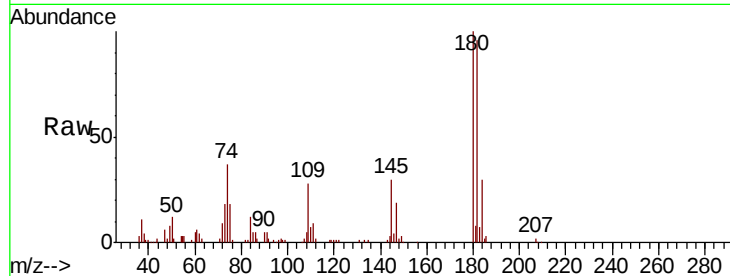
#93
 1,2,4-Trichlorobenzene
 Concen: 17.599 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109793		
182	95.2	46.9	140.8	
145	30.2	14.9	44.7	

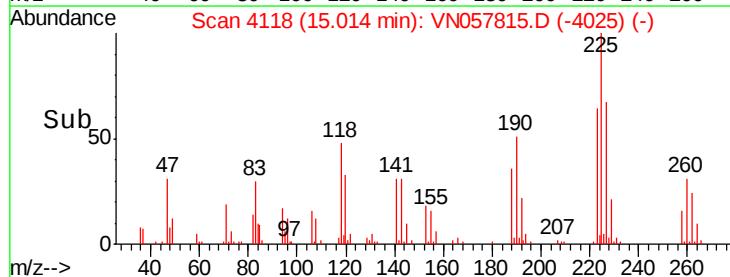
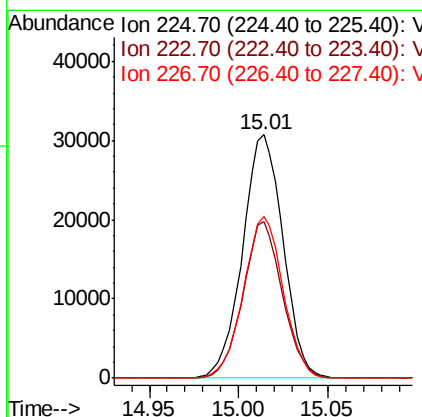
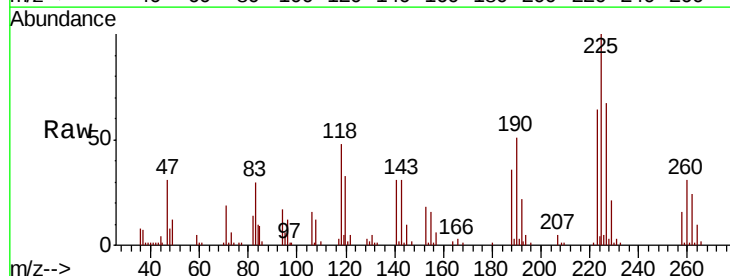
Manual Integrations
 APPROVED

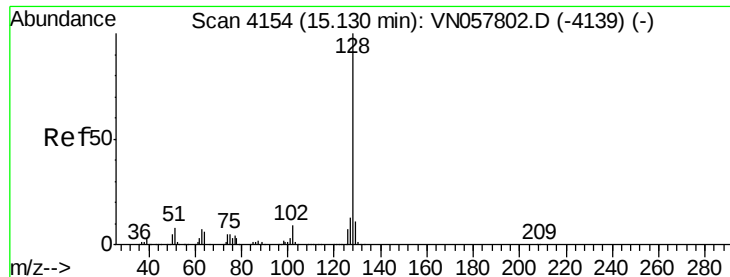
MMDadoda
 9/13/2019 5:16:17 AM



#94
 Hexachlorobutadiene
 Concen: 18.375 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057815.D
 Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48594		
223	62.4	32.4	97.2	
227	65.0	31.8	95.4	





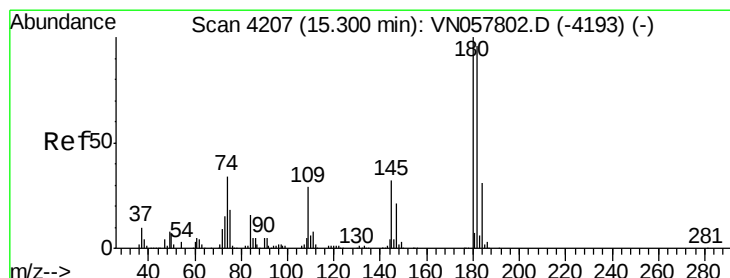
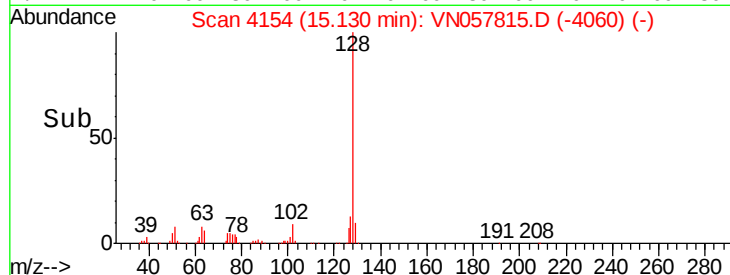
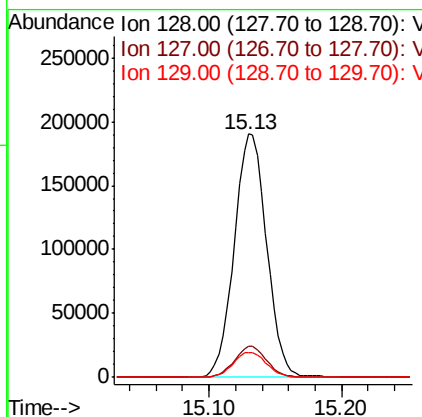
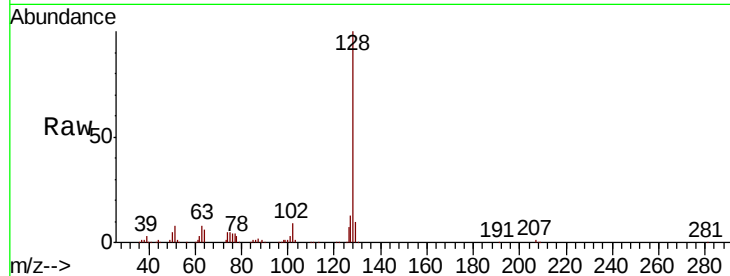
#95
Naphthalene
Concen: 19.563 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.064 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057815.D
Acq: 9 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.3	144.8
145	32.3	16.3	48.8

