

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058403.D
 Acq On : 27 Sep 2019 12:39
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:40 AM

Quant Time: Sep 27 23:35:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	495085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	838310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	370079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	724932	104.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.12%	
35) Dibromofluoromethane	7.57	113	527964	103.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.00%	
50) Toluene-d8	10.08	98	2053569	103.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.18%	
62) 4-Bromofluorobenzene	12.41	95	767505	104.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	557772	127.840	ug/l	98
3) Chloromethane	2.04	50	588855	138.658	ug/l	99
4) Vinyl Chloride	2.17	62	593328	136.642	ug/l	99
5) Bromomethane	2.53	94	322339	145.392	ug/l	100
6) Chloroethane	2.67	64	342182	121.629	ug/l	99
7) Trichlorofluoromethane	3.00	101	706536	119.283	ug/l	98
8) Diethyl Ether	3.39	74	310019	116.504	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	481116	114.354	ug/l	100
10) Methyl Iodide	3.93	142	613503	160.103	ug/l	100
11) Tert butyl alcohol	4.76	59	411580	502.703	ug/l	98
12) 1,1-Dichloroethene	3.72	96	470393	127.351	ug/l	98
13) Acrolein	3.59	56	157846	1098.946	ug/l	98
14) Allyl chloride	4.30	41	888367	127.362	ug/l	99
15) Acrylonitrile	4.96	53	1247269	560.915	ug/l	99
16) Acetone	3.79	43	1220081	508.627	ug/l	100
17) Carbon Disulfide	4.03	76	1351502	202.639	ug/l	98
18) Methyl Acetate	4.30	43	603824	97.375	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1701732	110.057	ug/l	100
20) Methylene Chloride	4.53	84	547652	114.002	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	529531	132.176	ug/l	99
22) Diisopropyl ether	5.93	45	1918718	112.779	ug/l	99
23) Vinyl Acetate	5.87	43	7129443	596.001	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	1050958	113.853	ug/l	100
25) 2-Butanone	6.81	43	1762219	543.648	ug/l	100
26) 2,2-Dichloropropane	6.80	77	896915	114.873	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	614283	116.975	ug/l	99
28) Bromochloromethane	7.18	49	411313	98.153	ug/l	100
29) Tetrahydrofuran	7.19	42	1116794	553.574	ug/l	99
30) Chloroform	7.36	83	1048736	106.881	ug/l	99
31) Cyclohexane	7.64	56	977797	132.052	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	915156	120.952	ug/l	99
36) 1,1-Dichloropropene	7.78	75	828087	127.829	ug/l	99
37) Ethyl Acetate	6.91	43	732651	114.055	ug/l	99
38) Carbon Tetrachloride	7.76	117	783954	123.212	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	964790	137.863	ug/l	99
40) Benzene	8.03	78	2330146	119.923	ug/l	100
41) Methacrylonitrile	7.15	41	331524	109.248	ug/l	99
42) 1,2-Dichloroethane	8.11	62	898808	112.335	ug/l	100
43) Isopropyl Acetate	8.15	43	1291194	108.223	ug/l #	90
44) Trichloroethene	8.82	130	584563	122.706	ug/l	99
45) 1,2-Dichloropropane	9.11	63	632573	111.864	ug/l	98
46) Dibromomethane	9.20	93	403673	116.461	ug/l	99
47) Bromodichloromethane	9.39	83	817461	114.582	ug/l	100
48) Methyl methacrylate	9.19	41	614803	113.641	ug/l	100
49) 1,4-Dioxane	9.19	88	174217	2029.703	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3318680	529.476	ug/l	94
52) Toluene	10.15	92	1470617	121.630	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	937509	126.483	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1009826	123.064	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	548044	105.694	ug/l	99
56) Ethyl methacrylate	10.43	69	900274	119.506	ug/l	99
57) 1,3-Dichloropropane	10.71	76	982685	109.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1798234	521.533	ug/l	100
59) 2-Hexanone	10.75	43	2522237	543.166	ug/l	96
60) Dibromochloromethane	10.90	129	601164	120.444	ug/l	99
61) 1,2-Dibromoethane	11.00	107	576432	117.558	ug/l	99
64) Tetrachloroethene	10.63	164	482885	123.780	ug/l	98
65) Chlorobenzene	11.43	112	1530560	112.076	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	555016	113.834	ug/l	100
67) Ethyl Benzene	11.51	91	2717446	115.175	ug/l	94
68) m/p-Xylenes	11.62	106	2115082	237.709	ug/l	87
69) o-Xylene	11.95	106	1020461	117.245	ug/l	98
70) Styrene	11.97	104	1750308	117.996	ug/l	100
71) Bromoform	12.13	173	385493	125.584	ug/l #	99
73) Isopropylbenzene	12.25	105	2648332	110.581	ug/l	97
74) N-amyl acetate	12.07	43	1179336	119.109	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	798737	102.198	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	655387m	97.558	ug/l	
77) Bromobenzene	12.53	156	638631	106.946	ug/l	98
78) n-propylbenzene	12.60	91	3004708	110.332	ug/l	95
79) 2-Chlorotoluene	12.68	91	1895618	111.991	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2290206	113.455	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	257498	124.613	ug/l	98
82) 4-Chlorotoluene	12.78	91	1963691	110.945	ug/l	98
83) tert-Butylbenzene	13.00	119	1936300	108.606	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	2290163	113.941	ug/l	97
85) sec-Butylbenzene	13.18	105	2547890	109.290	ug/l	98
86) p-Isopropyltoluene	13.30	119	2305671	111.491	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	1170575	108.095	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1171747	106.294	ug/l	99
89) n-Butylbenzene	13.62	91	2115801	109.424	ug/l	97
90) Hexachloroethane	13.88	117	389274	121.585	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1143347	106.154	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	163139	116.181	ug/l	97

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VSTDICC100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	718697	106.067	ug/l	100
94) Hexachlorobutadiene	15.02	225	315221	96.081	ug/l	99
95) Naphthalene	15.13	128	1965138	112.165	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	669408	105.184	ug/l	99

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

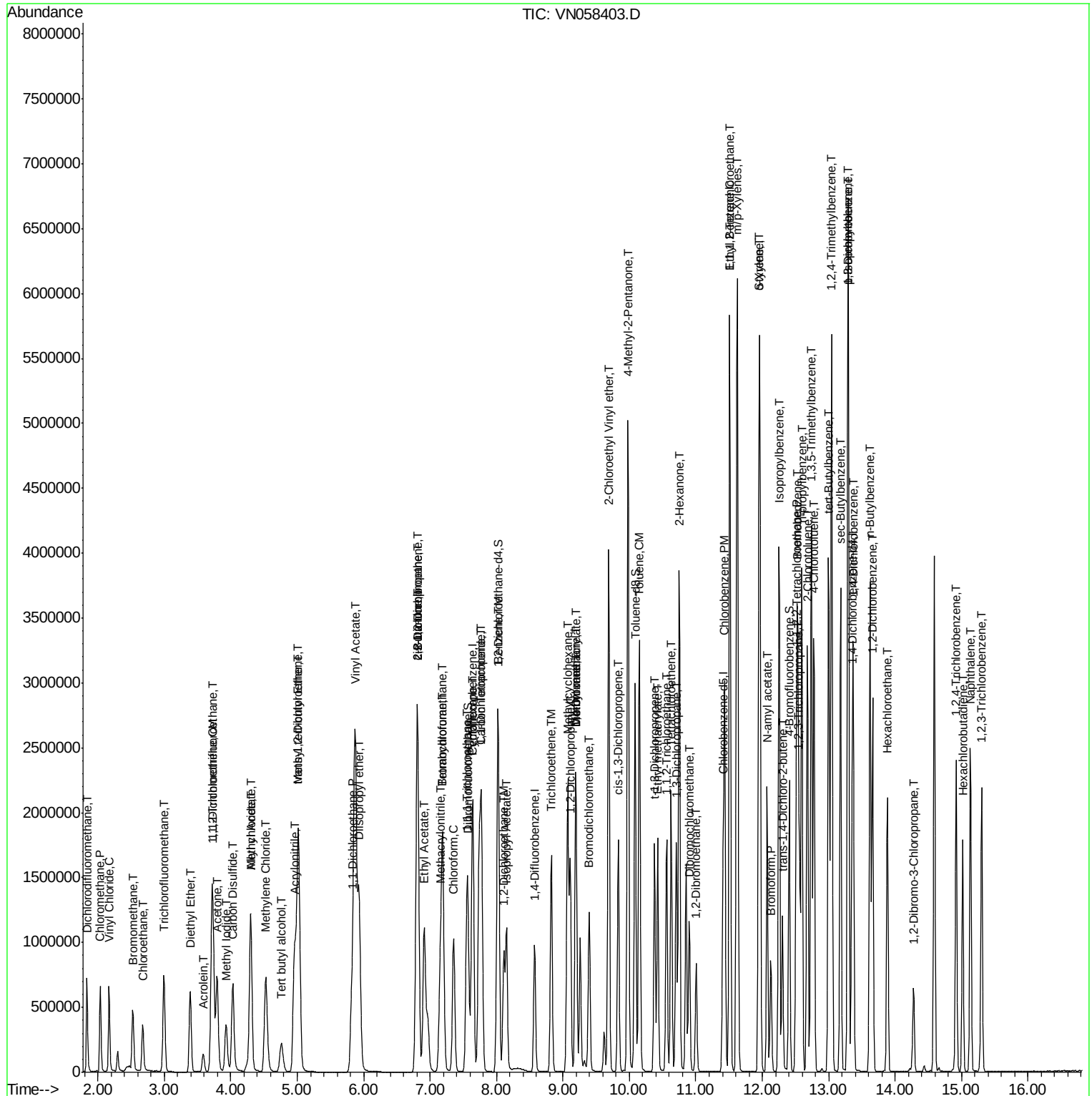
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092719\
Data File : VN058403.D
Acq On : 27 Sep 2019 12:39
Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
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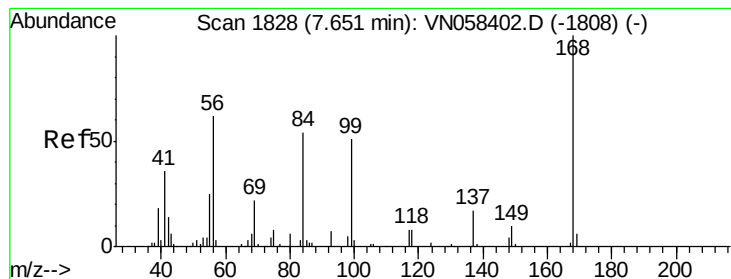
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 495085

Ion Ratio Lower Upper

168 100

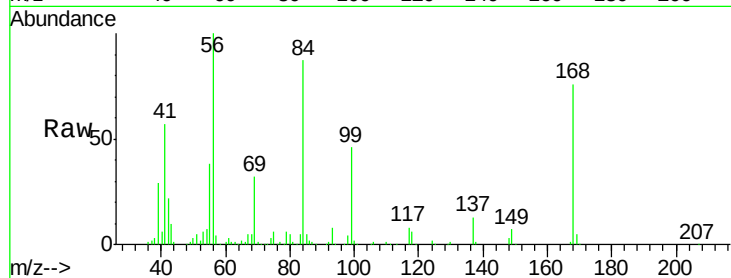
99 60.7 47.7 71.5

Manual Integrations

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9/30/2019 10:18:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

250000

200000

150000

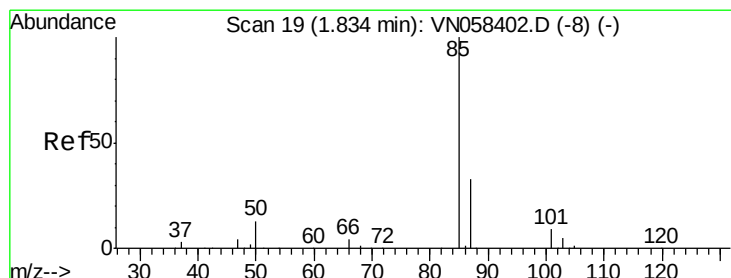
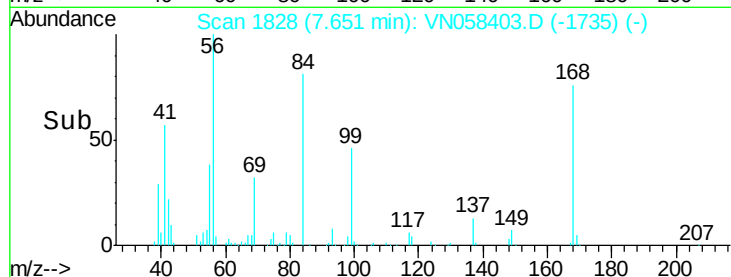
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 127.840 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058403.D

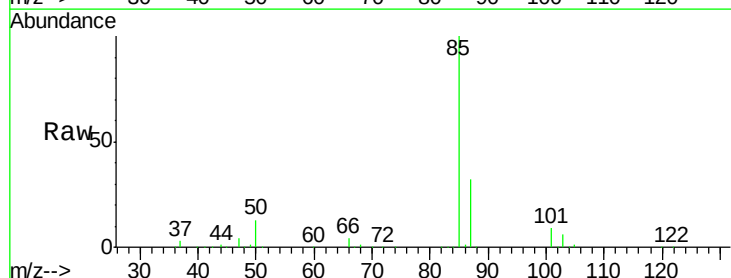
Acq: 27 Sep 2019 12:39

Tgt Ion: 85 Resp: 557772

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

400000

300000

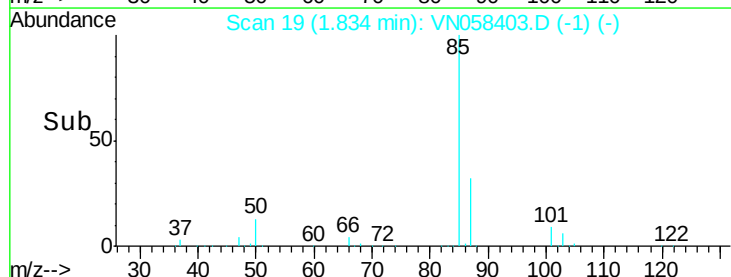
200000

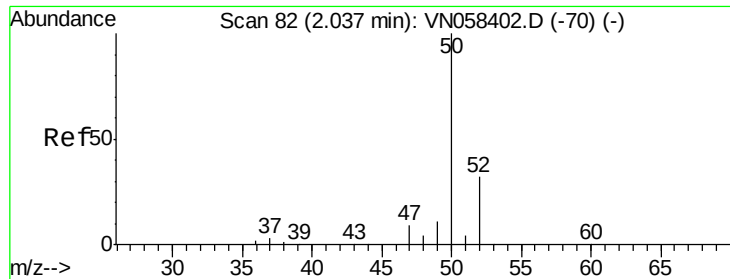
100000

0

1.80 1.85 1.90 2.00

Time-->





#3

Chloromethane

Concen: 138.658 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 588855

Ion Ratio Lower Upper

50 100

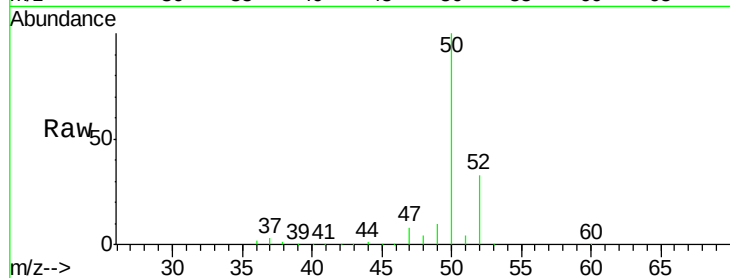
52 32.7 25.9 38.9

Manual Integrations

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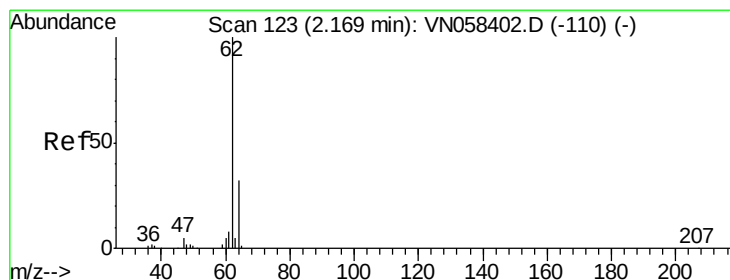
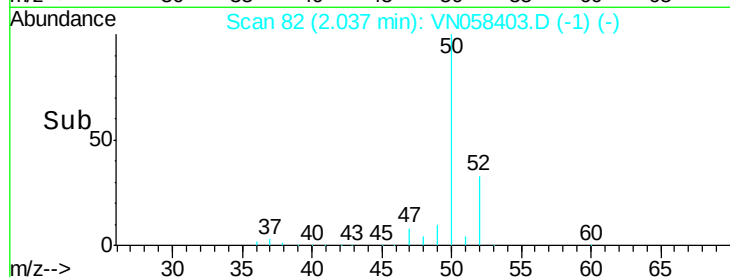
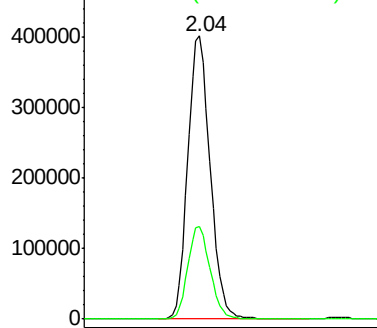
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 136.642 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058403.D

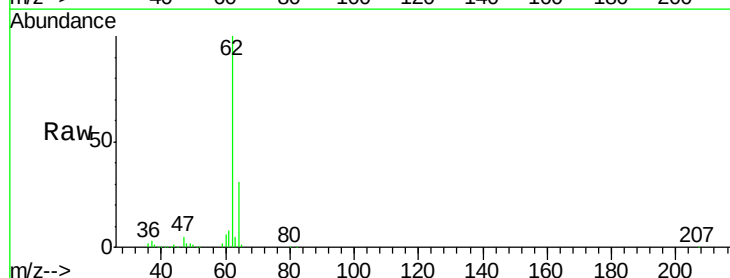
Acq: 27 Sep 2019 12:39

Tgt Ion: 62 Resp: 593328

Ion Ratio Lower Upper

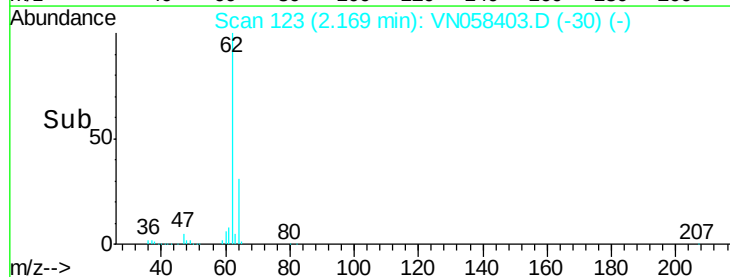
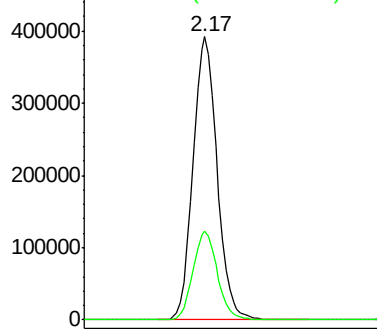
62 100

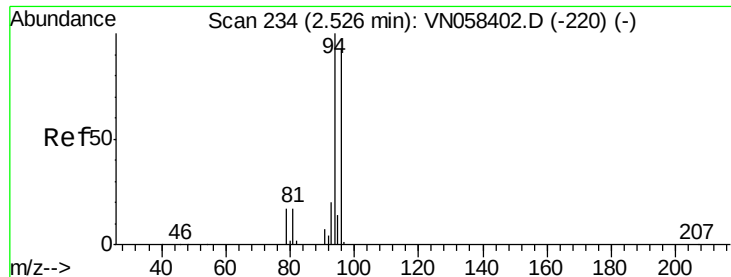
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 145.392 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 322339

Ion Ratio Lower Upper

94 100

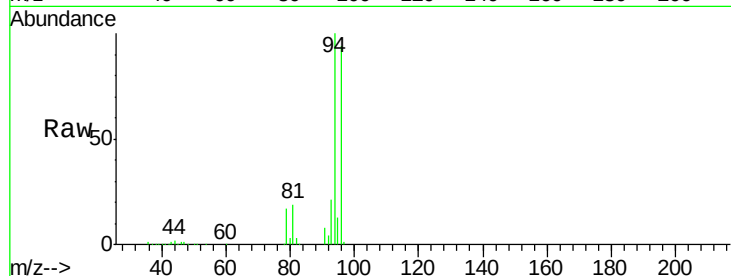
96 93.8 74.8 112.2

Manual Integrations

APPROVED

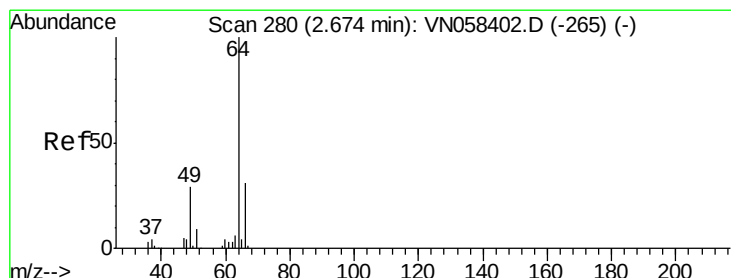
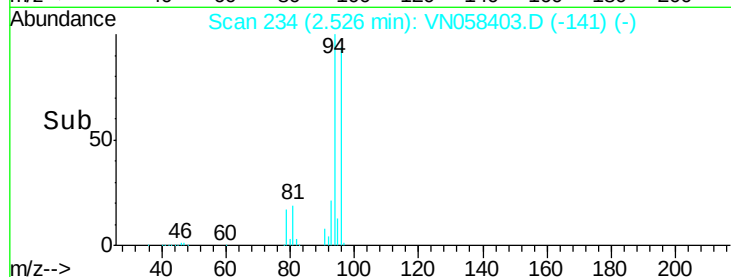
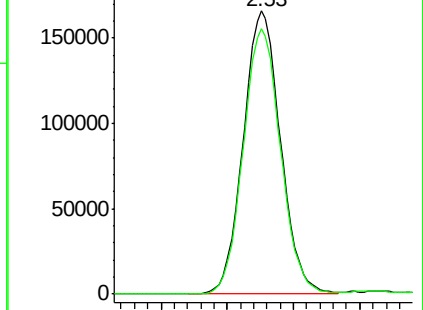
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 121.629 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.00 min

Lab File: VN058403.D

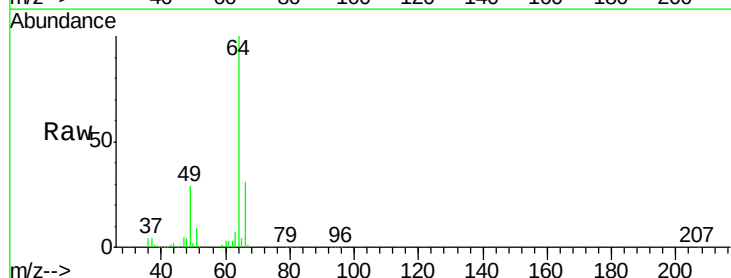
Acq: 27 Sep 2019 12:39

Tgt Ion: 64 Resp: 342182

Ion Ratio Lower Upper

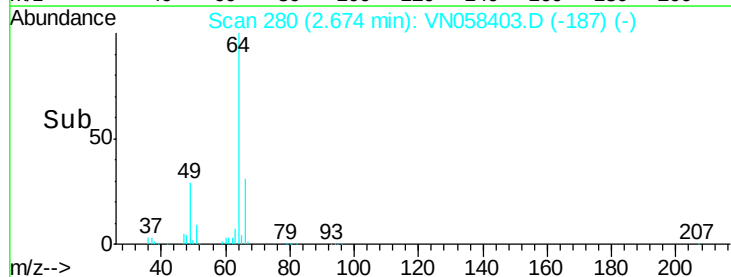
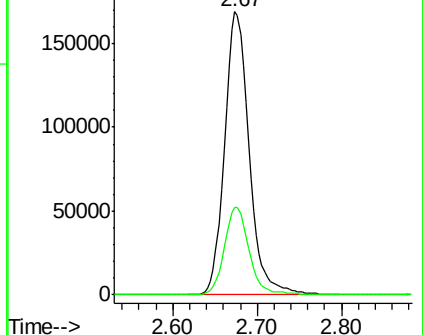
64 100

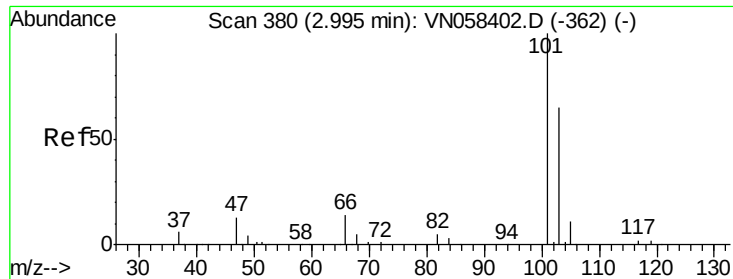
66 30.9 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

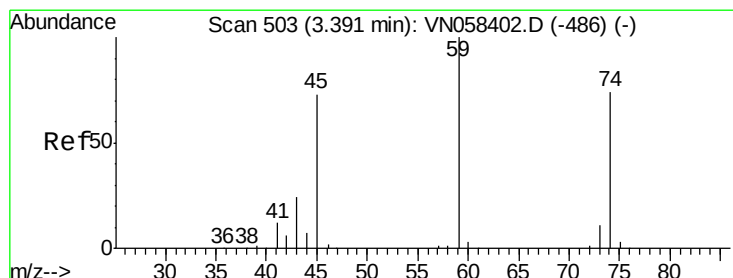
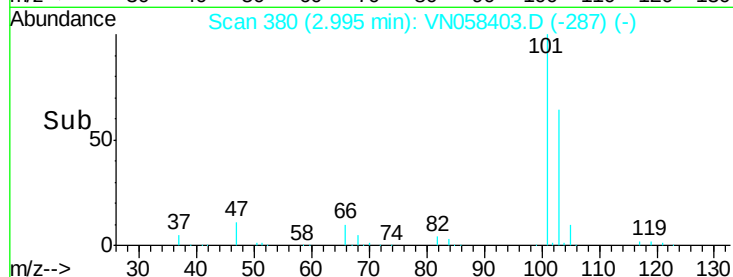
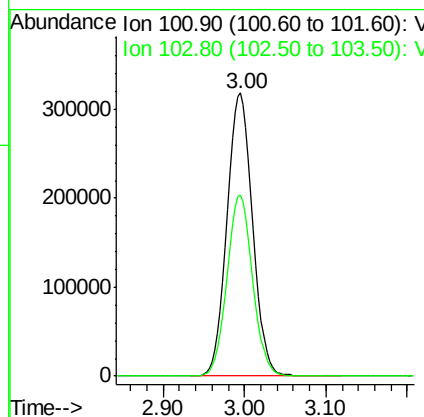
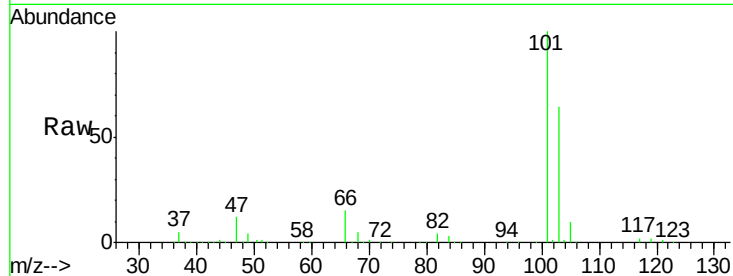
Trichlorofluoromethane
Concen: 119.283 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.3	78.5

Manual Integrations
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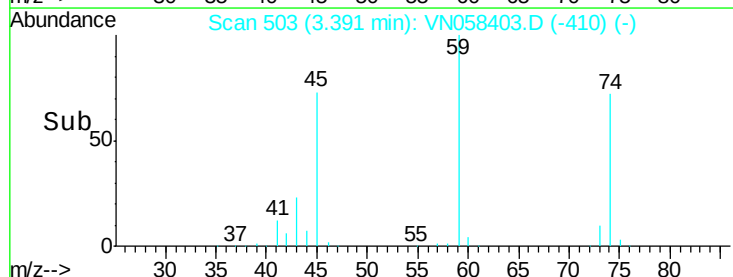
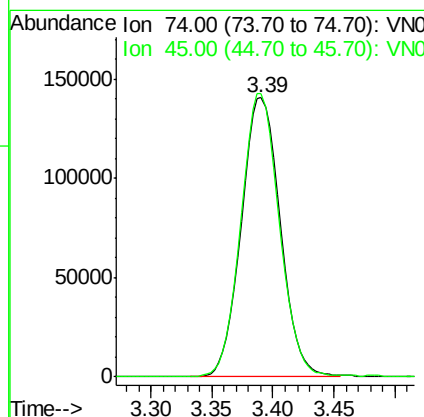
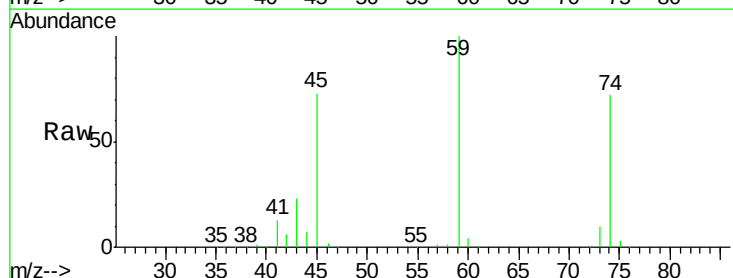
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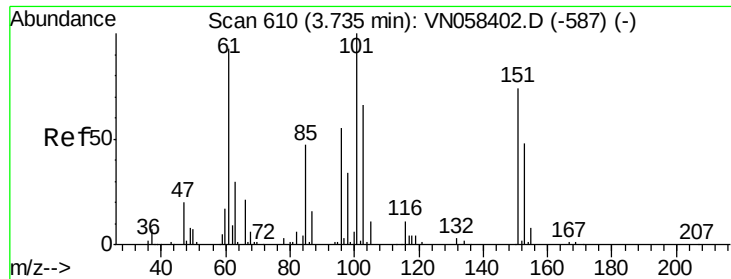


#8

Diethyl Ether
Concen: 116.504 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 114.354 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

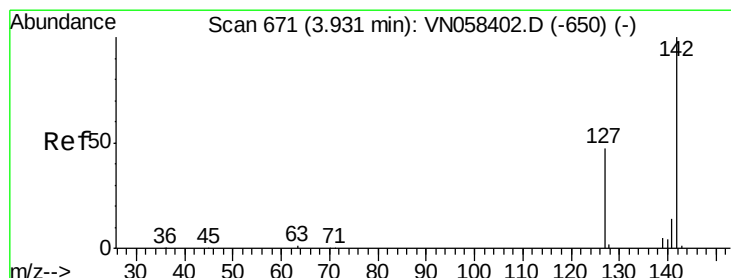
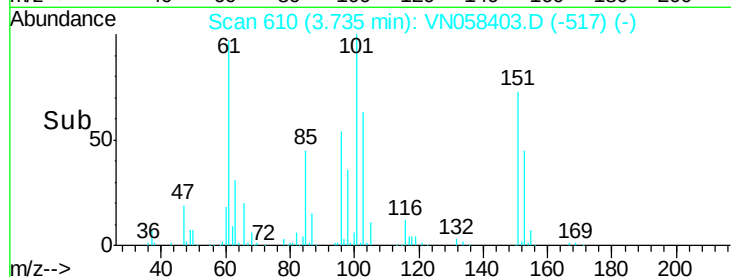
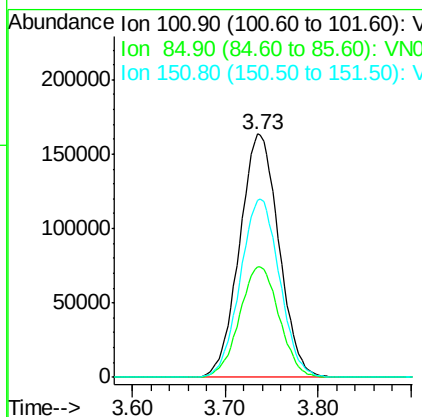
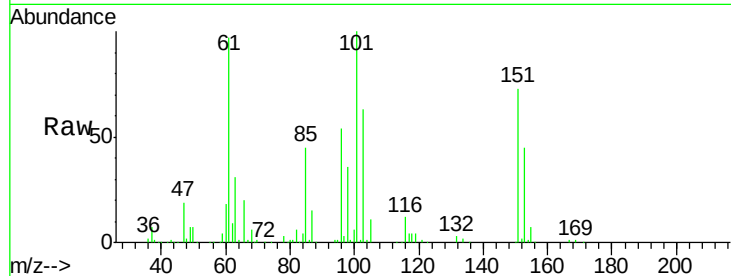
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	481116
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.7	55.1
151	73.6	59.4	89.0

Manual Integrations
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#10

Methyl Iodide

Concen: 160.103 ug/l

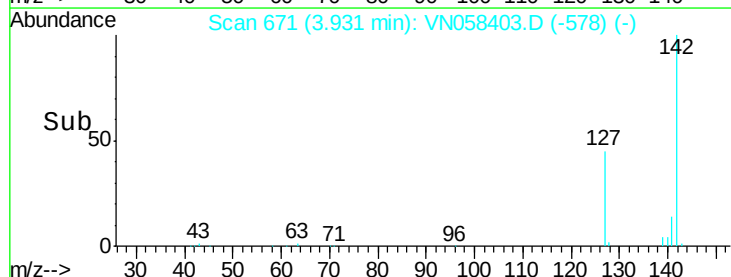
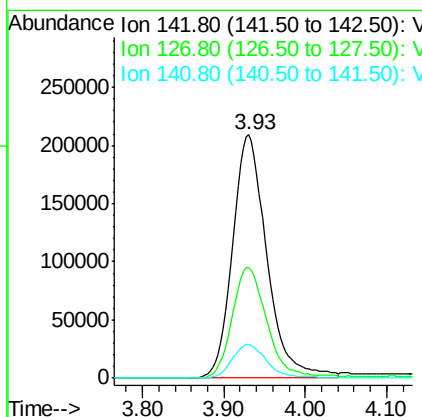
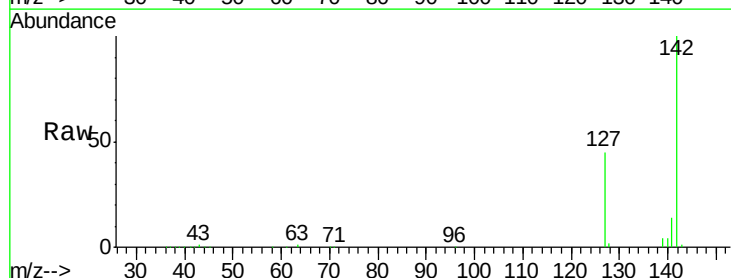
RT: 3.93 min Scan# 671

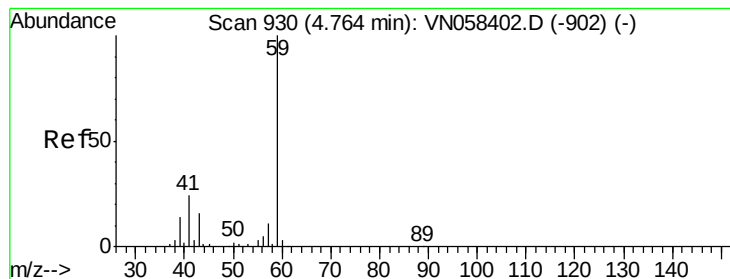
Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Tgt Ion:	142	Resp:	613503
Ion Ratio	Lower	Upper	
142	100		
127	46.2	37.2	55.8
141	14.0	11.3	16.9





#11

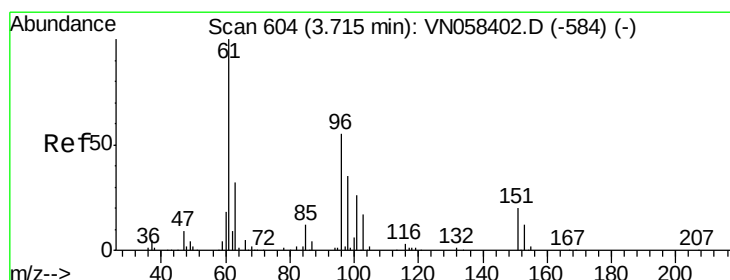
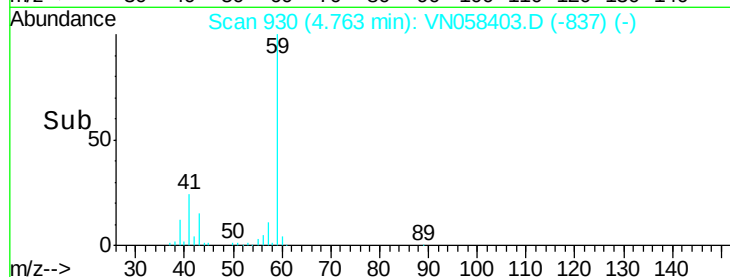
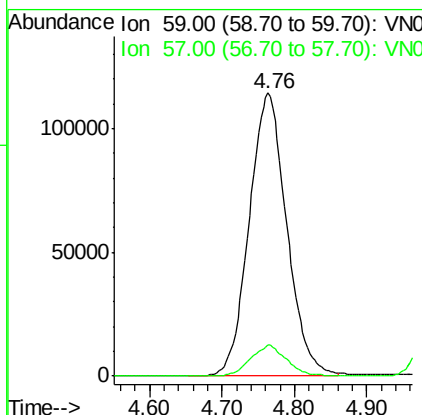
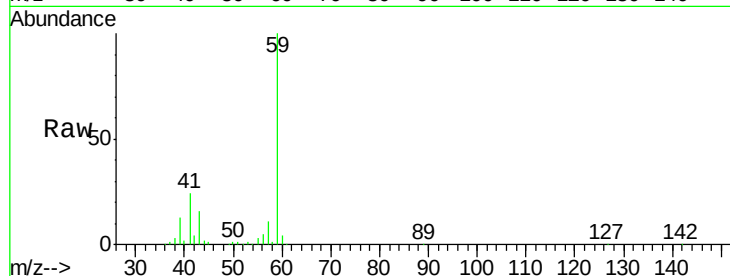
Tert butyl alcohol
 Concen: 502.703 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.4

Manual Integrations
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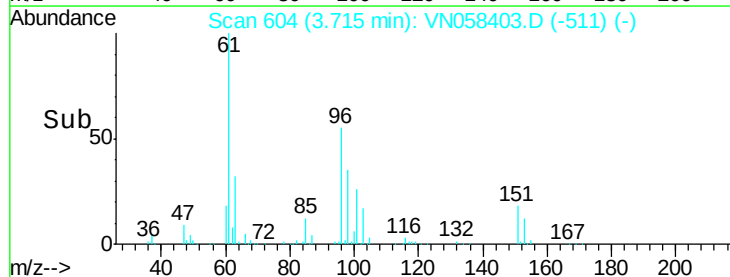
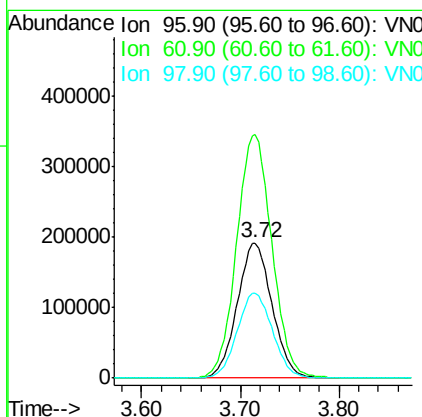
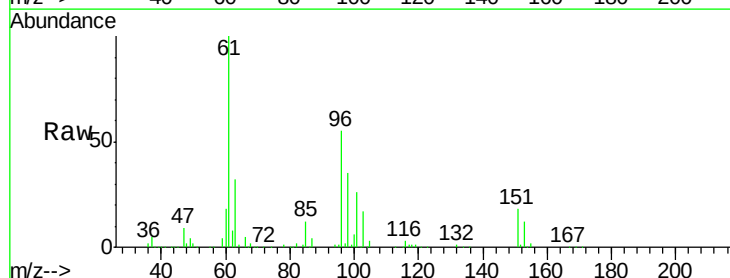
MMDadoda
 9/30/2019 10:18:40 AM

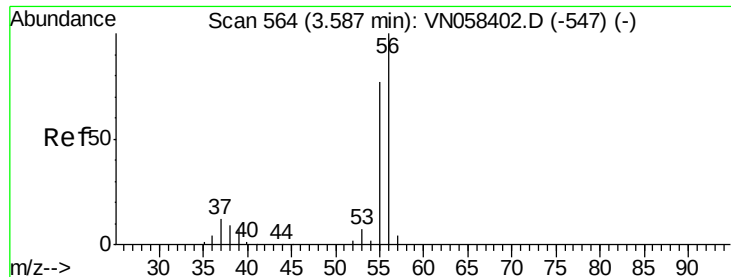


#12

1,1-Dichloroethene
 Concen: 127.351 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.4	146.7	220.1
98	63.1	51.3	76.9





#13

Acrolein

Concen: 1098.946 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 157846

Ion Ratio Lower Upper

56 100

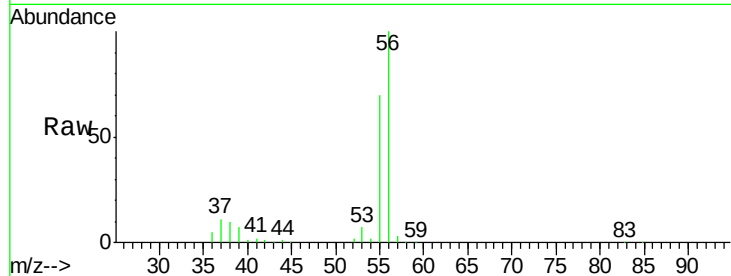
55 70.9 58.3 87.5

Manual Integrations

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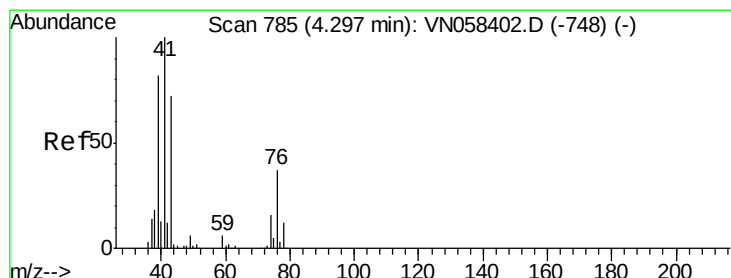
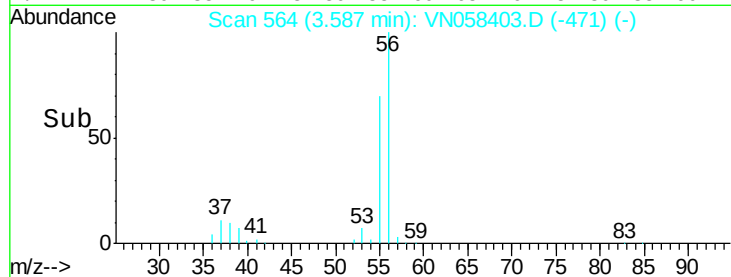
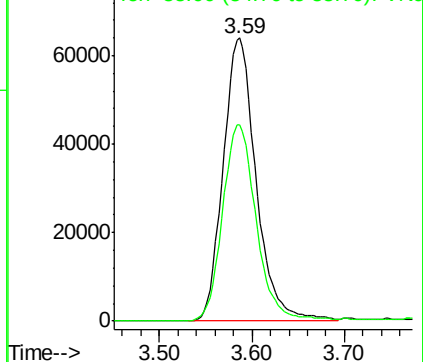
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 127.362 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

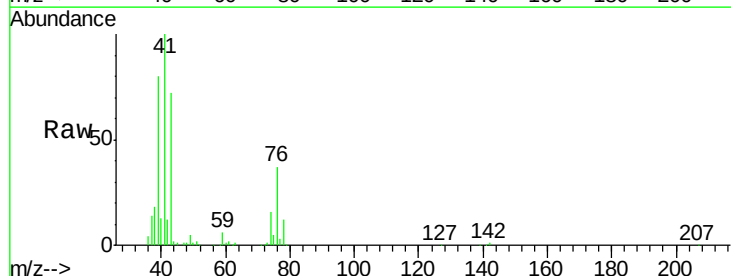
Tgt Ion: 41 Resp: 888367

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

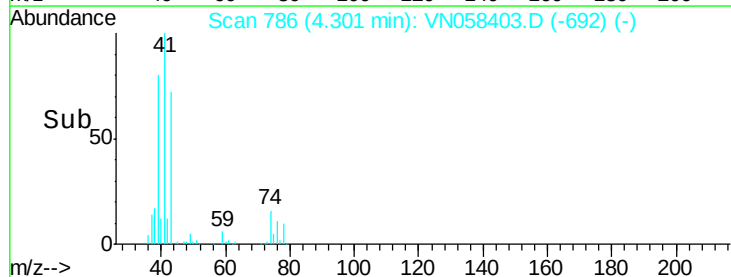
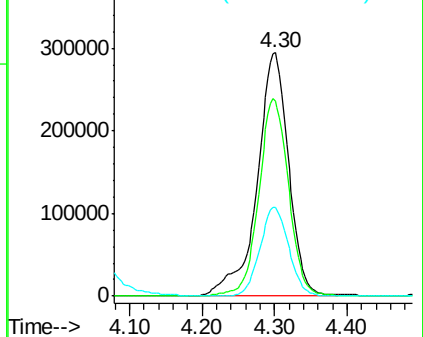
76 33.0 26.9 40.3

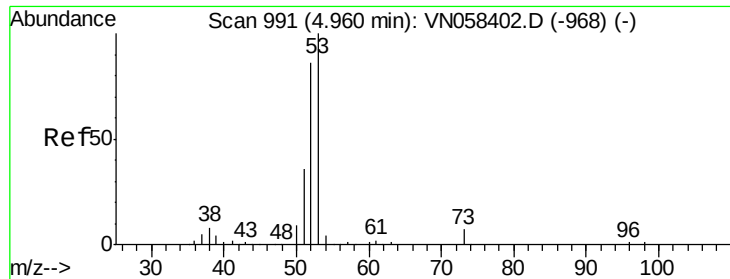


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 560.915 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1247269

Ion Ratio Lower Upper

53 100

52 82.4 66.6 100.0

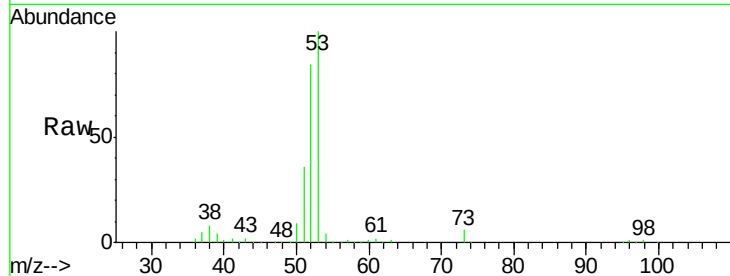
51 36.9 29.8 44.8

Manual Integrations

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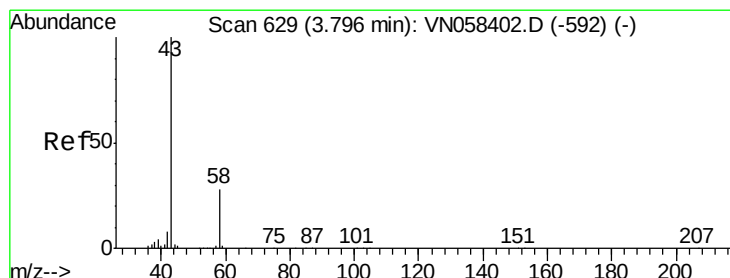
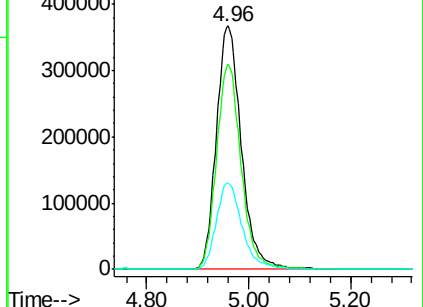
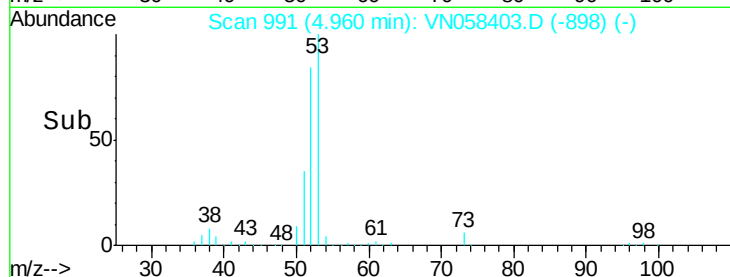
9/30/2019 10:18:40 AM



Abundance Ion 53.00 (52.70 to 53.70): VN058403.D (-898) (-)

Ion 52.00 (51.70 to 52.70): VN058403.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VN058403.D (-898) (-)



#16

Acetone

Concen: 508.627 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058403.D

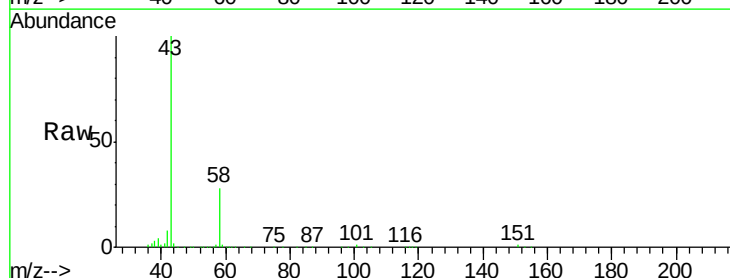
Acq: 27 Sep 2019 12:39

Tgt Ion: 43 Resp: 1220081

Ion Ratio Lower Upper

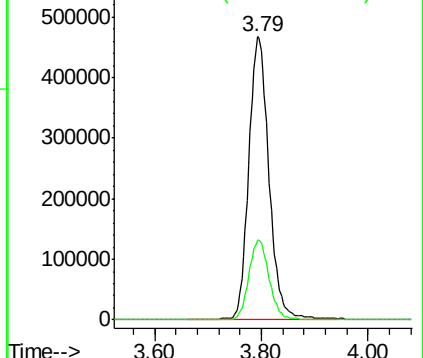
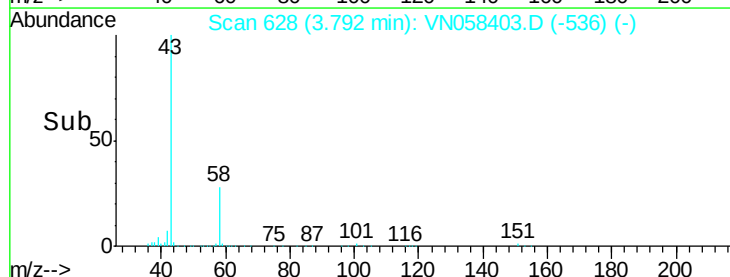
43 100

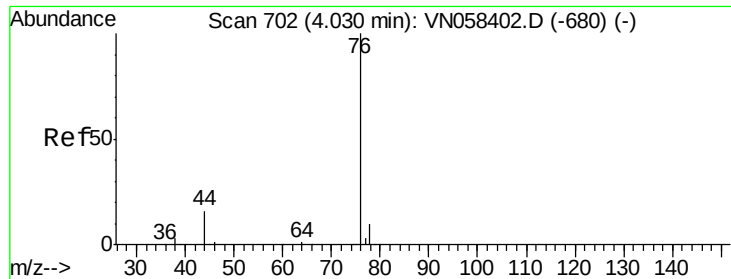
58 28.2 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN058403.D (-536) (-)

Ion 58.00 (57.70 to 58.70): VN058403.D (-536) (-)





#17

Carbon Disulfide

Concen: 202.639 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1351502

Ion Ratio Lower Upper

76 100

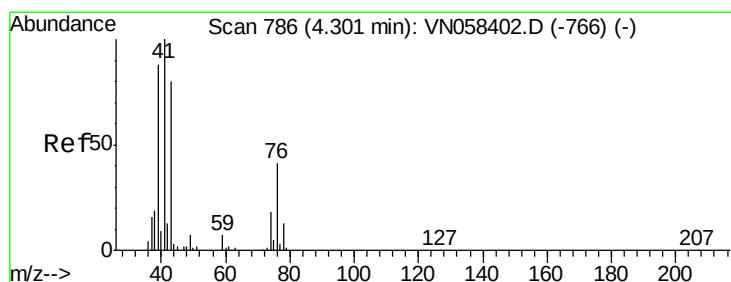
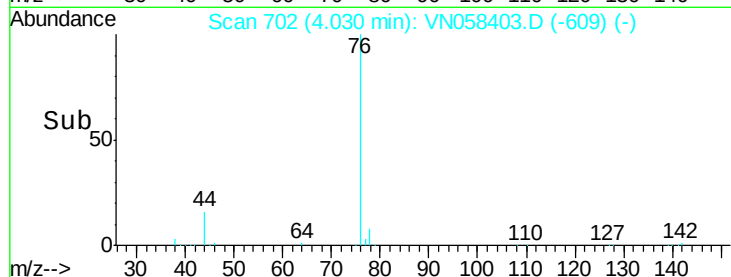
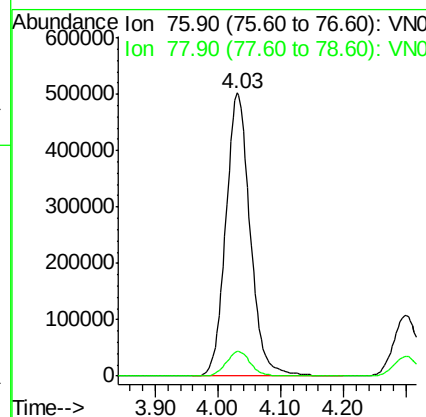
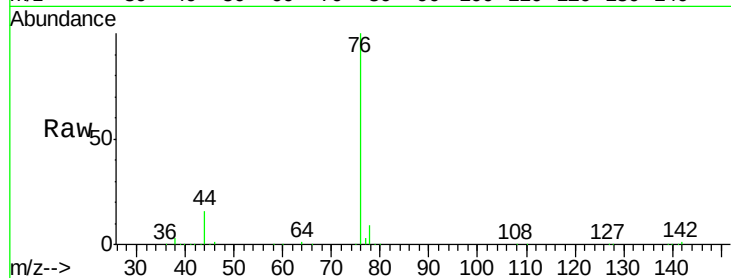
78 8.8 7.7 11.5

Manual Integrations

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9/30/2019 10:18:40 AM



#18

Methyl Acetate

Concen: 97.375 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058403.D

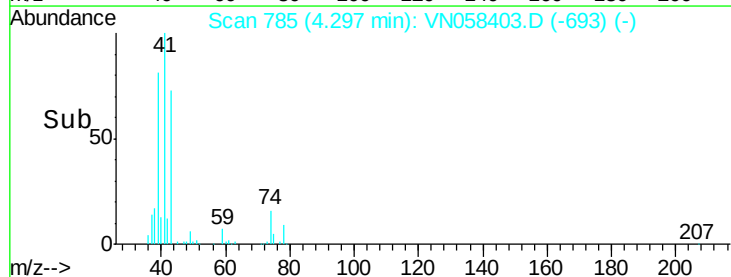
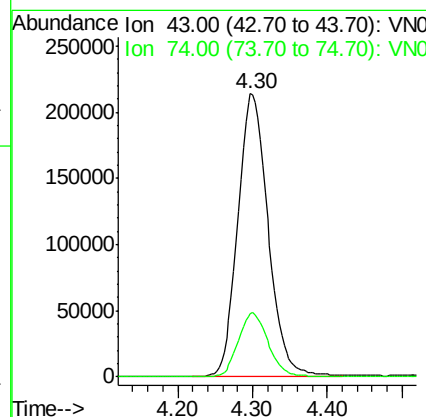
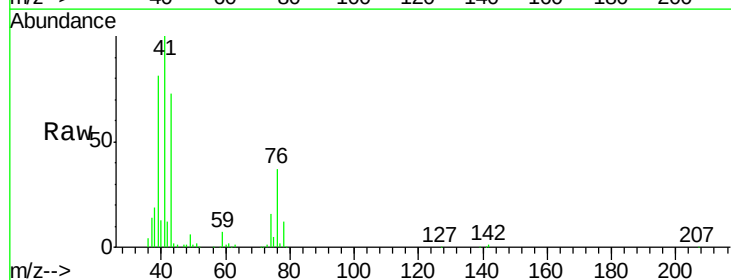
Acq: 27 Sep 2019 12:39

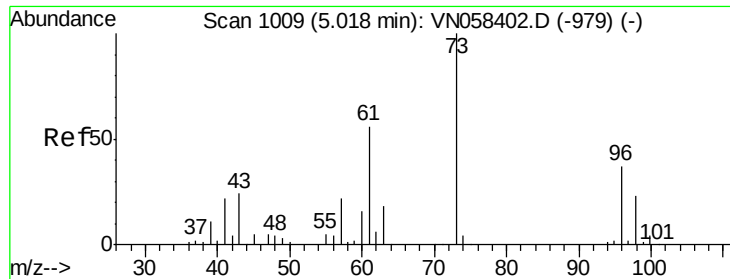
Tgt Ion: 43 Resp: 603824

Ion Ratio Lower Upper

43 100

74 22.5 18.0 27.0





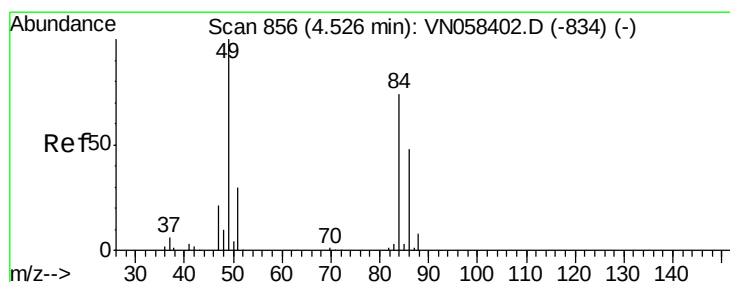
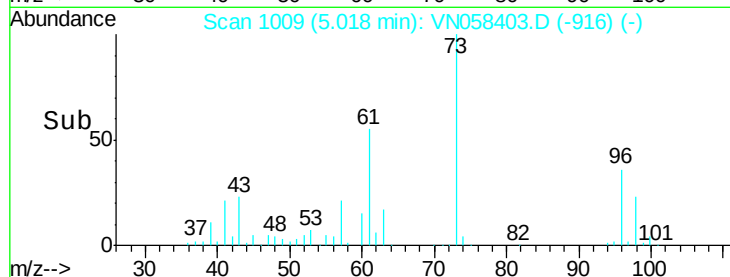
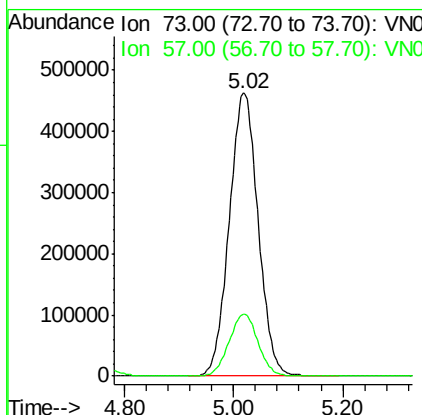
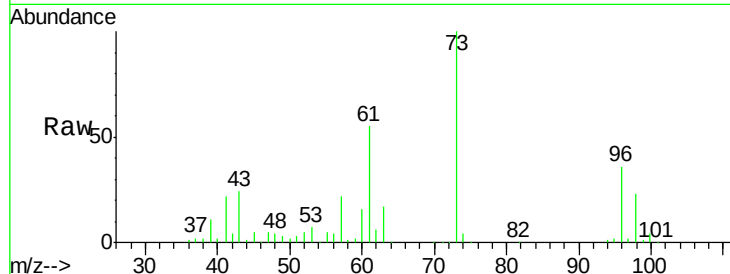
#19
Methyl tert-butyl Ether
Concen: 110.057 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 73 Resp: 1701732
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

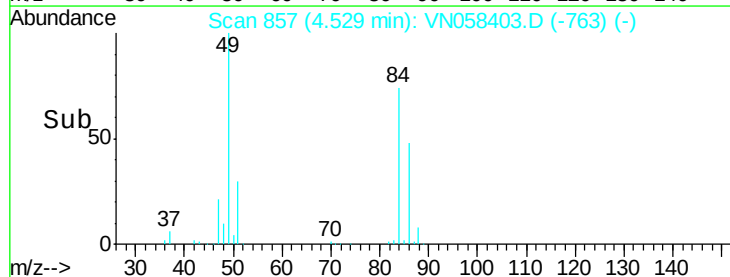
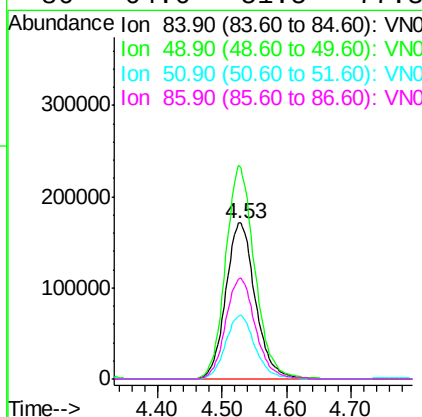
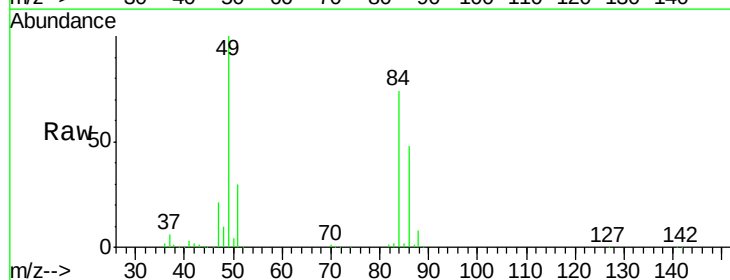
Manual Integrations
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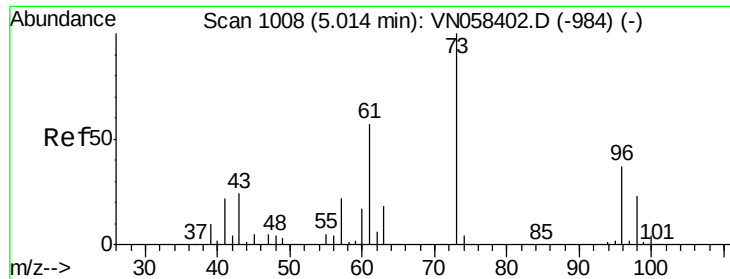
MMDadoda
9/30/2019 10:18:40 AM



#20
Methylene Chloride
Concen: 114.002 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion: 84 Resp: 547652
Ion Ratio Lower Upper
84 100
49 135.3 107.9 161.9
51 41.0 32.8 49.2
86 64.6 51.5 77.3





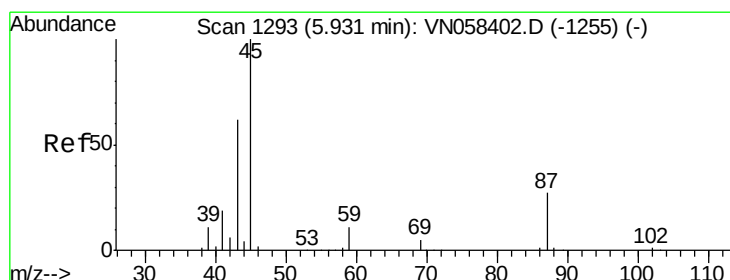
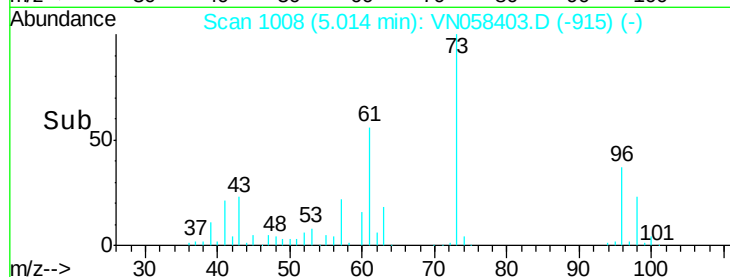
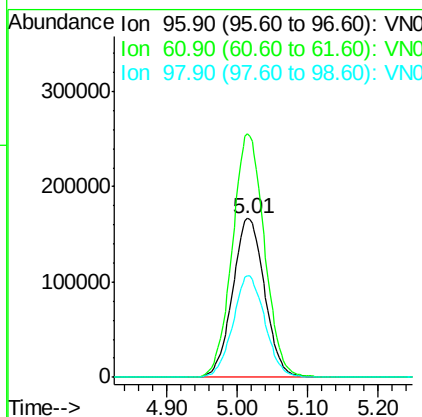
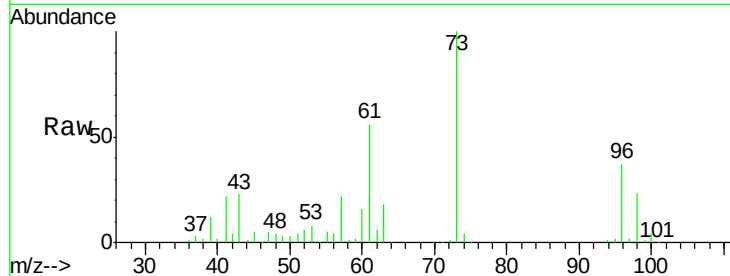
#21
trans-1,2-Dichloroethene
Concen: 132.176 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.2	121.9	182.9
98	64.0	49.3	73.9

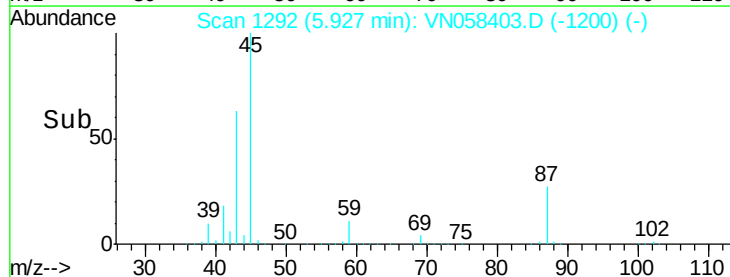
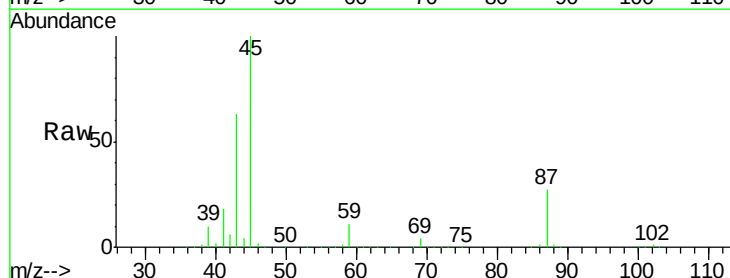
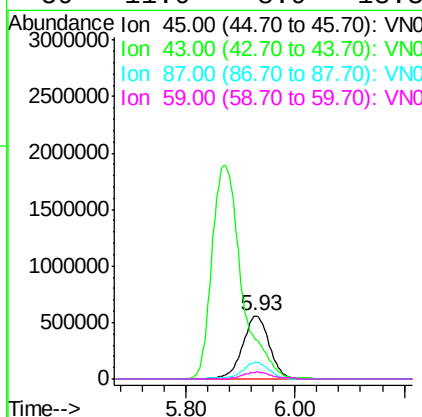
Manual Integrations
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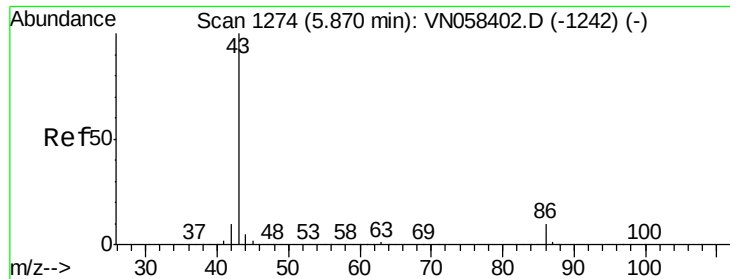
MMDadoda
9/30/2019 10:18:40 AM



#22
Diisopropyl ether
Concen: 112.779 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	49.7	74.5
87	26.8	21.5	32.3
59	11.0	8.9	13.3





#23

Vinyl Acetate

Concen: 596.001 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 7129443

Ion Ratio Lower Upper

43 100

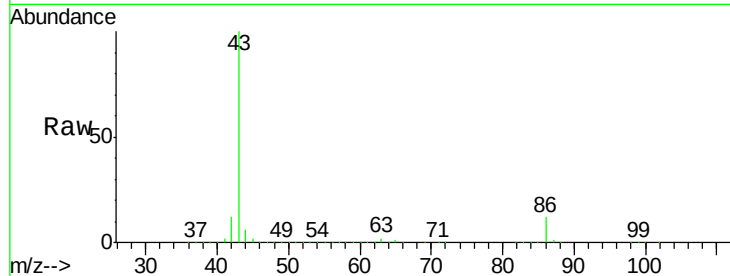
86 12.0 7.7 11.5#

Manual Integrations

APPROVED

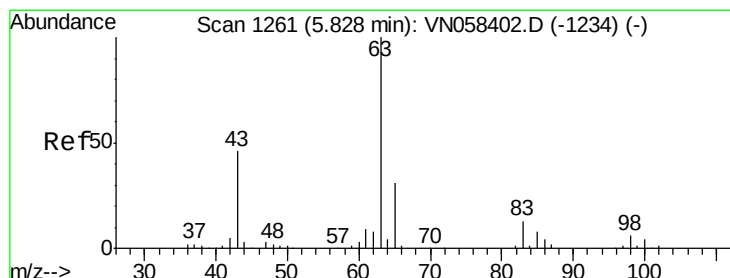
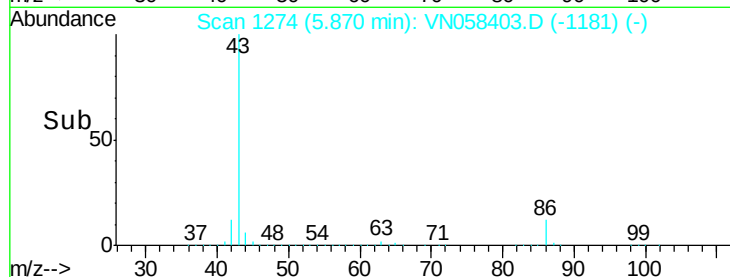
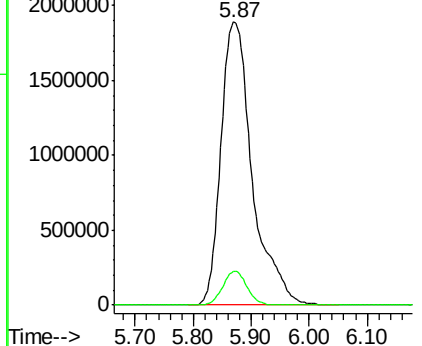
MMDadoda

9/30/2019 10:18:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 113.853 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

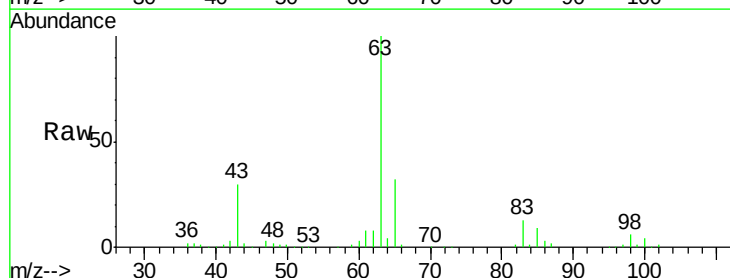
Tgt Ion: 63 Resp: 1050958

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

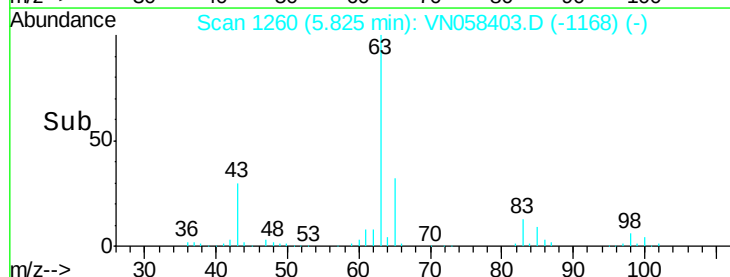
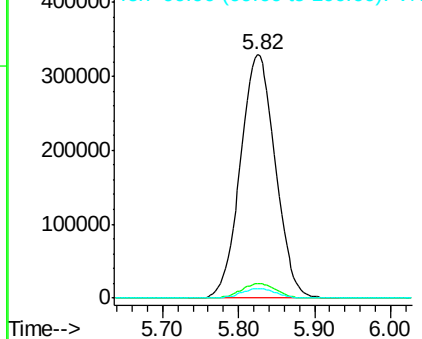
100 3.9 2.0 5.8

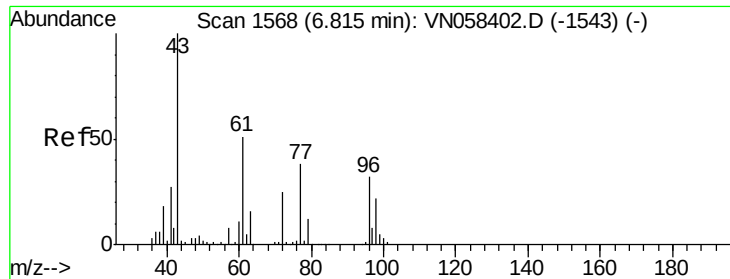


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 543.648 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1762219

Ion Ratio Lower Upper

43 100

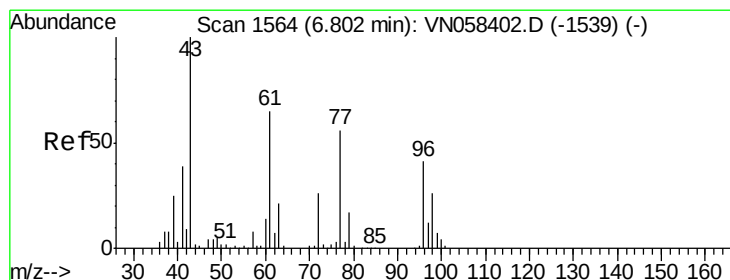
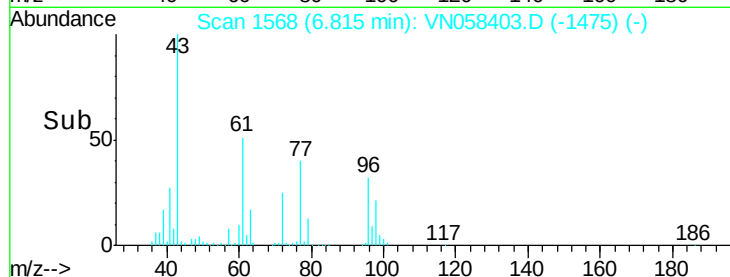
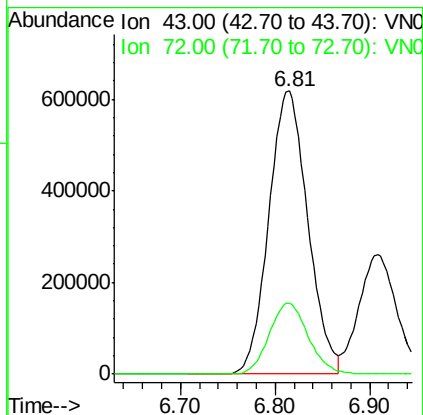
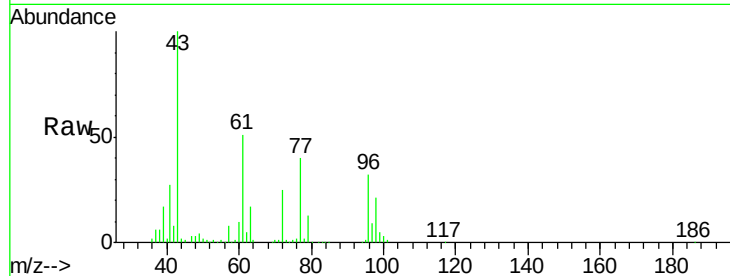
72 25.2 20.2 30.4

Manual Integrations

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9/30/2019 10:18:40 AM



#26

2,2-Dichloropropane

Concen: 114.873 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058403.D

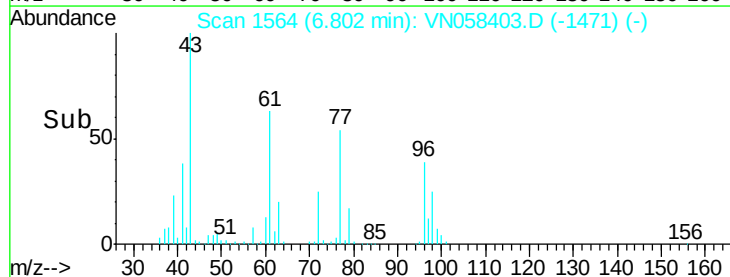
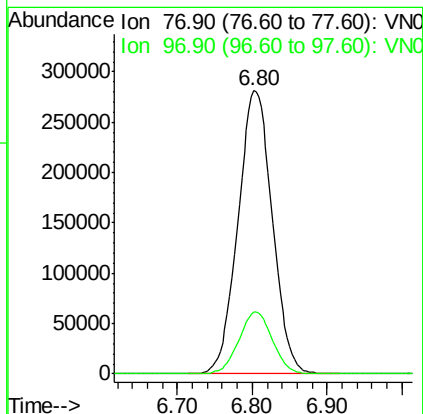
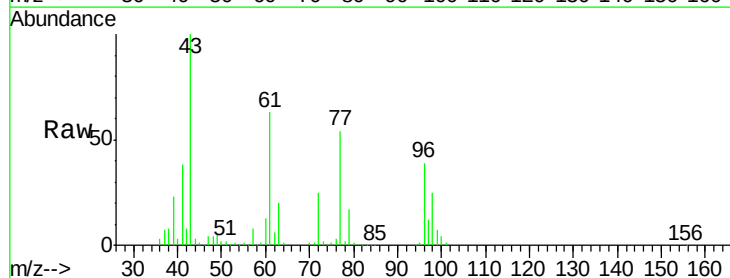
Acq: 27 Sep 2019 12:39

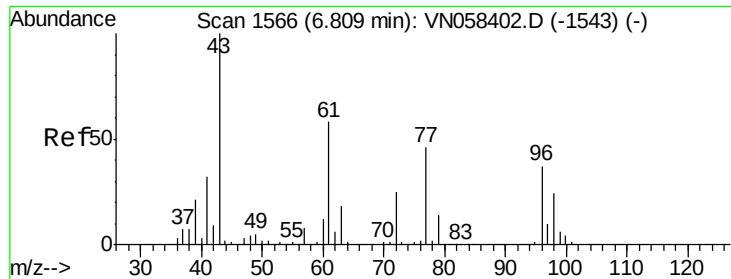
Tgt Ion: 77 Resp: 896915

Ion Ratio Lower Upper

77 100

97 21.3 10.9 32.6





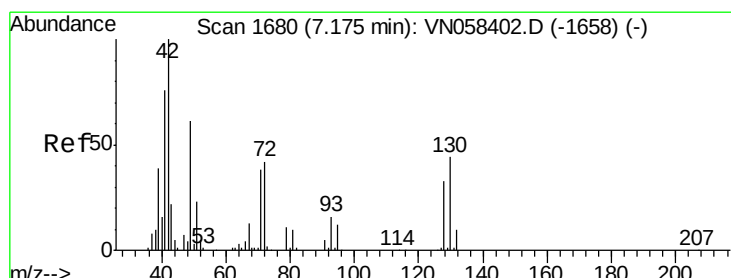
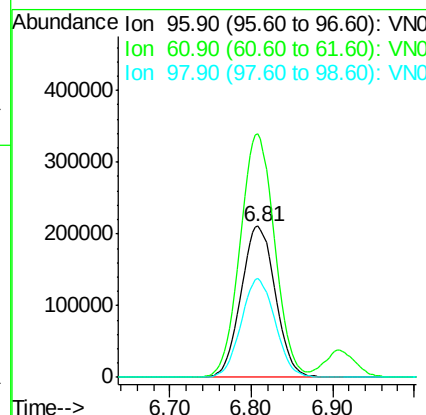
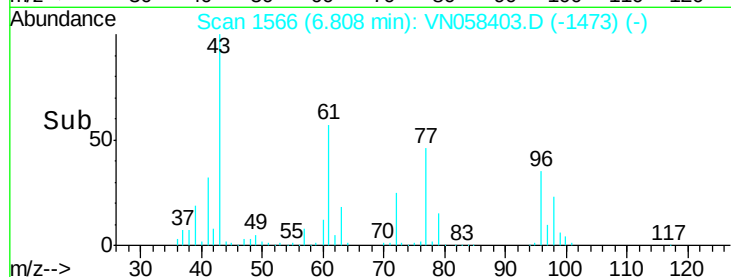
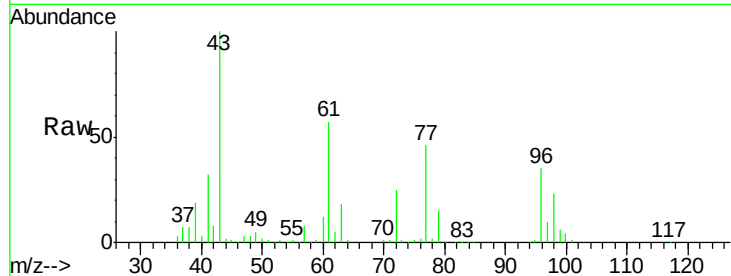
#27
 cis-1,2-Dichloroethene
 Concen: 116.975 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.6	0.0	318.8	
98	64.8	0.0	129.8	

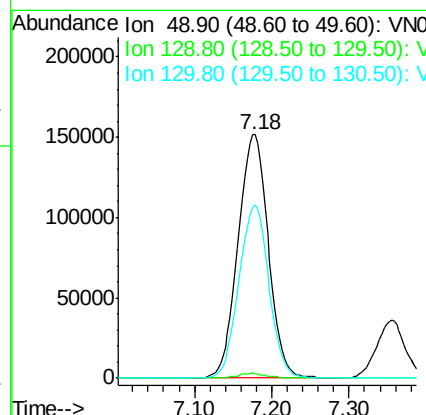
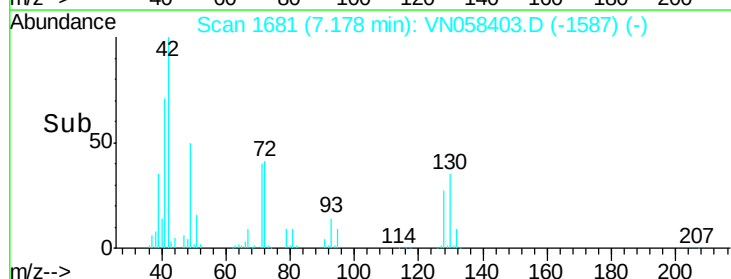
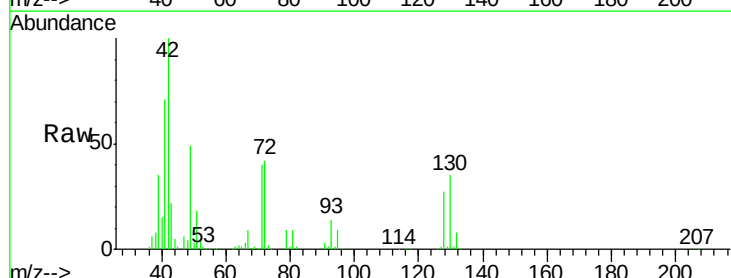
Manual Integrations
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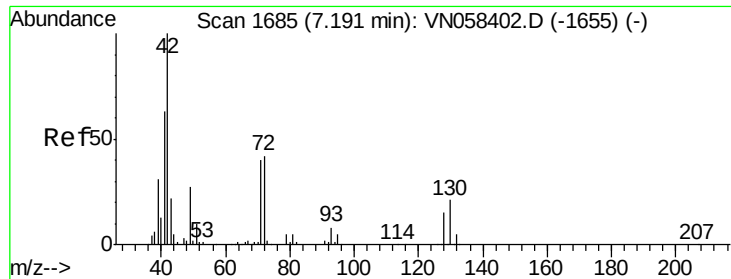
MMDadoda
 9/30/2019 10:18:40 AM



#28
 Bromochloromethane
 Concen: 98.153 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.4	
130	70.5	56.3	84.5	





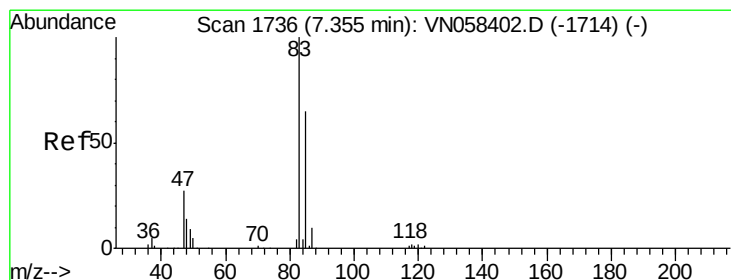
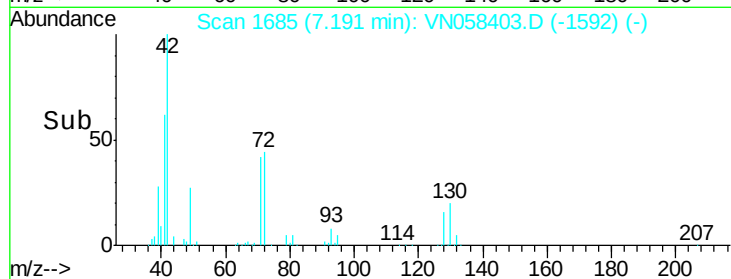
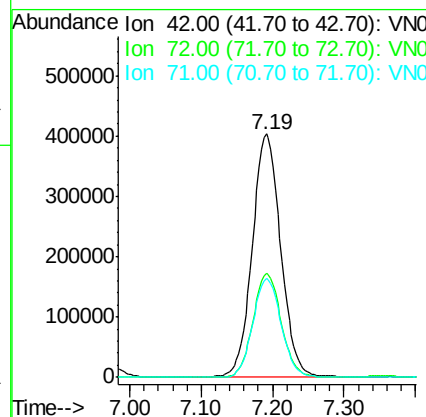
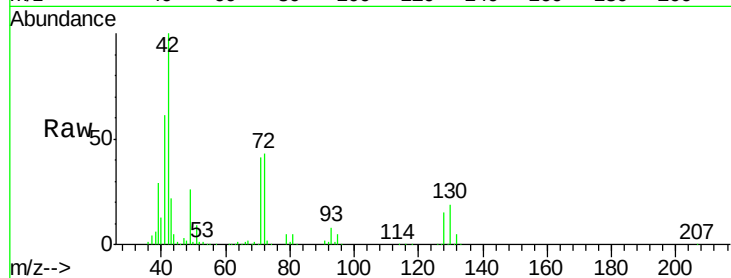
#29
Tetrahydrofuran
Concen: 553.574 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1116794
Ion Ratio Lower Upper
42 100
72 42.4 33.7 50.5
71 40.5 31.8 47.6

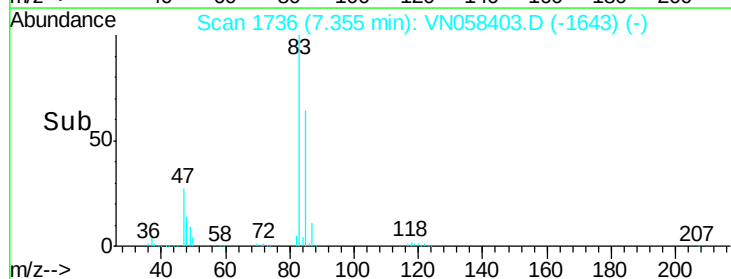
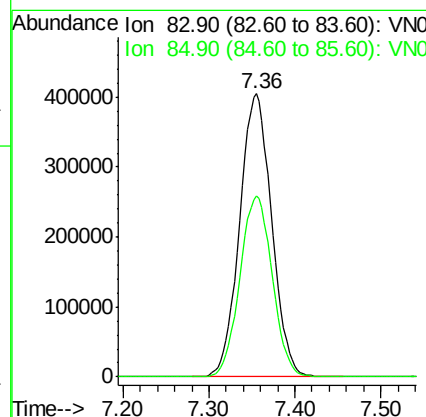
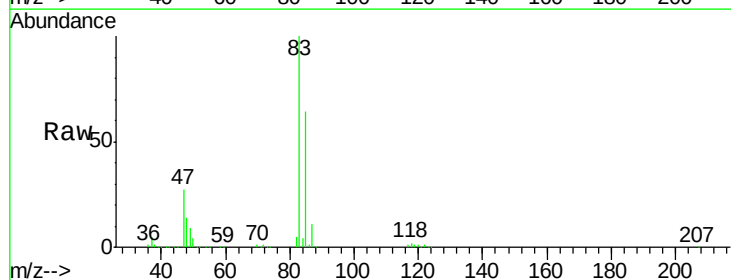
Manual Integrations
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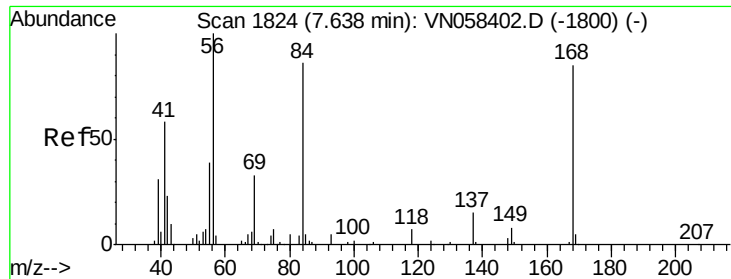
MMDadoda
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#30
Chloroform
Concen: 106.881 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion: 83 Resp: 1048736
Ion Ratio Lower Upper
83 100
85 64.1 52.0 78.0





#31

Cyclohexane

Concen: 132.052 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

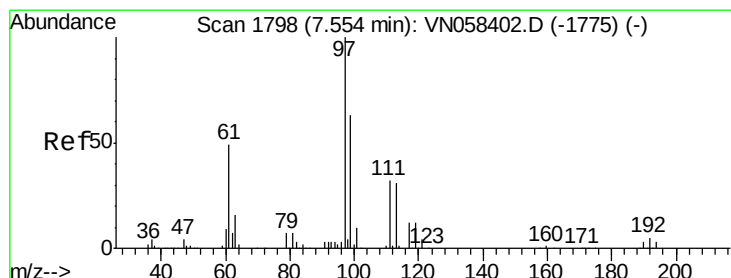
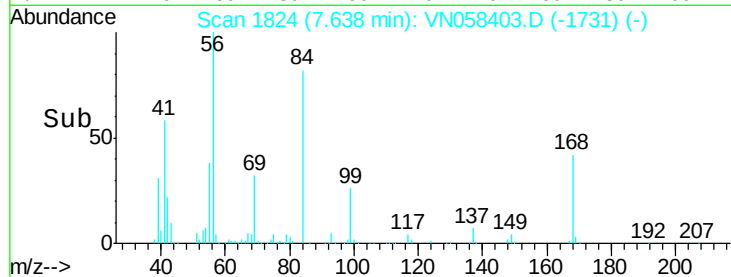
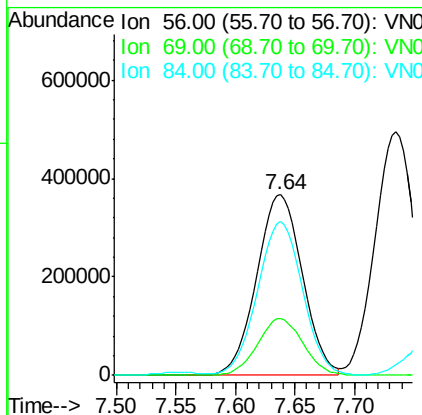
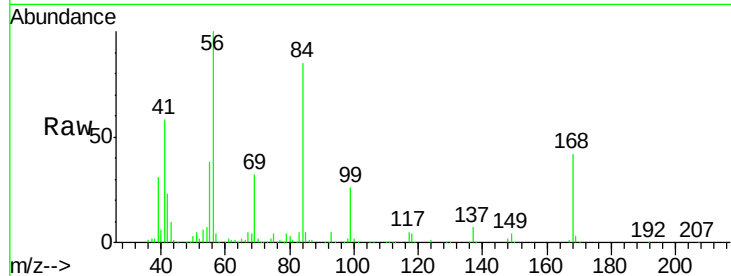
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	977797
Ion Ratio	Lower	Upper	
56	100		
69	31.6	26.2	39.4
84	83.5	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 120.952 ug/l

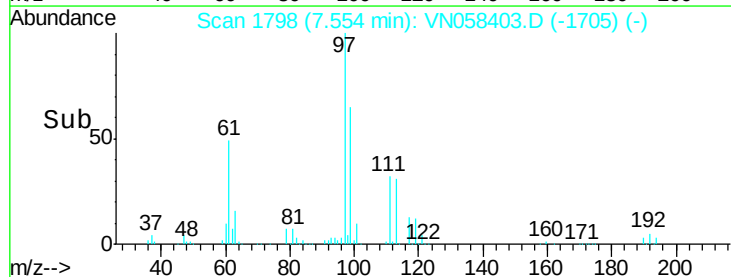
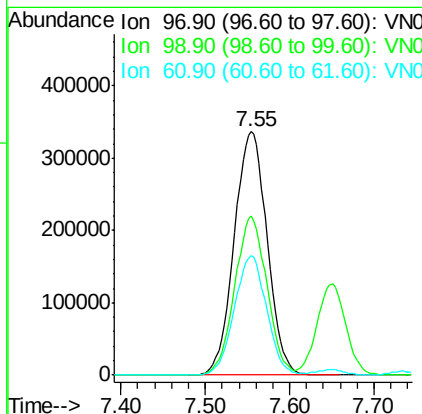
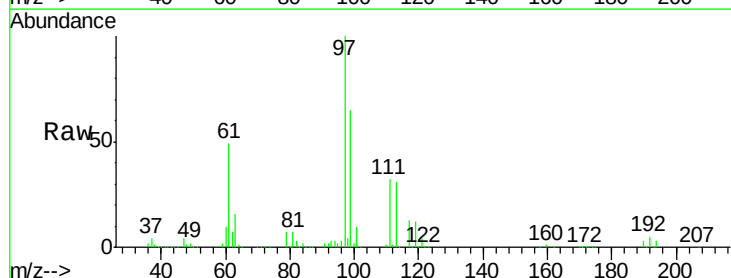
RT: 7.55 min Scan# 1798

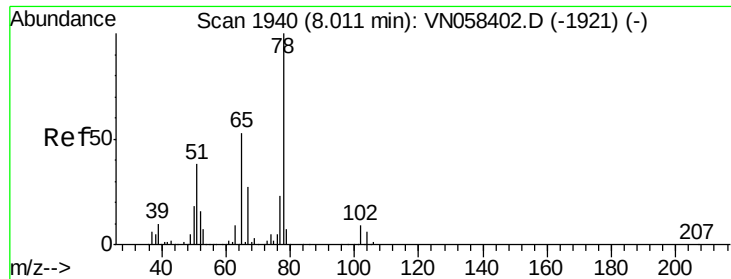
Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Tgt Ion:	97	Resp:	915156
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.1	76.7
61	48.2	39.2	58.8





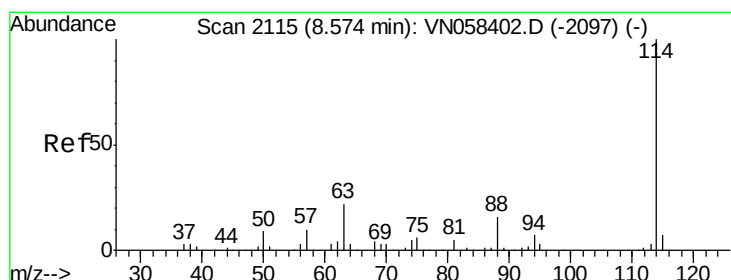
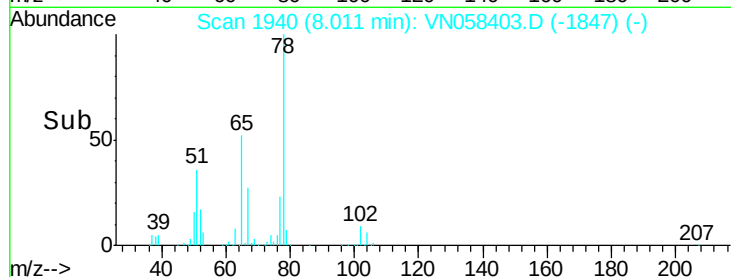
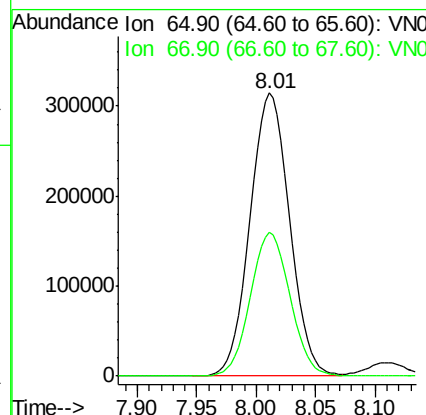
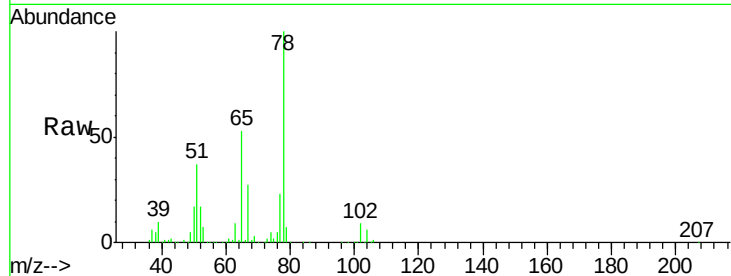
#33
 1,2-Dichloroethane-d4
 Concen: 104.062 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	724932		
67	50.8	0.0	102.4	

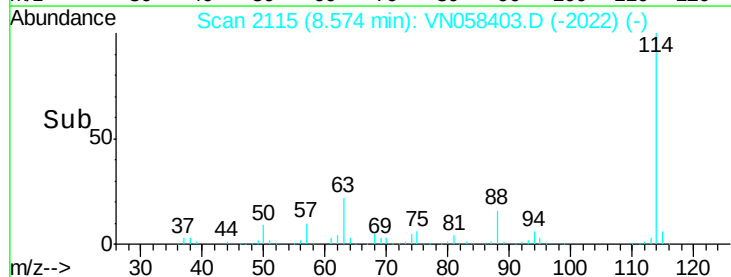
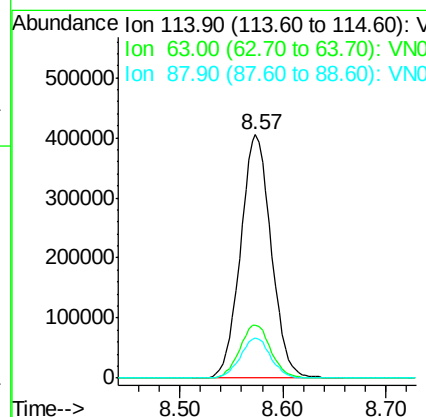
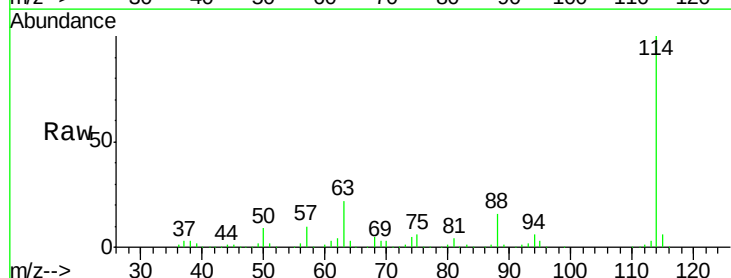
Manual Integrations
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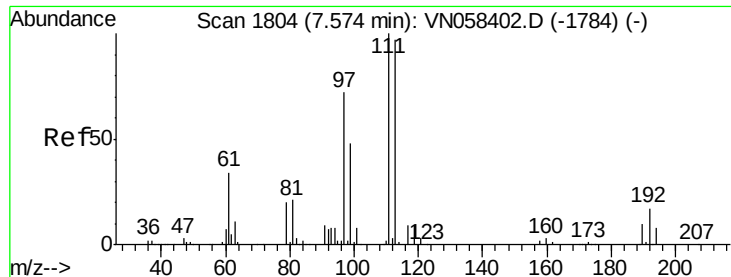
MMDadoda
 9/30/2019 10:18:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	838310		
63	22.0	0.0	45.0	
88	16.2	0.0	32.2	





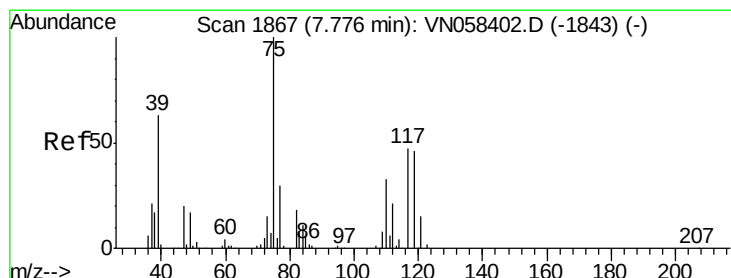
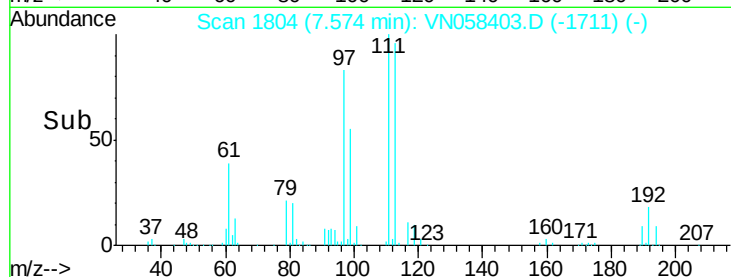
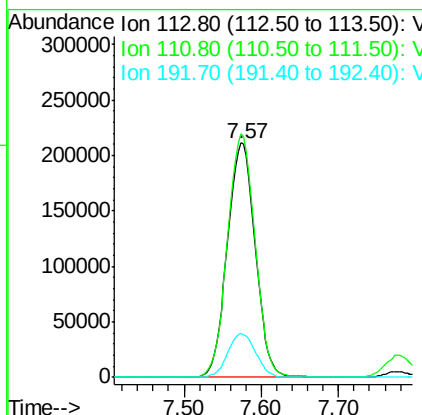
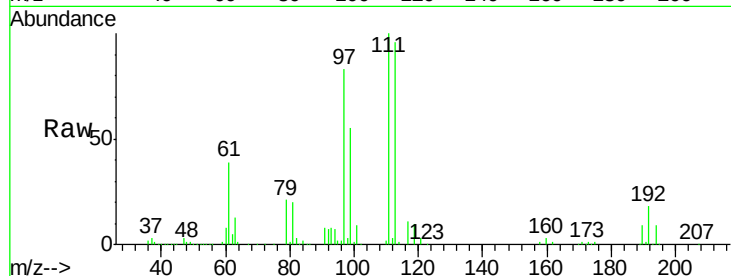
#35
Dibromofluoromethane
Concen: 103.496 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	527964		
111	102.8	83.4	125.2	
192	18.7	14.9	22.3	

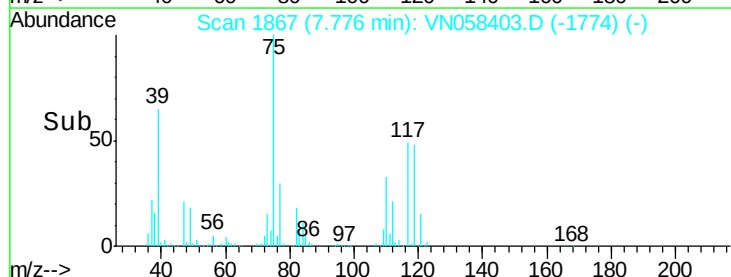
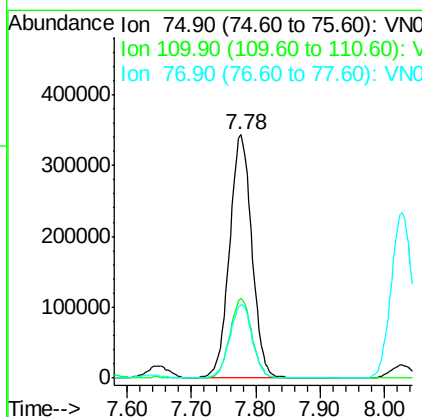
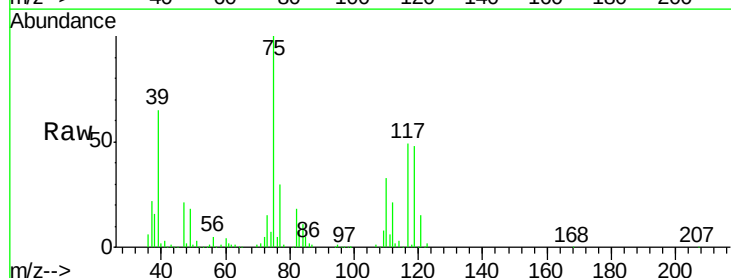
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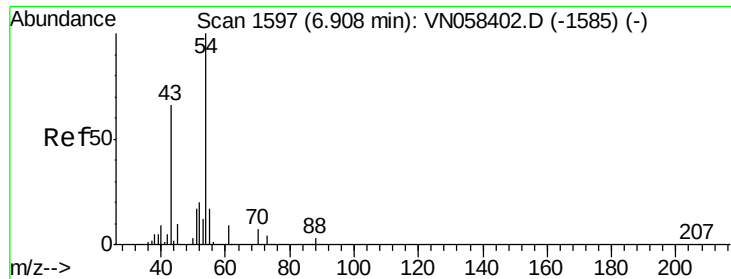
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#36
1,1-Dichloropropene
Concen: 127.829 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	828087		
110	32.5	16.4	49.2	
77	30.8	24.3	36.5	





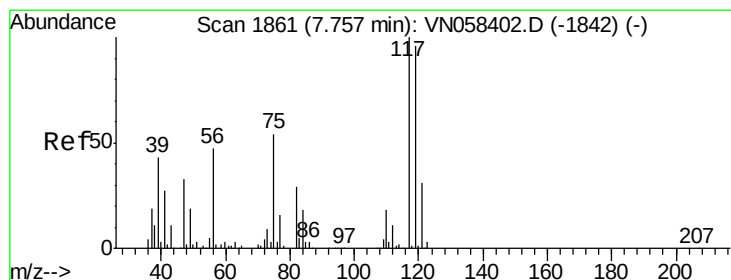
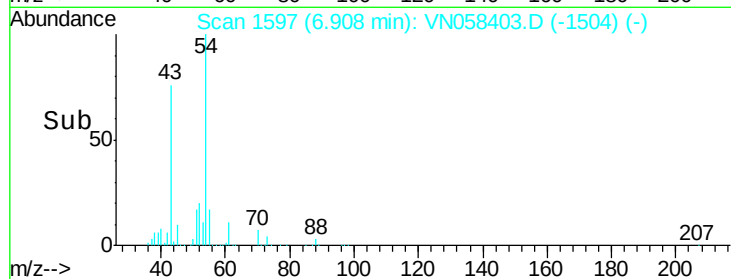
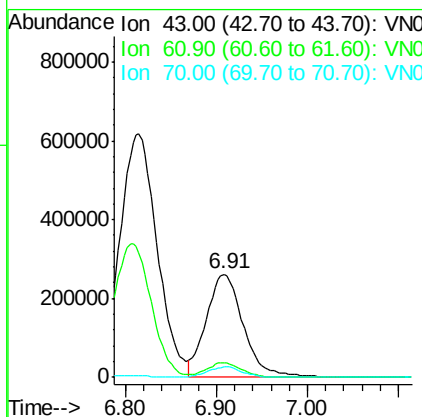
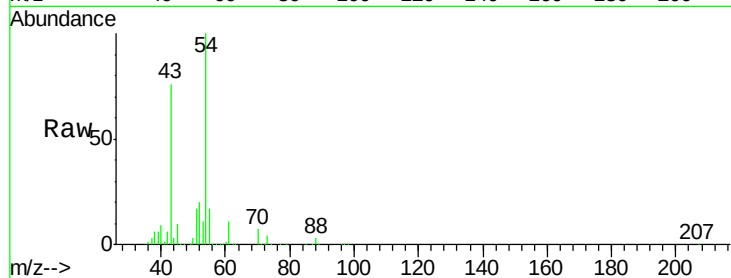
#37
Ethyl Acetate
Concen: 114.055 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	9.7	7.8	11.6

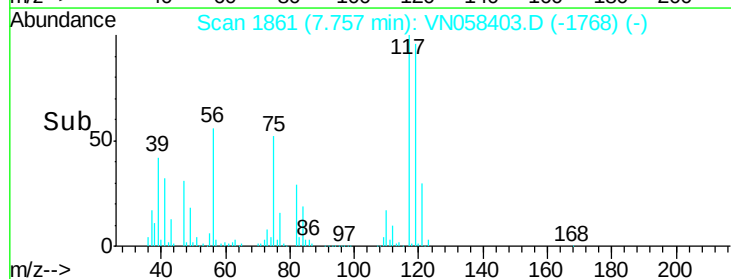
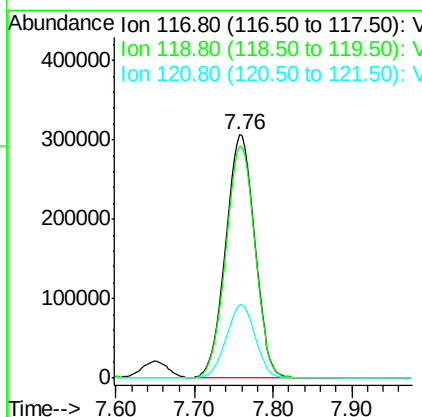
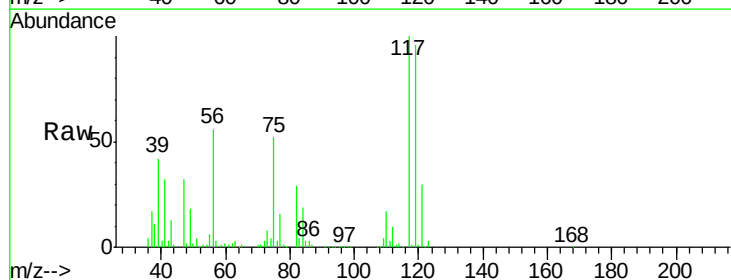
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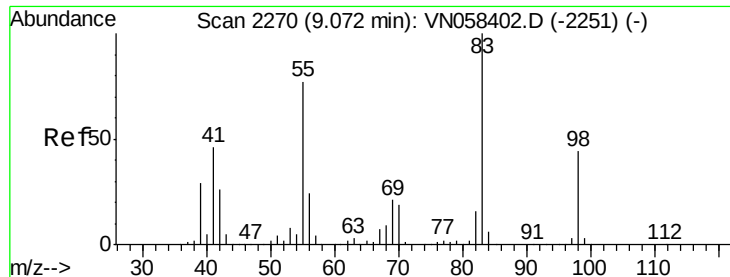
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#38
Carbon Tetrachloride
Concen: 123.212 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.6	115.0
121	30.1	24.7	37.1





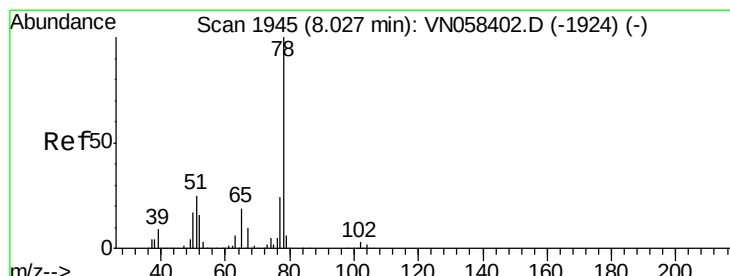
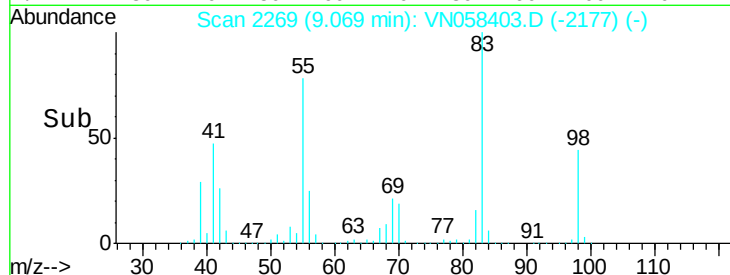
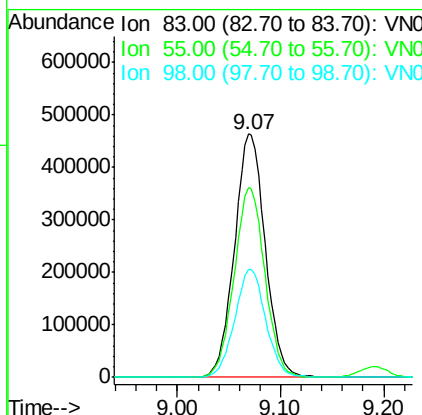
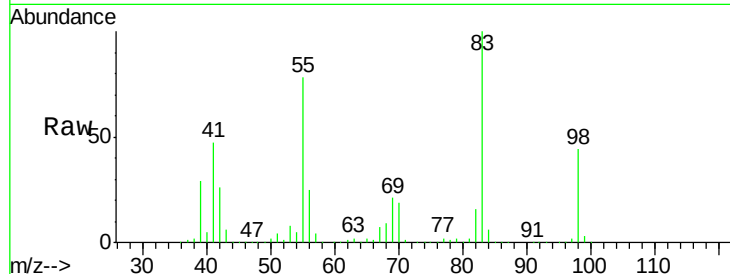
#39
Methylvlcyclohexane
Concen: 137.863 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	964790
Ion Ratio	100	Lower	Upper
83	100		
55	78.2	61.8	92.6
98	44.2	35.4	53.0

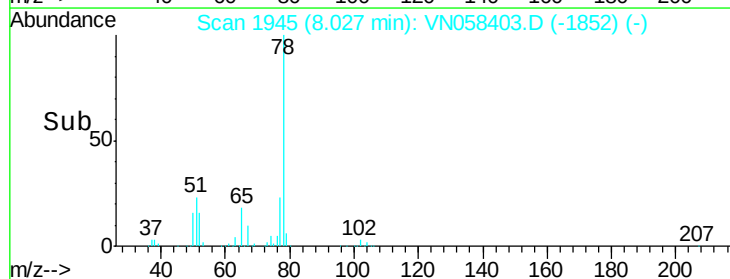
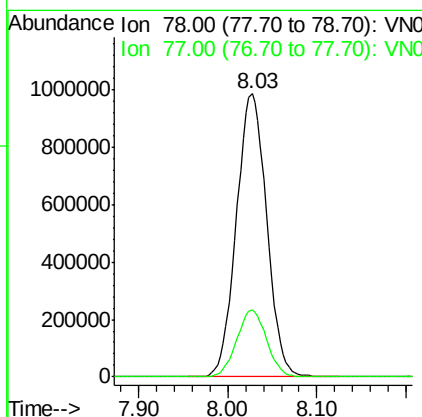
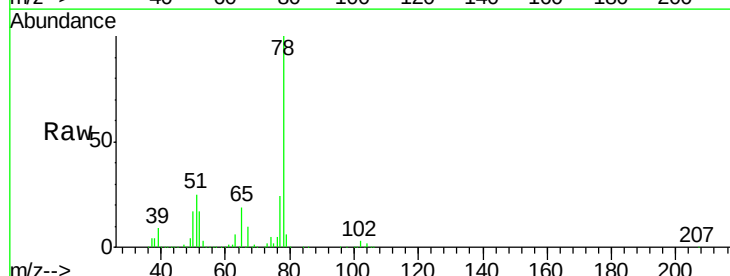
Manual Integrations
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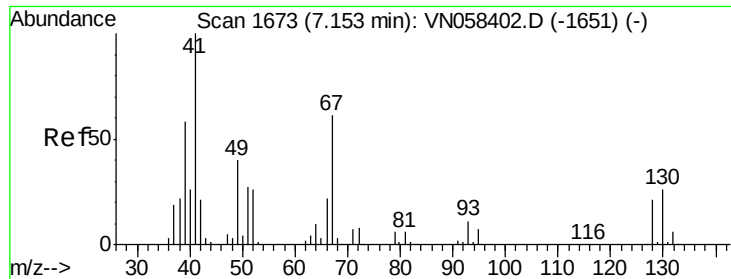
MMDadoda
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#40
Benzene
Concen: 119.923 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	78	Resp	2330146
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.9	28.3





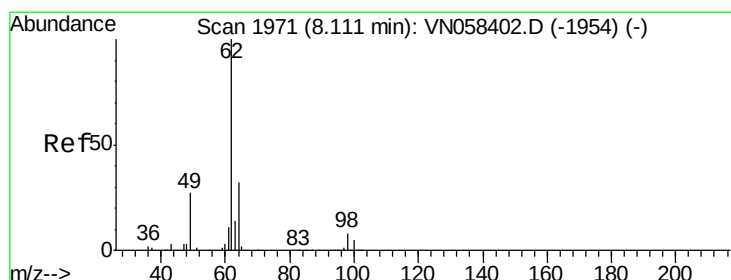
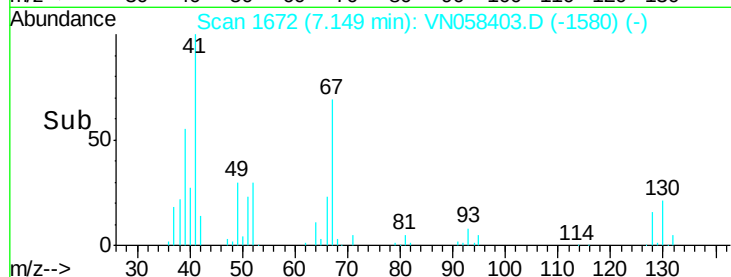
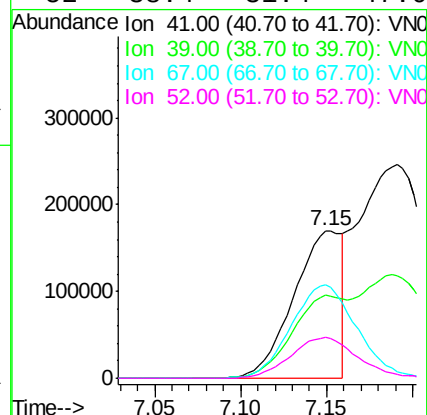
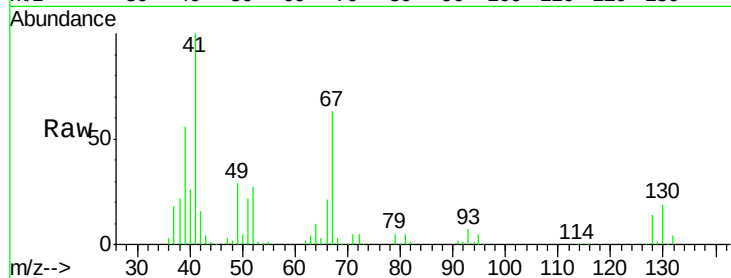
#41
Methacrylonitrile
Concen: 109.248 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	331524
Ion	Ratio	Lower	Upper
41	100		
39	61.9	50.2	75.4
67	86.7	70.2	105.4
52	38.4	31.4	47.0

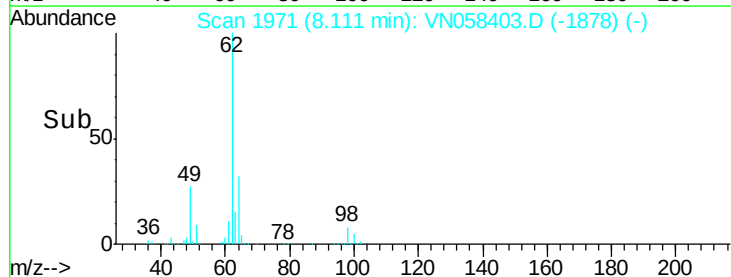
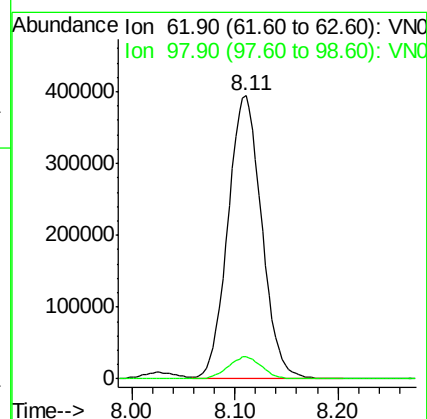
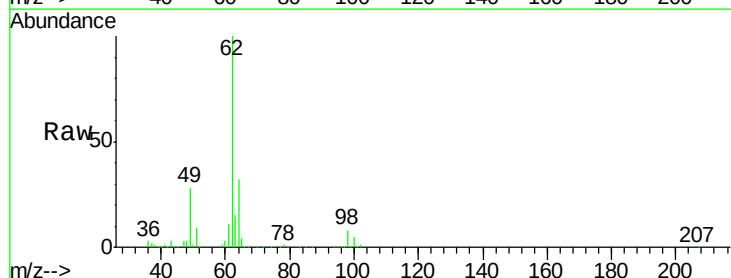
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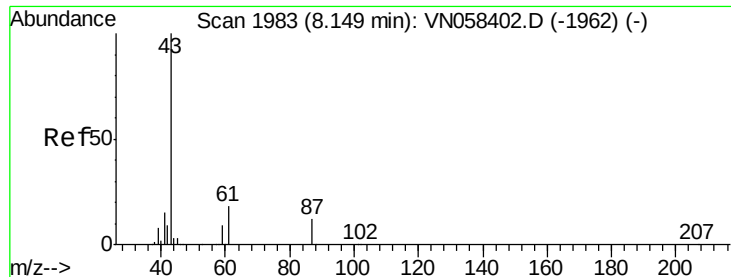
MMDadoda
9/30/2019 10:18:40 AM



#42
1,2-Dichloroethane
Concen: 112.335 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	62	Resp	898808
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 108.223 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1291194

Ion Ratio Lower Upper

43 100

61 25.7 14.8 22.2#

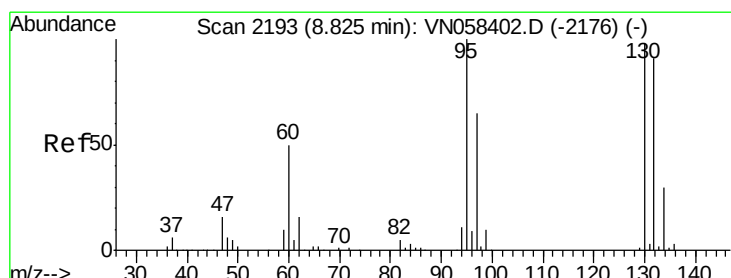
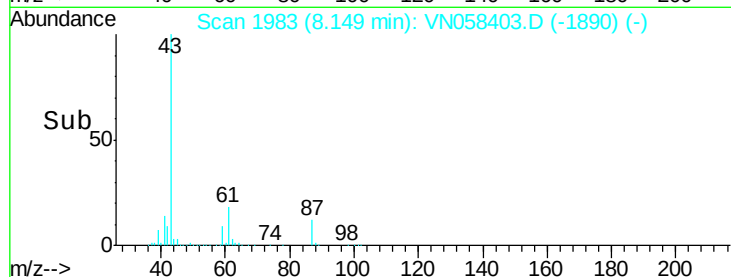
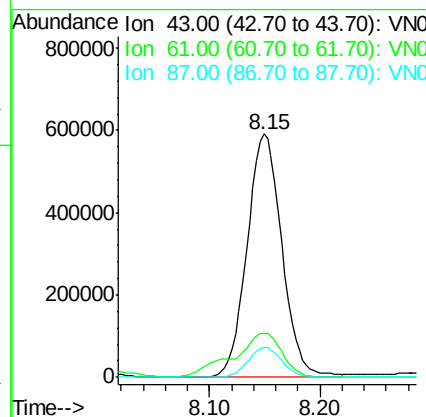
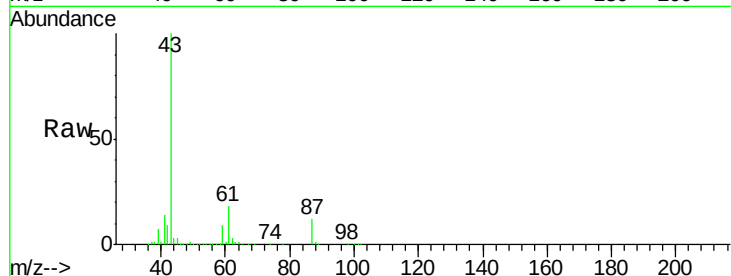
87 12.1 9.7 14.5

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9/30/2019 10:18:40 AM



#44

Trichloroethene

Concen: 122.706 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058403.D

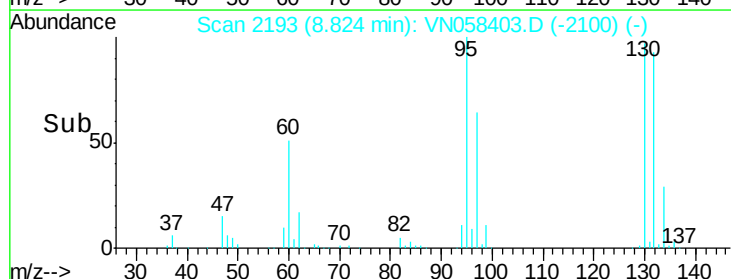
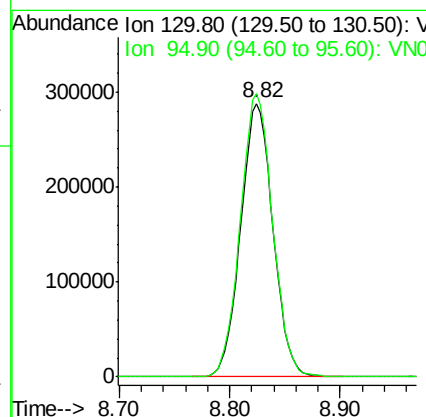
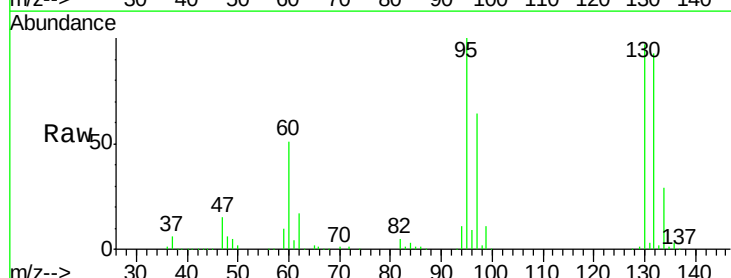
Acq: 27 Sep 2019 12:39

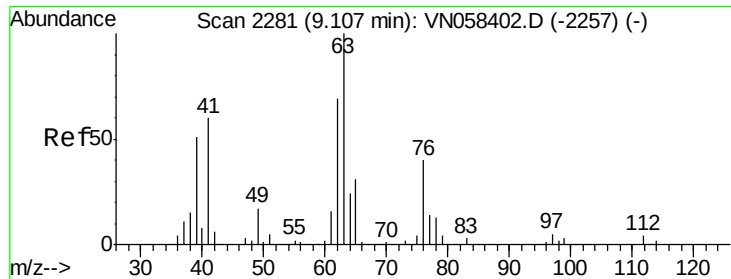
Tgt Ion:130 Resp: 584563

Ion Ratio Lower Upper

130 100

95 103.6 0.0 204.2





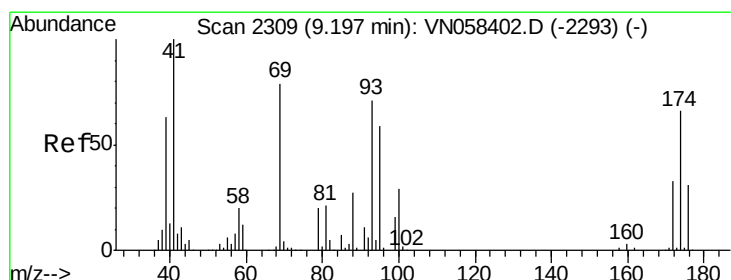
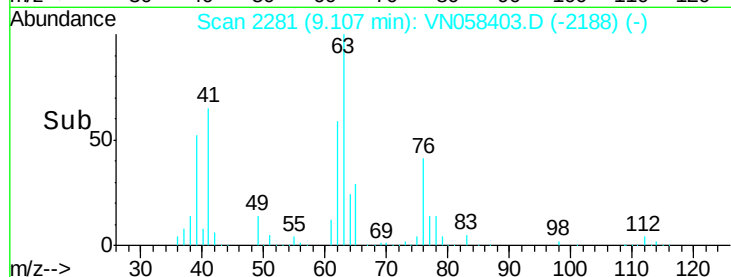
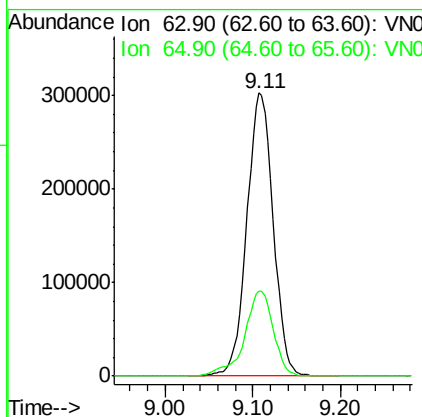
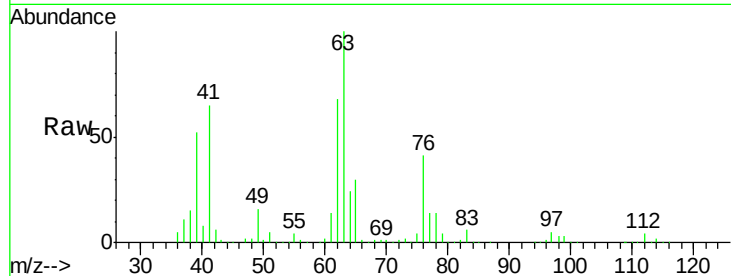
#45
 1,2-Dichloropropane
 Concen: 111.864 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 632573
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.4

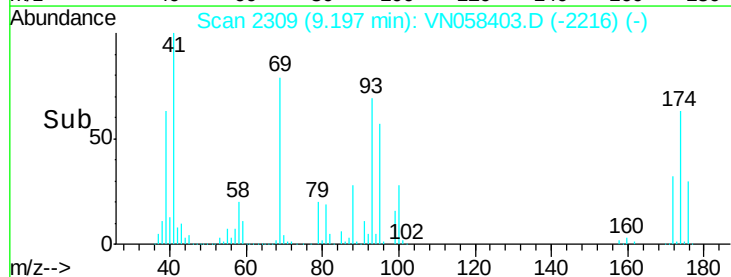
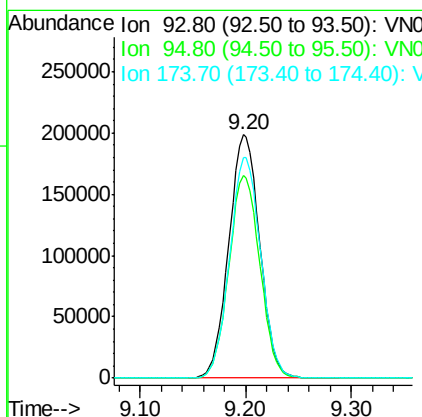
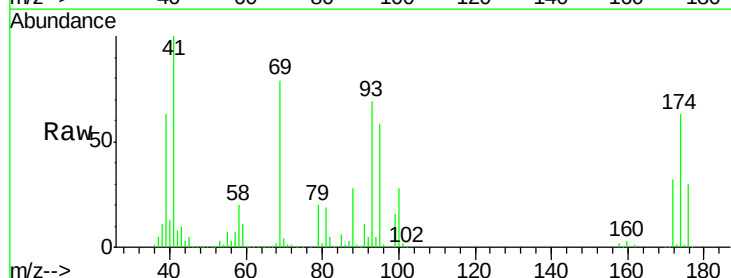
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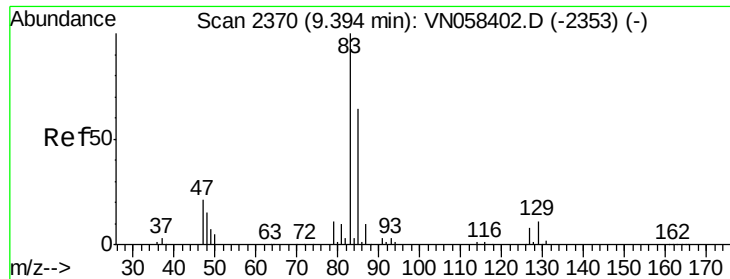
MMDadoda
 9/30/2019 10:18:40 AM



#46
 Dibromomethane
 Concen: 116.461 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion: 93 Resp: 403673
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.4
 174 91.0 74.2 111.2





#47

Bromodichloromethane

Concen: 114.582 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

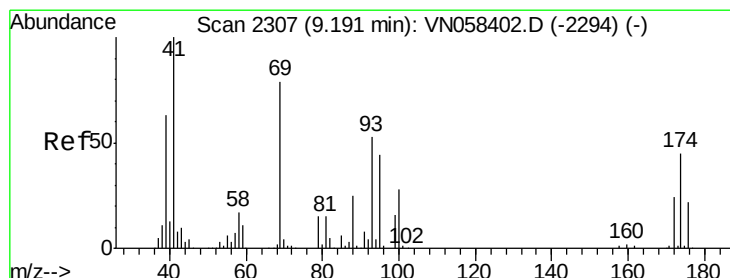
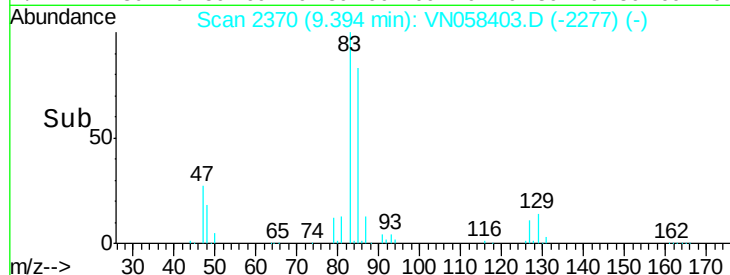
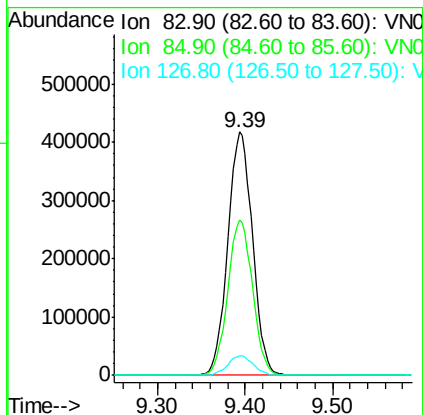
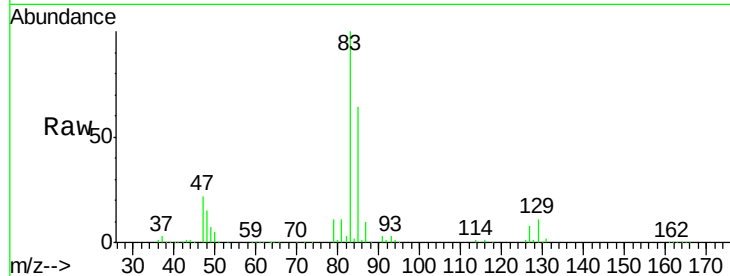
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	817461
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.2	76.8
127	8.1	6.3	9.5

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#48

Methyl methacrylate

Concen: 113.641 ug/l

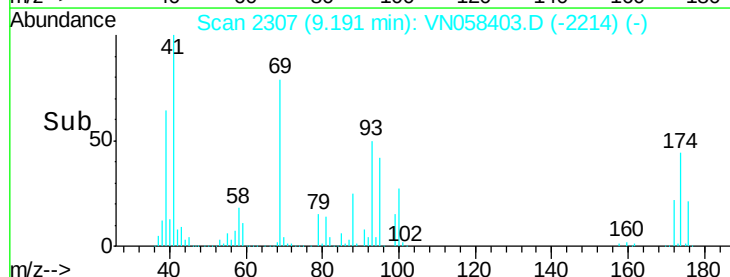
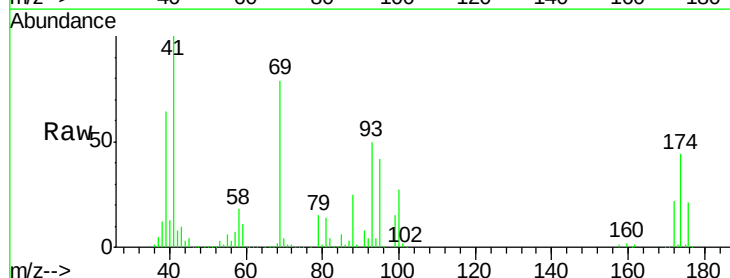
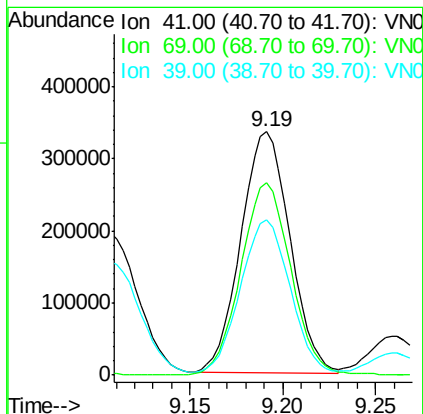
RT: 9.19 min Scan# 2307

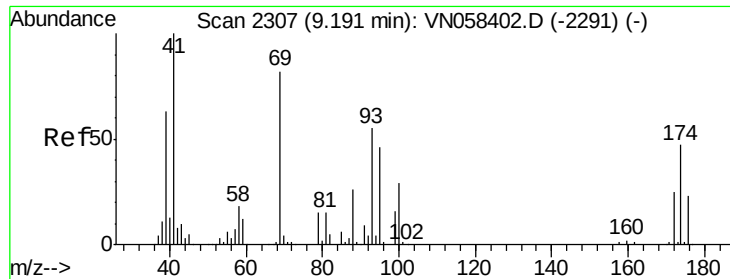
Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Tgt Ion:	41	Resp:	614803
Ion Ratio	Lower	Upper	
41	100		
69	81.4	64.7	97.1
39	65.9	52.9	79.3





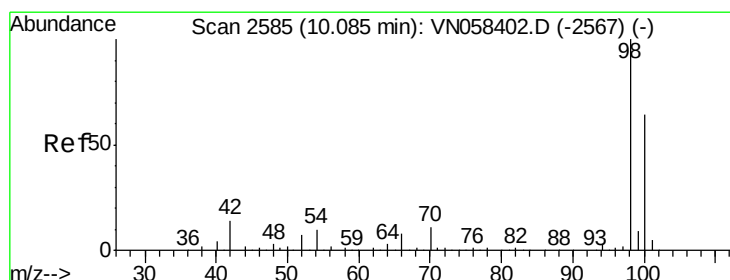
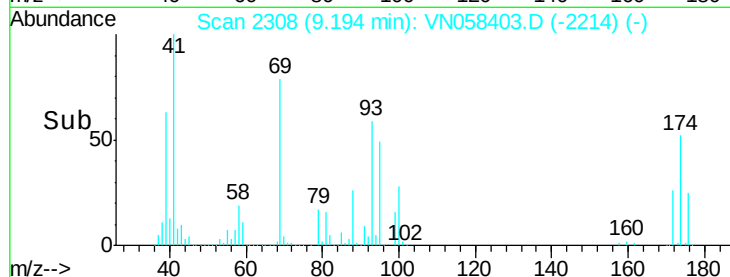
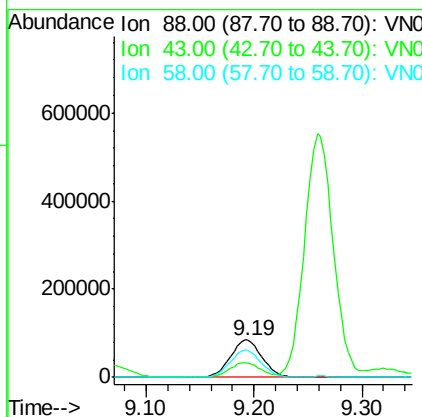
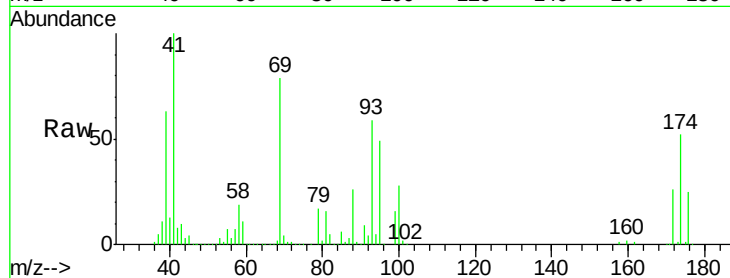
#49
1,4-Dioxane
Concen: 2029.703 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	31.1	46.7
58	71.4	58.1	87.1

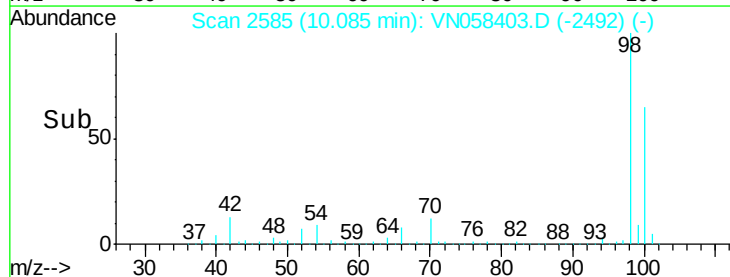
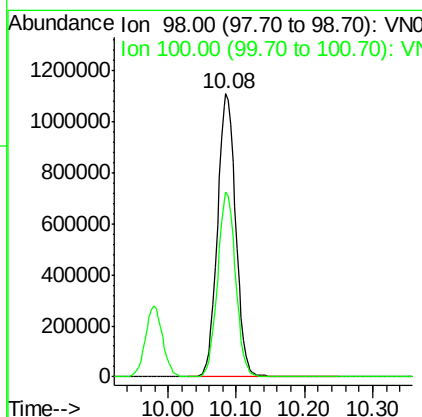
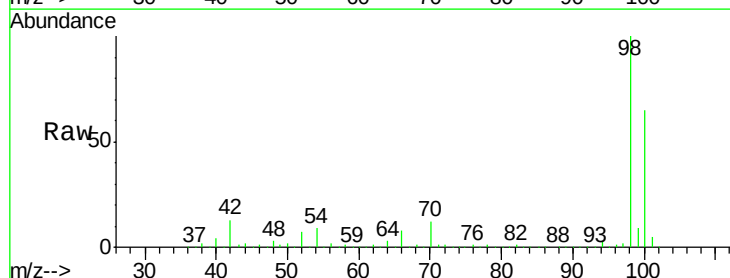
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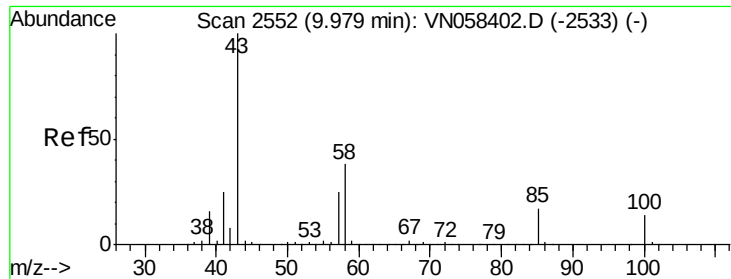
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#50
Toluene-d8
Concen: 103.588 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 529.476 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3318680

Ion Ratio Lower Upper

43 100

58 41.1

30.2

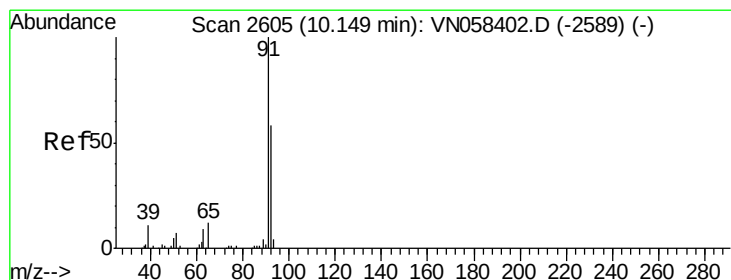
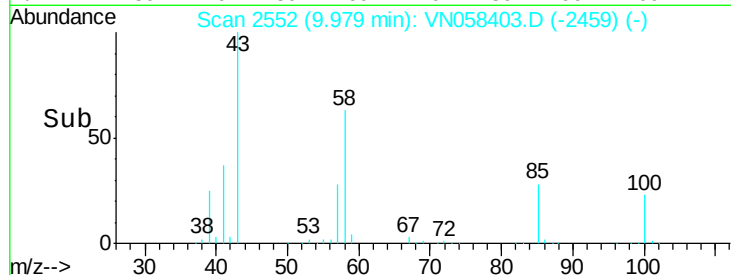
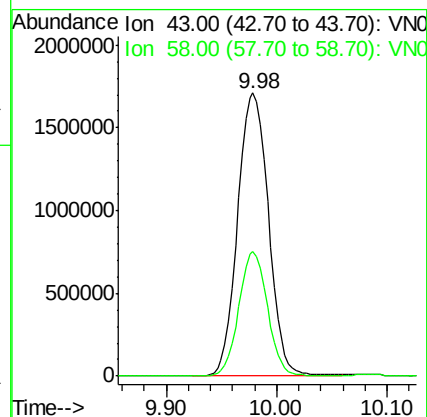
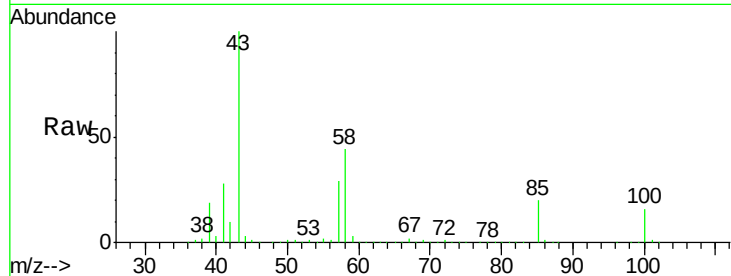
45.2

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9/30/2019 10:18:40 AM



#52

Toluene

Concen: 121.630 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Tgt Ion: 92 Resp: 1470617

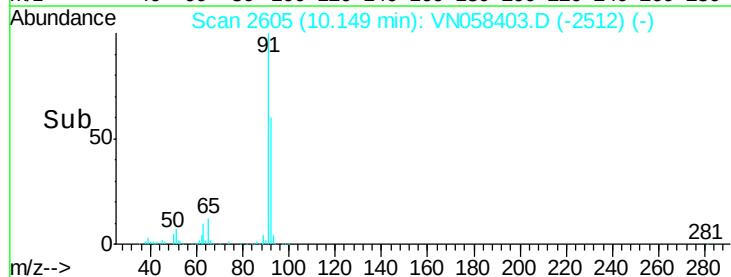
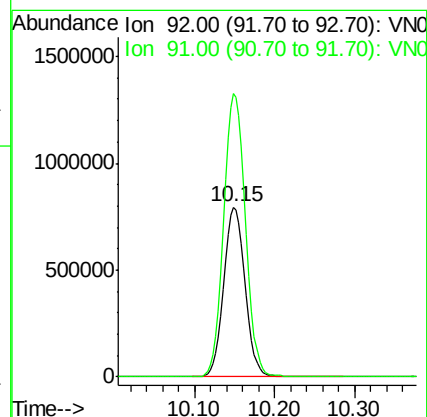
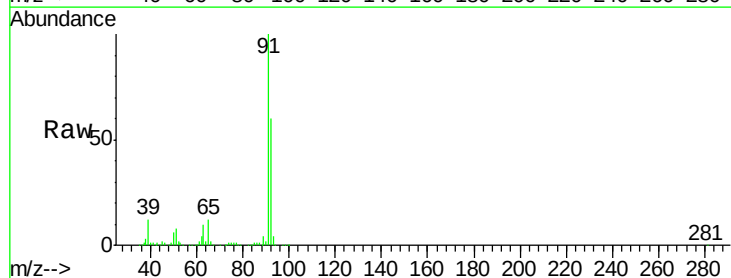
Ion Ratio Lower Upper

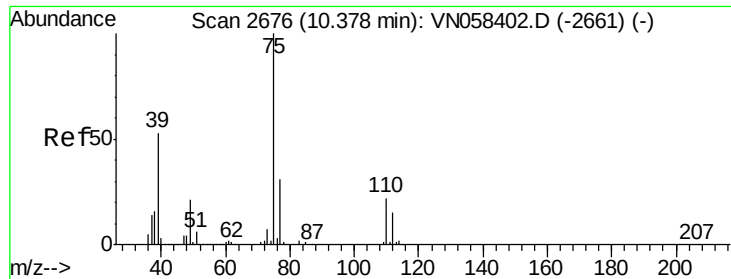
92 100

91 170.4

140.2

210.4





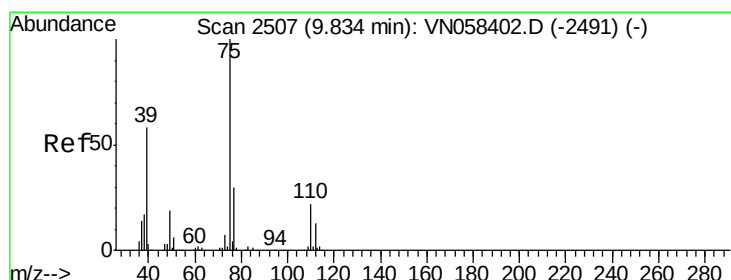
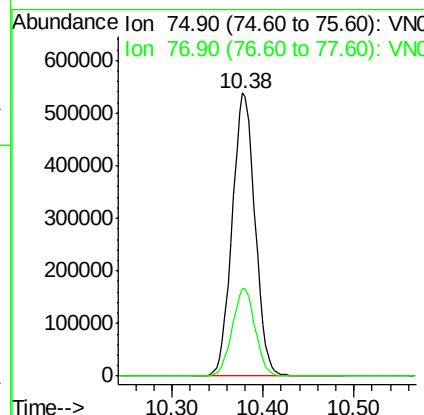
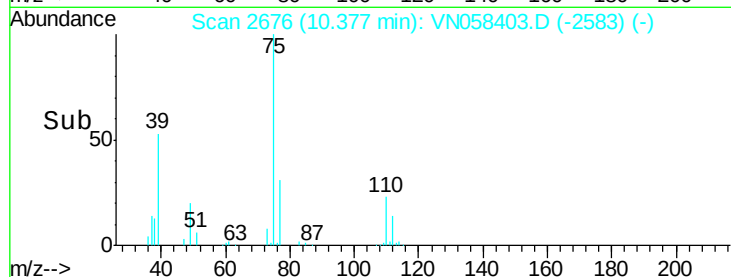
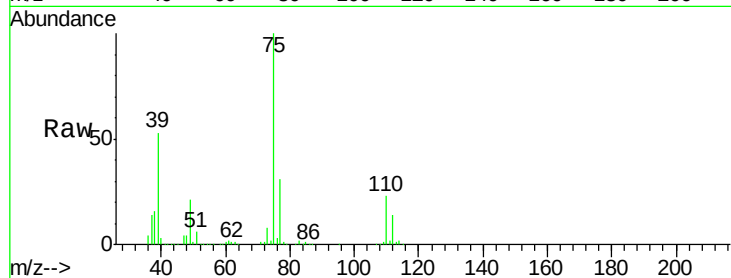
#53
t-1,3-Dichloropropene
Concen: 126.483 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 937509
Ion Ratio Lower Upper
75 100
77 30.9 25.2 37.8

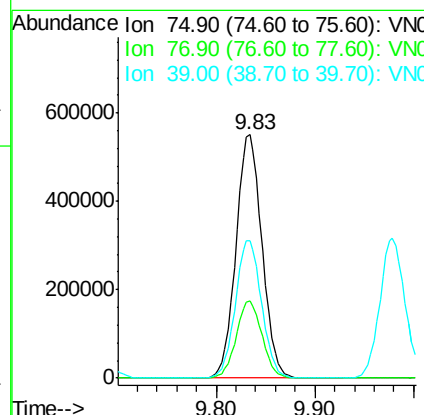
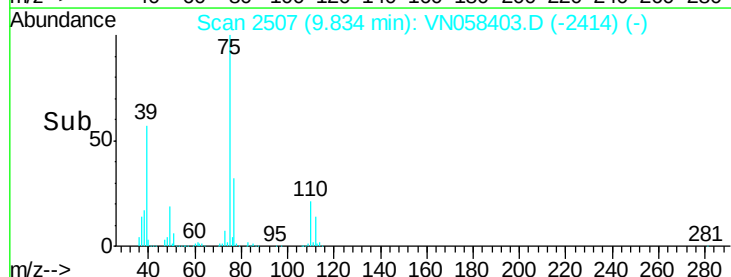
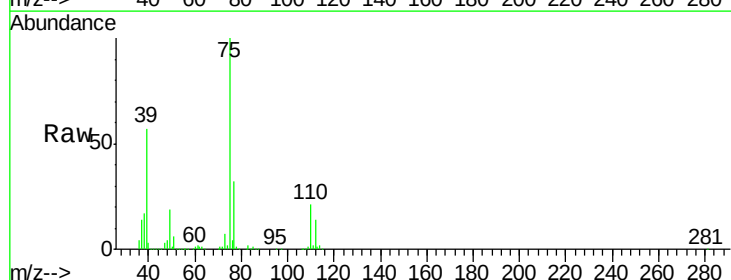
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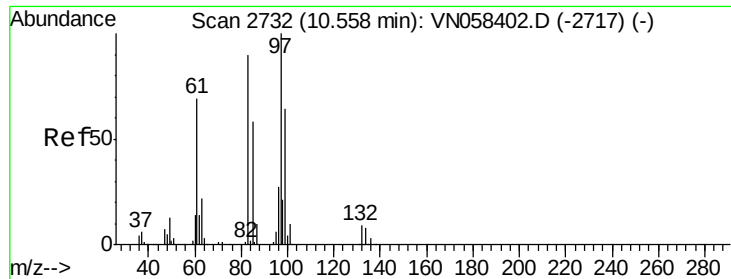
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#54
cis-1,3-Dichloropropene
Concen: 123.064 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion: 75 Resp: 1009826
Ion Ratio Lower Upper
75 100
77 31.7 24.2 36.4
39 56.6 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 105.694 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

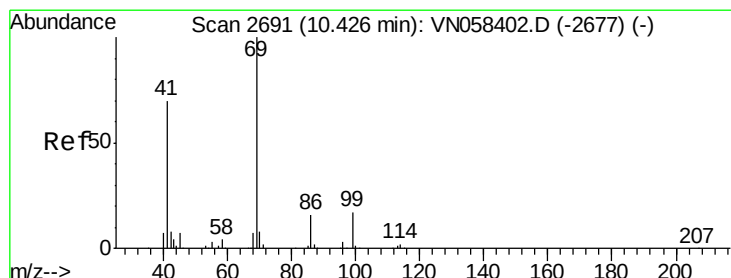
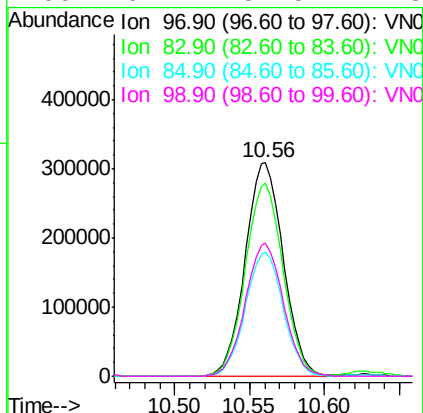
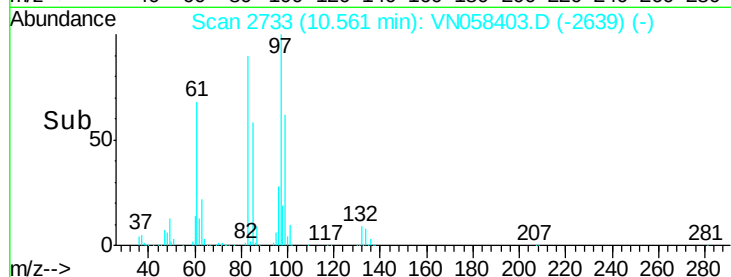
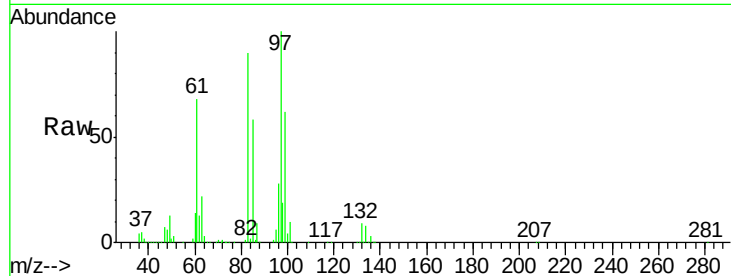
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	548044
Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.8	107.6
85	58.3	46.6	69.8
99	62.1	51.5	77.3

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#56

Ethyl methacrylate

Concen: 119.506 ug/l

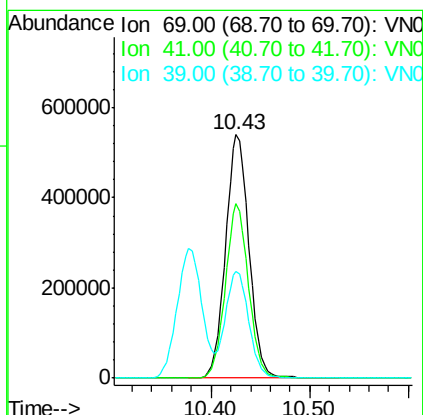
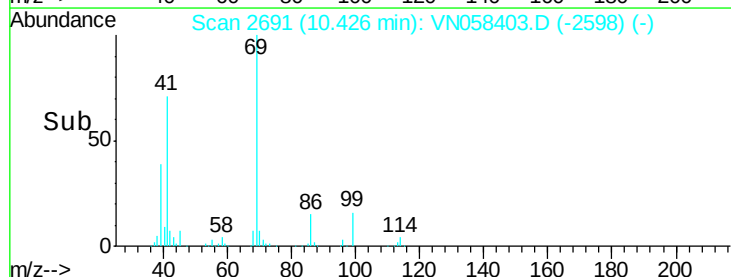
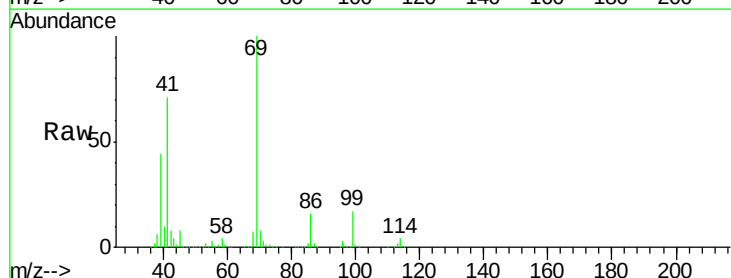
RT: 10.43 min Scan# 2691

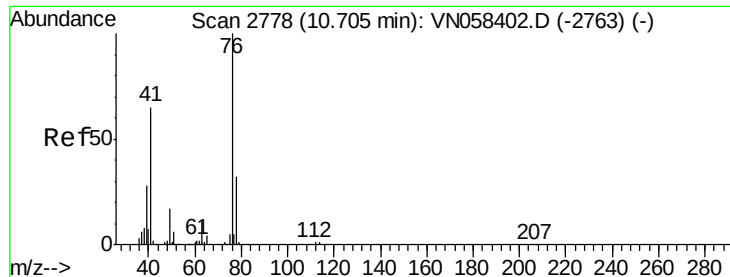
Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Tgt Ion:	69	Resp:	900274
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.3	84.5
39	43.9	35.8	53.6





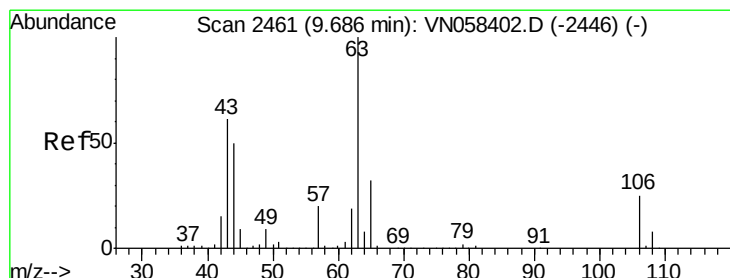
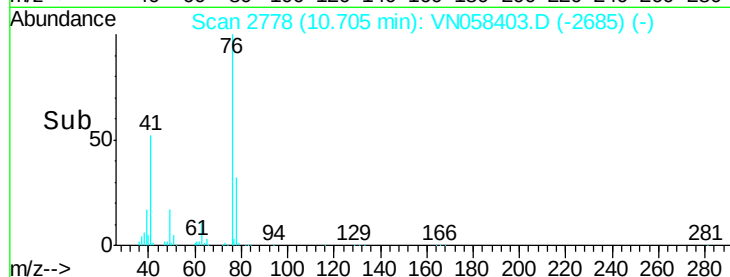
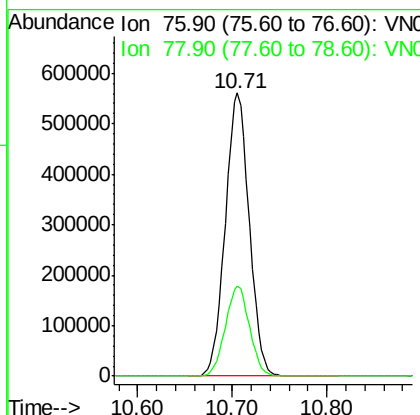
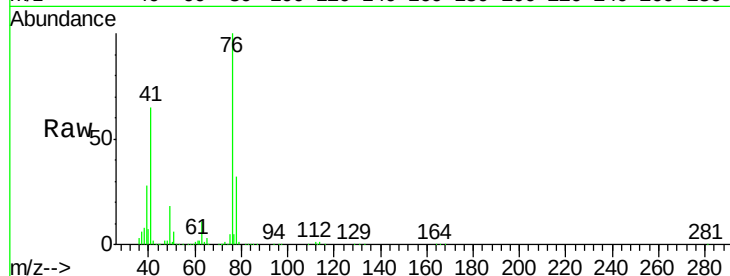
#57
 1,3-Dichloropropane
 Concen: 109.363 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.7	38.5

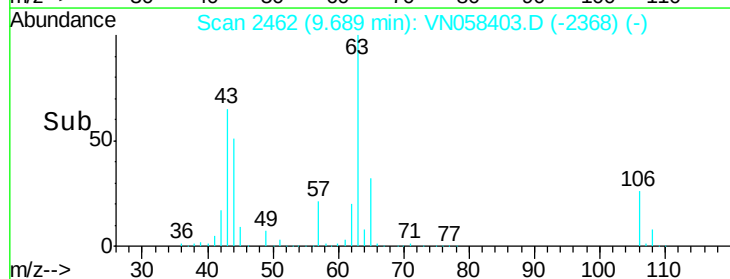
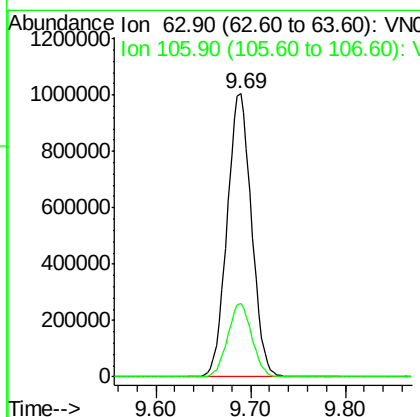
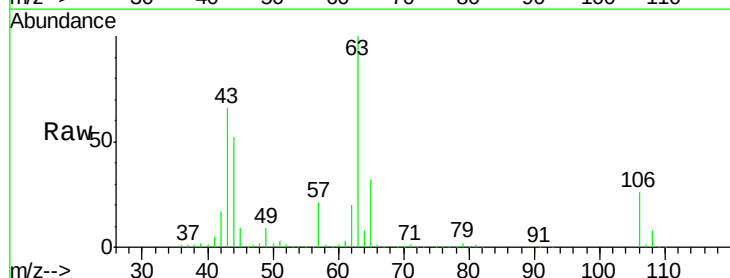
Manual Integrations
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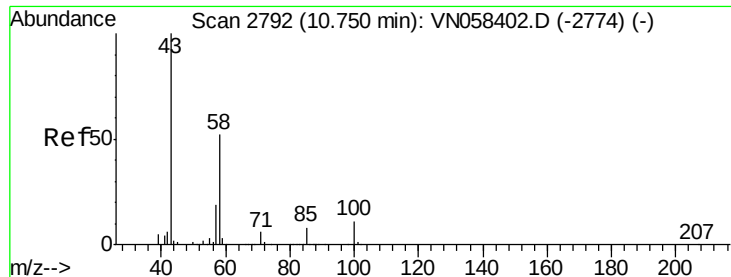
MMDadoda
 9/30/2019 10:18:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 521.533 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	20.3	30.5





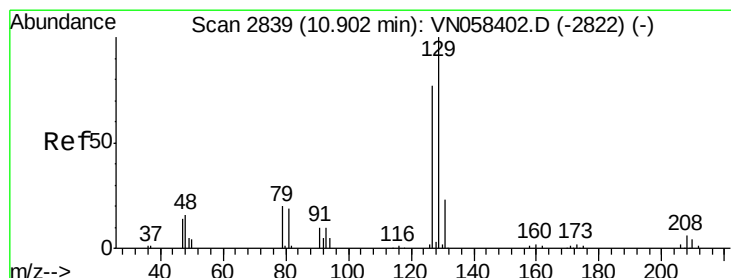
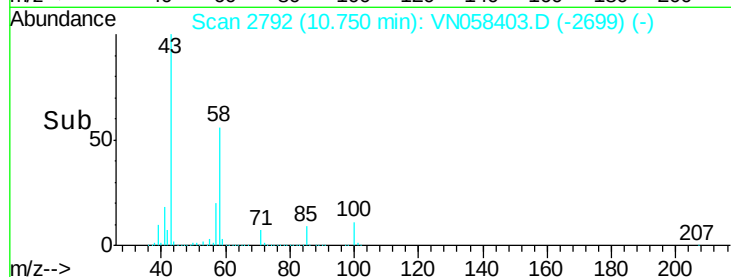
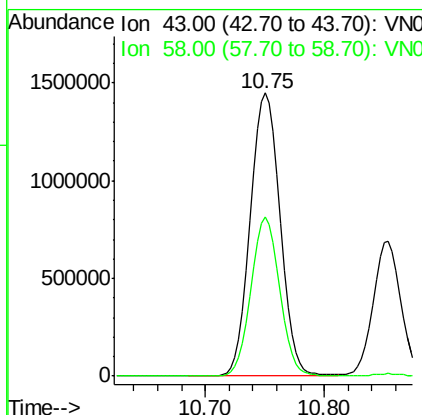
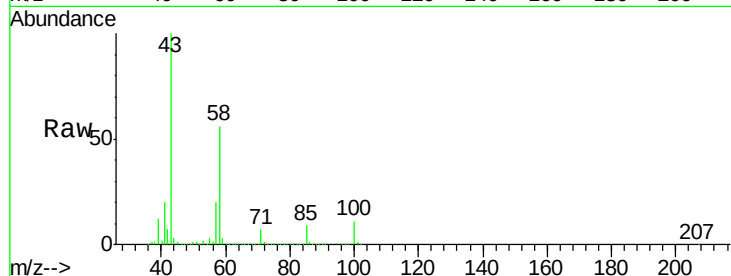
#59
2-Hexanone
Concen: 543.166 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2522237
Ion Ratio Lower Upper
43 100
58 54.0 25.8 77.3

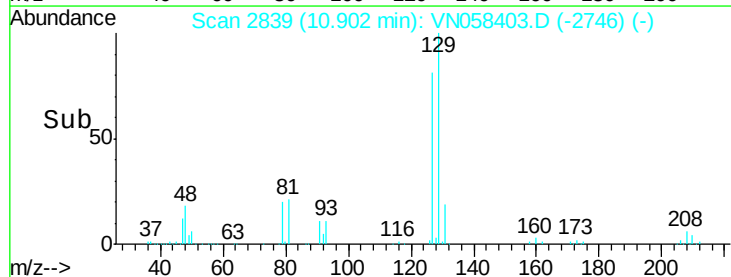
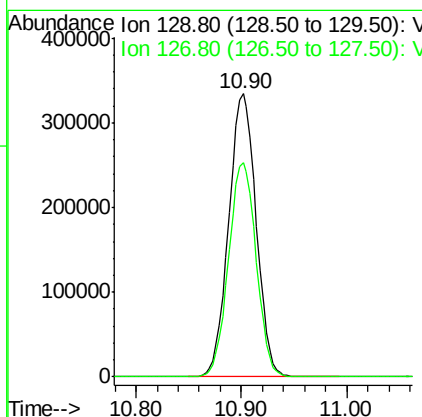
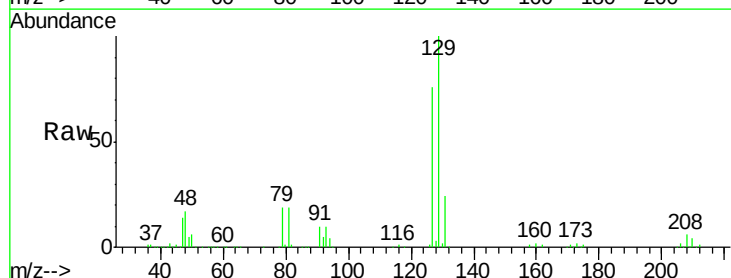
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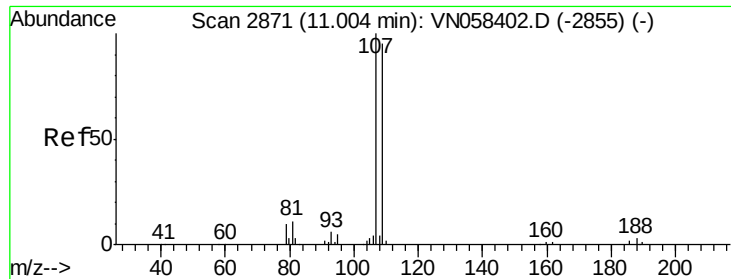
MMDadoda
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#60
Dibromochloromethane
Concen: 120.444 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion: 129 Resp: 601164
Ion Ratio Lower Upper
129 100
127 76.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 117.558 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 576432

Ion Ratio Lower Upper

107 100

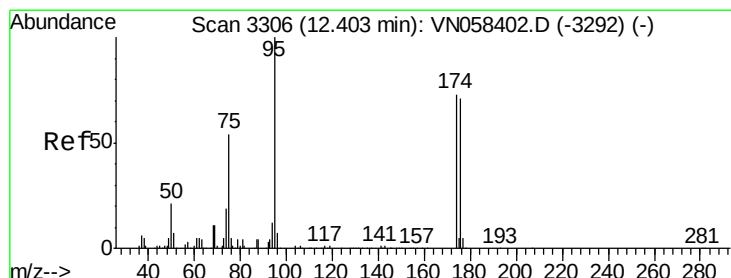
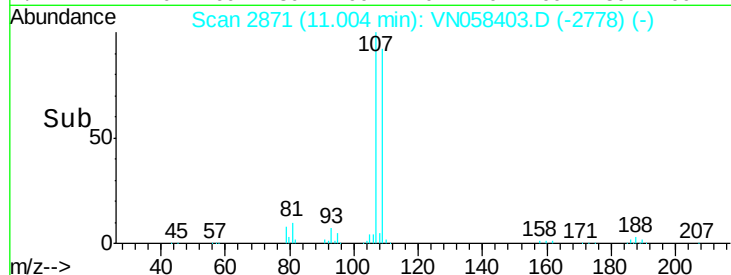
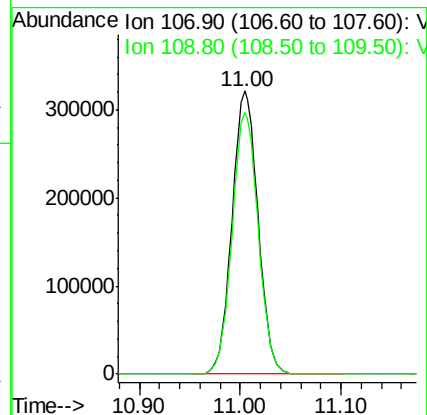
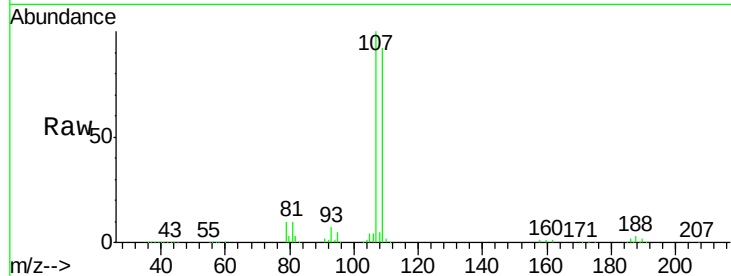
109 93.0 75.3 112.9

Manual Integrations

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9/30/2019 10:18:40 AM



#62

4-Bromofluorobenzene

Concen: 104.526 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

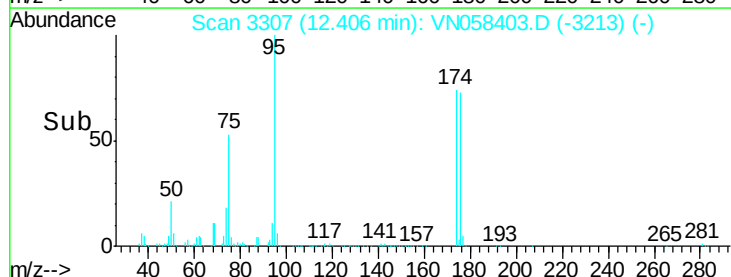
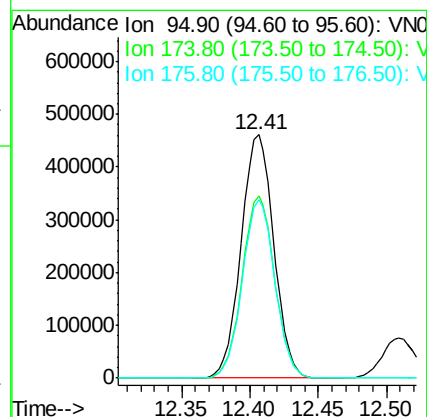
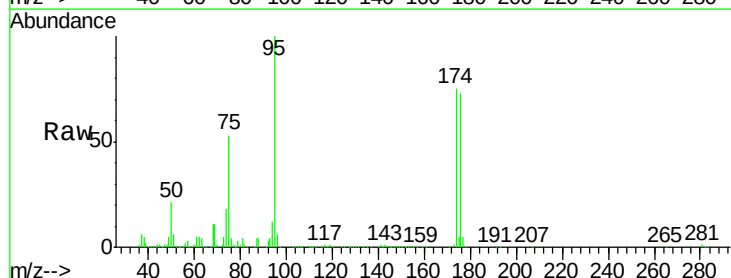
Tgt Ion: 95 Resp: 767505

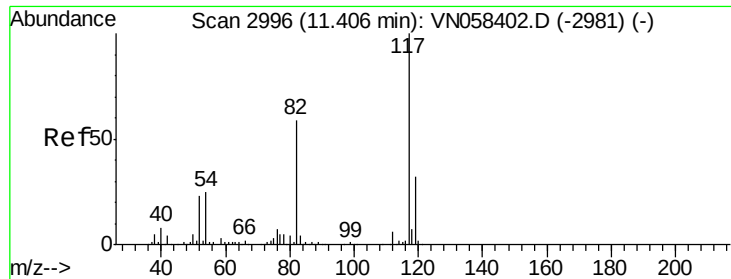
Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.6

176 72.6 0.0 146.2





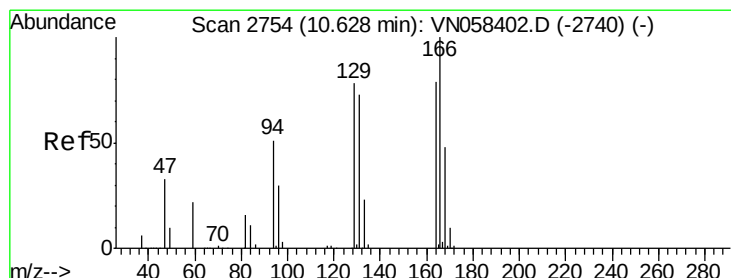
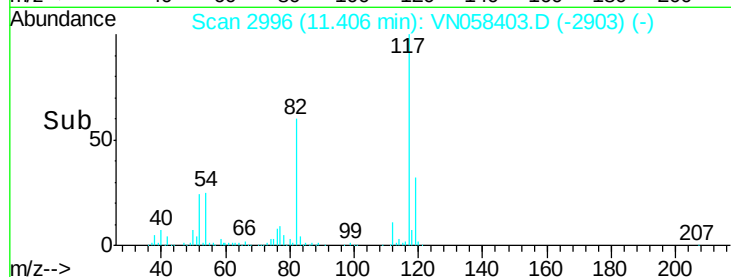
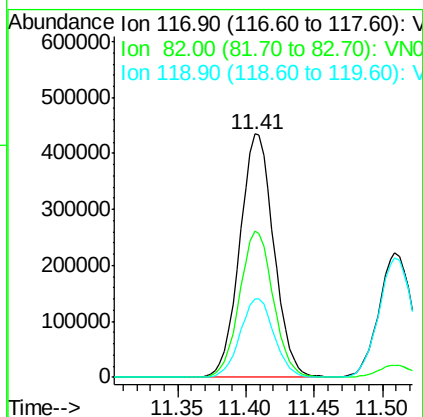
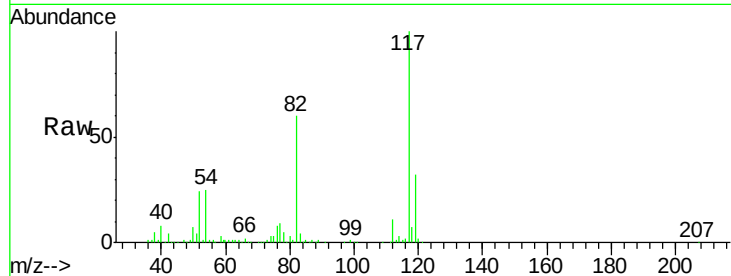
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	753507		
82	59.9	47.4	71.0	
119	32.1	25.5	38.3	

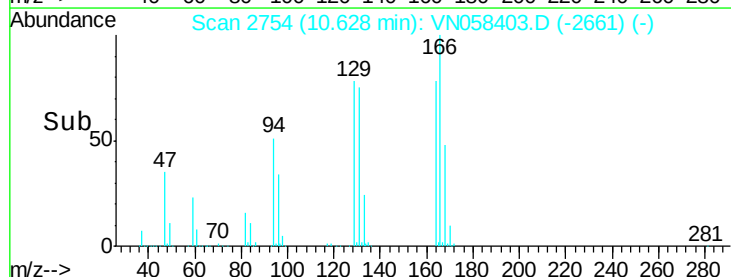
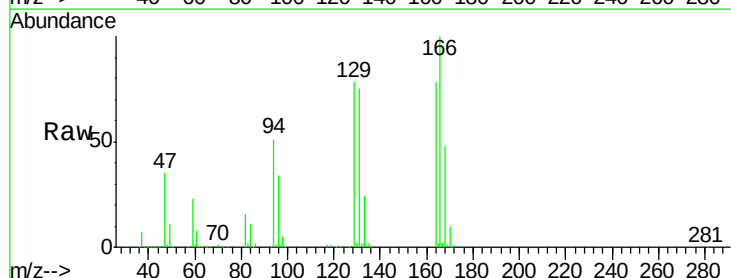
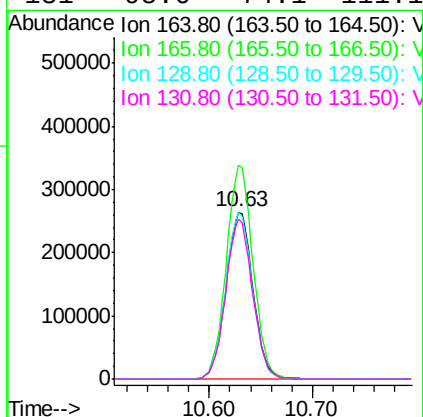
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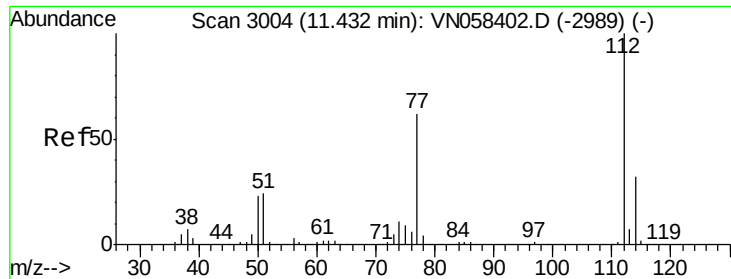
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#64
Tetrachloroethene
Concen: 123.780 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	482885		
166	128.1	101.1	151.7	
129	100.0	79.2	118.8	
131	95.6	74.1	111.1	





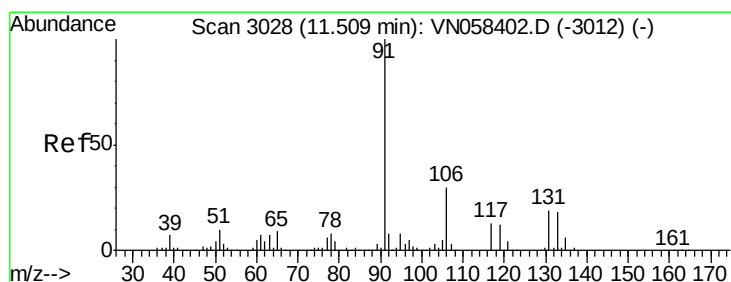
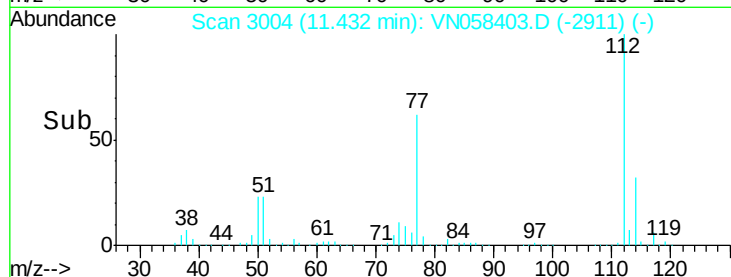
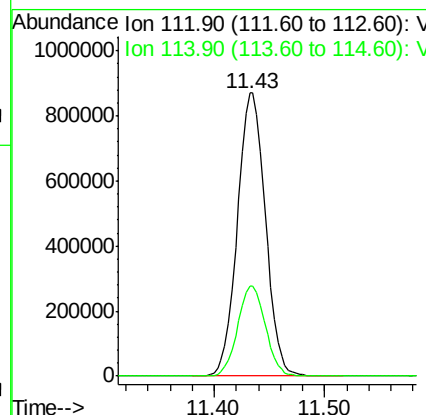
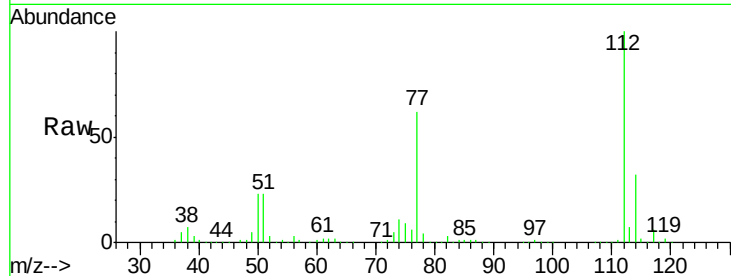
#65
Chlorobenzene
Concen: 112.076 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 1530560
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

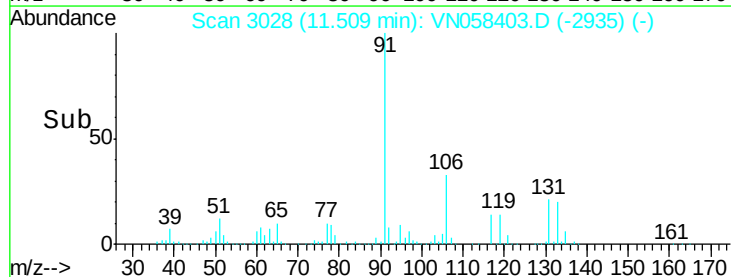
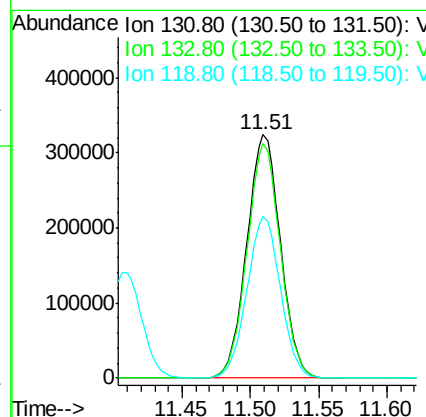
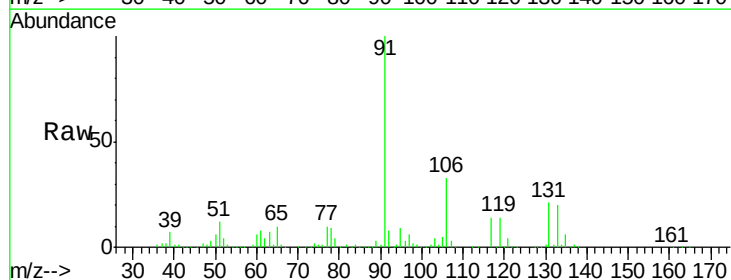
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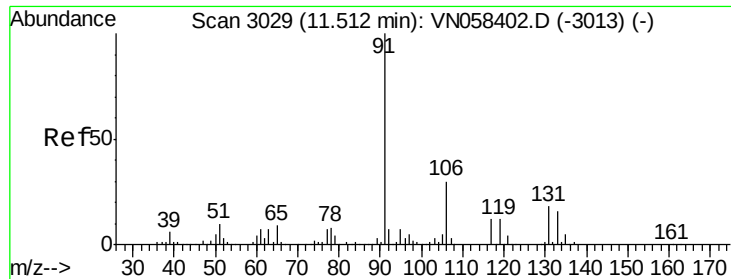
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#66
1,1,1,2-Tetrachloroethane
Concen: 113.834 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion:131 Resp: 555016
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.1 33.0 99.0





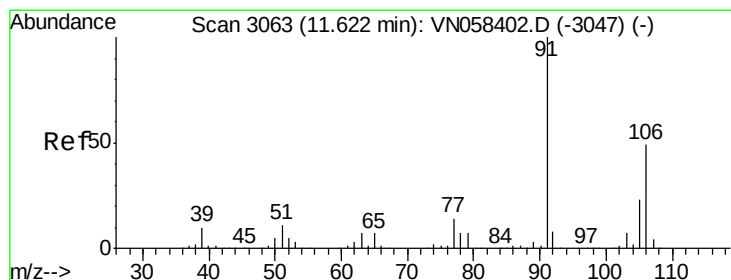
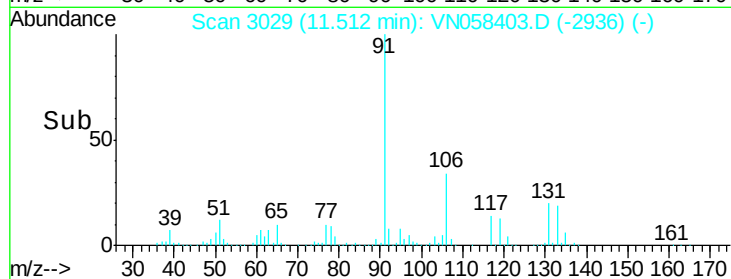
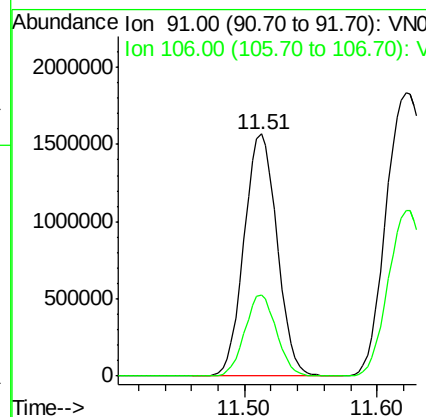
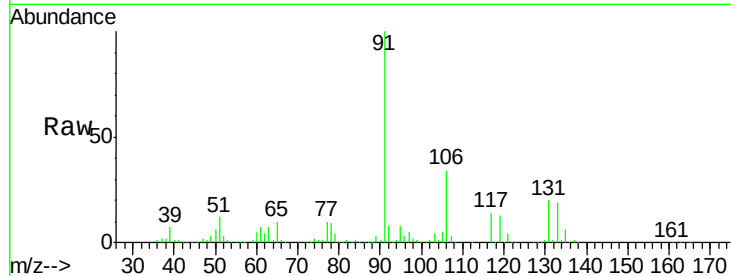
#67
Ethyl Benzene
Concen: 115.175 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2717446
Ion Ratio Lower Upper
91 100
106 33.7 24.3 36.5

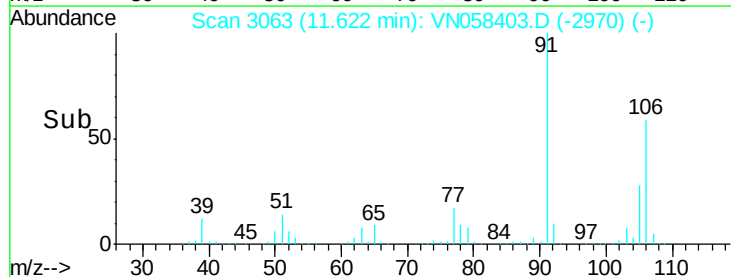
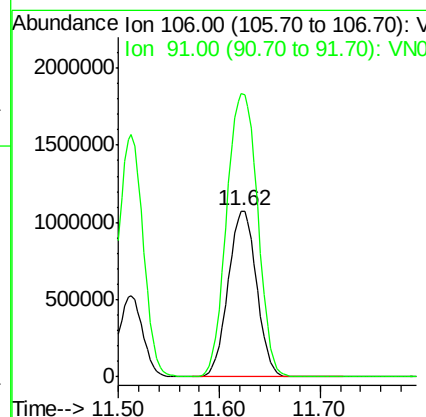
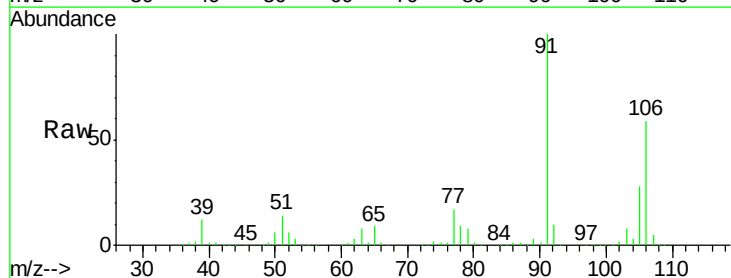
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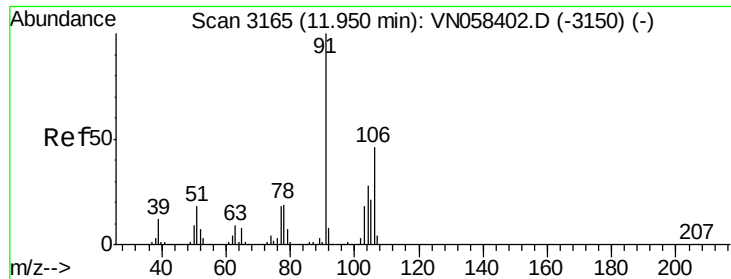
MMDadoda
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#68
m/p-Xylenes
Concen: 237.709 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion: 106 Resp: 2115082
Ion Ratio Lower Upper
106 100
91 186.1 165.0 247.4





#69

o-Xylene

Concen: 117.245 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:106 Resp: 1020461

Ion Ratio Lower Upper

106 100

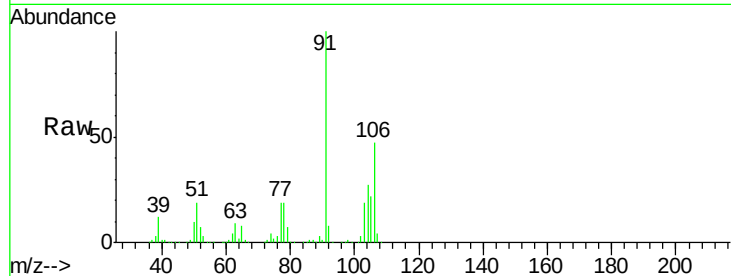
91 215.0 109.1 327.4

Manual Integrations

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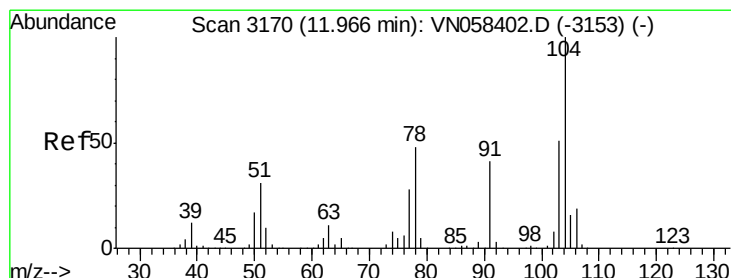
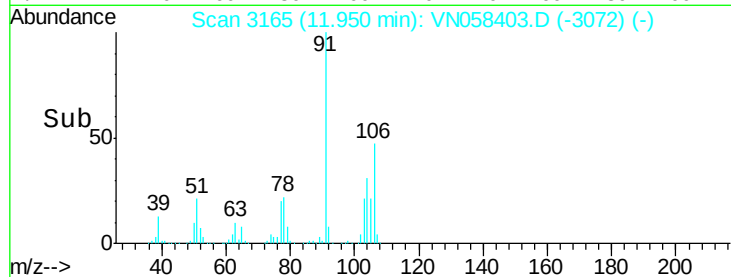
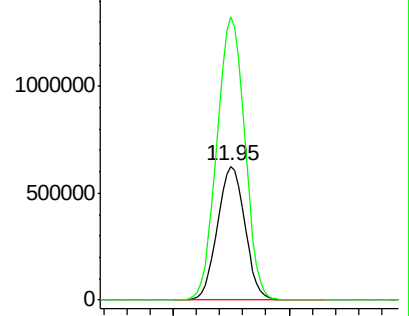
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 117.996 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

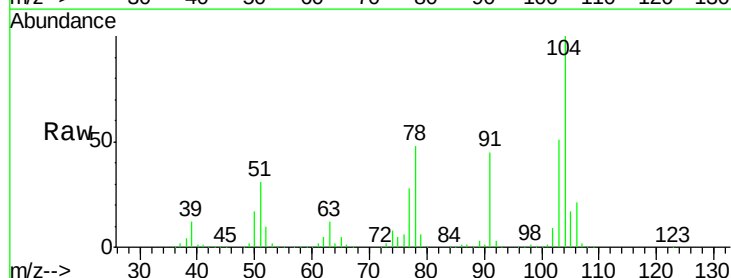
Tgt Ion:104 Resp: 1750308

Ion Ratio Lower Upper

104 100

78 53.4 42.8 64.2

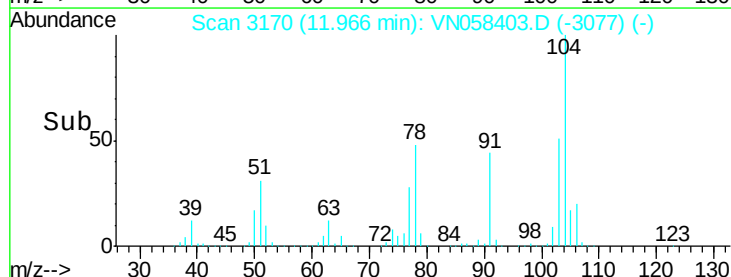
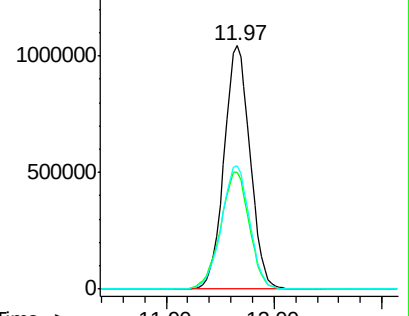
103 55.0 43.7 65.5

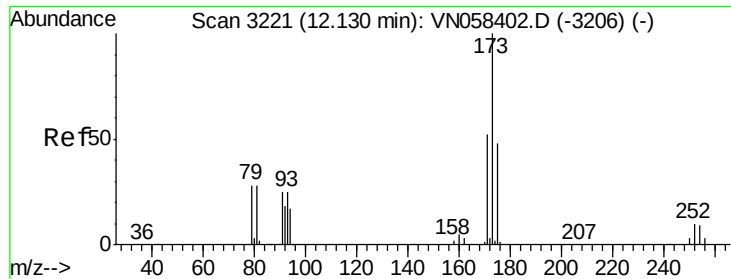


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





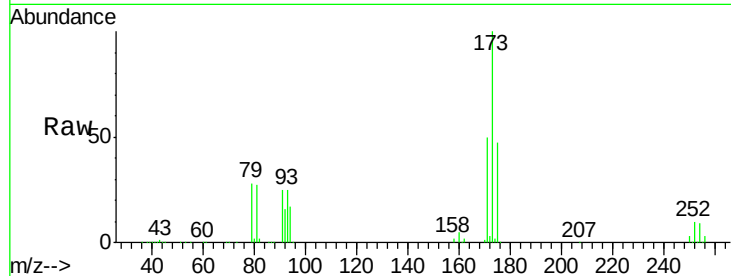
#71
Bromoform
Concen: 125.584 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

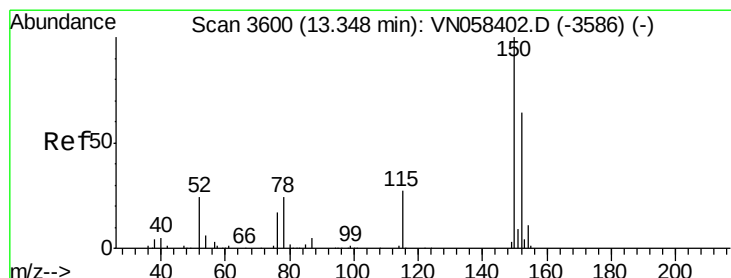
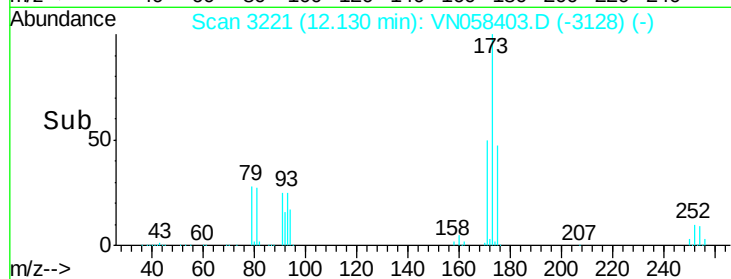
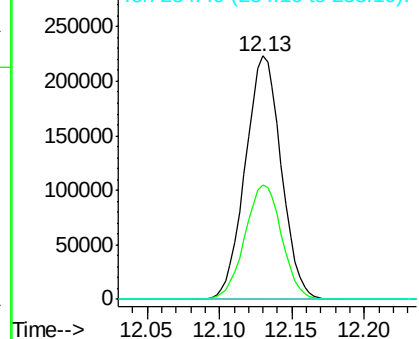
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	73.0
254	0.2	0.1	0.1#

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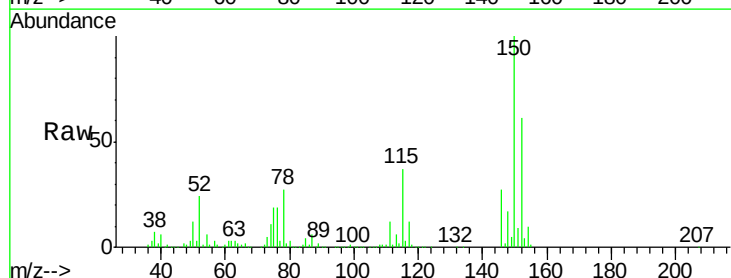


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

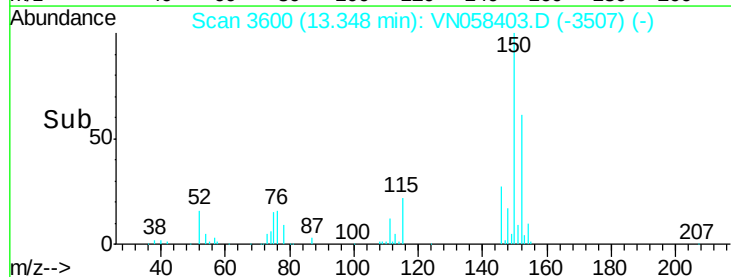
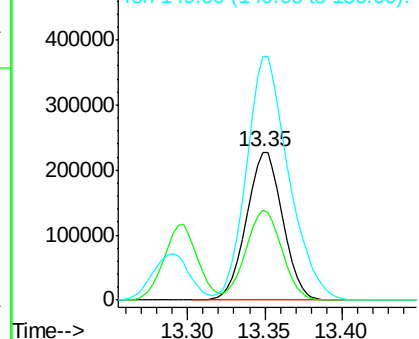


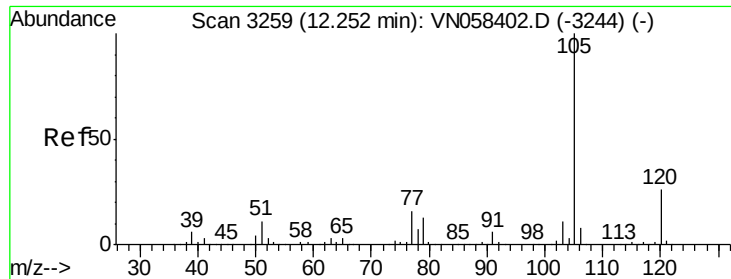
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.0	90.0
150	191.5	0.0	348.2



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





#73

Isopropylbenzene

Concen: 110.581 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2648332

Ion Ratio Lower Upper

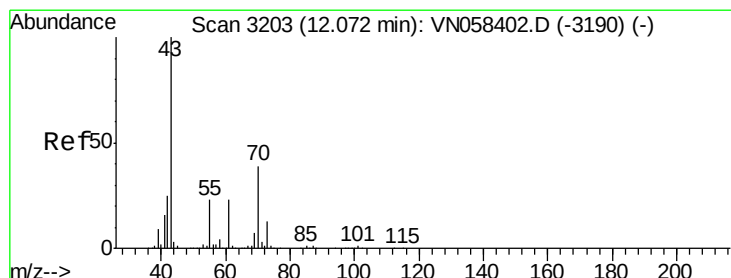
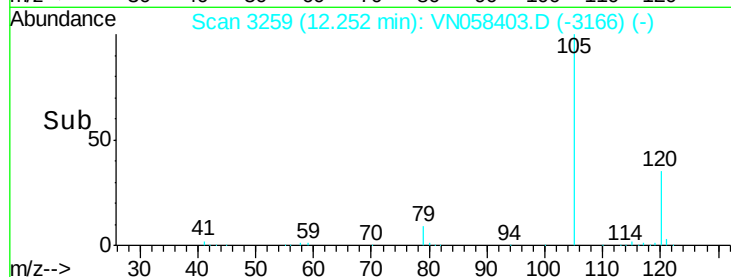
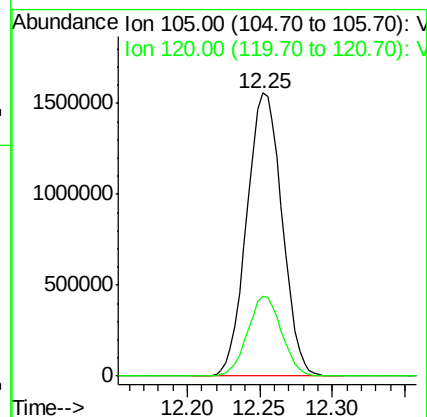
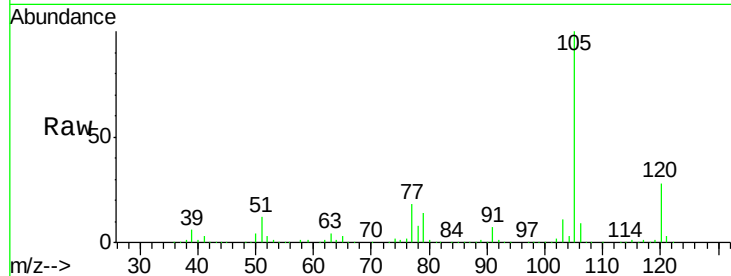
105 100

120 27.2 12.8 38.4

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9/30/2019 10:18:40 AM



#74

N-ethyl acetate

Concen: 119.109 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Tgt Ion: 43 Resp: 1179336

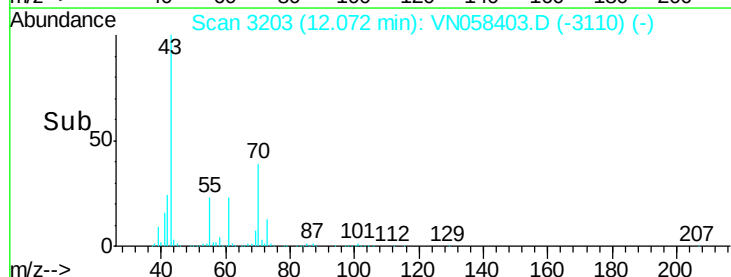
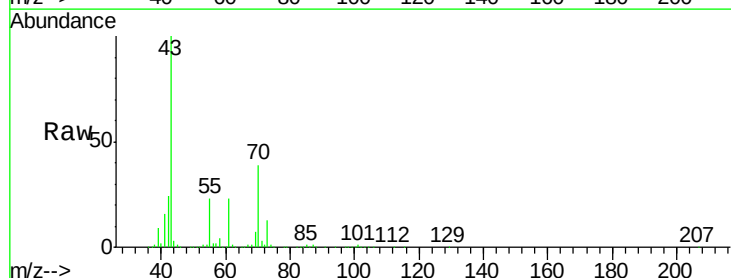
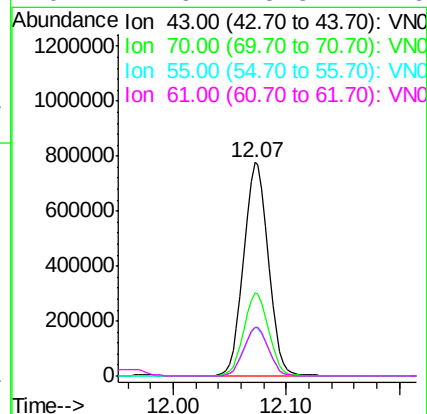
Ion Ratio Lower Upper

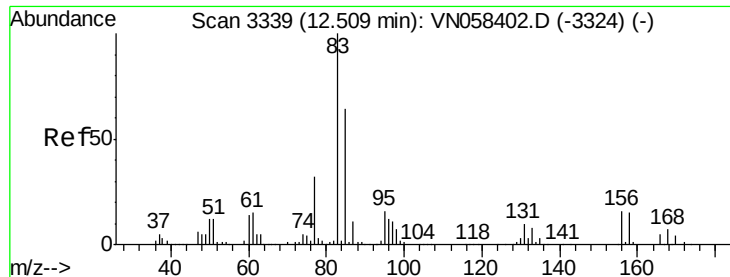
43 100

70 39.4 31.4 47.2

55 22.7 18.2 27.4

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 102.198 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 83 Resp: 798737
Ion Ratio Lower Upper

83 100

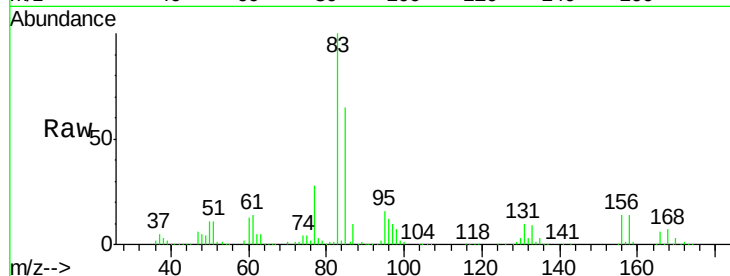
131 9.8 4.9 14.7

85 64.4 32.0 96.0

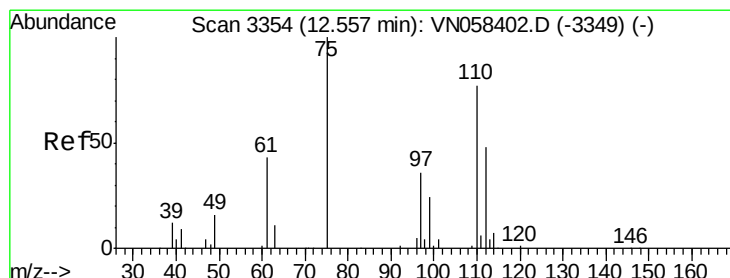
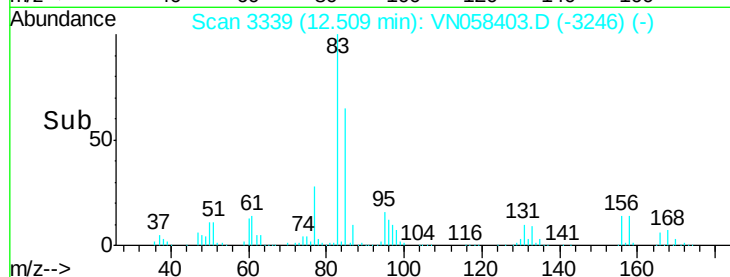
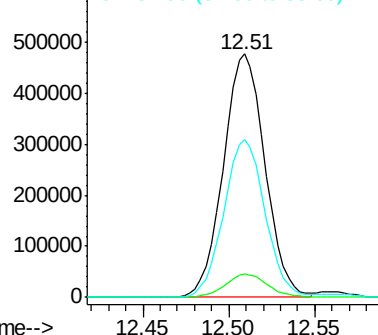
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 97.558 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

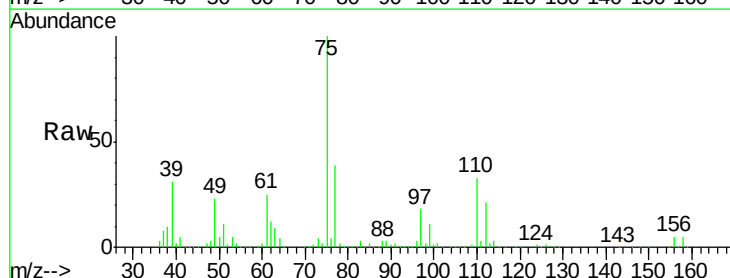
Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

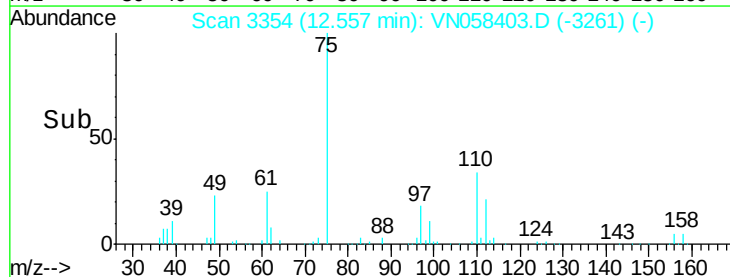
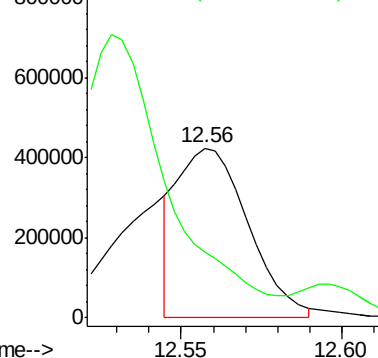
Tgt Ion: 75 Resp: 655387
Ion Ratio Lower Upper

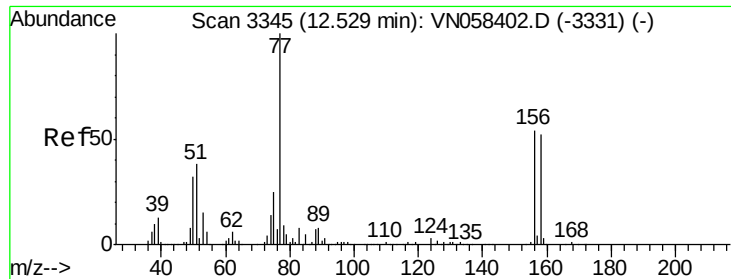
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 106.946 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

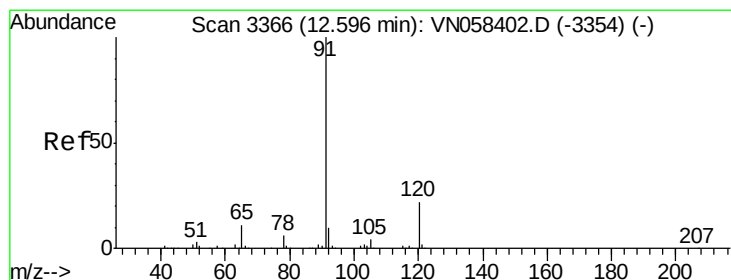
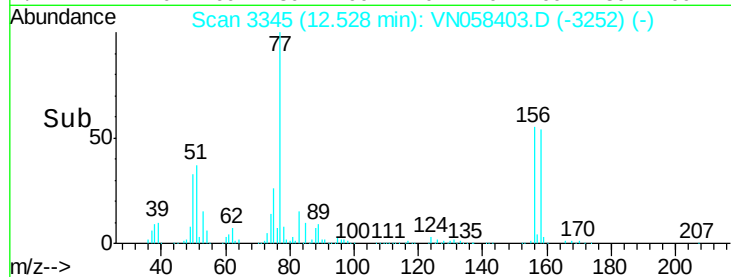
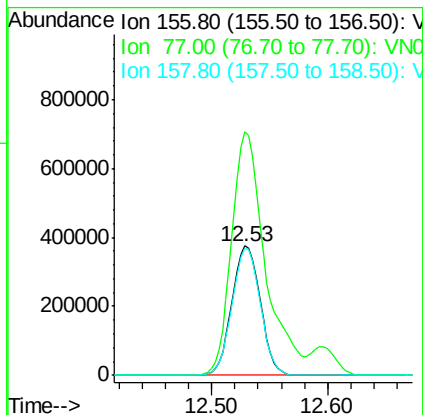
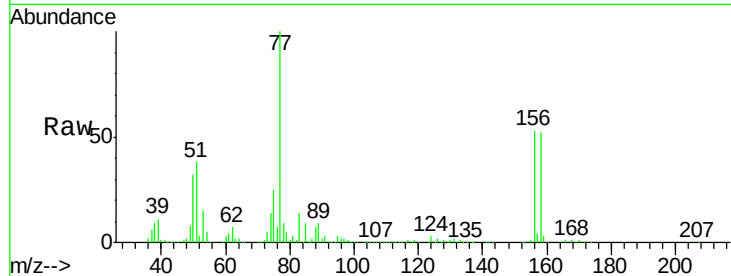
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		638631		
77	222.3	110.0	330.0		
158	97.5	47.9	143.8		

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#78

n-propylbenzene

Concen: 110.332 ug/l

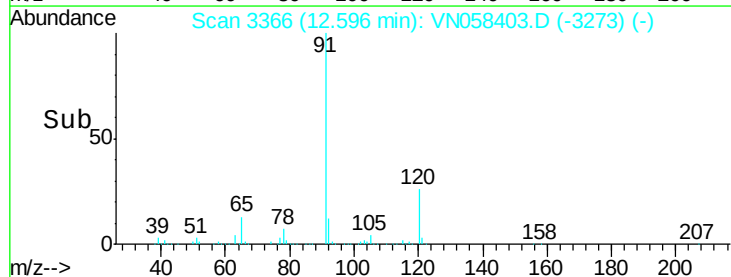
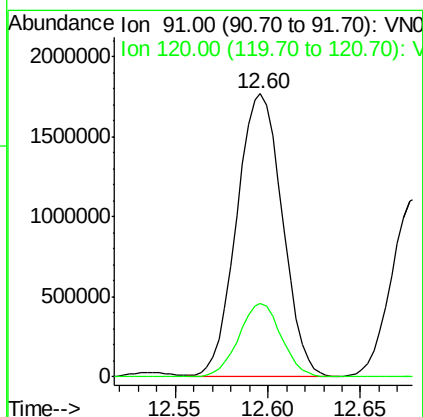
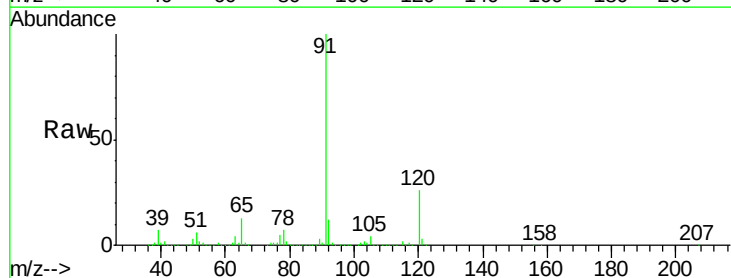
RT: 12.60 min Scan# 3366

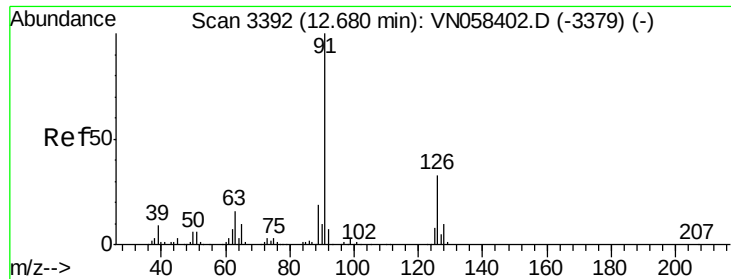
Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		3004708		
120	24.2	10.9	32.9		





#79

2-Chlorotoluene

Concen: 111.991 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1895618

Ion Ratio Lower Upper

91 100

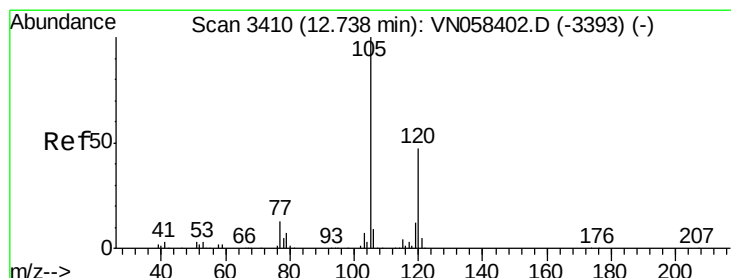
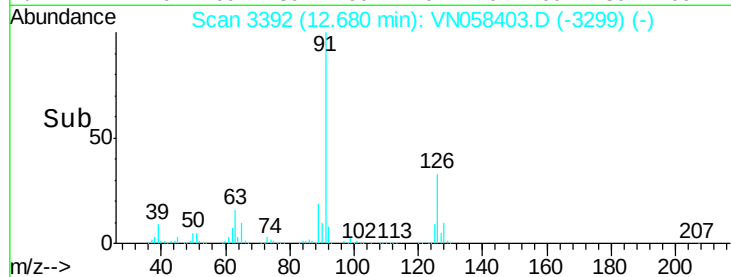
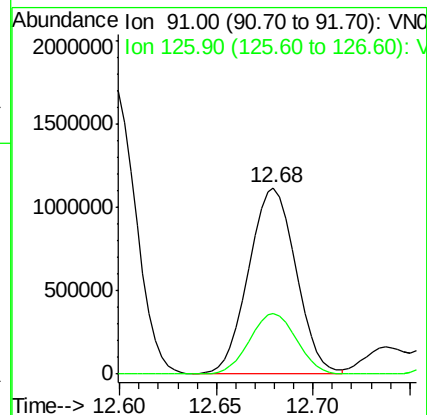
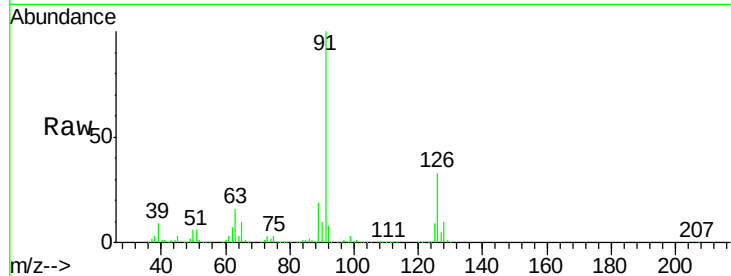
126 32.7 16.2 48.6

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#80

1,3,5-Trimethylbenzene

Concen: 113.455 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058403.D

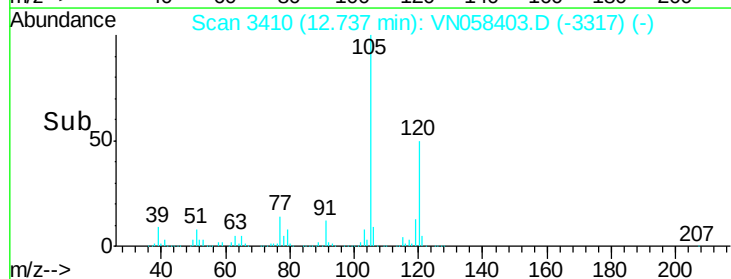
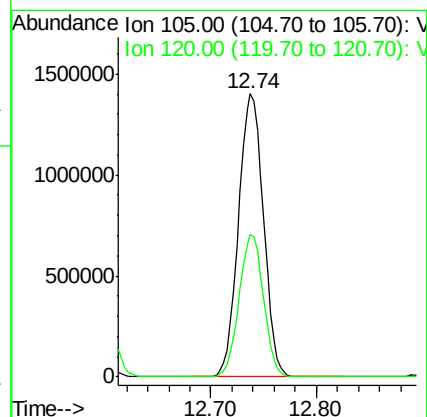
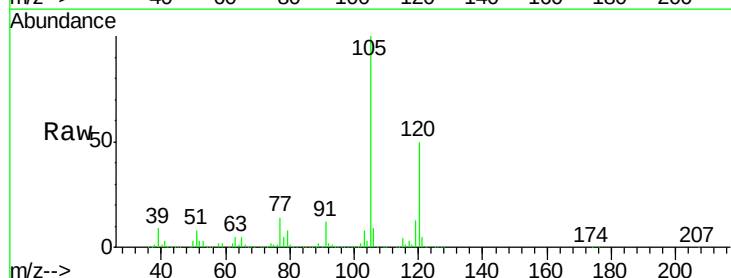
Acq: 27 Sep 2019 12:39

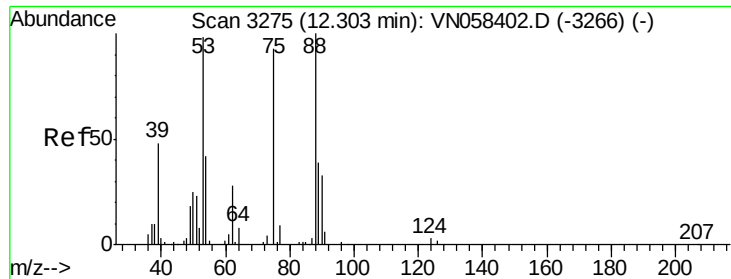
Tgt Ion: 105 Resp: 2290206

Ion Ratio Lower Upper

105 100

120 49.1 23.5 70.6





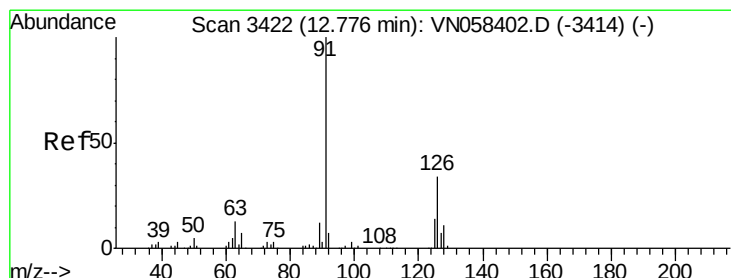
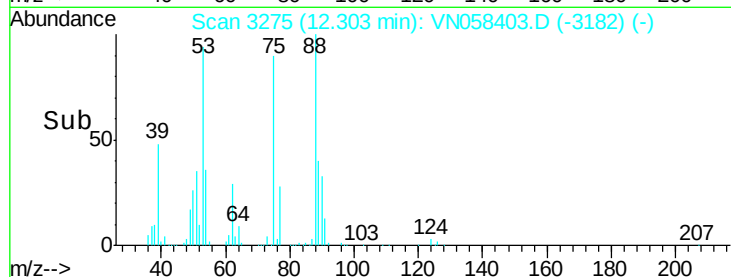
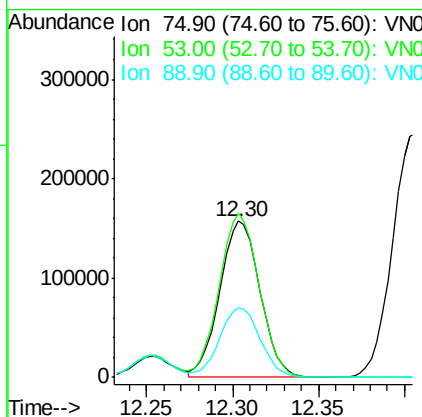
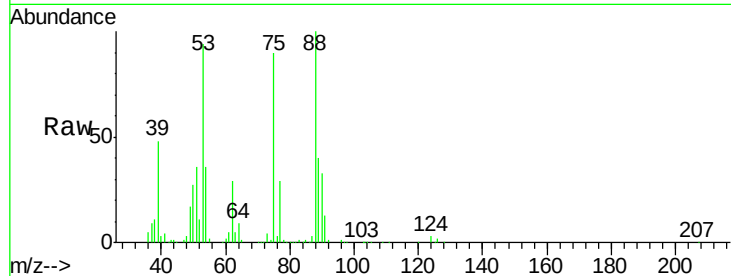
#81
trans-1,4-Dichloro-2-butene
Concen: 124.613 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	85.4	128.0
89	45.0	35.0	52.4

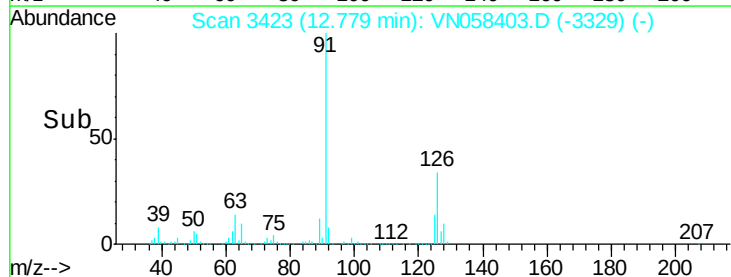
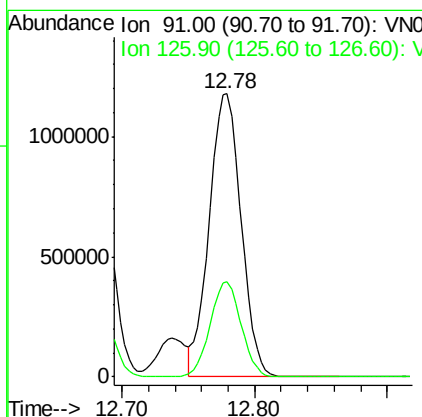
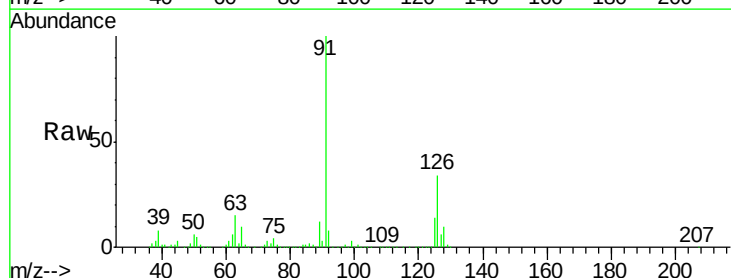
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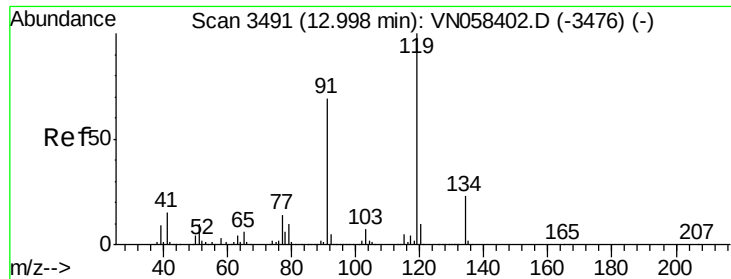
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#82
4-Chlorotoluene
Concen: 110.945 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	15.9	47.7





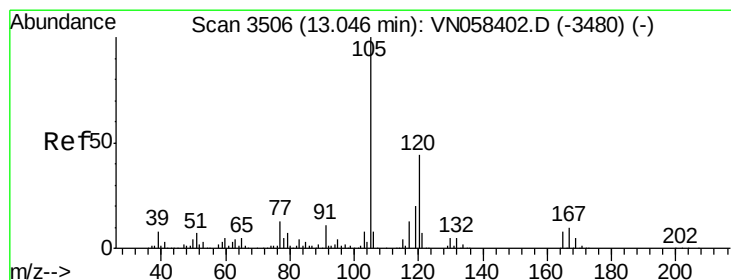
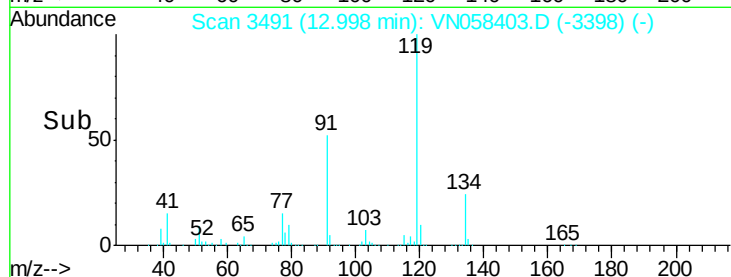
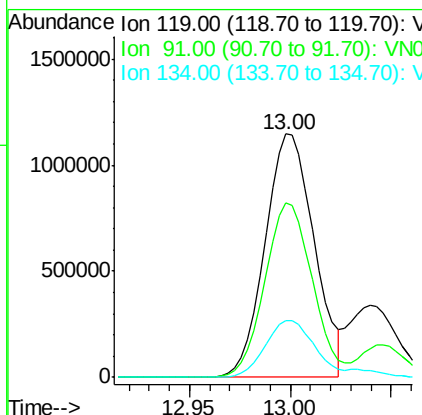
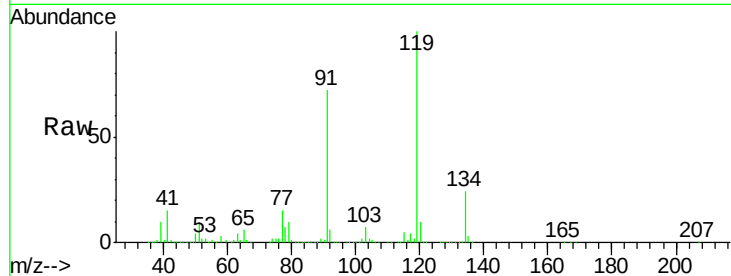
#83
 tert-Butylbenzene
 Concen: 108.606 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1936300
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.2 102.6
 134 25.7 11.6 34.8

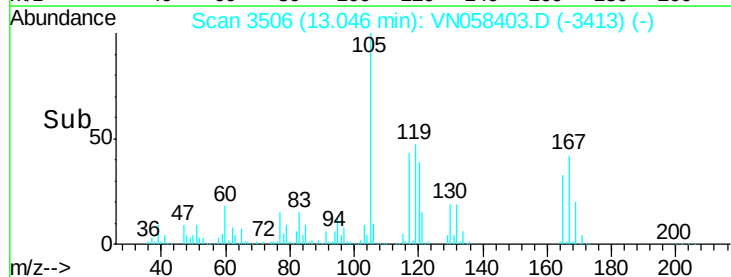
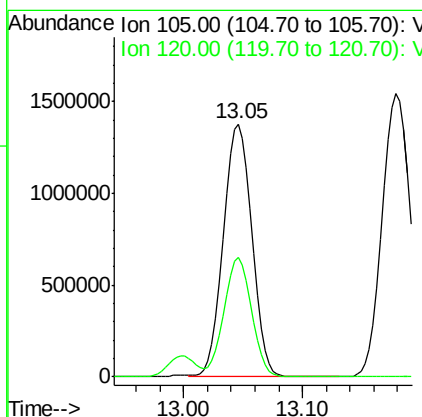
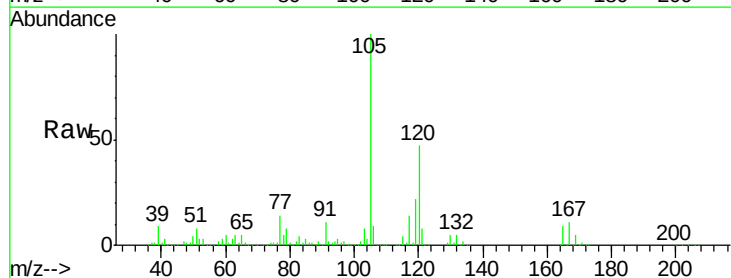
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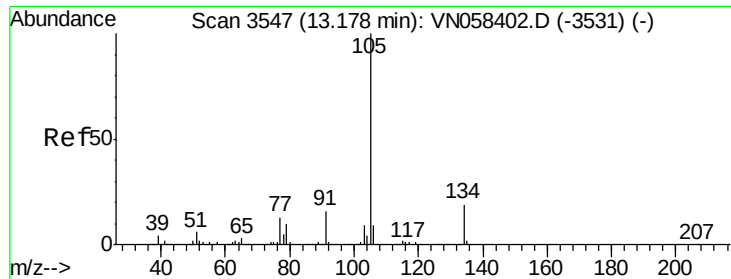
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#84
 1,2,4-Trimethylbenzene
 Concen: 113.941 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion:105 Resp: 2290163
 Ion Ratio Lower Upper
 105 100
 120 45.4 21.7 65.1





#85

sec-Butylbenzene

Concen: 109.290 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2547890

Ion Ratio Lower Upper

105 100

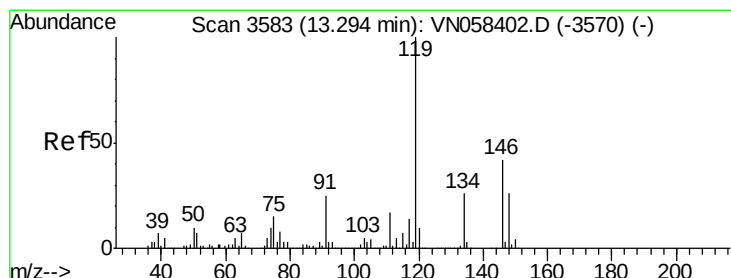
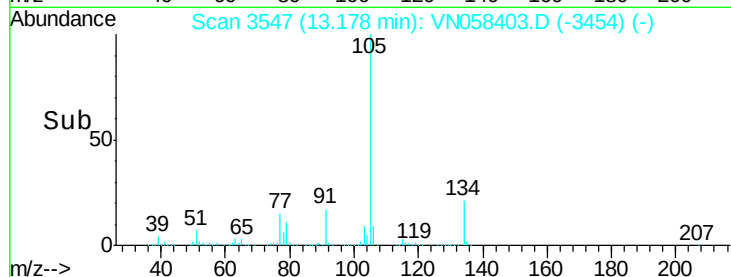
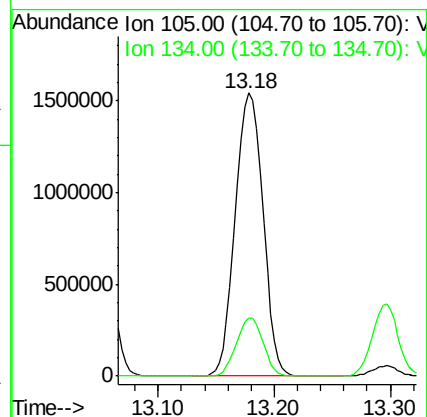
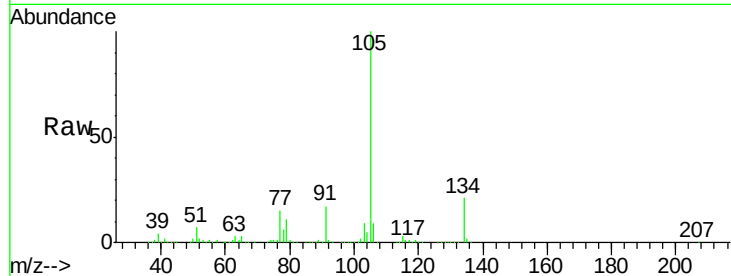
134 19.9 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 111.491 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

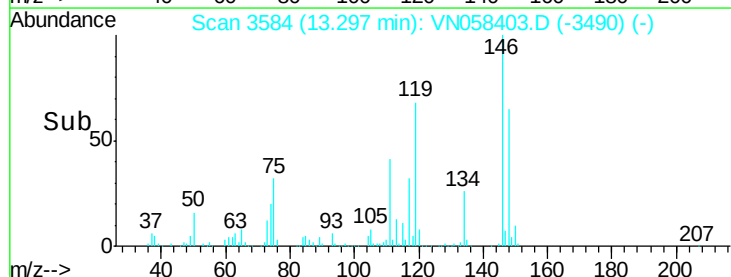
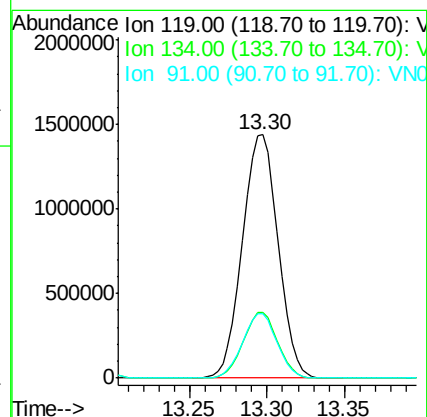
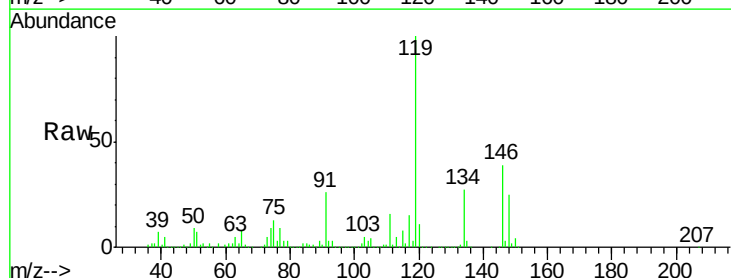
Tgt Ion:119 Resp: 2305671

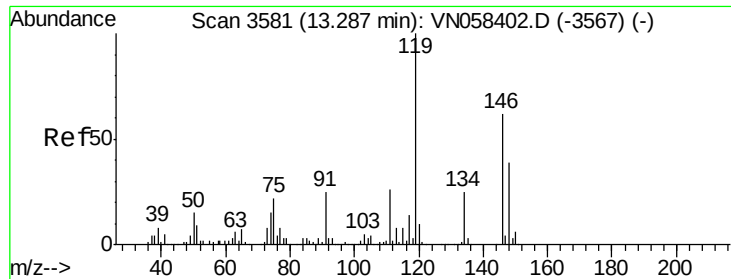
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

91 25.7 12.4 37.0





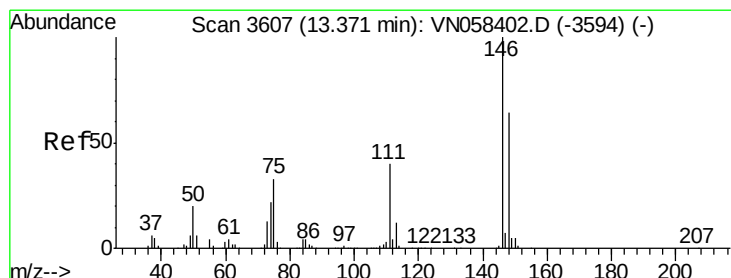
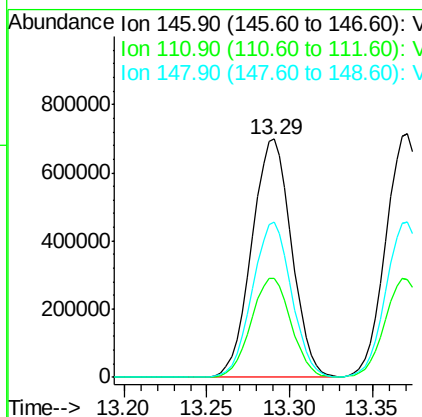
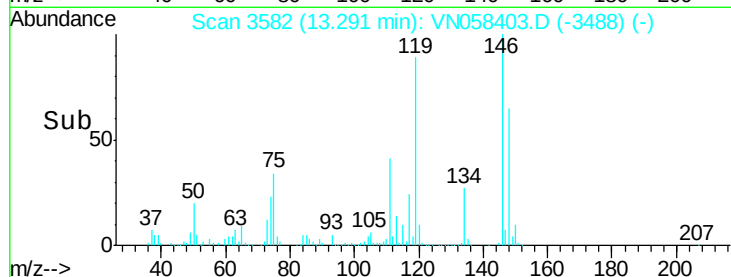
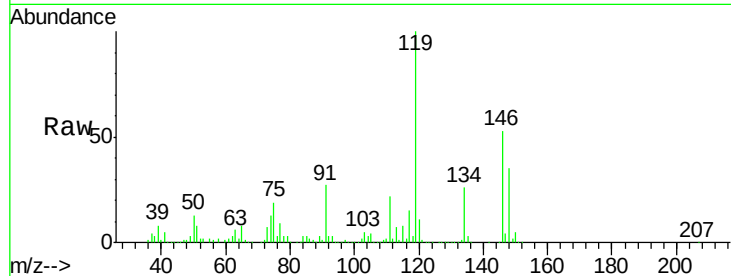
#87
 1,3-Dichlorobenzene
 Concen: 108.095 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1170575
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.8 62.4
 148 64.2 31.4 94.3

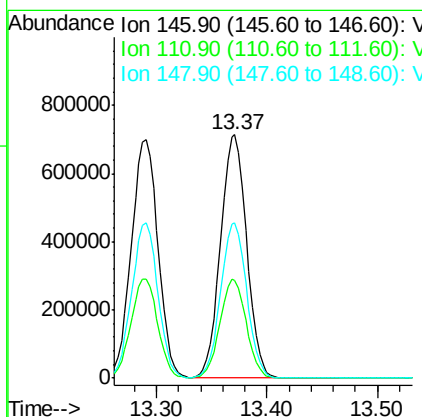
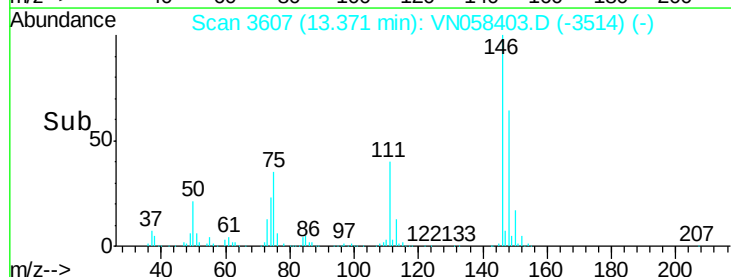
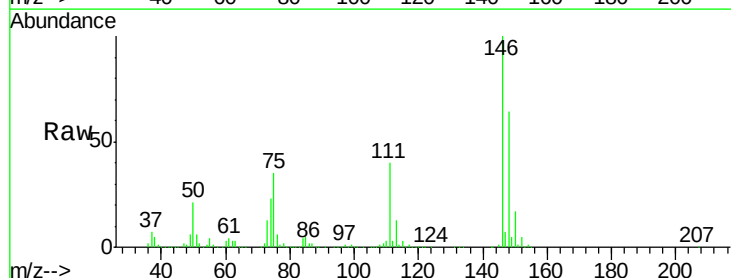
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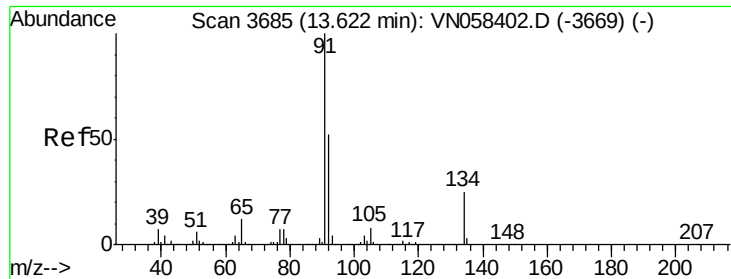
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#88
 1,4-Dichlorobenzene
 Concen: 106.294 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion:146 Resp: 1171747
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.5 61.6
 148 63.7 31.5 94.5





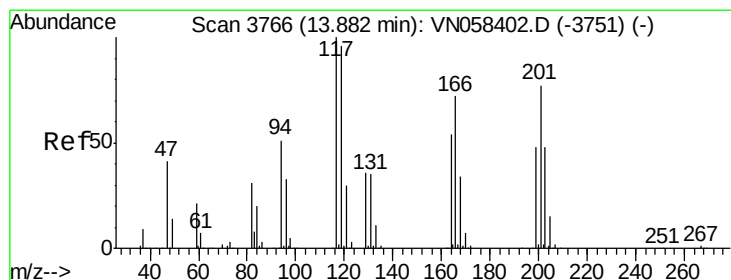
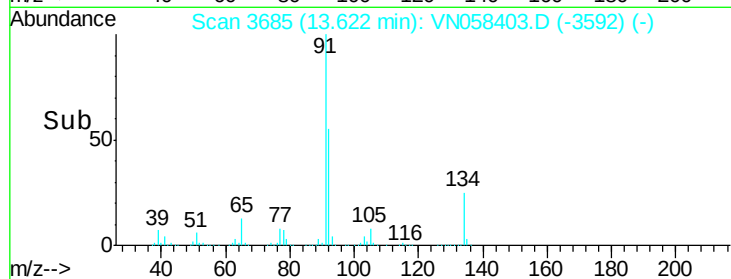
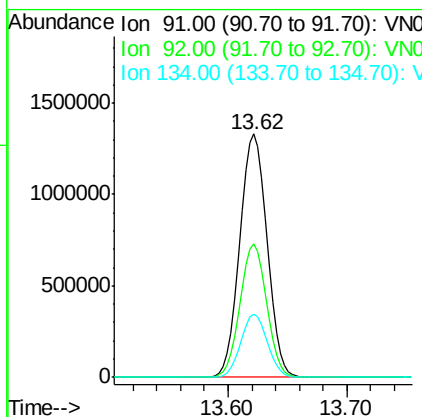
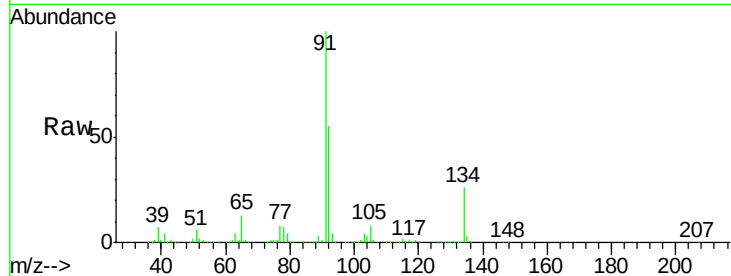
#89
n-Butylbenzene
Concen: 109.424 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	25.7	77.1
134	25.2	12.2	36.6

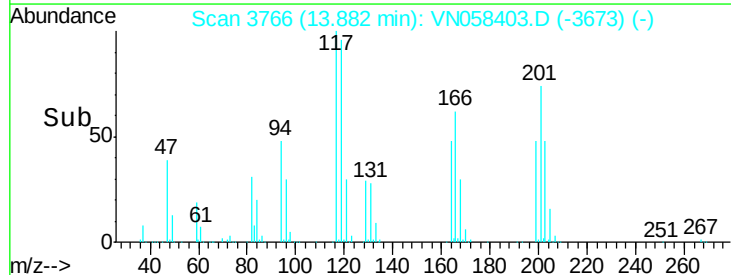
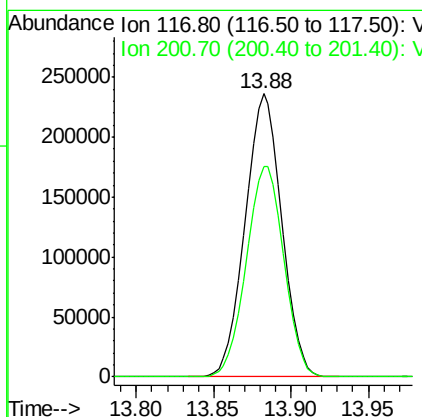
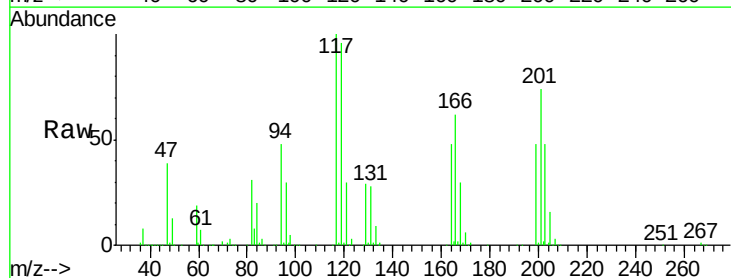
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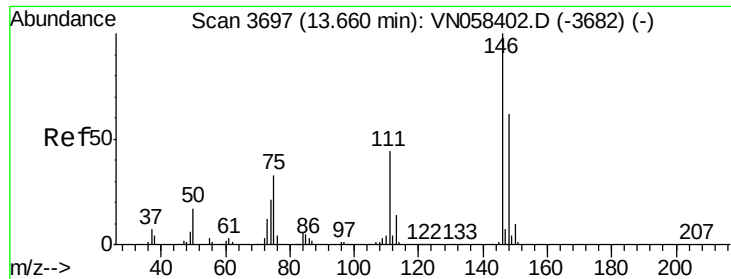
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#90
Hexachloroethane
Concen: 121.585 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058403.D
Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.6	116.0





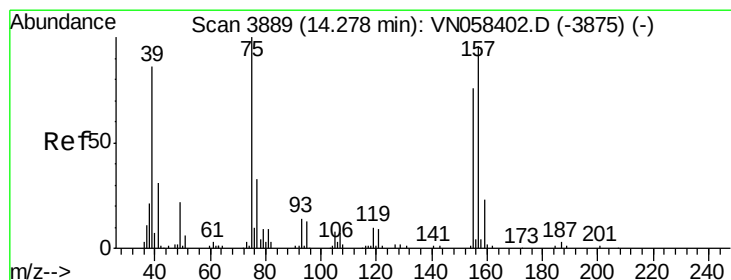
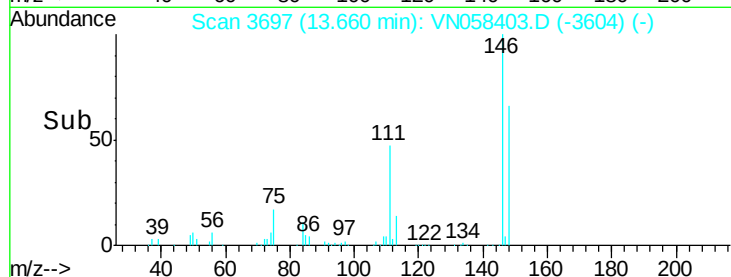
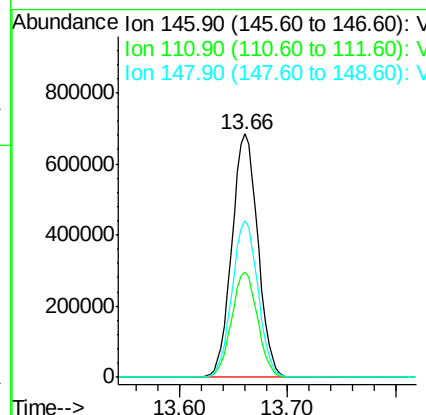
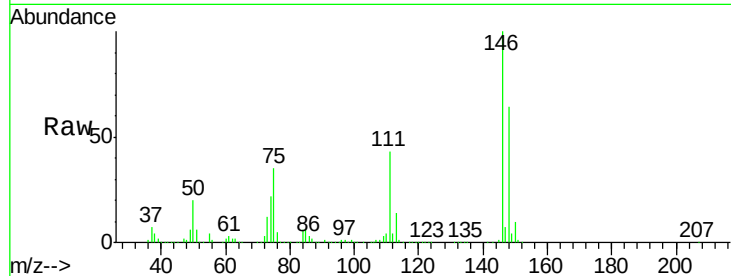
#91
 1,2-Dichlorobenzene
 Concen: 106.154 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.8	65.3
148	64.0	31.5	94.5

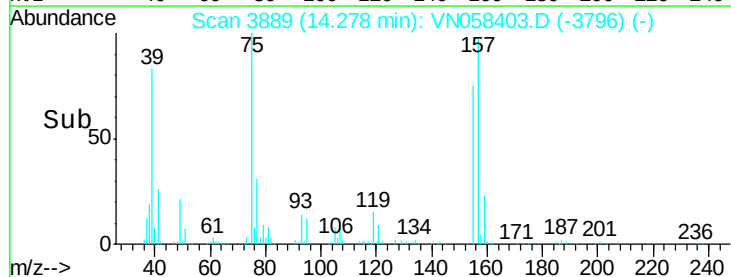
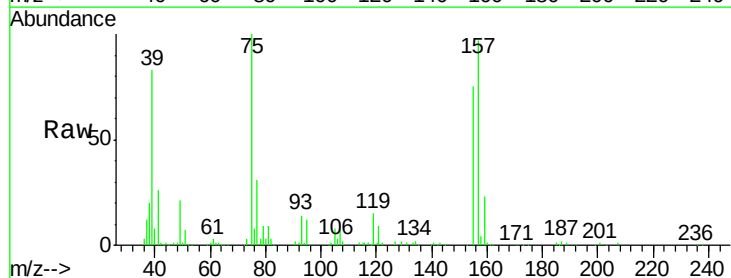
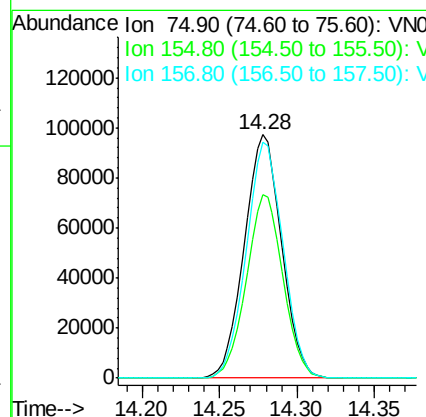
Manual Integrations
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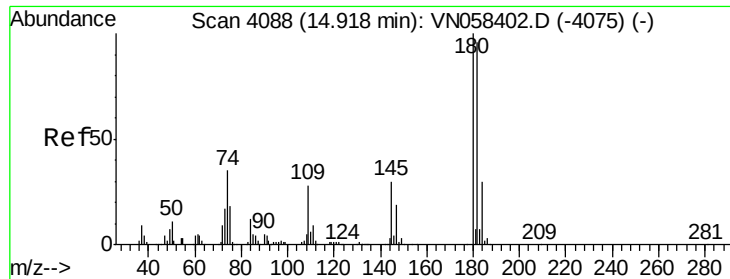
MMDadoda
 9/30/2019 10:18:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 116.181 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	39.2	117.6
157	95.7	48.7	146.1





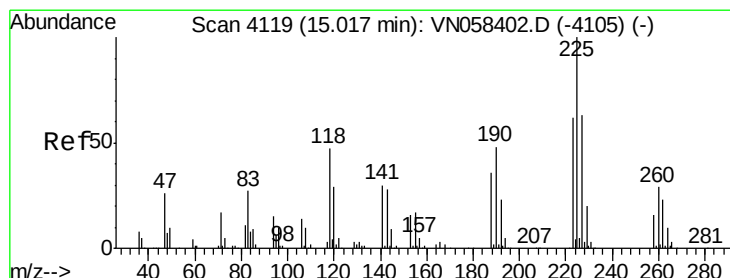
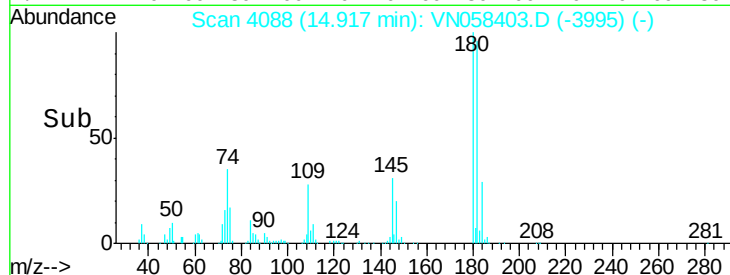
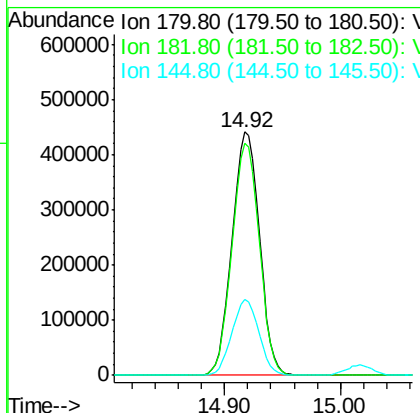
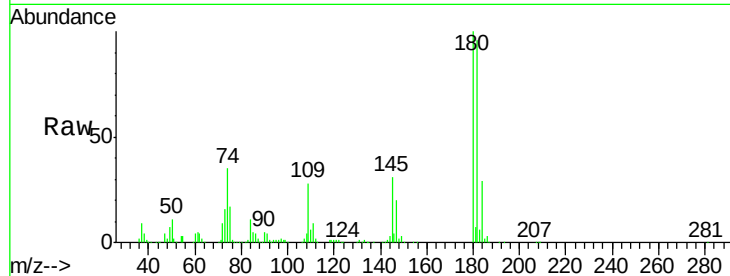
#93
 1,2,4-Trichlorobenzene
 Concen: 106.067 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	718697		
182	95.0	47.4	142.3	
145	30.6	15.3	45.9	

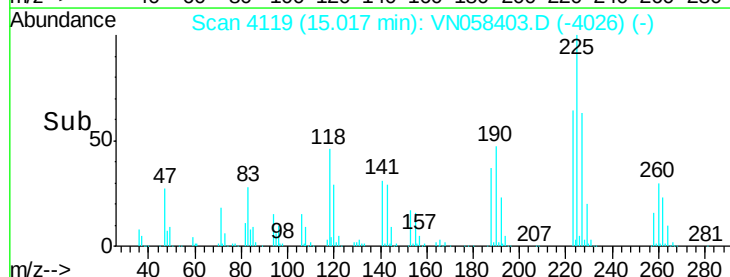
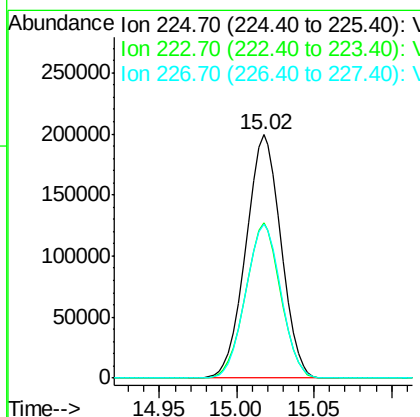
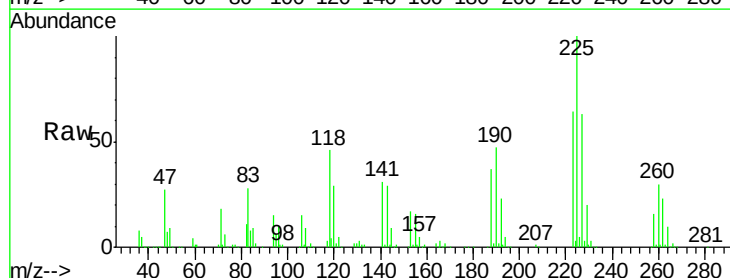
Manual Integrations
 APPROVED

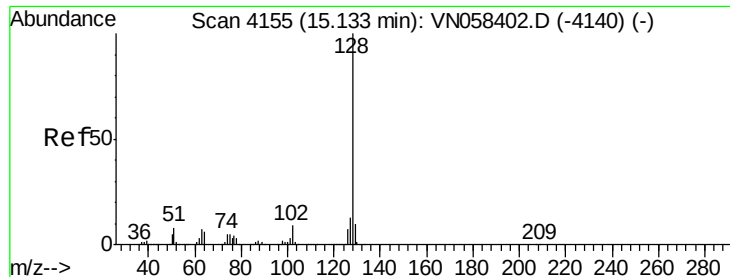
MMDadoda
 9/30/2019 10:18:40 AM



#94
 Hexachlorobutadiene
 Concen: 96.081 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058403.D
 Acq: 27 Sep 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	315221		
223	63.6	31.1	93.5	
227	63.5	31.4	94.2	





#95

Naphthalene

Concen: 112.165 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1965138

Ion Ratio Lower Upper

128 100

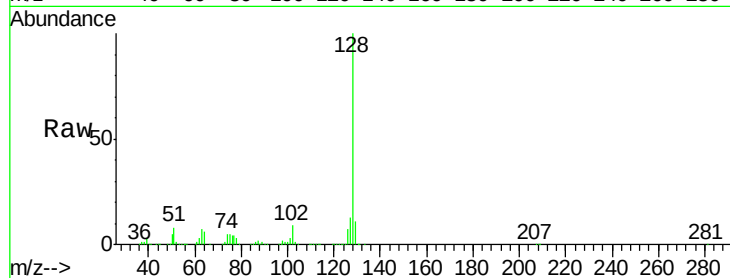
127 12.9 10.2 15.4

129 10.7 8.3 12.5

Manual Integrations
APPROVED

MMDadoda

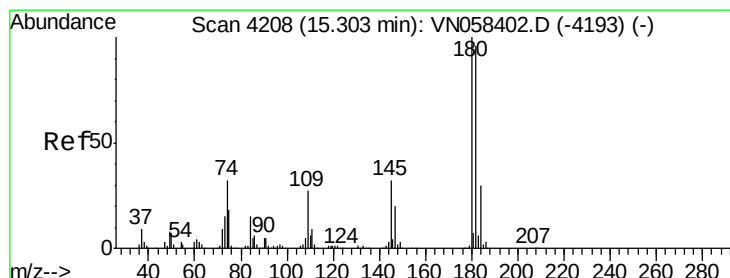
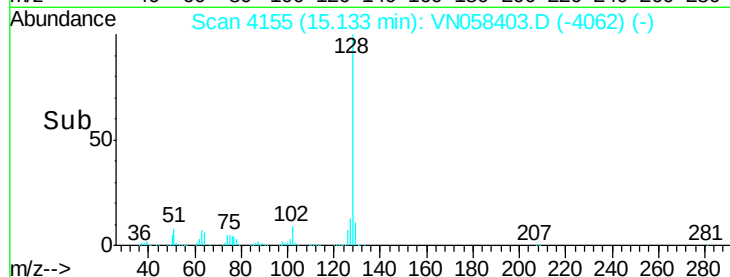
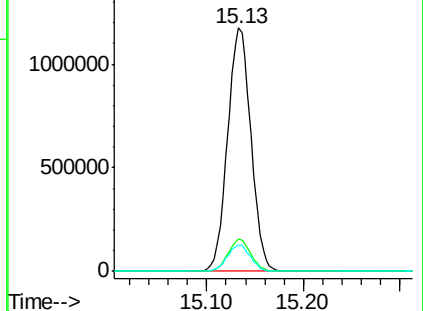
9/30/2019 10:18:40 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 105.184 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058403.D

Acq: 27 Sep 2019 12:39

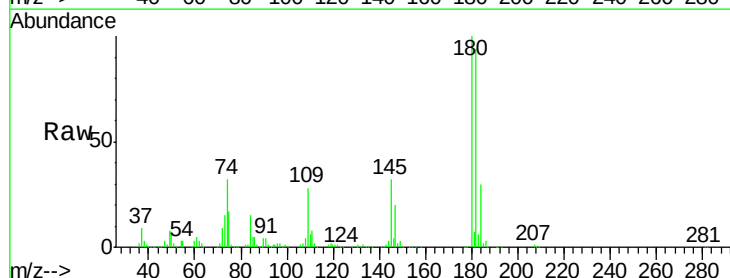
Tgt Ion:180 Resp: 669408

Ion Ratio Lower Upper

180 100

182 94.7 48.3 144.9

145 32.1 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

